

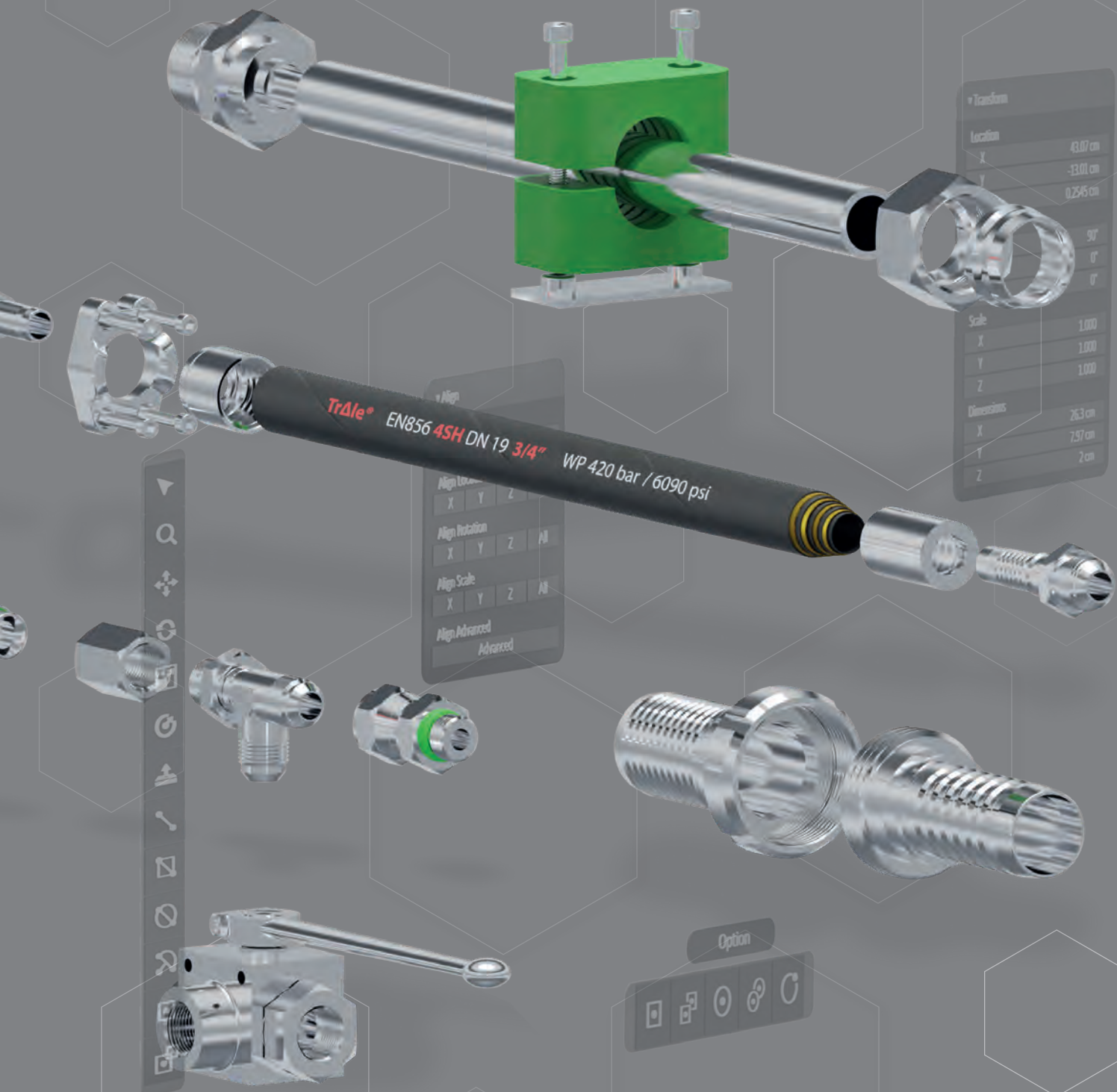
# DICSA

#HydraulicsExperts

## STAINLESS STEEL FITTINGS

Racores Inoxidables · *Edelstahl* · Raccords en Acier Inox

AISI 316L



# TrAle®

[www.dicsaes.com](http://www.dicsaes.com)

2025



**MUCHO MÁS QUE UNA PÁGINA WEB**  
**MORE THAN JUST A WEBSITE**



**www.dicsaes.com**

## CRIMP FITTINGS FOR HOSES

Conexiones para flexibles  
Armaturen für Schlauchleitungen  
Embouts à sertir pour flexibles



## TRALE® RIGID PIPE/ PIPE FITTINGS DIN 2353/ FLARE FITTINGS JIC 37°

Tubo rígido TRALE® / Racores DIN 2353 / Racores JIC 37°  
RohrTRALE® / Verschraubungen für Rohr DIN 2353/ JIC - Verbindungen  
Tube rigide TRALE® / Raccords DIN 2353/ Adapteurs JIC 37°



## SCH TRALE® RIGID PIPE/ SCH FITTINGS / SAE FLANGES / CLAMPS

Tubo rígido TRALE® SCH / Racores SCH / Bridas SAE / Abrazaderas  
Rohr SCHTRALE® / SCH Armaturen/ SAE-Flansche/ Schellen  
Tube rigide TRALE® SCH / Embouts SCH / Brides SAE/ Colliers



## ADAPTORS

Adaptadores  
Adapter  
Adapteurs



## WELDING FITTINGS

Racores soldables  
Schweißverschraubungen  
Raccords à souder



## INDUSTRIAL FITTINGS

Racores industriales  
Für den industriellen Einsatz  
Raccords industriels



## ACCESSORIES

Accesorios  
Zubehör  
Accessoires



## HYDRAULIC COMPONENTS AISI 316

Componentes hidráulicos AISI 316  
Hydraulische Komponenten  
Composants Hydrauliques AISI 316



## FLOW MEASURING

Metrología  
Messtechnik  
Test du circuit hydraulique



## TWIN FERRULE FITTINGS TRALE® LOK

Racor doble anillo TRALE® Lok  
Verschraubungen für Doppelklemmring TRALE® Lok  
Raccord double bague TRALE® Lok



## **Standard series 22**

Conexiones Standard  
Standardserie  
Embouts série standard

## **Fittings BW+ Series R13/R15 No Skive 42**

Conexiones Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

## **Interlock series 46**

Conexiones Interlock  
Armaturen Interlock  
Embouts Interlock

## **Ferrules for one piece fittings 51**

Casquillos para conexiones una sola pieza  
Pressfassungen für einteilige Armaturen  
Jupes pour embouts pré-sertis

## **One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17 52**

Conexiones una sola pieza Serie 43  
R1AT/R2AT/1SN/2SN/R16/2SC/R17  
Einteilige Armaturen Serie 43  
R1AT/R2AT/1SN/2SN/R16/2SC/R17  
Embouts pré-sertis  
R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## **One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive 60**

Conexiones una sola pieza Serie BWS  
3SP/4SP/R12/4SH No Pelar  
Einteilige Armaturen Serie BWS  
3SP/4SP/R12/4SH ohne Schälung  
Embouts pré-sertis Série BWS  
3SP/4SP/R12/4SH Sans dénuder

## **One piece fittings BW+ Series R13/R15 No Skive 67**

Conexiones una pieza Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

## **One piece fittings R7/R8 & Elastomer Braid of steel wire 70**

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica  
Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.  
Embouts pré-sertis R7/R8 et Elastomère tresse métallique

## **One piece fittings for Smooth PTFE/ R14 75**

Conexiones una sola pieza PTFE Liso / R14  
Einteilige Armaturen PTFE-Glattschlauch/ R14  
Embouts pré-sertis pour PTFE lisse/ R14

## **One piece fittings for convoluted PTFE 80**

Conexiones una sola pieza PTFE Corrugado  
Einteilige Armaturen PTFE-Wellschlauch  
Embouts pré-sertis pour PTFE convoluté

## **Reusable series 85**

Conexiones Reusables  
Schraubarmaturen  
Embouts série récupérable

## **Push-On Fittings 88**

Conexiones Push-On  
Aufsteck-Armaturen  
Embouts Push-On

## **High pressure 700 bar fittings 89**

Conexiones Alta Presión (700 bar)  
Armaturen Hochdruck (700bar)  
Embouts haute pression 700 bar





# 01

## **CRIMPING FITTINGS FOR HOSES**

Conexiones para Flexibles

Pressfassungen für Schlauchleitungen

Embouts à sertir pour flexibles

# STANDARD SERIES

Serie Standard

TrAle®

TrAle® GOLD

GREENLINE



|            |            |             |             |                                  |                              |                              |                    |                                  |
|------------|------------|-------------|-------------|----------------------------------|------------------------------|------------------------------|--------------------|----------------------------------|
|            |            |             |             |                                  |                              |                              |                    |                                  |
| SAE 100 R6 | EN 854 2TE | EN 854 3TE  | SAE 100 R17 | EN 857 2SC SUPERSERVICE 2SC 155° | EN 853 1SN SAE 100 R1AT 1SNK | EN 853 2SN SAE 100 R2AT 2SNK | EXCEED EN 857 2SCK | EN 857 2SC SUPERSERVICE 2SC 155° |
|            |            |             |             |                                  |                              |                              |                    |                                  |
| 81014      |            | ZPF22120... | ZSC2112...  | ZSC2112/ZPF22120                 |                              | ZPF22120...                  |                    |                                  |

|                       |                        |                    |            |                        |            |                   |                    |             |
|-----------------------|------------------------|--------------------|------------|------------------------|------------|-------------------|--------------------|-------------|
|                       |                        |                    |            |                        |            |                   |                    |             |
| EN 853 2ST SAE100 R2A | EN 856 4SP SAE 100 R9R | EN 856 R12 SAE 100 | 3SP        | EN 856 4SP SAE 100 R9R | EN 856 4SH | EN856 R12 SAE 100 | EN 856 R13 SAE 100 | SAE 100 R15 |
|                       |                        |                    |            |                        |            |                   |                    |             |
| ZPF12240...           |                        |                    | ZPF2224... |                        |            | 3/4"-1"           |                    |             |

|                   |                   |                  |                  |             |             |
|-------------------|-------------------|------------------|------------------|-------------|-------------|
|                   |                   |                  |                  |             |             |
| SAE 100 R7 EN 855 | SAE 100 R8 EN 855 | Metallic 1 braid | Metallic 2 braid | Ecology 200 | Ecology 250 |
|                   |                   |                  |                  |             |             |
| 81014...          |                   | 81014...         | ZPF1224          | Z2120...    |             |

|                         |                          |          |                         |                     |                          |                            |                            |
|-------------------------|--------------------------|----------|-------------------------|---------------------|--------------------------|----------------------------|----------------------------|
|                         |                          |          |                         |                     |                          |                            |                            |
| Smooth PTFE R14 1 braid | Convuluted PTFE Standard | PTFLEX   | Smooth PTFE R14 1 braid | Smooth PTFE 2 braid | Standard Convuluted PTFE | Fiberglass Convuluted PTFE | Antistatic Convuluted PTFE |
|                         |                          |          |                         |                     |                          |                            |                            |
| 88040...                | 88041...                 | 81041... | 81040...                | 81045...            | 81041...                 |                            |                            |

## BW+ SERIE NO SKIVE

BW+ Series no pelar



## INTERLOCK SERIES

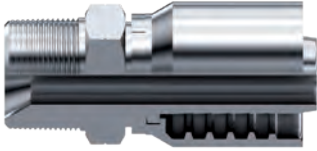
Serie Interlock



## ONE PIECE SERIES

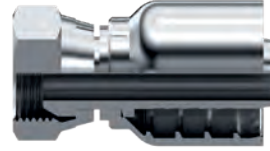
Serie Compacta  
Einteilige Armaturen  
Série Pré-sertis

- One piece fittings 1SC / 1SN / 2SC / R6 / 2TE  
Conexiones compactas 1SC / 1SN / 2SC / R6 / 2TE  
Einteilige Armaturen 1SC / 1SN / 2SC / R6 / 2TE  
Embouts pré-sertis 1SC / 1SN / 2SC / R6 / 2TE



|               |                                   |               |                         |               |
|---------------|-----------------------------------|---------------|-------------------------|---------------|
| EN 857<br>1SC | EN 853<br>1 SN<br>SAE 100<br>R1AT | EN 857<br>2SC | EN 854<br>SAE 100<br>R6 | EN 854<br>2TE |
|---------------|-----------------------------------|---------------|-------------------------|---------------|

- One piece fittings 43 Series R1AT / R2AT / 1SN / 2SN / R16 / 2SC / 3TE / R17  
Conexiones compactas Serie 43 R1AT / R2AT / 1SN / 2SN / R16 / 2SC / 3TE / R17  
Einteilige Armaturen Serie 43 R1AT / R2AT / 1SN / 2SN / R16 / 2SC / 3TE / R17  
Embouts pré-sertis R1AT / R2AT / 1SN / 2SN / R16 / 2SC / 3TE Série 43 / R17



|                              |                                   |                                 |                             |     |
|------------------------------|-----------------------------------|---------------------------------|-----------------------------|-----|
| EN 853<br>1SN<br>SAE 100R1AT | EN 853<br>2 SN<br>SAE 100<br>R2AT | EN 857<br>2SC<br>SAE 100<br>R16 | SUPERSERVICE<br>155°<br>2SC | 3TE |
|------------------------------|-----------------------------------|---------------------------------|-----------------------------|-----|

- One piece fittings Standar BWS Series NON SKIVE 3SP / 4SP / 4SH / R12  
Conexiones compactas Serie BWS NO PELAR 3SP / 4SP / 4SH / R12  
Einteilige Armaturen Serie BWS OHNE SCHÄLUNG 3SP / 4SP / 4SH / R12  
Embouts pré-sertis BWS SANS DÉNUDÉ 3SP / 4SP / 4SH / R12



NO PELAR  
NO SKIVE

|         |                                 |               |                          |                          |                |
|---------|---------------------------------|---------------|--------------------------|--------------------------|----------------|
| 3SP     | EN 856<br>4SP<br>SAE 100<br>R9R | EN 856<br>4SH | EN 856<br>R12<br>SAE 100 | EN 856<br>R13<br>SAE 100 | SAE 100<br>R15 |
| 3/4"-1" |                                 |               |                          |                          |                |

- One piece fittings BW+ Series NON SKIVE R13 / R15  
Conexiones compactas Serie BW+ NO PELAR R13 / R15  
Einteilige Armaturen Serie BW+ OHNE SCHÄLUNG R13 / R15  
Embouts pré-sertis BW+ SANS DÉNUDÉ R13 / R15



NO PELAR  
NO SKIVE

|                          |                |
|--------------------------|----------------|
| EN 856<br>SAE 100<br>R13 | SAE 100<br>R15 |
|--------------------------|----------------|

- Piece fittings R7 / R8 & braid of steel wire  
Conexiones compactas R7 / R8 y elastómero malla metálica  
Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.  
Embouts pré-sertis R7 / R8 et tresse métallique



|               |               |                                |
|---------------|---------------|--------------------------------|
| SAE 100<br>R7 | SAE 100<br>R8 | Metallic<br>braid<br>elastomer |
|---------------|---------------|--------------------------------|

- One piece fittings for smooth PTFE R14  
Conexiones compactas PTFE liso R14  
Einteilige Armaturen PTFE-Glattschlauch R14  
Embouts pré-sertis pour PTFE lisse R14



|                           |
|---------------------------|
| Smooth<br>PTFE<br>1 braid |
|---------------------------|

- One piece fittings for convoluted PTFE  
Conexiones compactas PTFE corrugado  
Einteilige Armaturen PTFE-Wellenschlauch  
Embouts pré-sertis pour PTFE convolute



Convoluted  
PTFE



## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Crimping ferrules ▪ Casquillos para prensar ▪ Pressfassungen ▪ Jupes à sertir

22



PIPE  
FITTINGS

PIPE  
FITTINGS II

### BSP Fittings ▪ Conexiones BSP ▪ Armaturen BSP ▪ Embouts BSP

25



ADAPTORS

### NPT-NPSM Fittings ▪ Conexiones NPT-NPSM ▪ Armaturen NPT-NPSM ▪ Embouts NPT-NPSM

29



WELDING  
FITTINGS

### JIC 37° Fittings ▪ Conexiones JIC 37° ▪ Armaturen DKJ ▪ Embouts JIC 37°

30



INDUSTRIAL  
FITTINGS

### Metric fittings ▪ Conexiones Métricas DIN 2353 ▪ Armaturen DKO ▪ Embouts Métriques

32



ACCESSORIES

### Standpipes ▪ Espigas lisas ▪ Stutzen glatt ▪ Embouts lisses

36



CONTROL  
COMPONENTS

### Other Fittings ▪ Conexiones Varias ▪ Verschiedene Armaturen ▪ Autres

37



FLOW  
MEASURING

### Hydrowashing machine couplings ▪ Terminales hidrolavadoras ▪ Armaturen für Waschgeräte ▪ Embouts pour hydro-nettoyage

37



TRALE LOK

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

PIPE  
FITTINGS

Banjos ▪ Orientables ▪ Ringaugen ▪ Embouts Banjo

| 38



84111

Z1090

84116

Z1092

PIPE  
FITTINGS II

SAE Flanges/Code 61 & 62 ▪ Bidas SAE ▪ SAE-Flansche ▪ Brides SAE

| 39



84182

84183

84184

84282

84283

84284

ADAPTORS

SAE Flanges for hoses ▪ Bidas para flexibles ▪ Flansche für Schlauch ▪ Brides SAE pour flexibles

| 40



ZBBP

ZBBE

ZTB

ZBCE

JBR

ORING

WELDING  
FITTINGS

ORFS Fittings ▪ Conexiones ORFS ▪ ORFS-Armaturen ▪ Embouts ORFS

| 41



84901

84912

84907

84908

O`Ring Boss Fittings ▪ Conexiones O`Ring Boss ▪ O`Ring Boss-Armaturen ▪ Embouts O`Ring Boss

| 41



84712

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRADE LOK

## Fittings BW+ Series R13/R15 No Skive

Conexiones Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

Ferrules for fittings BW/ BW+ series ▪ Casquillos para conexiones serie BW/ BW+ ▪ Pressfassungen für Armaturen Serie BW/ BW+ ▪ Jupes pour embouts série BW/ BW+

42



ZAC69010

BSP fittings ▪ Conexiones BSP ▪ Armaturen BSP ▪ Embouts BSP

42



Z66410



Z66117



Z66118



Z66112



Z66510



Z66517



Z66518

NPT/NPSM fittings ▪ Conexiones NPT/NPSM ▪ Armaturen NPT/NPSM ▪ Embouts NPT/NPSM

43



Z66461



Z66161

JIC 37° fittings ▪ Conexiones JIC 37° ▪ Armaturen JIC 37° ▪ Embouts JIC

43



Z66242



Z66138



Z66139



Z66141

ORFS fittings ▪ Conexiones ORFS ▪ Armaturen ORFS ▪ Embouts ORFS

44



Z66901



Z66907



Z66908



Z66912

Metric fittings ▪ Conexiones Métricas DIN 2353 ▪ Armaturen metr. DIN 2353 ▪ Embouts Métriques

44



Z66204



Z66205



Z66206



Z66203

SAE Flanges/ Code 61 & 62 ▪ Bidas SAE ▪ SAE-Flansche ▪ Brides SAE

45



Z66282



Z66283



Z66284

PIPE  
FITTINGSPIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGSINDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTSFLOW  
MEASURING

TRAFFIC LOK

## Interlock series

Conexiones Interlock

Armaturen Interlock

Embouts Interlock

PIPE  
FITTINGS

Interlock Crimping ferrules ▪ Casquillos Interlock ▪ Pressfassungen Interlock ▪ Jupes à sertir Interlock

| 46



ZA61010

Z61010

PIPE  
FITTINGS II

Interlock BSP & NPT fittings ▪ Conexiones BSP y NPT ▪ Armaturen Interlock BSP, NPT ▪ Embouts à sertir Interlock BSP et NPT

| 46



Z64107

Z64108

Z64112

Z64161

Z64500

Z64507

Z64508

ADAPTORS

Interlock JIC 37° fittings ▪ Conexiones JIC 37° ▪ Armaturen Interlock JIC 37° ▪ Embouts à sertir Interlock JIC

| 48



Z64242

Z64142

Z64140

Z64138

Z64139

WELDING  
FITTINGS

Interlock Metric fittings ▪ Conexiones Métricas DIN 2353 ▪ Armaturen Interlock metr. ▪ Embouts Métrique Interlock

| 49



Z64204

Z64205

Z64206

Z64203

INDUSTRIAL  
FITTINGS

Interlock ORFS fittings ▪ Conexiones ORFS ▪ Armaturen Interlock ORFS ▪ Embouts à sertir Interlock ORFS

| 49



Z64901

Z64912

Z64907

Z64908

ACCESSORIES

Interlock SAE Flanges/ Code 61 & 62 ▪ Bridas SAE ▪ SAE-Flansche ▪ Brides SAE Interlock

| 50



Z64182

Z64183

Z64184

Z64282

Z64283

Z64284

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRAILER LOK



## Ferrules for one piece fittings

Casquillos para conexiones una sola pieza  
Pressfassungen für einteilige Armaturen  
Jupes pour embouts pré-sertis

Ferrules for one piece fittings ▪ Casquillos para Conexiones una sola pieza ▪ Pressfassungen für einteilige Armaturen  
▪ Jupes pour embouts pré-sertis

51



ZPFC2212



ZPF2224



88012



88040



88041



ZSCC2112



ZAC69010

PIPE  
FITTINGS

PIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

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MEASURING

TRALE LOK

# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Embouts pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

One piece JIC 37° fittings ▪ Conexiones una sola pieza JIC 37° ▪ Einteilige Armaturen JIC 37° ▪ Embouts pré-sertis JIC 37° | 52



One piece ORFS fittings ▪ Conexiones una sola pieza ORFS ▪ Einteilige Armaturen ORFS ▪ Embouts pré-sertis ORFS | 54



One piece NPT-NPSM fittings ▪ Conexiones una sola pieza NPT-NPSM ▪ Einteilige Armaturen NPT-NPSM ▪ Embouts pré-sertis NPT-NPSM | 55



One piece SAE Flanges fittings ▪ Conexiones una sola pieza Bidas SAE ▪ Einteilige Armaturen SAE-Flansche ▪ Embouts pré-sertis Bidas SAE | 56



One piece Metric fittings ▪ Conexiones una sola pieza Métricas ▪ Einteilige Armaturen metr. ▪ Embouts pré-sertis Métriques | 57



One piece BSP fittings ▪ Conexiones una sola pieza BSP ▪ Einteilige Armaturen BSP ▪ Embouts pré-sertis BSP | 59



## One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar

Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung

Embouts pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

One piece JIC 37° fittings ▪ Conexiones una sola pieza JIC 37° ▪ Einteilige Armaturen JIC 37° ▪ Embouts pré-sertis JIC 37° | 60



Z58242

Z58138

Z58140

Z58142

Z58139

PIPE  
FITTINGS

One piece ORFS fittings ▪ Conexiones una sola pieza ORFS ▪ Einteilige Armaturen ORFS ▪ Embouts pré-sertis ORFS | 61



Z58901

Z58907

Z58912

Z58908

PIPE  
FITTINGS II

One piece NPT-NPSM fittings ▪ Conexiones una sola pieza NPT-NPSM ▪ Einteilige Armaturen NPT-NPSM ▪ Embouts pré-sertis NPT-NPSM | 62



Z58361

Z58262

Z58161

Z58261

Z58263

Z58165

ADAPTORS

One piece SAE Flanges fittings/ Code 61 & 62 ▪ Conexiones una sola pieza Bidas SAE ▪ Einteilige Armaturen SAE-Flansche ▪ Embouts pré-sertis Brides SAE | 63



Z58182

Z58183

Z58184

Z58282

Z58283

Z58284

WELDING  
FITTINGS

One piece Metric fittings ▪ Conexiones una sola pieza Métricas ▪ Einteilige Armaturen metr. ▪ Embouts pré-sertis Métriques | 64



Z58804

Z58305

Z58203

Z58306

INDUSTRIAL  
FITTINGS

One piece BSP fittings ▪ Conexiones una sola pieza BSP ▪ Einteilige Armaturen BSP ▪ Embouts pré-sertis BSP | 65



Z58400

Z58117

Z58112

Z58200

Z58118

Z58110

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# One piece fittings BW+ Series R13/R15 No Skive

Conexiones una pieza Serie BW+ R13/R15 No Pelar  
 Armaturen Serie BW+ R13/R15 ohne Schälung  
 Embouts R13/R15 Série BW+ Sans denuder

JIC 37° fittings ▪ Conexiones JIC 37° ▪ Armaturen JIC 37° ▪ Embouts JIC 37° | 67



ORFS fittings ▪ Conexiones ORFS ▪ Armaturen ORFS ▪ Embouts ORFS | 67



NPT/NPSM fittings ▪ Conexiones NPT/NPSM ▪ Armaturen NPT/NPSM ▪ Embouts NPT/NPSM | 68



SAE Flanges ▪ Bridas SAE ▪ SAE-Flansche ▪ Brides SAE | 68



BSP fittings ▪ Conexiones BSP ▪ Armaturen BSP ▪ Embouts BSP | 69



## One piece fittings R7/R8 & Elastomer Braid of steel wire

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica

Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.

Embouts pré-sertis R7/R8 et Elastomère tresse métallique

37° JIC One piece fittings R7/R8 ▪ Conexiones una sola pieza R7/R8 JIC 37° ▪ Einteilige Armaturen R7/R8 JIC 37° ▪ Embouts pré-sertis R7/R8 JIC 37°

70



PIPE  
FITTINGS

ORFS One piece fittings R7/R8 ▪ Conexiones una sola pieza R7/R8 ORFS ▪ Einteilige Armaturen R7/R8 ORFS ▪ Embouts pré-sertis R7/R8 ORFS

71



PIPE  
FITTINGS II

NPT-NPSM One piece fittings R7/R8 ▪ Conexiones una sola pieza R7/R8 NPT-NPSM ▪ Einteilige Armaturen R7/R8 NPT-NPSM ▪ Embouts pré-sertis R7/R8 NPT-NPSM

72



ADAPTORS

Metric One piece fittings R7/R8 ▪ Conexiones una sola pieza R7/R8 Métricas ▪ Einteilige Armaturen R7/R8 metr. ▪ Embouts pré-sertis R7/R8 Métriques

73



WELDING  
FITTINGS

BSP One piece fittings R7/R8 ▪ Conexiones una sola pieza R7/R8 BSP ▪ Einteilige Armaturen R7/R8 BSP ▪ Embouts pré-sertis R7/R8 BSP

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INDUSTRIAL  
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MEASURING

TRALE LOK



## One piece fittings for Smooth PTFE/ R14

Conexiones una sola pieza PTFE Liso / R14  
Einteilige Armaturen PTFE-Glattschlauch/ R14  
Embouts pré-sertis pour PTFE lisse/ R14

37° JIC One piece fittings smooth PTFE / R14 ▪ Conexiones una sola pieza PTFE liso / R14 JIC 37° ▪ Einteilige Armaturen PTFE-Glattschlauch / R14 JIC 37° ▪ Embouts pré-sertis PTFE lisse / R14 JIC 37°

75



86242

86138

86140

86142

86139

ORFS One piece fittings smooth PTFE / R14 ▪ Conexiones una sola pieza PTFE liso / R14 ORFS ▪ Einteilige Armaturen PTFE-Glattschlauch / R14 ORFS ▪ Embouts pré-sertis PTFE lisse / R14 ORFS

76



86900

86907

86912

86908

NPT-NPSM One piece fittings smooth PTFE / R14 ▪ Conexiones una sola pieza PTFE liso/ R14 NPT-NPSM ▪ Einteilige Armaturen PTFE-Glattschlauch / R14 NPT-NPSM ▪ Embouts pré-sertis PTFE lisse / R14 NPT-NPSM

77



86361

86262

86161

86261

86263

Metric One piece fittings smooth PTFE / R14 ▪ Conexiones una sola pieza PTFE liso / R14 Métricas ▪ Einteilige Armaturen PTFE-Glattschlauch / R14 metr. ▪ Embouts pré-sertis PTFE lisse / R14 Métriques

78



86804

86305

86203

86306

BSP One piece fittings smooth PTFE / R14 ▪ Conexiones una sola pieza PTFE liso / R14 BSP ▪ Einteilige Armaturen PTFE-Glattschlauch / R14 BSP ▪ Embouts pré-sertis PTFE lisse/ R14 BSP

79



86400

86107

86112

86100

86108

One piece fittings standpipe / R14 ▪ Conexiones una sola pieza PTFE liso / R14 Espiga Lisa ▪ Einteilige Armaturen PTFE-Glattschlauch / R14 Rohrstutzen RS ▪ Embouts pré-sertis PTFE lisse / R14 embout lisse

79



86159

## One piece fittings for convoluted PTFE

Conexiones una sola pieza PTFE Corrugado  
Einteilige Armaturen PTFE-Wellschlauch  
Embouts pré-sertis pour PTFE convoluté

One piece fittings for convoluted PTFE JIC 37° ▪ Conexiones una sola pieza PTFE Corrugado JIC 37° ▪ Einteilige Armaturen PTFE-Wellschlauch JIC 37° ▪ Embouts pré-sertis pour PTFE convoluté JIC 37°

80



85242

85138

85140

85142

85139

One piece fittings for convoluted PTFE ORFS ▪ Conexiones una sola pieza PTFE Corrugado ORFS ▪ Einteilige Armaturen PTFE-Wellschlauch ORFS ▪ Embouts pré-sertis pour PTFE convoluté ORFS

81



85900

85907

85912

85908

One piece fittings for convoluted PTFE NPT-NPSM ▪ Conexiones una sola pieza PTFE Corrugado NPT-NPSM ▪ Einteilige Armaturen PTFE-Wellschlauch NPT-NPSM ▪ Embouts pré-sertis pour PTFE convoluté NPT-NPSM

82



85361

85262

85161

85261

85263

One piece fittings for convoluted PTFE Metrical ▪ Conexiones una sola pieza PTFE Corrugado Métricas ▪ Einteilige Armaturen PTFE-Wellschlauch metr. ▪ Embouts pré-sertis pour PTFE convoluté Métriques

83



85804

85305

85203

85306

One piece fittings for convoluted PTFE BSP ▪ Conexiones una sola pieza PTFE Corrugado BSP ▪ Einteilige Armaturen PTFE-Wellschlauch BSP ▪ Embouts pré-sertis pour PTFE convoluté BSP

84



85400

85107

85112

85100

85108

PIPE  
FITTINGS

PIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRALE LOK

## Reusable series

Conexiones Reusables  
Schraubarmaturen  
Embouts série récupérable

PIPE  
FITTINGS

Reusable One Piece fittings ▪ Conexiones una sola pieza Reusables ▪ Einteilige Wiederverwendbare Armaturen ▪ Embouts série récupérable 1 pièce

85



Z3J...R2T

Z2NPT...R2T

PIPE  
FITTINGS II

Crimping ferrules ▪ Casquillos reusables ▪ Wiederverwendbare Pressfassungen ▪ Jupes à sertir

85



Z1G...R1T

Z1G...R2T

ADAPTORS

Reusable BSP ▪ Conexiones BSP ▪ Wiederverwendbare Armaturen BSP ▪ Récuperables BSP

85



Z3G

Z90G

Z2G

WELDING  
FITTINGS

Reusable JIC 37° ▪ Conexiones JIC 37° ▪ Wiederverwendbare Armaturen JIC 37 ▪ Récuperables JIC 37°

86



Z3J

Z2J

Z3J90

Z3J45

INDUSTRIAL  
FITTINGS

Reusable NPT ▪ Conexiones NPT ▪ Wiederverwendbare Armaturen NPT ▪ Récuperables NPT

86



Z2NPT

ACCESSORIES

Reusable Metric ▪ Conexiones Métricas ▪ Wiederverwendbare Metrischen Armaturen ▪ Récuperables Métriques

86



ZE

CONTROL  
COMPONENTS

Reusable R5 ▪ Conexiones R5 ▪ Wiederverwendbare Armaturen R5 ▪ Récuperables R5

87



Z3J...R5

Z3J90...R5

Z2P...R5

Z3J45...R5

FLOW  
MEASURING

TRADE LOK

## Push-On Fittings

Conexiones Push-On  
Aufsteck-Armaturen  
Embouts Push-On

Push-on BSP fittings ▪ Conexiones Push-On BSP ▪ Aufsteck-Armaturen BSP ▪ Embouts Push-on BSP

88



89100

89112

PIPE  
FITTINGS

Push-on 37° JIC fittings ▪ Conexiones Push-On JIC 37° ▪ Aufsteck-Armaturen JIC 37° ▪ Embouts Push-on JIC 37°

88



89142

89140

PIPE  
FITTINGS II

Push-on NPT fittings ▪ Conexiones Push-On NPT ▪ Aufsteck-Armaturen NPT ▪ Embouts Push-on NPT

88



89161

ADAPTORS

Push-on Metric fittings ▪ Conexiones Push-On Métricas ▪ Aufsteck-Armaturen metr. DIN 2383 ▪ Embouts Push-on Métriques

88



89804

89203

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRALE LOK

# High pressure 700 bar fittings

Conexiones Alta Presión (700 bar)  
Armaturen Hochdruck (700bar)  
Embouts haute pression 700 bar

Ferrules ▪ Casquillos para prensar ▪ Pressfassungen ▪ Jupes à sertir | 89



Z71012

BSP Fittings ▪ Conexiones BSP ▪ Armaturen BSP ▪ Embouts BSP | 89



Z74100

Z74112

NPSM - NPT Fittings ▪ Conexiones NPSM - NPT ▪ Armaturen NPSM - NPT ▪ Embouts NPSM - NPT | 89



Z74261

Z74161

JIC 37° Fittings ▪ Conexiones JIC 37° ▪ Armaturen JIC 37° ▪ Embouts JIC 37° | 89



Z74142

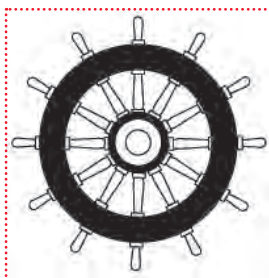
Z74140

Metric Fittings ▪ Conexiones Métricas ▪ Metr. Armaturen ▪ Embouts métriques | 89



Z74804

Z74203



Mangueras/Hoses:

**TrAle®** **TrAle® GOLD**

Mangueras/Hoses:



**CONEXIONES FABRICADAS POR  
FITTINGS MANUFACTURED BY**

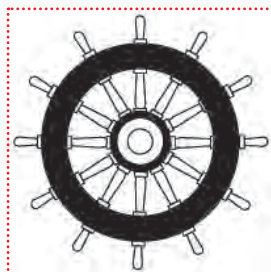
**DICSA**

CERTIFIED  
**ISO 9001**  
**ISO 14001**



**SUSTAINABLE  
DEVELOPMENT  
GOALS**

**ACIE**  
AGENCIA DE CERTIFICACIÓN  
EN INNOVACIÓN ESPAÑOLA





# Standard series

Conexiones Standard

Standardserie

Embouts série standard

## Ferrules R1AT/R2AT/1SN/2SN/R16/2SC/3TE

Casquillos R1AT/R2AT/ 1SN/2SN/ R16/2SC/3TE

Pressfassungen R1AT/R2AT/1SN/2SN/  
R16/2SC/3TE

Jupes R1AT/R2AT/1SN/2SN/R16/2SC/3TE



| DN               | Referencia<br>Part n° | €      |
|------------------|-----------------------|--------|
| 3/16"-R1AT       | 810200300*            | 16,30  |
| 3/16"-R2AT       | 810300300*            | 12,05  |
| 3/16" <b>NEW</b> | ZPF221200300          | 14,18  |
| 1/4"             | ZPF221200400          | 8,59   |
| 5/16"            | ZPF221200500          | 9,63   |
| 3/8"             | ZPF221200600          | 10,85  |
| 1/2"             | ZPF221200800          | 13,00  |
| 5/8"             | ZPF221201000          | 17,35  |
| 3/4"             | ZPF221201200          | 23,10  |
| 1"               | ZPF221201600          | 34,66  |
| 1"1/4            | ZPF221202000          | 62,30  |
| 1"1/2            | ZPF221202400          | 78,13  |
| 2"               | ZPF221203200          | 123,69 |
| 2"1/2            | ZPF221204000          | 157,09 |
| 3"               | ZPF221204800          | 289,83 |

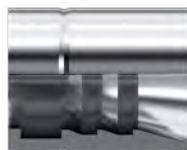
\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Ferrules R1A-1ST

Casquillos R1A-1ST

Pressfassungen R1A-1ST

Jupes R1A-1ST



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 3/16" | 820030300             | 10,55  |
| 1/4"  | 820030400             | 10,26  |
| 5/16" | 820030500             | 11,18  |
| 3/8"  | 820030600             | 13,90  |
| 1/2"  | 820030800             | 15,61  |
| 5/8"  | 820031000             | 19,51  |
| 3/4"  | 820031200             | 24,04  |
| 1"    | 820031600             | 35,09  |
| 1"1/4 | 820032000             | 62,09  |
| 1"1/2 | 820032400             | 83,92  |
| 2"    | 820033200             | 135,38 |

## Ferrules R4

Casquillos R4

Pressfassungen R4

Jupes R4



| DN   | Referencia<br>Part n° | €     |
|------|-----------------------|-------|
| 3/4" | ZPF221201200R4        | 25,23 |

For other sizes, please check out the crimping table on our website./ Para otras medidas, consultar tablas de prensado en nuestra web. / Für andere DN Größe, überprüfen Sie bitte die Pressmaaßtabelle auf unserer Webseite./ Pour les autres dimensions, voir tableau de sertissage disponible sur notre site web.

## Ferrules 1SC/1SN/2SC/R6/2TE/R17

Casquillos 1SC/1SN/2SC/R6/2TE/R17

Pressfassungen 1SC/1SN/2SC/R6/2TE/R17

Jupes 1SC/1SN/2SC/R6/2TE/R17



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | ZSC21120400           | 8,94  |
| 5/16" | ZSC21120500           | 11,32 |
| 3/8"  | ZSC21120600           | 10,86 |
| 1/2"  | ZSC21120800           | 13,72 |
| 5/8"  | ZSC21121000           | 16,91 |
| 3/4"  | ZSC21121200           | 29,35 |
| 1"    | ZSC21121600           | 35,60 |

## Ferrules R2A-2ST/4SP-R9R / R12

Casquillos R2A-2ST/4SP-R9R / R12

Pressfassungen R2A-2ST/4SP-R9R / R12

Jupes R2A-2ST/4SP-R9R / R12



| DN          | Referencia<br>Part n° | €      |
|-------------|-----------------------|--------|
| 3/16" - R2A | 820060300             | 10,16  |
| 1/4"        | ZPF122400400          | 10,49  |
| 5/16"       | ZPF122400500          | 10,75  |
| 3/8"        | ZPF122400600          | 12,46  |
| 1/2"        | ZPF122400800          | 13,33  |
| 5/8"        | ZPF122401000          | 19,53  |
| 3/4"        | ZPF122401200          | 21,27  |
| 1"          | ZPF122401600          | 35,09  |
| 1"1/4       | ZPF122402000          | 67,79  |
| 1"1/2       | ZPF122402400          | 80,28  |
| 2"          | ZPF122403200          | 124,16 |

## Ferrules 3SP/4SP/R12/4SH non skive

Casquillos 3SP/4SP/R12/4SH no pelar

Pressfassungen 3SP/4SP/R12/4SH ohne Schälung

Jupes 3SP/4SP/R12/4SH sans dénudage



| DN     | Referencia<br>Part n° | €      |
|--------|-----------------------|--------|
| 3/8"   | ZPF222400600          | 14,14  |
| 1/2"   | ZPF222400800          | 16,20  |
| 5/8"   | ZPF222401000          | 25,57  |
| 3/4"   | ZPF222401200          | 24,43  |
| 1"     | ZPF222401600          | 40,61  |
| 1" 1/4 | ZPF222402000          | 66,69  |
| 1" 1/2 | ZPF222402400          | 102,75 |
| 2"     | ZPF222403200          | 142,61 |

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Ferrules R7/R8 and metallic braid / R6

Casquillos R7/R8 y elastómero malla metálica / R6  
Pressfassungen R7/R8 und Elastomer/Metallumfl.  
/ R6

Jupes R7/R8 et tresse métallique / R6



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/8"  | 810140200             | 8,68  |
| 3/16" | 810140300             | 7,41  |
| 1/4"  | 810140400             | 8,14  |
| 5/16" | 810140500             | 8,92  |
| 3/8"  | 810140600             | 9,48  |
| 1/2"  | 810140800             | 11,71 |
| 5/8"  | 810141000             | 17,37 |
| 3/4"  | 810141200             | 16,69 |
| 1"    | 810141600             | 26,61 |

### Ferrules for Ecology hose and Sewer Jetting hose

Casquillos para mangueras Ecology y limpieza de alcantarillas  
Pressf. für Schlauchtyp ECOLOGY und Abflussreinigung

Jupes pour tuyau Ecology et tuyau Hydrocurage



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 3/4"  | Z212001200            | 31,75 |
| 1"    | Z212001600            | 52,51 |
| 1"1/4 | Z212002000            | 77,00 |

### Ferrules for smooth PTFE

Casquillos PTFE Liso

Pressfassungen für PTFE-Glattschläuche

Jupes PTFE lisse



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/8"  | 810400100             | 9,37  |
| 3/16" | 810400300             | 8,85  |
| 1/4"  | 810400400             | 6,42  |
| 5/16" | 810400500             | 7,29  |
| 3/8"  | 810400600             | 7,28  |
| 1/2"  | 810400800             | 9,38  |
| 5/8"  | 810401000             | 12,83 |
| 3/4"  | 810401200             | 14,43 |
| 1"    | 810401600             | 23,11 |

### Ferrules for convoluted PTFE

Casquillos PTFE Corrugado

Pressfassungen für PTFE-Wellschläuche mit Umfl.

Jupes PTFE convoluté



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1/4"  | 810410400             | 7,32   |
| 5/16" | 810410500             | 9,25   |
| 3/8"  | 810410600             | 9,20   |
| 1/2"  | 810410800             | 10,95  |
| 5/8"  | 810411000             | 16,03  |
| 3/4"  | 810411201             | 17,91  |
| 1"    | 810411600             | 26,91  |
| 1"1/4 | 810412000             | 42,10  |
| 1"1/2 | 810412400             | 56,85  |
| 2"    | 810413200             | 90,31  |
| 2"1/2 | 810414000             | 147,65 |

### Ferrules for double braid smooth PTFE

Casquillos PTFE Liso doble malla

Pressfassungen für PTFE-Glattschläuche  
Doppelgeflecht

Jupes PTFE lisse double tresse



| DN   | Referencia<br>Part n° | €     |
|------|-----------------------|-------|
| 1/4" | 810450400             | 10,47 |
| 3/8" | 810450600             | 15,53 |

For other sizes, please check out the crimping table on our website. / Para otros tamaños, consultar tabla de prensado en nuestra web. / Für andere DN Größe, überprüfen Sie bitte die Pressmaßstabelle auf unserer Webseite. / Pour les autres dimensions, voir tableau de sertissage disponible sur notre site web.

# Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

## Ferrules for smooth PTFE, smooth profile

Casquillos PTFE Liso, perfil liso

Pressfassungen für PTFE-Glattschläuche. glattes Profil

Jupes PTFE lisse,profil lisse



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | 880400400             | 5,75  |
| 5/16" | 880400500             | 7,20  |
| 3/8"  | 880400600             | 6,78  |
| 1/2"  | 880400800             | 8,29  |
| 5/8"  | 880401000             | 17,31 |

## Ferrules for convoluted PTFE, smoth profilie

Casquillos PTFE Corrugado, perfil liso

Pressfassungen für PTFE-Wellschläuche, glattes Profil

Jupes PTFE convoluté, profil lisse



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | 880410400             | 6,55  |
| 5/16" | 880410500             | 7,40  |
| 3/8"  | 880410600             | 7,00  |
| 1/2"  | 880410800             | 9,24  |
| 5/8"  | 880411000             | 13,57 |
| 3/4"  | 880411200             | 15,94 |

## CASQUILLOS PERFIL LISO FERRULES WITH SMOOTH PROFILE

- ➡ FÁCIL MONTAJE
- ➡ EASY ASSEMBLY

- ➡ VALIDO PARA CONEXIONES DE 1 Y 2 PIEZAS
- ➡ SUITABLE FOR 1 & 2 PIECE FITTINGS



## Standard series

Conexiones Standard  
Standardserie  
Emboutis série standard

### BSP Swivel female 60° cone

Hembras giratorias rectas rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter DKR

Femelle gaz cylindrique BSP 60°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3.2 mm | 1/8" BSP        | 841000201             | 16,91  |
| 1/8"   | 1/8" BSP        | 841000202             | 16,16  |
| 3/16"  | 1/8" BSP        | 841000203             | 14,28  |
| 1/4"   | 1/8" BSP        | 841000204             | 13,97  |
| 3/16"  | 1/4" BSP        | 841000403             | 14,30  |
| 1/4"   | 1/4" BSP        | 841000404             | 10,35  |
| 5/16"  | 1/4" BSP        | 841000405             | 13,46  |
| 3/8"   | 1/4" BSP        | 841000406             | 15,51  |
| 1/4"   | 3/8" BSP        | 841000604             | 14,59  |
| 5/16"  | 3/8" BSP        | 841000605             | 14,08  |
| 3/8"   | 3/8" BSP        | 841000606             | 12,47  |
| 1/2"   | 3/8" BSP        | 841000608             | 15,13  |
| 1/4"   | 1/2" BSP        | NEW 841000804         | 20,00  |
| 3/8"   | 1/2" BSP        | 841000806             | 16,67  |
| 1/2"   | 1/2" BSP        | 841000808             | 15,37  |
| 5/8"   | 1/2" BSP        | 841000810             | 23,42  |
| 1/2"   | 5/8" BSP        | 841001008             | 28,69  |
| 5/8"   | 5/8" BSP        | 841001010             | 32,05  |
| 1/2"   | 3/4" BSP        | 841001208             | 27,92  |
| 5/8"   | 3/4" BSP        | 841001210             | 25,61  |
| 3/4"   | 3/4" BSP        | 841001212             | 24,96  |
| 5/8"   | 1" BSP          | 841001610             | 50,11  |
| 3/4"   | 1" BSP          | 841001612             | 41,36  |
| 1"     | 1" BSP          | 841001616             | 39,90  |
| 1"     | 1 1/4" BSP      | 841002016             | 67,88  |
| 1 1/4" | 1 1/4" BSP      | 841002020             | 69,87  |
| 1 1/4" | 1 1/2" BSP      | 841002420             | 108,47 |
| 1 1/2" | 1 1/2" BSP      | 841002424             | 83,30  |
| 1 1/2" | 2" BSP          | 841003224             | 171,23 |
| 2"     | 2" BSP          | 841003232             | 154,31 |
| 2"     | 2 1/2" BSP      | 841004032             | 392,21 |
| 2 1/2" | 2 1/2" BSP      | 841004040             | 386,96 |
| 3"     | 3" BSP          | 841004848             | 433,97 |

### BSP Swivel female 60° cone with o-ring

Hembras giratorias rectas rosca BSP cono 60° con junta tórica

Dichtkopf mit BSP Ü-Mutter DKR mit O-Ring

Femelle gaz cylindrique BSP 60° avec o-ring



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/4" BSP        | 841100404             | 14,87  |
| 3/8"   | 3/8" BSP        | 841100606             | 15,47  |
| 3/8"   | 1/2" BSP        | 841100806             | 22,16  |
| 1/2"   | 1/2" BSP        | 841100808             | 17,86  |
| 5/8"   | 1/2" BSP        | 841100810             | 31,10  |
| 1/2"   | 3/4" BSP        | 841101208             | 30,88  |
| 5/8"   | 3/4" BSP        | 841101210             | 35,57  |
| 3/4"   | 3/4" BSP        | 841101212             | 25,30  |
| 1"     | 1" BSP          | 841101616             | 46,79  |
| 1 1/4" | 1 1/4" BSP      | 841102020             | 80,43  |
| 1 1/2" | 1 1/2" BSP      | 841102424             | 97,35  |
| 2"     | 2" BSP          | 841103232             | 205,54 |

### BSP Swivel female flat seat

Hembras giratorias rectas rosca BSP asiento plano

Dichtkopf mit BSP Ü-Mutter flachdichtend DKR-FLD

Femelle fond plat BSP



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/4" BSP        | 842000404             | 12,19  |
| 1/4"   | 3/8" BSP        | 842000604             | 18,32  |
| 5/16"  | 3/8" BSP        | 842000605             | 16,81  |
| 3/8"   | 3/8" BSP        | 842000606             | 13,94  |
| 1/2"   | 3/8" BSP        | 842000608             | 20,04  |
| 1/4"   | 1/2" BSP        | 842000804             | 25,70  |
| 3/8"   | 1/2" BSP        | 842000806             | 18,96  |
| 1/2"   | 1/2" BSP        | 842000808             | 17,91  |
| 1/2"   | 3/4" BSP        | 842001208             | 31,23  |
| 5/8"   | 3/4" BSP        | 842001210             | 28,05  |
| 3/4"   | 3/4" BSP        | 842001212             | 27,02  |
| 5/8"   | 1" BSP          | 842001610             | 46,51  |
| 3/4"   | 1" BSP          | 842001612             | 47,15  |
| 1"     | 1" BSP          | 842001616             | 44,18  |
| 1"     | 1 1/4" BSP      | 842002016             | 73,02  |
| 1 1/4" | 1 1/4" BSP      | 842002020             | 67,84  |
| 1 1/2" | 1 1/2" BSP      | 842002424             | 89,54  |
| 2"     | 2" BSP          | 842003232             | 166,88 |

### Double hexagonal BSP Swivel female cone 60°

Hembras giratorias recta rosca BSP cono 60° doble hexagonal

Dichtkopf mit BSP Ü-Mutter DKR doppelt 6 kt

Femelle BSP cône 60° double hexagonal



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/4" BSP        | 844000404             | 20,01  |
| 5/16"  | 3/8" BSP        | 844000605             | 23,58  |
| 3/8"   | 3/8" BSP        | 844000606             | 22,12  |
| 1/2"   | 1/2" BSP        | 844000808             | 22,77  |
| 3/4"   | 3/4" BSP        | 844001212             | 43,84  |
| 1"     | 1" BSP          | 844001616             | 59,03  |
| 1 1/4" | 1 1/4" BSP      | 844002020             | 88,26  |
| 1 1/2" | 1 1/2" BSP      | 844002424             | 138,00 |
| 2"     | 2" BSP          | 844003232             | 247,43 |

# Standard series

Conexiones Standard

Standardserie

Embouts série standard

## BSP Swivel female 60° cone (90° Elbow)

Hembras giratorias 90° rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter 60° DKR 90°

Coude 90° femelle gaz cyl. BSP 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/16" | 1/8" BSP        | 841070203*            | 32,69  |
| 1/4"  | 1/8" BSP        | 841070204             | 25,64  |
| 3/16" | 1/4" BSP        | 841070403             | 23,55  |
| 1/4"  | 1/4" BSP        | 841070404             | 18,02  |
| 5/16" | 1/4" BSP        | 841070405*            | 37,00  |
| 3/8"  | 1/4" BSP        | 841070406             | 27,99  |
| 1/4"  | 3/8" BSP        | 841070604             | 25,74  |
| 5/16" | 3/8" BSP        | 841070605             | 26,24  |
| 3/8"  | 3/8" BSP        | 841070606             | 21,01  |
| 1/2"  | 3/8" BSP        | 841070608             | 47,69  |
| 1/4"  | 1/2" BSP        | 841070804             | 40,01  |
| 3/8"  | 1/2" BSP        | 841070806             | 34,17  |
| 1/2"  | 1/2" BSP        | 841070808             | 25,87  |
| 5/8"  | 5/8" BSP        | 841071010             | 55,49  |
| 1/2"  | 3/4" BSP        | 841071208             | 46,26  |
| 5/8"  | 3/4" BSP        | 841071210             | 50,61  |
| 3/4"  | 3/4" BSP        | 841071212             | 48,34  |
| 3/4"  | 1" BSP          | 841071612             | 71,31  |
| 1"    | 1" BSP          | 841071616             | 75,67  |
| 1"    | 1" 1/4 BSP      | 841072016             | 170,33 |
| 1"1/4 | 1"1/4 BSP       | 841072020             | 129,61 |
| 1"1/2 | 1"1/2 BSP       | 841072424             | 197,90 |
| 2"    | 2" BSP          | 841073232             | 368,03 |

\*Welded piece / \*Pieza soldada / \*Geschweißte stück / \*Pièce soudée

## BSP Swivel female flat seat (90° Elbow)

Hembras giratorias 90° rosca BSP asiento plano

Dichtkopf mit BSP Ü-Mutter 90° Bogen  
flachdichtend DKR-FLD

Coude 90° femelle fond plat BSP



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 842070404             | 24,58  |
| 5/16" | 3/8" BSP        | 842070605             | 29,68  |
| 3/8"  | 3/8" BSP        | 842070606             | 27,31  |
| 1/2"  | 1/2" BSP        | 842070808             | 32,70  |
| 3/4"  | 3/4" BSP        | 842071212             | 52,26  |
| 3/4"  | 1" BSP          | 842071612             | 79,51  |
| 1"    | 1" BSP          | 842071616             | 81,39  |
| 1"1/4 | 1"1/4 BSP       | 842072020             | 154,65 |
| 1"1/2 | 1"1/2 BSP       | 842072424             | 200,10 |
| 2"    | 2" BSP          | 842073232             | 479,54 |

## BSP Swivel female 60° cone (45° Elbow)

Hembras giratorias 45° rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter 60° DKR kon. 45°

Coude 45° femelle gaz cyl. BSP 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/16" | 1/4" BSP        | 841080403             | 23,55  |
| 1/4"  | 1/4" BSP        | 841080404             | 18,02  |
| 1/4"  | 3/8" BSP        | 841080604             | 25,74  |
| 5/16" | 3/8" BSP        | 841080605             | 26,24  |
| 3/8"  | 3/8" BSP        | 841080606             | 21,01  |
| 1/4"  | 1/2" BSP        | 841080804             | 40,01  |
| 3/8"  | 1/2" BSP        | 841080806             | 34,17  |
| 1/2"  | 1/2" BSP        | 841080808             | 25,87  |
| 5/8"  | 5/8" BSP        | 841081010             | 55,49  |
| 1/2"  | 3/4" BSP        | 841081208             | 46,26  |
| 5/8"  | 3/4" BSP        | 841081210             | 50,62  |
| 3/4"  | 3/4" BSP        | 841081212             | 48,34  |
| 3/4"  | 1" BSP          | 841081612             | 71,31  |
| 1"    | 1" BSP          | 841081616             | 75,67  |
| 1"    | 1"1/4 BSP       | 841082016             | 170,33 |
| 1"1/4 | 1"1/4 BSP       | 841082020             | 129,61 |
| 1"1/2 | 1"1/2 BSP       | 841082424             | 197,90 |
| 2"    | 2" BSP          | 841083232             | 368,03 |

## BSP Swivel female flat seat (45° Elbow)

Hembras giratorias 45° rosca BSP asiento plano

Dichtkopf mit BSP Ü-Mutter 45° flachdichtend  
DKR-FLD

Coude 45° femelle fond plat BSP



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 842080404             | 24,59  |
| 5/16" | 3/8" BSP        | 842080605             | 29,68  |
| 3/8"  | 3/8" BSP        | 842080606             | 27,31  |
| 3/8"  | 1/2" BSP        | 842080806             | 36,78  |
| 1/2"  | 1/2" BSP        | 842080808             | 32,69  |
| 3/4"  | 3/4" BSP        | 842081212             | 52,26  |
| 3/4"  | 1" BSP          | 842081612             | 79,51  |
| 1"    | 1" BSP          | 842081616             | 81,39  |
| 1"1/4 | 1"1/4 BSP       | 842082020             | 154,66 |
| 1"1/2 | 1"1/2 BSP       | 842082424             | 200,10 |
| 2"    | 2" BSP          | 842083232             | 479,54 |

## BSP swivel female 60° (90° Compact Elbow)

Hembras giratorias 90° compactas rosca BSP cono  
60°

Dichtkopf BSP 60° kon. DKR einteilig 90°

Coude femelle 90° compact BSP cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 1/4" BSP        | 841270404             | 41,78  |
| 3/8" | 3/8" BSP        | 841270606             | 43,67  |
| 1/2" | 1/2" BSP        | 841270808             | 61,22  |
| 3/4" | 3/4" BSP        | 841271212             | 87,56  |
| 1"   | 1" BSP          | 841271616             | 134,85 |

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### BSP Swivel female 60° cone with o-ring (90° Elbow)

Hembras giratorias 90° rosca BSP cono 60° con junta tórica

Dichtkopf mit BSP Ü-Mutter 60° kon. 90° mit Dichtung DKR

Coude 90° femelle gaz cyl. BSP 60° avec o-ring



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/4" BSP        | 841170404             | 25,53  |
| 3/8"   | 3/8" BSP        | 841170606             | 29,90  |
| 3/8"   | 1/2" BSP        | 841170806             | 39,15  |
| 1/2"   | 1/2" BSP        | 841170808             | 34,00  |
| 1/2"   | 3/4" BSP        | 841171208             | 59,71  |
| 5/8"   | 3/4" BSP        | 841171210             | 54,42  |
| 3/4"   | 3/4" BSP        | 841171212             | 51,38  |
| 1"     | 1" BSP          | 841171616             | 87,65  |
| 1 1/4" | 1 1/4" BSP      | 841172020             | 163,45 |
| 1 1/2" | 1 1/2" BSP      | 841172424             | 225,55 |
| 2"     | 2" BSP          | 841173232             | 448,49 |

### BSP Swivel female 60° cone with o-ring (45° Elbow)

Hembras giratorias 45° rosca BSP cono 60° con junta tórica

Dichtkopf mit BSP Ü-Mutter 60° mit O'Ring 45° DKR kon.

Coude 45° femelle gaz cyl. BSP 60° avec o-ring



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/4" BSP        | 841180404             | 25,53  |
| 3/8"   | 3/8" BSP        | 841180606             | 29,90  |
| 3/8"   | 1/2" BSP        | 841180806             | 39,15  |
| 1/2"   | 1/2" BSP        | 841180808             | 33,99  |
| 1/2"   | 3/4" BSP        | 841181208             | 59,71  |
| 5/8"   | 3/4" BSP        | 841181210             | 54,42  |
| 3/4"   | 3/4" BSP        | 841181212             | 51,38  |
| 1"     | 1" BSP          | 841181616             | 87,65  |
| 1 1/4" | 1 1/4" BSP      | 841182020             | 163,45 |
| 1 1/2" | 1 1/2" BSP      | 841182424             | 225,55 |
| 2"     | 2" BSP          | 841183232             | 448,49 |

### O'ring for swivel female BSP FKM green

Juntas para hembra giratoria BSP FKM verde

Dichtungen FKM grün für DKR

Joint torique pour femelle tournante BSP FKM vert



| ROSCA<br>THREAD | TAMAÑO<br>SIZE | Referencia<br>Part n° | €    |
|-----------------|----------------|-----------------------|------|
| 1/4" BSP        | 6X1            | JTVBSP04              | 0,18 |
| 3/8" BSP        | 8.1X1.6        | JTVBSP06              | 0,19 |
| 1/2" BSP        | 12.1X1.6       | JTVBSP08              | 0,20 |
| 5/8" BSP        | 13.1X1.6       | JTVBSP10              | 0,20 |
| 3/4" BSP        | 17.1X1.6       | JTVBSP12              | 0,23 |
| 1" BSP          | 22.1X1.6       | JTVBSP16              | 0,32 |
| 1 1/4" BSP      | 29.1X1.6       | JTVBSP20              | 0,47 |
| 1 1/2" BSP      | 35.1X1.6       | JTVBSP24              | 0,62 |
| 2" BSP          | 47.35X1.78     | JTVBSP32              | 0,89 |



# Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

## BSP Male flat seat

Machos rosca cilíndrica BSP asiento plano

BSP Außengewinde flachdichtend AGR FLACH

Mâle BSP fond plat



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 1/4" BSP        | 842120403             | 20,83  |
| 1/4"   | 1/4" BSP        | 842120404             | 15,68  |
| 5/16"  | 3/8" BSP        | 842120605             | 21,69  |
| 3/8"   | 3/8" BSP        | 842120606             | 18,56  |
| 1/2"   | 3/8" BSP        | 842120608             | 24,98  |
| 3/8"   | 1/2" BSP        | 842120806             | 25,96  |
| 1/2"   | 1/2" BSP        | 842120808             | 20,38  |
| 5/8"   | 5/8" BSP        | 842121010             | 39,62  |
| 3/4"   | 3/4" BSP        | 842121212             | 28,77  |
| 3/4"   | 1" BSP          | 842121612             | 68,85  |
| 1"     | 1" BSP          | 842121616             | 57,94  |
| 1"     | 1" 1/4 BSP      | 842122016             | 122,08 |
| 1" 1/4 | 1" 1/4 BSP      | 842122020             | 117,32 |
| 1" 1/2 | 1" 1/2 BSP      | 842122424             | 161,75 |
| 2"     | 2" BSP          | 842123232             | 195,78 |

## BSP Male-parallel 60° cone

Machos rosca cilíndrica BSP cono 60°

Außengewinde BSP NORM AGR

Mâle BSP cône 60°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 1/8" BSP        | 841120203             | 24,34  |
| 1/4"   | 1/8" BSP        | 841120204             | 19,56  |
| 3/16"  | 1/4" BSP        | 841120403             | 21,86  |
| 1/4"   | 1/4" BSP        | 841120404             | 12,79  |
| 5/16"  | 1/4" BSP        | 841120405             | 21,68  |
| 3/8"   | 1/4" BSP        | 841120406             | 20,88  |
| 1/4"   | 3/8" BSP        | 841120604             | 23,30  |
| 5/16"  | 3/8" BSP        | 841120605             | 21,64  |
| 3/8"   | 3/8" BSP        | 841120606             | 14,46  |
| 1/2"   | 3/8" BSP        | 841120608             | 19,62  |
| 3/8"   | 1/2" BSP        | 841120806             | 21,31  |
| 1/2"   | 1/2" BSP        | 841120808             | 19,46  |
| 5/8"   | 5/8" BSP        | 841121010             | 37,92  |
| 5/8"   | 3/4" BSP        | 841121210             | 38,44  |
| 3/4"   | 3/4" BSP        | 841121212             | 28,56  |
| 1"     | 3/4" BSP        | NEW 841121216         | 39,24  |
| 3/4"   | 1" BSP          | 841121612             | 56,70  |
| 1"     | 1" BSP          | 841121616             | 55,94  |
| 1"     | 1" 1/4 BSP      | 841122016             | 100,97 |
| 1" 1/4 | 1" 1/4 BSP      | 841122020             | 97,01  |
| 1" 1/4 | 1" 1/2 BSP      | 841122420             | 144,51 |
| 1" 1/2 | 1" 1/2 BSP      | 841122424             | 113,28 |
| 2"     | 1" 1/2 BSP      | 841122432             | 183,13 |
| 2"     | 2" BSP          | 841123232             | 192,69 |
| 2" 1/2 | 2" 1/2 BSP      | 841124040             | 388,47 |

## Male BSPT tapered

Macho rosca cónica BSPT cono 60°

Außengewinde BSPT Kegelig

Mâle gaz conique BSPT 60°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/4" BSPT       | 841140404             | 12,33  |
| 5/16"  | 1/4" BSPT       | 841140405             | 18,87  |
| 3/8"   | 1/4" BSPT       | 841140406             | 17,14  |
| 1/4"   | 3/8" BSPT       | 841140604             | 21,66  |
| 5/16"  | 3/8" BSPT       | 841140605             | 19,36  |
| 3/8"   | 3/8" BSPT       | 841140606             | 13,48  |
| 1/2"   | 3/8" BSPT       | 841140608             | 19,28  |
| 3/8"   | 1/2" BSPT       | 841140806             | 26,26  |
| 1/2"   | 1/2" BSPT       | 841140808             | 15,83  |
| 5/8"   | 1/2" BSPT       | 841140810             | 26,57  |
| 3/4"   | 1/2" BSPT       | 841140812             | 36,44  |
| 1/2"   | 3/4" BSPT       | 841141208             | 38,70  |
| 5/8"   | 3/4" BSPT       | 841141210             | 31,53  |
| 3/4"   | 3/4" BSPT       | 841141212             | 26,53  |
| 3/4"   | 1" BSPT         | 841141612             | 52,20  |
| 1"     | 1" BSPT         | 841141616             | 46,09  |
| 1"     | 1" 1/4 BSPT     | 841142016             | 92,35  |
| 1" 1/4 | 1" 1/4 BSPT     | 841142020             | 82,68  |
| 1" 1/4 | 1" 1/2 BSPT     | 841142420             | 103,09 |
| 1" 1/2 | 1" 1/2 BSPT     | 841142424             | 102,03 |
| 2"     | 2" BSPT         | 841143232             | 171,08 |

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Double hexagonal NPSM Swivel female cone 60°

Hembras giratorias rectas rosca NPSM cono 60°  
doble hexagonal

Dichtkopf mit Ü-Muttern NPSM kon. 60° doppelt  
6 kt

Femelle NPSM cône 60° double hexagonal



| DN   | ROSCA<br>THREAD   | Referencia<br>Part n° | €     |
|------|-------------------|-----------------------|-------|
| 1/4" | 1/4" 18h NPSM     | 843610404             | 25,05 |
| 3/8" | 3/8" 18h NPSM     | 843610606             | 25,77 |
| 1/2" | 1/2" 14h NPSM     | 843610808             | 30,51 |
| 3/4" | 3/4" 14h NPSM     | 843611212             | 45,07 |
| 1"   | 1" - 11 1/2h NPSM | 843611616             | 70,86 |

### NPSM Swivel female 60° cone

Hembras giratorias rectas rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Muttern kon. 60°

Femelle NPSM cône 60°



| DN     | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|--------|--------------------|-----------------------|--------|
| 3/16"  | 1/4" 18h NPSM      | 842610403             | 19,52  |
| 1/4"   | 1/4" 18h NPSM      | 842610404             | 14,63  |
| 3/8"   | 3/8" 18h NPSM      | 842610606             | 15,33  |
| 3/8"   | 1/2" 14h NPSM      | NEW 842610806         | 22,68  |
| 1/2"   | 1/2" 14h NPSM      | 842610808             | 21,82  |
| 3/4"   | 3/4" 14h NPSM      | 842611212             | 31,48  |
| 3/4"   | 1"-11 1/2h NPSM    | 842611612             | 58,13  |
| 1"     | 1"-11 1/2h NPSM    | 842611616             | 49,74  |
| 1"1/4" | 1"1/4-11 1/2h NPSM | 842612020             | 93,44  |
| 1"1/2" | 1"1/2-11 1/2h NPSM | 842612424             | 110,70 |

### NPSM Swivel female 60° cone (90° Elbow)

Hembras giratorias 90° rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° kon. 90°

Coude 90° femelle NPSM cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" 18h NPSM   | 842620404             | 24,11 |
| 3/8" | 3/8" 18h NPSM   | 842620606             | 27,97 |
| 1/2" | 1/2" 14h NPSM   | 842620808             | 39,27 |
| 3/4" | 3/4" 14h NPSM   | 842621212             | 57,02 |
| 1"   | 1"-11 1/2h NPSM | 842621616             | 84,23 |

### NPSM Swivel female 60° cone (45° Elbow)

Hembras giratorias 45° rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° kon. 45°

Coude 45° femelle NPSM cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" 18h NPSM   | 842630404             | 24,12 |
| 3/8" | 3/8" 18h NPSM   | 842630606             | 27,97 |
| 1/2" | 1/2" 14h NPSM   | 842630808             | 39,27 |
| 3/4" | 3/4" 14h NPSM   | 842631212             | 57,02 |
| 1"   | 1"-11 1/2h NPSM | 842631616             | 84,23 |

### NPT Male pipe straight

Machos rosca cónica NPT

Außengewinde kon. NPT AGN

Embout mâle conique NPT (BRIGGS)



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/8" NPT        | 841610204             | 17,41  |
| 3/16"  | 1/4" NPT        | 841610403             | 18,28  |
| 1/4"   | 1/4" NPT        | 841610404             | 11,57  |
| 5/16"  | 1/4" NPT        | 841610405             | 19,18  |
| 3/8"   | 1/4" NPT        | 841610406             | 19,55  |
| 1/4"   | 3/8" NPT        | 841610604             | 19,41  |
| 5/16"  | 3/8" NPT        | 841610605             | 21,63  |
| 3/8"   | 3/8" NPT        | 841610606             | 13,03  |
| 1/2"   | 3/8" NPT        | 841610608             | 24,07  |
| 1/4"   | 1/2" NPT        | 841610804             | 31,54  |
| 3/8"   | 1/2" NPT        | 841610806             | 25,70  |
| 1/2"   | 1/2" NPT        | 841610808             | 17,40  |
| 5/8"   | 1/2" NPT        | 841610810             | 23,40  |
| 3/4"   | 1/2" NPT        | 841610812             | 32,62  |
| 1/2"   | 3/4" NPT        | 841611208             | 36,02  |
| 5/8"   | 3/4" NPT        | 841611210             | 35,35  |
| 3/4"   | 3/4" NPT        | 841611212             | 27,55  |
| 1"     | 3/4" NPT        | 841611216             | 44,83  |
| 3/4"   | 1" NPT          | 841611612             | 53,66  |
| 1"     | 1" NPT          | 841611616             | 45,34  |
| 1"     | 1"1/4 NPT       | 841612016             | 88,76  |
| 1"1/4" | 1"1/4 NPT       | 841612020             | 83,54  |
| 1"     | 1"1/2 NPT       | 841612416             | 121,85 |
| 1"1/4" | 1"1/2 NPT       | 841612420             | 103,51 |
| 1"1/2" | 1"1/2 NPT       | 841612424             | 97,15  |
| 2"     | 2" NPT          | 841613232             | 173,64 |

### Swivel male NPT

Machos giratorios NPT

Außengewinde NPT

Mâle tournant NPT



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 1/4" NPT        | 841650404             | 42,54  |
| 3/8" | 3/8" NPT        | 841650606             | 43,32  |
| 3/8" | 1/2" NPT        | 841650806             | 67,92  |
| 1/2" | 1/2" NPT        | 841650808             | 47,28  |
| 3/4" | 1/2" NPT        | 841650812             | 78,09  |
| 1/2" | 3/4" NPT        | 841651208             | 80,77  |
| 3/4" | 3/4" NPT        | 841651212             | 67,61  |
| 3/4" | 1" NPT          | 841651612             | 107,23 |
| 1"   | 1" NPT          | 841651616             | 100,15 |

# Standard series

Conexiones Standard

Standardserie

Embouts série standard

## Double hexagonal JIC 37° Swivel female

Hembras giratorias recta JIC 37° doble hexagonal

Dichtkonus mit Ü-Mutter JIC 37° DKJ doppelt 6 kt

Femelle JIC 37° double hexagonal



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 7/16" 20h UNF   | 842420703             | 19,02  |
| 1/4"   | 7/16" 20h UNF   | 842420704             | 14,55  |
| 5/16"  | 7/16" 20h UNF   | 842420705             | 24,29  |
| 3/8"   | 7/16" 20h UNF   | 842420706             | 28,80  |
| 1/4"   | 1/2" 20h UNF    | 842420804             | 20,19  |
| 5/16"  | 1/2" 20h UNF    | 842420805             | 25,00  |
| 3/8"   | 1/2" 20h UNF    | 842420806             | 24,45  |
| 1/4"   | 9/16" 18h UNF   | 842420904             | 22,39  |
| 5/16"  | 9/16" 18h UNF   | 842420905             | 24,71  |
| 3/8"   | 9/16" 18h UNF   | 842420906             | 16,90  |
| 3/8"   | 3/4" 16h UNF    | 842421206             | 21,58  |
| 1/2"   | 3/4" 16h UNF    | 842421208             | 19,55  |
| 5/8"   | 3/4" 16h UNF    | 842421210             | 28,18  |
| 3/4"   | 3/4" 16h UNF    | 842421212             | 41,95  |
| 1/2"   | 7/8" 14h UNF    | 842421408             | 29,63  |
| 5/8"   | 7/8" 14h UNF    | 842421410             | 32,19  |
| 3/4"   | 7/8" 14h UNF    | 842421412             | 42,37  |
| 1/2"   | 1 1/16" 12h UN  | 842421708             | 42,50  |
| 5/8"   | 1 1/16" 12h UN  | 842421710             | 39,28  |
| 3/4"   | 1 1/16" 12h UN  | 842421712             | 33,49  |
| 1"     | 1 1/16" 12h UN  | 842421716             | 53,93  |
| 3/4"   | 1 5/16" 12h UN  | 842422112             | 59,17  |
| 1"     | 1 5/16" 12h UN  | 842422116             | 51,77  |
| 1 1/4" | 1 5/8" 12h UN   | 842422620             | 98,86  |
| 1 1/2" | 1 7/8" 12h UN   | 842423024             | 129,75 |
| 2"     | 2 1/2" 12h UN   | 842424032             | 278,62 |

## JIC 37° Swivel female

Hembras giratorias recta JIC 37°

Dichtkonus mit Ü-Mutter JIC 37°

Femelle droite JIC cône 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3,2 mm | 7/16" 20h UNF   | 841420701             | 17,42  |
| 3/16"  | 7/16" 20h UNF   | 841420703             | 12,09  |
| 1/4"   | 7/16" 20h UNF   | 841420704             | 11,64  |
| 5/16"  | 7/16" 20h UNF   | 841420705             | 17,23  |
| 3/16"  | 1/2" 20h UNF    | 841420803             | 13,83  |
| 1/4"   | 1/2" 20h UNF    | 841420804             | 12,84  |
| 5/16"  | 1/2" 20h UNF    | 841420805             | 16,10  |
| 1/4"   | 9/16" 18h UNF   | 841420904             | 14,62  |
| 5/16"  | 9/16" 18h UNF   | 841420905             | 13,30  |
| 3/8"   | 9/16" 18h UNF   | 841420906             | 13,00  |
| 3/8"   | 3/4" 16h UNF    | 841421206             | 17,41  |
| 1/2"   | 3/4" 16h UNF    | 841421208             | 16,64  |
| 3/8"   | 7/8" 14h UNF    | 841421406             | 25,04  |
| 1/2"   | 7/8" 14h UNF    | 841421408             | 18,16  |
| 5/8"   | 7/8" 14h UNF    | 841421410             | 21,59  |
| 1/2"   | 1 1/16" 12h UN  | 841421708             | 34,62  |
| 5/8"   | 1 1/16" 12h UN  | 841421710             | 30,02  |
| 3/4"   | 1 1/16" 12h UN  | 841421712             | 25,32  |
| 1"     | 1 1/16" 12h UN  | 841421716             | 47,49  |
| 3/4"   | 1 5/16" 12h UN  | 841422112             | 40,49  |
| 1"     | 1 5/16" 12h UN  | 841422116             | 39,86  |
| 1"     | 1 5/8" 12h UN   | 841422616             | 70,86  |
| 1 1/4" | 1 5/8" 12h UN   | 841422620             | 68,92  |
| 1 1/4" | 1 7/8" 12h UN   | 841423020             | 124,02 |
| 1 1/2" | 1 7/8" 12h UN   | 841423024             | 95,95  |
| 2"     | 2 1/2" 12h UN   | 841424032             | 189,74 |

## JIC 37° Swivel female (90° Elbow)

Hembras giratorias 90° JIC 37°

Dichtkonus JIC 37° DKJ 90°

Coude 90° femelle JIC cône 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 7/16" 20h UNF   | 841380703             | 25,40  |
| 1/4"   | 7/16" 20h UNF   | 841380704             | 19,04  |
| 5/16"  | 7/16" 20h UNF   | 841380705             | 34,95  |
| 1/4"   | 1/2" 20h UNF    | 841380804             | 22,37  |
| 5/16"  | 1/2" 20h UNF    | 841380805             | 32,37  |
| 1/4"   | 9/16" 18h UNF   | 841380904             | 32,50  |
| 5/16"  | 9/16" 18h UNF   | 841380905             | 24,85  |
| 3/8"   | 9/16" 18h UNF   | 841380906             | 23,70  |
| 3/8"   | 3/4" 16h UNF    | 841381206             | 31,99  |
| 1/2"   | 3/4" 16h UNF    | 841381208             | 28,30  |
| 3/8"   | 7/8" 14h UNF    | 841381406             | 39,83  |
| 1/2"   | 7/8" 14h UNF    | 841381408             | 30,77  |
| 5/8"   | 7/8" 14h UNF    | 841381410             | 38,16  |
| 1/2"   | 1 1/16" 12h UN  | 841381708             | 50,72  |
| 5/8"   | 1 1/16" 12h UN  | 841381710             | 52,71  |
| 3/4"   | 1 1/16" 12h UN  | 841381712             | 50,21  |
| 3/4"   | 1 5/16" 12h UN  | 841382112             | 83,70  |
| 1"     | 1 5/16" 12h UN  | 841382116             | 78,84  |
| 1"     | 1 5/8" 12h UN   | 841382616             | 144,22 |
| 1 1/4" | 1 5/8" 12h UN   | 841382620             | 127,79 |
| 1 1/4" | 1 7/8" 12h UN   | 841383020             | 200,43 |
| 1 1/2" | 1 7/8" 12h UN   | 841383024             | 204,41 |
| 2"     | 2 1/2" 12h UN   | 841384032             | 444,62 |

## JIC 37° Swivel female (45° Elbow)

Hembras giratorias 45° JIC 37°

Dichtkonus JIC 37° DKJ 45°

Coude 45° femelle JIC cône 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 7/16" 20h UNF   | 841390703             | 25,40  |
| 1/4"   | 7/16" 20h UNF   | 841390704             | 19,04  |
| 1/4"   | 1/2" 20h UNF    | 841390804             | 22,37  |
| 5/16"  | 1/2" 20h UNF    | 841390805             | 32,37  |
| 1/4"   | 9/16" 18h UNF   | 841390904             | 32,51  |
| 5/16"  | 9/16" 18h UNF   | 841390905             | 24,85  |
| 3/8"   | 9/16" 18h UNF   | 841390906             | 23,70  |
| 3/8"   | 3/4" 16h UNF    | 841391206             | 31,99  |
| 1/2"   | 3/4" 16h UNF    | 841391208             | 28,30  |
| 3/8"   | 7/8" 14h UNF    | 841391406             | 39,83  |
| 1/2"   | 7/8" 14h UNF    | 841391408             | 30,77  |
| 5/8"   | 7/8" 14h UNF    | 841391410             | 38,16  |
| 5/8"   | 1 1/16" 12h UN  | 841391710             | 52,71  |
| 3/4"   | 1 1/16" 12h UN  | 841391712             | 50,22  |
| 3/4"   | 1 5/16" 12h UN  | 841392112             | 83,70  |
| 1"     | 1 5/16" 12h UN  | 841392116             | 78,84  |
| 1"     | 1 5/8" 12h UN   | 841392616             | 144,22 |
| 1 1/4" | 1 5/8" 12h UN   | 841392620             | 127,79 |
| 1 1/4" | 1 7/8" 12h UN   | 841393020             | 200,43 |
| 1 1/2" | 1 7/8" 12h UN   | 841393024             | 204,41 |
| 2"     | 2 1/2" 12h UN   | 841394032             | 444,62 |

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Male JIC 37°

Machos rosca JIC cono 37°

Außengewinde JIC 37° AGJ

Mâle fixe JIC cône 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 7/16" 20h UNF   | 841400703             | 21,37  |
| 1/4"   | 7/16" 20h UNF   | 841400704             | 16,47  |
| 1/4"   | 1/2" 20h UNF    | 841400804             | 17,08  |
| 5/16"  | 1/2" 20h UNF    | 841400805             | 17,61  |
| 1/4"   | 9/16" 18h UNF   | 841400904             | 22,50  |
| 5/16"  | 9/16" 18h UNF   | 841400905             | 22,58  |
| 3/8"   | 9/16" 18h UNF   | 841400906             | 22,82  |
| 1/4"   | 3/4" 16h UNF    | 841401204             | 31,93  |
| 3/8"   | 3/4" 16h UNF    | 841401206             | 18,48  |
| 1/2"   | 3/4" 16h UNF    | 841401208             | 20,89  |
| 3/8"   | 7/8" 14h UNF    | 841401406             | 26,42  |
| 1/2"   | 7/8" 14h UNF    | 841401408             | 19,67  |
| 5/8"   | 7/8" 14h UNF    | 841401410             | 27,57  |
| 5/8"   | 1"1/16 12h UN   | 841401710             | 36,60  |
| 3/4"   | 1"1/16 12h UN   | 841401712             | 35,67  |
| 1"     | 1"1/16 12h UN   | 841401716             | 43,14  |
| 3/4"   | 1"5/16 12h UN   | 841402112             | 54,49  |
| 1"     | 1"5/16 12h UN   | 841402116             | 53,81  |
| 1"     | 1"5/8 12h UN    | 841402616             | 91,97  |
| 1"1/4" | 1"5/8 12h UN    | 841402620             | 95,34  |
| 1"1/2" | 1"7/8 12h UN    | 841403024             | 109,60 |
| 2"     | 2"1/2 12h UN    | 841404032             | 255,47 |

### Male JIC 37° with o'ring

Machos rosca JIC cono 37° con junta

Außengewinde JIC 37° AGJ mit Dichtung

Mâle fixe JIC cône 37° avec o'ring



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 7/16" 20h UNF   | 841410704             | 19,34  |
| 3/8"   | 9/16" 18h UNF   | 841410906             | 23,19  |
| 1/2"   | 3/4" 16h UNF    | 841411208             | 24,43  |
| 3/4"   | 1"1/16 12h UN   | 841411712             | 45,42  |
| 1"     | 1"5/16 12h UN   | 841412116             | 63,72  |
| 1"1/4" | 1"5/8 12h UN    | 841412620             | 111,42 |
| 1"1/2" | 1"7/8 12h UN    | 841413024             | 158,22 |
| 2"     | 2"1/2 12h UN    | 841414032             | 392,79 |

### JIC 37° Swivel female (90° Compact Elbow)

Hembras giratorias 90° compactas JIC 37°

Dichtkonus JIC 37° einteilig 90° DKJ

Coude femelle 90° compact JIC cône 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | 841370704             | 45,30  |
| 3/8" | 9/16" 18h UNF   | 841370906             | 45,78  |
| 1/2" | 3/4" 16h UNF    | 841371208             | 59,44  |
| 3/4" | 1"1/16 12h UNF  | 841371712             | 84,20  |
| 1"   | 1"5/16 12h UNF  | 841372116             | 138,94 |

Standard series

Conexiones Standard

Standardserie

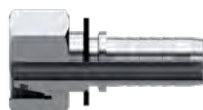
Embouts série standard

Metric female swivel L with o’ring 24° cone

Hembras giratorias rectas DKOL rosca Métrica cono 24°

Dichtkegel mit Ü-Mutter L und O-Ring DIN 20078 DKOL/DKOS

Femelle Métrique L avec o’ring cône 24°



Metric female swivel S with o’ring 24° cone

Hembras giratorias rectas DKOS rosca Métrica cono 24°

Dichtkegel mit Ü-Mutter S und O-Ring DIN 20078 DKOL/DKOS

Femelle Métrique S avec o’ring cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/16" | 6            | L               | M12x1.5         | 84804120603           | 13,19  |
| 1/4"  | 6            | L               | M12x1.5         | 84804120604           | 12,12  |
| 1/4"  | 8            | L               | M14x1.5         | 84804140804           | 10,92  |
| 5/16" | 8            | L               | M14x1.5         | 84804140805           | 17,76  |
| 3/8"  | 8            | L               | M 14x1.5        | 84804140806           | 24,13  |
| 1/4"  | 10           | L               | M16x1.5         | 84804161004           | 12,56  |
| 5/16" | 10           | L               | M16x1.5         | 84804161005           | 12,41  |
| 3/8"  | 10           | L               | M16x1.5         | 84804161006           | 14,62  |
| 1/4"  | 12           | L               | M18x1.5         | 84804181204           | 18,03  |
| 5/16" | 12           | L               | M18x1.5         | 84804181205           | 16,71  |
| 3/8"  | 12           | L               | M18x1.5         | 84804181206           | 13,51  |
| 1/2"  | 12           | L               | M 18x1.5        | 84804181208           | 27,19  |
| 1/4"  | 15           | L               | M22x1.5         | 84804221504           | 22,61  |
| 5/16" | 15           | L               | M22x1.5         | 84804221505           | 22,03  |
| 3/8"  | 15           | L               | M22x1.5         | 84804221506           | 19,02  |
| 1/2"  | 15           | L               | M22x1.5         | 84804221508           | 18,24  |
| 5/8"  | 15           | L               | M22x1,5         | 84804221510           | 36,52  |
| 3/8"  | 18           | L               | M26x1,5         | 84804261806           | 30,04  |
| 1/2"  | 18           | L               | M26x1.5         | 84804261808           | 27,21  |
| 5/8"  | 18           | L               | M26x1.5         | 84804261810           | 25,20  |
| 3/4"  | 18           | L               | M26x1.5         | 84804261812           | 43,92  |
| 1/2"  | 22           | L               | M30x2           | 84804302208           | 37,61  |
| 5/8"  | 22           | L               | M30x2           | 84804302210           | 39,53  |
| 3/4"  | 22           | L               | M30x2           | 84804302212           | 30,81  |
| 3/4"  | 28           | L               | M36x2           | 84804362812           | 59,66  |
| 1"    | 28           | L               | M36x2           | 84804362816           | 48,82  |
| 1"    | 35           | L               | M45x2           | 84804453516           | 86,71  |
| 1"1/4 | 35           | L               | M45x2           | 84804453520           | 68,97  |
| 1"1/4 | 42           | L               | M52x2           | 84804524220           | 134,40 |
| 1"1/2 | 42           | L               | M52x2           | 84804524224           | 103,58 |
| 2"    | 42           | L               | M52x2           | 84804524232           | 180,66 |

| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 6            | S               | M14x1.5         | 84804140604           | 17,40  |
| 1/4"  | 8            | S               | M16x1.5         | 84804160804           | 12,66  |
| 5/16" | 8            | S               | M16x1.5         | 84804160805           | 19,87  |
| 3/8"  | 8            | S               | M16x1.5         | 84804160806           | 20,74  |
| 1/4"  | 10           | S               | M18x1.5         | 84804181004           | 14,86  |
| 5/16" | 10           | S               | M18x1.5         | 84804181005           | 20,49  |
| 3/8"  | 10           | S               | M18x1.5         | 84804181006           | 22,10  |
| 1/4"  | 12           | S               | M20x1.5         | 84804201204           | 28,77  |
| 5/16" | 12           | S               | M20x1.5         | 84804201205           | 17,97  |
| 3/8"  | 12           | S               | M20x1.5         | 84804201206           | 16,33  |
| 1/2"  | 12           | S               | M20x1.5         | 84804201208           | 27,23  |
| 5/16" | 14           | S               | M22x1.5         | 84804221405           | 21,66  |
| 3/8"  | 14           | S               | M22x1.5         | 84804221406           | 22,04  |
| 1/2"  | 14           | S               | M22X1.5         | 84804221408           | 21,14  |
| 1/4"  | 16           | S               | M24x1.5         | 84804241604           | 26,71  |
| 5/16" | 16           | S               | M24x1.5         | 84804241605           | 29,42  |
| 3/8"  | 16           | S               | M24x1.5         | 84804241606           | 24,18  |
| 1/2"  | 16           | S               | M24x1.5         | 84804241608           | 18,40  |
| 5/8"  | 16           | S               | M24x1.5         | 84804241610           | 29,36  |
| 1/2"  | 20           | S               | M30x2           | 84804302008           | 35,47  |
| 5/8"  | 20           | S               | M30x2           | 84804302010           | 28,30  |
| 3/4"  | 20           | S               | M30x2           | 84804302012           | 38,27  |
| 5/8"  | 25           | S               | M36x2           | 84804362510           | 54,41  |
| 3/4"  | 25           | S               | M36x2           | 84804362512           | 50,72  |
| 1"    | 25           | S               | M36x2           | 84804362516           | 64,95  |
| 3/4"  | 30           | S               | M42x2           | 84804423012           | 79,06  |
| 1"    | 30           | S               | M42x2           | 84804423016           | 67,95  |
| 1"1/4 | 38           | S               | M52x2           | 84804523820           | 114,09 |

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Metric Male stud 24° cone

Machos rosca Métrica cono 24°

Gewindezapfen L/S DIN 20078 D/E CEL/CES

Mâle métrique cône 24°



| DN     | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"   | 6            | L               | M12x1.5         | 84203120604           | 16,80  |
| 1/4"   | 8            | L               | M14x1.5         | 84203140804           | 14,59  |
| 1/4"   | 10           | L               | M16x1.5         | 84203161004           | 15,66  |
| 5/16"  | 10           | L               | M16x1.5         | 84203161005           | 19,10  |
| 3/8"   | 10           | L               | M16x1.5         | 84203161006           | 18,08  |
| 1/4"   | 12           | L               | M18x1.5         | 84203181204           | 20,72  |
| 5/16"  | 12           | L               | M18x1.5         | 84203181205           | 17,93  |
| 3/8"   | 12           | L               | M18x1.5         | 84203181206           | 12,29  |
| 3/8"   | 15           | L               | M22x1.5         | 84203221506           | 24,55  |
| 1/2"   | 15           | L               | M22x1.5         | 84203221508           | 18,29  |
| 1/2"   | 18           | L               | M26x1.5         | 84203261808           | 29,31  |
| 5/8"   | 18           | L               | M26x1.5         | 84203261810           | 24,65  |
| 3/4"   | 22           | L               | M30x2           | 84203302212           | 36,35  |
| 1"     | 28           | L               | M36x2           | 84203362816           | 54,22  |
| 1 1/4" | 35           | L               | M45x2           | 84203453520           | 92,26  |
| 1 1/2" | 42           | L               | M52x2           | 84203524224           | 138,50 |
| 1/4"   | 6            | S               | M14x1.5         | 84203140604           | 19,05  |
| 1/4"   | 8            | S               | M16x1.5         | 84203160804           | 20,37  |
| 1/4"   | 10           | S               | M18x1.5         | 84203181004           | 22,95  |
| 5/16"  | 10           | S               | M18x1.5         | 84203181005           | 28,02  |
| 3/8"   | 10           | S               | M18x1.5         | 84203181006           | 19,68  |
| 5/16"  | 12           | S               | M20x1.5         | 84203201205           | 25,52  |
| 3/8"   | 12           | S               | M20x1.5         | 84203201206           | 20,59  |
| 3/8"   | 14           | S               | M22x1.5         | 84203221406           | 25,00  |
| 1/2"   | 14           | S               | M22x1.5         | 84203221408           | 29,49  |
| 1/2"   | 16           | S               | M24x1.5         | 84203241608           | 21,34  |
| 5/8"   | 20           | S               | M30x2           | 84203302010           | 34,29  |
| 3/4"   | 20           | S               | M30x2           | 84203302012           | 44,40  |
| 3/4"   | 25           | S               | M36x2           | 84203362512           | 58,69  |
| 1"     | 25           | S               | M36x2           | 84203362516           | 67,46  |
| 1"     | 30           | S               | M42x2           | 84203423016           | 92,21  |
| 1 1/4" | 38           | S               | M52x2           | 84203523820           | 141,76 |

### Metric female swivel 24° / 60° cone

Hembras giratorias rectas rosca Métrica cono 24° / 60°

Dichtkegel mit Ü-Mutter metr. kon. 24° / 60° DKM

Femelle Métrique cône 24° / 60°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|--------------|-----------------|-----------------|-----------------------|-------|
| 1/4"  | 8            | L               | M14x1.5         | 84404140804           | 16,11 |
| 1/4"  | 10           | L               | M16x1.5         | 84404161004           | 17,31 |
| 5/16" | 10           | L               | M16x1.5         | 84404161005           | 19,14 |
| 3/8"  | 10           | L               | M16x1.5         | 84404161006           | 18,60 |
| 5/16" | 12           | L               | M18x1.5         | 84404181205           | 21,14 |
| 3/8"  | 12           | L               | M18x1.5         | 84404181206           | 18,96 |
| 3/8"  | 15           | L               | M22x1.5         | 84404221506           | 26,63 |
| 1/2"  | 15           | L               | M22x1.5         | 84404221508           | 25,56 |
| 5/8"  | 18           | L               | M26x1.5         | 84404261810           | 31,45 |



## Standard series

Conexiones Standard

Standardserie

Embouts série standard

### Metric swivel female with o'ring 24° cone (90° Elbow)

Hembras giratorias DKO 90° Métricas cono 24°

Dichtkegel mit Ü-Mutter und O-Ring DIN 20078 90°  
Bogen DKOL 90° / DKOS 90°

Coude 90° femelle Métrique cône 24° avec o'ring



### Metric swivel female with o'ring 24° cone (45° Elbow)

Hembras giratorias DKO 45° Métricas cono 24°

Dichtkegel mit Ü-Mutter und O-Ring DIN 20078 45°  
Bogen DKOL 45° / DKOS 45° kon.

Coude 45° femelle Métrique cône 24° avec o'ring



| DN     | TUBO<br>PIPE | ROSCA<br>THREAD | SERIE<br>SERIES | Referencia<br>Part n° | €      |
|--------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/16"  | 6            | M12x1.5         | L               | 84305120603           | 24,72  |
| 1/4"   | 6            | M12x1.5         | L               | 84305120604           | 20,50  |
| 1/4"   | 8            | M14x1.5         | L               | 84305140804           | 19,51  |
| 5/16"  | 8            | M14x1.5         | L               | 84305140805           | 31,80  |
| 1/4"   | 10           | M16x1.5         | L               | 84305161004           | 22,87  |
| 5/16"  | 10           | M16x1.5         | L               | 84305161005           | 24,52  |
| 3/8"   | 10           | M16x1.5         | L               | 84305161006           | 25,15  |
| 1/4"   | 12           | M18x1.5         | L               | 84305181204           | 31,32  |
| 5/16"  | 12           | M18x1.5         | L               | 84305181205           | 32,49  |
| 3/8"   | 12           | M18x1.5         | L               | 84305181206           | 23,27  |
| 1/2"   | 12           | M18x1.5         | L               | 84305181208           | 35,74  |
| 3/8"   | 15           | M22x1.5         | L               | 84305221506           | 38,08  |
| 1/2"   | 15           | M22x1.5         | L               | 84305221508           | 29,33  |
| 5/8"   | 15           | M22x1.5         | L               | 84305221510           | 69,76  |
| 1/2"   | 18           | M26x1.5         | L               | 84305261808           | 44,84  |
| 5/8"   | 18           | M26x1.5         | L               | 84305261810           | 42,12  |
| 5/8"   | 22           | M30x2           | L               | 84305302210           | 66,24  |
| 3/4"   | 22           | M30x2           | L               | 84305302212           | 56,15  |
| 3/4"   | 28           | M36x2           | L               | 84305362812           | 91,90  |
| 1"     | 28           | M36x2           | L               | 84305362816           | 84,03  |
| 1" 1/4 | 35           | M45x2           | L               | 84305453520           | 139,27 |
| 1" 1/2 | 42           | M52x2           | L               | 84305524224           | 219,53 |
| 1/4"   | 6            | M14x1.5         | S               | 84305140604           | 28,44  |
| 1/4"   | 8            | M16x1.5         | S               | 84305160804           | 23,70  |
| 5/16"  | 8            | M16x1.5         | S               | 84305160805           | 28,96  |
| 1/4"   | 10           | M18x1.5         | S               | 84305181004           | 24,22  |
| 5/16"  | 10           | M18x1.5         | S               | 84305181005           | 39,83  |
| 3/8"   | 10           | M18x1.5         | S               | 84305181006           | 32,70  |
| 1/4"   | 12           | M20x1.5         | S               | 84305201204           | 32,21  |
| 5/16"  | 12           | M20x1.5         | S               | 84305201205           | 33,95  |
| 3/8"   | 12           | M20x1.5         | S               | 84305201206           | 28,00  |
| 1/2"   | 12           | M20x1.5         | S               | 84305201208           | 33,93  |
| 3/8"   | 14           | M22x1.5         | S               | 84305221406           | 38,33  |
| 1/2"   | 14           | M22x1.5         | S               | 84305221408           | 36,03  |
| 3/8"   | 16           | M24x1.5         | S               | 84305241606           | 33,60  |
| 1/2"   | 16           | M24x1.5         | S               | 84305241608           | 31,89  |
| 3/8"   | 20           | M30x2           | S               | 84305302006           | 64,69  |
| 1/2"   | 20           | M30x2           | S               | 84305302008           | 56,28  |
| 5/8"   | 20           | M30x2           | S               | 84305302010           | 50,99  |
| 3/4"   | 20           | M30x2           | S               | 84305302012           | 59,23  |
| 3/4"   | 25           | M36x2           | S               | 84305362512           | 82,56  |
| 1"     | 25           | M36x2           | S               | 84305362516           | 100,48 |
| 5/8"   | 30           | M42x2           | S               | 84305423010           | 121,70 |
| 3/4"   | 30           | M42x2           | S               | 84305423012           | 154,70 |
| 1"     | 30           | M42x2           | S               | 84305423016           | 122,01 |
| 1" 1/4 | 38           | M52x2           | S               | 84305523820           | 208,17 |

| DN     | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/16"  | 6            | L               | M12x1.5         | 84306120603           | 24,72  |
| 1/4"   | 6            | L               | M12x1.5         | 84306120604           | 20,50  |
| 1/4"   | 8            | L               | M14x1.5         | 84306140804           | 19,51  |
| 5/16"  | 8            | L               | M14x1.5         | 84306140805           | 31,80  |
| 1/4"   | 10           | L               | M16x1.5         | 84306161004           | 22,87  |
| 5/16"  | 10           | L               | M16x1.5         | 84306161005           | 24,52  |
| 3/8"   | 10           | L               | M16x1.5         | 84306161006           | 25,15  |
| 1/4"   | 12           | L               | M18x1.5         | 84306181204           | 31,32  |
| 5/16"  | 12           | L               | M18x1.5         | 84306181205           | 32,49  |
| 3/8"   | 12           | L               | M18x1.5         | 84306181206           | 23,27  |
| 1/2"   | 12           | L               | M18x1.5         | 84306181208           | 35,74  |
| 3/8"   | 15           | L               | M22x1.5         | 84306221506           | 38,08  |
| 1/2"   | 15           | L               | M22x1.5         | 84306221508           | 29,33  |
| 5/8"   | 15           | L               | M22x1.5         | NEW 84306221510       | 69,76  |
| 1/2"   | 18           | L               | M26x1.5         | 84306261808           | 44,84  |
| 5/8"   | 18           | L               | M26x1.5         | 84306261810           | 42,12  |
| 5/8"   | 22           | L               | M30x2           | 84306302210           | 66,24  |
| 3/4"   | 22           | L               | M30x2           | 84306302212           | 56,15  |
| 3/4"   | 28           | L               | M36x2           | 84306362812           | 91,90  |
| 1"     | 28           | L               | M36x2           | 84306362816           | 84,03  |
| 1" 1/4 | 35           | L               | M45x2           | 84306453520           | 139,27 |
| 1" 1/2 | 42           | L               | M52x2           | 84306524224           | 219,53 |
| 1/4"   | 6            | S               | M14x1.5         | 84306140604           | 28,44  |
| 1/4"   | 8            | S               | M16x1.5         | 84306160804           | 23,70  |
| 5/16"  | 8            | S               | M16x1.5         | 84306160805           | 28,96  |
| 1/4"   | 10           | S               | M18x1.5         | 84306181004           | 24,22  |
| 3/8"   | 10           | S               | M18x1.5         | 84306181006           | 32,70  |
| 1/4"   | 12           | S               | M20x1.5         | 84306201204           | 32,21  |
| 5/16"  | 12           | S               | M20x1.5         | 84306201205           | 33,96  |
| 3/8"   | 12           | S               | M20x1.5         | 84306201206           | 28,00  |
| 1/2"   | 12           | S               | M20x1.5         | 84306201208           | 33,93  |
| 3/8"   | 14           | S               | M22x1.5         | 84306221406           | 38,33  |
| 3/8"   | 16           | S               | M24x1.5         | 84306241606           | 33,60  |
| 1/2"   | 16           | S               | M24x1.5         | 84306241608           | 31,89  |
| 3/8"   | 20           | S               | M30x2           | 84306302006           | 64,69  |
| 1/2"   | 20           | S               | M30x2           | 84306302008           | 56,28  |
| 5/8"   | 20           | S               | M30x2           | 84306302010           | 50,99  |
| 3/4"   | 20           | S               | M30x2           | 84306302012           | 59,23  |
| 3/4"   | 25           | S               | M36x2           | 84306362512           | 82,56  |
| 1"     | 25           | S               | M36x2           | 84306362516           | 100,48 |
| 3/4"   | 30           | S               | M42x2           | 84306423012           | 154,70 |
| 1"     | 30           | S               | M42x2           | 84306423016           | 122,01 |
| 1" 1/4 | 38           | S               | M52x2           | 84306523820           | 208,17 |

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Metric female swivel without o'ring 24° cone

Hembras giratorias rectas rosca Métrica 24° sin junta tórica

Dichtkegel mit U-Mutter ohne O-Ring DIN 20078 DKL/DKS

Femelle Métrique cône 24° sans o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|--------------|-----------------|-----------------|-----------------------|-------|
| 1/4"  | 8            | L               | M14x1.5         | 84814140804           | 11,65 |
| 5/16" | 10           | L               | M16x1.5         | 84814161005           | 18,29 |
| 3/8"  | 12           | L               | M18x1.5         | 84814181206           | 16,38 |
| 1/2"  | 15           | L               | M22x1.5         | 84814221508           | 18,81 |
| 5/8"  | 18           | L               | M26x1.5         | 84814261810           | 25,95 |
| 3/4"  | 22           | L               | M30x2           | 84814302212           | 38,37 |
| 1"    | 28           | L               | M36x2           | 84814362816           | 56,17 |

### Metric swivel female without o'ring 24° cone (90° Elbow)

Hembras giratorias 90° Métricas 24° sin junta tórica

Dichtkegel mit Ü-Mutter ohne O-Ring DIN 20078 90° Bogen DKL 90° /DKS 90°

Coude 90° femelle Métrique cône 24° sans o'ring



| DN    | TUBO<br>PIPE | SERIE<br>Serie | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|--------------|----------------|-----------------|-----------------------|-------|
| 1/4"  | 8            | L              | M14x1.5         | 84315140804           | 21,21 |
| 5/16" | 10           | L              | M16x1.5         | 84315161005           | 28,08 |
| 3/8"  | 12           | L              | M18x1.5         | 84315181206           | 25,30 |
| 1/2"  | 15           | L              | M22x1.5         | 84315221508           | 31,58 |
| 5/8"  | 18           | L              | M26x1.5         | 84315261810           | 43,39 |
| 3/4"  | 22           | L              | M30x2           | 84315302212           | 59,25 |

### Metric swivel female without o'ring 24° cone (45° Elbow)

Hembras giratorias 45° Métricas 24° sin junta tórica

Dichtkegel mit Ü-Mutter ohne O-Ring DIN 20078 45° Bogen DKL 45° /DKS 45° kon.

Coude 45° femelle Métrique cône 24° sans o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|--------------|-----------------|-----------------|-----------------------|-------|
| 1/4"  | 8            | L               | M14x1.5         | 84316140804           | 21,21 |
| 5/16" | 10           | L               | M16x1.5         | 84316161005           | 28,08 |
| 3/8"  | 12           | L               | M18x1.5         | 84316181206           | 25,30 |
| 1/2"  | 15           | L               | M22x1.5         | 84316221508           | 31,58 |
| 5/8"  | 18           | L               | M26x1.5         | 84316261810           | 43,38 |
| 3/4"  | 22           | L               | M30x2           | 84316302212           | 59,25 |

- Sin junta tórica
- Especial mangueras PTFE
- Altas temperaturas
- Resistencia química

- Without o'ring
- PTFE Hose
- High temperature
- Chemist resistance



# Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

## Metric standpipe for ISO 8434-1 / DIN2353 fittings

Espigas lisas rectas Métricas ISO 8434-1 / DIN2353

Metr. Stutzen BEL / BES gerade ISO 8434-1 / DIN2353

Embout lisse droit Métrique ISO 8434-1 / DIN2353



| DN     | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------|--------------|-----------------------|-------|
| 3.2 mm | 6            | 841580601             | 10,99 |
| 1/8"   | 6            | 841580602             | 10,62 |
| 3/16"  | 6            | 841580603             | 10,39 |
| 1/4"   | 6            | 841580604             | 9,16  |
| 3/16"  | 8            | 841580803             | 10,93 |
| 1/4"   | 8            | 841580804             | 8,27  |
| 5/16"  | 8            | 841580805             | 11,11 |
| 3/8"   | 8            | 841580806             | 12,01 |
| 1/4"   | 10           | 841581004             | 10,43 |
| 5/16"  | 10           | 841581005             | 11,19 |
| 3/8"   | 10           | 841581006             | 10,07 |
| 1/4"   | 12           | 841581204             | 12,63 |
| 5/16"  | 12           | 841581205             | 12,91 |
| 3/8"   | 12           | 841581206             | 8,91  |
| 1/2"   | 12           | 841581208             | 12,37 |
| 3/8"   | 14           | 841581406             | 12,60 |
| 1/2"   | 14           | 841581408             | 17,54 |
| 3/8"   | 15           | 841581506             | 15,54 |
| 1/2"   | 15           | 841581508             | 13,20 |
| 1/2"   | 16           | 841581608             | 14,76 |
| 1/2"   | 18           | 841581808             | 19,98 |
| 5/8"   | 18           | 841581810             | 19,68 |
| 3/4"   | 18           | 841581812             | 28,56 |
| 1/2"   | 20           | 841582008             | 23,99 |
| 5/8"   | 20           | 841582010             | 22,50 |
| 3/4"   | 20           | 841582012             | 22,79 |
| 5/8"   | 22           | 841582210             | 23,77 |
| 3/4"   | 22           | 841582212             | 29,78 |
| 3/4"   | 25           | 841582512             | 29,60 |
| 1"     | 25           | 841582516             | 31,92 |
| 1"     | 28           | 841582816             | 35,12 |
| 1"     | 30           | 841583016             | 34,04 |
| 1"1/4  | 35           | 841583520             | 55,50 |
| 1"1/4  | 38           | 841583820             | 60,97 |
| 1"1/2  | 38           | 841583824             | 75,57 |
| 1"1/2  | 42           | 841584224             | 73,64 |

## Fractional Straight standpipe

Espigas lisas rectas para tubo en pulgadas

Zölliger Stutzen gerade glatt

Embout lisse tube pouce



| DN   | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|------|--------------|-----------------------|-------|
| 1/4" | 6.4          | 841590604             | 10,62 |
| 3/8" | 9.5          | 841590906             | 13,10 |
| 3/8" | 12.7         | 841591206             | 14,76 |
| 1/2" | 12.7         | 841591208             | 14,07 |
| 5/8" | 12.7         | 841591210             | 20,45 |
| 1/2" | 15.8         | 841591508             | 19,19 |
| 5/8" | 15.8         | 841591510             | 20,42 |
| 5/8" | 19.05        | 841591910             | 32,69 |
| 3/4" | 19.05        | 841591912             | 28,39 |
| 1"   | 25.4         | 841592516             | 39,89 |

## Fractional HEX Straight standpipe TrAle® LOK

Espigas lisas rectas HEX para tubo en pulgadas TrAle® LOK

Zölliger Stutzen gerade glatt HEX TrAle® LOK

Embout lisse tube HEX pouce TrAle® LOK



| DN   | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|------|--------------|-----------------------|-------|
| 1/4" | 6.4          | 841690404             | 15,73 |
| 3/8" | 9.5          | 841690606             | 18,34 |
| 1/2" | 12.7         | 841690808             | 26,79 |
| 3/4" | 19.05        | 841691212             | 33,89 |
| 1"   | 25.4         | 841691616             | 59,81 |

## Metric standpipe ISO 8434-1 / DIN2353 fittings (90° Elbow)

Espigas lisas 90° Métricas ISO 8434-1 / DIN2353

Metr. Stutzen BEL / BES 90° ISO 8434-1 / DIN2353

Embout lisse coude 90° Métrique ISO 8434-1 / DIN2353



| DN    | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|-------|--------------|-----------------------|-------|
| 1/8"  | 6            | 842580602             | 32,33 |
| 3/16" | 6            | 842580603             | 25,42 |
| 1/4"  | 6            | 842580604             | 18,87 |
| 3/16" | 8            | 842580803             | 28,70 |
| 1/4"  | 8            | 842580804             | 17,78 |
| 5/16" | 8            | 842580805             | 26,91 |
| 1/4"  | 10           | 842581004             | 19,60 |
| 5/16" | 10           | 842581005             | 23,43 |
| 3/8"  | 10           | 842581006             | 25,53 |
| 1/4"  | 12           | 842581204             | 29,84 |
| 5/16" | 12           | 842581205             | 24,77 |
| 3/8"  | 12           | 842581206             | 19,40 |
| 1/2"  | 12           | 842581208             | 34,34 |
| 3/8"  | 14           | 842581406             | 28,03 |
| 1/2"  | 14           | 842581408             | 37,14 |
| 3/8"  | 15           | 842581506             | 33,23 |
| 1/2"  | 15           | 842581508             | 29,17 |
| 1/2"  | 16           | 842581608             | 35,90 |
| 1/2"  | 18           | 842581808             | 36,74 |
| 5/8"  | 18           | 842581810             | 43,46 |
| 5/8"  | 20           | 842582010             | 48,43 |
| 3/4"  | 20           | 842582012             | 52,30 |
| 5/8"  | 22           | 842582210             | 66,19 |
| 3/4"  | 22           | 842582212             | 53,50 |
| 3/4"  | 25           | 842582512             | 59,61 |
| 1"    | 28           | 842582816             | 79,31 |
| 1"    | 30           | 842583016             | 85,98 |

## Fractional standpipe (90° Elbow)

Espigas lisas 90° para tubo en pulgadas

Zölliger Stutzen glatt 90°

Embout lisse coude 90° tube pouce



| DN   | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|------|--------------|-----------------------|-------|
| 1/4" | 6.4          | 842590604             | 29,74 |
| 3/8" | 9.5          | 842590906             | 31,78 |
| 1/2" | 12.7         | 842591208             | 39,63 |

## Standard series

Conexiones Standard  
Standardserie  
Embout série standard

### Metric standpipe ISO 8434-1 / DIN2353 fittings (45° Elbow)

Espigas lisas 45° Métricas ISO 8434-1 / DIN2353

Metr. Stutzen BEL/BES 45° ISO 8434-1 / DIN2353

Embout lisse coude 45° ISO 8434-1 / DIN2353



| DN    | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|-------|--------------|-----------------------|-------|
| 1/8"  | 6            | 843580602             | 32,34 |
| 3/16" | 6            | 843580603             | 25,42 |
| 1/4"  | 6            | 843580604             | 18,87 |
| 3/16" | 8            | 843580803             | 28,70 |
| 1/4"  | 8            | 843580804             | 17,78 |
| 5/16" | 8            | 843580805*            | 26,91 |
| 1/4"  | 10           | 843581004             | 19,60 |
| 5/16" | 10           | 843581005             | 23,43 |
| 3/8"  | 10           | 843581006             | 25,53 |
| 1/4"  | 12           | 843581204             | 29,84 |
| 5/16" | 12           | 843581205             | 24,77 |
| 3/8"  | 12           | 843581206             | 19,40 |
| 1/2"  | 12           | 843581208             | 34,34 |
| 3/8"  | 14           | 843581406             | 28,03 |
| 1/2"  | 14           | 843581408             | 37,14 |
| 3/8"  | 15           | 843581506             | 33,23 |
| 1/2"  | 15           | 843581508             | 29,17 |
| 1/2"  | 16           | 843581608             | 35,91 |
| 1/2"  | 18           | 843581808             | 36,74 |
| 5/8"  | 18           | 843581810             | 43,46 |
| 5/8"  | 20           | 843582010             | 48,43 |
| 1/2"  | 20           | 843582012             | 52,30 |
| 5/8"  | 22           | 843582210             | 66,19 |
| 3/4"  | 22           | 843582212             | 53,49 |
| 3/4"  | 25           | 843582512             | 59,61 |
| 1"    | 28           | 843582816             | 79,31 |
| 1"    | 30           | 843583016             | 85,98 |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Fractional Standpipe for inch tube (45° Elbow)

Espigas lisas 45° para tubo en pulgadas

Zölliger Stutzen glatt 45°

Embout lisse coude 45° tube pouce



| DN   | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|------|--------------|-----------------------|-------|
| 1/4" | 6,4          | 843590604             | 29,74 |
| 3/8" | 9,5          | 843590906             | 31,78 |
| 1/2" | 12,7         | 843591208             | 39,63 |

### Double crimp standpipe

Espigas de prensar dobles

Doppelnippel

Embout double jonction



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1/4"  | 843000404             | 23,19  |
| 5/16" | 843000505             | 24,22  |
| 3/8"  | 843000606             | 22,99  |
| 1/2"  | 843000808             | 28,65  |
| 3/4"  | 843001212             | 47,34  |
| 1"    | 843001616             | 56,06  |
| 1"1/4 | 843002020             | 113,59 |
| 1"1/2 | 843002424             | 128,21 |
| 2"    | 843003232             | 271,58 |

### Welding standpipes

Espigas soldables

Schweißstutzen

Embout lisse à souder



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1/8"  | 840000200*            | 16,80  |
| 3/16" | 840000300             | 16,87  |
| 1/4"  | 840000400             | 11,08  |
| 5/16" | 840000500             | 14,84  |
| 3/8"  | 840000600             | 16,26  |
| 1/2"  | 840000800             | 17,26  |
| 5/8"  | 840001000             | 21,02  |
| 3/4"  | 840001200             | 21,83  |
| 1"    | 840001600             | 27,98  |
| 1"1/4 | 840002000             | 50,75  |
| 1"1/2 | 840002400             | 58,50  |
| 2"    | 840003200             | 103,04 |
| 2"1/2 | 840004000             | 211,79 |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Standpipes for hidrowashing machines

Espigas para Hidrolavadoras

Stutzen für Waschgeräte

Embout lisses pour hydrolavage



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 5/16"        | M 22x1.5        | 8305005               | 20,22 |
| 3/8"         | M 22x1.5        | 8305006               | 19,69 |

### Hexagonal nuts for hydrowashing machines

Tuercas para terminales hidrolavadoras inox

Edelstahl-Muttern für Hochdruckreiniger

Écrous pour hidronettoyages



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| M22x1.5         | KZTHAP22              | 16,66 |

# Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

## Banjo BSP

Orientables BSP

Ringaugen BSP RN-BSP

Banjo droit gaz BSP



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/4"  | 1/4" | 841110404             | 34,93  |
| 1/4"  | 3/8" | 841110604             | 49,50  |
| 5/16" | 3/8" | 841110605             | 56,61  |
| 3/8"  | 3/8" | 841110606             | 47,40  |
| 1/2"  | 3/8" | 841110608             | 65,91  |
| 3/8"  | 1/2" | 841110806             | 68,10  |
| 1/2"  | 1/2" | 841110808             | 72,80  |
| 3/4"  | 3/4" | 841111212             | 106,13 |
| 1"    | 1"   | 841111616             | 330,12 |

## BSP Bolt for banjo

Tornillo orientable simple BSP

Einfache Hohlschraube BSP für Ringauge

Vis creuse simple pour banjo gaz



| ROSCA<br>THREAD | Referencia<br>Part n° | € |
|-----------------|-----------------------|---|
| 1/8" BSP        | Z109002               | * |
| 1/4" BSP        | Z109004               | * |
| 3/8" BSP        | Z109006               | * |
| 1/2" BSP        | Z109008               | * |
| 3/4" BSP        | Z109012               | * |
| 1" BSP          | Z109016               | * |

\*See prices in p.176 (BSP ADAPTORS) / \*Ver precios en p.176 (ADAPTADORES BSP) / \*Vgl. Sie die Preise auf S.176 (BSP-Adapter) / \*Prix à la p.176 (ADAPTEURS BSP)

## Banjo Metric

Orientables Métricos

Ringaugen metr. nach DIN 7642 RN

Banjo droit Métrique



| DN    | Ø       | Referencia<br>Part n°      | €      |
|-------|---------|----------------------------|--------|
| 3/16" | M10x1   | 841161003                  | 34,67  |
| 1/4"  | M10x1   | 841161004                  | 36,97  |
| 5/16" | M10x1   | <span>NEW</span> 841161005 | 48,56  |
| 1/4"  | M12x1.5 | 841161204                  | 39,42  |
| 1/4"  | M14x1.5 | 841161404                  | 62,53  |
| 3/8"  | M14x1.5 | 841161406                  | 56,23  |
| 5/16" | M16x1.5 | 841161605                  | 54,04  |
| 3/8"  | M16x1.5 | 841161606                  | 57,69  |
| 3/8"  | M18x1.5 | 841161806                  | 58,10  |
| 1/2"  | M18x1.5 | 841161808                  | 82,89  |
| 1/2"  | M20x1.5 | 841162008                  | 102,87 |
| 1/2"  | M22x1.5 | 841162208                  | 105,24 |
| 3/4"  | M26x1.5 | 841162612                  | 132,20 |

## Metric bolt for banjo

Tornillo orientable simple Métrico

Einfache Hohlschraube metr. für Ringauge

Vis creuse simple for banjo Métrique



| ROSCA<br>THREAD | Referencia<br>Part n° | € |
|-----------------|-----------------------|---|
| M12X1.5         | Z109212               | * |
| M14X1.5         | Z109214               | * |
| M16X1.5         | Z109216               | * |
| M18X1.5         | Z109218               | * |
| M22X1.5         | Z109222               | * |
| M26X1.5         | Z109226               | * |
| M30X2           | Z109230               | * |

\*See prices in p.176 (BSP ADAPTORS) / \*Ver precios en p.176 (ADAPTADORES BSP) / \*Vgl. Sie die Preise auf S.176 (BSP-Adapter) / \*Prix à la p.176 (ADAPTEURS BSP)

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### 3000 PSI SAE Straight Flange / Code 61

Bridas rectas SAE 3000 PSI

Gerader Flansch SAE 3000 PSI

Bride SAE droite série 3000 PSI



| DN     | Ø     | Referencia<br>Part n° | €      |
|--------|-------|-----------------------|--------|
| 1/2"   | 30,2  | 841820808             | 38,14  |
| 1/2"   | 38,1  | 841821208             | 63,69  |
| 5/8"   | 38,1  | 841821210             | 54,90  |
| 3/4"   | 38,1  | 841821212             | 53,74  |
| 3/4"   | 44,5  | 841821612             | 78,64  |
| 1"     | 44,5  | 841821616             | 68,63  |
| 1"     | 50,8  | 841822016             | 103,16 |
| 1"1/4  | 50,8  | 841822020             | 94,68  |
| 1"1/4  | 60,3  | 841822420             | 159,53 |
| 1"1/2  | 60,3  | 841822424             | 122,17 |
| 1"1/2  | 71,4  | 841823224             | 249,61 |
| 2"     | 71,4  | 841823232             | 214,41 |
| 2" 1/2 | 84,1  | 841824040             | 385,80 |
| 3"     | 101,6 | 841824848             | 626,43 |

### 3000 PSI SAE Flange (90° Elbow) / Code 61

Bridas 90° SAE 3000 PSI

Flansch 90° SAE 3000 PSI

Bride SAE coude 90° série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30,2 | 841830808             | 56,65  |
| 1/2"  | 38,1 | 841831208             | 73,96  |
| 5/8"  | 38,1 | 841831210             | 86,55  |
| 3/4"  | 38,1 | 841831212             | 79,63  |
| 3/4"  | 44,5 | 841831612             | 134,59 |
| 1"    | 44,5 | 841831616             | 104,34 |
| 1"    | 50,8 | 841832016             | 161,90 |
| 1"1/4 | 50,8 | 841832020             | 172,02 |
| 1"1/4 | 60,3 | 841832420             | 237,98 |
| 1"1/2 | 60,3 | 841832424             | 221,27 |
| 1"1/2 | 71,4 | 841833224             | 358,13 |
| 2"    | 71,4 | 841833232             | 376,28 |

### 3000 PSI SAE Flange (45° Elbow) / Code 61

Bridas 45° SAE 3000 PSI

Flansch 45° SAE 3000 PSI

Bride SAE coude 45° série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30,2 | 841840808             | 56,65  |
| 1/2"  | 38,1 | 841841208             | 73,96  |
| 5/8"  | 38,1 | 841841210             | 86,55  |
| 3/4"  | 38,1 | 841841212             | 79,63  |
| 3/4"  | 44,5 | 841841612             | 134,59 |
| 1"    | 44,5 | 841841616             | 104,34 |
| 1"    | 50,8 | 841842016             | 161,89 |
| 1"1/4 | 50,8 | 841842020             | 172,02 |
| 1"1/4 | 60,3 | 841842420             | 237,98 |
| 1"1/2 | 60,3 | 841842424             | 221,27 |
| 1"1/2 | 71,4 | 841843224             | 358,13 |
| 2"    | 71,4 | 841843232             | 376,28 |

### 6000 PSI SAE Straight Flange / Code 62

Bridas rectas SAE 6000 PSI

Gerader Flansch SAE 6000 PSI

Bride SAE droite série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31,8 | 842820808             | 44,85  |
| 1/2"  | 41,3 | 842821208             | 71,77  |
| 5/8"  | 41,3 | 842821210             | 77,10  |
| 3/4"  | 41,3 | 842821212             | 61,30  |
| 3/4"  | 47,6 | 842821612             | 84,96  |
| 1"    | 47,6 | 842821616             | 79,11  |
| 1"    | 54   | 842822016             | 122,29 |
| 1"1/4 | 54   | 842822020             | 110,54 |
| 1"1/4 | 63,5 | 842822420             | 169,71 |
| 1"1/2 | 63,5 | 842822424             | 180,05 |
| 1"1/2 | 79,4 | 842823224             | 326,62 |
| 2"    | 79,4 | 842823232             | 338,31 |

### 6000 PSI SAE Flange (90° Elbow) / Code 62

Bridas 90° SAE 6000 PSI

Flansch 90° SAE 6000 PSI

Bride SAE coude 90° série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31,8 | 842830808             | 60,01  |
| 1/2"  | 41,3 | 842831208             | 94,82  |
| 5/8"  | 41,3 | 842831210             | 102,97 |
| 3/4"  | 41,3 | 842831212             | 93,33  |
| 3/4"  | 47,6 | 842831612             | 125,48 |
| 1"    | 47,6 | 842831616             | 125,68 |
| 1"    | 54   | 842832016             | 166,96 |
| 1"1/4 | 54   | 842832020             | 179,12 |
| 1"1/4 | 63,5 | 842832420             | 305,59 |
| 1"1/2 | 63,5 | 842832424             | 311,99 |
| 1"1/2 | 79,4 | 842833224             | 412,11 |
| 2"    | 79,4 | 842833232             | 446,78 |

### 6000 PSI SAE Flange (45° Elbow) / Code 62

Bridas 45° SAE 6000 PSI

Flansch 45° SAE 6000 PSI

Bride SAE coude 45° série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31,8 | 842840808             | 60,00  |
| 1/2"  | 41,3 | 842841208             | 94,82  |
| 5/8"  | 41,3 | 842841210             | 102,97 |
| 3/4"  | 41,3 | 842841212             | 93,33  |
| 3/4"  | 47,6 | 842841612             | 125,48 |
| 1"    | 47,6 | 842841616             | 125,68 |
| 1"    | 54   | 842842016             | 166,95 |
| 1"1/4 | 54   | 842842020             | 179,12 |
| 1"1/4 | 63,5 | 842842420             | 305,59 |
| 1"1/2 | 63,5 | 842842424             | 311,99 |
| 1"1/2 | 79,4 | 842843224             | 412,11 |
| 2"    | 79,4 | 842843232             | 446,77 |



# Standard series

Conexiones Standard

Standardserie

Embouts série standard

## SAE Split flange

Brida partida pasante

Durchgehender Halbflansch

Demi-bride de fixation



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 30.2              | 1/2"           | ZBBP308302            | 14,10  |
| 3000 PSI        | 38.1              | 3/4"           | ZBBP312381            | 18,20  |
| 3000 PSI        | 44.5              | 1"             | ZBBP316445            | 21,67  |
| 3000 PSI        | 50.8              | 1"1/4          | ZBBP320508            | 31,27  |
| 3000 PSI        | 60.3              | 1"1/2          | ZBBP324603            | 41,08  |
| 3000 PSI        | 71.4              | 2"             | ZBBP332714            | 49,61  |
| 3000 PSI        | 84.1              | 2" 1/2         | ZBBP340841            | 100,27 |
| 3000 PSI        | 102.4             | 3"             | ZBBP3481024           | 107,84 |
| 3000 PSI        | 127               | 4"             | ZBBP364127            | 205,36 |
| 6000 PSI        | 31.8              | 1/2"           | ZBBP608318            | 18,64  |
| 6000 PSI        | 41.3              | 3/4"           | ZBBP612413            | 27,25  |
| 6000 PSI        | 47.6              | 1"             | ZBBP616476            | 41,59  |
| 6000 PSI        | 54                | 1"1/4          | ZBBP620540            | 56,62  |
| 6000 PSI        | 63.5              | 1"1/2          | ZBBP624635            | 87,49  |
| 6000 PSI        | 79.4              | 2"             | ZBBP632794            | 151,91 |

€/pair / €/par / €/para / €/paire

## SAE Flange

Brida entera pasante

Durchgehender Vollflansch

Bride de fixation monobloc



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 30.2              | 1/2"           | ZBBE308302            | 14,67  |
| 3000 PSI        | 38.1              | 3/4"           | ZBBE312381            | 18,92  |
| 3000 PSI        | 44.5              | 1"             | ZBBE316445            | 21,67  |
| 3000 PSI        | 50.8              | 1"1/4          | ZBBE320508            | 32,52  |
| 3000 PSI        | 60.3              | 1"1/2          | ZBBE324603            | 42,72  |
| 3000 PSI        | 71.4              | 2"             | ZBBE332714            | 50,59  |
| 3000 PSI        | 41                | 2" 1/2         | ZBBE340841            | 99,27  |
| 3000 PSI        | 102.4             | 3"             | ZBBE3481024           | 141,65 |
| 3000 PSI        | 127               | 4"             | ZBBE364127            | 203,30 |
| 6000 PSI        | 31.8              | 1/2"           | ZBBE608318            | 17,92  |
| 6000 PSI        | 41.3              | 3/4"           | ZBBE612413            | 27,25  |
| 6000 PSI        | 47.6              | 1"             | ZBBE616476            | 39,99  |
| 6000 PSI        | 54                | 1"1/4          | ZBBE620540            | 58,88  |
| 6000 PSI        | 63.5              | 1"1/2          | ZBBE624635            | 89,20  |
| 6000 PSI        | 79.4              | 2"             | ZBBE632794            | 151,91 |

## Screws for SAE flanges

Tornillos para bridas SAE

Schrauben für SAE-Flansche

Vis pour brides SAE



| ROSCA<br>THREAD | TAMAÑO<br>SIZE                         | €          |
|-----------------|----------------------------------------|------------|
| M8X30           | 3000-6000 PSI 1/2"                     | ZTB8X30 *  |
| M10X35          | 3000 PSI 3/4"-1"                       | ZTB10X35 * |
| M10X40          | 3000 PSI 1" 1/4 - 6000 PSI 3/4"        | ZTB10X40 * |
| M12X45          | 3000 PSI 1"1/2-2"-2"1/2-6000 PSI 1"    | ZTB12X45 * |
| M14X45          | 6000 PSI 1"1/4                         | ZTB14X45 * |
| M16X50          | 3000 PSI 3"-3"1/2"-4"- 6000 PSI 1" 1/2 | ZTB16X50 * |
| M20X70          | 6000 PSI 2"                            | ZTB20X70 * |

\*See prices p.154 / \*Ver precios en p.154 / \*Vgl. Sie die Preise auf S.154 / \*Voir prix p.154

## SAE counter-flange

Contrabrida roscada

Gewindegegenflansch

Contre-bride passage total



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | € |
|-----------------|-------------------|----------------|-----------------------|---|
| 3000 PSI        | 30,2              | 1/2"           | ZBCE308302            | * |
| 3000 PSI        | 38,1              | 3/4"           | ZBCE312381            | * |
| 3000 PSI        | 44,5              | 1"             | ZBCE316445            | * |
| 3000 PSI        | 50,8              | 1"1/4          | ZBCE320508            | * |
| 3000 PSI        | 60,3              | 1"1/2          | ZBCE324603            | * |
| 3000 PSI        | 71,4              | 2"             | ZBCE332714            | * |
| 6000 PSI        | 31,8              | 1/2"           | ZBCE608318            | * |
| 6000 PSI        | 41,3              | 3/4"           | ZBCE612413            | * |
| 6000 PSI        | 47,6              | 1"             | ZBCE616476            | * |
| 6000 PSI        | 54                | 1"1/4          | ZBCE620540            | * |
| 6000 PSI        | 63,5              | 1"1/2          | ZBCE624635            | * |
| 6000 PSI        | 79,4              | 2"             | ZBCE632794            | * |

## Seals for 3000/6000 PSI flange

Juntas para bridas SAE 3000/6000 PSI

Dichtungen 3000/6000 PSI-Flansch

Joints pour bride série 3000/6000



| TAMAÑO<br>SIZE | Ø INT.<br>Ø INNER | Ø EXT.<br>Ø OUTER | Referencia<br>Part n° | € |
|----------------|-------------------|-------------------|-----------------------|---|
| 1/2"           | 17.02             | 25.40             | JBR08                 | * |
| 3/4"           | 23.36             | 31.72             | JBR12                 | * |
| 1"             | 31.24             | 39.62             | JBR16                 | * |
| 1"1/4          | 36.07             | 44.45             | JBR20                 | * |
| 1"1/2          | 45.34             | 53.98             | JBR24                 | * |
| 2"             | 54.86             | 63.50             | JBR32                 | * |

\*See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Ver precios en Conducciones Hidráulicas y Neumáticas / \*Vgl. Sie die Preise in der Preisliste Hydraulische und Pneumatische Verbindungen. / \*Voir prix dans le Catalogue Connectique Hydraulique et Pneumatique

## O'rings for 3000/6000 PSI flange

Juntas tóricas para bridas SAE 3000/6000 PSI

O-Ringe für 3000/6000 PSI-Flansch

O'rings pour bride série 3000/6000 PSI



| TAMAÑO<br>SIZE | Ø INT.<br>Ø INNER | Referencia<br>Part n° | € |
|----------------|-------------------|-----------------------|---|
| 1/2"           | 18.64             | 18.64X3.53            | * |
| 3/4"           | 24.99             | 24.99X3.53            | * |
| 1"             | 32.92             | 32.92X3.53            | * |
| 1"1/4          | 37.70             | 37.70X3.53            | * |
| 1"1/2          | 47.22             | 47.22X3.53            | * |
| 2"             | 56.74             | 56.74X3.53            | * |

\*See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Ver precios en Conducciones Hidráulicas y Neumáticas / \*Vgl. Sie die Preise in der Preisliste Hydraulische und Pneumatische Verbindungen. / \*Voir prix dans le Catalogue Connectique Hydraulique et Pneumatique

## Standard series

Conexiones Standard  
Standardserie  
Embouts série standard

### Double hexagonal ORFS Swivel female straight

Hembras giratorias rectas ORFS doble hexagonal

Dichtkopf mit ORFS Ü-Mutter doppelt 6 kt

Femelle droite ORFS double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 849010904             | 28,02  |
| 1/4"  | 11/16"-16h      | 849011104             | 38,39  |
| 5/16" | 11/16"-16h      | 849011105             | 35,87  |
| 3/8"  | 11/16"-16h      | 849011106             | 31,30  |
| 3/8"  | 13/16"-16h      | 849011306             | 40,14  |
| 1/2"  | 13/16"-16h      | 849011308             | 35,46  |
| 1/2"  | 1"-14h          | 849011608             | 70,11  |
| 5/8"  | 1"-14h          | 849011610             | 54,10  |
| 1/2"  | 1"3/16-12h      | 849011908             | 81,40  |
| 5/8"  | 1"3/16-12h      | 849011910             | 75,76  |
| 3/4"  | 1"3/16-12h      | 849011912             | 56,80  |
| 3/4"  | 1"7/16-12h      | 849012312             | 91,30  |
| 1"    | 1"7/16-12h      | 849012316             | 97,26  |
| 1"1/4 | 1" 11/16-12h    | 849012720             | 149,26 |
| 1"1/2 | 2"-12h          | 849013224             | 173,67 |
| 2"    | 2"-12h          | 849013232             | 309,64 |

### ORFS Male

Machos ORFS

Außengewinde ORFS

Mâle ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 849120904             | 33,90  |
| 5/16" | 11/16"-16h      | 849121105             | 32,79  |
| 3/8"  | 11/16"-16h      | 849121106             | 32,07  |
| 1/2"  | 13/16"-16h      | 849121308             | 40,10  |
| 5/8"  | 1"-14h          | 849121610             | 59,13  |
| 3/4"  | 1"3/16-12h      | 849121912             | 73,80  |
| 1"    | 1"7/16-12h      | 849122316             | 101,23 |
| 1"1/4 | 1" 11/16-12h    | 849122720             | 140,01 |
| 1"1/2 | 2"-12h          | 849123224             | 208,12 |

### ORFS Swivel female (90° Elbow)

Hembras giratorias 90° ORFS

Dichtkopf 90° ORFS - LOR

Coude 90° femelle ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 849070904             | 52,82  |
| 1/4"  | 11/16"-16h      | 849071104             | 66,87  |
| 5/16" | 11/16"-16h      | 849071105             | 65,35  |
| 3/8"  | 11/16"-16h      | 849071106             | 63,33  |
| 3/8"  | 13/16"-16h      | 849071306             | 70,02  |
| 1/2"  | 13/16"-16h      | 849071308             | 73,47  |
| 1/2"  | 1"-14h          | 849071608             | 105,37 |
| 5/8"  | 1"-14h          | 849071610             | 93,24  |
| 5/8"  | 1"3/16-12h      | 849071910             | 134,91 |
| 3/4"  | 1"3/16-12h      | 849071912             | 117,32 |
| 3/4"  | 1"7/16-12h      | 849072312             | 174,83 |
| 1"    | 1"7/16-12h      | 849072316             | 170,33 |
| 1"1/4 | 1" 11/16-12h    | 849072720             | 239,33 |
| 1"1/2 | 2"-12h          | 849073224             | 688,77 |

### ORFS Swivel female (45° Elbow)

Hembras giratorias 45° ORFS

Dichtkopf 45° ORFS - LOR

Coude 45° femelle ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 849080904             | 52,82  |
| 1/4"  | 11/16"-16h      | 849081104             | 66,87  |
| 5/16" | 11/16"-16h      | 849081105             | 65,35  |
| 3/8"  | 11/16"-16h      | 849081106             | 63,33  |
| 3/8"  | 13/16"-16h      | 849081306             | 70,02  |
| 1/2"  | 13/16"-16h      | 849081308             | 73,47  |
| 1/2"  | 1"-14h          | 849081608             | 105,37 |
| 5/8"  | 1"-14h          | 849081610             | 93,24  |
| 5/8"  | 1"3/16-12h      | 849081910             | 134,91 |
| 3/4"  | 1"3/16-12h      | 849081912             | 117,32 |
| 3/4"  | 1"7/16-12h      | 849082312             | 174,83 |
| 1"    | 1"7/16-12h      | 849082316             | 170,33 |
| 1"1/4 | 1" 11/16-12h    | 849082720             | 239,33 |
| 1"1/2 | 2"-12h          | 849083224             | 688,77 |

### Macho O'Ring Boss

Macho O'Ring Boss

Außengewinde O'Ring Boss

Mâle O'Ring Boss



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 7/16"-20h UNF   | 847120604             | 19,77 |
| 3/8" | 9/16"-18h UNF   | 847121006             | 20,83 |
| 1/2" | 3/4"-16h UNF    | 847121208             | 20,97 |
| 5/8" | 7/8"-14h UNF    | 847121610             | 26,08 |
| 3/4" | 1"1/16-12h UN   | 847122012             | 47,97 |
| 1"   | 1"5/16-12h UN   | 847122516             | 78,81 |

Fittings BW+ Series R13/R15 No Skive

Conexiones Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

Ferrules R13/R15 for fittings BW/BW+ series

Casquillos R13/R15 para serie BW/BW+

Pressfassungen R13/R15 für Armaturen Serie BW/  
BW+

Jupes R13/R15 pour embouts série BW/BW+



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1"1/4 | ZAC690102000          | 98,73  |
| 1"1/2 | ZAC690102400          | 115,48 |
| 2"    | ZAC690103200          | 194,60 |

BSP Swivel female 60° cone double hexagonal with o’ring

Hembras gir. rectas BSP cono 60° doble hexagonal  
c/J

Dichtkopf mit BSP Ü-Mutter 60° doppelt 6 kt mit  
O-Ring

Femelle tournante gaz cyl BSP 60° double  
hexagonale avec o’ring



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 BSP       | Z664102020            | 172,10 |
| 1"1/2 | 1"1/2 BSP       | Z664102424            | 228,65 |
| 2"    | 2" BSP          | Z664103232            | 466,50 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu’à la fin du stock

BSP Swivel female 60° cone with o’ring (90° Elbow)

Hembras giratorias 90° BSP cono 60° con junta

Dichtkopf mit BSP Ü-Mutter 60° 90° mit O-Ring

Coude 90° femelle tournante gaz cyl BSP 60° avec  
joint



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 BSP       | Z661172020            | 147,70 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu’à la fin du stock

BSP Swivel female 60° cone with o’ring (45° Elbow)

Hembras giratorias 45° BSP cono 60° con junta

Dichtkopf mit BSP 60° Ü-Mutter kon. 45° mit  
O-Ring

Hembras giratorias 45° BSP cono 60° avec o’ring



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 BSP       | Z661182020            | 147,70 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu’à la fin du stock

BSP Male 60° cone

Machos cilíndricos BSP 60°

Außengewinde zyl. BSP 60°

Mâle gaz cylindrique BSP 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 BSP       | Z661122020            | 102,76 |
| 1"1/2 | 1"1/2 BSP       | Z661122424            | 137,56 |
| 2"    | 2" BSP          | Z661123232            | 258,52 |

Double hexagonal BSP Swivel female cone 60° with o’ring wire nut

NEW

Hembras gir rectas BSP (60°) doble hex c/J tca eng.

Dichtkopf mit BSP 60° kon. doppelt 6 kt mit O-Ring  
Muffenmutter

Femelle BSP cône 60° double hexagonal avec joint  
torique écrou à douille



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 BSP       | Z665102020            | 125,04 |
| 1"1/2 | 1"1/2 BSP       | Z665102424            | 197,93 |
| 2"    | 2" BSP          | Z665103232            | 327,17 |

BSP 60° cone Swivel female (90° Elbow) with o’ring wire nut

NEW

Hembras gir 90° BSP (60°) c/j tca engargolada

Dichtkopf mit BSP 60° Ü-Mutter DKR 90° kon. mit  
O-Ring Muffenmutter

Coude 90° femelle gaz cylindrique BSP 60° avec  
joint torique écrou à jonc



| DN        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------|-----------------|-----------------------|--------|
| 1"1/4 BSP | 1"1/4 BSP       | Z665172020            | 164,56 |
| 1"1/2 BSP | 1"1/2 BSP       | Z665172424            | 226,15 |
| 2" BSP    | 2" BSP          | Z665173232            | 404,23 |

BSP 60° cone Swivel female (45° Elbow) with o’ring wire nut

NEW

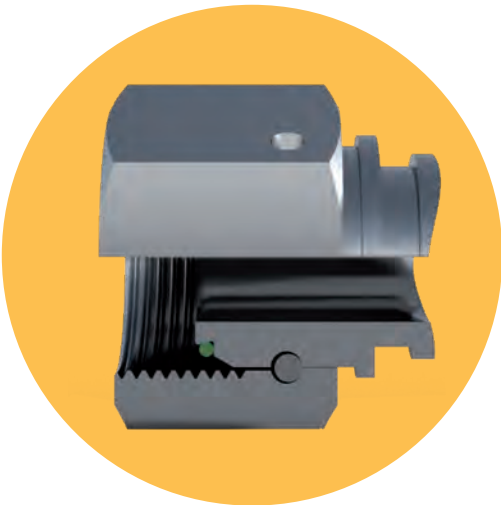
Hembras gir 45° BSP (60°) c/j tca engargolada

Dichtkopf mit BSP 60° Ü-Mutter DKR 45° kon. mit  
O-Ring Muffenmutter

Coude 45° femelle gaz cylindrique BSP 60° avec  
joint torique écrou à jonc



| DN        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------|-----------------|-----------------------|--------|
| 1"1/4 BSP | 1"1/4           | Z665182020            | 164,56 |
| 1"1/2 BSP | 1"1/2           | Z665182424            | 226,15 |
| 2" BSP    | 2"              | Z665183232            | 404,23 |



## Fittings BW+ Series R13/R15 No Skive

Conexiones Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

### Double hexagonal NPSM female 60° cone with o'ring

Hembras gir rectas NPSM (60°) doble hexagonal con junta

Dichtkopf mit NPSM Ü-Mutter 60° kon. doppelt 6 kt mit O-Ring

Femelle NPSM cône 60° double hexagonal avec joint torique



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 NPSM      | Z664612020            | 180,71 |
| 1"1/2 | 1"1/2 NPSM      | Z664612424            | 240,08 |
| 2"    | 2" NPSM         | Z664613232            | 394,31 |

### NPT Male pipe straight

Machos cónicos NPT

Außengewinde NPT

Mâle conique NPT



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"1/4 NPT       | Z661612020            | 95,79  |
| 1"1/2 | 1"1/2 NPT       | Z661612424            | 134,41 |
| 2"    | 2" NPT          | Z661613232            | 262,96 |

### Double Hexagonal JIC 37° Swivel female

Hembras giratorias rectas JIC 37° doble hexagonal

Dichtkonus mit Ü-Mutter JIC 37° doppelt 6 kt

Femelle JIC 37° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12h UN    | Z662422620            | 190,42 |
| 1"1/2 | 1"7/8 12h UN    | Z662423024            | 286,11 |
| 2"    | 2"1/2 12h UN    | Z662424032            | 425,62 |

### JIC 37° Swivel female (90° Elbow)

Hembras giratorias 90° JIC 37°

Dichtkonus mit Ü-Mutter 37° JIC 90°

Coude 90° femelle JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12h UN    | Z661382620            | 147,48 |
| 1"1/2 | 1"7/8 12h UN    | Z661383024            | 192,15 |
| 2"    | 2"1/2 12h UN    | Z661384032            | 391,92 |

### JIC 37° Swivel female (45° Elbow)

Hembras giratorias 45° JIC 37°

Dichtkonus mit Ü-Mutter 37° JIC 45°

Coude 45° femelle JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12h UN    | Z661392620            | 146,24 |
| 1"1/2 | 1"7/8 12h UN    | Z661393024            | 192,15 |
| 2"    | 2"1/2 12h UN    | Z661394032            | 391,92 |

### JIC 37° male with o'ring

Machos JIC 37° con junta

Außengewinde JIC 37° mit O-Ring

Mâle JIC 37° avec joint torique



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12h UNF   | Z661412620            | 98,98  |
| 1"1/2 | 1"7/8 12h UNF   | Z661413024            | 106,80 |
| 2"    | 2"1/2 12h UNF   | Z661414032            | 232,62 |

# Fittings BW+ Series R13/R15 No Skive

Conexiones Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

## ORFS Swivel female straight

Hembras giratorias rectas ORFS doble hexagonal

Dichtkopf mit Ü-Mutter ORFS doppelt 6 kt

Femelle droite ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|--------|-----------------|-----------------------|---------------|
| 1" 1/4 | 1"11/16-12h     | <b>Z669012720</b>     | <b>154,49</b> |
| 1" 1/2 | 2"-12h          | <b>Z669013224</b>     | <b>204,89</b> |

## ORFS Swivel female (90° Elbow)

Hembras giratorias 90° ORFS asiento plano

Dichtkopf mit Ü-Mutter ORFS 90° flachdichtend

Coude 90° femelle ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|--------|-----------------|-----------------------|---------------|
| 1" 1/4 | 1"11/16-12h     | <b>Z669072720</b>     | <b>363,91</b> |
| 1" 1/2 | 2"-12h          | <b>Z669073224</b>     | <b>841,83</b> |

## ORFS Swivel female (45° Elbow)

Hembras giratorias 45° ORFS asiento plano

Dichtkopf mit Ü-Mutter 45° ORFS flachdichtend

Coude 45° femelle ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|--------|-----------------|-----------------------|---------------|
| 1" 1/4 | 1"11/16-12h     | <b>Z669082720*</b>    | <b>363,91</b> |
| 1" 1/2 | 2"-12h          | <b>Z669083224</b>     | <b>841,83</b> |

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## ORFS Male

Machos ORFS

Außengewinde ORFS

Mâle ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|-----------------|-----------------------|---------------|
| 1"1/4 | 1"11/16-12h     | <b>Z669122720</b>     | <b>272,00</b> |
| 1"1/2 | 2"-12h          | <b>Z669123224</b>     | <b>400,31</b> |

## Metric swivel female 24° seat with o'ring

Hembras giratorias Métricas cono 24° con junta tórica

Dichtkopf mit Ü-Mutter kon. 24° DKO

Femelle Métrique 24° avec o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|--------------|-----------------|-----------------|-----------------------|---------------|
| 1"1/4 | 38           | S               | M52X2           | <b>Z66204523820</b>   | <b>108,21</b> |
| 1"1/2 | 38           | S               | M52X2           | <b>Z66204523824</b>   | <b>139,92</b> |

## Metric swivel female 24° seat with o'ring (90° Elbow)

Hembras giratorias 90° Métricas cono 24° con junta tórica

Dichtkegel mit Ü-Mutter kon. 24° DKO 90°

Coude 90° femelle Métrique 24° avec o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|--------------|-----------------|-----------------|-----------------------|---------------|
| 1"1/4 | 38           | S               | M52X2           | <b>Z66205523820</b>   | <b>182,25</b> |

## Metric swivel female 24° seat with o'ring (45° Elbow)

Hembras giratorias 45° Métricas cono 24° con junta tórica

Dichtkegel mit Ü-Mutter kon. 24° DKO 45°

Coude 45° femelle Métrique 24° avec o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|--------------|-----------------|-----------------|-----------------------|---------------|
| 1"1/4 | 38           | S               | M52X2           | <b>Z66206523820</b>   | <b>182,25</b> |

## Metric male stud 24° cone

Machos fijos Métricos cono 24°

Außengewinde metr. kon. 24°

Mâle Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|--------------|-----------------|-----------------|-----------------------|---------------|
| 1"1/4 | 38           | S               | M52x2           | <b>Z66203523820</b>   | <b>137,63</b> |

## Fittings BW+ Series R13/R15 No Skive

Conexiones Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

### 6000 PSI SAE Straight Flange / Code 62

Bridas recta SAE 6000 PSI

Gerader Flansch SAE 6000 PSI

Bride SAE droite série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1"1/4 | 54   | Z662822020            | 134,87 |
| 1"1/4 | 63.5 | Z662822420            | 169,23 |
| 1"1/2 | 63.5 | Z662822424            | 197,66 |
| 2"    | 54   | Z662822032            | 305,86 |
| 2"    | 79.4 | Z662823232            | 281,97 |

### 6000 PSI SAE Flange (90° Elbow) / Code 62

Bridas a 90° SAE 6000 PSI

Flansch 90° SAE 6000 PSI

Bride SAE coude 90° série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1"1/4 | 54   | Z662832020            | 179,82 |
| 1"1/4 | 63.5 | <b>NEW</b> Z662832420 | 367,21 |
| 1"1/2 | 63.5 | Z662832424            | 271,05 |
| 2"    | 79.4 | Z662833232            | 413,51 |

### 6000 PSI SAE Flange (45° Elbow) / Code 62

Bridas a 45° SAE 6000 PSI

Flansch 45° SAE 6000 PSI

Bride SAE coude 45° série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1"1/4 | 54   | Z662842020            | 179,82 |
| 1"1/2 | 63.5 | Z662842424            | 271,05 |
| 2"    | 79.4 | Z662843232            | 413,51 |



# Interlock series

Conexiones Interlock  
Armaturen Interlock  
Embouts Interlock

## Ferrules DIN 20023 - 4SH Interlock

Casquillos Interlock 4SH

Pressfassungen 4 SH DIN 20023/EN 856-4SH

Jupes à sertir DIN 20023 - 4SH Interlock



| DN    | MANGUERA<br>HOSE | Referencia<br>Part n° | €             |
|-------|------------------|-----------------------|---------------|
| 3/4"  | 4SH / R13 / R15  | <b>ZA610101200</b>    | <b>33,28</b>  |
| 1"    | 4SH / R13 / R15  | <b>ZA610101600</b>    | <b>51,80</b>  |
| 1"1/4 | 4SH              | <b>ZA610102000</b>    | <b>79,98</b>  |
| 1"1/2 | 4SH              | <b>ZA610102400</b>    | <b>104,46</b> |
| 2"    | 4SH              | <b>ZA610103200</b>    | <b>157,66</b> |

## Ferrules SAE 100 R13/R15 Interlock

Casquillos Interlock R13/R15

Pressfassungen SAE 100 R13/R15

Jupes à sertir R13/R15 Interlock



| DN     | Referencia<br>Part n° | €             |
|--------|-----------------------|---------------|
| 1" 1/4 | <b>Z610102000</b>     | <b>93,89</b>  |
| 1"1/2  | <b>Z610102400</b>     | <b>127,45</b> |
| 2"     | <b>Z610103200</b>     | <b>172,47</b> |

3/4" and 1" are the same ferrules as in 4SH / Para 3/4" y 1" son los mismos casquillos que en 4SH / Für 3/4" und 1" werden die gleichen Presshülsen wie für 4SH verwendet / 3/4" et 1" sont les mêmes jupes que pour 4SH

## BSP 60° cone Swivel female Interlock (90° Elbow) with o'ring

Hembras giratoria 90° BSP cono 60° con junta

Dichtkopf mit BSP 60° Ü-Mutter Interlock DKR 90°  
kon. mit O-Ring

Coude 90° femelle gaz cylindrique BSP 60°  
Interlock avec joint torique



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|-----------------|-----------------------|---------------|
| 1"1/4 | 1"1/4 BSP       | <b>Z641072020</b>     | <b>144,80</b> |
| 2"    | 2" BSP          | <b>Z641073232</b>     | <b>439,83</b> |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## BSP 60° cone Swivel female Interlock (45° Elbow) with o'ring

Hembras giratoria 45° BSP cono 60° con junta

Dichtkopf mit BSP 60° Ü-Mutter Interlock DKR 45°  
kon. mit O-Ring

Coude 45° femelle gaz cylindrique BSP 60°  
Interlock avec joint torique



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|------|-----------------|-----------------------|---------------|
| 3/4" | 3/4" BSP        | <b>Z641081212</b>     | <b>61,54</b>  |
| 2"   | 2" BSP          | <b>Z641083232</b>     | <b>439,83</b> |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## BSP 60° Male cone

Machos cilíndricos BSP cono 60°

BSP Einschraubzapfen zyl. DIN 3852 Form A AFR

Mâle gaz cylindrique BSP 60° Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|-----------------|-----------------------|---------------|
| 3/4"  | 3/4" BSP        | <b>Z641121212</b>     | <b>40,06</b>  |
| 1"    | 1" BSP          | <b>Z641121616</b>     | <b>74,11</b>  |
| 1"1/4 | 1"1/4 BSP       | <b>Z641122020</b>     | <b>110,40</b> |
| 1"1/2 | 1"1/2 BSP       | <b>Z641122424</b>     | <b>148,81</b> |
| 2"    | 2" BSP          | <b>Z641123232</b>     | <b>242,87</b> |

## NPT Male pipe straight Interlock

Machos cónicos NPT

Außengewinde NPT AGN Interlock

Mâle conique NPT Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|-----------------|-----------------------|---------------|
| 3/4"  | 3/4" NPT        | <b>Z641611212</b>     | <b>44,46</b>  |
| 1"    | 1" NPT          | <b>Z641611616</b>     | <b>61,10</b>  |
| 1"1/4 | 1"1/4 NPT       | <b>Z641612020</b>     | <b>124,87</b> |
| 1"1/2 | 1"1/2 NPT       | <b>Z641612424</b>     | <b>156,01</b> |
| 2"    | 2" NPT          | <b>Z641613232</b>     | <b>247,93</b> |

## Interlock series

Conexiones Interlock  
Armaturen Interlock  
Embouts Interlock

### BSP 60° cone Swivel female Interlock with o'ring wire nut

Hembras gir rectas BSP (60°) con junta (tca engargolada)

Dichtkopf mit BSP Ü-Mutter Interlock DKR mit O-Ring Muffenmutter

Femelle droite gaz cylindrique BSP 60° Interlock avec joint torique écrou à jonc



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 3/4"  | 3/4" BSP     | Z645001212         | 40,55  |
| 1"    | 1" BSP       | Z645001616         | 56,17  |
| 1"1/4 | 1"1/4 BSP    | Z645002020         | 81,89  |
| 1"1/2 | 1"1/2 BSP    | Z645002424         | 98,61  |
| 2"    | 2" BSP       | Z645003232         | 170,15 |

### BSP 60° cone Swivel female Interlock (90° Elbow) with o'ring wire nut

Hembras gir 90° BSP (60°) con junta (tca engargolada)

Dichtkopf mit BSP 60° Ü-Mutter Interlock DKR 90° kon. mit O-Ring Muffenmutter

Coude 90° femelle gaz cylindrique BSP 60° Interlock avec joint torique écrou à jonc



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 3/4"  | 3/4" BSP     | Z645071212         | 63,62  |
| 1"    | 1" BSP       | Z645071616         | 102,91 |
| 1"1/4 | 1"1/4 BSP    | Z645072020         | 147,26 |
| 1"1/2 | 1"1/2 BSP    | Z645072424         | 238,56 |
| 2"    | 2" BSP       | Z645073232         | 456,74 |

### BSP 60° cone Swivel female Interlock (45° Elbow) with o'ring wire nut

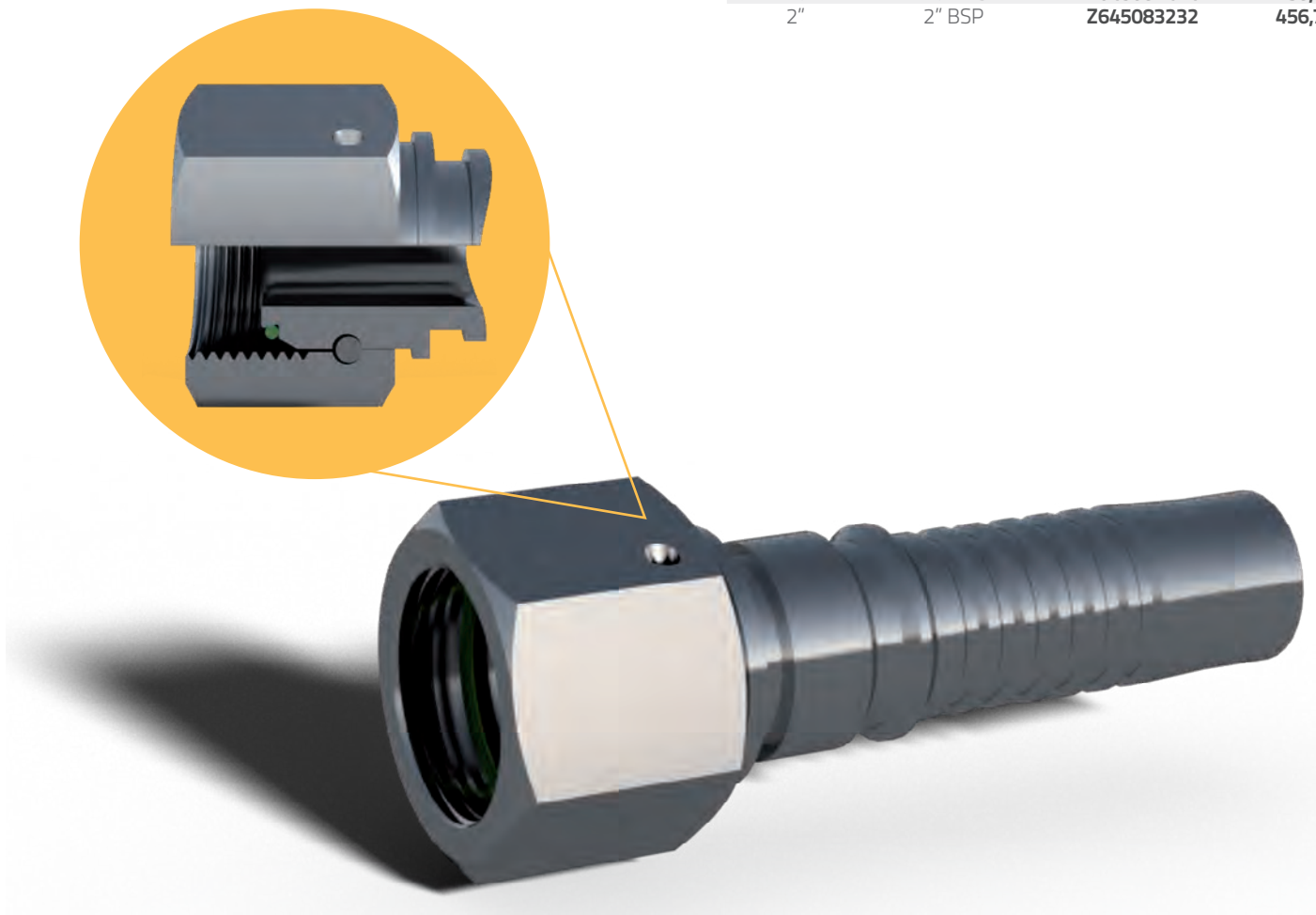
Hembras gir 45° BSP (60°) con junta (tca engargolada)

Dichtkopf mit BSP 60° Ü-Mutter Interlock DKR 45° kon. mit O-Ring Muffenmutter

Coude 45° femelle gaz cylindrique BSP 60° Interlock avec joint torique écrou à jonc



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 3/4"  | 3/4" BSP     | Z645081212         | 63,62  |
| 1"    | 1" BSP       | Z645081616         | 102,91 |
| 1"1/4 | 1"1/4 BSP    | Z645082020         | 147,26 |
| 1"1/2 | 1"1/2 BSP    | Z645082424         | 238,56 |
| 2"    | 2" BSP       | Z645083232         | 456,74 |



## Interlock series

Conexiones Interlock

Armaturen Interlock

Embouts Interlock

### Double hexagonal JIC 37° Swivel female

Hembras giratorias JIC 37° doble hexagonal Interlock

Dichtkonus einteilig Ü-Mutter 37° JIC doppelt 6 kt Interlock

Femelle JIC 37° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"1/16 12h UN   | Z642421712            | 48,30  |
| 1"    | 1"5/16 12h UN   | Z642422116            | 74,64  |
| 1"1/4 | 1"5/8 12h UN    | Z642422620            | 176,23 |
| 1"1/2 | 1"7/8 12h UN    | Z642423024            | 269,22 |
| 2"    | 2"1/2 12h UN    | Z642424032            | 396,50 |

### JIC 37° Swivel female Interlock

Hembras giratorias rectas JIC 37° Interlock

Dichtkonus mit Ü-Mutter JIC 37° Interlock

Femelle tourn.droite JIC 37° Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"1/16 12h UN   | Z641421712            | 42,87  |
| 1"    | 1"5/16 12h UN   | Z641422116            | 50,68  |
| 1"1/4 | 1"5/8 12h UN    | Z641422620            | 85,01  |
| 1"1/4 | 1"7/8 12h UN    | Z641423020            | 113,01 |
| 1"1/2 | 1"7/8 12h UN    | Z641423024            | 124,99 |
| 2"    | 2"1/2 12h UN    | Z641424032            | 215,57 |

### JIC 37° male Interlock

Machos JIC 37° Interlock

Außengewinde JIC 37°

Mâle JIC 37° Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"1/16 12h UN   | Z641401712            | 61,18  |
| 1"    | 1"5/16 12h UN   | Z641402116            | 104,32 |
| 1"1/4 | 1"5/8 12h UN    | Z641402620            | 115,45 |
| 1"1/2 | 1"7/8 12h UN    | Z641403024            | 122,38 |
| 2"    | 2"1/2 12h UN    | Z641404032            | 255,39 |

### JIC 37° Swivel female Interlock (90° Elbow)

Hembras giratorias 90° JIC 37° Interlock

JIC 37° Dichtkonus 90° DKJ 90° interlock

Coude 90° femelle tournante JIC 37° Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"1/16 12h UN   | Z641381712            | 61,33  |
| 1"    | 1"5/16 12h UN   | Z641382116            | 108,05 |
| 1"1/4 | 1"5/8 12h UN    | Z641382620            | 149,58 |
| 1"1/2 | 1"7/8 12h UN    | Z641383024            | 242,00 |
| 2"    | 2"1/2 12h UN    | Z641384032            | 477,73 |

### JIC 37° Swivel female Interlock (45° Elbow)

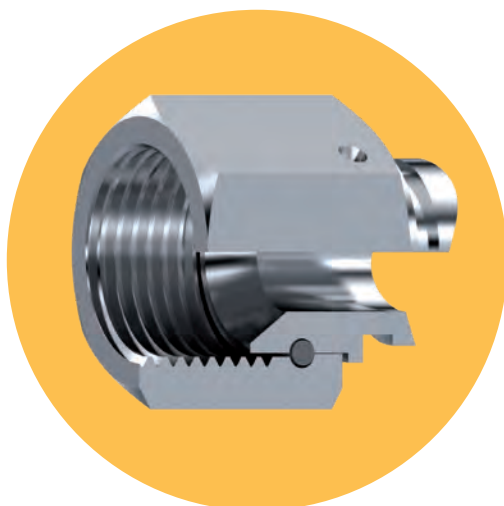
Hembras giratorias 45° JIC 37° Interlock

Dichtkonus JIC 37° 45° DKJ 45° Interlock

Coude 45° femelle tournante JIC 37° Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"1/16 12h UN   | Z641391712            | 61,33  |
| 1"    | 1"5/16 12h UN   | Z641392116            | 107,87 |
| 1"1/4 | 1"5/8 12h UN    | Z641392620            | 149,58 |
| 1"1/2 | 1"7/8 12h UN    | Z641393024            | 242,00 |
| 2"    | 2"1/2 12h UN    | Z641394032            | 477,73 |



Bajo Consulta  
On Request

## Interlock series

Conexiones Interlock

Armaturen Interlock

Embouts Interlock

### Metric swivel female 24° seat serie S Interlock with o'ring

Hembras gir rectas Métricas 24° Interlock con junta tórica

Dichtkegel mit Ü-Mutter O-Ring DIN 20078 Interlock

Femelle droite Métrique 24° Interlock avec o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/4"  | 20           | S               | M30x2           | Z64204302012          | 49,80  |
| 3/4"  | 25           | S               | M36x2           | Z64204362512          | 65,56  |
| 1"    | 30           | S               | M42x2           | Z64204423016          | 82,45  |
| 1"1/4 | 38           | S               | M52x2           | Z64204523820          | 121,87 |
| 1"1/2 | 38           | S               | M52x2           | Z64204523824          | 147,69 |

### Metric swivel female 24° seat serie S Interlock with o'ring (90° Elbow)

Hembras 90° Métricas cono 24° Interlock con junta tórica

Dichtkegel mit Ü-Mutter O-Ring DIN 20078 90° Interlock

Coude 90° femelle Métrique 24° Interlock avec o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/4"  | 20           | S               | M30x2           | Z64205302012          | 66,40  |
| 3/4"  | 25           | S               | M36x2           | Z64205362512          | 106,91 |
| 1"    | 30           | S               | M42x2           | Z64205423016          | 142,27 |
| 1"1/4 | 38           | S               | M52x2           | Z64205523820          | 194,53 |
| 1"1/2 | 38           | S               | M52x2           | Z64205523824          | 264,93 |

### Metric swivel female 24° seat serie S Interlock with o'ring (45° Elbow)

Hembras 45° Métricas cono 24° Interlock con junta tórica

Dichtkegel mit Ü-Mutter O-Ring DIN 20078 45° Interlock

Coude 45° femelle Métrique 24° Interlock avec o'ring



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/4"  | 20           | S               | M30x2           | Z64206302012          | 66,40  |
| 3/4"  | 25           | S               | M36x2           | Z64206362512          | 106,91 |
| 1"    | 30           | S               | M42x2           | Z64206423016          | 142,27 |
| 1"1/4 | 38           | S               | M52x2           | Z64206523820          | 194,53 |

### Metric male stud 24° cone serie S Interlock

Machos Métricos cono 24° Interlock

Gewindezapfen DIN 20078 Interlock

Mâle Métrique cône 24° Interlock



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/4"  | 20           | S               | M30x2           | Z64203302012          | 52,32  |
| 3/4"  | 25           | S               | M36x2           | Z64203362512          | 80,12  |
| 1"    | 30           | S               | M42x2           | Z64203423016          | 113,89 |
| 1"1/4 | 38           | S               | M52x2           | Z64203523820          | 144,83 |

### Interlock ORFS Swivel female straight

Hembras giratorias rectas ORFS Interlock

Dichtkopf mit ORFS Ü-Mutter - Interlock

Femelle droite ORFS Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"3/16-12h      | Z649011912            | 67,28  |
| 1"    | 1"7/16-12h      | Z649012316            | 122,59 |
| 1"1/4 | 1"11/16-12h     | Z649012720            | 157,21 |
| 1"1/2 | 2"-12h          | Z649013224            | 250,04 |

### Interlock ORFS Male

Machos ORFS Interlock

Außengewinde ORFS Interlock

Mâle ORFS Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"3/16-12h      | Z649121912            | 117,47 |
| 1"    | 1"7/16-12h      | Z649122316            | 174,58 |
| 1"1/4 | 1"11/16-12h     | Z649122720            | 241,47 |
| 1"1/2 | 2"-12h          | Z649123224            | 358,95 |

### Interlock ORFS Swivel female (90° Elbow)

Hembras giratorias 90° ORFS Interlock

Dichtkopf 90° ORFS Interlock

Coude 90° femelle ORFS Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"3/16-12h      | Z649071912            | 189,23 |
| 1"    | 1"7/16-12h      | Z649072316            | 274,75 |
| 1"1/4 | 1"11/16-12h     | Z649072720            | 385,24 |
| 1"1/2 | 2"-12h          | Z649073224            | 857,13 |

### Interlock ORFS Swivel female (45° Elbow)

Hembras giratorias 45° ORFS Interlock

Dichtkopf 45° ORFS Interlock

Coude 45° femelle ORFS Interlock



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/4"  | 1"3/16-12h      | Z649081912            | 189,23 |
| 12    | 1"7/16-12h      | Z649082316            | 274,75 |
| 1"1/4 | 1"11/16-12h     | Z649082720            | 385,24 |
| 1"1/2 | 2"-12h          | Z649083224            | 857,13 |

# Interlock series

Conexiones Interlock  
Armaturen Interlock  
Embouts Interlock

## 3000 PSI SAE Straight Flange Interlock / Code 61

Bridas rectas SAE 3000 PSI Interlock

Gerader Flansch SAE 3000 PSI Interlock

Bride SAE droite série 3000 PSI Interlock



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 3/4"  | 38.1 | Z641821212            | 71,63  |
| 3/4"  | 44.5 | Z641821612            | 84,04  |
| 1"    | 44.5 | Z641821616            | 87,82  |
| 1"    | 50.8 | Z641822016            | 102,57 |
| 1"1/4 | 50.8 | Z641822020            | 112,62 |
| 1"1/4 | 60.3 | Z641822420            | 170,51 |
| 1"1/2 | 60.3 | Z641822424            | 168,35 |
| 1"1/2 | 71.4 | Z641823224            | 298,74 |
| 2"    | 71.4 | Z641823232            | 300,24 |

## 3000 PSI SAE Flange Interlock (90° Elbow) / Code 61

Bridas 90° SAE 3000 PSI Interlock

Flansch 90° SAE 3000 PSI Interlock

Coude 90° bride SAE série 3000 PSI Interlock



| DN    | Ø     | Referencia<br>Part n° | €      |
|-------|-------|-----------------------|--------|
| 3/4"  | 38,1  | Z641831212            | 79,17  |
| 3/4"  | 44,45 | Z641831612            | 111,66 |
| 1"    | 44,45 | Z641831616            | 126,82 |
| 1"    | 50,8  | Z641832016            | 169,22 |
| 1"1/4 | 50,8  | Z641832020            | 174,70 |
| 1"1/4 | 60,33 | Z641832420            | 242,20 |
| 1"1/2 | 60.3  | Z641832424            | 264,24 |
| 1"1/2 | 71.4  | Z641833224            | 404,07 |
| 2"    | 71,4  | Z641833232            | 391,73 |

## 3000 PSI SAE Flange Interlock (45° Elbow) / Code 61

Bridas 45° SAE 3000 PSI Interlock

Flansch 45° SAE 3000 PSI Interlock

Coude 45° bride SAE série 3000 PSI Interlock



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 3/4"  | 38,1 | Z641841212            | 79,17  |
| 3/4"  | 44,5 | Z641841612            | 111,66 |
| 1"    | 44,5 | Z641841616            | 126,82 |
| 1"    | 50,8 | Z641842016            | 169,22 |
| 1"1/4 | 50,8 | Z641842020            | 174,70 |
| 1"1/4 | 60,3 | Z641842420            | 242,20 |
| 1"1/2 | 60.3 | Z641842424            | 264,24 |
| 2"    | 71.4 | Z641843224            | 404,07 |
| 2"    | 71.4 | Z641843232            | 391,73 |

## 6000 PSI SAE Straight Flange Interlock / Code 62

Bridas Rectas SAE 6000 PSI Interlock

Gerader Flansch SAE 6000 PSI Interlock

Bride SAE droite série 6000 PSI Interlock



| DN    | Ø     | Referencia<br>Part n° | €      |
|-------|-------|-----------------------|--------|
| 3/4"  | 41,3  | Z642821212            | 72,75  |
| 3/4"  | 47,63 | Z642821612            | 101,73 |
| 1"    | 47,63 | Z642821616            | 106,45 |
| 1"    | 53,98 | Z642822016            | 139,23 |
| 1"1/4 | 54    | Z642822020            | 127,43 |
| 1"1/4 | 63,5  | Z642822420            | 180,32 |
| 1"1/2 | 63,5  | Z642822424            | 174,32 |
| 1"1/2 | 79,38 | Z642823224            | 304,25 |
| 2"    | 79,38 | Z642823232            | 315,67 |

## 6000 PSI SAE Flange Interlock (90° Elbow) / Code 62

Bridas 90° SAE 6000 PSI Interlock

Flansch 90° SAE 6000 PSI Interlock

Coude 90° bride SAE série 6000 PSI Interlock



| DN    | Ø     | Referencia<br>Part n° | €      |
|-------|-------|-----------------------|--------|
| 3/4"  | 41,3  | Z642831212            | 104,24 |
| 3/4"  | 47,65 | Z642831612            | 127,51 |
| 1"    | 47,65 | Z642831616            | 151,06 |
| 1"    | 54    | Z642832016            | 180,90 |
| 1"1/4 | 54    | Z642832020            | 192,21 |
| 1"1/4 | 63,5  | Z642832420            | 261,86 |
| 1"1/2 | 63,5  | Z642832424            | 300,83 |
| 1"1/2 | 79,4  | Z642833224            | 440,03 |
| 2"    | 79,4  | Z642833232            | 416,04 |

## 6000 PSI SAE Flange Interlock (45° Elbow) / Code 62

Bridas 45° SAE 6000 PSI Interlock

Flansch 45° SAE 6000 PSI Interlock

Coude 45° bride SAE série 6000 PSI Interlock



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 3/4"  | 41,3 | Z642841212            | 104,24 |
| 3/4"  | 47,6 | Z642841612            | 127,51 |
| 1"    | 47,6 | Z642841616            | 151,06 |
| 1"    | 54   | Z642842016            | 180,90 |
| 1"1/4 | 54   | Z642842020            | 192,21 |
| 1"1/4 | 63,5 | Z642842420            | 261,86 |
| 1"1/2 | 63,5 | Z642842424            | 300,83 |
| 1"1/2 | 79,4 | Z642843224            | 440,03 |
| 2"    | 79,4 | Z642843232            | 416,04 |

## Ferrules for one piece fittings

Casquillos para conexiones una sola pieza

Pressfassungen für einteilige Armaturen

Jupes pour embouts pré-sertis

### Ferrules R1AT/R2AT/1SN/2SN/R16/2SC/R17 for one piece fittings 43 series

Casquillos R1AT/R2AT/1SN/2SN /R16/2SC/R17 serie 43

Pressfassungen R1AT/R2AT/1SN/2SN/R16/2SC/ R17 für einteilige Armaturen Serie 43

Jupes R1AT/R2AT/1SN/2SN/R16/2SC/R17 pour embouts pré-sertis série 43



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1/4"  | ZPFC221200400         | 10,47  |
| 5/16" | ZPFC221200500         | 14,17  |
| 3/8"  | ZPFC221200600         | 12,33  |
| 1/2"  | ZPFC221200800         | 14,33  |
| 5/8"  | ZPFC221201000         | 17,63  |
| 3/4"  | ZPFC221201200         | 24,80  |
| 1"    | ZPFC221201600         | 42,67  |
| 1"1/4 | ZPFC221202000         | 75,19  |
| 1"1/2 | ZPFC221202400         | 93,15  |
| 2"    | ZPFC221203200         | 139,02 |

### Ferrules 3SP/4SP/R12/4SH standard series non skive

Casquillos 3SP/4SP/R12/4SH serie standard no pelar

Pressfassungen 3SP/4SP/R12/4SH Armaturen ohne Schälung

Jupes 3SP/4SP/R12/4SH série standard sans dénudage



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 3/8"  | ZPF222400600          | 14,14  |
| 1/2"  | ZPF222400800          | 16,20  |
| 5/8"  | ZPF222401000          | 25,57  |
| 3/4"  | ZPF222401200          | 24,43  |
| 1"    | ZPF222401600          | 40,61  |
| 1"1/4 | ZPF222402000          | 66,69  |
| 1"1/2 | ZPF222402400          | 102,75 |
| 2"    | ZPF222403200          | 142,61 |

### Ferrules R7, R8 and braid of steel wire for one piece fittings

Casquillos R7, R8 y elastómero malla metálica una sola pieza

Pressfassungen R7/R8 und Elastomer/Metallumfl. für einteilige Armaturen

Jupes R7, R8 et elastomère tresse métallique pour embouts pré-sertis



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 3/16" | 880120300             | 7,80  |
| 1/4"  | 880120400             | 8,50  |
| 5/16" | 880120500             | 9,86  |
| 3/8"  | 880120600             | 10,56 |
| 1/2"  | 880120800             | 11,92 |
| 5/8"  | 880121000             | 17,89 |
| 3/4"  | 880121200             | 17,69 |
| 1"    | 880121600             | 30,15 |

### Ferrules smooth PTFE for one piece fittings

Casquillos PTFE Liso una sola pieza

Pressfassungen für PTFE-Glattschläuche mit einteiligen Armaturen

Jupes PTFE Lisse pour embouts pré-sertis



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | 880400400             | 5,75  |
| 5/16" | 880400500             | 7,20  |
| 3/8"  | 880400600             | 6,78  |
| 1/2"  | 880400800             | 8,29  |
| 5/8"  | 880401000             | 17,31 |

### Ferrules convoluted PTFE for one piece fittings

Casquillos PTFE Corrugado una sola pieza

Pressfassungen für PTFE-Wellschläuche mit einteiligen Armaturen

Jupes PTFE Convoluté pour embouts pré-sertis



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | 880410400             | 6,55  |
| 5/16" | 880410500             | 7,40  |
| 3/8"  | 880410600             | 7,00  |
| 1/2"  | 880410800             | 9,24  |
| 5/8"  | 880411000             | 13,57 |
| 3/4"  | 880411200             | 15,94 |

### Ferrules 1SC/1SN/2SC/R6

Casquillos 1SC/1SN/2SC/R6

Pressfassungen 1SC/1SN/2SC/R6

Jupes 1SC/1SN/2SC/R6



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | ZSCC21120400          | 9,88  |
| 5/16" | ZSCC21120500          | 11,98 |
| 3/8"  | ZSCC21120600          | 12,28 |
| 1/2"  | ZSCC21120800          | 14,13 |
| 5/8"  | ZSCC21121000          | 20,41 |
| 3/4"  | ZSCC21121200          | 28,82 |
| 1"    | ZSCC21121600          | 40,56 |

### Ferrules R13/R15 for fittings BW/BW+ series

Casquillos R13/R15 para serie BW/BW+

Pressfassungen R13/R15 für Armaturen Serie BW/ BW+

Jupes R13/R15 pour embouts série BW/BW+



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1"1/4 | ZAC690102000          | 98,73  |
| 1"1/2 | ZAC690102400          | 115,48 |
| 2"    | ZAC690103200          | 194,60 |



# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece double hexagonal JIC 37° Swivel female

Hembras giratorias rectas una sola pieza JIC 37°  
doble hexagonal

Dichtkopf mit Ü-Mutter einteilig JIC 37° doppelt  
6 kt

Femelle pré-sertie JIC 37° double hexagonal



## One piece JIC 37° male

Machos una sola pieza rosca JIC 37°

Außengewinde einteilig JIC 37°

Mâle pré-serti JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 882420704             | 26,82  |
| 1/4"  | 1/2" 20h UNF    | 882420804             | 32,68  |
| 1/4"  | 9/16" 18h UNF   | 882420904             | 34,97  |
| 3/8"  | 9/16" 18h UNF   | 882420906             | 31,20  |
| 5/16" | 1/2" 20h UNF    | 882420805             | 41,52  |
| 3/8"  | 3/4" 16h UNF    | 882421206             | 36,07  |
| 1/2"  | 3/4" 16h UNF    | 882421208             | 36,03  |
| 5/8"  | 3/4" 16h UNF    | NEW 882421210         | 48,44  |
| 3/4"  | 3/4" 16h UNF    | 882421212             | 70,21  |
| 1/2"  | 7/8" 14h UNF    | 882421408             | 46,52  |
| 5/8"  | 7/8" 14h UNF    | 882421410             | 52,61  |
| 5/8"  | 1"1/16 12h UN   | 882421710             | 59,98  |
| 3/4"  | 1"1/16 12h UN   | 882421712             | 61,41  |
| 1"    | 1"1/16 12h UN   | 882421716             | 101,26 |
| 3/4"  | 1"5/16 12h UN   | 882422112             | 88,12  |
| 1"    | 1"5/16 12h UN   | 882422116             | 99,02  |
| 1"1/4 | 1"5/8 12h UN    | 882422620             | 182,85 |
| 1"1/2 | 1"7/8 12h UN    | 882423024             | 233,68 |
| 2"    | 2"1/2 12h UN    | 882424032             | 436,20 |

| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 881400704             | 28,81  |
| 3/8"  | 9/16" 18h UNF   | 881400906             | 37,36  |
| 1/2"  | 3/4" 16h UNF    | 881401208             | 37,42  |
| 3/8"  | 7/8" 14h UNF    | 881401406             | 41,10  |
| 1/2"  | 7/8" 14h UNF    | 881401408             | 36,16  |
| 5/8"  | 7/8" 14h UNF    | 881401410             | 47,80  |
| 5/8"  | 1"1/16 12h UN   | 881401710             | 57,20  |
| 3/4"  | 1"1/16 12h UN   | 881401712             | 63,68  |
| 1"    | 1"1/16 12h UN   | 881401716             | 90,04  |
| 3/4"  | 1"5/16 12h UN   | 881402112             | 83,25  |
| 1"    | 1"5/16 12h UN   | 881402116             | 101,14 |
| 1"1/4 | 1"5/8 12h UN    | 881402620             | 179,19 |
| 1"1/2 | 1"7/8 12h UN    | 881403024             | 212,72 |
| 2"    | 2"1/2 12h UN    | 881404032             | 412,12 |

## One piece JIC 37° Swivel female

Hembras giratorias rectas una sola pieza JIC 37°

Dichtkopf mit Ü-Mutter einteilig JIC 37°

Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 881420704             | 23,79  |
| 1/4"  | 1/2" 20h UNF    | 881420804             | 25,04  |
| 5/16" | 1/2" 20h UNF    | 881420805             | 32,26  |
| 1/4"  | 9/16" 18h UNF   | 881420904             | 26,88  |
| 5/16" | 9/16" 18h UNF   | 881420905             | 29,36  |
| 3/8"  | 9/16" 18h UNF   | 881420906             | 27,14  |
| 3/8"  | 3/4" 16h UNF    | 881421206             | 31,72  |
| 1/2"  | 3/4" 16h UNF    | 881421208             | 33,01  |
| 1/2"  | 7/8" 14h UNF    | 881421408             | 34,59  |
| 5/8"  | 7/8" 14h UNF    | 881421410             | 41,58  |
| 1/2"  | 1"1/16 12h UN   | 881421708             | 51,70  |
| 5/8"  | 1"1/16 12h UN   | 881421710             | 50,35  |
| 3/4"  | 1"1/16 12h UN   | 881421712             | 52,91  |
| 1"    | 1"1/16 12h UN   | 881421716             | 94,57  |
| 3/4"  | 1"5/16 12h UN   | 881422112             | 68,69  |
| 1"    | 1"5/16 12h UN   | 881422116             | 86,63  |
| 5/8"  | 1"5/8 12h UN    | 881422616             | 118,87 |
| 1"1/4 | 1"5/8 12h UN    | 881422620             | 151,72 |
| 1"1/2 | 1"7/8 12h UN    | 881423024             | 198,52 |
| 2"    | 2"1/2 12h UN    | 881424032             | 343,76 |

## One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

### One piece JIC 37° Swivel female (90° Elbow)

Hembras giratorias 90° una sola pieza JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 90°

Coude 90° femelle pré-sertie JIC 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 7/16" 20h UNF   | 881380704             | 31,17  |
| 5/16"  | 1/2" 20h UNF    | 881380805             | 49,19  |
| 1/4"   | 9/16" 18h UNF   | 881380904             | 45,49  |
| 5/16"  | 9/16" 18h UNF   | NEW 881380905         | 41,37  |
| 3/8"   | 9/16" 18h UNF   | 881380906             | 38,27  |
| 3/8"   | 3/4" 16h UNF    | 881381206             | 46,89  |
| 1/2"   | 3/4" 16h UNF    | 881381208             | 45,13  |
| 1/2"   | 7/8" 14h UNF    | 881381408             | 47,70  |
| 5/8"   | 7/8" 14h UNF    | 881381410             | 58,81  |
| 5/8"   | 1"1/16 12h UN   | NEW 881381710         | 73,95  |
| 3/4"   | 1"1/16 12h UN   | 881381712             | 78,81  |
| 3/4"   | 1"5/16 12h UN   | 881382112             | 113,63 |
| 1"     | 1"5/16 12h UN   | 881382116             | 127,17 |
| 1"1/4" | 1"5/8 12h UN    | 881382620             | 212,95 |
| 1"1/2" | 1"7/8 12h UN    | 881383024             | 311,31 |
| 2"     | 2"1/2 12h UN    | 881384032             | 608,84 |

### One piece JIC 37° Swivel female (45° Elbow)

Hembras giratorias 45° una sola pieza JIC 37°

Dichtkopf JIC 37° einteilig 45°

Coude 45° femelle pré-sertie JIC 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 7/16" 20h UNF   | 881390704             | 31,49  |
| 1/4"   | 9/16" 18h UNF   | 881390904             | 45,49  |
| 3/8"   | 9/16" 18h UNF   | 881390906             | 38,27  |
| 3/8"   | 3/4" 16h UNF    | 881391206             | 46,89  |
| 1/2"   | 3/4" 16h UNF    | 881391208             | 45,13  |
| 1/2"   | 7/8" 14h UNF    | 881391408             | 47,70  |
| 5/8"   | 7/8" 14h UNF    | 881391410             | 58,81  |
| 3/4"   | 1"1/16 12h UN   | 881391712             | 78,81  |
| 1"     | 1"5/16 12h UN   | 881392116             | 127,17 |
| 1"1/4" | 1"5/8 12h UN    | 881392620             | 212,95 |
| 1"1/2" | 1"7/8 12h UN    | 881393024             | 311,31 |
| 2"     | 2"1/2 12h UN    | 881394032             | 608,84 |

# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece double hexagonal ORFS Swivel female

Hembras giratorias rectas una sola pieza ORFS doble hexagonal

Dichtkopf mit ORFS einteilig Ü-Mutter doppelt 6 kt

Femelle pré-sertie ORFS double hexagonal



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 9/16"-18h       | 889000904             | 40,83  |
| 1/4"   | 11/16"-16h      | 889001104             | 51,61  |
| 3/8"   | 11/16"-16h      | 889001106             | 46,17  |
| 3/8"   | 13/16"-16h      | 889001306             | 55,37  |
| 1/2"   | 13/16"-16h      | 889001308             | 52,58  |
| 1/2"   | 1"-14h          | 889001608             | 88,62  |
| 5/8"   | 1"-14h          | 889001610             | 75,39  |
| 1/2"   | 1" 3/16-12h     | 889001908             | 100,36 |
| 5/8"   | 1" 3/16-12h     | 889001910             | 97,92  |
| 3/4"   | 1" 3/16-12h     | 889001912             | 85,66  |
| 3/4"   | 1" 7/16-12h     | 889002312             | 121,54 |
| 1"     | 1" 7/16-12h     | 889002316             | 146,32 |
| 1" 1/4 | 1" 11/16-12h    | 889002720             | 235,28 |
| 1" 1/2 | 2"-12h          | 889003224             | 279,35 |

## One piece ORFS Swivel female (90° Elbow)

Hembras giratorias 90° una sola pieza ORFS

Dichtkopf 90° ORFS einteilig

Coude 90° femelle pré-sertie ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 9/16"-18h       | 889070904             | 66,62  |
| 1/4"   | 11/16"-16h      | 889071104             | 81,23  |
| 3/8"   | 11/16"-16h      | 889071106             | 79,49  |
| 3/8"   | 13/16"-16"      | 889071306             | 86,45  |
| 1/2"   | 13/16"-16h      | 889071308             | 92,11  |
| 1/2"   | 1"-14h          | 889071608             | 125,29 |
| 5/8"   | 1"-14h          | 889071610             | 116,10 |
| 3/4"   | 1" 3/16-12h     | 889071912             | 148,59 |
| 3/4"   | 1-7/16-12h      | 889072312             | 208,40 |
| 1"     | 1" 7/16-12h     | 889072316             | 222,32 |
| 1" 1/4 | 1" 11/16-12h    | 889072720             | 328,95 |
| 1" 1/2 | 2"-12h          | 889073224             | 815,05 |

## One piece ORFS male

Machos una sola pieza ORFS

Außengewinde ORFS

Mâle pré-serti ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 9/16"-18h       | 889120904             | 46,95  |
| 3/8"   | 11/16"-16h      | 889121106             | 46,98  |
| 1/2"   | 13/16"-16h      | 889121308             | 57,41  |
| 5/8"   | 1"-14h          | 889121610             | 80,62  |
| 3/4"   | 1" 3/16-12h     | 889121912             | 103,33 |
| 1"     | 1" 7/16-12h     | 889122316             | 150,45 |
| 1" 1/4 | 1" 11/16-12h    | 889122720             | 225,65 |
| 1" 1/2 | 2"-12h          | 889123224             | 315,18 |

## One piece ORFS Swivel female (45° Elbow)

Hembras giratorias 45° una sola pieza ORFS

Dichtkopf 45° ORFS einteilig

Coude 45° femelle pré-sertie ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 9/16"-18h       | 889080904             | 66,62  |
| 1/4"   | 11/16"-16h      | 889081104             | 81,23  |
| 3/8"   | 11/16"-16h      | 889081106             | 79,49  |
| 3/8"   | 13/16"-16h      | 889081306             | 86,45  |
| 1/2"   | 13/16"-16h      | 889081308             | 92,11  |
| 1/2"   | 1"-14h          | 889081608             | 125,29 |
| 5/8"   | 1"-14h          | 889081610             | 116,10 |
| 3/4"   | 1" 3/16-12h     | 889081912             | 148,59 |
| 3/4"   | 1" 7/16-12h     | 889082312             | 208,40 |
| 1"     | 1" 7/16-12h     | 889082316             | 222,32 |
| 1" 1/4 | 1" 11/16-12h    | 889082720             | 328,95 |
| 1" 1/2 | 2"-12h          | 889083224             | 815,05 |

# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece double hexagonal NPSM Swivel female 60° cone

Hembras gir rectas una sola pieza rosca NPSM (60°) doble hex

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. doppelt 6 kt

Femelle pré-sertie NPSM cône 60° double hexagonal



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 883610404             | 37,74  |
| 3/8" | 3/8" 18h NPSM      | 883610606             | 40,43  |
| 1/2" | 1/2" 14h NPSM      | 883610808             | 47,43  |
| 3/4" | 3/4" 14h NPSM      | 883611212             | 73,46  |
| 1"   | 1" - 11 1/2 h NPSM | 883611616             | 118,87 |

## One piece NPSM Swivel female 60° cone

Hembras giratorias rectas una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon.

Femelle pré-sertie NPSM cône 60°



| DN     | ROSCA<br>THREAD        | Referencia<br>Part n° | €      |
|--------|------------------------|-----------------------|--------|
| 1/4"   | 1/4" 18h NPSM          | 882610404             | 26,90  |
| 3/8"   | 3/8" 18h NPSM          | 882610606             | 29,56  |
| 1/2"   | 1/2" 14h NPSM          | 882610808             | 38,39  |
| 3/4"   | 3/4" 14h NPSM          | 882611212             | 59,32  |
| 1"     | 1" - 11 1/2 h NPSM     | 882611616             | 96,90  |
| 1 1/4" | 1 1/4" - 11 1/2 h NPSM | 882612020             | 177,23 |

## One piece NPSM Swivel female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° kon. 90° einteilig

Coude 90° femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 882620404             | 36,76  |
| 3/8" | 3/8" 18h NPSM      | 882620606             | 42,71  |
| 1/2" | 1/2" 14h NPSM      | 882620808             | 56,54  |
| 3/4" | 3/4" 14h NPSM      | 882621212             | 85,89  |
| 1"   | 1" - 11 1/2 h NPSM | 882621616             | 132,78 |

## One piece NPSM Swivel female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° CON. 45° einteilig kon.

Coude 45° femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 882630404             | 36,77  |
| 3/8" | 3/8" 18h NPSM      | 882630606             | 42,71  |
| 1/2" | 1/2" 14h NPSM      | 882630808             | 56,54  |
| 3/4" | 3/4" 14h NPSM      | 882631212             | 85,89  |
| 1"   | 1" - 11 1/2 h NPSM | 882631616             | 132,78 |

## One piece NPT male pipe straight

Machos una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle pré-serti NPT



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 1/8" NPT        | 881610204             | 29,79  |
| 1/4"   | 1/4" NPT        | 881610404             | 23,72  |
| 3/8"   | 1/4" NPT        | 881610406             | 33,96  |
| 1/4"   | 3/8" NPT        | 881610604             | 31,87  |
| 3/8"   | 3/8" NPT        | 881610606             | 27,17  |
| 1/2"   | 3/8" NPT        | 881610608             | 40,73  |
| 1/4"   | 1/2" NPT        | 881610804             | 44,49  |
| 3/8"   | 1/2" NPT        | 881610806             | 40,35  |
| 1/2"   | 1/2" NPT        | 881610808             | 33,80  |
| 5/8"   | 1/2" NPT        | 881610810             | 43,46  |
| 3/4"   | 1/2" NPT        | 881610812             | 60,51  |
| 1/2"   | 3/4" NPT        | 881611208             | 53,16  |
| 5/8"   | 3/4" NPT        | 881611210             | 55,90  |
| 3/4"   | 3/4" NPT        | 881611212             | 55,24  |
| 3/4"   | 1" NPT          | 881611612             | 82,38  |
| 1"     | 1" NPT          | 881611616             | 92,33  |
| 1 1/4" | 1 1/4" NPT      | 881612020             | 166,93 |
| 1 1/2" | 1 1/2" NPT      | 881612424             | 199,77 |
| 2"     | 2" NPT          | 881613232             | 327,03 |

## One piece NPT swivel male

Machos giratorios una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle tournant pré-serti NPT



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 1/4" NPT        | 881650404             | 55,93  |
| 3/8" | 3/8" NPT        | 881650606             | 58,67  |
| 3/8" | 1/2" NPT        | 881650806             | 84,25  |
| 1/2" | 1/2" NPT        | 881650808             | 64,88  |
| 1/2" | 3/4" NPT        | 881651208             | 99,70  |
| 3/4" | 3/4" NPT        | 881651212             | 96,90  |
| 1"   | 1" NPT          | 881651616             | 149,33 |

# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Embouts pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece 3000 PSI SAE Straight Flange / Code 61

Bridas rectas una sola pieza SAE 3000 PSI

Gerader Kompaktflansch SAE 3000 PSI

Bride SAE droite pré-sertie série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30.2 | 881820808             | 55,37  |
| 1/2"  | 38.1 | 881821208             | 81,94  |
| 3/4"  | 38.1 | 881821212             | 82,47  |
| 3/4"  | 44.5 | 881821612             | 108,36 |
| 1"    | 44.5 | 881821616             | 116,55 |
| 1"    | 50.8 | 881822016             | 152,46 |
| 1"1/4 | 50.8 | 881822020             | 178,51 |
| 1"1/4 | 60.3 | 881822420             | 245,95 |
| 1"1/2 | 60.3 | 881822424             | 225,79 |
| 1"1/2 | 71.4 | 881823224             | 358,32 |
| 2"    | 71.4 | 881823232             | 369,42 |

## One piece 3000 PSI SAE Flange (90° Elbow)/ Code 61

Bridas 90° una sola pieza SAE 3000 PSI

Kompaktflansch 90° SAE 3000 PSI

Bride SAE coude 90° pré-sertie série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30.2 | 881830808             | 74,62  |
| 1/2"  | 38.1 | 881831208             | 92,62  |
| 3/4"  | 38.1 | 881831212             | 109,40 |
| 3/4"  | 44.5 | 881831612             | 166,56 |
| 1"    | 44.5 | 881831616             | 153,68 |
| 1"    | 50.8 | 881832016             | 213,55 |
| 1"1/4 | 50.8 | 881832020             | 258,95 |
| 1"1/4 | 60.3 | 881832420             | 327,54 |
| 1"1/2 | 60.3 | 881832424             | 328,85 |
| 1"1/2 | 71.4 | 881833224             | 471,19 |
| 2"    | 71.4 | 881833232             | 537,77 |

## One piece 3000 PSI SAE Flange (45° Elbow)/ Code 61

Bridas 45° una sola pieza SAE 3000 PSI

Kompaktflansch 45° SAE 3000 PSI

Bride SAE coude 45° pré-sertie série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30.2 | 881840808             | 74,62  |
| 1/2"  | 38.1 | 881841208             | 92,62  |
| 3/4"  | 38.1 | 881841212             | 109,40 |
| 3/4"  | 44.5 | 881841612             | 166,56 |
| 1"    | 44.5 | 881841616             | 153,68 |
| 1"    | 50.8 | 881842016             | 213,54 |
| 1"1/4 | 50.8 | 881842020             | 258,95 |
| 1"1/4 | 60.3 | 881842420             | 327,54 |
| 1"1/2 | 60.3 | 881842424             | 328,85 |
| 2"    | 71.4 | 881843232             | 537,77 |

## One piece 6000 PSI SAE Straight Flange / Code 62

Bridas rectas una sola pieza SAE 6000 PSI

Gerader Kompaktflansch SAE 6000 PSI

Bride SAE droite pré-sertie série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31.8 | 882820808             | 62,35  |
| 3/4"  | 41.3 | 882821212             | 90,33  |
| 1"    | 47.6 | 882821616             | 127,45 |
| 1"1/4 | 54   | 882822020             | 195,00 |
| 1"1/2 | 63.5 | 882822424             | 285,98 |
| 2"    | 79.4 | 882823232             | 498,27 |

## One piece 6000 PSI SAE Flange (90° Elbow)/ Code 62

Bridas 90° una sola pieza SAE 6000 PSI

Kompaktflansch 90° SAE 6000 PSI

Bride SAE coude 90° pré-sertie série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31.8 | 882830808             | 78,11  |
| 3/4"  | 41.3 | 882831212             | 123,64 |
| 1"    | 47.6 | 882831616             | 175,89 |
| 1"1/4 | 54   | 882832020             | 266,33 |
| 1"1/2 | 63.5 | 882832424             | 423,20 |
| 2"    | 79.4 | 882833232             | 611,09 |

## One piece 6000 PSI SAE Flange (45° Elbow)/ Code 62

Bridas 45° una sola pieza SAE 6000 PSI

Kompaktflansch 45° SAE 6000 PSI

Bride SAE coude 45° pré-sertie série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31.8 | 882840808             | 78,11  |
| 3/4"  | 41.3 | 882841212             | 123,64 |
| 1"    | 47.6 | 882841616             | 175,89 |
| 1"1/4 | 54   | 882842020             | 266,33 |
| 1"1/2 | 63.5 | 882842424             | 423,20 |
| 2"    | 79.4 | 882843232             | 611,08 |

# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece Metric female cone 24°

Hembras gir rectas una sola pieza rosca Métrica cono 24° - DKO

Dichtkopf metr. einteilig Ü-Mutter kon. 24°

Femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 6            | L               | M12x1.5         | 88804120604           | 24,29  |
| 1/4"  | 8            | L               | M14x1.5         | 88804140804           | 23,04  |
| 1/4"  | 10           | L               | M16x1.5         | 88804161004           | 24,75  |
| 3/8"  | 10           | L               | M16x1.5         | 88804161006           | 28,83  |
| 5/16" | 10           | L               | M16x1.5         | 88804161005           | 28,44  |
| 1/4"  | 12           | L               | M18x1.5         | 88804181204           | 30,44  |
| 3/8"  | 12           | L               | M18x1.5         | 88804181206           | 27,67  |
| 1/2"  | 12           | L               | M18x1.5         | 88804181208           | 43,98  |
| 3/8"  | 15           | L               | M22x1.5         | 88804221506           | 33,41  |
| 1/2"  | 15           | L               | M22x1.5         | 88804221508           | 34,67  |
| 1/2"  | 18           | L               | M26x1.5         | 88804261808           | 44,00  |
| 5/8"  | 18           | L               | M26x1.5         | 88804261810           | 45,33  |
| 3/4"  | 18           | L               | M26x1.5         | 88804261812           | 72,26  |
| 3/4"  | 22           | L               | M30x2           | 88804302212           | 58,62  |
| 1"    | 28           | L               | M36x2           | 88804362816           | 95,94  |
| 1"1/4 | 35           | L               | M45x2           | 88804453520           | 151,78 |
| 1"1/4 | 42           | L               | M52x2           | 88804524220           | 219,82 |
| 1"1/2 | 42           | L               | M52x2           | 88804524224           | 206,46 |
| 1/4"  | 8            | S               | M16x1.5         | 88804160804           | 24,86  |
| 1/4"  | 10           | S               | M18x1.5         | 88804181004           | 27,14  |
| 1/4"  | 12           | S               | M20x1.5         | 88804201204           | 41,61  |
| 3/8"  | 12           | S               | M20x1.5         | 88804201206           | 30,60  |
| 1/2"  | 12           | S               | M20x1.5         | 88804201208           | 44,02  |
| 3/8"  | 16           | S               | M24x1.5         | 88804241606           | 38,77  |
| 1/2"  | 16           | S               | M24x1.5         | 88804241608           | 34,84  |
| 5/8"  | 20           | S               | M30x2           | 88804302010           | 48,57  |
| 3/4"  | 20           | S               | M30x2           | 88804302012           | 66,38  |
| 3/4"  | 25           | S               | M36x2           | 88804362512           | 79,33  |
| 1"    | 25           | S               | M36x2           | 88804362516           | 112,72 |
| 1"    | 30           | S               | M42x2           | 88804423016           | 115,84 |
| 1"1/4 | 38           | S               | M52x2           | 88804523820           | 198,69 |

## One piece Metric male cone 24°

Machos una sola pieza rosca Métrica cono 24°

Außengewinde einteilig metr. kon. 24°

Mâle pré-serti Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-------|-----------------|-----------------------|--------|
| 1/4"  | 6            | L     | M12x1.5         | 88203120604           | 29,16  |
| 1/4"  | 8            | L     | M14x1.5         | 88203140804           | 26,86  |
| 5/16" | 10           | L     | M16x1.5         | 88203161005           | 35,39  |
| 3/8"  | 10           | L     | M16x1.5         | 88203161006           | 32,43  |
| 3/8"  | 12           | L     | M18x1.5         | 88203181206           | 26,03  |
| 1/2"  | 15           | L     | M22x1.5         | 88203221508           | 34,72  |
| 1/2"  | 18           | L     | M26x1.5         | 88203261808           | 46,18  |
| 5/8"  | 18           | L     | M26x1.5         | 88203261810           | 44,77  |
| 3/4"  | 22           | L     | M30x2           | 88203302212           | 64,39  |
| 1"    | 28           | L     | M36x2           | 88203362816           | 101,56 |
| 1"1/4 | 35           | L     | M45x2           | 88203453520           | 175,99 |
| 1"1/2 | 42           | L     | M52x2           | 88203524224           | 242,77 |
| 1/4"  | 8            | S     | M16x1.5         | 88203160804           | 32,87  |
| 1/4"  | 10           | S     | M18x1.5         | 88203181004           | 35,56  |
| 3/8"  | 12           | S     | M20x1.5         | 88203201206           | 35,03  |
| 1/2"  | 16           | S     | M24x1.5         | 88203241608           | 37,89  |
| 5/8"  | 20           | S     | M30x2           | 88203302010           | 54,79  |
| 3/4"  | 20           | S     | M30x2           | 88203302012           | 72,76  |
| 3/4"  | 25           | S     | M36x2           | 88203362512           | 87,62  |
| 1"    | 25           | S     | M36x2           | 88203362516           | 115,33 |
| 1"    | 30           | S     | M42x2           | 88203423016           | 141,07 |
| 1"1/4 | 38           | S     | M52x2           | 88203523820           | 227,47 |



# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece Metric female cone 24° (90° Elbow)

Hembras gir 90° una sola pieza Métricas cono 24°  
- DKO 90°

Dichtkegel mit Ü-Mutter 90° Bogen einteilig

Coude 90° femelle pré-sertie Métrique cône 24°



## One piece Metric female cone 24° (45° Elbow)

Hembras gir 45° una sola pieza Métricas cono 24°  
- DKO 45°

Dichtkegel mit Ü-Mutter 45° Bogen einteilig

Coude 45° femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 6            | L               | M12x1.5         | 88305120604           | 33,00  |
| 1/4"  | 8            | L               | M14x1.5         | 88305140804           | 31,97  |
| 1/4"  | 10           | L               | M16x1.5         | 88305161004           | 35,47  |
| 5/16" | 10           | L               | M16x1.5         | 88305161005           | 41,02  |
| 3/8"  | 10           | L               | M16x1.5         | 88305161006           | 39,78  |
| 1/4"  | 12           | L               | M18x1.5         | 88305181204           | 44,26  |
| 3/8"  | 12           | L               | M18x1.5         | 88305181206           | 37,82  |
| 1/2"  | 15           | L               | M22x1.5         | 88305221508           | 46,20  |
| 5/8"  | 18           | L               | M26x1.5         | 88305261810           | 62,94  |
| 3/4"  | 22           | L               | M30x2           | 88305302212           | 84,98  |
| 1"    | 28           | L               | M36x2           | 88305362816           | 132,57 |
| 1"1/4 | 35           | L               | M45x2           | 88305453520           | 224,88 |
| 1"1/2 | 42           | L               | M52x2           | 88305524224           | 327,05 |
| 1/4"  | 8            | S               | M16x1.5         | 88305160804           | 36,33  |
| 1/4"  | 10           | S               | M18x1.5         | 88305181004           | 36,87  |
| 1/4"  | 12           | S               | M20x1.5         | 88305201204           | 45,18  |
| 5/16" | 12           | S               | M20x1.5         | 88305201205           | 50,84  |
| 3/8"  | 12           | S               | M20x1.5         | 88305201206           | 42,74  |
| 1/2"  | 16           | S               | M24x1.5         | 88305241608           | 48,86  |
| 5/8"  | 20           | S               | M30x2           | 88305302010           | 72,16  |
| 3/4"  | 20           | S               | M30x2           | 88305302012           | 88,18  |
| 3/4"  | 25           | S               | M36x2           | 88305362512           | 112,44 |
| 1"    | 25           | S               | M36x2           | 88305362516           | 149,68 |
| 1"    | 30           | S               | M42x2           | 88305423016           | 172,06 |
| 1"1/4 | 38           | S               | M52x2           | 88305523820           | 296,54 |

| DN    | TUBO<br>PIPE | SERIE | ROSCA<br>THREAD          | Referencia<br>Part n° | €      |
|-------|--------------|-------|--------------------------|-----------------------|--------|
| 1/4"  | 6            | L     | M12x1.5                  | 88306120604           | 33,00  |
| 1/4"  | 8            | L     | M14x1.5                  | 88306140804           | 31,97  |
| 1/4"  | 10           | L     | M16x1.5                  | 88306161004           | 35,47  |
| 5/16" | 10           | L     | M16x1.5                  | 88306161005           | 41,02  |
| 3/8"  | 10           | L     | M16x1.5                  | 88306161006           | 39,78  |
| 3/8"  | 12           | L     | M18x1.5                  | 88306181206           | 37,82  |
| 3/8"  | 15           | L     | M22x1.5 <span>NEW</span> | 88306221506           | 53,23  |
| 1/2"  | 15           | L     | M22x1.5                  | 88306221508           | 46,20  |
| 1/2"  | 18           | L     | M26x1.5                  | 88306261808           | 62,33  |
| 5/8"  | 18           | L     | M26x1.5                  | 88306261810           | 62,94  |
| 3/4"  | 22           | L     | M30x2                    | 88306302212           | 84,98  |
| 1"    | 28           | L     | M36x2                    | 88306362816           | 132,57 |
| 1"1/4 | 35           | L     | M45x2                    | 88306453520           | 224,88 |
| 1"1/2 | 42           | L     | M52x2                    | 88306524224           | 327,05 |
| 1/4"  | 8            | S     | M16x1.5                  | 88306160804           | 36,33  |
| 1/4"  | 10           | S     | M18x1.5                  | 88306181004           | 36,87  |
| 1/4"  | 12           | S     | M20x1.5                  | 88306201204           | 45,18  |
| 3/8"  | 10           | S     | M18x1.5                  | 88306181006           | 47,63  |
| 3/8"  | 12           | S     | M20x1.5                  | 88306201206           | 42,74  |
| 3/8"  | 14           | S     | M22x1.5                  | 88306221406           | 53,48  |
| 1/2"  | 16           | S     | M24x1.5                  | 88306241608           | 48,86  |
| 5/8"  | 20           | S     | M30x2                    | 88306302010           | 72,16  |
| 3/4"  | 20           | S     | M30x2                    | 88306302012           | 88,18  |
| 3/4"  | 25           | S     | M36x2                    | 88306362512           | 112,44 |
| 1"    | 25           | S     | M36x2                    | 88306362516           | 149,68 |
| 1"    | 30           | S     | M42x2                    | 88306423016           | 172,06 |
| 1"1/4 | 38           | S     | M52x2                    | 88306523820           | 296,54 |

# One piece fittings 43 Series R1AT/R2AT/1SN/2SN/R16/2SC/R17

Conexiones una sola pieza Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Einteilige Armaturen Serie 43 R1AT/R2AT/1SN/2SN/R16/2SC/R17

Emboutis pré-sertis R1AT/R2AT/1SN/2SN/R16/2SC/R17 Série 43

## One piece double hexagonal BSP female 60° cone

Hembras giratorias rectas una sola pieza rosca BSP (60°) doble hex

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon. doppelt 6 kt

Femelle pré-sertie BSP cône 60° double hexagonal



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1/4"  | 1/4" BSP     | 884000404          | 32,50  |
| 5/16" | 3/8" BSP     | 884000605          | 40,05  |
| 3/8"  | 3/8" BSP     | 884000606          | 36,62  |
| 1/2"  | 1/2" BSP     | 884000808          | 39,39  |
| 3/4"  | 3/4" BSP     | 884001212          | 72,17  |
| 1"    | 1" BSP       | 884001616          | 106,57 |
| 1"1/4 | 1"1/4 BSP    | 884002020          | 171,83 |
| 1"1/2 | 1"1/2 BSP    | 884002424          | 242,25 |
| 2"    | 2" BSP       | 884003232          | 403,76 |

## One piece BSP female 60° cone

Hembras giratorias rectas una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon.

Femelle pré-sertie BSP cône 60°



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1/4"  | 1/4" BSP     | 881000404          | 22,13  |
| 1/4"  | 3/8" BSP     | 881000604          | 26,54  |
| 5/16" | 3/8" BSP     | 881000605          | 30,17  |
| 3/8"  | 3/8" BSP     | 881000606          | 26,59  |
| 1/2"  | 3/8" BSP     | 881000608          | 31,44  |
| 3/8"  | 1/2" BSP     | 881000806          | 30,96  |
| 1/2"  | 1/2" BSP     | 881000808          | 31,68  |
| 5/8"  | 1/2" BSP     | 881000810          | 43,49  |
| 5/8"  | 5/8" BSP     | 881001010          | 52,46  |
| 1/2"  | 3/4" BSP     | 881001208          | 44,74  |
| 5/8"  | 3/4" BSP     | 881001210          | 45,76  |
| 3/4"  | 3/4" BSP     | 881001212          | 52,54  |
| 3/4"  | 1" BSP       | 881001612          | 69,60  |
| 1"    | 1" BSP       | 881001616          | 86,67  |
| 1"1/4 | 1"1/4 BSP    | 881002020          | 152,70 |
| 1"1/2 | 1"1/2 BSP    | 881002424          | 185,36 |
| 2"    | 2" BSP       | 881003232          | 306,92 |

## One piece BSP female flat seat

Hembras giratorias rectas compactas rosca BSP asiento plano

Dichtkopf mit Ü-Mutter einteilig BSP flachdichtend

Femelle pré-sertie BSP fond plat



| DN   | ROSCA THREAD | Referencia Part n° | €     |
|------|--------------|--------------------|-------|
| 1/4" | 1/4" BSP     | 882000404          | 24,36 |
| 3/8" | 3/8" BSP     | 882000606          | 28,12 |
| 1/2" | 1/2" BSP     | 882000808          | 34,33 |
| 3/4" | 3/4" BSP     | 882001212          | 54,68 |
| 1"   | 1" BSP       | 882001616          | 91,13 |

## One piece BSP female cone 60° (90° Elbow)

Hembras giratorias 90° una sola pieza rosca BSP cono 60°

Dichtkopf BSP Ü-Mutter einteilig 60° kon. 90°

Coude 90° femelle pré-sertie BSP cône 60°



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1/4"  | 1/4" BSP     | 881070404          | 30,11  |
| 1/4"  | 3/8" BSP     | 881070604          | 38,13  |
| 3/8"  | 3/8" BSP     | 881070606          | 35,47  |
| 1/2"  | 3/8" BSP     | 881070608          | 65,29  |
| 3/8"  | 1/2" BSP     | 881070806          | 49,16  |
| 1/2"  | 1/2" BSP     | 881070808          | 42,60  |
| 5/8"  | 5/8" BSP     | 881071010          | 76,85  |
| 5/8"  | 3/4" BSP     | 881071210          | 71,77  |
| 3/4"  | 3/4" BSP     | 881071212          | 76,86  |
| 3/4"  | 1" BSP       | 881071612          | 100,75 |
| 1"    | 1" BSP       | 881071616          | 123,87 |
| 1"1/4 | 1"1/4 BSP    | 881072020          | 214,84 |
| 1"1/2 | 1"1/2 BSP    | 881072424          | 304,55 |
| 2"    | 2" BSP       | 881073232          | 529,19 |

## One piece BSP female cone 60° (45° Elbow)

Hembras giratorias 45° una sola pieza rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter 60° einteilig 45° kon.

Coude 45° femelle pré-sertie BSP cône 60°



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1/4"  | 1/4" BSP     | 881080404          | 30,11  |
| 3/8"  | 3/8" BSP     | 881080606          | 35,47  |
| 3/8"  | 1/2" BSP     | 881080806          | 49,16  |
| 1/2"  | 1/2" BSP     | 881080808          | 42,61  |
| 3/4"  | 3/4" BSP     | 881081212          | 76,85  |
| 1"    | 1" BSP       | 881081616          | 123,87 |
| 1"1/4 | 1"1/4 BSP    | 881082020          | 214,84 |
| 1"1/2 | 1"1/2 BSP    | 881082424          | 304,55 |
| 2"    | 2" BSP       | 881083232          | 529,19 |

## One piece BSP male 60° cone

Machos una sola pieza rosca cilíndrica BSP cono 60°

Außengewinde zyl. einteilig kon. BSP 60°

Mâle pré-serti BSP cône 60°



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1/4"  | 1/4" BSP     | 881120404          | 24,67  |
| 3/8"  | 3/8" BSP     | 881120606          | 28,66  |
| 3/8"  | 1/2" BSP     | 881120806          | 35,78  |
| 1/2"  | 1/2" BSP     | 881120808          | 35,94  |
| 5/8"  | 3/4" BSP     | NEW 881121210      | 59,11  |
| 3/4"  | 3/4" BSP     | 881121212          | 56,29  |
| 3/4"  | 1" BSP       | 881121612          | 85,55  |
| 1"    | 1" BSP       | 881121616          | 103,35 |
| 1"1/4 | 1"1/4 BSP    | 881122020          | 180,93 |
| 1"1/2 | 1"1/2 BSP    | 881122424          | 216,55 |
| 2"    | 2" BSP       | 881123232          | 346,84 |

# One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar  
Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung  
Emboutis pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

## R13 & R15 Ø 3/4" - 1"

### One piece double hexagonal JIC 37° Swivel female

Hembras giratorias rectas una sola pieza JIC 37°  
doble hexagonal  
Dichtkopf mit Ü-Mutter einteilig JIC 37° doppelt  
6 kt

Femelle pré-sertie JIC 37° double hexagonal



### One piece JIC 37° Swivel female

Hembras giratorias rectas una sola pieza JIC 37°

Dichtkopf mit Ü-Mutter einteilig JIC 37°

Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 9/16" 18h UNF   | Z582420906            | 34,35  |
| 1/2"  | 3/4" 16h UNF    | Z582421208            | 39,43  |
| 1/2"  | 7/8" 14h UNF    | Z582421408            | 50,32  |
| 5/8"  | 7/8" 14h UNF    | Z582421410            | 63,20  |
| 3/4"  | 1"1/16 12h UN   | Z582421712            | 63,38  |
| 1"    | 1"1/16 12h UN   | Z582421716            | 102,93 |
| 1"    | 1"5/16 12h UN   | Z582422116            | 100,60 |
| 1"1/4 | 1"5/8 12h UN    | Z582422620            | 180,72 |
| 1"1/2 | 1"7/8 12 UN     | Z582423024            | 253,02 |
| 2"    | 2"1/2 12h UN    | Z582424032            | 456,84 |

| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 9/16" 18h UNF   | Z581420906            | 30,13  |
| 1/2"  | 3/4" 16h UNF    | Z581421208            | 36,29  |
| 5/8"  | 7/8" 14h UNF    | Z581421410            | 51,75  |
| 3/4"  | 1"1/16 12h UN   | Z581421712            | 54,55  |
| 1"    | 1"5/16 12h UN   | Z581422116            | 87,74  |
| 1"    | 1"5/8 12h UN    | Z581422616            | 121,21 |
| 1"1/4 | 1"5/8 12h UN    | Z581422620            | 148,39 |
| 1"1/2 | 1"7/8 12 UN     | Z581423024            | 216,51 |
| 2"    | 2"1/2 12h UN    | Z581424032            | 360,86 |

### One piece JIC 37° Swivel female (90° Elbow)

Hembras giratorias 90° una sola pieza JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 90°

Coude 90° femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 9/16" 18h UNF   | Z581380906            | 41,69  |
| 1/2"  | 3/4" 16h UNF    | Z581381208            | 48,88  |
| 5/8"  | 7/8" 14h UNF    | Z581381410            | 69,64  |
| 3/4"  | 1"1/16 12h UN   | Z581381712            | 81,44  |
| 1"    | 1"5/16 12h UN   | Z581382116            | 129,84 |
| 1"1/4 | 1"5/8 12h UN    | Z581382620            | 211,97 |
| 1"1/2 | 1"7/8 12 UN     | Z581383024            | 333,65 |
| 2"    | 2"1/2 12h UN    | Z581384032            | 636,13 |

### One piece JIC 37° Swivel female (45° Elbow)

Hembras giratorias 45° una sola pieza JIC 37°

Dichtkopf JIC 37° einteilig 45°

Coude 45° femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 9/16" 18h UNF   | Z581390906            | 41,69  |
| 1/2"  | 3/4" 16h UNF    | Z581391208            | 48,88  |
| 5/8"  | 7/8" 14h UNF    | Z581391410            | 69,64  |
| 3/4"  | 1"1/16 12h UN   | Z581391712            | 81,45  |
| 1"    | 1"5/16 12h UN   | Z581392116            | 129,84 |
| 1"1/4 | 1"5/8 12h UN    | Z581392620            | 211,97 |
| 1"1/2 | 1"7/8 12 UN     | Z581393024            | 333,65 |
| 2"    | 2"1/2 12h UN    | Z581394032            | 636,13 |

### One piece JIC 37° male

Machos una sola pieza rosca JIC 37°

Außengewinde einteilig JIC 37°

Mâle pré-serti JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 9/16" 18h UNF   | Z581400906            | 40,74  |
| 1/2"  | 3/4" 16h UNF    | Z581401208            | 40,88  |
| 5/8"  | 7/8" 14h UNF    | Z581401410            | 58,21  |
| 3/4"  | 1"1/16 12h UN   | Z581401712            | 65,73  |
| 1"    | 1"5/16 12h UN   | Z581402116            | 102,80 |
| 1"1/4 | 1"5/8 12h UN    | Z581402620            | 176,91 |
| 1"1/2 | 1"7/8 12 UN     | Z581403024            | 231,26 |
| 2"    | 2"1/2 12h UN    | Z581404032            | 431,84 |

# One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar  
Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung  
Embouts pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

## R13 & R15 Ø 3/4" - 1"

### One piece double hexagonal ORFS Swivel female

Hembras giratorias rectas una sola pieza ORFS  
doble hexagonal

Dichtkopf mit ORFS einteilig Ü-Mutter doppelt 6 kt

Femelle pré-sertie ORFS double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 11/16" 16h UN   | Z589001106            | 49,89  |
| 1/2"  | 13/16" 16h UN   | Z589001308            | 56,61  |
| 5/8"  | 1" 14h UNS      | Z589001610            | 86,86  |
| 3/4"  | 1"3/16 12h UN   | Z589001912            | 88,56  |
| 1"    | 1"7/16 12h UN   | Z589002316            | 149,72 |
| 1"1/4 | 1"11/16 12h UN  | Z589002720            | 235,15 |
| 1"1/2 | 2" 12h UN       | Z589003224            | 300,46 |

### One piece ORFS Swivel female (90° Elbow)

Hembras giratorias 90° una sola pieza ORFS

Dichtkopf 90° ORFS einteilig

Coude 90° femelle pré-sertie ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 11/16" 16h UN   | Z589071106            | 84,49  |
| 1/2"  | 13/16" 16h UN   | Z589071308            | 97,67  |
| 5/8"  | 1" 14h UNS      | Z589071610            | 129,13 |
| 3/4"  | 1"3/16 12h UN   | Z589071912            | 153,91 |
| 1"    | 1"7/16 12h UN   | Z589072316            | 228,64 |
| 1"1/4 | 1"11/16 12h UN  | Z589072720            | 332,43 |
| 1"1/2 | 2" 12h UN       | Z589073224            | 856,76 |

### One piece ORFS male

Machos una sola pieza ORFS

Außengewinde ORFS

Mâle pré-serti ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 11/16" 16h UN   | Z589121106            | 50,73  |
| 1/2"  | 13/16" 16h UN   | Z589121308            | 61,63  |
| 5/8"  | 1" 14h UNS      | Z589121610            | 92,29  |
| 3/4"  | 1"3/16 12h UN   | Z589121912            | 106,91 |
| 1"    | 1"7/16 12h UN   | Z589122316            | 154,01 |
| 1"1/4 | 1"11/16 12h UN  | Z589122720            | 225,16 |
| 1"1/2 | 2" 12h UN       | Z589123224            | 337,66 |

### One piece ORFS Swivel female (45° Elbow)

Hembras giratorias 45° una sola pieza ORFS

Dichtkopf 45° ORFS einteilig

Coude 45° femelle pré-sertie ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 11/16" 16h UN   | Z589081106            | 84,49  |
| 1/2"  | 13/16" 16h UN   | Z589081308            | 97,67  |
| 5/8"  | 1" 14h UNS      | Z589081610            | 129,14 |
| 3/4"  | 1"3/16 12h UN   | Z589081912            | 153,91 |
| 1"    | 1"7/16 12h UN   | Z589082316            | 228,64 |
| 1"1/4 | 1"11/16 12h UN  | Z589082720            | 332,43 |
| 1"1/2 | 2" 12h UN       | Z589083224            | 856,76 |

# One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar  
Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung  
Embouts pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

## R13 & R15 Ø 3/4" - 1"

### One piece double hexagonal NPSM Swivel female 60° cone

Hembras giratorias rectas una sola pieza NPSM (60°) doble hex

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. doppelt 6 kt

Femelle pré-sertie NPSM cône 60° double hexagonal



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 3/8" | 3/8" NPSM       | Z583610606            | 43,93  |
| 1/2" | 1/2" NPSM       | Z583610808            | 51,27  |
| 3/4" | 3/4" NPSM       | Z583611212            | 75,89  |
| 1"   | 1" NPSM         | Z583611616            | 121,21 |

### One piece NPSM Swivel female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° kon. 90° einteilig

Coude 90° femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 3/8" | 3/8" NPSM       | Z582620606            | 46,30  |
| 1/2" | 1/2" NPSM       | Z582620808            | 60,73  |
| 3/4" | 3/4" NPSM       | Z582621212            | 88,79  |
| 1"   | 1" NPSM         | Z582621616            | 135,66 |

### One piece NPT male pipe straight

Machos una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle pré-serti NPT



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" NPT        | Z581610606            | 30,16  |
| 1/2"  | 1/2" NPT        | Z581610808            | 37,11  |
| 3/4"  | 3/4" NPT        | Z581611212            | 56,97  |
| 1"    | 1" NPT          | Z581611616            | 93,65  |
| 1"1/4 | 1"1/4 NPT       | Z581612020            | 164,18 |
| 1"1/2 | 1"1/2 NPT       | Z581612424            | 217,81 |
| 2"    | 2" NPT          | Z581613232            | 343,47 |

### One piece NPSM Swivel female 60° cone

Hembras giratorias rectas una sola pieza NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon.

Femelle pré-sertie NPSM cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" NPSM       | Z582610606            | 32,64  |
| 1/2"  | 1/2" NPSM       | Z582610808            | 41,88  |
| 3/4"  | 3/4" NPSM       | Z582611212            | 61,21  |
| 1"    | 1" NPSM         | Z582611616            | 98,40  |
| 1"1/4 | 1"1/4 NPSM      | Z582612020            | 174,87 |
| 1"1/2 | 1"1/2 NPSM      | Z582612424            | 232,45 |
| 2"    | 2" NPSM         | Z582613232            | 358,64 |

### One piece NPSM Swivel female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° CON. 45° einteilig kon.

Coude 45° femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 3/8" | 3/8" NPSM       | Z582630606            | 46,30  |
| 1/2" | 1/2" NPSM       | Z582630808            | 60,73  |
| 3/4" | 3/4" NPSM       | Z582631212            | 88,80  |
| 1"   | 1" NPSM         | Z582631616            | 135,66 |

### One piece NPT swivel male

Machos giratorios una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle tournant pré-serti NPT



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 3/8" | 3/8" NPT        | Z581650606            | 62,88  |
| 1/2" | 1/2" NPT        | Z581650808            | 69,39  |
| 3/4" | 3/4" NPT        | Z581651212            | 100,23 |
| 1"   | 1" NPT          | Z581651616            | 152,84 |

# One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar

Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung

Embouts pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

## R13 & R15 Ø 3/4" - 1"

### One piece 3000 PSI SAE Straight Flange / Code 61

Bridas rectas una sola pieza SAE 3000 PSI

Gerader Kompaktflansch SAE 3000 PSI

Bride SAE droite pré-sertie série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30.2 | Z581820808            | 59,51  |
| 5/8"  | 38.1 | Z581821210            | 87,72  |
| 3/4"  | 38.1 | Z581821212            | 85,25  |
| 1"    | 38.1 | Z581821612            | 112,14 |
| 1"    | 44.5 | Z581821616            | 118,80 |
| 1"1/4 | 50.8 | Z581822020            | 176,20 |
| 1"1/2 | 60.3 | Z581822424            | 244,83 |
| 2"    | 71.4 | Z581823232            | 387,50 |

### One piece 3000 PSI SAE Flange (90° Elbow)/ Code 61

Bridas 90° una sola pieza SAE 3000 PSI

Kompaktflansch 90° SAE 3000 PSI

Bride SAE coude 90° pré-sertie série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30.2 | Z581830808            | 79,50  |
| 5/8"  | 38.1 | Z581831210            | 121,91 |
| 3/4"  | 38.1 | Z581831212            | 113,21 |
| 3/4"  | 44.5 | <b>NEW</b> Z581831612 | 172,57 |
| 1"    | 44.5 | Z581831616            | 157,37 |
| 1"1/4 | 50.8 | Z581832020            | 259,74 |
| 1"1/4 | 60.3 | Z581832420            | 330,97 |
| 1"1/2 | 60.3 | Z581832424            | 351,86 |
| 2"    | 71.4 | Z581833232            | 562,33 |

### One piece 3000 PSI SAE Flange (45° Elbow)/ Code 61

Bridas 45° una sola pieza SAE 3000 PSI

Kompaktflansch 45° SAE 3000 PSI

Bride SAE coude 45° pré-sertie série 3000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 30.2 | Z581840808            | 79,50  |
| 5/8"  | 38.1 | Z581841210            | 121,91 |
| 3/4"  | 38.1 | Z581841212            | 113,21 |
| 1"    | 44.5 | Z581841616            | 157,37 |
| 1"1/4 | 50.8 | Z581842020            | 259,74 |
| 1"1/2 | 60.3 | Z581842424            | 351,86 |
| 2"    | 71.4 | Z581843232            | 562,32 |

### One piece 6000 PSI SAE Straight Flange / Code 62

Bridas rectas una sola pieza SAE 6000 PSI

Gerader Kompaktflansch SAE 6000 PSI

Bride SAE droite pré-sertie série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31.8 | Z582820808            | 66,76  |
| 5/8"  | 41.3 | Z582821210            | 111,70 |
| 3/4"  | 41.3 | Z582821212            | 93,41  |
| 1"    | 47.6 | Z582821616            | 130,12 |
| 1"    | 54.0 | <b>NEW</b> Z582822016 | 176,76 |
| 1"1/4 | 54.0 | Z582822020            | 193,33 |
| 1"1/2 | 63.5 | Z582822424            | 307,34 |
| 2"    | 79.4 | Z582823232            | 521,31 |

### One piece 6000 PSI SAE Flange (90° Elbow)/ Code 62

Bridas 90° una sola pieza SAE 6000 PSI

Kompaktflansch 90° SAE 6000 PSI

Bride SAE coude 90° pré-sertie série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31.8 | Z582830808            | 83,13  |
| 5/8"  | 41.3 | Z582831210            | 139,64 |
| 3/4"  | 41.3 | Z582831212            | 128,00 |
| 1"    | 41.3 | <b>NEW</b> Z582831612 | 162,73 |
| 1"    | 47.6 | Z582831616            | 180,42 |
| 1"1/4 | 47.6 | <b>NEW</b> Z582832016 | 225,00 |
| 1"1/4 | 54.0 | Z582832020            | 267,40 |
| 1"1/4 | 63.5 | Z582832420            | 403,99 |
| 1"1/2 | 63.5 | Z582832424            | 449,83 |
| 2"    | 79.4 | Z582833232            | 638,46 |

### One piece 6000 PSI SAE Flange (45° Elbow)/ Code 62

Bridas 45° una sola pieza SAE 6000 PSI

Kompaktflansch 45° SAE 6000 PSI

Bride SAE coude 45° pré-sertie série 6000 PSI



| DN    | Ø    | Referencia<br>Part n° | €      |
|-------|------|-----------------------|--------|
| 1/2"  | 31.8 | Z582840808            | 83,13  |
| 5/8"  | 41.3 | Z582841210            | 139,64 |
| 3/4"  | 41.3 | Z582841212            | 128,00 |
| 1"    | 47.6 | Z582841616            | 180,42 |
| 1"1/4 | 54.0 | Z582842020            | 267,40 |
| 1"1/2 | 63.5 | Z582842424            | 449,83 |
| 2"    | 79.4 | Z582843232            | 638,45 |



# One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar  
Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung  
Emboutis pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

## R13 & R15 Ø 3/4" - 1"

### One piece Metric female cone 24°

Hembras gir rectas una sola pieza rosca Métrica cono 24° - DKO

Dichtkopf metr. einteilig Ü-Mutter kon. 24°

Femelle pré-sertie Métrique cône 24°



### One piece Metric male cone 24°

Machos una sola pieza rosca Métrica cono 24°

Außengewinde einteilig metr. kon. 24°

Mâle pré-serti Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/8"  | 10           | L               | M16x1.5         | Z58804161006          | 31,89  |
| 3/8"  | 12           | L               | M18x1.5         | Z58804181206          | 30,68  |
| 3/8"  | 15           | L               | M22x1.5         | Z58804221506          | 36,64  |
| 1/2"  | 15           | L               | M22x1.5         | Z58804221508          | 38,02  |
| 1/2"  | 18           | L               | M26x1.5         | Z58804261808          | 47,70  |
| 3/4"  | 18           | L               | M26x1.5         | Z58804261812          | 74,64  |
| 5/8"  | 18           | L               | M26x1.5         | Z58804261810          | 55,64  |
| 3/4"  | 22           | L               | M30x2           | Z58804302212          | 60,48  |
| 1"    | 28           | L               | M36x2           | Z58804362816          | 97,41  |
| 1"1/4 | 35           | L               | M45x2           | Z58804453520          | 148,44 |
| 1"1/2 | 42           | L               | M52x2           | Z58804524224          | 224,76 |
| 3/8"  | 12           | S               | M20x1.5         | Z58804201206          | 33,72  |
| 1/2"  | 16           | S               | M24x1.5         | Z58804241608          | 38,20  |
| 5/8"  | 20           | S               | M30x2           | Z58804302010          | 59,00  |
| 3/4"  | 20           | S               | M30x2           | Z58804302012          | 68,54  |
| 5/8"  | 25           | S               | M36x2           | Z58804362510          | 87,19  |
| 3/4"  | 25           | S               | M36x2           | Z58804362512          | 81,99  |
| 1"    | 25           | S               | M36x2           | Z58804362516          | 114,83 |
| 1"    | 30           | S               | M42x2           | Z58804423016          | 118,07 |
| 1"1/4 | 38           | S               | M45x2           | Z58804523820          | 197,16 |

| DN    | TUBO<br>PIPE | SERIE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-------|-----------------|-----------------------|--------|
| 3/8"  | 10           | L     | M16x1.5         | Z58203161006          | 35,62  |
| 3/8"  | 12           | L     | M18x1.5         | Z58203181206          | 28,98  |
| 3/8"  | 15           | L     | M22x1.5         | Z58203221506          | 42,60  |
| 1/2"  | 15           | L     | M22x1.5         | Z58203221508          | 38,07  |
| 1/2"  | 18           | L     | M26x1.5         | Z58203261808          | 49,97  |
| 5/8"  | 18           | L     | M26x1.5         | Z58203261810          | 55,06  |
| 3/4"  | 22           | L     | M30x2           | Z58203302212          | 66,47  |
| 1"    | 28           | L     | M36x2           | Z58203362816          | 103,24 |
| 1"1/4 | 35           | L     | M45x2           | Z58203453520          | 173,59 |
| 1"1/2 | 42           | L     | M52x2           | Z58203524224          | 262,47 |
| 3/8"  | 12           | S     | M20x1.5         | Z58203201206          | 38,33  |
| 1/2"  | 16           | S     | M24x1.5         | Z58203241608          | 41,36  |
| 5/8"  | 20           | S     | M30x2           | Z58203302010          | 65,46  |
| 3/4"  | 20           | S     | M30x2           | Z58203302012          | 75,16  |
| 3/4"  | 25           | S     | M36x2           | Z58203362512          | 90,60  |
| 1"    | 30           | S     | M42x2           | Z58203423016          | 144,27 |
| 1"1/4 | 38           | S     | M45x2           | Z58203523820          | 227,05 |

### One piece Metric female cone 24° (45° Elbow)

Hembras gir 45° una sola pieza Métricas cono 24° - DKO 45°

Dichtkegel mit Ü-Mutter 45° Bogen einteilig

Coude 45° femelle pré-sertie Métrique cône 24°



### One piece Metric female cone 24° (90° Elbow)

Hembras gir 90° una sola pieza Métricas cono 24° - DKO 90°

Dichtkegel mit Ü-Mutter 90° Bogen einteilig

Coude 90° femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | ROSCA<br>THREAD | SERIE<br>SERIES | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 3/8"  | 10           | M16x1.5         | L               | Z58305161006          | 43,25  |
| 3/8"  | 12           | M18x1.5         | L               | Z58305181206          | 41,22  |
| 1/2"  | 15           | M22x1.5         | L               | Z58305221508          | 50,00  |
| 5/8"  | 18           | M26x1.5         | L               | Z58305261810          | 73,92  |
| 3/4"  | 22           | M30x2           | L               | Z58305302212          | 87,85  |
| 1"    | 28           | M36x2           | L               | Z58305362816          | 135,44 |
| 1"1/4 | 35           | M45x2           | L               | Z58305453520          | 224,36 |
| 1"1/2 | 42           | M52x2           | L               | Z58305524224          | 349,98 |
| 3/8"  | 12           | M20x1.5         | S               | Z58305201206          | 46,33  |
| 1/2"  | 16           | M24x1.5         | S               | Z58305241608          | 52,76  |
| 5/8"  | 20           | M30x2           | S               | Z58305302010          | 83,50  |
| 3/4"  | 20           | M30x2           | S               | Z58305302012          | 91,18  |
| 3/4"  | 25           | M36x2           | S               | Z58305362512          | 116,37 |
| 1"    | 25           | M36x2           | S               | Z58305362516          | 153,21 |
| 1"    | 30           | M42x2           | S               | Z58305423016          | 176,45 |
| 1"1/4 | 38           | M45x2           | S               | Z58305523820          | 298,77 |

| DN    | TUBO<br>PIPE | SERIE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-------|-----------------|-----------------------|--------|
| 3/8"  | 10           | L     | M16x1.5         | Z58306161006          | 43,25  |
| 3/8"  | 12           | L     | M18x1.5         | Z58306181206          | 41,22  |
| 1/2"  | 15           | L     | M22x1.5         | Z58306221508          | 50,00  |
| 5/8"  | 18           | L     | M26x1.5         | Z58306261810          | 73,93  |
| 3/4"  | 22           | L     | M30x2           | Z58306302212          | 87,85  |
| 1"    | 28           | L     | M36x2           | Z58306362816          | 135,44 |
| 1"1/4 | 35           | L     | M45x2           | Z58306453520          | 224,36 |
| 1"1/2 | 42           | L     | M52x2           | Z58306524224          | 349,98 |
| 3/8"  | 12           | S     | M20x1.5         | Z58306201206          | 46,33  |
| 1/2"  | 16           | S     | M24x1.5         | Z58306241608          | 52,76  |
| 5/8"  | 20           | S     | M30x2           | Z58306302010          | 83,50  |
| 3/4"  | 20           | S     | M30x2           | Z58306302012          | 91,18  |
| 3/4"  | 25           | S     | M36x2           | Z58306362512          | 116,37 |
| 1"    | 25           | S     | M36x2           | Z58306362516          | 153,21 |
| 1"    | 30           | S     | M42x2           | Z58306423016          | 176,45 |
| 1"1/4 | 38           | S     | M45x2           | Z58306523820          | 298,77 |

# One piece fittings BWS Series 3SP/4SP/R12/4SH No Skive

Conexiones una sola pieza Serie BWS 3SP/4SP/R12/4SH No Pelar

Einteilige Armaturen Serie BWS 3SP/4SP/R12/4SH ohne Schälung

Embouts pré-sertis Série BWS 3SP/4SP/R12/4SH Sans dénuder

## R13 & R15 Ø 3/4" - 1"

### One piece double hexagonal BSP female 60° cone

Hembras giratoias rectas una sola pieza BSP (60°)  
doble hex

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon.  
doppelt 6 kt

Femelle pré-sertie BSP cône 60° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" BSP        | Z584000606            | 39,98  |
| 1/2"  | 1/2" BSP        | Z584000808            | 42,92  |
| 3/4"  | 3/4" BSP        | Z584001212            | 74,56  |
| 1"    | 1" BSP          | Z584001616            | 108,44 |
| 1"1/4 | 1"1/4 BSP       | Z584002020            | 169,27 |
| 1"1/2 | 1"1/2 BSP       | Z584002424            | 261,93 |
| 2"    | 2" BSP          | Z584003232            | 423,16 |

### One piece BSP female cone 60° w/o ring (90° Elbow)

Hembras giratorias 90° una sola pieza BSP C/J  
cono 60°

Dichtkopf BSP Ü-Mutter einteilig 60° mit  
O'Ringkon. 90°

Coude 90° femelle pré-sertie BSP cône 60° avec  
joint



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" BSP        | Z581170606            | 48,38  |
| 1/2"  | 1/2" BSP        | Z581170808            | 55,04  |
| 3/4"  | 3/4" BSP        | Z581171212            | 82,70  |
| 1"    | 1" BSP          | Z581171616            | 139,34 |
| 1"1/4 | 1"1/4 BSP       | Z581172020            | 250,48 |
| 1"1/2 | 1"1/2 BSP       | Z581172424            | 356,49 |
| 2"    | 2" BSP          | Z581173232            | 640,31 |

### One piece BSP male 60° cone

Machos una sola pieza rosca cilíndrica BSP cono  
60°

Außengewinde zyl. einteilig kon. BSP 60°

Mâle pré-serti BSP cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" BSP        | Z581120606            | 31,71  |
| 1/2"  | 1/2" BSP        | Z581120808            | 39,34  |
| 5/8"  | 5/8" BSP        | Z581121010            | 69,39  |
| 3/4"  | 3/4" BSP        | Z581121212            | 58,06  |
| 1"    | 1" BSP          | Z581121616            | 105,10 |
| 1"1/4 | 1" BSP          | Z581122016            | 153,73 |
| 1"1/4 | 1"1/4 BSP       | Z581122020            | 178,72 |
| 1"1/2 | 1"1/2 BSP       | Z581122424            | 235,24 |
| 2"    | 2" BSP          | Z581123232            | 364,04 |

### One piece BSP female flat seat

Hembras giratorias rectas una sola pieza BSP  
asiento plano

Dichtkopf mit Ü-Mutter einteilig BSP flachdichtend

Femelle pré-sertie BSP fond plat



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" BSP        | Z582000606            | 31,15  |
| 1/2"  | 1/2" BSP        | Z582000808            | 37,66  |
| 3/4"  | 3/4" BSP        | Z582001212            | 56,39  |
| 1"    | 1" BSP          | Z582001616            | 92,40  |
| 1"1/4 | 1"1/4 BSP       | Z582002020            | 147,22 |
| 1"1/2 | 1"1/2 BSP       | Z582002424            | 209,59 |
| 2"    | 2" BSP          | Z582003232            | 336,17 |

### One piece BSP female cone 60° w/o ring (45° Elbow)

Hembras giratorias 45° una sola pieza BSP C/J  
cono 60°

Dichtkopf mit BSP Ü-Mutter 60° mit O'Ring  
einteilig 45° kon.

Coude 45° femelle pré-sertie BSP cône 60° avec  
joint



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/8"  | 3/8" BSP        | Z581180606            | 48,38  |
| 1/2"  | 1/2" BSP        | Z581180808            | 55,03  |
| 3/4"  | 3/4" BSP        | Z581181212            | 82,70  |
| 1"    | 1" BSP          | Z581181616            | 139,35 |
| 1"1/4 | 1"1/4 BSP       | Z581182020            | 250,48 |
| 1"1/2 | 1"1/2 BSP       | Z581182424            | 356,49 |
| 2"    | 2" BSP          | Z581183232            | 640,31 |

### One piece BSP female 60° cone 60° w/o ring

Hembras giratorias rectas una sola pieza BSP C/J  
cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° mit  
O'Ring kon.

Femelle pré-sertie BSP cône 60° avec joint



| DN MANGUERA<br>DN HOSE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------------------------|-----------------|-----------------------|--------|
| 3/8"                   | 3/8" BSP        | Z581100606            | 32,80  |
| 1/2"                   | 1/2" BSP        | Z581100808            | 37,61  |
| 3/4"                   | 3/4" BSP        | Z581101212            | 54,54  |
| 1"                     | 1" BSP          | Z581101616            | 95,21  |
| 1"1/4                  | 1"1/4 BSP       | Z581102020            | 160,82 |
| 1"1/2                  | 1"1/2 BSP       | Z581102424            | 218,02 |
| 2"                     | 2" BSP          | Z581103232            | 377,92 |

# BWS



NO PELAR  
NO SKIVE



MAJOR VERSATILIDAD. 1 CASQUILLO - 4 MANGUERAS  
GREATER VERSATILITY. 1 FERRULE - 4 HOSES



REDUCCIÓN DE STOCK. USO DE ESPIGA STD  
STOCK OPTIMISATION. STD SERIES



MEJOR TIEMPO DE MONTAJE. NO PELAR  
REDUCES ASSEMBLY TIME. NO SKIVE



AHORRO ECONÓMICO.  
ECONOMIC EFFICIENCY



# BW+



NO PELAR  
NO SKIVE



ALTA PRESIÓN  
HIGH PRESSURE

1" 1/4 - 1" 1/2-2

R13 - R15



REDUCCIÓN DE STOCK. USO DE ESPIGA BW  
STOCK OPTIMISATION. BW SERIES



MEJOR TIEMPO DE MONTAJE. NO PELAR  
REDUCES ASSEMBLY TIME. NO SKIVE



# One piece fittings BW+ Series R13/R15 No Skive

Conexiones una pieza Serie BW+ R13/R15 No Pelar

Armaturen Serie BW+ R13/R15 ohne Schälung

Embouts R13/R15 Série BW+ Sans denuder

## R13 & R15 Ø 3/4" - 1" -> BWS

### One piece double hexagonal JIC 37° Swivel female

Hembras giratorias rectas una sola pieza JIC 37°  
doble hexagonal

Dichtkopf mit Ü-Mutter einteilig 37° JIC doppelt 6 kt

Femelle pré-sertie JIC 37° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12 UN     | Z692422620            | 290,93 |
| 1"1/2 | 1"7/8 12 UN     | Z692423024            | 403,37 |
| 2"    | 2" 1/2 12 UN    | Z692424032            | 621,99 |

### One piece JIC 37° Swivel female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca JIC 37°

Dichtkopf mit Ü-Mutter einteilig 37° JIC 90°

Coude 90° femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12 UN     | Z691382620            | 247,99 |
| 1"1/2 | 1"7/8 12 UN     | Z691383024            | 309,40 |
| 2"    | 2" 1/2 12 UN    | Z691384032            | 588,29 |

### One piece JIC 37° male with o'ring

Machos una sola pieza rosca JIC 37° C/J

Außengewinde einteilig JIC 37° mit O-Ring

Mâle pré-serti JIC 37° avec joint torique



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12 UN     | Z691412620            | 199,50 |
| 1"1/2 | 1"7/8 12 UN     | Z691413024            | 224,05 |
| 2"    | 2" 1/2 12 UN    | Z691414032            | 429,00 |

### One piece JIC 37° Swivel female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca JIC 37°

Dichtkonus JIC 37° einteilig 45°

Coude 45° femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"5/8 12 UN     | Z691392620            | 246,75 |
| 1"1/2 | 1"7/8 12 UN     | Z691393024            | 309,40 |
| 2"    | 2" 1/2 12 UN    | Z691394032            | 588,29 |

### One piece ORFS Swivel female straight double hexagonal

Hembras giratorias rectas una sola pieza ORFS  
doble hexagonal

Dichtkopf mit ORFS einteilig Ü-Mutter doppelt 6 kt

Femelle pré-sertie droite ORFS double hexagonale



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1" 11/16 12 UN  | Z699012720            | 255,00 |
| 1"1/2 | 2" 12 UN        | Z699013224            | 322,15 |

### One piece ORFS Swivel female (90° Elbow)

Hembras giratorias 90° una sola pieza ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 90°

Coude 90° femelle pré-sertie ORFS



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1"1/4  | 1" 11/16 12 UN  | Z699072720            | 464,43 |
| 1" 1/2 | 2" 12 UN        | Z699073224            | 957,77 |

### One piece ORFS Swivel female (45° Elbow)

Hembras giratorias 45° una sola pieza ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 45°

Coude 45° femelle pré-sertie ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"11/16 12 UN   | Z699082720            | 464,43 |
| 1"1/2 | 2" 12 UN        | Z699083224            | 957,77 |

### One piece ORFS Male

Machos una sola pieza ORFS

Außengewinde ORFS einteilig

Mâle pré-serti ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1"1/4 | 1"11/16 12 UN   | Z699122720            | 372,51 |
| 1"1/2 | 2" 12 UN        | Z699123224            | 517,56 |

# One piece fittings BW+ Series R13/R15 No Skive

Conexiones una pieza Serie BW+ R13/R15 No Pelar  
Armaturen Serie BW+ R13/R15 ohne Schälung  
Embouts R13/R15 Série BW+ Sans denuder

## R13 & R15 Ø 3/4" - 1" ->>BWS

### One piece double hexagonal NPSM female 60° cone

Hembras gir rectas una sola pieza rosca NPSM (60°) doble hex  
Dichtkopf mit NPSM einteilig Überwurfmutter 60° kon. doppelt hexagonal  
Femelle pré-sertie NPSM cône 60° double hexagonal



| DN    | ROSCA<br>THREAD       | Referencia<br>Part n° | €      |
|-------|-----------------------|-----------------------|--------|
| 1"1/4 | 1"1/4 - 11 1/2 h NPSM | Z693612020            | 281,22 |
| 1"1/2 | 1"1/2 - 11 1/2 h NPSM | Z693612424            | 357,34 |
| 2"    | 2" - 11 1/2 h NPSM    | Z693613232            | 590,68 |

### One piece NPT Male pipe straight

Machos una sola pieza rosca cónica NPT  
Außengewinde kon. einteilig NPT  
Mâle pré-serti conique NPT



| DN    | ROSCA<br>THREAD       | Referencia<br>Part n° | €      |
|-------|-----------------------|-----------------------|--------|
| 1"1/4 | 1"1/4 - 11 1/2 h NPSM | Z691612020            | 196,30 |
| 1"1/2 | 1"1/2 - 11 1/2 h NPSM | Z691612424            | 251,66 |
| 2"    | 2" - 11 1/2 h NPSM    | Z691613232            | 459,34 |

### One piece 6000 PSI SAE Straight Flange / Code 62

Bridas recta SAE 6000 PSI  
Gerader Kompaktflansch SAE 6000 PSI  
Bride SAE droite pré-sertie série 6000 PSI



| DN    | Ø     | Referencia<br>Part n° | €      |
|-------|-------|-----------------------|--------|
| 1"1/4 | 1"1/4 | Z692822020            | 235,39 |
| 1"1/2 | 1"1/2 | Z692822424            | 314,91 |
| 2"    | 2"    | Z692823232            | 478,35 |

### One piece 6000 PSI SAE Flange (90° Elbow) / Code 62

Bridas a 90° SAE 6000 PSI  
Kompaktflansch 90° SAE 6000 PSI  
Bride SAE coude 90° pré-sertie série 6000 PSI



| DN    | Ø     | Referencia<br>Part n° | €      |
|-------|-------|-----------------------|--------|
| 1"1/4 | 1"1/4 | Z692832020            | 280,33 |
| 1"1/2 | 1"1/2 | Z692832424            | 388,31 |
| 2"    | 2"    | Z692833232            | 609,89 |

### One piece 6000 PSI SAE Flange (45° Elbow) / Code 62

Bridas a 45° SAE 6000 PSI  
Kompaktflansch 45° SAE 6000 PSI  
Bride SAE coude 45° pré-sertie série 6000 PSI



| DN    | Ø     | Referencia<br>Part n° | €      |
|-------|-------|-----------------------|--------|
| 1"1/4 | 1"1/4 | Z692842020            | 280,34 |
| 1"1/2 | 1"1/2 | Z692842424            | 388,31 |
| 2"    | 2"    | Z692843232            | 609,89 |



## One piece fittings BW+ Series R13/R15 No Skive

Conexiones una pieza Serie BW+ R13/R15 No Pelar

Armaturen Serie BW+ R13/R15 ohne Schälung

Embouts R13/R15 Série BW+ Sans denuder

### R13 & R15 Ø 3/4" - 1" ->>BWS

#### One piece double hexagonal BSP Swivel female cone 60° with o'ring wire nut

Hembras giratorias una pieza BSP 60° doble hex c/j tca eng.

Dichtkopf einteilig 60° kon. doppelt hexagonal mit O-Ring Muffenmutter

Femelle BSP pré-sertie cône 60° double hexagonal with o'ring écrou à douille



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1"1/4 | 1"1/4 BSP    | Z695102020         | 225,56 |
| 1"1/2 | 1"1/2 BSP    | Z695102424         | 315,18 |
| 2"    | 2" BSP       | Z695103232         | 523,55 |

#### One piece BSP Male 60° cone

Machos cilíndricos una sola pieza BSP 60°

Außengewinde zyl. einteilig BSP 60°

Mâle pré-serti gaz cylindrique BSP 60°



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1"1/4 | 1"1/4 BSP    | Z691122020         | 203,27 |
| 1"1/2 | 1"1/2 BSP    | Z691122424         | 254,81 |
| 2"    | 2" BSP       | Z691123232         | 454,90 |

#### One piece BSP Swivel female 60° cone with o'ring (90° Elbow) wire nut

Hembras giratorias 90° una sola pieza BSP 60° c/j tca eng.

Dichtkopf mit BSP Ü-Mutter 60° einteilig 90° mit O-Ring Muffenmutter

Coude 90° femelle pré-sertie BSP 60° avec o'ring écrou à douille



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1"1/4 | 1"1/4 BSP    | Z695172020         | 262,99 |
| 1"1/2 | 1"1/2 BSP    | Z695172424         | 341,36 |
| 2"    | 2" BSP       | Z695173232         | 596,96 |

#### One piece BSP Swivel female 60° cone with o'ring (45° Elbow) wire nut

Hembras giratorias 45° una sola pieza BSP 60° c/j tca eng.

Dichtkopf mit BSP Ü-Mutter 60° einteilig 45° mit O-Ring Muffenmutter

Coude 45° femelle pré-sertie BSP 60° avec o'ring écrou à douille



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1"1/4 | 1"1/4 BSP    | Z695182020         | 262,99 |
| 1"1/2 | 1"1/2 BSP    | Z695182424         | 341,36 |
| 2"    | 2" BSP       | Z695183232         | 596,96 |

BAJO CONSULTA  
UNDER REQUEST

## BW+ MÉTRICAS / METRIC BW+

#### ■ Hembras giratorias rectas una sola pieza rosca Métrica cono 24° con junta tórica

One piece Metric swivel female 24° seat with o'ring



Ref: Z69204

#### ■ Hembras giratorias 90° una sola pieza Métricas cono 24° con junta tórica

One piece Metric swivel female 24° seat with o'ring



Ref: Z69205

#### ■ Macho una sola pieza Métricos cono 24°

One piece Metric male stud 24° cone



Ref: Z69203

#### ■ Hembras giratorias 45° una sola pieza Métricas cono 24° con junta tórica

One piece Metric swivel female 24° seat with o'ring



Ref: Z69206



# One piece fittings R7/R8 & Elastomer Braid of steel wire

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica  
Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.  
Embouts pré-sertis R7/R8 et Elastomère tresse métallique

## One piece double hexagonal JIC 37° female

Hembras giratorias rectas una sola pieza rosca JIC 37° doble hex

Dichtkopf einteilig Ü-Mutter 37° JIC doppelt 6 kt

Femelle pré-sertie JIC 37° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|-----------------|-----------------------|-------|
| 3/16" | 7/16" 20h UNF   | 872420703             | 27,59 |
| 1/4"  | 7/16" 20h UNF   | 872420704             | 23,81 |
| 5/16" | 7/16" 20h UNF   | 872420705             | 34,92 |
| 1/4"  | 9/16" 18h UNF   | 872420904             | 31,65 |
| 5/16" | 9/16" 18h UNF   | 872420905             | 35,34 |
| 3/8"  | 9/16" 18h UNF   | 872420906             | 28,23 |
| 1/2"  | 3/4" 16h UNF    | 872421208             | 32,23 |
| 1/2"  | 7/8" 14h UNF    | 872421408             | 42,31 |
| 5/8"  | 1"1/16 12h UN   | 872421710             | 57,93 |
| 3/4"  | 1"1/16 12h UN   | 872421712             | 51,94 |
| 1"    | 1"5/16 12h UN   | 872422116             | 82,69 |

## One piece JIC 37° female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 90°

90° Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/16" | 7/16" 20h UNF   | 871380703             | 33,96  |
| 1/4"  | 7/16" 20h UNF   | 871380704             | 28,31  |
| 1/4"  | 9/16" 18h UNF   | 871380904             | 41,77  |
| 3/8"  | 9/16" 18h UNF   | 871380906             | 35,02  |
| 1/2"  | 3/4" 16h UNF    | 871381208             | 40,98  |
| 1/2"  | 7/8" 14 UNF     | NEW 871381408         | 43,46  |
| 3/4"  | 1"1/16 12h UN   | 871381712             | 68,67  |
| 1"    | 1"5/16 12h UN   | 871382116             | 109,76 |

## One piece JIC 37° male

Machos una sola pieza rosca JIC 37°

Außengewinde einteilig JIC 37°

Mâle pré-serti JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|-----------------|-----------------------|-------|
| 3/16" | 7/16" 20h UNF   | NEW 871400703         | 29,94 |
| 1/4"  | 7/16" 20h UNF   | 871400704             | 25,73 |
| 3/8"  | 9/16" 18h UNF   | 871400906             | 34,15 |
| 1/2"  | 3/4" 16h UNF    | 871401208             | 33,57 |
| 3/4"  | 1"1/16 12h UN   | 871401712             | 54,12 |
| 1"    | 1"5/16 12h UN   | 871402116             | 84,73 |

## One piece JIC 37° female

Hembras giratorias rectas una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC

Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|-----------------|-----------------------|-------|
| 3/16" | 7/16" 20h UNF   | 871420703             | 20,66 |
| 1/4"  | 7/16" 20h UNF   | 871420704             | 20,90 |
| 1/4"  | 9/16" 18h UNF   | 871420904             | 23,88 |
| 5/16" | 9/16" 18h UNF   | 871420905             | 23,93 |
| 3/8"  | 9/16" 18h UNF   | 871420906             | 24,33 |
| 1/2"  | 3/4" 16h UNF    | 871421208             | 29,32 |
| 1/2"  | 7/8" 14h UNF    | 871421408             | 30,85 |
| 3/4"  | 1"1/16 12h UN   | 871421712             | 43,77 |
| 1"    | 1"5/16 12h UN   | 871422116             | 70,78 |

## One piece JIC 37° female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 45°

45° Femelle pré-sertie JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | 871390704             | 28,31  |
| 3/8" | 9/16" 18h UNF   | 871390906             | 35,02  |
| 1/2" | 3/4" 16h UNF    | 871391208             | 40,98  |
| 3/4" | 1"1/16 12h UN   | 871391712             | 68,67  |
| 1"   | 1"5/16 12h UN   | 871392116             | 109,76 |

## One piece fittings R7/R8 & Elastomer Braid of steel wire

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica

Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.

Embouts pré-sertis R7/R8 et Elastomère tresse métallique

### One piece double hexagonal ORFS female

Hembras giratorias rectas una sola pieza rosca ORFS doble hex

Dichtkopf mit ORFS einteilig Ü-Mutter doppelt 6 kt

Femelle pré-sertie ORFS double hexagonal



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 879000904             | 37,29  |
| 3/8" | 11/16"-16h      | 879001106             | 42,62  |
| 3/8" | 13/16"-16h      | 879001306             | 51,46  |
| 1/2" | 13/16"-16h      | 879001308             | 48,14  |
| 3/4" | 1"3/16-12h      | 879001912             | 75,25  |
| 1"   | 1"7/16-12h      | 879002316             | 128,18 |

### One piece ORFS female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 90°

90° Femelle pré-sertie ORFS



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 879070904             | 62,09  |
| 3/8" | 11/16"-16h      | 879071106             | 74,66  |
| 1/2" | 13/16"-16h      | 879071308             | 86,16  |
| 3/4" | 1"3/16-12h      | 879071912             | 135,77 |
| 1"   | 1"7/16-12h      | 879072316             | 201,25 |

### One piece ORFS male

Machos compactos rosca ORFS

Außengewinde einteilig ORFS

Mâle pré-serti ORFS



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 879120904             | 43,17  |
| 3/8" | 11/16"-16h      | 879121106             | 43,40  |
| 1/2" | 13/16"-16h      | 879121308             | 52,79  |
| 3/4" | 1"3/16-12h      | 879121912             | 92,25  |
| 1"   | 1"7/16-12h      | 879122316             | 132,15 |

### One piece ORFS female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca ORFS

Dichtkopf 45° ORFS einteilig

45° Femelle pré-sertie ORFS



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 879080904             | 62,09  |
| 3/8" | 11/16"-16h      | 879081106             | 74,66  |
| 1/2" | 13/16"-16h      | 879081308             | 86,16  |
| 3/4" | 1"3/16-12h      | 879081912             | 135,77 |
| 1"   | 1"7/16-12h      | 879082316             | 201,24 |

## Configura tus propias conexiones en Una sola pieza (43/R7/R8/PTFE/BWS). Consúltanos

Configure your own One piece series fittings (43/R7/R8/PTFE/BWS). Consult us.



UNA SOLA PIEZA / ONE PIECE



CASQUILLOS / FERRULES



CONEXIONES / FITTINGS

COMBINACIONES  
INFINITAS  
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ENDLESS FITTINGS  
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# One piece fittings R7/R8 & Elastomer Braid of steel wire

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica  
Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.  
Embouts pré-sertis R7/R8 et Elastomère tresse métallique

## One piece double hexagonal NPSM female 60° cone

Hembras giratorias rectas una sola pieza NPSM (60°) doble hex

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. doppelt 6 kt

Femelle pré-sertie NPSM cône 60° double hexagonal



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" NPSM          | 873610404             | 34,32  |
| 3/8" | 3/8" 18h NPSM      | 873610606             | 37,10  |
| 1/2" | 1/2" 14h NPSM      | 873610808             | 43,19  |
| 3/4" | 3/4" NPSM          | 873611212             | 63,52  |
| 1"   | 1" - 11 1/2 h NPSM | 873611616             | 101,78 |

## One piece NPSM female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. 90°

90° Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 872620404             | 33,38  |
| 3/8" | 3/8" 18h NPSM      | 872620606             | 39,29  |
| 1/2" | 1/2" 14h NPSM      | 872620808             | 51,95  |
| 3/4" | 3/4" 14h NPSM      | 872621212             | 75,47  |
| 1"   | 1" - 11 1/2 h NPSM | 872621616             | 115,15 |

## One piece NPT male pipe straight

Machos una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle pré-serti NPT



| DN    | ROSCA<br>THREAD |     | Referencia<br>Part n° | €     |
|-------|-----------------|-----|-----------------------|-------|
| 1/4"  | 1/8" NPT        | NEW | 871610204             | 26,68 |
| 3/16" | 1/4" NPT        |     | 871610403             | 26,84 |
| 1/4"  | 1/4" NPT        |     | 871610404             | 20,84 |
| 3/8"  | 1/4" NPT        |     | 871610406             | 30,88 |
| 1/4"  | 3/8" NPT        |     | 871610604             | 28,67 |
| 3/8"  | 3/8" NPT        |     | 871610606             | 24,35 |
| 1/2"  | 1/2" NPT        |     | 871610808             | 30,08 |
| 3/4"  | 1/2" NPT        | NEW | 871610812             | 51,07 |
| 3/4"  | 3/4" NPT        |     | 871611212             | 46,00 |
| 1"    | 1" NPT          |     | 871611616             | 76,26 |

## One piece NPSM female 60° cone

Hembras giratorias rectas una sola pieza NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon.

Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €     |
|------|--------------------|-----------------------|-------|
| 1/4" | 1/4" 18h NPSM      | 872610404             | 23,90 |
| 3/8" | 3/8" 18h NPSM      | 872610606             | 26,65 |
| 1/2" | 1/2" 14h NPSM      | 872610808             | 34,50 |
| 3/4" | 3/4" 14h NPSM      | 872611212             | 49,93 |
| 1"   | 1" - 11 1/2 h NPSM | 872611616             | 80,66 |

## One piece NPSM female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza NPSM cono 60°

Dichtkopf mit NPSM Ü-Mutter 60° kon. 45° einteilig

45° Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 872630404             | 33,38  |
| 3/8" | 3/8" 18h NPSM      | 872630606             | 39,29  |
| 1/2" | 1/2" 14h NPSM      | 872630808             | 51,95  |
| 3/4" | 3/4" 14h NPSM      | 872631212             | 75,48  |
| 1"   | 1" - 11 1/2 h NPSM | 872631616             | 115,15 |

## One piece fittings R7/R8 & Elastomer Braid of steel wire

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica

Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.

Embouts pré-sertis R7/R8 et Elastomère tresse métallique

### One piece Metric female 24° cone

Hembras gir rectas una sola pieza rosca Métrica cono 24° - DKO

Dichtkopf metr. einteilig Ü-Mutter kon. 24°

Femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|--------------|-----------------|-----------------|-----------------------|-------|
| 3/16" | 6            | L               | M12x1.5         | 87804120603           | 21,75 |
| 1/4"  | 6            | L               | M12x1.5         | 87804120604           | 21,38 |
| 1/4"  | 8            | L               | M14x1.5         | 87804140804           | 20,19 |
| 3/8"  | 10           | L               | M16x1.5         | 87804161006           | 25,95 |
| 3/8"  | 12           | L               | M18x1.5         | 87804181206           | 24,83 |
| 1/2"  | 15           | L               | M22x1.5         | 87804221508           | 30,92 |
| 3/4"  | 22           | L               | M30x2           | 87804302212           | 49,26 |
| 1"    | 28           | L               | M36x2           | 87804362816           | 79,73 |
| 1/4"  | 8            | S               | M16x1.5         | 87804160804           | 21,93 |
| 1/4"  | 10           | S               | M18x1.5         | 87804181004           | 24,12 |
| 3/8"  | 12           | S               | M20x1.5         | 87804201206           | 27,65 |
| 1/2"  | 16           | S               | M24x1.5         | 87804241608           | 31,09 |
| 3/4"  | 20           | S               | M30x2           | 87804302012           | 56,72 |
| 3/4"  | 25           | S               | M36x2           | 87804362512           | 69,17 |
| 1"    | 30           | S               | M42x2           | 87804423016           | 98,86 |

### One piece Metric female 24° cone (90° Elbow)

Hembras gir 90° una sola pieza Métricas cono 24° - DKO 90°

Dichtkegel mit Ü-Mutter 90° Bogen einteilig

90° Femelle pré-sertie Métrique cône 24°



| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4" | 8            | L               | M14x1.5         | 87305140804           | 28,77  |
| 3/8" | 10           | L               | M16x1.5         | 87305161006           | 36,47  |
| 3/8" | 12           | L               | M18x1.5         | 87305181206           | 34,59  |
| 1/2" | 15           | L               | M22x1.5         | 87305221508           | 42,01  |
| 3/4" | 22           | L               | M30x2           | 87305302212           | 74,60  |
| 1"   | 28           | L               | M36x2           | 87305362816           | 114,95 |
| 1/4" | 8            | S               | M16x1.5         | 87305160804           | 32,96  |
| 1/4" | 10           | S               | M18x1.5         | 87305181004           | 33,49  |
| 3/8" | 12           | S               | M20x1.5         | 87305201206           | 39,32  |
| 1/2" | 16           | S               | M24x1.5         | 87305241608           | 44,57  |
| 3/4" | 25           | S               | M36x2           | 87305362512           | 101,01 |
| 1"   | 30           | S               | M42x2           | 87305423016           | 152,92 |

### One piece Metric male 24° cone

Machos una sola pieza rosca Métrica cono 24°

Außengewinde einteilig metr. kon. 24°

Mâle pré-serti Métrique cône 24°



| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4" | 8            | L               | M14x1.5         | 87203140804           | 23,85  |
| 3/8" | 12           | L               | M18x1.5         | 87203181206           | 23,26  |
| 1/2" | 15           | L               | M22x1.5         | 87203221508           | 30,97  |
| 3/4" | 22           | L               | M30x2           | 87203302212           | 54,81  |
| 1"   | 28           | L               | M36x2           | 87203362816           | 85,14  |
| 1/4" | 8            | S               | M16x1.5         | 87203160804           | 29,63  |
| 1/4" | 10           | S               | M18x1.5         | 87203181004           | 32,22  |
| 3/8" | 12           | S               | M20x1.5         | 87203201206           | 31,91  |
| 1/2" | 16           | S               | M24x1.5         | 87203241608           | 34,02  |
| 3/4" | 25           | S               | M36x2           | 87203362512           | 77,14  |
| 1"   | 30           | S               | M42x2           | 87203423016           | 123,12 |

### One piece Metric female 24° cone (45° Elbow)

Hembras gir 45° una sola pieza Métricas cono 24° - DKO 45°

Dichtkegel mit Ü-Mutter 45° Bogen einteilig

45° Femelle pré-sertie Métrique cône 24°



| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4" | 8            | L               | M14x1.5         | 87306140804           | 28,77  |
| 3/8" | 10           | L               | M16x1.5         | 87306161006           | 36,47  |
| 3/8" | 12           | L               | M18x1.5         | 87306181206           | 34,59  |
| 1/2" | 15           | L               | M22x1.5         | 87306221508           | 42,01  |
| 3/4" | 22           | L               | M30x2           | 87306302212           | 74,60  |
| 1"   | 28           | L               | M36x2           | 87306362816           | 114,95 |
| 1/4" | 8            | S               | M16x1.5         | 87306160804           | 32,96  |
| 1/4" | 10           | S               | M18x1.5         | 87306181004           | 33,49  |
| 3/8" | 12           | S               | M20x1.5         | 87306201206           | 39,32  |
| 1/2" | 16           | S               | M24x1.5         | 87306241608           | 44,57  |
| 3/4" | 25           | S               | M36x2           | 87306362512           | 101,01 |
| 1"   | 30           | S               | M42x2           | 87306423016           | 152,92 |

# One piece fittings R7/R8 & Elastomer Braid of steel wire

Conexiones una sola pieza R7/ R8/ Elastómero malla metálica  
 Einteilige Armaturen R7/ R8 und Elastomer/Metallumfl.  
 Embouts pré-sertis R7/R8 et Elastomère tresse métallique

## One piece double hexagonal BSP female 60° cone

Hembras giratorias rectas una sola pieza BSP (60°) doble hex  
 Dichtkopf mit Ü-Mutter einteilig BSP 60° kon. doppelt 6 kt

Femelle pré-sertie BSP cône 60° double hexagonal



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | 874000404             | 29,28 |
| 3/8" | 3/8" BSP        | 874000606             | 33,44 |
| 1/2" | 1/2" BSP        | 874000808             | 35,46 |
| 3/4" | 3/4" BSP        | 874001212             | 62,29 |
| 1"   | 1" BSP          | 874001616             | 89,95 |

## One piece BSP female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca BSP cono 60°

Dichtkopf mit BSP einteilig Ü-Mutter 60° kon. 90°

90° Femelle pré-sertie BSP cône 60°



| DN    | ROSCA<br>THREAD |     | Referencia<br>Part n° | €      |
|-------|-----------------|-----|-----------------------|--------|
| 3/16" | 1/4" BSP        | NEW | 871070403             | 32,12  |
| 1/4"  | 1/4" BSP        |     | 871070404             | 27,29  |
| 1/4"  | 3/8" BSP        |     | 871070604             | 35,00  |
| 3/8"  | 3/8" BSP        |     | 871070606             | 32,33  |
| 1/2"  | 1/2" BSP        |     | 871070808             | 38,55  |
| 3/4"  | 3/4" BSP        |     | 871071212             | 66,79  |
| 1"    | 1" BSP          |     | 871071616             | 106,58 |

## One piece BSP male 60° cone

Machos una sola pieza rosca cilíndrica BSP cono 60°

Außengewinde zyl. einteilig kon. BSP 60°

Mâle pré-serti BSP cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | 871120404             | 22,05 |
| 3/8" | 3/8" BSP        | 871120606             | 25,78 |
| 1/2" | 1/2" BSP        | 871120808             | 32,14 |
| 3/4" | 3/4" BSP        | 871121212             | 47,01 |
| 1"   | 1" BSP          | 871121616             | 86,86 |

## One piece BSP female 60° cone

Hembras giratorias rectas una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon.

Femelle pré-sertie BSP cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|-----------------|-----------------------|-------|
| 3/16" | 1/4" BSP        | 871000403             | 22,86 |
| 1/4"  | 1/4" BSP        | 871000404             | 19,62 |
| 3/8"  | 3/8" BSP        | 871000606             | 23,80 |
| 1/2"  | 1/2" BSP        | 871000808             | 28,05 |
| 3/4"  | 3/4" BSP        | 871001212             | 43,41 |
| 1"    | 1" BSP          | 871001616             | 70,82 |

## One piece BSP female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter 60° einteilig kon. 45°

45° Femelle pré-sertie BSP cône 60°



| DN    | ROSCA<br>THREAD |     | Referencia<br>Part n° | €      |
|-------|-----------------|-----|-----------------------|--------|
| 3/16" | 1/4" BSP        | NEW | 871080403             | 32,12  |
| 1/4"  | 1/4" BSP        |     | 871080404             | 27,29  |
| 3/8"  | 3/8" BSP        |     | 871080606             | 32,33  |
| 1/2"  | 1/2" BSP        |     | 871080808             | 38,55  |
| 3/4"  | 3/4" BSP        |     | 871081212             | 66,79  |
| 1"    | 1" BSP          |     | 871081616             | 106,58 |

## One piece fittings for Smooth PTFE/ R14

Conexiones una sola pieza PTFE Liso / R14  
Einteilige Armaturen PTFE-Glattschlauch/ R14  
Embouts pré-sertis pour PTFE lisse/ R14

### One piece JIC 37° double hexagonal female

Hembras gir rectas una sola pieza rosca JIC 37°  
doble hex

Dichtkopf einteilig Ü-Mutter 37° JIC doppelt 6 kt

Femelle pré-sertie JIC 37° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|-----------------|-----------------------|-------|
| 3/16" | 7/16" 20h UNF   | 862420703             | 28,64 |
| 1/4"  | 7/16" 20h UNF   | 862420704             | 21,06 |
| 5/16" | 7/16" 20h UNF   | NEW 862420705         | 32,26 |
| 1/4"  | 1/2" 20h UNF    | 862420804             | 26,70 |
| 5/16" | 1/2" 20h UNF    | 862420805             | 32,96 |
| 5/16" | 9/16" 18h UNF   | 862420905             | 32,68 |
| 3/8"  | 9/16" 18h UNF   | 862420906             | 24,44 |
| 3/8"  | 3/4" 16h UNF    | 862421206             | 29,12 |
| 1/2"  | 3/4" 16h UNF    | 862421208             | 28,60 |
| 5/8"  | 3/4" 16h UNF    | 862421210             | 46,25 |
| 1/2"  | 3/4" 16h UNF    | 862421408             | 38,68 |
| 5/8"  | 3/4" 16h UNF    | 862421410             | 50,26 |
| 1/2"  | 1"1/16 12h UN   | 862421708             | 51,56 |
| 5/8"  | 1"1/16 12h UN   | 862421710             | 57,34 |
| 3/4"  | 1"1/16 12h UN   | 862421712             | 48,68 |
| 1"    | 1"1/16 12h UN   | 862421716             | 77,80 |
| 3/4"  | 1"5/16 12h UN   | 862422112             | 74,36 |
| 1"    | 1"5/16 12h UN   | 862422116             | 75,65 |

### One piece JIC 37° female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 90°

90° Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 3/16" | 7/16" 20h UNF   | 861380703             | 35,02  |
| 1/4"  | 7/16" 20h UNF   | 861380704             | 25,55  |
| 5/16" | 9/16" 18h UNF   | 861380905             | 32,81  |
| 3/8"  | 9/16" 18h UNF   | 861380906             | 31,24  |
| 1/2"  | 3/4" 16h UNF    | 861381208             | 37,35  |
| 1/2"  | 7/8" 14UNF      | 861381408             | 39,83  |
| 5/8"  | 7/8" 14UNF      | 861381410             | 56,22  |
| 3/4"  | 1"1/16 12h UN   | 861381712             | 65,40  |
| 1"    | 1"5/16 12h UN   | 861382116             | 102,72 |

### One piece JIC 37° male

Machos una sola pieza rosca JIC 37°

Außengewinde einteilig JIC 37°

Mâle pré-serti JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 7/16" 20h UNF   | 861400704             | 22,98 |
| 3/8" | 9/16" 18h UNF   | 861400906             | 30,36 |
| 1/2" | 3/4" 16h UNF    | 861401208             | 29,94 |
| 5/8" | 1"1/16 12h UN   | 861401710             | 54,67 |
| 3/4" | 1"1/16 12h UN   | 861401712             | 50,85 |
| 1"   | 1"5/16 12h UN   | 861402116             | 77,69 |

### One piece JIC 37° female

Hembras giratorias rectas una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC

Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-------|-----------------|-----------------------|-------|
| 1/4"  | 7/16" 20h UNF   | 861420704             | 18,15 |
| 3/16" | 7/16" 20h UNF   | 861420703             | 21,71 |
| 1/4"  | 1/2" 20h UNF    | 861420804             | 19,35 |
| 5/16" | 1/2" 20h UNF    | 861420805             | 24,06 |
| 5/16" | 9/16" 18h UNF   | 861420905             | 21,27 |
| 3/8"  | 9/16" 18h UNF   | 861420906             | 20,54 |
| 3/8"  | 3/4" 16h UNF    | 861421206             | 24,95 |
| 1/2"  | 3/4" 16h UNF    | 861421208             | 25,69 |
| 3/4"  | 1"1/16 12h UN   | 861421712             | 40,50 |
| 1"    | 1"5/16 12h UN   | 861422116             | 63,74 |

### One piece JIC 37° female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 45°

45° Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 861390704             | 25,56  |
| 5/16" | 9/16" 18h UNF   | 861390905             | 32,81  |
| 3/8"  | 9/16" 18h UNF   | 861390906             | 31,24  |
| 1/2"  | 3/4" 16h UNF    | 861391208             | 37,35  |
| 1/2"  | 7/8" 14h UNF    | 861391408             | 39,82  |
| 5/8"  | 7/8" 14h UNF    | 861391410             | 56,22  |
| 3/4"  | 1"1/16 12h UN   | 861391712             | 65,41  |
| 1"    | 1"5/16 12h UN   | 861392116             | 102,72 |



# One piece fittings for Smooth PTFE/ R14

Conexiones una sola pieza PTFE Liso / R14  
Einteilige Armaturen PTFE-Glattschlauch/ R14  
Embouts pré-sertis pour PTFE lisse/ R14

## One piece doble hexagonal ORFS female

Hembras giratorias rectas una sola pieza rosca ORFS doble hex

Dichtkopf mit ORFS einteilig Ü-Mutter doppelt 6 kt

Femelle pré-sertie ORFS double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 869000904             | 34,53  |
| 5/16" | 11/16"-16h      | 869001105             | 43,83  |
| 3/8"  | 11/16"-16h      | 869001106             | 38,84  |
| 1/2"  | 13/16"-16h      | 869001308             | 44,51  |
| 3/4"  | 1"3/16-12h      | 869001912             | 71,99  |
| 1"    | 1"7/16-12h      | 869002316             | 121,13 |

## One piece ORFS female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 90°

90° Femelle pré-sertie ORFS



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 869070904             | 59,34  |
| 3/8" | 11/16"-16h      | 869071106             | 70,87  |
| 1/2" | 13/16"-16h      | 869071308             | 82,53  |
| 5/8" | 1" 14 UNS       | NEW 869071610         | 111,31 |
| 3/4" | 1"3/16-12h      | 869071912             | 132,51 |
| 1"   | 1"7/16-12h      | 869072316             | 194,20 |

## One piece ORFS male

Machos una sola pieza rosca ORFS

Außengewinde einteilig ORFS

Mâle pré-serti ORFS



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 869120904             | 40,42  |
| 3/8" | 11/16"-16h      | 869121106             | 39,61  |
| 1/2" | 13/16"-16h      | 869121308             | 49,16  |
| 3/4" | 1"3/16-12h      | 869121912             | 88,99  |
| 1"   | 1"7/16-12h      | 869122316             | 125,10 |

## One piece ORFS female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 45°

45° Femelle pré-sertie ORFS



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 9/16"-18h       | 869080904             | 59,34  |
| 3/8" | 11/16"-16h      | 869081106             | 70,87  |
| 1/2" | 13/16"-16h      | 869081308             | 82,53  |
| 3/4" | 1"3/16-12h      | 869081912             | 132,51 |
| 1"   | 1"7/16-12h      | 869082316             | 194,20 |

## One piece fittings for Smooth PTFE/ R14

Conexiones una sola pieza PTFE Liso / R14  
Einteilige Armaturen PTFE-Glattschlauch/ R14  
Embouts pré-sertis pour PTFE lisse/ R14

### One piece double hexagonal NPSM female 60° cone

Hembras giratorias rectas una sola pieza NPSM (60°) doble hex

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. doppelt 6 kt

Femelle pré-sertie NPSM cône 60° double hexagonal



| DN   | ROSCA THREAD       | Referencia Part n° | €     |
|------|--------------------|--------------------|-------|
| 1/4" | 1/4" NPSM          | 863610404          | 31,57 |
| 3/8" | 3/8" 18h NPSM      | 863610606          | 33,31 |
| 1/2" | 1/2" 14h NPSM      | 863610808          | 39,56 |
| 3/4" | 3/4" NPSM          | 863611212          | 60,26 |
| 1"   | 1" - 11 1/2 h NPSM | 863611616          | 94,74 |

### One piece NPSM female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. 90°

90° Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA THREAD       | Referencia Part n° | €      |
|------|--------------------|--------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 862620404          | 30,63  |
| 3/8" | 3/8" 18h NPSM      | 862620606          | 35,51  |
| 1/2" | 1/2" 14h NPSM      | 862620808          | 48,32  |
| 3/4" | 3/4" 14h NPSM      | 862621212          | 72,21  |
| 1"   | 1" - 11 1/2 h NPSM | 862621616          | 108,11 |

### One piece NPT male pipe

Machos una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle pré-serti NPT



| DN    | ROSCA THREAD | Referencia Part n° | €      |
|-------|--------------|--------------------|--------|
| 1/4"  | 1/8" NPT     | 861610204          | 23,92  |
| 3/16" | 1/4" NPT     | 861610403          | 27,90  |
| 1/4"  | 1/4" NPT     | 861610404          | 18,09  |
| 5/16" | 1/4" NPT     | 861610405          | 27,14  |
| 3/8"  | 1/4" NPT     | 861610406          | 27,09  |
| 1/4"  | 3/8" NPT     | 861610604          | 25,92  |
| 5/16" | 3/8" NPT     | 861610605          | 29,59  |
| 3/8"  | 3/8" NPT     | 861610606          | 20,57  |
| 1/2"  | 1/2" NPT     | 861610608          | 33,12  |
| 3/8"  | 1/2" NPT     | 861610806          | 33,24  |
| 1/2"  | 1/2" NPT     | 861610808          | 26,45  |
| 5/8"  | 1/2" NPT     | 861610810          | 41,47  |
| 1/2"  | 3/4" NPT     | 861611208          | 45,07  |
| 5/8"  | 3/4" NPT     | 861611210          | 53,42  |
| 3/4"  | 3/4" NPT     | 861611212          | 42,74  |
| 3/4"  | 1" NPT       | 861611612          | 68,84  |
| 1"    | 1" NPT       | 861611616          | 69,22  |
| 1"    | 1" 1/4 NPT   | 861612016          | 112,63 |

### One piece NPSM female 60° cone

Hembras giratorias rectas una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon.

Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA THREAD       | Referencia Part n° | €     |
|------|--------------------|--------------------|-------|
| 1/4" | 1/4" 18h NPSM      | 862610404          | 21,14 |
| 3/8" | 3/8" 18h NPSM      | 862610606          | 22,87 |
| 1/2" | 1/2" 14h NPSM      | 862610808          | 30,87 |
| 3/4" | 3/4" 14h NPSM      | 862611212          | 46,67 |
| 1"   | 1" - 11 1/2 h NPSM | 862611616          | 73,61 |

### One piece NPSM female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. 45°

45° Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA THREAD       | Referencia Part n° | €      |
|------|--------------------|--------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 862630404          | 30,63  |
| 3/8" | 3/8" 18h NPSM      | 862630606          | 35,51  |
| 1/2" | 1/2" 14h NPSM      | 862630808          | 48,32  |
| 3/4" | 3/4" 14h NPSM      | 862631212          | 72,21  |
| 1"   | 1" - 11 1/2 h NPSM | 862631616          | 108,11 |

# One piece fittings for Smooth PTFE/ R14

Conexiones una sola pieza PTFE Liso / R14  
 Einteilige Armaturen PTFE-Glattschlauch/ R14  
 Embouts pré-sertis pour PTFE lisse/ R14

## One piece Metric female 24° cone

Hembras gir DKO rectas una sola pieza rosca Métrica 24°

Dichtkopf metr. einteilig Ü-Mutter kon. 24°

Femelle pré-sertie Métrique cône 24°



| DN   | TUBO PIPE | SERIE SERIES | ROSCA THREAD | Referencia Part n° | €     |
|------|-----------|--------------|--------------|--------------------|-------|
| 1/4" | 8         | L            | M14x1.5      | 86804140804        | 17,44 |
| 3/8" | 12        | L            | M18x1.5      | 86804181206        | 21,05 |
| 1/2" | 12        | L            | M18x1.5      | 86804181208        | 36,24 |
| 1/2" | 15        | L            | M22x1.5      | 86804221508        | 27,29 |
| 3/4" | 18        | L            | M26x1.5      | 86804261812        | 59,11 |
| 3/4" | 22        | L            | M30x2        | 86804302212        | 45,99 |
| 1"   | 28        | L            | M36x2        | 86804362816        | 72,69 |
| 1/4" | 8         | S            | M16x1.5      | 86804160804        | 19,18 |
| 3/8" | 12        | S            | M20x1.5      | 86804201206        | 23,87 |
| 1/2" | 16        | S            | M24x1.5      | 86804241608        | 27,46 |
| 3/4" | 25        | S            | M36x2        | 86804362512        | 65,91 |
| 1"   | 30        | S            | M42x2        | 86804423016        | 91,82 |

## One piece Metric female 24° cone (90° Elbow)

Hembras gir DKO90° una sola pieza rosca Métrica 24°

Dichtkopf 90° metr. einteilig Ü-Mutter kon. 24°

90° Femelle pré-sertie Métrique cône 24°



| DN   | TUBO PIPE | SERIE SERIES | ROSCA THREAD | Referencia Part n° | €      |
|------|-----------|--------------|--------------|--------------------|--------|
| 1/4" | 8         | L            | M14x1.5      | 86305140804        | 26,02  |
| 3/8" | 12        | L            | M18x1.5      | 86305181206        | 30,81  |
| 1/2" | 15        | L            | M22x1.5      | 86305221508        | 38,38  |
| 3/4" | 22        | L            | M30x2        | 86305302212        | 71,34  |
| 1"   | 28        | L            | M36x2        | 86305362816        | 107,90 |
| 1/4" | 8         | S            | M16x1.5      | 86305160804        | 30,21  |
| 3/8" | 12        | S            | M20x1.5      | 86305201206        | 35,54  |
| 1/2" | 16        | S            | M24x1.5      | 86305241608        | 40,94  |
| 3/4" | 25        | S            | M36x2        | 86305362512        | 97,74  |
| 1"   | 30        | S            | M42x2        | 86305423016        | 145,88 |

## One piece Metric male 24° cone

Machos compactos rosca Métrica cono 24°

Außengewinde einteilig metr. kon. 24°

Mâle pré-serti Métrique cône 24°



| DN   | TUBO PIPE | SERIE SERIES | ROSCA THREAD | Referencia Part n° | €      |
|------|-----------|--------------|--------------|--------------------|--------|
| 1/4" | 8         | L            | M14x1.5      | 86203140804        | 21,10  |
| 3/8" | 12        | L            | M18x1.5      | 86203181206        | 19,48  |
| 1/2" | 15        | L            | M22x1.5      | 86203221508        | 27,34  |
| 3/4" | 22        | L            | M30x2        | 86203302212        | 51,54  |
| 1"   | 28        | L            | M36x2        | 86203362816        | 78,09  |
| 1/4" | 8         | S            | M16x1.5      | 86203160804        | 26,88  |
| 3/8" | 12        | S            | M20x1.5      | 86203201206        | 28,13  |
| 1/2" | 16        | S            | M24x1.5      | 86203241608        | 30,39  |
| 3/4" | 25        | S            | M36x2        | 86203362512        | 73,88  |
| 1"   | 30        | S            | M42x2        | 86203423016        | 116,08 |

## One piece Metric female 24° cone (45° Elbow)

Hembras gir DKO45° una sola pieza rosca Métrica 24°

Dichtkopf 45° metr. einteilig Ü-Mutter kon. 24°

45° Femelle pré-sertie Métrique cône 24°



| DN   | TUBO PIPE | ROSCA THREAD | SERIE SERIES | Referencia Part n° | €      |
|------|-----------|--------------|--------------|--------------------|--------|
| 1/4" | 8         | M14x1.5      | L            | 86306140804        | 26,02  |
| 3/8" | 12        | M18x1.5      | L            | 86306181206        | 30,81  |
| 1/2" | 15        | M22x1.5      | L            | 86306221508        | 38,38  |
| 3/4" | 22        | M30x2        | L            | 86306302212        | 71,34  |
| 1"   | 28        | M36x2        | L            | 86306362816        | 107,90 |
| 1/4" | 8         | M16x1.5      | S            | 86306160804        | 30,21  |
| 3/8" | 12        | M20x1.5      | S            | 86306201206        | 35,54  |
| 1/2" | 16        | M24x1.5      | S            | 86306241608        | 40,94  |
| 3/4" | 25        | M36x2        | S            | 86306362512        | 97,74  |
| 1"   | 30        | M42x2        | S            | 86306423016        | 145,88 |

## One piece fittings for Smooth PTFE/ R14

Conexiones una sola pieza PTFE Liso / R14  
Einteilige Armaturen PTFE-Glattschlauch/ R14  
Embouts pré-sertis pour PTFE lisse/ R14

### One piece double hexagonal BSP female 60° cone

Hembras giratorias rectas una sola pieza BSP (60°) doble hex  
Dichtkopf mit Überwurfmutter einteilig BSP 60° kon. doppelt 6 kt

Femelle pré-sertie BSP cône 60° double hexagonal



| DN   | ROSCA THREAD | Referencia Part n° | €     |
|------|--------------|--------------------|-------|
| 1/4" | 1/4" BSP     | 864000404          | 26,53 |
| 3/8" | 3/8" BSP     | 864000606          | 29,66 |
| 1/2" | 1/2" BSP     | 864000808          | 31,83 |
| 3/4" | 3/4" BSP     | 864001212          | 59,03 |
| 1"   | 1" BSP       | 864001616          | 82,90 |

### One piece BSP female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon. 90°

90° Femelle pré-sertie BSP cône 60°



| DN   | ROSCA THREAD | Referencia Part n° | €     |
|------|--------------|--------------------|-------|
| 1/4" | 1/4" BSP     | 861070404          | 24,54 |
| 3/8" | 3/8" BSP     | 861070606          | 28,55 |
| 1/2" | 1/2" BSP     | 861070808          | 34,92 |
| 1/2" | 3/4" BSP     | NEW 861071208      | 55,32 |
| 3/4" | 3/4" BSP     | 861071212          | 63,53 |
| 1"   | 1" BSP       | 861071616          | 99,54 |

### One piece BSP male 60° cone

Machos una sola pieza rosca cilíndrica BSP cono 60°

Außengewinde zyl. einteilig kon. BSP 60°

Mâle pré-serti BSP cône 60°



| DN   | ROSCA THREAD | Referencia Part n° | €     |
|------|--------------|--------------------|-------|
| 1/4" | 1/4" BSP     | 861120404          | 19,30 |
| 3/8" | 3/8" BSP     | 861120606          | 22,00 |
| 1/2" | 1/2" BSP     | 861120808          | 28,51 |
| 3/4" | 3/4" BSP     | 861121212          | 43,75 |
| 1"   | 1" BSP       | 861121616          | 79,82 |

### One piece BSP female 60° cone

Hembras giratorias rectas una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon.

Femelle pré-sertie BSP cône 60°



| DN    | ROSCA THREAD | Referencia Part n° | €     |
|-------|--------------|--------------------|-------|
| 3/16" | 1/4" BSP     | 861000403          | 23,91 |
| 1/4"  | 1/4" BSP     | 861000404          | 16,87 |
| 3/8"  | 3/8" BSP     | 861000606          | 20,01 |
| 1/2"  | 1/2" BSP     | 861000808          | 24,42 |
| 3/4"  | 3/4" BSP     | 861001212          | 40,15 |
| 1"    | 1" BSP       | 861001616          | 63,78 |

### One piece BSP female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca BSP cono 60°

Dichtkopf mit Überwurfmutter einteilig BSP 60° kon. 45°

45° Femelle pré-sertie BSP cône 60°



| DN   | ROSCA THREAD | Referencia Part n° | €     |
|------|--------------|--------------------|-------|
| 1/4" | 1/4" BSP     | 861080404          | 24,54 |
| 3/8" | 3/8" BSP     | 861080606          | 28,55 |
| 1/2" | 1/2" BSP     | 861080808          | 34,93 |
| 3/4" | 3/4" BSP     | 861081212          | 63,53 |
| 1"   | 1" BSP       | 861081616          | 99,54 |

### One piece gas standpipe

Espiga lisa una sola pieza recta gas

Stutzen gerade GAS einteilig glatt

Embout pré-serti lisse droit gas



| TUBO PIPE | DN   | Referencia Part n° | €     |
|-----------|------|--------------------|-------|
| 6.4       | 1/4" | 861590604          | 17,13 |
| 9.5       | 3/8" | 861590906          | 20,64 |
| 12.7      | 3/8" | 861591206          | 22,30 |
| 12.7      | 1/2" | 861591208          | 23,13 |
| 15.8      | 5/8" | 861591510          | 38,49 |
| 19.05     | 3/4" | NEW 861591912      | 43,58 |
| 25.4      | 1"   | NEW 861592516      | 63,76 |

# One piece fittings for convoluted PTFE

Conexiones una sola pieza PTFE Corrugado  
Einteilige Armaturen PTFE-Well Schlauch  
Embouts pré-sertis pour PTFE convoluté

## One piece JIC 37° double hexagonal female

Hembras giratorias rectas una sola pieza rosca JIC 37° doble hex

Dichtkopf einteilig Ü-Mutter 37° JIC doppelt 6 kt

Femelle pré-sertie JIC 37° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 852420704             | 21,86  |
| 3/8"  | 1/2" 20 UNF     | 852420806             | 32,21  |
| 3/8"  | 9/16" 18h UNF   | 852420906             | 24,66  |
| 1/2"  | 3/4" 16h UNF    | 852421208             | 29,55  |
| 1/2"  | 7/8" 14UNF      | 852421408             | 39,63  |
| 5/8"  | 7/8" 14UNF      | 852421410             | 46,52  |
| 5/8"  | 1"1/16 12 UN    | 852421710             | 53,60  |
| 3/4"  | 1"1/16 12h UN   | 852421712             | 50,19  |
| 1"    | 1"5/16 12h UN   | 852422116             | 79,44  |
| 1"1/4 | 1"5/8 12h UN    | 852422620             | 142,74 |
| 1"1/2 | 1"7/8 12h UN    | 852423024             | 188,38 |
| 2"    | 2"1/2 12h UN    | 852424032             | 370,70 |

## One piece JIC 37° female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 90°

90° Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 851380704             | 26,35  |
| 3/8"  | 9/16" 18h UNF   | 851380906             | 31,46  |
| 1/2"  | 3/4" 16h UNF    | 851381208             | 38,30  |
| 3/4"  | 1"1/16 12h UN   | 851381712             | 66,92  |
| 1"    | 1"5/16 12h UN   | 851382116             | 106,52 |
| 1"1/4 | 1"5/8 12h UN    | 851382620             | 171,67 |
| 1"1/2 | 1"7/8 12h UN    | 851383024             | 263,03 |
| 2"    | 2"1/2 12h UN    | 851384032             | 536,71 |

## One piece JIC 37° male

Machos una sola pieza rosca JIC 37°

Außengewinde einteilig JIC 37°

Mâle pré-serti JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 851400704             | 23,78  |
| 3/8"  | 9/16" 18h UNF   | 851400906             | 30,58  |
| 1/2"  | 3/4" 16h UNF    | 851401208             | 30,89  |
| 5/8"  | 1"1/16 12h UN   | 851401710             | 50,93  |
| 3/4"  | 1"1/16 12h UN   | 851401712             | 52,37  |
| 1"    | 1"5/16 12h UN   | 851402116             | 81,48  |
| 1"1/4 | 1"5/8 12h UN    | 851402620             | 139,22 |
| 1"1/2 | 1"7/8 12h UN    | 851403024             | 168,23 |
| 2"    | 2"1/2 12h UN    | 851404032             | 347,55 |

## One piece JIC 37° female

Hembras giratorias rectas una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC

Femelle pré-sertie JIC 37°



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 1/4"   | 7/16" 20h UNF   | 851420704             | 18,95  |
| 5/16"  | 1/2" 20h UNF    | 851420805             | 24,26  |
| 3/8"   | 9/16" 18h UNF   | 851420906             | 20,76  |
| 1/2"   | 3/4" 16h UNF    | 851421208             | 26,64  |
| 3/4"   | 1"1/16 12h UN   | 851421712             | 42,02  |
| 1"     | 1"5/16 12h UN   | 851422116             | 67,53  |
| 1" 1/4 | 1"5/8 12h UN    | 851422620             | 112,80 |
| 1"1/2  | 1"7/8 12h UN    | 851423024             | 154,58 |
| 2"     | 2" 1/2 12h UN   | 851424032             | 281,82 |

## One piece JIC 37° female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca JIC 37°

Dichtkopf einteilig Ü-Mutter 37° JIC 45°

45° Femelle pré-sertie JIC 37°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 7/16" 20h UNF   | 851390704             | 26,36  |
| 3/8"  | 9/16" 18h UNF   | 851390906             | 31,46  |
| 1/2"  | 3/4" 16h UNF    | 851391208             | 38,30  |
| 3/4"  | 1"1/16 12h UN   | 851391712             | 66,92  |
| 1"    | 1"5/16 12h UN   | 851392116             | 106,52 |
| 1"1/4 | 1"5/8 12h UN    | 851392620             | 171,67 |
| 1"1/2 | 1"7/8 12h UN    | 851393024             | 263,03 |
| 2"    | 2"1/2 12h UN    | 851394032             | 536,70 |

## One piece fittings for convoluted PTFE

Conexiones una sola pieza PTFE Corrugado

Einteilige Armaturen PTFE-Wellenschlauch

Embouts pré-sertis pour PTFE convoluté

### One piece doble hexagonal ORFS female

Hembras giratorias rectas una sola pieza rosca ORFS doble hex

Dichtkopf mit ORFS einteilig Ü-Mutter doppelt 6 kt

Femelle pré-sertie ORFS double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 859000904             | 35,33  |
| 3/8"  | 11/16"-16h      | 859001106             | 39,05  |
| 1/2"  | 13/16"-16h      | 859001308             | 45,46  |
| 3/4"  | 1"3/16-12h      | 859001912             | 73,51  |
| 1"    | 1"7/16-12h      | 859002316             | 124,93 |
| 1"1/4 | 1"11/16-16h     | 859002720             | 193,14 |
| 1"1/2 | 2" 12h          | 859003224             | 232,30 |

### One piece ORFS female (90° Elbow)

Hembras giratorias 90° una sola pieza rosca ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 90°

90° Femelle pré-sertie ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 859070904             | 60,14  |
| 3/8"  | 11/16"-16h      | 859071106             | 71,09  |
| 1/2"  | 13/16"-16h      | 859071308             | 83,47  |
| 3/4"  | 1"3/16-12h      | 859071912             | 134,02 |
| 1"    | 1"7/16-12h      | 859072316             | 198,00 |
| 1"1/4 | 1"11/16-16h     | 859072720             | 283,21 |
| 1"1/2 | 2" 12h          | 859073224             | 747,39 |

### One piece ORFS male

Machos una sola pieza rosca ORFS

Außengewinde einteilig ORFS

Mâle pré-serti ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 859120904             | 41,22  |
| 3/8"  | 11/16"-16h      | 859121106             | 39,83  |
| 1/2"  | 13/16"-16h      | 859121308             | 50,10  |
| 3/4"  | 1"3/16-12h      | 859121912             | 90,50  |
| 1"    | 1"7/16-12h      | 859122316             | 128,90 |
| 1"1/4 | 1"11/16-12h     | 859122720             | 183,89 |
| 1"1/2 | 2" 12h          | 859123224             | 266,75 |

### One piece ORFS female (45° Elbow)

Hembras giratorias 45° una sola pieza rosca ORFS

Dichtkopf mit ORFS einteilig Ü-Mutter 45°

45° Femelle pré-sertie ORFS



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 9/16"-18h       | 859080904             | 60,14  |
| 3/8"  | 11/16"-16h      | 859081106             | 71,09  |
| 1/2"  | 13/16"-16h      | 859081308             | 83,47  |
| 3/4"  | 1"3/16-12h      | 859081912             | 134,02 |
| 1"    | 1"7/16-12h      | 859082316             | 198,00 |
| 1"1/4 | 1"11/16-16h     | 859082720             | 283,21 |
| 1"1/2 | 2" 12h          | 859083224             | 747,39 |



# One piece fittings for convoluted PTFE

Conexiones una sola pieza PTFE Corrugado  
Einteilige Armaturen PTFE-Wellschlauch  
Embouts pré-sertis pour PTFE convoluté

## One piece double hexagonal NPSM female 60° cone

Hembras gir rectas una sola pieza NPSM (60°) doble hex  
Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. doppelt 6 kt  
Femelle pré-sertie NPSM cône 60° double hexagonal



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €     |
|------|--------------------|-----------------------|-------|
| 1/4" | 1/4" NPSM          | 853610404             | 32,37 |
| 3/8" | 3/8" 18h NPSM      | 853610606             | 33,53 |
| 1/2" | 1/2" 14h NPSM      | 853610808             | 40,51 |
| 3/4" | 3/4" NPSM          | 853611212             | 61,78 |
| 1"   | 1" - 11 1/2 h NPSM | 853611616             | 98,53 |

## One piece NPSM female 60° cone

Hembras giratorias rectas una sola pieza rosca NPSM cono 60°

Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon.

Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €     |
|------|--------------------|-----------------------|-------|
| 1/4" | 1/4" 18h NPSM      | 852610404             | 21,94 |
| 3/8" | 3/8" 18h NPSM      | 852610606             | 23,09 |
| 1/2" | 1/2" 14h NPSM      | 852610808             | 31,82 |
| 3/4" | 3/4" 14h NPSM      | 852611212             | 48,19 |
| 1"   | 1" - 11 1/2 h NPSM | 852611616             | 77,41 |

## One piece NPSM female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca NPSM cono 60°  
Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. 90°

90° Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 852620404             | 31,43  |
| 3/8" | 3/8" 18h NPSM      | 852620606             | 35,73  |
| 1/2" | 1/2" 14h NPSM      | 852620808             | 49,27  |
| 3/4" | 3/4" 14h NPSM      | 852621212             | 73,73  |
| 1"   | 1" - 11 1/2 h NPSM | 852621616             | 111,91 |

## One piece NPSM female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca NPSM cono 60°  
Dichtkopf mit NPSM einteilig Ü-Mutter 60° kon. 45°

45° Femelle pré-sertie NPSM cône 60°



| DN   | ROSCA<br>THREAD    | Referencia<br>Part n° | €      |
|------|--------------------|-----------------------|--------|
| 1/4" | 1/4" 18h NPSM      | 852630404             | 31,43  |
| 3/8" | 3/8" 18h NPSM      | 852630606             | 35,73  |
| 1/2" | 1/2" 14h NPSM      | 852630808             | 49,27  |
| 3/4" | 3/4" 14h NPSM      | 852631212             | 73,73  |
| 1"   | 1" - 11 1/2 h NPSM | 852631616             | 111,91 |

## One piece NPT male pipe straight

Machos una sola pieza rosca cónica NPT

Außengewinde einteilig kon. NPT

Mâle pré-serti NPT



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/8" NPT        | 851610204             | 24,72  |
| 1/4"  | 1/4" NPT        | 851610404             | 18,89  |
| 5/16" | 1/4" NPT        | 851610405             | 27,34  |
| 3/8"  | 1/4" NPT        | 851610406             | 27,31  |
| 1/4"  | 3/8" NPT        | 851610604             | 26,72  |
| 5/16" | 3/8" NPT        | 851610605             | 29,80  |
| 3/8"  | 3/8" NPT        | 851610606             | 20,79  |
| 1/2"  | 3/8" NPT        | 851610608             | 34,07  |
| 3/8"  | 1/2" NPT        | 851610806             | 33,46  |
| 1/2"  | 1/2" NPT        | 851610808             | 27,40  |
| 5/8"  | 1/2" NPT        | 851610810             | 37,72  |
| 1/2"  | 3/4" NPT        | 851611208             | 46,02  |
| 5/8"  | 3/4" NPT        | 851611210             | 49,68  |
| 3/4"  | 3/4" NPT        | 851611212             | 44,26  |
| 3/4"  | 1" NPT          | 851611612             | 70,36  |
| 1"    | 1" NPT          | 851611616             | 73,02  |
| 1"    | 1"1/4 NPT       | 851612016             | 116,43 |
| 1"1/4 | 1"1/4 NPT       | 851612020             | 127,42 |
| 1"1/2 | 1"1/2 NPT       | 851612424             | 155,78 |
| 2"    | 2" NPT          | 851613232             | 265,73 |

## One piece fittings for convoluted PTFE

Conexiones una sola pieza PTFE Corrugado

Einteilige Armaturen PTFE-Wellenschlauch

Embouts pré-sertis pour PTFE convoluté

### One piece Metric female 24° cone

Hembras gir DKO rectas una sola pieza rosca Métrica cono 24°

Dichtkopf metr. einteilig Ü-Mutter kon. 24°

Femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 8            | L               | M14x1.5         | 85804140804           | 18,24  |
| 3/8"  | 12           | L               | M18x1.5         | 85804181206           | 21,27  |
| 1/2"  | 15           | L               | M22x1.5         | 85804221508           | 28,24  |
| 3/4"  | 22           | L               | M30x2           | 85804302212           | 47,51  |
| 1"    | 28           | L               | M36x2           | 85804362816           | 76,49  |
| 1"1/4 | 35           | L               | M45x2           | 85804453520           | 112,85 |
| 1"1/2 | 42           | L               | M52x2           | 85804524224           | 162,21 |
| 1/4"  | 8            | S               | M16x1.5         | 85804160804           | 19,98  |
| 3/8"  | 12           | S               | M20x1.5         | 85804201206           | 24,08  |
| 1/2"  | 16           | S               | M24x1.5         | 85804241608           | 28,40  |
| 3/4"  | 25           | S               | M36x2           | 85804362512           | 67,43  |
| 1"    | 30           | S               | M42x2           | 85804423016           | 95,62  |
| 1"1/4 | 38           | S               | M52x2           | 85804523820           | 157,97 |

### One piece Metric female 24° cone (90° Elbow)

Hembras gir DKO 90° una sola pieza rosca Métrica cono 24°

Dichtkopf 90° metr. einteilig Ü-Mutter kon. 24°

90° Femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | ROSCA<br>THREAD | SERIE<br>SERIES | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 8            | M14x1.5         | L               | 85305140804           | 26,82  |
| 3/8"  | 12           | M18x1.5         | L               | 85305181206           | 31,03  |
| 1/2"  | 15           | M22x1.5         | L               | 85305221508           | 39,33  |
| 3/4"  | 22           | M30x2           | L               | 85305302212           | 72,85  |
| 1"    | 28           | M36x2           | L               | 85305362816           | 111,70 |
| 1"1/4 | 35           | M45x2           | L               | 85305453520           | 183,15 |
| 1"1/2 | 42           | M52x2           | L               | 85305524224           | 278,16 |
| 1/4"  | 8            | M16x1.5         | S               | 85305160804           | 31,01  |
| 3/8"  | 12           | M20x1.5         | S               | 85305201206           | 35,76  |
| 1/2"  | 16           | M24x1.5         | S               | 85305241608           | 41,89  |
| 3/4"  | 25           | M36x2           | S               | 85305362512           | 99,26  |
| 1"    | 30           | M42x2           | S               | 85305423016           | 149,68 |
| 1"1/4 | 38           | M52x2           | S               | 85305523820           | 252,05 |

### One piece Metric male 24° cone

Machos una sola pieza rosca Métrica cono 24°

Außengewinde einteilig metr. kon. 24°

Mâle pré-serti Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 8            | L               | M14x1.5         | 85203140804           | 21,90  |
| 3/8"  | 12           | L               | M18x1.5         | 85203181206           | 19,69  |
| 1/2"  | 15           | L               | M22x1.5         | 85203221508           | 28,29  |
| 3/4"  | 22           | L               | M30x2           | 85203302212           | 53,06  |
| 1"    | 28           | L               | M36x2           | 85203362816           | 81,89  |
| 1"1/4 | 35           | L               | M45x2           | 85203453520           | 136,14 |
| 1"1/2 | 42           | L               | M52x2           | 85203524224           | 197,13 |
| 1/4"  | 8            | S               | M16x1.5         | 85203160804           | 27,68  |
| 3/8"  | 12           | S               | M20x1.5         | 85203201206           | 28,35  |
| 1/2"  | 16           | S               | M24x1.5         | 85203241608           | 31,34  |
| 3/4"  | 25           | S               | M36x2           | 85203362512           | 75,40  |
| 1"    | 30           | S               | M42x2           | 85203423016           | 119,88 |
| 1"1/4 | 38           | S               | M52x2           | 85203523820           | 185,64 |

### One piece Metric female 24° cone (45° Elbow)

Hembras gir DKO 45° una sola pieza rosca Métrica cono 24°

Dichtkopf 45° metr. einteilig Ü-Mutter kon. 24°

45° Femelle pré-sertie Métrique cône 24°



| DN    | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4"  | 8            | L               | M14x1.5         | 85306140804           | 26,82  |
| 3/8"  | 12           | L               | M18x1.5         | 85306181206           | 31,03  |
| 1/2"  | 15           | L               | M22x1.5         | 85306221508           | 39,33  |
| 3/4"  | 22           | L               | M30x2           | 85306302212           | 72,85  |
| 1"    | 28           | L               | M36x2           | 85306362816           | 111,70 |
| 1"1/4 | 35           | L               | M45x2           | 85306453520           | 183,15 |
| 1"1/2 | 42           | L               | M52x2           | 85306524224           | 278,16 |
| 1/4"  | 8            | S               | M16x1.5         | 85306160804           | 31,01  |
| 3/8"  | 12           | S               | M20x1.5         | 85306201206           | 35,76  |
| 1/2"  | 16           | S               | M24x1.5         | 85306241608           | 41,89  |
| 3/4"  | 25           | S               | M36x2           | 85306362512           | 99,26  |
| 1"    | 30           | S               | M42x2           | 85306423016           | 149,68 |
| 1"1/4 | 38           | S               | M52x2           | 85306523820           | 252,05 |

# One piece fittings for convoluted PTFE

Conexiones una sola pieza PTFE Corrugado  
Einteilige Armaturen PTFE-Well Schlauch  
Embouts pré-sertis pour PTFE convoluté

## One piece double hexagonal BSP female 60° cone

Hembras giratorias rectas una sola pieza rosca BSP (60°) doble hex  
Dichtkopf mit Ü-Mutter einteilig BSP 60° kon. doppelt 6 kt

Femelle pré-sertie BSP cône 60° double hexagonal



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 854000404             | 27,33  |
| 3/8"  | 3/8" BSP        | 854000606             | 29,88  |
| 1/2"  | 1/2" BSP        | 854000808             | 32,77  |
| 3/4"  | 3/4" BSP        | 854001212             | 60,54  |
| 1"    | 1" BSP          | 854001616             | 86,70  |
| 1"1/4 | 1"1/4 BSP       | 854002020             | 132,14 |
| 1"1/2 | 1"1/2 BSP       | 854002424             | 196,63 |
| 2"    | 2" BSP          | 854003232             | 339,51 |

## One piece BSP female 60° cone (90° Elbow)

Hembras giratorias 90° una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon. 90°

90° Femelle pré-sertie BSP cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 851070404             | 25,34  |
| 3/8"  | 3/8" BSP        | 851070606             | 28,76  |
| 1/2"  | 1/2" BSP        | 851070808             | 35,87  |
| 3/4"  | 3/4" BSP        | 851071212             | 65,04  |
| 1"    | 1" BSP          | 851071616             | 103,34 |
| 1"1/4 | 1"1/4 BSP       | 851072020             | 173,49 |
| 1"1/2 | 1"1/2 BSP       | 851072424             | 256,53 |
| 2"    | 2" BSP          | 851073232             | 460,12 |

## One piece BSP male 60° cone

Machos una sola pieza rosca cilíndrica BSP cono 60°

Außengewinde zyl. einteilig kon. BSP 60°

Mâle pré-serti BSP cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 851120404             | 20,10  |
| 3/8"  | 3/8" BSP        | 851120606             | 22,22  |
| 1/2"  | 1/2" BSP        | 851120808             | 29,46  |
| 3/4"  | 3/4" BSP        | 851121212             | 45,27  |
| 1"    | 1" BSP          | 851121616             | 83,61  |
| 1"1/4 | 1"1/4 BSP       | 851122020             | 140,89 |
| 1"1/2 | 1"1/2 BSP       | 851122424             | 171,91 |
| 2"    | 2" BSP          | 851123232             | 284,78 |

## One piece BSP female 60° cone

Hembras giratorias rectas una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon.

Femelle pré-sertie BSP cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 851000404             | 17,66  |
| 3/8"  | 3/8" BSP        | 851000606             | 20,23  |
| 1/2"  | 1/2" BSP        | 851000808             | 25,37  |
| 3/4"  | 3/4" BSP        | 851001212             | 41,66  |
| 1"    | 1" BSP          | 851001616             | 67,58  |
| 1"1/4 | 1"1/4 BSP       | 851002020             | 113,74 |
| 1"1/2 | 1"1/2 BSP       | 851002424             | 141,92 |
| 2"    | 2" BSP          | 851003232             | 246,40 |

## One piece BSP female 60° cone (45° Elbow)

Hembras giratorias 45° una sola pieza rosca BSP cono 60°

Dichtkopf mit Ü-Mutter einteilig BSP 60° kon. 45°

45° Femelle pré-sertie BSP cône 60°



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|-----------------|-----------------------|--------|
| 1/4"  | 1/4" BSP        | 851080404             | 25,34  |
| 3/8"  | 3/8" BSP        | 851080606             | 28,76  |
| 1/2"  | 1/2" BSP        | 851080808             | 35,87  |
| 3/4"  | 3/4" BSP        | 851081212             | 65,04  |
| 1"    | 1" BSP          | 851081616             | 103,34 |
| 1"1/4 | 1"1/4 BSP       | 851082020             | 173,49 |
| 1"1/2 | 1"1/2 BSP       | 851082424             | 256,53 |
| 2"    | 2" BSP          | 851083232             | 460,12 |

## Reusable series

Conexiones Reusables  
Schraubarmaturen  
Embouts série récupérable

### One Piece Swivel Female R2AT JIC 37°

Hembras giratorias rectas una sola pieza R2T rosca JIC 37°

Dichtkopf Mit Ü-Mutter Einteilig R2T Gewinde JIC 37°

Femelle tournante 1 pièce R2AT JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | Z3J-07-04-R2T         | 64,93  |
| 3/8" | 9/16" 18h UNF   | Z3J-09-06-R2T         | 65,12  |
| 1/2" | 3/4" 16h UNF    | Z3J-12-08-R2T         | 74,17  |
| 1/2" | 7/8" 14h UNF    | Z3J-14-08-R2T         | 91,42  |
| 5/8" | 7/8" 14h UNF    | Z3J-14-10-R2T         | 101,74 |
| 3/4" | 1" 1/16 12h UNF | Z3J-17-12-R2T         | 124,92 |
| 1"   | 1" 5/16 12h UNF | Z3J-21-16-R2T         | 188,19 |

### One Piece Male R2AT NPT

Machos una sola pieza R2T rosca cónica NPT

Aussengewinde Einteilig R2T Kegelig NPT

Mâle 1 pièce 2AT NPT



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 1/4" NPT        | Z2NPT-04-04-R2T       | 60,39  |
| 3/8" | 3/8" NPT        | Z2NPT-06-06-R2T       | 62,45  |
| 1/2" | 1/2" NPT        | Z2NPT-08-08-R2T       | 70,66  |
| 3/4" | 3/4" NPT        | Z2NPT-12-12-R2T       | 116,69 |
| 1"   | 1" NPT          | Z2NPT-16-16-R2T       | 153,84 |

### Reusable ferrules R1T/1SN non skive

Casquillos reus para manguera R1T/1SN no pelar

Schraubfassung für R1T/1SN ohne Schälén

Jupes récupérables R1T/1SN sans dénudage



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/4"  | Z1G-4 R1T INOX        | 30,51 |
| 5/16" | Z1G-5 R1T INOX        | 42,24 |
| 3/8"  | Z1G-6 R1T INOX        | 27,40 |
| 1/2"  | Z1G-8 R1T INOX        | 33,92 |
| 3/4"  | Z1G-12 R1T INOX       | 46,58 |
| 1"    | Z1G-16 R1T INOX       | 83,57 |

### Reusable ferrules R2AT/2SN non skive

Casquillos reus para manguera R2AT/2SN no pelar

Schraubfassung für R2AT/2SN ohne Schälén

Jupes récupérables R2AT/2SN sans dénudage



| DN   | Referencia<br>Part n° | €     |
|------|-----------------------|-------|
| 1/4" | Z1G-4 R2T INOX        | 31,36 |
| 3/8" | Z1G-6 R2T INOX        | 26,01 |
| 1/2" | Z1G-8 R2T INOX        | 29,02 |
| 5/8" | Z1G-10 R2T INOX       | 47,27 |
| 3/4" | Z1G-12 R2T INOX       | 55,70 |
| 1"   | Z1G-16 R2T INOX       | 73,19 |

### Reusable BSP Swivel female 60° cone

Hembras giratorias rectas reusables rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter

Femelle récupérable gaz cylindrique 60°



| DN      | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|---------|-----------------|-----------------------|--------|
| 1/4"    | 1/4" BSP        | Z3G-4                 | 31,82  |
| 5/16"   | 3/8" BSP        | Z3G-6-5               | 35,38  |
| 3/8"    | 3/8" BSP        | Z3G-6                 | 34,16  |
| 3/8"    | 1/2" BSP        | Z3G-8-6               | 41,29  |
| 1/2"    | 1/2" BSP        | Z3G-8                 | 39,66  |
| 3/4"    | 3/4" BSP        | Z3G-12                | 60,33  |
| 1"      | 1" BSP          | Z3G-16                | 103,16 |
| 1" 1/4" | 1" 1/4 BSP      | Z3G-20                | 201,00 |
| 1" 1/2" | 1" 1/2 BSP      | Z3G-24*               | 243,19 |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Reusable BSP 60° cone (90° Elbow)

Hembras giratorias 90° reusables rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter 90° Bogen

Coude 90° femelle récupérable gaz cylindrique BSP 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 1/4" BSP        | Z90G-4                | 56,63  |
| 3/8" | 3/8" BSP        | Z90G-6                | 67,86  |
| 3/8" | 1/2" BSP        | Z90G-8-6              | 88,92  |
| 1/2" | 1/2" BSP        | Z90G-8                | 83,91  |
| 3/4" | 3/4" BSP        | Z90G-12               | 112,85 |
| 1"   | 1" BSP          | Z90G-16               | 177,66 |

### Reusable BSP Male parallel 60° cone

Machos reusables rosca cilíndrica BSP cono 60°

BSP Einschraubzapfen zyl. DIN 3852 Form A

Mâle récupérable gaz cylindrique BSP 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | Z2G-4                 | 38,18 |
| 3/8" | 3/8" BSP        | Z2G-6-5               | 45,43 |
| 3/8" | 3/8" BSP        | Z2G-6                 | 34,44 |
| 3/8" | 1/2" BSP        | Z2G-8-6               | 40,93 |
| 1/2" | 1/2" BSP        | Z2G-8                 | 37,97 |
| 3/4" | 3/4" BSP        | Z2G-12                | 62,58 |
| 1"   | 1" BSP          | Z2G-16                | 81,69 |

## Reusable series

Conexiones Reusables

Schraubarmaturen

Embouts série récupérable

### Reusable JIC 37° straight Swivel female

Hembras giratorias rectas reusables rosca JIC cono 37°

Schraubarmaturen Ü-Mutter Dichtkonus JIC 37°

Femelle droite récupérable JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | Z3J-07-04             | 35,00  |
| 3/8" | 9/16" 18h UNF   | Z3J-09-06             | 37,58  |
| 1/2" | 3/4" 16h UNF    | Z3J-12-08             | 43,63  |
| 1/2" | 7/8" 14h UNF    | Z3J-14-08             | 60,88  |
| 5/8" | 7/8" 14h UNF    | Z3J-14-10             | 52,94  |
| 3/4" | 1" 1/16 12h UNF | Z3J-17-12             | 67,69  |
| 1"   | 1" 5/16 12h UNF | Z3J-21-16             | 113,48 |

### Reusable JIC Male 37° cone

Machos reusables rosca JIC cono 37°

Schraubarmaturen Außengewindenippel Dichtkonus JIC 37°

Mâle récupérables JIC cône 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | Z2J-07-04             | 40,66  |
| 3/8" | 9/16" 18h UNF   | Z2J-09-06             | 42,99  |
| 1/2" | 3/4" 16h UNF    | Z2J-12-08             | 45,26  |
| 1/2" | 7/8" 14h UNF    | Z2J-14-08             | 66,47  |
| 5/8" | 7/8" 14h UNF    | Z2J-14-10             | 65,90  |
| 3/4" | 1" 1/16 12h UNF | Z2J-17-12             | 79,97  |
| 1"   | 1" 5/16 12h UNF | Z2J-21-16             | 133,02 |

### 90° reusable Swivel female thread JIC cone 37°

Hembras giratorias 90° reusables rosca JIC cono 37°

90° drehbarer, wiederverwendbarer JIC-Konus mit -Gewinde 37°

Femelle tournante 90° filetage récupérable cône JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | Z3J90-07-04           | 72,68  |
| 3/8" | 9/16" 18h UNF   | Z3J90-09-06           | 87,39  |
| 1/2" | 3/4" 16h UNF    | Z3J90-12-08           | 114,75 |
| 1/2" | 7/8" 14h UNF    | Z3J90-14-08           | 102,47 |
| 5/8" | 7/8" 14h UNF    | Z3J90-14-10           | 143,88 |
| 3/4" | 1" 1/16 12h UN  | Z3J90-17-12           | 202,21 |
| 1"   | 1" 5/16 12h UN  | Z3J90-21-16           | 257,70 |

### 45° reusable Swivel female thread JIC cone 37°

Hembras giratorias 45° reusables rosca JIC cono 37°

45° drehbarer, wiederverwendbarer JIC-Konus mit -Gewinde 37°

Femelle tournante 45° filetage récupérable cône JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|-----------------|-----------------------|--------|
| 1/4" | 7/16" 20h UNF   | Z3J45-07-04           | 72,68  |
| 3/8" | 9/16" 18h UNF   | Z3J45-09-06           | 87,39  |
| 1/8" | 3/4" 16h UNF    | Z3J45-12-08           | 114,75 |
| 1/2" | 7/8" 14h UNF    | Z3J45-14-08           | 102,47 |
| 5/8" | 7/8" 14h UNF    | Z3J45-14-10           | 143,88 |
| 3/4" | 1" 1/16 12h UN  | Z3J45-17-12           | 202,21 |
| 1"   | 1" 5/16 12h UN  | Z3J45-21-16           | 257,70 |

### Reusable NPT Male

Machos reusables rosca NPT

Wiederverwendbare Außengewinde NPT

Mâle récupérable NPT



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----|-----------------|-----------------------|-------|
| 1/4 | 1/4" NPT        | Z2NPT-04-04           | 30,23 |
| 3/8 | 3/8" NPT        | Z2NPT-06-06           | 32,52 |
| 1/2 | 1/2" NPT        | Z2NPT-08-08           | 40,08 |
| 3/4 | 3/4" NPT        | Z2NPT-12-12           | 59,45 |
| 1"  | 1" NPT          | Z2NPT-16-16           | 79,13 |

### Reusable Metric standpipe

Espigas lisas Métricas reusables

Metr. Einschraubstutzen glatt

Embout lisse récupérable Métrique



| DN    | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|-------|--------------|-----------------------|-------|
| 1/4"  | 6            | ZE-6-4                | 29,68 |
| 1/4"  | 8            | ZE-8-4                | 28,24 |
| 3/8"  | 8            | ZE-8-6                | 27,42 |
| 1/4"  | 10           | ZE-10-4               | 31,38 |
| 5/16" | 10           | ZE-10-5               | 31,82 |
| 3/8"  | 10           | ZE-10-6               | 41,05 |
| 5/16" | 12           | ZE-12-5               | 31,82 |
| 3/8"  | 12           | ZE-12-6               | 45,61 |
| 3/8"  | 15           | ZE-15-6               | 41,05 |
| 1/2"  | 15           | ZE-15-8               | 44,76 |
| 1/2"  | 16           | ZE-16-8               | 44,74 |
| 3/4"  | 22           | ZE-22-12              | 67,82 |
| 3/4"  | 25           | ZE-25-12              | 93,99 |
| 1"    | 25           | ZE-25-16              | *     |
| 1"    | 28           | ZE-28-16              | *     |
| 1"    | 30           | ZE-30-16              | *     |

## Reusable series

Conexiones Reusables  
Schraubarmaturen  
Embouts série récupérable

### Reusable R5 JIC 37 ° straight swivel female

Hembras giratorias rectas reusables R5 rosca JIC cono 37°

Wiederverwendbare gerade drehbare  
Innengewinde R5 JIC mit 37 ° -Konus

Femelle pivotante droite réutilisable R5 JIC filetage  
37 ° cône



| DN        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------|-----------------|-----------------------|--------|
| 3/16"     | 7/16" 20 UNF    | Z3J-07-04-R5          | 36,88  |
| 1/4"      | 7/16" 20h UNF   | Z3J-07-05-R5          | 37,19  |
| 1/4"      | 1/2" 20h UNF    | Z3J-08-05-R5          | 37,85  |
| 5/16"     | 1/2" 20h UNF    | Z3J-08-06-R5          | 38,99  |
| 5/16"     | 9/16" 18h UNF   | Z3J-09-06-R5          | 39,53  |
| 13/32"    | 3/4" 16h UNF    | Z3J-12-08-R5          | 42,94  |
| 1/2"      | 3/4" 16h UNF    | Z3J-12-10-R5          | 66,60  |
| 1/2"      | 7/8"x14 UNF     | Z3J-14-10-R5          | 74,20  |
| 5/8"      | 1" 1/16" 12 UNF | Z3J-17-12-R5          | 84,33  |
| 7/8"      | 1" 5/16" 12 UNF | Z3J-21-16-R5          | 113,40 |
| 1" 1/8"   | 1" 5/8 12 UNF   | Z3J-26-20-R5          | 254,38 |
| 1" 3/8"   | 1" 7/8 12 UNF   | Z3J-30-24-R5          | 295,22 |
| 1" 13/16" | 2" 1/2 12UNF    | Z3J-40-32-R5          | 511,44 |

### Reusable R5 JIC 37 ° swivel female (90° elbow)

Hembras giratorias 90° reusables R5 rosca JIC cono 37°

90° drehbarer, wiederverwendbarer JIC-Konus mit  
R5-Gewinde 37 °

Femelle pivotante 90° filetage R5 réutilisable cône  
JIC 37 °



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 7/16" 20 UNF    | Z3J90-07-04-R5        | 65,43  |
| 1/4"   | 7/16" 20h UNF   | Z3J90-07-05-R5        | 77,80  |
| 1/4"   | 1/2" 20h UNF    | Z3J90-08-05-R5        | 79,36  |
| 5/16"  | 9/16" 18h UNF   | Z3J90-09-06-R5        | 84,62  |
| 13/32" | 3/4" 16h UNF    | Z3J90-12-08-R5        | 105,58 |
| 1/2"   | 3/4" 16h UNF    | Z3J90-12-10-R5        | 133,88 |
| 1/2"   | 7/8" 14 UNF     | Z3J90-14-10-R5        | 139,14 |
| 5/8"   | 1" 1/16 12 UNF  | Z3J90-17-12-R5        | 213,07 |
| 7/8"   | 1" 5/16" 12 UNF | Z3J90-21-16-R5        | 249,35 |

### Reusable R5 NPT Male

Machos reusables R5 rosca NPT

Wiederverwendbare Außengewinde R5 NPT

Mâle récupérables R5 NPT



| DN        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------|-----------------|-----------------------|--------|
| 3/16"     | 1/4" NPT        | Z2P-04-04-R5          | 34,01  |
| 1/4"      | 1/4" NPT        | Z2P-04-05-R5          | 36,22  |
| 5/16"     | 3/8" NPT        | Z2P-06-06-R5          | 39,93  |
| 13/32"    | 1/2" NPT        | Z2P-08-08-R5          | 42,09  |
| 1/2"      | 1/2" NPT        | Z2P-08-10-R5          | 55,16  |
| 5/8"      | 3/4" NPT        | Z2P-12-12-R5          | 73,56  |
| 7/8"      | 1" NPT          | Z2P-16-16-R5          | 91,76  |
| 1" 1/8"   | 1" 1/4 NPT      | Z2P-20-20-R5          | 149,44 |
| 1" 3/8"   | 1" 1/2 NPT      | Z2P-24-24-R5          | 195,10 |
| 1" 13/16" | 2" NPT          | Z2P-32-32-R5          | 395,53 |

### Reusable R5 JIC 37 ° swivel female (45° elbow)

Hembras giratorias 45° reusables R5 rosca JIC cono 37°

45° wiederverwendbar. Innengewinde R5, JIC-  
Konus 37 °

Femelle pivotante 45° réutilisable Filetage R5 cône  
JIC 37 °



| DN     | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------|-----------------|-----------------------|--------|
| 3/16"  | 7/16" 20 UNF    | Z3J45-07-04-R5        | 70,39  |
| 1/4"   | 7/16" 20h UNF   | Z3J45-07-05-R5        | 82,47  |
| 1/4"   | 1/2" 20h UNF    | Z3J45-08-05-R5        | 78,03  |
| 5/16"  | 9/16" 18h UNF   | Z3J45-09-06-R5        | 78,84  |
| 13/32" | 3/4" 16h UNF    | Z3J45-12-08-R5        | 111,06 |
| 1/2"   | 3/4" 16h UNF    | Z3J45-12-10-R5        | 127,57 |
| 1/2"   | 7/8" 14 UNF     | Z3J45-14-10-R5        | 133,21 |
| 5/8"   | 1" 1/16 12 UNF  | Z3J45-17-12-R5        | 195,51 |
| 7/8"   | 1" 5/16" 12 UNF | Z3J45-21-16-R5        | 230,68 |

## CONEXIONES REUSABLES R5

## REUSABLE R5 FITTINGS



Consulta datos en nuestra ficha técnica | Check our technical sheet for data

Sistemas hidráulicos de **media presión**  
con fluidos basados en petróleo o agua/  
glycol, aceites y lubricantes.

**Medium pressure hydraulic systems with  
petroleum or water/glycol based fluids and  
for fuel and lubricating oils**



# Push-On Fittings

Conexiones Push-On  
Aufsteck-Armaturen  
Embouts Push-On

## BSP Swivel female 60° cone

Hembras giratorias rectas rosca BSP cono 60°

Dichtkopf mit BSP Ü-Mutter

Femelle tournante BSP cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | 891000404             | 17,56 |
| 3/8" | 3/8" BSP        | 891000606             | 19,12 |
| 1/2" | 1/2" BSP        | 891000808             | 20,20 |
| 5/8" | 5/8" BSP        | 891001010             | 38,94 |
| 3/4" | 3/4" BSP        | 891001212             | 31,65 |
| 1"   | 1" BSP          | 891001616             | 49,60 |

## BSP Male 60° cone

Machos rosca cilíndrica BSP cono 60°

Außengewinde BSP

Mâle fixe BSP cône 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | 891120404             | 18,51 |
| 3/8" | 3/8" BSP        | 891120606             | 20,52 |
| 1/2" | 1/2" BSP        | 891120808             | 25,56 |
| 3/4" | 1/2" BSP        | 891120812             | 36,55 |
| 5/8" | 5/8" BSP        | 891121010             | 33,74 |
| 3/4" | 3/4" BSP        | 891121212             | 42,71 |
| 1"   | 1" BSP          | 891121616             | 53,70 |

## JIC 37° Swivel female

Hembras giratorias rectas JIC 37°

Dichtkonus mit Ü-Mutter JIC 37°

Femelle tournante JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 7/16" 20h UNF   | 891420704             | 15,95 |
| 3/8" | 9/16" 18h UNF   | 891420906             | 19,03 |
| 1/2" | 3/4" 16h UNF    | 891421208             | 23,70 |
| 5/8" | 7/8" 14h UNF    | 891421410             | 27,65 |
| 3/4" | 1"1/16 12h UN   | 891421712             | 35,34 |
| 1"   | 1"5/16 12h UN   | 891422116             | 46,08 |

## JIC 37° Male

Machos rosca JIC cono 37°

Außengewinde JIC 37°

Mâle fixe JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 7/16" 20h UNF   | 891400704             | 16,78 |
| 3/8" | 9/16" 18h UNF   | 891400906             | 23,21 |
| 1/2" | 3/4" 16h UNF    | 891401208             | 23,83 |
| 5/8" | 7/8" 14h UNF    | 891401410             | 32,86 |
| 3/4" | 1"1/16 12h UN   | 891401712             | 42,36 |
| 1"   | 1"5/16 12h UN   | 891402116             | 52,97 |

## NPT Male pipe straight

Machos rosca cónica NPT

Außengewinde NPT

Mâle gaz conique NPT (BRIGGS)



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" NPT        | 891610404             | 14,39 |
| 3/8" | 3/8" NPT        | 891610606             | 20,51 |
| 1/2" | 1/2" NPT        | 891610808             | 25,13 |
| 3/4" | 3/4" NPT        | 891611212             | 37,55 |
| 1"   | 1" NPT          | 891611616             | 48,84 |

## Metric female swivel with o´ring 24° cone

Hembra giratoria recta Métrica cono 24°

Dichtkopf metr. Ü-Mutter kon. 24°

Femelle Métrique avec o´ring cône 24°



| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|--------------|-----------------|-----------------|-----------------------|-------|
| 1/4" | 6            | L               | M12x1.5         | 89804120604           | 16,82 |
| 1/4" | 8            | L               | M14x1.5         | 89804140804           | 19,63 |
| 1/4" | 10           | L               | M16x1.5         | 89804161004           | 18,80 |
| 3/8" | 12           | L               | M18x1.5         | 89804181206           | 19,92 |
| 1/2" | 15           | L               | M22x1.5         | 89804221508           | 22,59 |
| 3/4" | 22           | L               | M30x2           | 89804302212           | 38,65 |

## Metric stud 24° cone

Machos rosca métrica cono 24°

Gewindezapfen L/S DIN 20078 D/E

Mâle Métrique cône 24°



| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|--------------|-----------------|-----------------|-----------------------|-------|
| 1/4" | 8            | L               | M14x1.5         | 89203140804           | 17,54 |
| 1/4" | 10           | L               | M16x1.5         | 89203161004           | 19,19 |
| 3/8" | 12           | L               | M18x1.5         | 89203181206           | 20,15 |
| 1/2" | 15           | L               | M22x1.5         | 89203221508           | 25,15 |
| 3/4" | 22           | L               | M30x2           | 89203302212           | 36,02 |

# High pressure 700 bar fittings

Conexiones Alta Presión (700 bar)

Armaturen Hochdruck (700bar)

Embout haute pression 700 bar

## Ferrules for thermoplastic hose 700 bar

Casquillos para alta presión (700bar)

Pressfassungen Hochdruck (700bar)

Jupes à sertir thermoplastique 700 bar



| DN   | Referencia<br>Part n° | €     |
|------|-----------------------|-------|
| 1/4" | Z710120400            | 32,26 |
| 3/8" | Z710120600            | 33,54 |
| 1/2" | Z710120800            | 35,56 |

## BSP Swivel female 60° cone 700 bar

Hembra giratoria BSP cono 60° (700bar)

Dichtkopf mit Ü-Mutter BSP 60° (700bar)

Embout 700 bar femelle tournante gaz cyl BSP 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | Z741000404            | 55,69 |
| 3/8" | 3/8" BSP        | Z741000606            | 58,59 |
| 1/2" | 1/2" BSP        | Z741000808            | 60,95 |

## BSP Male parallel 60° cone 700 bar

Macho BSP cono 60° (700bar)

Außengewinde BSP kon. 60° (700bar)

Embout 700 bar mâle fixe gaz cyl BSP 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" BSP        | Z741120404            | 64,23 |
| 3/8" | 3/8" BSP        | Z741120606            | 66,33 |
| 1/2" | 1/2" BSP        | Z741120808            | 71,86 |

## NPSM Swivel female 60° cone 700 bar

Hembra giratoria NPSM cono 60° (700bar)

Dichtkonus mit NPSM 60°

Embout 700 bar femelle tournante NPSM 60°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" 18h NPSM   | Z742610404            | 55,69 |
| 3/8" | 3/8" 18h NPSM   | Z742610606            | 61,67 |
| 1/2" | 1/2" 14h NPSM   | Z742610808            | 64,15 |

## NPT Male pipe straight 700 bar

Macho NPT (700bar)

Außengewinde NPT (700bar)

Embout 700 bar mâle fixe gaz conique NPT



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 1/4" NPT        | Z741610404            | 64,23 |
| 1/4" | 3/8" NPT        | Z741610604            | 69,64 |
| 3/8" | 3/8" NPT        | Z741610606            | 66,33 |
| 1/2" | 1/2" NPT        | Z741610808            | 71,86 |

## JIC 37° Swivel female 700 bar

Hembra giratoria JIC 37° (700bar)

Dichtkopf mit Ü-Mutter JIC 37° (700bar)

Embout 700 bar femelle tournante droit JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 7/16" 20h UNF   | Z741420704            | 61,26 |
| 1/4" | 9/16" 18h UNF   | Z741420904            | 68,45 |
| 3/8" | 9/16" 18h UNF   | Z741420906            | 64,45 |
| 1/2" | 3/4" 16h UNF    | Z741421208            | 67,05 |

## JIC 37° Male thread 700 bar

Macho JIC 37° (700bar)

Außengewinde JIC 37° (700bar)

Embout 700 bar mâle fixe JIC 37°



| DN   | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|-----------------|-----------------------|-------|
| 1/4" | 7/16" 20h UNF   | Z741400704            | 74,36 |
| 3/8" | 9/16" 18h UNF   | Z741400906            | 76,80 |
| 1/2" | 3/4" 16h UNF    | Z741401208            | 83,21 |

## Metric Swivel female 24° cone 700 bar

Hembra giratoria Métrica 24° (700bar)

Dichtkopf Ü-Mutter metr. 24° (700bar)

Embout 700 bar femelle tournante droit Métrique cône 24°



| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|------|--------------|-----------------|-----------------|-----------------------|-------|
| 1/4" | 8            | S               | M16x1.5         | Z74804160804          | 80,14 |
| 3/8" | 12           | S               | M20x1.5         | Z74804201206          | 81,91 |
| 1/2" | 16           | S               | M24x1.5         | Z74804241608          | 82,70 |

## Metric Male 24° cone 700 bar

Macho Métrico 24° (700bar)

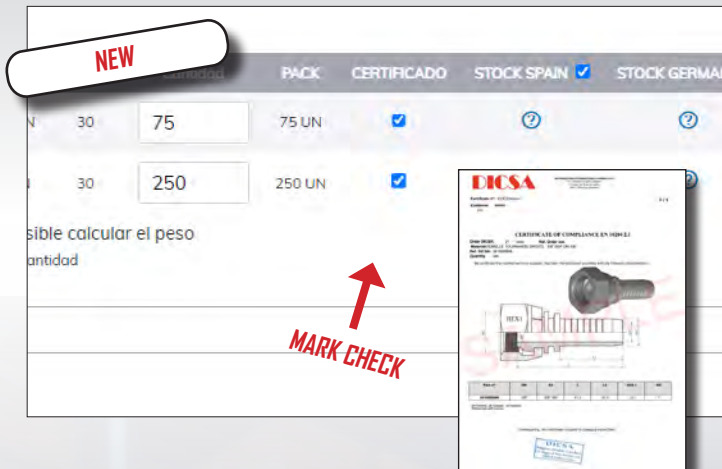
Außengewinde metr. 24° (700bar)

Embout 700 bar mâle fixe Métrique cône 24°

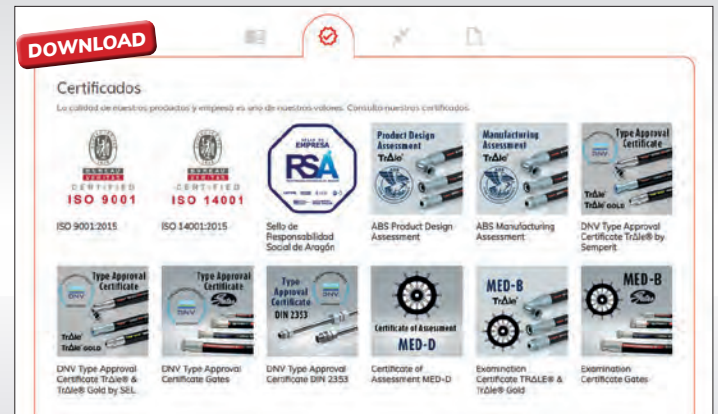


| DN   | TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|------|--------------|-----------------|-----------------|-----------------------|--------|
| 1/4" | 8            | S               | M16x1.5         | Z74203160804          | 85,86  |
| 3/8" | 12           | S               | M20x1.5         | Z74203201206          | 95,98  |
| 1/2" | 16           | S               | M24x1.5         | Z74203241608          | 107,06 |

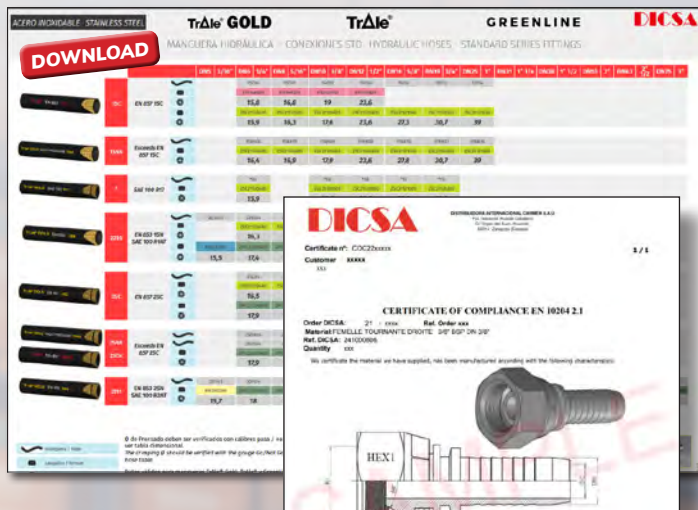
Certificado de Material Material Certificate



Certificados de Calidad Quality Certificates



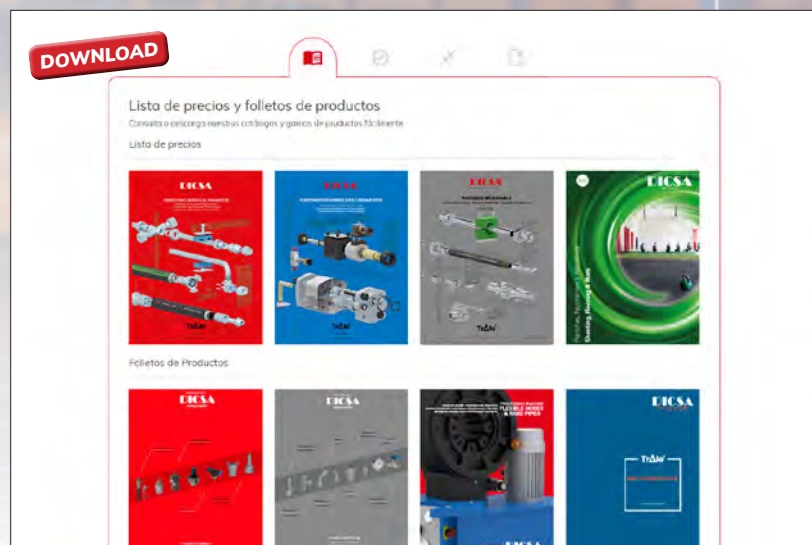
Tablas De Prensado Crimping Charts



Formularios De Hidráulica Hydraulic Forms



Catálogos Interactivos Price Lists And Leaflets



**TODA LA**  
**INFORMACIÓN EN UN**  
**ALL THE**  
**INFORMATION**  
**WITH JUST ONE**  
**iCLICK!**

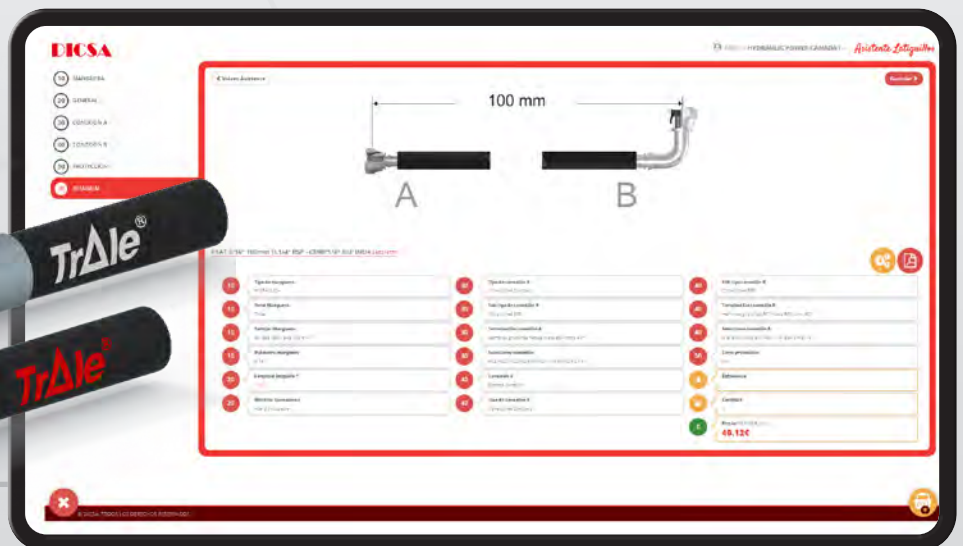


# ASISTENTE DE LATIGUILLOS HOSE CONFIGURATOR

*Makes your work easier*

Evitar errores de configuración, nunca fue tan fácil.

Prevent configuration mistakes, it's never been easier



Elige la manguera

Choose the hose

Selecciona las conexiones

Select the fittings

Elige las protecciones

Choose the protections

**PEDIDO FINAL**  
**ORDER**

Pongase en contacto  
con nosotros para  
más información.

Contact us for  
further information.

# CRIMPING MACHINES

Prensas  
Pressen  
Presses

TrΔle®

## MANGUERA HIDRÁULICA · HYDRAULIC HOSES

### MANUALES · MANUAL

#### PM 18 6J N

80 T +20 mm  
59 mm 28 kg.



TrΔle®  
1" 2SP  
3/4" 4SP  
1/2" 6SP

#### PM16-8J

100 T +20 mm  
59 mm 25 kg.



TrΔle®  
1" 3SP

#### PM16 ELBOW-8J

100 T +20 mm  
59 mm 25 kg.



TrΔle®  
1" 3SP



#### PM16-SPEED-8J

100 T +20 mm  
59 mm 25 kg.



TrΔle®  
1" 3SP

#### PM18F-9J

120 T +20 mm  
65 mm 22 kg.



TrΔle®  
1" 4SP

#### PM22-9J

140 T +25 mm  
110 mm 22 kg.



TrΔle®  
1" 1/4 4SP

#### PM22P-9J

140 T +20 mm  
110 mm 55 kg.



TrΔle®  
1" 1/4 4SP

## ELÉCTRICAS · ELECTRICAL

#### PE 28 9J NT

170 T +26 mm  
110 mm



TrΔle®  
1" 1/4 4SP

#### PE 38 15J NT

220 T +32 mm  
130 mm



TrΔle®  
2" 4SP  
1" 6SP

#### PE 50 17J NT

420 T +32 mm  
130 mm



TrΔle®  
2" 6SP



#### SE 28 5J N/10J N

137 T +28 mm  
100 mm



TrΔle®  
1" 1/4 4SP

#### PE 38 12 J N

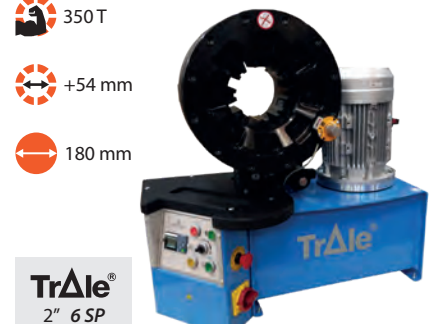
240 T +38 mm  
118 mm



TrΔle®  
2" 4SP  
1" 6SP

#### PE 58 14J N | PE 58 14J 5.5 N

350 T +54 mm  
180 mm



TrΔle®  
2" 6SP  
3" 2SP

### MANGUERA HIDRÁULICA · HYDRAULIC HOSES

#### ELÉCTRICAS · ELECTRICAL

##### CHMT-20 N

Ø Max. 50mm

2,2 Kw

Ø 250 mm



TrAle®  
1"1/4 4SP

##### CHM4-32 N

Ø Max. 75mm

3 Kw

Ø 250 mm



TrAle®  
2" 4SP

##### CHM4-32 N2

Ø Max. 75mm

4 Kw

Ø 300 mm



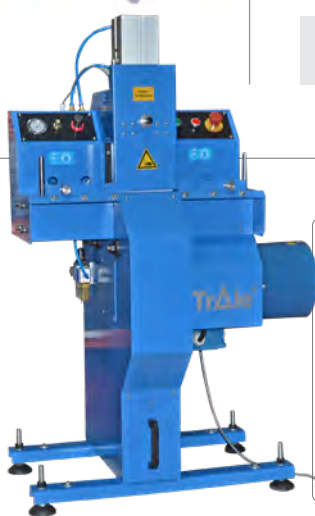
TrAle®  
2" 4SH

##### CHM6-32 N

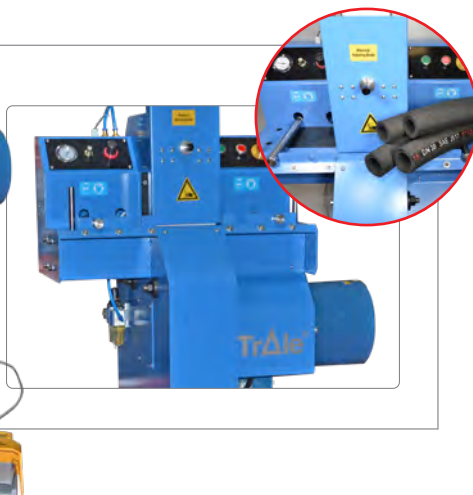
Ø Max. 125mm

5,5 Kw

Ø 520 mm



TrAle®  
2" 6SP  
2" IND



Disponibles múltiples perfiles de discos  
Available several profiles blades

### PORTARROLLOS, EXPOSITORES Y ENROLLADORES · REEL HOSE, ROLL HOLDERS AND EXHIBITORS

##### ROLLER



S.S 316

##### PRO7

Carga máx.  
recomendada /  
bandeja: 70 Kg.

Carga total  
recomendada:  
490 Kg.

Each holder max  
70 kg

Total max.  
capacity: 490 kg



##### PCM3

Carga máx. rollo: 35 Kg.

Each roll max 35 Kg.



### ACCESORIOS PARA PRENSAS · ACCESSORIES FOR CRIMPING MACHINES

##### M PE 38 NT



##### SPEBD N



##### EGN | EGNT



##### PEDAL.N/NT



##### GARRAS ESPECIALES SPECIAL DIES





## SKIVING MACHINES

Peladoras  
Schälmaschinen  
Dénudeuse

TrΔle®

### MANGUERA HIDRÁULICA · HYDRAULIC HOSES

#### PELADORA · SKIVING MACHINE

PB-32N



TrΔle®  
2"

Útiles / Tools



Portaherramientas.  
Tool holder

PMT 2



Peladora Manual  
Manual hose skiving

### BANCO DE PRUEBAS · TEST BENCH

TB 2500



DESCUBRE NUESTRO  
CATÁLOGO DE MÁQUINAS

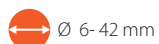
DISCOVER OUR MACHINE  
CATALOGUE



### PIPE · TUBO RÍGIDO

#### DEBURRING MACHINE · DESBARBADORA

##### DEBUR01



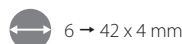
Útiles de  
desbarbado  
incluidos

Deburring tools  
included



#### ASSEMBLY MACHINE · MONTAJE

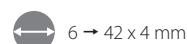
##### USFL/01 MAN



DIN 2353

JIC 37°

##### TUBE2437

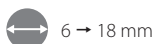


DIN 2353

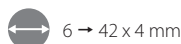
JIC 37°

### BENDING MACHINES · DOBLADORAS

##### M18 6-18



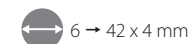
##### CMS42



Con soporte  
With tool-holder  
cabinet.



##### BENDER642



Dobladora  
eléctrica con  
mueble.  
Electric bending  
machine with  
cabinet



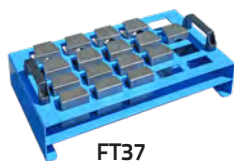
### Bending & Assembly Machine Tools · Útiles para las máquinas de doblado y montaje de racores

##### CUC42



Matrices de doblado  
Bending tools

##### TOOLHOLDER37



FT37

Matrices JIC 37°  
Tools JIC 37°

##### BL

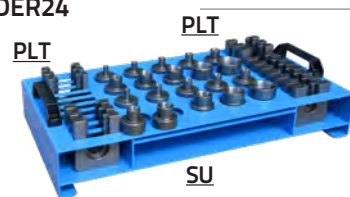
JIC 37°



Bloque BL JIC 37°  
BL Block JIC 37°

##### TOOLHOLDER24

DIN 2353



Machos y matrices DIN 2353  
Sockets & plates DIN 2353

### WORK BENCH · BANCOS DE TRABAJO

##### CEN-MINI

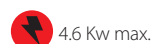


Mini  
Mini

Pequeño  
y económico  
Small  
& inexpensive



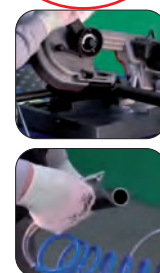
##### CEN-JU



Completo  
Complete



Con corte & aire  
comprimido  
With cutting &  
compressed air



## **TrΔle® metric pipe** 104

Tubo TrΔle® métrico  
Metrisches Rohr TrΔle®  
Tube rigide TrΔle® métrique

## **DIN 2353 Pipe fittings** 105

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## **Flare fittings JIC 37°** 125

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°



# 02

## **PIPE FITTINGS**

Tubo Rígido TrΔle®

Verschraubungen für Rohr

Raccord tube rigide





**TrΔle®**



**RACORES FABRICADOS POR**  
PIPE FITTINGS MANUFACTURED BY

**DICSA**

CERTIFIED  
**ISO 9001**



SUSTAINABLE  
DEVELOPMENT  
**GOALS**

CERTIFIED  
**ISO 14001**



# ASSEMBLY OF THE PIPE FITTINGS DIN 2353 IN THE RIGID PIPE (IT IS RECOMMENDED TO USE PRE-ASSEMBLY TOOLS)

## INSTRUCCIONES DE MONTAJE DE RACOR DIN 2353 SOBRE EL TUBO RÍGIDO (SE RECOMIENDA EL USO DE HERRAMIENTAS DE PREMONTAJE)

### 1 PIPE SAW & PREPARATION CORTE Y PREPARACIÓN DEL TUBO

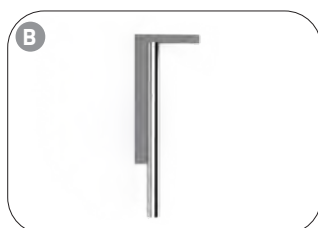


- Clamp onto rigid fixtures
- Cut tube squarely and deburr thoroughly (max.  $\pm 1^\circ$  deviation)
- Do not use pipe cutters
- Fija el tubo a dispositivos rígidos
- Corta el tubo recto y sin rebabas (max.  $\pm 1^\circ$  de desviación)
- No utilice cortatubos

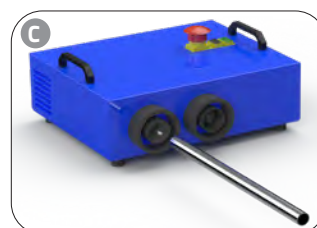
MINIMUM HEIGHT(H): TWICE THREAD NUT LENGTH

MINIMUM HEIGHT(L): 2,5 - 3 TIMES THREAD NUT LENGTH

| Series<br>Ø ext. Pipe | LL |    |    |    | L  |    |    |    |    |    |    |    |    |    | S  |    |    |    |    |    |    |    |    |    |
|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                       | 4  | 5  | 6  | 8  | 6  | 8  | 10 | 12 | 15 | 18 | 22 | 28 | 35 | 42 | 6  | 8  | 10 | 12 | 14 | 16 | 20 | 25 | 30 | 38 |
| H min.                | LL |    |    |    | L  |    |    |    |    |    |    |    |    |    | S  |    |    |    |    |    |    |    |    |    |
|                       | 24 | 25 | 25 | 26 | 31 | 31 | 33 | 33 | 36 | 38 | 42 | 42 | 48 | 48 | 35 | 35 | 37 | 37 | 43 | 43 | 50 | 54 | 58 | 65 |
| L min.                | LL |    |    |    | L  |    |    |    |    |    |    |    |    |    | S  |    |    |    |    |    |    |    |    |    |
|                       | 30 | 32 | 32 | 33 | 39 | 39 | 42 | 42 | 45 | 48 | 53 | 53 | 60 | 60 | 44 | 44 | 47 | 47 | 54 | 54 | 63 | 68 | 73 | 82 |



- Rectangular saw off the pipe and remove all burrs.
- Cortar el tubo a escuadra y eliminar rebabas.



- Remove internal and external burrs
- Seal can be damaged by large burrs
- Quita las rebabas interiores y exteriores
- Las rebabas grandes pueden dañar las juntas

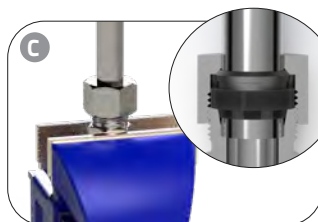
### 2 ASSEMBLY IN VICE MONTAJE EN BANCO



- Use properly lubricants (GR ASW120)
- Threads of stainless steel fittings must be lubricated
- Utiliza lubricantes específicos (GR ASW120)
- Lubricar las roscas de los racores inox adecuadamente



- Follow picture instructions
- Fitting body may be used one time only (use preassembly tools Z VOMO)
- Screw on nut until finger-tight
- Siga instrucciones de la imagen
- Utilizar el cuerpo del racor una única vez (use herramientas de montaje z vomo)
- Realiza el roscado de forma manual

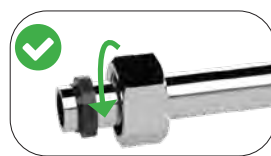
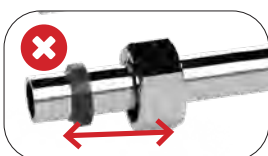


- Press tube-end firmly into the assembly cone
- Presione firmemente el final del tubo en el cono de montaje



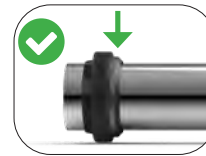
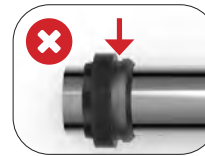
- Tighten until sharp increase of resistance (approx. 1 to 1 1/2 turns)
- Apriete hasta notar un fuerte incremento de resistencia (aprox. 1 ó 1,5 vueltas)

### 3 ASSEMBLY CHECK - CONTROL COMPROBACIÓN DEL MONTAJE - CONTROL



ZACJ2/ACJ2 CONTROL: GAP BETWEEN SEALING RING AND RETAINING RING MUST BE CHECKED

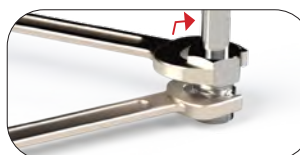
CONTROL ZACJ2/ACJ2: COMPROBAR EL ESPACIO ENTRE EL ANILLO DE ESTANQUEIDAD Y EL DE RETENCIÓN



### 4 FINAL ASSEMBLY: INSTALLATION OF THE TUBE SYSTEM MONTAJE FINAL: INSTALACIÓN DEL SISTEMA DE TUBO



- Repeat step 2. A
- Repetir paso 2.A



- Assemble fitting until wrench-tight. Then tighten fitting firmly by min. 1/6 (max. 1/4) turns (1 1/2 flats)
- Monta el racor hasta que quede apretado usando la llave. Apriete fuertemente el racor 1 ó 1,5 vueltas, en giros de 60° -90°.



TrΔle® metric pipe

Tubo TrΔle® métrico  
Metrisches Rohr TrΔle®  
Tube rigide TrΔle® métrique

Metric • Métrico • Metrisches • Métrique



ZTH0                      ZTH0...-3

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

Nuts and cutting rings • Tuercas y anillos • Muttern und Schneidringe • Écrous et bagues

| 105



ZML/ZMS ZACL/ZACS ZVHS ZACJ ZACJ2 ZMJL/ZMJS

Straight couplings • Uniones tubo-tubo • Gerade Verschraubungen (G) • Raccords union double

| 107



ZDL/ZDS ZEL/ZES ZDL/ZDS ZTL/ZTS ZKVL/ZKVS

Straight male stud couplings • Uniones rectas tubo-rosca • Gerade Einschraubverschr. - EVGE • Raccords union simple mâle

| 109



ZAL/ZAS RC ZAL/ZAS BSP WD ZAL/ZAS BSP ZAL/ZAS M WD ZAL/ZAS UNF ZAKL/ZAKS NPT ZAKL/ZAKS BSPT ZAKL/ZAKS METRIC

Male stud elbows • Codos tubo-rosca • W-Einschraubverschraubungen - WE • Raccords coude mâle gaz

| 112



ZCKL/ZCKS BSPT Z WEE ZCKL/ZCKS NPT ZCKL/ZCKS METRIC

Male stud barrel • TES rosca lateral • L-Einschraubverschraubungen - LE • Raccords Té mâle latéral

| 113



ZLKL/ZLKS BSPT ZLKL/ZLKS METRIC

Male stud branch • TES rosca central • T-Einschraubungen - TE • Raccords Té mâle central

| 113



ZFKL/ZFKS BSPT ZFKL/ZFKS METRIC

Metric unions • Uniones Métricas • Metr. Verschraubungen • Raccords union Métrique

| 114



ZKORL TLM ZKORS TLM

Reductions • Reducciones roscadas • Reduzierstutzen • Raccords de réduction

| 115



ZRI-R WD

Adjustable stud couplings • Racores regulables • Einstellbare Verschraubungen - EV • Raccords réglables

| 116



ZEEL/ZEES CTA ZEEL/ZEES TLM ZTEL/ZTES TLM ZLEL/ZLES TLM

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

Adjustable straight stud • Tubo roscado (hembra giratoria) • Einstellbarer gerader Einschraubstutzen - EV • Raccords tube fileté

117



Welding fittings • Soldables • Schweißarmaturen • Raccords à souder

118



Bulkhead • Pasatabiques • Schottverschraubungen - SV • Raccords passe cloison

119



Straight female coupling • Racor recto hembra • Gerade Aufschraub-Versch. - GAI • Raccords droits femelle

120



Banjos • Orientables • Ringaugen • Raccords orientables

121



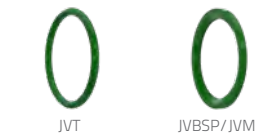
Plugs • Tapones • Stopfen • Raccords bouchon métrique

122



O-rings & captive seals • Juntas • Dichtringe - DOZ • Joints

122



Accessories for the assembly • Accesorios para montaje • Zubehör für die Montage • Accessoires pour le montage

123



Valves • Válvulas antirretorno • Rückschlagventil - RV • Valves clapet antiretour

124



## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

JIC 37° Nuts, sleeves and plugs • Tuercas, ferulas y tapones JIC 37° • Ü-Muttern, Druckringe und Verschlussstopfen JIC • Écrous, ferrules et bouchons JIC 37°

125



ZS110

ZS120

ZS121

ZS140

ZS130

JIC 37° Straight unions • Uniones rectas JIC 37° • gerade JIC-Verschraubungen • Union droite JIC 37°

126



ZS260

ZS260

ZS250

ZS260\_OR

ZS240

ZS200

ZS380

ZS230

ZS180

ZS210

ZS295

ZS740

ZS291

ZS290

ZS185

JVMET

JVUNF

ZS730

JVMBSP

JTVJIC

JIC 37° 90° Elbows • Codos 90° JIC 37° • 90° Winkel JIC 37° • Coudes 90° JIC 37°

131



ZS500

ZS675

ZS700

ZS500\_OR

ZS650

ZS570

ZS575

ZS550

ZS595

ZS525

JIC 37° 45° Elbows • Codos 45 JIC 37° • 45° Winkel JIC 37° • Coudes 45° JIC 37°

133



ZS690

ZS775

ZS725

JIC 37° Tees • Tes JIC 37° • T-Verschraubungen JIC 37° • Tés JIC 37°

134



ZS505

ZS680

ZS630

ZS505\_OR

ZS685

ZS625

# TrAle® metric pipe

Tubo TrAle® métrico  
Metrisches Rohr TrAle®  
Tube rigide TrAle® métrique

## Rigid pipe - 6 mts

Tubo rígido - 6 mts

Rohr - 6m

Tube rigide - 6 mts



| Ø EXT.<br>Ø OUTER | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €/M    |
|-------------------|-------------------|-----------------------|--------|
| 6                 | 4                 | ZTH0060100            | 12,74  |
| 6                 | 3                 | ZTH0060150            | 13,30  |
| 8                 | 6                 | ZTH0080100            | 12,75  |
| 8                 | 5                 | ZTH0080150            | 14,09  |
| 10                | 8                 | ZTH0100100            | 13,02  |
| 10                | 7                 | ZTH0100150            | 21,94  |
| 10                | 6                 | ZTH0100200            | 26,80  |
| 12                | 10                | ZTH0120100            | 14,40  |
| 12                | 9                 | ZTH0120150            | 21,23  |
| 12                | 8                 | ZTH0120200            | 27,80  |
| 12                | 7                 | ZTH0120250            | 34,90  |
| 14                | 10                | ZTH0140200            | 30,47  |
| 15                | 12                | ZTH0150150            | 28,89  |
| 16                | 12                | ZTH0160200            | 36,98  |
| 16                | 10                | ZTH0160300            | 42,65  |
| 18                | 15                | ZTH0180150            | 32,14  |
| 18                | 14                | ZTH0180200            | 41,53  |
| 20                | 14                | ZTH0200300            | 61,87  |
| 22                | 18                | ZTH0220200            | 48,48  |
| 25                | 20                | NEW ZTH0250250        | 65,47  |
| 25                | 19                | ZTH0250300            | 78,65  |
| 28                | 24                | ZTH0280200            | 71,62  |
| 30                | 24                | ZTH0300300            | 100,13 |
| 35                | 31                | ZTH0350200            | 76,30  |
| 38                | 30                | ZTH0380400            | 138,08 |
| 42                | 38                | ZTH0420200            | 88,55  |
| 42                | 36                | ZTH0420300            | 161,05 |

Price per meter. / Precio por metro. / Die angegebenen Preise gelten pro Meter. / Les prix sont par mètre.

## Rigid pipe - 3 mts

Tubo rígido - 3 mts

Rohr - 3m

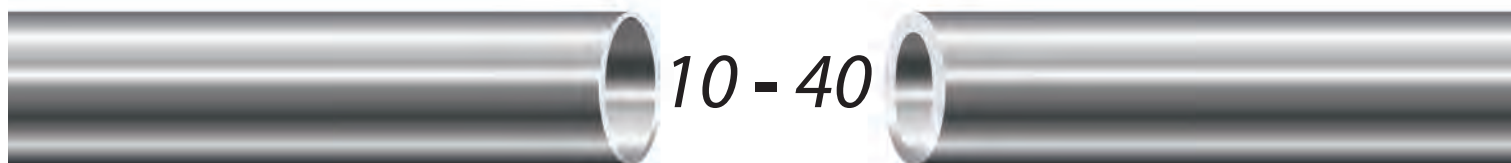
Tube rigide - 3 mts



| Ø EXT.<br>Ø OUTER | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €/M    |
|-------------------|-------------------|-----------------------|--------|
| 6                 | 4                 | ZTH0060100-3          | 13,38  |
| 6                 | 3                 | ZTH0060150-3          | 13,96  |
| 8                 | 6                 | ZTH0080100-3          | 13,38  |
| 8                 | 5                 | ZTH0080150-3          | 14,79  |
| 10                | 8                 | ZTH0100100-3          | 13,67  |
| 10                | 7                 | ZTH0100150-3          | 23,03  |
| 12                | 10                | ZTH0120100-3          | 15,12  |
| 10                | 6                 | ZTH0100200-3          | 28,14  |
| 12                | 9                 | ZTH0120150-3          | 22,29  |
| 12                | 8                 | ZTH0120200-3          | 29,19  |
| 12                | 7                 | ZTH0120250-3          | 36,65  |
| 14                | 10                | ZTH0140200-3          | 31,99  |
| 15                | 12                | ZTH0150150-3          | 30,33  |
| 16                | 12                | ZTH0160200-3          | 38,83  |
| 16                | 10                | ZTH0160300-3          | 44,78  |
| 18                | 15                | ZTH0180150-3          | 33,75  |
| 18                | 14                | ZTH0180200-3          | 43,60  |
| 20                | 14                | ZTH0200300-3          | 64,96  |
| 22                | 18                | ZTH0220200-3          | 50,90  |
| 25                | 20                | NEW ZTH0250250-3      | 68,74  |
| 25                | 19                | ZTH0250300-3          | 82,58  |
| 28                | 24                | ZTH0280200-3          | 75,20  |
| 30                | 24                | ZTH0300300-3          | 105,13 |
| 35                | 31                | ZTH0350200-3          | 80,12  |
| 38                | 30                | ZTH0380400-3          | 144,98 |
| 42                | 38                | ZTH0420200-3          | 92,97  |
| 42                | 36                | ZTH0420300-3          | 169,11 |

Price per meter. / Precio por metro. / Die angegebenen Preise gelten pro Meter. / Les prix sont par mètre.

# TUBO SCHEDULE PIPE



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Consulta en nuestra ficha técnica datos | Check our technical sheet for data



# DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

Raccords à bague DIN 2353

## Nuts DIN 3870

Tuercas Métricas DIN 3870

Muttern DIN 3870 (M)

Écrou DIN 3870



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------|-----------------------|-------|
| 4            | LL              | M8X1            | Z MLL 4               | 3,97  |
| 6            | LL              | M10X1           | Z MLL 6               | 3,65  |
| 8            | LL              | M12X1           | Z MLL 8               | 4,26  |
| 6            | L               | M12X1.5         | Z ML 6                | 2,23  |
| 8            | L               | M14X1.5         | Z ML 8                | 2,69  |
| 10           | L               | M16X1.5         | Z ML 10               | 3,09  |
| 12           | L               | M18X1.5         | Z ML 12               | 3,71  |
| 15           | L               | M22X1.5         | Z ML 15               | 5,37  |
| 18           | L               | M26X1.5         | Z ML 18               | 8,35  |
| 22           | L               | M30X2           | Z ML 22               | 10,84 |
| 28           | L               | M36X2           | Z ML 28               | 22,31 |
| 35           | L               | M45X2           | Z ML 35               | 37,30 |
| 42           | L               | M52X2           | Z ML 42               | 46,57 |
| 6            | S               | M14X1.5         | Z MS 6                | 2,92  |
| 8            | S               | M16X1.5         | Z MS 8                | 3,29  |
| 10           | S               | M18X1.5         | Z MS 10               | 4,12  |
| 12           | S               | M20X1.5         | Z MS 12               | 4,57  |
| 14           | S               | M22X1.5         | Z MS 14               | 7,44  |
| 16           | S               | M24X1.5         | Z MS 16               | 8,26  |
| 20           | S               | M30X2           | Z MS 20               | 12,59 |
| 25           | S               | M36X2           | Z MS 25               | 29,73 |
| 30           | S               | M42X2           | Z MS 30               | 38,23 |
| 38           | S               | M52X2           | Z MS 38               | 58,13 |

## Cutting rings DIN 3861

Anillos de corte DIN 3861

Schneidringe DIN 3861 (D)

Bague DIN 3861



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 4            | LL              | Z ACLL 4              | 2,29  |
| 6            | LL              | Z ACLL 6              | 2,50  |
| 8            | LL              | Z ACLL 8              | 2,59  |
| 6            | L/S             | Z ACL 6               | 2,08  |
| 8            | L/S             | Z ACL 8               | 2,15  |
| 10           | L/S             | Z ACL 10              | 2,75  |
| 12           | L/S             | Z ACL 12              | 2,86  |
| 15           | L               | Z ACL 15              | 3,14  |
| 18           | L               | Z ACL 18              | 3,43  |
| 22           | L               | Z ACL 22              | 4,58  |
| 28           | L               | Z ACL 28              | 6,87  |
| 35           | L               | Z ACL 35              | 10,50 |
| 42           | L               | Z ACL 42              | 12,26 |
| 14           | S               | Z ACS 14              | 3,59  |
| 16           | S               | Z ACS 16              | 3,89  |
| 20           | S               | Z ACS 20              | 4,58  |
| 25           | S               | Z ACS 25              | 6,87  |
| 30           | S               | Z ACS 30              | 10,29 |
| 38           | S               | Z ACS 38              | 11,08 |

## Reinforced ring

Anillos de refuerzo

Verstärkungsring

Bague de renforcement



| TUBO<br>PIPE | Referencia<br>Part n° | € |
|--------------|-----------------------|---|
| 4            | Z VHS 4               | * |
| 5            | Z VHS 5               | * |
| 6            | Z VHS 6               | * |
| 7            | Z VHS 7               | * |
| 8            | Z VHS 8               | * |
| 9            | Z VHS 9               | * |
| 10           | Z VHS 10              | * |
| 11           | Z VHS 11              | * |
| 12           | Z VHS 12              | * |
| 13           | Z VHS 13              | * |
| 14           | Z VHS 14              | * |
| 15           | Z VHS 15              | * |
| 16           | Z VHS 16              | * |
| 17           | Z VHS 17              | * |
| 18           | Z VHS 18              | * |
| 19           | Z VHS 19              | * |
| 20           | Z VHS 20              | * |
| 22           | Z VHS 22              | * |
| 24           | Z VHS 24              | * |
| 25           | Z VHS 25              | * |
| 31           | Z VHS 31              | * |
| 33           | Z VHS 33              | * |
| 38           | Z VHS 38              | * |

## Cutting ring with joint

Anillos de corte con junta

Schneidring mit Dichtung

Bague avec joint



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 6            | L               | Z ACJL 6              | 5,13  |
| 8            | L               | Z ACJL 8              | 5,25  |
| 10           | L               | Z ACJL 10             | 5,91  |
| 12           | L               | Z ACJL 12             | 5,03  |
| 15           | L               | Z ACJL 15             | 8,37  |
| 18           | L               | Z ACJL 18             | 10,47 |
| 22           | L               | Z ACJL 22             | 11,97 |
| 28           | L               | Z ACJL 28             | 17,14 |
| 35           | L               | Z ACJL 35             | 25,38 |
| 42           | L               | Z ACJL 42             | 31,74 |
| 6            | S               | Z ACJS 6              | 5,23  |
| 8            | S               | Z ACJS 8              | 5,28  |
| 10           | S               | Z ACJS 10             | 5,95  |
| 12           | S               | Z ACJS 12             | 6,77  |
| 14           | S               | Z ACJS 14             | 8,24  |
| 16           | S               | Z ACJS 16             | 9,49  |
| 20           | S               | Z ACJS 20             | 12,53 |
| 25           | S               | Z ACJS 25             | 16,83 |
| 30           | S               | Z ACJS 30             | 22,08 |
| 38           | S               | Z ACJS 38             | 31,85 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## S.S.Cutting ring with joint ZACJ2

Anillos de corte con junta ZACJ2

Schneidring mit Dichtung ZACJ2

Bague Acier inox avec joint ZACJ2



NEW

## ZACJ2 Equipped Nut

Tuerca equipada ZACJ2

ZACJ2 ausgestattete Mutter

Écrou équipé ZACJ2



NEW

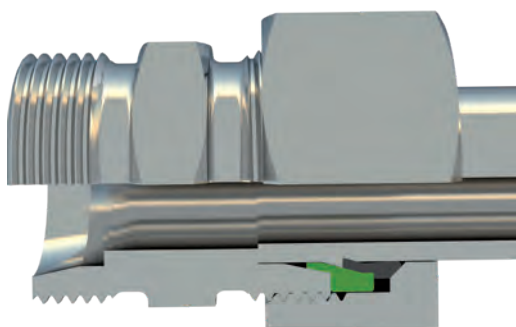
| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 6            | L               | Z ACJ2L 6             | 10,80 |
| 8            | L               | Z ACJ2L 8             | 10,80 |
| 10           | L               | Z ACJ2L 10            | 11,58 |
| 12           | L               | Z ACJ2L 12            | 11,94 |
| 15           | L               | Z ACJ2L 15            | 17,77 |
| 18           | L               | Z ACJ2L 18            | 19,90 |
| 22           | L               | Z ACJ2L 22            | 24,59 |
| 28           | L               | Z ACJ2L 28            | 30,00 |
| 35           | L               | Z ACJ2L 35            | 46,20 |
| 42           | L               | Z ACJ2L 42            | 71,08 |
| 6            | S               | Z ACJ2S 6             | 11,37 |
| 8            | S               | Z ACJ2S 8             | 11,37 |
| 10           | S               | Z ACJ2S 10            | 12,08 |
| 12           | S               | Z ACJ2S 12            | 15,64 |
| 14           | S               | Z ACJ2S 14            | 17,77 |
| 16           | S               | Z ACJ2S 16            | 20,61 |
| 20           | S               | Z ACJ2S 20            | 27,01 |
| 25           | S               | Z ACJ2S 25            | 46,91 |
| 30           | S               | Z ACJ2S 30            | 56,86 |
| 38           | S               | Z ACJ2S 38            | 78,19 |

| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | M12X1.5         | Z MJ2L 6              | 13,61  |
| 8            | L               | M14X1.5         | Z MJ2L 8              | 13,37  |
| 10           | L               | M16X1.5         | Z MJ2L 10             | 14,77  |
| 12           | L               | M18X1.5         | Z MJ2L 12             | 15,76  |
| 15           | L               | M22X1.5         | Z MJ2L 15             | 23,06  |
| 18           | L               | M26X1.5         | Z MJ2L 18             | 26,91  |
| 22           | L               | M30X2           | Z MJ2L 22             | 34,10  |
| 28           | L               | M36X2           | Z MJ2L 28             | 41,94  |
| 35           | L               | M45X2           | Z MJ2L 35             | 67,32  |
| 42           | L               | M52X2           | Z MJ2L 42             | 108,22 |
| 6            | S               | M14X1.5         | Z MJ2S 6              | 14,55  |
| 8            | S               | M16X1.5         | Z MJ2S 8              | 14,81  |
| 10           | S               | M18X1.5         | Z MJ2S 10             | 16,49  |
| 12           | S               | M20X1.5         | Z MJ2S 12             | 20,27  |
| 14           | S               | M22X1.5         | Z MJ2S 14             | 24,17  |
| 16           | S               | M24X1.5         | Z MJ2S 16             | 27,64  |
| 20           | S               | M30X2           | Z MJ2S 20             | 36,95  |
| 25           | S               | M36X2           | Z MJ2S 25             | 76,87  |
| 30           | S               | M42X2           | Z MJ2S 30             | 82,17  |
| 38           | S               | M52X2           | Z MJ2S 38             | 128,11 |

**PREVENTS LEAKS IN EQUIPMENT SUBJECT TO HIGH VIBRATIONS**  
**EVITA FUGAS EN EQUIPAMIENTOS SOMETIDOS A ALTAS VIBRACIONES**



# ZACJ2



‡ Pressure rating up to 800 bar (PN)

‡ Reduction of tightening torques up to 25%

‡ Easier assembly

‡ Simple handling through functional nut

‡ Hasta una presión nominal (PN) de 800 bar

‡ Reducción de los pares de apriete en hasta 25%

‡ Un montaje aún más sencillo

‡ Sencillo manejo mediante tuerca funcional

# DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

Raccords à bague DIN 2353

## Straight coupling

Racor unión recta tubo - tubo

Gerade Verschraubungen (G)

Raccord union double



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €     |
|--------------|-----------------|-----------------------|--------|-------------------------------|-------|
| 4            | LL              | Z DLL 4               | 34,81  | ---                           | *     |
| 6            | LL              | Z DLL 6               | 30,51  | ---                           | *     |
| 8            | LL              | Z DLL 8               | 29,45  | ---                           | *     |
| 6            | L               | Z DL 6                | 16,94  | Z STA DL 6                    | 7,55  |
| 8            | L               | Z DL 8                | 17,74  | Z STA DL 8                    | 8,28  |
| 10           | L               | Z DL 10               | 19,69  | Z STA DL 10                   | 9,56  |
| 12           | L               | Z DL 12               | 21,80  | Z STA DL 12                   | 9,86  |
| 15           | L               | Z DL 15               | 30,96  | Z STA DL 15                   | 15,03 |
| 18           | L               | Z DL 18               | 36,97  | Z STA DL 18                   | 16,75 |
| 22           | L               | Z DL 22               | 48,89  | Z STA DL 22                   | 22,20 |
| 28           | L               | Z DL 28               | 72,10  | Z STA DL 28                   | 36,52 |
| 35           | L               | Z DL 35               | 113,22 | Z STA DL 35                   | 56,35 |
| 42           | L               | Z DL 42               | 179,82 | Z STA DL 42                   | 87,95 |
| 6            | S               | Z DS 6                | 19,76  | Z STA DS 6                    | 9,63  |
| 8            | S               | Z DS 8                | 20,43  | Z STA DS 8                    | 9,77  |
| 10           | S               | Z DS 10               | 25,93  | Z STA DS 10                   | 13,34 |
| 12           | S               | Z DS 12               | 30,04  | Z STA DS 12                   | 16,48 |
| 14           | S               | Z DS 14               | 38,52  | Z STA DS 14                   | 20,37 |
| 16           | S               | Z DS 16               | 38,30  | Z STA DS 16                   | 18,04 |
| 20           | S               | Z DS 20               | 57,75  | Z STA DS 20                   | 29,55 |
| 25           | S               | Z DS 25               | 117,38 | Z STA DS 25                   | 48,09 |
| 30           | S               | Z DS 30               | 145,03 | Z STA DS 30                   | 62,54 |
| 38           | S               | Z DS 38               | 197,70 | Z STA DS 38                   | 81,96 |

## Equal elbow coupling

Racor unión en codo tubo - tubo

Winkel-Verschraubungen (W)

Raccord coude égal



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 4            | LL              | Z ELL 4               | 51,89  | ---                           | *      |
| 6            | LL              | Z ELL 6               | 46,08  | ---                           | *      |
| 8            | LL              | Z ELL 8               | 49,98  | ---                           | *      |
| 6            | L               | Z EL 6                | 28,05  | Z STA EL 6                    | 18,66  |
| 8            | L               | Z EL 8                | 29,36  | Z STA EL 8                    | 19,91  |
| 10           | L               | Z EL 10               | 33,07  | Z STA EL 10                   | 22,93  |
| 12           | L               | Z EL 12               | 36,14  | Z STA EL 12                   | 24,21  |
| 15           | L               | Z EL 15               | 47,79  | Z STA EL 15                   | 31,85  |
| 18           | L               | Z EL 18               | 63,53  | Z STA EL 18                   | 43,31  |
| 22           | L               | Z EL 22               | 88,23  | Z STA EL 22                   | 61,54  |
| 28           | L               | Z EL 28               | 129,60 | Z STA EL 28                   | 94,02  |
| 35           | L               | Z EL 35               | 205,75 | Z STA EL 35                   | 148,89 |
| 42           | L               | Z EL 42               | 322,43 | Z STA EL 42                   | 230,55 |
| 6            | S               | Z ES 6                | 32,18  | Z STA ES 6                    | 22,05  |
| 8            | S               | Z ES 8                | 35,50  | Z STA ES 8                    | 24,84  |
| 10           | S               | Z ES 10               | 38,06  | Z STA ES 10                   | 25,47  |
| 12           | S               | Z ES 12               | 42,31  | Z STA ES 12                   | 28,75  |
| 14           | S               | Z ES 14               | 53,81  | Z STA ES 14                   | 35,66  |
| 16           | S               | Z ES 16               | 61,02  | Z STA ES 16                   | 40,76  |
| 20           | S               | Z ES 20               | 91,16  | Z STA ES 20                   | 62,96  |
| 25           | S               | Z ES 25               | 162,69 | Z STA ES 25                   | 93,39  |
| 30           | S               | Z ES 30               | 226,59 | Z STA ES 30                   | 144,10 |
| 38           | S               | Z ES 38               | 323,35 | Z STA ES 38                   | 207,62 |

## Straight reducing coupling

Racor unión recta en reducción  
tubo - tubo

Gerade Reduzierschraubungen (GR)

Raccord union double en réduction



| TUBO<br>PIPE | PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|------|-----------------|-----------------------|--------|-------------------------------|--------|
| 8            | 6    | L               | Z DL 8-6              | 19,76  | Z STA DL 8-6                  | 10,22  |
| 10           | 6    | L               | Z DL 10-6             | 21,02  | Z STA DL 10-6                 | 11,13  |
| 10           | 8    | L               | Z DL 10-8             | 18,83  | Z STA DL 10-8                 | 8,90   |
| 12           | 6    | L               | Z DL 12-6             | 28,94  | Z STA DL 12-6                 | 18,15  |
| 12           | 8    | L               | Z DL 12-8             | 29,09  | Z STA DL 12-8                 | 16,86  |
| 12           | 10   | L               | Z DL 12-10            | 22,22  | Z STA DL 12-10                | 11,05  |
| 15           | 6    | L               | Z DL 15-6             | 37,08  | Z STA DL 15-6                 | 24,29  |
| 15           | 8    | L               | Z DL 15-8             | 39,99  | Z STA DL 15-8                 | 27,17  |
| 15           | 10   | L               | Z DL 15-10            | 30,66  | Z STA DL 15-10                | 17,49  |
| 15           | 12   | L               | Z DL 15-12            | 27,41  | Z STA DL 15-12                | 13,34  |
| 18           | 8    | L               | Z DL 18-8             | 43,30  | Z STA DL 18-8                 | 28,33  |
| 18           | 10   | L               | Z DL 18-10            | 34,97  | Z STA DL 18-10                | 19,67  |
| 18           | 12   | L               | Z DL 18-12            | 35,74  | Z STA DL 18-12                | 19,54  |
| 18           | 15   | L               | Z DL 18-15            | 40,33  | Z STA DL 18-15                | 22,13  |
| 22           | 12   | L               | Z DL 22-12            | 47,73  | Z STA DL 22-12                | 28,29  |
| 22           | 15   | L               | Z DL 22-15            | 46,45  | Z STA DL 22-15                | 25,01  |
| 22           | 18   | L               | Z DL 22-18            | 50,72  | Z STA DL 22-18                | 27,14  |
| 28           | 22   | L               | Z DL 28-22            | 77,33  | Z STA DL 28-22                | 46,07  |
| 35           | 28   | L               | Z DL 35-28            | 125,97 | Z STA DL 35-28                | 79,62  |
| 42           | 28   | L               | Z DL 42-28            | 151,41 | Z STA DL 42-28                | 87,55  |
| 42           | 35   | L               | Z DL 42-35            | 210,51 | Z STA DL 42-35                | 136,01 |
| 8            | 6    | S               | Z DS 8-6              | 27,57  | Z STA DS 8-6                  | 17,05  |
| 10           | 6    | S               | Z DS 10-6             | 29,31  | Z STA DS 10-6                 | 17,82  |
| 10           | 8    | S               | Z DS 10-8             | 28,79  | Z STA DS 10-8                 | 18,87  |
| 12           | 6    | S               | Z DS 12-6             | 33,18  | Z STA DS 12-6                 | 21,21  |
| 12           | 8    | S               | Z DS 12-8             | 32,25  | Z STA DS 12-8                 | 20,02  |
| 12           | 10   | S               | Z DS 12-10            | 31,05  | Z STA DS 12-10                | 17,85  |
| 14           | 10   | S               | Z DS 14-10            | 37,34  | Z STA DS 14-10                | 21,84  |
| 16           | 10   | S               | Z DS 16-10            | 53,85  | Z STA DS 16-10                | 37,30  |
| 16           | 12   | S               | Z DS 16-12            | 37,81  | Z STA DS 16-12                | 20,78  |
| 16           | 14   | S               | Z DS 16-14            | 43,22  | Z STA DS 16-14                | 23,89  |
| 20           | 10   | S               | Z DS 20-10            | 61,97  | Z STA DS 20-10                | 41,44  |
| 20           | 12   | S               | Z DS 20-12            | 75,34  | Z STA DS 20-12                | 54,33  |
| 20           | 14   | S               | Z DS 20-14            | 83,80  | Z STA DS 20-14                | 60,50  |
| 20           | 16   | S               | Z DS 20-16            | 58,62  | Z STA DS 20-16                | 34,27  |
| 25           | 16   | S               | Z DS 25-16            | 94,55  | Z STA DS 25-16                | 49,64  |
| 25           | 20   | S               | Z DS 25-20            | 99,70  | Z STA DS 25-20                | 50,83  |
| 30           | 20   | S               | Z DS 30-20            | 128,52 | Z STA DS 30-20                | 73,05  |
| 30           | 25   | S               | Z DS 30-25            | 169,51 | Z STA DS 30-25                | 93,50  |
| 38           | 25   | S               | Z DS 38-25            | 185,53 | Z STA DS 38-25                | 92,89  |
| 38           | 30   | S               | Z DS 38-30            | 208,60 | Z STA DS 38-30                | 109,36 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Equal Tee

Racor unión en T tubo - tubo

T-Verschraubungen (T)

Raccord Té égal



## Equal cross

Racor unión en cruz tubo - tubo

Kreuz-Verschraubungen (K)

Raccord croix égale



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 4            | LL              | Z TLL 4               | 67,06  | ---                           | *      |
| 6            | LL              | Z TLL 6               | 67,82  | ---                           | *      |
| 8            | LL              | Z TLL 8               | 74,07  | ---                           | *      |
| 6            | L               | Z TL 6                | 35,94  | Z STA TL 6                    | 21,93  |
| 8            | L               | Z TL 8                | 38,96  | Z STA TL 8                    | 24,85  |
| 10           | L               | Z TL 10               | 41,76  | Z STA TL 10                   | 26,62  |
| 12           | L               | Z TL 12               | 46,50  | Z STA TL 12                   | 28,66  |
| 15           | L               | Z TL 15               | 64,48  | Z STA TL 15                   | 40,63  |
| 18           | L               | Z TL 18               | 83,78  | Z STA TL 18                   | 53,51  |
| 22           | L               | Z TL 22               | 116,27 | Z STA TL 22                   | 76,31  |
| 28           | L               | Z TL 28               | 173,35 | Z STA TL 28                   | 120,05 |
| 35           | L               | Z TL 35               | 301,78 | Z STA TL 35                   | 216,54 |
| 42           | L               | Z TL 42               | 424,35 | Z STA TL 42                   | 286,60 |
| 6            | S               | Z TS 6                | 44,91  | Z STA TS 6                    | 29,78  |
| 8            | S               | Z TS 8                | 46,66  | Z STA TS 8                    | 30,74  |
| 10           | S               | Z TS 10               | 52,60  | Z STA TS 10                   | 33,77  |
| 12           | S               | Z TS 12               | 61,03  | Z STA TS 12                   | 40,76  |
| 14           | S               | Z TS 14               | 78,21  | Z STA TS 14                   | 51,04  |
| 16           | S               | Z TS 16               | 83,84  | Z STA TS 16                   | 53,51  |
| 20           | S               | Z TS 20               | 121,52 | Z STA TS 20                   | 79,29  |
| 25           | S               | Z TS 25               | 230,86 | Z STA TS 25                   | 126,99 |
| 30           | S               | Z TS 30               | 333,78 | Z STA TS 30                   | 210,11 |
| 38           | S               | Z TS 38               | 474,54 | Z STA TS 38                   | 301,00 |

| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z KVL 6               | 71,41  | Z STA KVL 6                   | 52,77  |
| 8            | L               | Z KVL 8               | 72,63  | Z STA KVL 8                   | 53,85  |
| 10           | L               | Z KVL 10              | 95,97  | Z STA KVL 10                  | 75,82  |
| 12           | L               | Z KVL 12              | 93,35  | Z STA KVL 12                  | 69,60  |
| 15           | L               | Z KVL 15              | 140,03 | Z STA KVL 15                  | 108,28 |
| 18           | L               | Z KVL 18              | 158,38 | Z STA KVL 18                  | 118,06 |
| 22           | L               | Z KVL 22              | 195,61 | Z STA KVL 22                  | 142,36 |
| 28           | L               | Z KVL 28              | 227,04 | Z STA KVL 28                  | 156,02 |
| 35           | L               | Z KVL 35              | 566,07 | Z STA KVL 35                  | 452,46 |
| 42           | L               | Z KVL 42              | 812,03 | Z STA KVL 42                  | 628,40 |
| 6            | S               | Z KVS 6               | 80,80  | Z STA KVS 6                   | 60,67  |
| 8            | S               | Z KVS 8               | 92,66  | Z STA KVS 8                   | 71,48  |
| 10           | S               | Z KVS 10              | 120,82 | Z STA KVS 10                  | 95,76  |
| 12           | S               | Z KVS 12              | 138,90 | Z STA KVS 12                  | 111,90 |
| 14           | S               | Z KVS 14              | 184,33 | Z STA KVS 14                  | 148,15 |
| 16           | S               | Z KVS 16              | 199,98 | Z STA KVS 16                  | 159,59 |
| 20           | S               | Z KVS 20              | 218,95 | Z STA KVS 20                  | 162,68 |
| 25           | S               | Z KVS 25              | 316,97 | Z STA KVS 25                  | 178,52 |
| 30           | S               | Z KVS 30              | 427,02 | Z STA KVS 30                  | 262,17 |
| 38           | S               | Z KVS 38              | 686,37 | Z STA KVS 38                  | 455,02 |

# DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

Raccords à bague DIN 2353

## Straight male stud coupling BSP cyl. 60°

Racor recto rosca cilíndrica BSP cono 60°

Gerade Einschraubverschr. zyl. BSP kon. 60°

Raccord Union simple mâle gaz cylindrique 60°



| TUBO<br>PIPE | ROSCA<br>THREAD | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €     |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|-------|
| 6            | 1/8" BSP        | L               | Z AL 6 RC 1/8         | 11,45  | Z STA AL 6 RC 1/8             | 6,70  |
| 6            | 1/4" BSP        | L               | Z AL 6 RC 1/4         | 17,13  | Z STA AL 6 RC 1/4             | 12,37 |
| 6            | 3/8" BSP        | L               | Z AL 6 RC 3/8         | 26,25  | Z STA AL 6 RC 3/8             | 21,50 |
| 6            | 1/2" BSP        | L               | Z AL 6 RC 1/2         | 36,89  | Z STA AL 6 RC 1/2             | 32,14 |
| 8            | 1/8" BSP        | L               | Z AL 8 RC 1/8         | 16,75  | Z STA AL 8 RC 1/8             | 11,96 |
| 8            | 1/4" BSP        | L               | Z AL 8 RC 1/4         | 15,35  | Z STA AL 8 RC 1/4             | 10,56 |
| 8            | 3/8" BSP        | L               | Z AL 8 RC 3/8         | 18,84  | Z STA AL 8 RC 3/8             | 14,05 |
| 8            | 1/2" BSP        | L               | Z AL 8 RC 1/2         | 30,40  | Z STA AL 8 RC 1/2             | 25,61 |
| 10           | 1/8" BSP        | L               | Z AL 10 RC 1/8        | 18,46  | Z STA AL 10 RC 1/8            | 13,33 |
| 10           | 1/4" BSP        | L               | Z AL 10 RC 1/4        | 14,99  | Z STA AL 10 RC 1/4            | 9,86  |
| 10           | 3/8" BSP        | L               | Z AL 10 RC 3/8        | 17,97  | Z STA AL 10 RC 3/8            | 12,83 |
| 10           | 1/2" BSP        | L               | Z AL 10 RC 1/2        | 24,06  | Z STA AL 10 RC 1/2            | 18,93 |
| 12           | 1/4" BSP        | L               | Z AL 12 RC 1/4        | 17,77  | Z STA AL 12 RC 1/4            | 11,74 |
| 12           | 3/8" BSP        | L               | Z AL 12 RC 3/8        | 17,66  | Z STA AL 12 RC 3/8            | 11,63 |
| 12           | 1/2" BSP        | L               | Z AL 12 RC 1/2        | 22,79  | Z STA AL 12 RC 1/2            | 16,76 |
| 15           | 3/8" BSP        | L               | Z AL 15 RC 3/8        | 24,41  | Z STA AL 15 RC 3/8            | 16,38 |
| 15           | 1/2" BSP        | L               | Z AL 15 RC 1/2        | 26,26  | Z STA AL 15 RC 1/2            | 18,23 |
| 15           | 3/4" BSP        | L               | Z AL 15 RC 3/4        | 35,35  | Z STA AL 15 RC 3/4            | 27,31 |
| 18           | 1/2" BSP        | L               | Z AL 18 RC 1/2        | 31,54  | Z STA AL 18 RC 1/2            | 21,36 |
| 18           | 3/4" BSP        | L               | Z AL 18 RC 3/4        | 33,98  | Z STA AL 18 RC 3/4            | 23,81 |
| 18           | 3/8" BSP        | L               | Z AL 18 RC 3/8        | 35,24  | Z STA AL 18 RC 3/8            | 25,06 |
| 22           | 3/8" BSP        | L               | Z AL 22 RC 3/8        | 43,04  | Z STA AL 22 RC 3/8            | 29,64 |
| 22           | 1/2" BSP        | L               | Z AL 22 RC 1/2        | 42,18  | Z STA AL 22 RC 1/2            | 28,78 |
| 22           | 3/4" BSP        | L               | Z AL 22 RC 3/4        | 38,35  | Z STA AL 22 RC 3/4            | 24,95 |
| 22           | 1" BSP          | L               | Z AL 22 RC 1          | 52,34  | Z STA AL 22 RC 1              | 38,93 |
| 28           | 3/4" BSP        | L               | Z AL 28 RC 3/4        | 50,91  | Z STA AL 28 RC 3/4            | 33,06 |
| 28           | 1" BSP          | L               | Z AL 28 RC 1          | 54,80  | Z STA AL 28 RC 1              | 36,95 |
| 35           | 1" 1/4 BSP      | L               | Z AL 35 RC 1 1/4      | 100,55 | Z STA AL 35 RC 1 1/4          | 72,05 |
| 35           | 1" 1/2 BSP      | L               | Z AL 35 RC 1 1/2      | 97,66  | Z STA AL 35 RC 1 1/2          | 69,16 |
| 42           | 1" 1/4 BSP      | L               | Z AL 42 RC 1 1/4      | 134,14 | Z STA AL 42 RC 1 1/4          | 88,14 |
| 42           | 1" 1/2 BSP      | L               | Z AL 42 RC 1 1/2      | 121,24 | Z STA AL 42 RC 1 1/2          | 75,24 |
| 6            | 1/4" BSP        | S               | Z AS 6 RC 1/4         | 24,20  | Z STA AS 6 RC 1/4             | 19,07 |
| 6            | 3/8" BSP        | S               | Z AS 6 RC 3/8         | 22,95  | Z STA AS 6 RC 3/8             | 17,82 |
| 8            | 1/4" BSP        | S               | Z AS 8 RC 1/4         | 17,50  | Z STA AS 8 RC 1/4             | 12,11 |
| 8            | 3/8" BSP        | S               | Z AS 8 RC 3/8         | 21,04  | Z STA AS 8 RC 3/8             | 15,65 |
| 8            | 1/2" BSP        | S               | Z AS 8 RC 1/2         | 32,75  | Z STA AS 8 RC 1/2             | 27,36 |
| 10           | 1/4" BSP        | S               | Z AS 10 RC 1/4        | 17,86  | Z STA AS 10 RC 1/4            | 11,50 |
| 10           | 3/8" BSP        | S               | Z AS 10 RC 3/8        | 26,00  | Z STA AS 10 RC 3/8            | 19,64 |
| 10           | 1/2" BSP        | S               | Z AS 10 RC 1/2        | 32,41  | Z STA AS 10 RC 1/2            | 26,05 |
| 12           | 1/4" BSP        | S               | Z AS 12 RC 1/4        | 23,83  | Z STA AS 12 RC 1/4            | 16,99 |
| 12           | 3/8" BSP        | S               | Z AS 12 RC 3/8        | 23,64  | Z STA AS 12 RC 3/8            | 16,80 |
| 12           | 1/2" BSP        | S               | Z AS 12 RC 1/2        | 27,42  | Z STA AS 12 RC 1/2            | 20,58 |
| 14           | 3/8" BSP        | S               | Z AS 14 RC 3/8        | 35,98  | Z STA AS 14 RC 3/8            | 26,84 |
| 14           | 1/2" BSP        | S               | Z AS 14 RC 1/2        | 34,42  | Z STA AS 14 RC 1/2            | 25,29 |
| 16           | 3/8" BSP        | S               | Z AS 16 RC 3/8        | 32,76  | Z STA AS 16 RC 3/8            | 22,56 |
| 16           | 1/2" BSP        | S               | Z AS 16 RC 1/2        | 28,77  | Z STA AS 16 RC 1/2            | 18,58 |
| 16           | 3/4" BSP        | S               | Z AS 16 RC 3/4        | 41,50  | Z STA AS 16 RC 3/4            | 31,31 |
| 20           | 3/8" BSP        | S               | Z AS 20 RC 3/8        | 45,60  | Z STA AS 20 RC 3/8            | 31,44 |
| 20           | 1/2" BSP        | S               | Z AS 20 RC 1/2        | 41,20  | Z STA AS 20 RC 1/2            | 27,04 |
| 20           | 3/4" BSP        | S               | Z AS 20 RC 3/4        | 46,06  | Z STA AS 20 RC 3/4            | 31,90 |
| 20           | 1" BSP          | S               | Z AS 20 RC 1          | 61,86  | Z STA AS 20 RC 1              | 47,70 |
| 25           | 3/4" BSP        | S               | Z AS 25 RC 3/4        | 76,68  | Z STA AS 25 RC 3/4            | 41,98 |
| 25           | 1" BSP          | S               | Z AS 25 RC 1          | 79,25  | Z STA AS 25 RC 1              | 44,54 |
| 25           | 1" 1/4 BSP      | S               | Z AS 25 RC 1 1/4      | 108,54 | Z STA AS 25 RC 1 1/4          | 73,83 |
| 30           | 1" BSP          | S               | Z AS 30 RC 1          | 109,26 | Z STA AS 30 RC 1              | 67,95 |
| 30           | 1" 1/4 BSP      | S               | Z AS 30 RC 1 1/4      | 126,66 | Z STA AS 30 RC 1 1/4          | 85,35 |
| 30           | 1" 1/2 BSP      | S               | Z AS 30 RC 1 1/2      | 115,76 | Z STA AS 30 RC 1 1/2          | 74,45 |
| 38           | 1" 1/4 BSP      | S               | Z AS 38 RC 1 1/4      | 146,42 | Z STA AS 38 RC 1 1/4          | 88,49 |
| 38           | 1" 1/2 BSP      | S               | Z AS 38 RC 1 1/2      | 151,28 | Z STA AS 38 RC 1 1/2          | 93,35 |

## Straight male stud coupling BSP cylindrical with captive seal

Racor recto rosca cilíndrica BSP con junta

Gerade Einschraubverschr. mit Flachdichtung BSP ZYL - GE-R-ED

Raccord union simple mâle gaz cylindrique avec joint plat



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | 1/8" BSP        | Z AL 6 R 1/8WD        | 14,33  | Z STA AL 6 R 1/8WD            | 9,57   |
| 6            | L               | 1/4" BSP        | Z AL 6 R 1/4WD        | 17,44  | Z STA AL 6 R 1/4WD            | 12,69  |
| 6            | L               | 3/8" BSP        | Z AL 6 R 3/8WD        | 18,77  | Z STA AL 6 R 3/8WD            | 14,01  |
| 8            | L               | 1/8" BSP        | Z AL 8 R 1/8WD        | 15,47  | Z STA AL 8 R 1/8WD            | 10,68  |
| 8            | L               | 1/4" BSP        | Z AL 8 R 1/4WD        | 15,58  | Z STA AL 8 R 1/4WD            | 10,79  |
| 8            | L               | 3/8" BSP        | Z AL 8 R 3/8WD        | 19,41  | Z STA AL 8 R 3/8WD            | 14,62  |
| 8            | L               | 1/2" BSP        | Z AL 8 R 1/2WD        | 22,85  | Z STA AL 8 R 1/2WD            | 18,06  |
| 10           | L               | 1/8" BSP        | Z AL 10 R 1/8WD       | 19,43  | Z STA AL 10 R 1/8WD           | 14,29  |
| 10           | L               | 1/4" BSP        | Z AL 10 R 1/4WD       | 16,10  | Z STA AL 10 R 1/4WD           | 10,97  |
| 10           | L               | 3/8" BSP        | Z AL 10 R 3/8WD       | 19,55  | Z STA AL 10 R 3/8WD           | 14,42  |
| 10           | L               | 1/2" BSP        | Z AL 10 R 1/2WD       | 24,32  | Z STA AL 10 R 1/2WD           | 19,19  |
| 12           | L               | 1/4" BSP        | Z AL 12 R 1/4WD       | 19,13  | Z STA AL 12 R 1/4WD           | 13,10  |
| 12           | L               | 3/8" BSP        | Z AL 12 R 3/8WD       | 18,95  | Z STA AL 12 R 3/8WD           | 12,92  |
| 12           | L               | 1/2" BSP        | Z AL 12 R 1/2WD       | 23,28  | Z STA AL 12 R 1/2WD           | 17,24  |
| 15           | L               | 3/8" BSP        | Z AL 15 R 3/8WD       | 26,63  | Z STA AL 15 R 3/8WD           | 18,59  |
| 15           | L               | 1/2" BSP        | Z AL 15 R 1/2WD       | 25,91  | Z STA AL 15 R 1/2WD           | 17,88  |
| 15           | L               | 3/4" BSP        | Z AL 15 R 3/4WD       | 34,38  | Z STA AL 15 R 3/4WD           | 26,34  |
| 18           | L               | 3/8" BSP        | Z AL 18 R 3/8WD       | 38,10  | Z STA AL 18 R 3/8WD           | 27,93  |
| 18           | L               | 1/2" BSP        | Z AL 18 R 1/2WD       | 29,25  | Z STA AL 18 R 1/2WD           | 19,07  |
| 18           | L               | 3/4" BSP        | Z AL 18 R 3/4WD       | 36,11  | Z STA AL 18 R 3/4WD           | 25,94  |
| 22           | L               | 1/2" BSP        | Z AL 22 R 1/2WD       | 41,07  | Z STA AL 22 R 1/2WD           | 27,67  |
| 22           | L               | 3/4" BSP        | Z AL 22 R 3/4WD       | 36,41  | Z STA AL 22 R 3/4WD           | 23,01  |
| 22           | L               | 1" BSP          | Z AL 22 R 1WD         | 50,86  | Z STA AL 22 R 1WD             | 37,46  |
| 28           | L               | 3/4" BSP        | Z AL 28 R 3/4WD       | 57,13  | Z STA AL 28 R 3/4WD           | 39,28  |
| 28           | L               | 1" BSP          | Z AL 28 R 1WD         | 57,01  | Z STA AL 28 R 1WD             | 39,16  |
| 35           | L               | 1" BSP          | Z AL 35 R 1WD         | 91,77  | Z STA AL 35 R 1WD             | 63,27  |
| 35           | L               | 1" 1/4 BSP      | Z AL 35 R 1 1/4WD     | 97,36  | Z STA AL 35 R 1 1/4WD         | 68,86  |
| 42           | L               | 1" 1/4 BSP      | Z AL 42 R 1 1/4WD     | 163,81 | Z STA AL 42 R 1 1/4WD         | 117,81 |
| 42           | L               | 1" 1/2 BSP      | Z AL 42 R 1 1/2WD     | 129,36 | Z STA AL 42 R 1 1/2WD         | 83,35  |
| 6            | S               | 1/4" BSP        | Z AS 6 R 1/4WD        | 20,75  | Z STA AS 6 R 1/4WD            | 15,62  |
| 8            | S               | 1/4" BSP        | Z AS 8 R 1/4WD        | 20,57  | Z STA AS 8 R 1/4WD            | 15,18  |
| 8            | S               | 3/8" BSP        | Z AS 8 R 3/8WD        | 22,61  | Z STA AS 8 R 3/8WD            | 17,22  |
| 8            | S               | 1/2" BSP        | Z AS 8 R 1/2WD        | 27,77  | Z STA AS 8 R 1/2WD            | 22,38  |
| 10           | S               | 1/4" BSP        | Z AS 10 R 1/4WD       | 21,32  | Z STA AS 10 R 1/4WD           | 14,96  |
| 10           | S               | 3/8" BSP        | Z AS 10 R 3/8WD       | 24,58  | Z STA AS 10 R 3/8WD           | 18,22  |
| 10           | S               | 1/2" BSP        | Z AS 10 R 1/2WD       | 32,12  | Z STA AS 10 R 1/2WD           | 25,76  |
| 12           | S               | 1/4" BSP        | Z AS 12 R 1/4WD       | 27,01  | Z STA AS 12 R 1/4WD           | 20,16  |
| 12           | S               | 3/8" BSP        | Z AS 12 R 3/8WD       | 23,80  | Z STA AS 12 R 3/8WD           | 16,95  |
| 12           | S               | 1/2" BSP        | Z AS 12 R 1/2WD       | 30,15  | Z STA AS 12 R 1/2WD           | 23,30  |
| 14           | S               | 3/8" BSP        | Z AS 14 R 3/8WD       | 36,69  | Z STA AS 14 R 3/8WD           | 27,55  |
| 14           | S               | 1/2" BSP        | Z AS 14 R 1/2WD       | 33,28  | Z STA AS 14 R 1/2WD           | 24,14  |
| 16           | S               | 3/8" BSP        | Z AS 16 R 3/8WD       | 31,35  | Z STA AS 16 R 3/8WD           | 21,16  |
| 16           | S               | 1/2" BSP        | Z AS 16 R 1/2WD       | 30,48  | Z STA AS 16 R 1/2WD           | 20,29  |
| 16           | S               | 3/4" BSP        | Z AS 16 R 3/4WD       | 38,29  | Z STA AS 16 R 3/4WD           | 28,10  |
| 20           | S               | 1/2" BSP        | Z AS 20 R 1/2WD       | 44,66  | Z STA AS 20 R 1/2WD           | 30,50  |
| 20           | S               | 3/4" BSP        | Z AS 20 R 3/4WD       | 42,77  | Z STA AS 20 R 3/4WD           | 28,61  |
| 25           | S               | 3/4" BSP        | Z AS 25 R 3/4WD       | 82,33  | Z STA AS 25 R 3/4WD           | 47,63  |
| 25           | S               | 1" BSP          | Z AS 25 R 1WD         | 85,13  | Z STA AS 25 R 1WD             | 50,42  |
| 25           | S               | 1" 1/4 BSP      | Z AS 25 R 1 1/4WD     | 109,70 | Z STA AS 25 R 1 1/4WD         | 74,99  |
| 30           | S               | 1" BSP          | Z AS 30 R 1WD         | 92,82  | Z STA AS 30 R 1WD             | 51,51  |
| 30           | S               | 1" 1/4 BSP      | Z AS 30 R 1 1/4WD     | 116,25 | Z STA AS 30 R 1 1/4WD         | 74,95  |
| 30           | S               | 1" 1/2 BSP      | Z AS 30 R 1 1/2WD     | 164,40 | Z STA AS 30 R 1 1/2WD         | 123,09 |
| 38           | S               | 1" 1/4 BSP      | Z AS 38 R 1 1/4WD     | 153,80 | Z STA AS 38 R 1 1/4WD         | 95,87  |
| 38           | S               | 1" 1/2 BSP      | Z AS 38 R 1 1/2WD     | 144,23 | Z STA AS 38 R 1 1/2WD         | 86,30  |



# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Straight male stud coupling BSP cylindrical

Racor recto rosca cilíndrica BSP

Gerade Einschraubversch. BSP 60°  
Innenkonus – GE-R

Raccord union simple gaz cylindrique mâle



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €     |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|-------|
| 6            | LL              | 1/8" BSP        | Z ALL 6 R 1/8         | 14,76  | ---                           | *     |
| 10           | L               | 1/8" BSP        | Z AL 10 R 1/8         | 15,05  | ---                           | *     |
| 15           | L               | 3/4" BSP        | Z AL 15 R 3/4         | 29,61  | ---                           | *     |
| 6            | S               | 1/4" BSP        | Z AS 6 R 1/4          | 18,82  | Z STA AS 6 R 1/4              | 13,66 |
| 8            | S               | 1/4" BSP        | Z AS 8 R 1/4          | 15,10  | Z STA AS 8 R 1/4              | 11,01 |
| 8            | S               | 1/2" BSP        | Z AS 8 R 1/2          | 27,25  | ---                           | *     |
| 10           | S               | 1/4" BSP        | Z AS 10 R 1/4         | 17,29  | Z STA AS 10 R 1/4             | 12,37 |
| 10           | S               | 3/8" BSP        | Z AS 10 R 3/8         | 17,70  | Z STA AS 10 R 3/8             | 13,57 |
| 38           | S               | 1" 1/4 BSP      | Z AS 38 R 1 1/4       | 130,09 | Z STA AS 38 R 1 1/4           | 87,52 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Straight male stud coupling Metric cylindrical with captive seal

Racor recto rosca cilíndrica Métrica con junta

Gerade metr. Einschraubversch. mit  
Flachdichtung GE-M-ED

Raccord union simple mâle cylindrique  
Métrique avec joint plat



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | M10x1           | Z AL 6 M 10X1 WD      | 12,92  | Z STA AL 6 M 10X1 WD          | 8,16   |
| 8            | L               | M12x1.5         | Z AL 8 M 12X1.5 WD    | 17,10  | Z STA AL 8 M 12X1.5 WD        | 12,31  |
| 10           | L               | M12x1.5         | Z AL 10 M 12X1.5 WD   | 28,34  | Z STA AL 10 M 12X1.5 WD       | 23,21  |
| 10           | L               | M14x1.5         | Z AL 10 M 14X1.5 WD   | 20,54  | Z STA AL 10 M 14X1.5 WD       | 15,41  |
| 10           | L               | M16x1.5         | Z AL 10 M 16X1.5 WD   | 23,00  | Z STA AL 10 M 16X1.5 WD       | 17,87  |
| 12           | L               | M16x1.5         | Z AL 12 M 16X1.5 WD   | 23,12  | Z STA AL 12 M 16X1.5 WD       | 17,08  |
| 12           | L               | M18x1.5         | Z AL 12 M 18X1.5 WD   | 24,08  | Z STA AL 12 M 18X1.5 WD       | 18,04  |
| 12           | L               | M22x1.5         | Z AL 12 M 22X1.5 WD   | 31,28  | Z STA AL 12 M 22X1.5 WD       | 25,25  |
| 15           | L               | M18x1.5         | Z AL 15 M 18X1.5 WD   | 33,70  | Z STA AL 15 M 18X1.5 WD       | 25,66  |
| 18           | L               | M22x1.5         | Z AL 18 M 22X1.5 WD   | 36,41  | Z STA AL 18 M 22X1.5 WD       | 26,23  |
| 22           | L               | M26x1.5         | Z AL 22 M 26X1.5 WD   | 44,18  | Z STA AL 22 M 26X1.5 WD       | 30,77  |
| 28           | L               | M33x2           | Z AL 28 M 33X2 WD     | 59,27  | Z STA AL 28 M 33X2 WD         | 41,42  |
| 35           | L               | M42x2           | Z AL 35 M 42X2 WD     | 132,04 | Z STA AL 35 M 42X2 WD         | 103,54 |
| 42           | L               | M48x2           | Z AL 42 M 48X2 WD     | 195,92 | Z STA AL 42 M 48X2 WD         | 149,92 |
| 6            | S               | M12x1.5         | Z AS 6 M 12X1.5 WD    | 28,86  | Z STA AS 6 M 12X1.5 WD        | 23,73  |
| 6            | S               | M14x1.5         | Z AS 6 M 14X1.5 WD    | 29,05  | Z STA AS 6 M 14X1.5 WD        | 23,93  |
| 8            | S               | M14x1.5         | Z AS 8 M 14X1.5 WD    | 30,56  | Z STA AS 8 M 14X1.5 WD        | 25,17  |
| 10           | S               | M16x1.5         | Z AS 10 M 16X1.5 WD   | 34,02  | Z STA AS 10 M 16X1.5 WD       | 27,66  |
| 12           | S               | M14x1.5         | Z AS 12 M 14X1.5 WD   | 28,11  | Z STA AS 12 M 14X1.5 WD       | 21,27  |
| 12           | S               | M18x1.5         | Z AS 12 M 18X1.5 WD   | 27,24  | Z STA AS 12 M 18X1.5 WD       | 20,40  |
| 14           | S               | M20x1.5         | Z AS 14 M 20X1.5 WD   | 45,74  | Z STA AS 14 M 20X1.5 WD       | 36,60  |
| 16           | S               | M22x1.5         | Z AS 16 M 22X1.5 WD   | 37,16  | Z STA AS 16 M 22X1.5 WD       | 26,97  |
| 20           | S               | M27x2           | Z AS 20 M 27X2 WD     | 47,01  | Z STA AS 20 M 27X2 WD         | 32,85  |
| 25           | S               | M33x2           | Z AS 25 M 33X2 WD     | 102,52 | Z STA AS 25 M 33X2 WD         | 67,82  |
| 30           | S               | M42x2           | Z AS 30 M 42X2 WD     | 143,04 | Z STA AS 30 M 42X2 WD         | 101,73 |
| 38           | S               | M48x2           | Z AS 38 M 48X2 WD     | 213,21 | Z STA AS 38 M 48X2 WD         | 155,28 |

## Straight male stud coupling UNF

Racor recto rosca UNF

Gerade Einschraubversch. UNF

Raccord union simple mâle UNF



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 8            | L               | 7/16" UNF       | Z AL 8 7/16 UNF       | 23,89  | Z STA AL 8 7/16 UNF           | 19,10  |
| 10           | L               | 7/16" UNF       | Z AL 10 7/16 UNF      | 24,81  | Z STA AL 10 7/16 UNF          | 19,68  |
| 12           | L               | 3/4" UNF        | Z AL 12 3/4 UNF       | 26,04  | Z STA AL 12 3/4 UNF           | 20,01  |
| 12           | L               | 9/16" UNF       | Z AL 12 9/16 UNF      | 23,47  | Z STA AL 12 9/16 UNF          | 17,44  |
| 15           | L               | 3/4" UNF        | Z AL 15 3/4 UNF       | 35,33  | Z STA AL 15 3/4 UNF           | 27,30  |
| 18           | L               | 7/8" UNF        | Z AL 18 7/8 UNF       | 35,44  | Z STA AL 18 7/8 UNF           | 25,26  |
| 22           | L               | 1" 1/16 UNF     | Z AL 22 1 1/16 UNF    | 43,67  | Z STA AL 22 1 1/16 UNF        | 30,26  |
| 28           | L               | 1" 5/16 UNF     | Z AL 28 1 5/16 UNF    | 63,47  | Z STA AL 28 1 5/16 UNF        | 45,62  |
| 35           | L               | 1" 5/8 UNF      | Z AL 35 1 5/8 UNF     | 112,68 | Z STA AL 35 1 5/8 UNF         | 84,18  |
| 8            | S               | 7/16" UNF       | Z AS 8 7/16 UNF       | 22,93  | Z STA AS 8 7/16 UNF           | 17,53  |
| 10           | S               | 9/16" UNF       | Z AS 10 9/16 UNF      | 26,14  | Z STA AS 10 9/16 UNF          | 19,78  |
| 12           | S               | 9/16" UNF       | Z AS 12 9/16 UNF      | 27,11  | Z STA AS 12 9/16 UNF          | 20,27  |
| 16           | S               | 3/4" UNF        | Z AS 16 3/4 UNF       | 38,40  | Z STA AS 16 3/4 UNF           | 28,21  |
| 20           | S               | 7/8" UNF        | Z AS 20 7/8 UNF       | 52,71  | Z STA AS 20 7/8 UNF           | 38,54  |
| 20           | S               | 1" 1/16 UNF     | Z AS 20 1 1/16 UNF    | 55,31  | Z STA AS 20 1 1/16 UNF        | 41,14  |
| 25           | S               | 1" 5/16 UNF     | Z AS 25 1 5/16 UNF    | 94,10  | Z STA AS 25 1 5/16 UNF        | 59,39  |
| 30           | S               | 1" 5/16 UNF     | Z AS 30 1 5/16 UNF    | 114,06 | Z STA AS 30 1 5/16 UNF        | 72,75  |
| 38           | S               | 1" 5/8 UNF      | Z AS 38 1 5/8 UNF     | 188,70 | Z STA AS 38 1 5/8 UNF         | 130,77 |

# DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

Raccords à bague DIN 2353

## Straight male stud coupling NPT

Racor recto rosca cónica NPT

Gerade Einschraubversch.  
NPT - EVGE-NPT

Raccord union simple mâle NPT



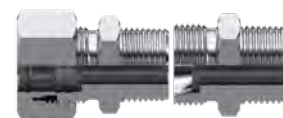
| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €     |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|-------|
| 6            | L               | 1/8"NPT         | Z AKL 6 1/8 NPT       | 14,14  | Z STA AKL 6 1/8 NPT           | 9,39  |
| 6            | L               | 1/4"NPT         | Z AKL 6 1/4 NPT       | 18,96  | Z STA AKL 6 1/4 NPT           | 14,20 |
| 6            | L               | 3/8"NPT         | Z AKL 6 3/8 NPT       | 24,65  | Z STA AKL 6 3/8 NPT           | 19,90 |
| 8            | L               | 1/8"NPT         | Z AKL 8 1/8 NPT       | 14,93  | Z STA AKL 8 1/8 NPT           | 10,13 |
| 8            | L               | 1/4"NPT         | Z AKL 8 1/4 NPT       | 15,77  | Z STA AKL 8 1/4 NPT           | 10,98 |
| 8            | L               | 3/8"NPT         | Z AKL 8 3/8 NPT       | 18,07  | Z STA AKL 8 3/8 NPT           | 13,28 |
| 8            | L               | 1/2"NPT         | Z AKL 8 1/2 NPT       | 21,91  | Z STA AKL 8 1/2 NPT           | 17,12 |
| 10           | L               | 1/4"NPT         | Z AKL 10 1/4 NPT      | 16,43  | Z STA AKL 10 1/4 NPT          | 11,30 |
| 10           | L               | 3/8"NPT         | Z AKL 10 3/8 NPT      | 17,94  | Z STA AKL 10 3/8 NPT          | 12,80 |
| 10           | L               | 1/2"NPT         | Z AKL 10 1/2 NPT      | 24,45  | Z STA AKL 10 1/2 NPT          | 19,31 |
| 12           | L               | 1/4"NPT         | Z AKL 12 1/4 NPT      | 20,31  | Z STA AKL 12 1/4 NPT          | 14,28 |
| 12           | L               | 3/8"NPT         | Z AKL 12 3/8 NPT      | 20,64  | Z STA AKL 12 3/8 NPT          | 14,61 |
| 12           | L               | 1/2"NPT         | Z AKL 12 1/2 NPT      | 22,25  | Z STA AKL 12 1/2 NPT          | 16,22 |
| 15           | L               | 3/8"NPT         | Z AKL 15 3/8 NPT      | 28,51  | Z STA AKL 15 3/8 NPT          | 20,47 |
| 15           | L               | 1/2"NPT         | Z AKL 15 1/2 NPT      | 29,59  | Z STA AKL 15 1/2 NPT          | 21,56 |
| 18           | L               | 1/2"NPT         | Z AKL 18 1/2 NPT      | 36,00  | Z STA AKL 18 1/2 NPT          | 25,83 |
| 18           | L               | 3/4"NPT         | Z AKL 18 3/4 NPT      | 38,77  | Z STA AKL 18 3/4 NPT          | 28,59 |
| 22           | L               | 3/4"NPT         | Z AKL 22 3/4 NPT      | 41,08  | Z STA AKL 22 3/4 NPT          | 27,67 |
| 28           | L               | 1"NPT           | Z AKL 28 1 NPT        | 63,22  | Z STA AKL 28 1 NPT            | 45,37 |
| 35           | L               | 1 1/4"NPT       | Z AKL 35 1 1/4 NPT    | 83,96  | Z STA AKL 35 1 1/4 NPT        | 55,46 |
| 42           | L               | 1 1/2"NPT       | Z AKL 42 1 1/2 NPT    | 131,79 | Z STA AKL 42 1 1/2 NPT        | 85,78 |
| 6            | S               | 1/8"NPT         | Z AKS 6 1/8 NPT       | 21,01  | Z STA AKS 6 1/8 NPT           | 15,88 |
| 6            | S               | 1/4"NPT         | Z AKS 6 1/4 NPT       | 21,32  | Z STA AKS 6 1/4 NPT           | 16,19 |
| 6            | S               | 3/8"NPT         | Z AKS 6 3/8 NPT       | 26,45  | Z STA AKS 6 3/8 NPT           | 21,70 |
| 8            | S               | 1/4"NPT         | Z AKS 8 1/4 NPT       | 18,48  | Z STA AKS 8 1/4 NPT           | 13,09 |
| 8            | S               | 3/8"NPT         | Z AKS 8 3/8 NPT       | 28,65  | Z STA AKS 8 3/8 NPT           | 23,25 |
| 8            | S               | 1/2"NPT         | Z AKS 8 1/2 NPT       | 29,93  | Z STA AKS 8 1/2 NPT           | 24,54 |
| 10           | S               | 1/4"NPT         | Z AKS 10 1/4 NPT      | 21,95  | Z STA AKS 10 1/4 NPT          | 15,58 |
| 10           | S               | 3/8"NPT         | Z AKS 10 3/8 NPT      | 21,58  | Z STA AKS 10 3/8 NPT          | 15,22 |
| 10           | S               | 1/2"NPT         | Z AKS 10 1/2 NPT      | 33,67  | Z STA AKS 10 1/2 NPT          | 27,31 |
| 12           | S               | 1/4"NPT         | Z AKS 12 1/4 NPT      | 28,79  | Z STA AKS 12 1/4 NPT          | 21,94 |
| 12           | S               | 3/8"NPT         | Z AKS 12 3/8 NPT      | 26,35  | Z STA AKS 12 3/8 NPT          | 19,50 |
| 12           | S               | 1/2"NPT         | Z AKS 12 1/2 NPT      | 27,24  | Z STA AKS 12 1/2 NPT          | 20,39 |
| 14           | S               | 1/2"NPT         | Z AKS 14 1/2 NPT      | 35,22  | Z STA AKS 14 1/2 NPT          | 26,09 |
| 16           | S               | 1/2"NPT         | Z AKS 16 1/2 NPT      | 36,88  | Z STA AKS 16 1/2 NPT          | 26,69 |
| 16           | S               | 3/4"NPT         | Z AKS 16 3/4 NPT      | 59,46  | Z STA AKS 16 3/4 NPT          | 49,26 |
| 20           | S               | 1/2"NPT         | Z AKS 20 1/2 NPT      | 44,67  | Z STA AKS 20 1/2 NPT          | 30,50 |
| 20           | S               | 3/4"NPT         | Z AKS 20 3/4 NPT      | 59,20  | Z STA AKS 20 3/4 NPT          | 45,04 |
| 20           | S               | 1"NPT           | Z AKS 20 1 NPT        | 63,18  | Z STA AKS 20 1 NPT            | 49,01 |
| 25           | S               | 3/4"NPT         | Z AKS 25 3/4 NPT      | 86,97  | Z STA AKS 25 3/4 NPT          | 52,26 |
| 25           | S               | 1"NPT           | Z AKS 25 1 NPT        | 84,45  | Z STA AKS 25 1 NPT            | 49,74 |
| 30           | S               | 1"NPT           | Z AKS 30 1 NPT        | 117,32 | Z STA AKS 30 1 NPT            | 76,01 |
| 30           | S               | 1 1/4"NPT       | Z AKS 30 1 1/4 NPT    | 119,17 | Z STA AKS 30 1 1/4 NPT        | 77,86 |
| 38           | S               | 1 1/2"NPT       | Z AKS 38 1 1/2 NPT    | 152,81 | Z STA AKS 38 1 1/2 NPT        | 94,88 |

## Straight male stud coupling BSPT

Racor recto rosca cónica BSPT

Gerade Einschraubversch.  
kegelig - GE-BSPT

Raccord union simple mâle conique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | LL              | 1/8" BSPT       | Z AKLL 6 R 1/8        | *      | ---                           | *      |
| 8            | LL              | 1/8" BSPT       | Z AKLL 8 R 1/8        | *      | ---                           | *      |
| 6            | L               | 1/8" BSPT       | Z AKL 6 R 1/8         | 13,49  | Z STA AKL 6 R 1/8             | 8,73   |
| 6            | L               | 1/4" BSPT       | Z AKL 6 R 1/4         | 15,00  | Z STA AKL 6 R 1/4             | 10,25  |
| 8            | L               | 1/8" BSPT       | Z AKL 8 R 1/8         | 16,66  | Z STA AKL 8 R 1/8             | 11,87  |
| 8            | L               | 1/4" BSPT       | Z AKL 8 R 1/4         | 15,59  | Z STA AKL 8 R 1/4             | 10,80  |
| 6            | L               | 3/8" BSPT       | Z AKL 6 R 3/8         | 22,24  | Z STA AKL 6 R 3/8             | 17,49  |
| 8            | L               | 3/8" BSPT       | Z AKL 8 R 3/8         | 18,85  | Z STA AKL 8 R 3/8             | 14,06  |
| 10           | L               | 1/4" BSPT       | Z AKL 10 R 1/4        | 15,94  | Z STA AKL 10 R 1/4            | 10,81  |
| 10           | L               | 3/8" BSPT       | Z AKL 10 R 3/8        | 15,55  | Z STA AKL 10 R 3/8            | 10,42  |
| 10           | L               | 1/2" BSPT       | Z AKL 10 R 1/2        | 20,55  | Z STA AKL 10 R 1/2            | 15,42  |
| 12           | L               | 1/4" BSPT       | Z AKL 12 R 1/4        | 18,54  | Z STA AKL 12 R 1/4            | 12,51  |
| 12           | L               | 3/8" BSPT       | Z AKL 12 R 3/8        | 18,66  | Z STA AKL 12 R 3/8            | 12,63  |
| 12           | L               | 1/2" BSPT       | Z AKL 12 R 1/2        | 21,10  | Z STA AKL 12 R 1/2            | 15,07  |
| 15           | L               | 3/8" BSPT       | Z AKL 15 R 3/8        | 27,52  | Z STA AKL 15 R 3/8            | 19,48  |
| 15           | L               | 1/2" BSPT       | Z AKL 15 R 1/2        | 25,62  | Z STA AKL 15 R 1/2            | 17,58  |
| 18           | L               | 1/2" BSPT       | Z AKL 18 R 1/2        | 29,80  | Z STA AKL 18 R 1/2            | 19,62  |
| 22           | L               | 3/4" BSPT       | Z AKL 22 R 3/4        | 38,18  | Z STA AKL 22 R 3/4            | 24,78  |
| 28           | L               | 1" BSPT         | Z AKL 28 R 1          | 63,48  | Z STA AKL 28 R 1              | 45,62  |
| 35           | L               | 1 1/4" BSPT     | Z AKL 35 R 1 1/4      | 84,42  | Z STA AKL 35 R 1 1/4          | 55,93  |
| 42           | L               | 1 1/4" BSPT     | Z AKL 42 R 1 1/4      | 123,23 | Z STA AKL 42 R 1 1/4          | 77,23  |
| 6            | S               | 1/4" BSPT       | Z AKS 6 R 1/4         | 18,12  | Z STA AKS 6 R 1/4             | 12,99  |
| 8            | S               | 1/4" BSPT       | Z AKS 8 R 1/4         | 17,47  | Z STA AKS 8 R 1/4             | 12,08  |
| 10           | S               | 3/8" BSPT       | Z AKS 10 R 3/8        | 30,93  | Z STA AKS 10 R 3/8            | 24,57  |
| 14           | S               | 1/2" BSPT       | Z AKS 14 R 1/2        | 56,17  | Z STA AKS 14 R 1/2            | 47,04  |
| 16           | S               | 1/2" BSPT       | Z AKS 16 R 1/2        | 34,56  | Z STA AKS 16 R 1/2            | 24,37  |
| 20           | S               | 3/4" BSPT       | Z AKS 20 R 3/4        | 49,10  | Z STA AKS 20 R 3/4            | 34,93  |
| 25           | S               | 1" BSPT         | Z AKS 25 R 1          | 85,78  | Z STA AKS 25 R 1              | 51,07  |
| 30           | S               | 1 1/4" BSPT     | Z AKS 30 R 1 1/4      | 206,18 | Z STA AKS 30 R 1 1/4          | 164,87 |

## Straight male stud coupling Metric

Racor recto rosca cónica Métrica

Gerade Einschraubversch. metr. kon.- EVGE-M  
(KEG)

Raccord union simple mâle Métrique conique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------|-----------------------|-------|
| 6            | LL              | M10X1           | Z AKLL 6 M10X1        | 21,42 |
| 6            | L               | M10X1           | Z AKL 6 M10X1         | 21,60 |
| 8            | L               | M12X1.5         | Z AKL 8 M12X1.5       | 27,84 |
| 10           | L               | M14X1.5         | Z AKL 10 M14X1.5      | 31,02 |
| 12           | L               | M16X1.5         | Z AKL 12 M16X1.5      | 33,92 |
| 15           | L               | M18X1.5         | Z AKL 15 M18X1.5      | 46,41 |
| 18           | L               | M22X1.5         | Z AKL 18 M22X1.5      | 60,68 |
| 22           | L               | M26X1.5         | Z AKL 22 M26X1.5      | 39,01 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Male stud elbow BSPT

Racor en codo rosca cónica BSPT

W-Einschraubverschr. BSPT  
kon. - WE-R (KEG)

Raccord union coude mâle gaz conique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | LL              | 1/8" BSPT       | Z CKLL 6 R 1/8        | 22,04  | ---                           | *      |
| 6            | L               | 1/8" BSPT       | Z CKL 6 R 1/8         | 19,30  | Z STA CKL 6 R 1/8             | 14,55  |
| 6            | L               | 1/4" BSPT       | Z CKL 6 R 1/4         | 18,81  | Z STA CKL 6 R 1/4             | 14,06  |
| 8            | L               | 1/8" BSPT       | Z CKL 8 R 1/8         | 22,50  | Z STA CKL 8 R 1/8             | 17,71  |
| 8            | L               | 1/4" BSPT       | Z CKL 8 R 1/4         | 21,54  | Z STA CKL 8 R 1/4             | 16,75  |
| 8            | L               | 3/8" BSPT       | Z CKL 8 R 3/8         | 28,18  | Z STA CKL 8 R 3/8             | 23,39  |
| 8            | L               | 1/2" BSPT       | Z CKL 8 R 1/2         | 37,05  | Z STA CKL 8 R 1/2             | 32,26  |
| 10           | L               | 1/8" BSPT       | Z CKL 10 R 1/8        | 33,15  | Z STA CKL 10 R 1/8            | 28,02  |
| 10           | L               | 1/4" BSPT       | Z CKL 10 R 1/4        | 22,91  | Z STA CKL 10 R 1/4            | 17,78  |
| 10           | L               | 3/8" BSPT       | Z CKL 10 R 3/8        | 27,23  | Z STA CKL 10 R 3/8            | 22,10  |
| 10           | L               | 1/2" BSPT       | Z CKL 10 R 1/2        | 27,01  | Z STA CKL 10 R 1/2            | 21,87  |
| 12           | L               | 1/4" BSPT       | Z CKL 12 R 1/4        | 26,94  | Z STA CKL 12 R 1/4            | 20,91  |
| 12           | L               | 3/8" BSPT       | Z CKL 12 R 3/8        | 27,75  | Z STA CKL 12 R 3/8            | 21,72  |
| 12           | L               | 1/2" BSPT       | Z CKL 12 R 1/2        | 33,06  | Z STA CKL 12 R 1/2            | 27,03  |
| 15           | L               | 3/8" BSPT       | Z CKL 15 R 3/8        | 46,08  | Z STA CKL 15 R 3/8            | 38,05  |
| 15           | L               | 1/2" BSPT       | Z CKL 15 R 1/2        | 38,16  | Z STA CKL 15 R 1/2            | 30,12  |
| 18           | L               | 1/2" BSPT       | Z CKL 18 R 1/2        | 48,25  | Z STA CKL 18 R 1/2            | 38,07  |
| 22           | L               | 3/4" BSPT       | Z CKL 22 R 3/4        | 82,13  | Z STA CKL 22 R 3/4            | 68,73  |
| 28           | L               | 1" BSPT         | Z CKL 28 R 1          | 163,20 | Z STA CKL 28 R 1              | 145,35 |
| 35           | L               | 1 1/4" BSPT     | Z CKL 35 R 1 1/4      | 283,78 | Z STA CKL 35 R 1 1/4          | 255,28 |
| 6            | S               | 1/4" BSPT       | Z CKS 6 R 1/4         | 26,65  | Z STA CKS 6 R 1/4             | 21,52  |
| 8            | S               | 1/4" BSPT       | Z CKS 8 R 1/4         | 29,21  | Z STA CKS 8 R 1/4             | 23,82  |
| 8            | S               | 3/8" BSPT       | Z CKS 8 R 3/8*        | 49,08  | ---                           | *      |
| 8            | S               | 1/2" BSPT       | Z CKS 8 R 1/2         | 35,10  | Z STA CKS 8 R 1/2             | 29,71  |
| 10           | S               | 1/4" BSPT       | Z CKS 10 R 1/4        | 37,62  | Z STA CKS 10 R 1/4            | 31,26  |
| 10           | S               | 3/8" BSPT       | Z CKS 10 R 3/8        | 32,58  | Z STA CKS 10 R 3/8            | 26,22  |
| 10           | S               | 1/2" BSPT       | Z CKS 10 R 1/2*       | 51,76  | ---                           | *      |
| 12           | S               | 3/8" BSPT       | Z CKS 12 R 3/8        | 38,43  | Z STA CKS 12 R 3/8            | 31,59  |
| 14           | S               | 1/2" BSPT       | Z CKS 14 R 1/2        | 47,43  | Z STA CKS 14 R 1/2            | 38,29  |
| 16           | S               | 1/2" BSPT       | Z CKS 16 R 1/2        | 56,51  | Z STA CKS 16 R 1/2            | 46,32  |
| 20           | S               | 3/4" BSPT       | Z CKS 20 R 3/4        | 87,81  | Z STA CKS 20 R 3/4            | 73,65  |
| 25           | S               | 1" BSPT         | Z CKS 25 R 1          | 161,33 | Z STA CKS 25 R 1              | 126,62 |
| 30           | S               | 1 1/4" BSPT     | Z CKS 30 R 1 1/4      | 314,36 | Z STA CKS 30 R 1 1/4          | 273,05 |
| 38           | S               | 1 1/2" BSPT     | Z CKS 38 R 1 1/2      | 421,08 | Z STA CKS 38 R 1 1/2          | 363,15 |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## 90° Adjustable male stud elbow BSP

Racor en codo orientable BSP

Einstellbare W-Verschr. BSP - SWVE-M-R

Coude orientable mâle BSP



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | 1/8" BSP        | Z WEE 6L R 1/8        | 24,56  | Z STA WEE 6L R 1/8            | 19,81  |
| 8            | L               | 1/4" BSP        | Z WEE 8L R 1/4        | 33,92  | Z STA WEE 8L R 1/4            | 29,13  |
| 10           | L               | 1/4" BSP        | Z WEE 10L R 1/4       | 36,50  | Z STA WEE 10L R 1/4           | 31,37  |
| 12           | L               | 3/8" BSP        | Z WEE 12L R 3/8       | 48,46  | Z STA WEE 12L R 3/8           | 42,43  |
| 15           | L               | 1/2" BSP        | Z WEE 15L R 1/2       | 90,45  | Z STA WEE 15L R 1/2           | 82,41  |
| 18           | L               | 1/2" BSP        | Z WEE 18L R 1/2       | 95,59  | Z STA WEE 18L R 1/2           | 85,42  |
| 22           | L               | 3/4" BSP        | Z WEE 22L R 3/4       | 150,22 | Z STA WEE 22L R 3/4           | 136,81 |
| 6            | S               | 1/4" BSP        | Z WEE 6S R 1/4        | 27,73  | Z STA WEE 6S R 1/4            | 22,61  |
| 8            | S               | 1/4" BSP        | Z WEE 8S R 1/4        | 38,95  | Z STA WEE 8S R 1/4            | 33,56  |
| 10           | S               | 3/8" BSP        | Z WEE 10S R 3/8       | 52,86  | Z STA WEE 10S R 3/8           | 46,50  |
| 12           | S               | 3/8" BSP        | Z WEE 12S R 3/8       | 64,34  | Z STA WEE 12S R 3/8           | 57,49  |
| 16           | S               | 1/2" BSP        | Z WEE 16S R 1/2       | 104,14 | Z STA WEE 16S R 1/2           | 93,95  |
| 20           | S               | 3/4" BSP        | Z WEE 20S R 3/4       | 127,68 | Z STA WEE 20S R 3/4           | 113,51 |
| 25           | S               | 1" BSP          | Z WEE 25S R 1         | 245,92 | Z STA WEE 25S R 1             | 211,21 |

## Male stud elbow NPT

Racor en codo rosca cónica NPT

W-Einschraubverschr. NPT - WE-NPT kon

Raccord union coude mâle NPT



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | 1/8" NPT        | Z CKL 6 1/8 NPT       | 20,87  | Z STA CKL 6 1/8 NPT           | 16,11  |
| 6            | L               | 1/4" NPT        | Z CKL 6 1/4 NPT       | 21,36  | Z STA CKL 6 1/4 NPT           | 16,60  |
| 8            | L               | 1/4" NPT        | Z CKL 8 1/4 NPT       | 23,53  | Z STA CKL 8 1/4 NPT           | 18,74  |
| 10           | L               | 1/4" NPT        | Z CKL 10 1/4 NPT      | 24,66  | Z STA CKL 10 1/4 NPT          | 19,53  |
| 12           | L               | 1/4" NPT        | Z CKL 12 1/4 NPT      | 32,34  | Z STA CKL 12 1/4 NPT          | 26,31  |
| 12           | L               | 3/8" NPT        | Z CKL 12 3/8 NPT      | 36,73  | Z STA CKL 12 3/8 NPT          | 30,69  |
| 12           | L               | 1/2" NPT        | Z CKL 12 1/2 NPT      | 36,15  | Z STA CKL 12 1/2 NPT          | 30,12  |
| 15           | L               | 1/2" NPT        | Z CKL 15 1/2 NPT      | 40,42  | Z STA CKL 15 1/2 NPT          | 32,39  |
| 18           | L               | 1/2" NPT        | Z CKL 18 1/2 NPT      | 91,38  | Z STA CKL 18 1/2 NPT          | 81,21  |
| 22           | L               | 3/4" NPT        | Z CKL 22 3/4 NPT      | 107,55 | Z STA CKL 22 3/4 NPT          | 94,14  |
| 28           | L               | 1" NPT          | Z CKL 28 1 NPT        | 114,58 | Z STA CKL 28 1 NPT            | 96,73  |
| 35           | L               | 1 1/4" NPT      | Z CKL 35 1 1/4 NPT    | 335,74 | Z STA CKL 35 1 1/4 NPT        | 307,24 |
| 42           | L               | 1 1/2" NPT      | Z CKL 42 1 1/2 NPT    | 433,92 | Z STA CKL 42 1 1/2 NPT        | 387,92 |
| 6            | S               | 1/4" NPT        | Z CKS 6 1/4 NPT       | 27,27  | Z STA CKS 6 1/4 NPT           | 22,14  |
| 8            | S               | 1/4" NPT        | Z CKS 8 1/4 NPT       | 29,43  | Z STA CKS 8 1/4 NPT           | 24,04  |
| 10           | S               | 3/8" NPT        | Z CKS 10 3/8 NPT      | 37,51  | Z STA CKS 10 3/8 NPT          | 31,14  |
| 12           | S               | 3/8" NPT        | Z CKS 12 3/8 NPT      | 46,52  | Z STA CKS 12 3/8 NPT          | 39,67  |
| 12           | S               | 1/2" NPT        | Z CKS 12 1/2 NPT      | 44,60  | Z STA CKS 12 1/2 NPT          | 37,76  |
| 14           | S               | 1/2" NPT        | Z CKS 14 1/2 NPT      | 107,30 | Z STA CKS 14 1/2 NPT          | 98,16  |
| 16           | S               | 1/2" NPT        | Z CKS 16 1/2 NPT      | 62,44  | Z STA CKS 16 1/2 NPT          | 52,25  |
| 20           | S               | 3/4" NPT        | Z CKS 20 3/4 NPT      | 112,01 | Z STA CKS 20 3/4 NPT          | 97,84  |
| 25           | S               | 1" NPT          | Z CKS 25 1 NPT        | 227,92 | Z STA CKS 25 1 NPT            | 193,21 |
| 30           | S               | 1 1/4" NPT      | Z CKS 30 1 1/4 NPT    | 460,76 | Z STA CKS 30 1 1/4 NPT        | 419,45 |
| 38           | S               | 1 1/2" NPT      | Z CKS 38 1 1/2 NPT    | 425,61 | Z STA CKS 38 1 1/2 NPT        | 367,68 |

## Male stud elbow metrical conical

Racor en codo rosca cónica Métrica

W-Einschraubverschr. metr. kon. - WE-M (KEG)

Raccord équerre mâle métrique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | M10X1           | Z CKL 6 M 10X1        | 34,81  |
| 8            | L               | M12X1.5         | Z CKL 8 M 12X1.5      | 44,86  |
| 10           | L               | M14X1.5         | Z CKL 10 M 14X1.5     | 48,34  |
| 12           | L               | M16X1.5         | Z CKL 12 M 16X1.5     | 56,11  |
| 15           | L               | M18X1.5         | Z CKL 15 M 18X1.5     | 78,34  |
| 18           | L               | M22X1.5         | Z CKL 18 M 22X1.5     | 90,13  |
| 6            | S               | M12X1.5         | Z CKS 6 M 12X1.5      | 36,25  |
| 8            | S               | M14X1.5         | Z CKS 8 M 14X1.5      | 65,05  |
| 10           | S               | M16X1.5         | Z CKS 10 M 16X1.5     | 67,27  |
| 12           | S               | M18X1.5         | Z CKS 12 M 18X1.5     | 68,85  |
| 14           | S               | M20X1.5         | Z CKS 14 M 20X1.5     | 70,49  |
| 16           | S               | M22X1.5         | Z CKS 16 M 22X1.5     | 102,57 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Male stud barrel TEE BSPT

Racor en L rosca cónica BSPT

L-Einschraubverschr. BSPT kon. (LR)

Raccord TÉ mâle gaz conique latéral



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | 1/8" BSPT       | Z LKL 6 R 1/8         | 62,47  |
| 8            | L               | 1/4" BSPT       | Z LKL 8 R 1/4         | 66,02  |
| 10           | L               | 1/4" BSPT       | Z LKL 10 R 1/4        | 70,85  |
| 12           | L               | 3/8" BSPT       | Z LKL 12 R 3/8        | 74,98  |
| 15           | L               | 1/2" BSPT       | Z LKL 15 R 1/2        | 105,30 |
| 18           | L               | 1/2" BSPT       | Z LKL 18 R 1/2        | 173,48 |
| 6            | S               | 1/4" BSPT       | Z LKS 6 R 1/4         | 67,95  |
| 8            | S               | 1/4" BSPT       | Z LKS 8 R 1/4         | 75,19  |
| 10           | S               | 3/8" BSPT       | Z LKS 10 R 3/8        | 88,54  |
| 12           | S               | 3/8" BSPT       | Z LKS 12 R 3/8        | 94,38  |
| 14           | S               | 1/2" BSPT       | Z LKS 14 R 1/2        | 116,02 |
| 16           | S               | 1/2" BSPT       | Z LKS 16 R 1/2        | 146,35 |

## Male stud barrel TEE Metric

Racor en L rosca cónica Métrica

L-Einschraubverschr. metr. kon. (LM)

Raccord Té mâle Métrique latéral



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | € |
|--------------|-----------------|-----------------|-----------------------|---|
| 6            | L               | M10X1           | Z LKL 6 M 10X1        | * |
| 8            | L               | M12X1.5         | Z LKL 8 M 12X1.5      | * |
| 10           | L               | M14X1.5         | Z LKL 10 M 14X1.5     | * |
| 12           | L               | M16X1.5         | Z LKL 12 M 16X1.5     | * |
| 15           | L               | M18X1.5         | Z LKL 15 M 18X1.5     | * |
| 18           | L               | M22X1.5         | Z LKL 18 M 22X1.5     | * |
| 6            | S               | M12X1.5         | Z LKS 6 M 12X1.5      | * |
| 8            | S               | M14X1.5         | Z LKS 8 M 14X1.5      | * |
| 10           | S               | M16X1.5         | Z LKS 10 M 16X1.5     | * |
| 12           | S               | M18X1.5         | Z LKS 12 M 18X1.5     | * |
| 14           | S               | M20X1.5         | Z LKS 14 M 20X1.5     | * |
| 16           | S               | M22X1.5         | Z LKS 16 M 22X1.5     | * |

## Male stud branch TEE BSPT

Racor en T rosca cónica BSPT

T-Einschraubverschr. BSPT kon. (TR)

Raccord TÉ mâle gaz conique au centre



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | 1/8" BSPT       | Z FKL 6 R 1/8         | 24,95  |
| 8            | L               | 1/8" BSPT       | Z FKL 8 R 1/8*        | 36,50  |
| 8            | L               | 1/4" BSPT       | Z FKL 8 R 1/4         | 37,93  |
| 10           | L               | 1/4" BSPT       | Z FKL 10 R 1/4        | 44,37  |
| 12           | L               | 3/8" BSPT       | Z FKL 12 R 3/8        | 51,92  |
| 15           | L               | 1/2" BSPT       | Z FKL 15 R 1/2        | 58,38  |
| 18           | L               | 1/2" BSPT       | Z FKL 18 R 1/2        | 135,66 |
| 6            | S               | 1/4" BSPT       | Z FKS 6 R 1/4         | 44,45  |
| 8            | S               | 1/4" BSPT       | Z FKS 8 R 1/4         | 78,53  |
| 10           | S               | 3/8" BSPT       | Z FKS 10 R 3/8        | 80,33  |
| 12           | S               | 3/8" BSPT       | Z FKS 12 R 3/8        | 51,59  |
| 14           | S               | 1/2" BSPT       | Z FKS 14 R 1/2        | 124,94 |

\*Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Male stud branch TEE Metrical

Racor en T rosca cónica Métrica

T-Einschraubverschr. metr. kon. (TM)

Raccord TÉ mâle Métrique au centre



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | € |
|--------------|-----------------|-----------------|-----------------------|---|
| 6            | L               | M10X1           | Z FKL 6 M 10X1        | * |
| 8            | L               | M12X1.5         | Z FKL 8 M 12X1.5      | * |
| 10           | L               | M14X1.5         | Z FKL 10 M 14X1.5     | * |
| 12           | L               | M16X1.5         | Z FKL 12 M 16X1.5     | * |
| 15           | L               | M18X1.5         | Z FKL 15 M 18X1.5     | * |
| 6            | S               | M12X1.5         | Z FKS 6 M 12X1.5      | * |
| 8            | S               | M14X1.5         | Z FKS 8 M 14X1.5      | * |
| 10           | S               | M16X1.5         | Z FKS 10 M 16X1.5     | * |
| 12           | S               | M18X1.5         | Z FKS 12 M 18X1.5     | * |
| 14           | S               | M20X1.5         | Z FKS 14 M 20X1.5     | * |
| 16           | S               | M22X1.5         | Z FKS 16 M 22X1.5     | * |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Standpipe reducer swivel female (light series)

Racor de reducción con TL Métrica (serie ligera)

Metr. Reduzierverschraubung  
(Leichte Baureihe)

Raccord union simple femelle tournante  
Métrique (série légère)



## Standpipe reducer swivel female (heavy series)

Racor de reducción con TL Métrica (serie pesada)

Metr. Reduzierverschraubung (Schwere  
Baureihe)

Raccord union simple femelle tournante  
Métrique (série lourde)



| TUBO<br>PIPE | PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia<br>Part n° | €      |
|--------------|------|-----------------|-----------------------|--------|-----------------------|--------|
| 8            | 6    | L               | Z KORL 8-6 TLM        | 27,49  | Z STA KORL 8-6 TLM    | 22,74  |
| 10           | 6    | L               | Z KORL 10-6 TLM       | 27,83  | Z STA KORL 10-6 TLM   | 23,08  |
| 10           | 8    | L               | Z KORL 10-8 TLM       | 24,96  | Z STA KORL 10-8 TLM   | 20,17  |
| 12           | 6    | L               | Z KORL 12-6 TLM       | 33,41  | Z STA KORL 12-6 TLM   | 28,66  |
| 12           | 8    | L               | Z KORL 12-8 TLM       | 24,86  | Z STA KORL 12-8 TLM   | 20,07  |
| 12           | 10   | L               | Z KORL 12-10 TLM      | 30,02  | Z STA KORL 12-10 TLM  | 24,89  |
| 15           | 6    | L               | Z KORL 15-6 TLM       | 39,79  | Z STA KORL 15-6 TLM   | 35,03  |
| 15           | 8    | L               | Z KORL 15-8 TLM       | 34,53  | Z STA KORL 15-8 TLM   | 29,74  |
| 15           | 10   | L               | Z KORL 15-10 TLM      | 37,76  | Z STA KORL 15-10 TLM  | 32,63  |
| 15           | 12   | L               | Z KORL 15-12 TLM      | 29,30  | Z STA KORL 15-12 TLM  | 23,26  |
| 18           | 8    | L               | Z KORL 18-8 TLM       | 44,61  | Z STA KORL 18-8 TLM   | 39,82  |
| 18           | 10   | L               | Z KORL 18-10 TLM      | 37,86  | Z STA KORL 18-10 TLM  | 32,73  |
| 18           | 12   | L               | Z KORL 18-12 TLM      | 40,03  | Z STA KORL 18-12 TLM  | 34,00  |
| 18           | 15   | L               | Z KORL 18-15 TLM      | 45,70  | Z STA KORL 18-15 TLM  | 37,67  |
| 22           | 10   | L               | Z KORL 22-10 TLM      | 41,75  | Z STA KORL 22-10 TLM  | 36,62  |
| 22           | 12   | L               | Z KORL 22-12 TLM      | 41,40  | Z STA KORL 22-12 TLM  | 35,37  |
| 22           | 15   | L               | Z KORL 22-15 TLM      | 47,22  | Z STA KORL 22-15 TLM  | 39,18  |
| 22           | 18   | L               | Z KORL 22-18 TLM      | 55,54  | Z STA KORL 22-18 TLM  | 45,36  |
| 28           | 10   | L               | Z KORL 28-10 TLM      | 73,68  | Z STA KORL 28-10 TLM  | 68,55  |
| 28           | 12   | L               | Z KORL 28-12 TLM      | 62,20  | Z STA KORL 28-12 TLM  | 56,17  |
| 28           | 15   | L               | Z KORL 28-15 TLM      | 94,00  | Z STA KORL 28-15 TLM  | 85,97  |
| 28           | 18   | L               | Z KORL 28-18 TLM      | 61,55  | Z STA KORL 28-18 TLM  | 51,38  |
| 28           | 22   | L               | Z KORL 28-22 TLM      | 68,51  | Z STA KORL 28-22 TLM  | 55,11  |
| 35           | 12   | L               | Z KORL 35-12 TLM      | 101,87 | Z STA KORL 35-12 TLM  | 95,84  |
| 35           | 22   | L               | Z KORL 35-22 TLM      | 112,13 | Z STA KORL 35-22 TLM  | 98,72  |
| 35           | 28   | L               | Z KORL 35-28 TLM      | 98,67  | Z STA KORL 35-28 TLM  | 80,82  |
| 42           | 22   | L               | Z KORL 42-22 TLM      | 190,10 | Z STA KORL 42-22 TLM  | 176,70 |
| 42           | 28   | L               | Z KORL 42-28 TLM      | 140,17 | Z STA KORL 42-28 TLM  | 122,32 |
| 42           | 35   | L               | Z KORL 42-35 TLM      | 143,91 | Z STA KORL 42-35 TLM  | 115,41 |

| TUBO<br>PIPE | PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia<br>Part n° | €      |
|--------------|------|-----------------|-----------------------|--------|-----------------------|--------|
| 8            | 6    | S               | Z KORS 8-6 TLM        | 43,84  | Z STA KORS 8-6 TLM    | 38,71  |
| 10           | 6    | S               | Z KORS 10-6 TLM       | 47,30  | Z STA KORS 10-6 TLM   | 42,17  |
| 10           | 8    | S               | Z KORS 10-8 TLM       | 47,08  | Z STA KORS 10-8 TLM   | 41,69  |
| 12           | 6    | S               | Z KORS 12-6 TLM       | 47,77  | Z STA KORS 12-6 TLM   | 42,65  |
| 12           | 8    | S               | Z KORS 12-8 TLM       | 43,73  | Z STA KORS 12-8 TLM   | 38,34  |
| 12           | 10   | S               | Z KORS 12-10 TLM      | 51,80  | Z STA KORS 12-10 TLM  | 45,44  |
| 14           | 10   | S               | Z KORS 14-10 TLM      | 57,11  | Z STA KORS 14-10 TLM  | 50,75  |
| 14           | 12   | S               | Z KORS 14-12 TLM      | 56,37  | Z STA KORS 14-12 TLM  | 49,52  |
| 16           | 6    | S               | Z KORS 16-6 TLM       | 67,40  | Z STA KORS 16-6 TLM   | 62,27  |
| 16           | 8    | S               | Z KORS 16-8 TLM       | 65,89  | Z STA KORS 16-8 TLM   | 60,50  |
| 16           | 10   | S               | Z KORS 16-10 TLM      | 63,31  | Z STA KORS 16-10 TLM  | 56,95  |
| 16           | 12   | S               | Z KORS 16-12 TLM      | 48,90  | Z STA KORS 16-12 TLM  | 42,06  |
| 20           | 8    | S               | Z KORS 20-8 TLM       | 83,04  | Z STA KORS 20-8 TLM   | 77,65  |
| 20           | 10   | S               | Z KORS 20-10 TLM      | 83,12  | Z STA KORS 20-10 TLM  | 76,76  |
| 20           | 12   | S               | Z KORS 20-12 TLM      | 61,43  | Z STA KORS 20-12 TLM  | 54,59  |
| 20           | 14   | S               | Z KORS 20-14 TLM      | 84,12  | Z STA KORS 20-14 TLM  | 74,98  |
| 20           | 16   | S               | Z KORS 20-16 TLM      | 71,72  | Z STA KORS 20-16 TLM  | 61,52  |
| 25           | 12   | S               | Z KORS 25-12 TLM      | 105,01 | Z STA KORS 25-12 TLM  | 98,16  |
| 25           | 16   | S               | Z KORS 25-16 TLM      | 111,74 | Z STA KORS 25-16 TLM  | 101,55 |
| 25           | 20   | S               | Z KORS 25-20 TLM      | 121,09 | Z STA KORS 25-20 TLM  | 106,92 |
| 30           | 16   | S               | Z KORS 30-16 TLM      | 154,58 | Z STA KORS 30-16 TLM  | 144,39 |
| 30           | 20   | S               | Z KORS 30-20 TLM      | 135,81 | Z STA KORS 30-20 TLM  | 121,65 |
| 30           | 25   | S               | Z KORS 30-25 TLM      | 177,86 | Z STA KORS 30-25 TLM  | 143,15 |
| 38           | 20   | S               | Z KORS 38-20 TLM      | 173,79 | Z STA KORS 38-20 TLM  | 159,62 |
| 38           | 25   | S               | Z KORS 38-25 TLM      | 196,50 | Z STA KORS 38-25 TLM  | 161,79 |
| 38           | 30   | S               | Z KORS 38-30 TLM      | 255,50 | Z STA KORS 38-30 TLM  | 214,19 |



## DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

Raccords à bague DIN 2353

### Male-female reducing adaptor BSP cylindrical with flat seal

Reducción con rosca M-HF BSP con junta plana

Reduzierstück m - w fest BSP zyl. mit  
Flachdichtung

Raccord réduction mâle gaz-fem gaz avec joint plat



| ROSCA (H)<br>THREAD (F) | ROSCA (M)<br>THREAD (M) | Referencia<br>Part n°   | €      |
|-------------------------|-------------------------|-------------------------|--------|
| 1/4" BSP                | 1/8" BSP                | Z RI-R 1/8 R 1/4 WD     | 13,74  |
| 1/8" BSP                | 1/4" BSP                | Z RI-R 1/4 R 1/8 WD     | 13,24  |
| 3/8" BSP                | 1/4" BSP                | Z RI-R 1/4 R 3/8 WD     | 17,46  |
| 1/2" BSP                | 1/4" BSP                | Z RI-R 1/4 R 1/2 WD     | 25,67  |
| 1/8" BSP                | 3/8" BSP                | Z RI-R 3/8 R 1/8 WD     | 20,33  |
| 1/4" BSP                | 3/8" BSP                | Z RI-R 3/8 R 1/4 WD     | 18,97  |
| 1/2" BSP                | 3/8" BSP                | Z RI-R 3/8 R 1/2 WD     | 25,15  |
| 3/4" BSP                | 3/8" BSP                | Z RI-R 3/8 R 3/4 WD     | 40,20  |
| 1/8" BSP                | 1/2" BSP                | Z RI-R 1/2 R 1/8 WD     | 26,24  |
| 1/4" BSP                | 1/2" BSP                | Z RI-R 1/2 R 1/4 WD     | 12,74  |
| 3/8" BSP                | 1/2" BSP                | Z RI-R 1/2 R 3/8 WD     | 17,46  |
| 3/4" BSP                | 1/2" BSP                | Z RI-R 1/2 R 3/4 WD     | 22,81  |
| 1/4" BSP                | 3/4" BSP                | Z RI-R 3/4 R 1/4 WD     | 20,19  |
| 3/8" BSP                | 3/4" BSP                | Z RI-R 3/4 R 3/8 WD     | 25,83  |
| 1/2" BSP                | 3/4" BSP                | Z RI-R 3/4 R 1/2 WD     | 26,45  |
| 1" BSP                  | 3/4" BSP                | Z RI-R 3/4 R 1 WD       | 43,21  |
| 1/4" BSP                | 1" BSP                  | Z RI-R 1 R 1/4 WD       | 39,98  |
| 3/8" BSP                | 1" BSP                  | Z RI-R 1 R 3/8 WD       | 29,30  |
| 1/2" BSP                | 1" BSP                  | Z RI-R 1 R 1/2 WD       | 28,27  |
| 3/4" BSP                | 1" BSP                  | Z RI-R 1 R 3/4 WD       | 44,37  |
| 1"1/4 BSP               | 1" BSP                  | Z RI-R 1 R 1 1/4 WD     | 173,13 |
| 1/2" BSP                | 1"1/4 BSP               | Z RI-R 1 1/4 R 1/2 WD   | 47,65  |
| 3/4" BSP                | 1"1/4 BSP               | Z RI-R 1 1/4 R 3/4 WD   | 48,25  |
| 1" BSP                  | 1"1/4 BSP               | Z RI-R 1 1/4 R 1 WD     | 71,18  |
| 1"1/2 BSP               | 1"1/4 BSP               | Z RI-R 1 1/4 R 1 1/2 WD | 196,34 |
| 1/2" BSP                | 1"1/2 BSP               | Z RI-R 1 1/2 R 1/2 WD   | 65,80  |
| 3/4" BSP                | 1"1/2 BSP               | Z RI-R 1 1/2 R 3/4 WD   | 66,09  |
| 1" BSP                  | 1"1/2 BSP               | Z RI-R 1 1/2 R 1 WD     | 63,62  |
| 1"1/4 BSP               | 1"1/2 BSP               | Z RI-R 1 1/2 R 1 1/4 WD | 89,47  |
| 2" BSP                  | 1"1/2 BSP               | Z RI-R 1 1/2 R 2 WD     | 170,44 |
| 1"1/2 BSP               | 2" BSP                  | Z RI-R 2 R 1 1/2 WD     | 150,20 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Adjustable stud elbow with nut and ring

Racor en codo regulable con tuerca y anillo

Einstellbarere metr. W-Verschraubung

Raccord coude orientable tube lisse équipé



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z EEL 6 CTA           | 27,41  | Z STA EEL 6 CTA               | 25,17  |
| 15           | L               | Z EEL 15 CTA          | 50,35  | Z STA EEL 15 CTA              | 44,39  |
| 35           | L               | Z EEL 35 CTA          | 182,43 | Z STA EEL 35 CTA              | 163,19 |
| 6            | S               | Z EES 6 CTA           | 25,91  | Z STA EES 6 CTA               | 21,56  |
| 16           | S               | Z EES 16 CTA          | 59,58  | Z STA EES 16 CTA              | 54,49  |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Adjustable stud elbow with o'ring

Racor en codo regulable TL Métrica

Einstellbarere metr. W-Verschraubung  
mit O-Ring

Raccord coude orientable Métrique avec o'ring



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z EEL 6 TLM           | 26,68  | Z STA EEL 6 TLM               | 21,92  |
| 8            | L               | Z EEL 8 TLM           | 28,49  | Z STA EEL 8 TLM               | 23,70  |
| 10           | L               | Z EEL 10 TLM          | 29,42  | Z STA EEL 10 TLM              | 24,29  |
| 12           | L               | Z EEL 12 TLM          | 37,07  | Z STA EEL 12 TLM              | 31,03  |
| 15           | L               | Z EEL 15 TLM          | 49,54  | Z STA EEL 15 TLM              | 41,51  |
| 18           | L               | Z EEL 18 TLM          | 68,72  | Z STA EEL 18 TLM              | 58,54  |
| 22           | L               | Z EEL 22 TLM          | 88,43  | Z STA EEL 22 TLM              | 75,03  |
| 28           | L               | Z EEL 28 TLM          | 132,19 | Z STA EEL 28 TLM              | 114,34 |
| 35           | L               | Z EEL 35 TLM          | 180,98 | Z STA EEL 35 TLM              | 152,49 |
| 42           | L               | Z EEL 42 TLM          | 388,92 | Z STA EEL 42 TLM              | 342,92 |
| 6            | S               | Z EES 6 TLM           | 38,91  | Z STA EES 6 TLM               | 33,78  |
| 8            | S               | Z EES 8 TLM           | 39,73  | Z STA EES 8 TLM               | 34,34  |
| 10           | S               | Z EES 10 TLM          | 41,13  | Z STA EES 10 TLM              | 34,77  |
| 12           | S               | Z EES 12 TLM          | 53,13  | Z STA EES 12 TLM              | 46,29  |
| 14           | S               | Z EES 14 TLM          | 67,36  | Z STA EES 14 TLM              | 58,22  |
| 16           | S               | Z EES 16 TLM          | 66,81  | Z STA EES 16 TLM              | 56,62  |
| 20           | S               | Z EES 20 TLM          | 97,08  | Z STA EES 20 TLM              | 82,92  |
| 25           | S               | Z EES 25 TLM          | 164,24 | Z STA EES 25 TLM              | 129,53 |
| 30           | S               | Z EES 30 TLM          | 216,83 | Z STA EES 30 TLM              | 175,52 |
| 38           | S               | Z EES 38 TLM          | 352,54 | Z STA EES 38 TLM              | 294,61 |

## Adjustable stud branch TEE with o'ring

Racor en T regulable TL Métrica

Einstellbare T-Verschraubung T-Form

Raccord TÉ orientable Métrique avec o'ring



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z TEL 6 TLM           | 35,07  | Z STA TEL 6 TLM               | 25,69  |
| 8            | L               | Z TEL 8 TLM           | 37,74  | Z STA TEL 8 TLM               | 28,29  |
| 10           | L               | Z TEL 10 TLM          | 40,98  | Z STA TEL 10 TLM              | 30,84  |
| 12           | L               | Z TEL 12 TLM          | 48,01  | Z STA TEL 12 TLM              | 36,07  |
| 15           | L               | Z TEL 15 TLM          | 72,09  | Z STA TEL 15 TLM              | 56,15  |
| 18           | L               | Z TEL 18 TLM          | 123,85 | Z STA TEL 18 TLM              | 103,63 |
| 22           | L               | Z TEL 22 TLM          | 140,47 | Z STA TEL 22 TLM              | 113,79 |
| 28           | L               | Z TEL 28 TLM          | 199,05 | Z STA TEL 28 TLM              | 163,47 |
| 35           | L               | Z TEL 35 TLM          | 345,02 | Z STA TEL 35 TLM              | 288,15 |
| 42           | L               | Z TEL 42 TLM          | 449,28 | Z STA TEL 42 TLM              | 357,40 |
| 6            | S               | Z TES 6 TLM           | 54,62  | Z STA TES 6 TLM               | 44,49  |
| 8            | S               | Z TES 8 TLM           | 49,38  | Z STA TES 8 TLM               | 38,73  |
| 10           | S               | Z TES 10 TLM          | 57,48  | Z STA TES 10 TLM              | 44,89  |
| 12           | S               | Z TES 12 TLM          | 61,56  | Z STA TES 12 TLM              | 48,00  |
| 14           | S               | Z TES 14 TLM          | 98,41  | Z STA TES 14 TLM              | 80,26  |
| 16           | S               | Z TES 16 TLM          | 110,31 | Z STA TES 16 TLM              | 90,05  |
| 20           | S               | Z TES 20 TLM          | 142,11 | Z STA TES 20 TLM              | 113,91 |
| 25           | S               | Z TES 25 TLM          | 229,72 | Z STA TES 25 TLM              | 160,43 |
| 30           | S               | Z TES 30 TLM          | 316,59 | Z STA TES 30 TLM              | 234,10 |
| 38           | S               | Z TES 38 TLM          | 475,69 | Z STA TES 38 TLM              | 359,95 |

## Adjustable stud barrel TEE with o'ring

Racor en T regulable TL Métrica

Einstellbare T-Verschraubung L-Form

Raccord TÉ orientable renversé Métrique  
avec o'ring



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | M12X1.5         | Z LEL 6 TLM           | 33,89  | Z STA LEL 6 TLM               | 24,50  |
| 8            | L               | M14X1.5         | Z LEL 8 TLM           | 52,94  | Z STA LEL 8 TLM               | 43,48  |
| 10           | L               | M16X1.5         | Z LEL 10 TLM          | 46,26  | Z STA LEL 10 TLM              | 36,13  |
| 12           | L               | M18X1.5         | Z LEL 12 TLM          | 57,16  | Z STA LEL 12 TLM              | 45,22  |
| 15           | L               | M22X1.5         | Z LEL 15 TLM          | 79,09  | Z STA LEL 15 TLM              | 63,15  |
| 18           | L               | M26X1.5         | Z LEL 18 TLM          | 101,94 | Z STA LEL 18 TLM              | 81,72  |
| 22           | L               | M30X2           | Z LEL 22 TLM          | 147,09 | Z STA LEL 22 TLM              | 120,40 |
| 28           | L               | M36X2           | Z LEL 28 TLM          | 200,39 | Z STA LEL 28 TLM              | 164,82 |
| 35           | L               | M45X2           | Z LEL 35 TLM          | 358,69 | Z STA LEL 35 TLM              | 301,82 |
| 42           | L               | M52X2           | Z LEL 42 TLM          | 477,32 | Z STA LEL 42 TLM              | 385,45 |
| 6            | S               | M14X1.5         | Z LES 6 TLM           | 43,84  | Z STA LES 6 TLM               | 33,71  |
| 8            | S               | M16X1.5         | Z LES 8 TLM           | 55,85  | Z STA LES 8 TLM               | 45,19  |
| 10           | S               | M18X1.5         | Z LES 10 TLM          | 73,31  | Z STA LES 10 TLM              | 60,72  |
| 12           | S               | M20X1.5         | Z LES 12 TLM          | 65,54  | Z STA LES 12 TLM              | 51,98  |
| 14           | S               | M22X1.5         | Z LES 14 TLM          | 104,96 | Z STA LES 14 TLM              | 86,81  |
| 16           | S               | M24X1.5         | Z LES 16 TLM          | 111,82 | Z STA LES 16 TLM              | 91,56  |
| 20           | S               | M30X2           | Z LES 20 TLM          | 146,91 | Z STA LES 20 TLM              | 118,71 |
| 25           | S               | M36X2           | Z LES 25 TLM          | 245,74 | Z STA LES 25 TLM              | 176,44 |
| 30           | S               | M42X2           | Z LES 30 TLM          | 339,07 | Z STA LES 30 TLM              | 256,58 |
| 38           | S               | M52X2           | Z LES 38 TLM          | 497,06 | Z STA LES 38 TLM              | 381,33 |

# DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

Raccords à bague DIN 2353

## Straight connection with o'ring

Racor unión TL Métrica

Gerader Zwischenstutzen mit O-Ring

Raccord union tournante Métrique égale



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 6            | L               | Z ATL 6               | 24,64  |
| 8            | L               | Z ATL 8               | 33,13  |
| 10           | L               | Z ATL 10              | 33,67  |
| 12           | L               | Z ATL 12              | 39,67  |
| 15           | L               | Z ATL 15              | 44,64  |
| 18           | L               | Z ATL 18              | 50,22  |
| 22           | L               | Z ATL 22              | 74,80  |
| 28           | L               | Z ATL 28              | 112,13 |
| 35           | L               | Z ATL 35              | 211,34 |
| 42           | L               | Z ATL 42              | 282,37 |
| 6            | S               | Z ATS 6               | 33,96  |
| 8            | S               | Z ATS 8               | 39,44  |
| 10           | S               | Z ATS 10              | 40,67  |
| 12           | S               | Z ATS 12              | 53,39  |
| 14           | S               | Z ATS 14              | 72,08  |
| 16           | S               | Z ATS 16              | 72,48  |
| 20           | S               | Z ATS 20              | 99,87  |
| 25           | S               | Z ATS 25              | 130,33 |
| 30           | S               | Z ATS 30              | 222,92 |
| 38           | S               | Z ATS 38              | 299,68 |

## Straight stud standpipe adaptor with captive seal BSP cylindrical-metric swivel fem.

Racor recto macho BSP con junta plana - TLM

Gerader Einschraubstutzen BSP ZYL. M/Dichtkegel und O-Ring

Raccord adapt.tube lisse-mâle gaz BSP avec joint plat-fem.tourn.métrique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | 1/8"BSP         | Z RAL 6 R 1/8TLMWD    | 40,15  |
| 8            | L               | 1/4"BSP         | Z RAL 8 R 1/4TLMWD    | 17,01  |
| 10           | L               | 1/4"BSP         | Z RAL 10 R 1/4TLMWD   | 19,19  |
| 12           | L               | 1/4"BSP         | Z RAL 12 R 1/4TLMWD   | 20,15  |
| 12           | L               | 3/8"BSP         | Z RAL 12 R 3/8TLMWD   | 19,49  |
| 12           | L               | 1/2"BSP         | Z RAL 12 R 1/2TLMWD   | 26,50  |
| 15           | L               | 1/2"BSP         | Z RAL 15 R 1/2TLMWD   | 31,25  |
| 18           | L               | 1/2"BSP         | Z RAL 18 R 1/2TLMWD   | 32,07  |
| 22           | L               | 3/4"BSP         | Z RAL 22 R 3/4TLMWD   | 45,19  |
| 28           | L               | 1"BSP           | Z RAL 28 R 1TLMWD     | 63,03  |
| 35           | L               | 1 1/4 BSP       | Z RAL 35 R 1 1/4TLMWD | 114,42 |
| 42           | L               | 1 1/2 BSP       | Z RAL 42 R 1 1/2TLMWD | 111,05 |
| 6            | S               | 1/4"BSP         | Z RAS 6 R 1/4TLMWD    | 33,66  |
| 8            | S               | 1/4"BSP         | Z RAS 8 R 1/4TLMWD    | 17,59  |
| 10           | S               | 3/8"BSP         | Z RAS 10 R 3/8TLMWD   | 25,55  |
| 12           | S               | 3/8"BSP         | Z RAS 12 R 3/8TLMWD   | 25,27  |
| 12           | S               | 1/2"BSP         | Z RAS 12 R 1/2TLMWD   | 34,72  |
| 14           | S               | 1/2"BSP         | Z RAS 14 R 1/2TLMWD   | 30,08  |
| 16           | S               | 1/2"BSP         | Z RAS 16 R 1/2TLMWD   | 39,79  |
| 20           | S               | 3/4"BSP         | Z RAS 20 R 3/4TLMWD   | 50,82  |
| 25           | S               | 1"BSP           | Z RAS 25 R 1TLMWD     | 108,59 |
| 30           | S               | 1 1/4 BSP       | Z RAS 30 R 1 1/4TLMWD | 144,66 |
| 38           | S               | 1 1/2 BSP       | Z RAS 38 R 1 1/2TLMWD | 115,61 |

## Straight stud standpipe adaptor NPT- metric swivel fem.

Racor recto macho NPT - TL Metrica

Gerader Einschraubstutzen NPT M/Dichtkegel

Raccord adapteur tube lisse - mâle NPT- fem. tourn. métrique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n°   | €      |
|--------------|-----------------|-----------------|-------------------------|--------|
| 6            | L               | 1/8"NPT         | Z RAL 6 R 1/8 NPTTLM    | 29,50  |
| 8            | L               | 1/4"NPT         | Z RAL 8 R 1/4 NPTTLM    | 39,50  |
| 10           | L               | 1/4"NPT         | Z RAL 10 R 1/4 NPTTLM   | 40,70  |
| 12           | L               | 3/8" NPT        | Z RAL 12 R 3/8 NPTTLM   | 56,95  |
| 15           | L               | 1/2" NPT        | Z RAL 15 R 1/2 NPTTLM   | 60,33  |
| 18           | L               | 1/2"NPT         | Z RAL 18 R 1/2 NPTTLM   | 85,85  |
| 22           | L               | 3/4"NPT         | Z RAL 22 R 3/4 NPTTLM   | 70,96  |
| 28           | L               | 1"NPT           | Z RAL 28 R 1 NPTTLM     | 95,54  |
| 35           | L               | 1 1/4 NPT       | Z RAL 35 R 1 1/4 NPTTLM | 124,80 |
| 42           | L               | 1 1/2 NPT       | Z RAL 42 R 1 1/2 NPTTLM | 190,05 |
| 6            | S               | 1/4"NPT         | Z RAS 6 R 1/4 NPTTLM    | 43,72  |
| 8            | S               | 1/4"NPT         | Z RAS 8 R 1/4 NPTTLM    | 29,30  |
| 10           | S               | 3/8"NPT         | Z RAS 10 R 3/8 NPTTLM   | 43,72  |
| 12           | S               | 1/4" NPT        | Z RAS 12 R 1/4 NPTTLM   | 35,30  |
| 14           | S               | 1/2"NPT         | Z RAS 14 R 1/2 NPTTLM   | 65,55  |
| 16           | S               | 1/2"NPT         | Z RAS 16 R 1/2 NPTTLM   | 86,02  |
| 20           | S               | 3/4"NPT         | Z RAS 20 R 3/4 NPTTLM   | 121,54 |
| 25           | S               | 3/4"NPT         | Z RAS 25 R 3/4 NPTTLM   | 112,74 |
| 25           | S               | 1"NPT           | Z RAS 25 R 1 NPTTLM     | 99,02  |
| 30           | S               | 1"NPT           | Z RAS 30 R 1 NPTTLM     | 123,04 |
| 30           | S               | 1 1/4 NPT       | Z RAS 30 R 1 1/4 NPTTLM | 154,62 |
| 38           | S               | 1 1/2 NPT       | Z RAS 38 R 1 1/2 NPTTLM | 312,87 |

## Straight stud standpipe adaptor Metric with captive seal-metric swivel fem.

Racor recto macho Métrico con junta plana - tubo TLM

Gerader Einschraubstutzen metr. ZYL. M/ Dichtkegel und O-Ring

Raccord adapt.tube lisse-mâle Métrique avec joint plat-fem.tourn.métrique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | M10X1           | Z RAL 6M10X1TLMWD     | 43,40  |
| 8            | L               | M12X1.5         | Z RAL 8M12X1.5TLMWD   | 38,38  |
| 10           | L               | M14X1.5         | Z RAL 10M14X1.5TLMWD  | 48,73  |
| 12           | L               | M16X1.5         | Z RAL 12M16X1.5TLMWD  | 46,97  |
| 15           | L               | M18X1.5         | Z RAL 15M18X1.5TLMWD  | 58,90  |
| 18           | L               | M22X1.5         | Z RAL 18M22X1.5TLMWD  | 75,66  |
| 22           | L               | M26X1.5         | Z RAL 22M26X1.5TLMWD  | 87,29  |
| 28           | L               | M33X2           | Z RAL 28M33X2TLMWD    | 139,05 |
| 35           | L               | M42X2           | Z RAL 35M42X2TLMWD    | 214,44 |
| 42           | L               | M48X2           | Z RAL 42M48X2TLMWD    | 242,74 |
| 6            | S               | M12X1.5         | Z RAS 6M12X1.5TLMWD   | 43,72  |
| 8            | S               | M14X1.5         | Z RAS 8M14X1.5TLMWD   | 43,21  |
| 10           | S               | M16X1.5         | Z RAS 10M16X1.5TLMWD  | 45,51  |
| 12           | S               | M18X1.5         | Z RAS 12M18X1.5TLMWD  | 49,87  |
| 14           | S               | M20X1.5         | Z RAS 14M20X1.5TLMWD  | 68,27  |
| 16           | S               | M22X1.5         | Z RAS 16M22X1.5TLMWD  | 74,78  |
| 20           | S               | M27X2           | Z RAS 20M27X2TLMWD    | 101,55 |
| 25           | S               | M33X2           | Z RAS 25M33X2TLMWD    | 150,16 |
| 30           | S               | M42X2           | Z RAS 30M42X2TLMWD    | 206,88 |
| 38           | S               | M48X2           | Z RAS 38M48X2TLMWD    | 267,94 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Weldable straight coupling

Racor recto para soldar

Gerade Anschweiß-Versch. (GAV)

Raccord mamelon hexagonal Métrique  
à souder



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z ASL 6               | 13,24  | Z STA ASL 6                   | 8,49   |
| 8            | L               | Z ASL 8               | 13,30  | Z STA ASL 8                   | 8,51   |
| 10           | L               | Z ASL 10              | 15,99  | Z STA ASL 10                  | 10,85  |
| 12           | L               | Z ASL 12              | 17,48  | Z STA ASL 12                  | 11,45  |
| 15           | L               | Z ASL 15              | 23,82  | Z STA ASL 15                  | 15,79  |
| 18           | L               | Z ASL 18              | 28,34  | Z STA ASL 18                  | 18,16  |
| 22           | L               | Z ASL 22              | 37,39  | Z STA ASL 22                  | 23,98  |
| 28           | L               | Z ASL 28              | 52,52  | Z STA ASL 28                  | 34,66  |
| 35           | L               | Z ASL 35              | 83,09  | Z STA ASL 35                  | 54,59  |
| 42           | L               | Z ASL 42              | 121,15 | Z STA ASL 42                  | 75,15  |
| 6            | S               | Z ASS 6               | 22,59  | Z STA ASS 6                   | 17,47  |
| 8            | S               | Z ASS 8               | 25,75  | Z STA ASS 8                   | 20,36  |
| 10           | S               | Z ASS 10              | 30,14  | Z STA ASS 10                  | 23,78  |
| 12           | S               | Z ASS 12              | 31,12  | Z STA ASS 12                  | 24,28  |
| 14           | S               | Z ASS 14              | 45,99  | Z STA ASS 14                  | 36,85  |
| 16           | S               | Z ASS 16              | 34,52  | Z STA ASS 16                  | 24,33  |
| 20           | S               | Z ASS 20              | 42,32  | Z STA ASS 20                  | 28,16  |
| 25           | S               | Z ASS 25              | 70,08  | Z STA ASS 25                  | 35,37  |
| 30           | S               | Z ASS 30              | 96,50  | Z STA ASS 30                  | 55,20  |
| 38           | S               | Z ASS 38              | 198,94 | Z STA ASS 38                  | 141,01 |

## Welding nipple with o-ring

Boquilla para soldar

Schweißkegel (SK)

Raccord collet cône métrique à souder



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 15x2.5       | L               | Z ORIL 15             | 9,46  |
| 18x2.5       | L               | Z ORIL 18             | 10,63 |
| 22x2.5       | L               | Z ORIL 22             | 12,24 |
| 28x3         | L               | Z ORIL 28             | 19,55 |
| 35x4         | L               | Z ORIL 35             | 32,82 |
| 42x3         | L               | Z ORIL 42             | 40,26 |
| 6x2          | L/S             | Z ORIS 6              | 7,68  |
| 8x2          | L/S             | Z ORIS 8              | 8,78  |
| 10x2         | L/S             | Z ORIS 10             | 8,10  |
| 12x2         | L/S             | Z ORIS 12             | 8,22  |
| 14x3         | S               | Z ORIS 14             | 13,70 |
| 16x3         | S               | Z ORIS 16             | 12,48 |
| 20x3         | S               | Z ORIS 20             | 15,17 |
| 25x3.5       | S               | Z ORIS 25             | 22,42 |
| 30x5         | S               | Z ORIS 30             | 31,05 |
| 38x5         | S               | Z ORIS 38             | 42,65 |

## Weldable bulkhead coupling

Racor pasatabique para soldar

Schweiß-Schottverschraubung (ESV)

Raccord union double passe cloison  
Métrique à souder



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z ESVL 6              | 25,00  | Z STA ESVL 6                  | 15,62  |
| 8            | L               | Z ESVL 8              | 28,78  | Z STA ESVL 8                  | 19,33  |
| 10           | L               | Z ESVL 10             | 29,62  | Z STA ESVL 10                 | 19,48  |
| 12           | L               | Z ESVL 12             | 35,22  | Z STA ESVL 12                 | 23,28  |
| 15           | L               | Z ESVL 15             | 47,46  | Z STA ESVL 15                 | 31,52  |
| 18           | L               | Z ESVL 18             | 61,05  | Z STA ESVL 18                 | 40,83  |
| 22           | L               | Z ESVL 22             | 78,00  | Z STA ESVL 22                 | 51,31  |
| 28           | L               | Z ESVL 28             | 87,03  | Z STA ESVL 28                 | 51,45  |
| 35           | L               | Z ESVL 35             | 125,92 | Z STA ESVL 35                 | 69,05  |
| 42           | L               | Z ESVL 42             | 199,09 | Z STA ESVL 42                 | 107,21 |
| 6            | S               | Z ESVS 6              | 40,46  | Z STA ESVS 6                  | 30,33  |
| 8            | S               | Z ESVS 8              | 43,69  | Z STA ESVS 8                  | 33,03  |
| 10           | S               | Z ESVS 10             | 49,45  | Z STA ESVS 10                 | 36,86  |
| 12           | S               | Z ESVS 12             | 49,30  | Z STA ESVS 12                 | 35,74  |
| 14           | S               | Z ESVS 14             | 82,41  | Z STA ESVS 14                 | 64,26  |
| 16           | S               | Z ESVS 16             | 65,69  | Z STA ESVS 16                 | 45,43  |
| 20           | S               | Z ESVS 20             | 95,43  | Z STA ESVS 20                 | 67,23  |
| 25           | S               | Z ESVS 25             | 140,80 | Z STA ESVS 25                 | 71,51  |
| 30           | S               | Z ESVS 30             | 158,64 | Z STA ESVS 30                 | 76,15  |
| 38           | S               | Z ESVS 38             | 320,99 | Z STA ESVS 38                 | 205,25 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Straight bulkhead coupling

Racor recto pasatabique con tuerca

Gerade Schottverschraubung - GSV

Raccord droit union double passe cloison avec écrou



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z SVL 6               | 22,79  | Z STA SVL 6                   | 13,41  |
| 8            | L               | Z SVL 8               | 26,10  | Z STA SVL 8                   | 16,64  |
| 10           | L               | Z SVL 10              | 34,04  | Z STA SVL 10                  | 23,91  |
| 12           | L               | Z SVL 12              | 38,01  | Z STA SVL 12                  | 26,08  |
| 15           | L               | Z SVL 15              | 51,34  | Z STA SVL 15                  | 35,40  |
| 18           | L               | Z SVL 18              | 69,77  | Z STA SVL 18                  | 49,55  |
| 22           | L               | Z SVL 22              | 93,07  | Z STA SVL 22                  | 66,39  |
| 28           | L               | Z SVL 28              | 111,11 | Z STA SVL 28                  | 75,53  |
| 35           | L               | Z SVL 35              | 183,71 | Z STA SVL 35                  | 126,84 |
| 42           | L               | Z SVL 42              | 247,41 | Z STA SVL 42                  | 155,53 |
| 6            | S               | Z SVS 6               | 34,68  | Z STA SVS 6                   | 24,55  |
| 8            | S               | Z SVS 8               | 36,15  | Z STA SVS 8                   | 25,50  |
| 10           | S               | Z SVS 10              | 43,60  | Z STA SVS 10                  | 31,00  |
| 12           | S               | Z SVS 12              | 52,68  | Z STA SVS 12                  | 39,12  |
| 14           | S               | Z SVS 14              | 66,07  | Z STA SVS 14                  | 47,92  |
| 16           | S               | Z SVS 16              | 66,12  | Z STA SVS 16                  | 45,86  |
| 20           | S               | Z SVS 20              | 109,73 | Z STA SVS 20                  | 81,53  |
| 25           | S               | Z SVS 25              | 178,95 | Z STA SVS 25                  | 109,66 |
| 30           | S               | Z SVS 30              | 203,01 | Z STA SVS 30                  | 120,52 |
| 38           | S               | Z SVS 38              | 345,94 | Z STA SVS 38                  | 230,21 |

## Elbow bulkhead coupling

Racor en codo pasatabique con tuerca

W-Schottverschr. - WSV

Raccord coude égal passe cloison



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | Z USVL 6              | 49,68  | Z STA USVL 6                  | 40,30  |
| 8            | L               | Z USVL 8              | 47,44  | Z STA USVL 8                  | 37,99  |
| 10           | L               | Z USVL 10             | 44,83  | Z STA USVL 10                 | 34,69  |
| 12           | L               | Z USVL 12             | 48,58  | Z STA USVL 12                 | 36,64  |
| 15           | L               | Z USVL 15             | 81,80  | Z STA USVL 15                 | 65,87  |
| 18           | L               | Z USVL 18             | 86,15  | Z STA USVL 18                 | 65,93  |
| 22           | L               | Z USVL 22             | 132,00 | Z STA USVL 22                 | 105,32 |
| 28           | L               | Z USVL 28             | 361,07 | Z STA USVL 28                 | 325,49 |
| 35           | L               | Z USVL 35             | 628,02 | Z STA USVL 35                 | 571,15 |
| 42           | L               | Z USVL 42             | 841,52 | Z STA USVL 42                 | 749,64 |
| 6            | S               | Z USVS 6              | 82,68  | Z STA USVS 6                  | 72,55  |
| 8            | S               | Z USVS 8              | 64,72  | Z STA USVS 8                  | 54,06  |
| 10           | S               | Z USVS 10             | 58,17  | Z STA USVS 10                 | 45,58  |
| 12           | S               | Z USVS 12             | 64,58  | Z STA USVS 12                 | 51,02  |
| 14           | S               | Z USVS 14             | 99,62  | Z STA USVS 14                 | 81,46  |
| 16           | S               | Z USVS 16             | 91,04  | Z STA USVS 16                 | 70,78  |
| 20           | S               | Z USVS 20             | 216,51 | Z STA USVS 20                 | 188,31 |
| 25           | S               | Z USVS 25             | 408,87 | Z STA USVS 25                 | 339,58 |
| 30           | S               | Z USVS 30             | 635,81 | Z STA USVS 30                 | 553,32 |

## Metric nut bulkhead

Tuerca pasatabique Métrica

Metr. Gegenmuttern für Schottverschraubungen  
- GM-M

Écrou Métrique passe cloison



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 6L           | M12x1.5         | KZTPM12               | 2,84  |
| 8L / 6S      | M14x1.5         | KZTPM14               | 1,48  |
| 10L / 8S     | M16x1.5         | KZTPM16               | 4,26  |
| 12L / 10S    | M18x1.5         | KZTPM18               | 4,36  |
| 12S          | M20x1.5         | KZTPM20               | 5,25  |
| 15L / 14S    | M22x1.5         | KZTPM22               | 5,72  |
| 16S          | M24x1.5         | KZTPM24               | 7,53  |
| 18L          | M26x1.5         | KZTPM26               | 10,04 |
| 22L / 20S    | M30x2           | KZTPM30               | 13,55 |
| 28L / 25S    | M36x2           | KZTPM36               | 16,77 |
| 30S          | M42x2           | KZTPM42               | 20,08 |
| 35L          | M45x2           | KZTPM45               | 24,10 |
| 42L / 38S    | M52x2           | KZTPM52               | 35,13 |



# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Female stud coupling

Racor recto hembra rosca BSP

Gerader Aufschraubstutzen – Innengewinde  
BSP = GAI- R

Raccord union simple femelle gaz



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | 1/8" BSP        | Z GAIL 6 R 1/8        | 15,53  | Z STA GAIL 6 R 1/8            | 10,78  |
| 6            | L               | 1/4" BSP        | Z GAIL 6 R 1/4        | 16,73  | Z STA GAIL 6 R 1/4            | 11,98  |
| 8            | L               | 1/4" BSP        | Z GAIL 8 R 1/4        | 18,24  | Z STA GAIL 8 R 1/4            | 13,45  |
| 10           | L               | 1/4" BSP        | Z GAIL 10 R 1/4       | 18,71  | Z STA GAIL 10 R 1/4           | 13,58  |
| 12           | L               | 1/2" BSP        | Z GAIL 12 R 1/2       | 26,94  | Z STA GAIL 12 R 1/2           | 20,91  |
| 12           | L               | 3/8" BSP        | Z GAIL 12 R 3/8       | 26,17  | Z STA GAIL 12 R 3/8           | 20,14  |
| 15           | L               | 1/2" BSP        | Z GAIL 15 R 1/2       | 29,32  | Z STA GAIL 15 R 1/2           | 21,28  |
| 18           | L               | 1/2" BSP        | Z GAIL 18 R 1/2       | 33,27  | Z STA GAIL 18 R 1/2           | 23,10  |
| 22           | L               | 3/4" BSP        | Z GAIL 22 R 3/4       | 44,42  | Z STA GAIL 22 R 3/4           | 31,01  |
| 28           | L               | 1" BSP          | Z GAIL 28 R 1         | 71,67  | Z STA GAIL 28 R 1             | 53,82  |
| 35           | L               | 1"1/4 BSP       | Z GAIL 35 R 1 1/4     | 135,11 | Z STA GAIL 35 R 1 1/4         | 106,61 |
| 42           | L               | 1"1/2 BSP       | Z GAIL 42 R 1 1/2     | 179,39 | Z STA GAIL 42 R 1 1/2         | 133,39 |
| 6            | S               | 1/4" BSP        | Z GAIS 6 R 1/4        | 20,00  | Z STA GAIS 6 R 1/4            | 14,87  |
| 8            | S               | 1/4" BSP        | Z GAIS 8 R 1/4        | 20,95  | Z STA GAIS 8 R 1/4            | 15,56  |
| 10           | S               | 3/8" BSP        | Z GAIS 10 R 3/8       | 24,31  | Z STA GAIS 10 R 3/8           | 17,95  |
| 12           | S               | 3/8" BSP        | Z GAIS 12 R 3/8       | 30,45  | Z STA GAIS 12 R 3/8           | 23,61  |
| 14           | S               | 3/8" BSP        | Z GAIS 14 R 3/8       | 40,61  | Z STA GAIS 14 R 3/8           | 31,47  |
| 14           | S               | 1/2" BSP        | Z GAIS 14 R 1/2       | 38,49  | Z STA GAIS 14 R 1/2           | 29,35  |
| 16           | S               | 1/2" BSP        | Z GAIS 16 R 1/2       | 31,95  | Z STA GAIS 16 R 1/2           | 21,76  |
| 20           | S               | 3/4" BSP        | Z GAIS 20 R 3/4       | 61,08  | Z STA GAIS 20 R 3/4           | 46,91  |
| 25           | S               | 1" BSP          | Z GAIS 25 R 1         | 75,06  | Z STA GAIS 25 R 1             | 40,35  |
| 30           | S               | 1"1/4 BSP       | Z GAIS 30 R 1 1/4     | 135,52 | Z STA GAIS 30 R 1 1/4         | 94,21  |
| 38           | S               | 1"1/2 BSP       | Z GAIS 38 R 1 1/2     | 173,87 | Z STA GAIS 38 R 1 1/2         | 115,93 |

## Gauge coupling BSP cylindrical

Racor para manómetro BSP

Manometer-Verschraubung BSP ZYL - MAV-BSP

Raccord union pour manomètre gaz



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------|-----------------------|-------|
| 6            | L               | 1/4" BSP        | Z MAVL 6 R 1/4        | 21,99 |
| 8            | L               | 1/4" BSP        | Z MAVL 8 R 1/4        | 17,53 |
| 10           | L               | 1/4" BSP        | Z MAVL 10 R 1/4       | 21,55 |
| 12           | L               | 1/4" BSP        | Z MAVL 12 R 1/4       | 17,12 |
| 6            | S               | 1/2" BSP        | Z MAVS 6 R 1/2        | 29,77 |
| 8            | S               | 1/2" BSP        | Z MAVS 8 R 1/2        | 29,43 |
| 10           | S               | 1/2" BSP        | Z MAVS 10 R 1/2       | 56,99 |
| 12           | S               | 1/2" BSP        | Z MAVS 12 R 1/2       | 32,30 |

## Seal for gauge coupling

Arandela para manómetros

Dichtkanten-Ring für Manometer-Anschlüsse - DKI

Raccord bague pour manomètres



| ROSCA<br>THREAD | Referencia<br>Part n° | €    |
|-----------------|-----------------------|------|
| 1/4" BSP        | Z AM 6                | 7,86 |
| 1/2" BSP        | Z AM 12               | 9,11 |

## Female stud coupling Metric Cylindrical

Racor recto hembra rosca Métrica

Gerader Aufschraubstutzen – metr. Innengewinde  
= GAI- M

Raccord union simple femelle Métrique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | M10X1           | Z GAIL 6 M 10X1       | 25,17  |
| 8            | L               | M12X1.5         | Z GAIL 8 M 12X1.5     | 31,24  |
| 10           | L               | M14X1.5         | Z GAIL 10 M 14X1.5    | 34,64  |
| 12           | L               | M16X1.5         | Z GAIL 12 M 16X1.5    | 31,82  |
| 15           | L               | M18X1.5         | Z GAIL 15 M 18X1.5    | 58,56  |
| 18           | L               | M22X1.5         | Z GAIL 18 M 22X1.5    | 69,59  |
| 22           | L               | M26X1.5         | Z GAIL 22 M 26X1.5    | 58,95  |
| 28           | L               | M33X2           | Z GAIL 28 M 33X2      | 116,02 |
| 35           | L               | M42X2           | Z GAIL 35 M 42X2      | 210,61 |
| 42           | L               | M48X2           | Z GAIL 42 M 48X2      | 279,88 |
| 6            | S               | M12X1.5         | Z GAIS 6 M 12X1.5     | 35,69  |
| 8            | S               | M14X1.5         | Z GAIS 8 M 14X1.5     | 43,21  |
| 10           | S               | M16X1.5         | Z GAIS 10 M 16X1.5    | 41,58  |
| 12           | S               | M18X1.5         | Z GAIS 12 M 18X1.5    | 51,77  |
| 14           | S               | M20X1.5         | Z GAIS 14 M 20X1.5    | 64,26  |
| 16           | S               | M22X1.5         | Z GAIS 16 M 22X1.5    | 69,59  |
| 20           | S               | M27X2           | Z GAIS 20 M 27X2      | 98,88  |
| 25           | S               | M33X2           | Z GAIS 25 M 33X2      | 141,89 |
| 30           | S               | M42X2           | Z GAIS 30 M 42X2      | 264,58 |
| 38           | S               | M48X2           | Z GAIS 38 M 48X2      | 359,23 |

## Gauge coupling DKOL/DKOS cylindrical

Racor para manómetro DKOL/DKOS

Manometer-Verschraubung DKOL/DKOS

Raccord union pour manomètre DKOL/DKOS



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------|-----------------------|-------|
| 6            | L               | 1/4" BSP        | Z MAFL 6 R 1/4        | 19,72 |
| 8            | L               | 1/4" BSP        | Z MAFL 8 R 1/4        | 20,11 |
| 10           | L               | 1/4" BSP        | Z MAFL 10 R 1/4       | 20,88 |
| 12           | L               | 1/4" BSP        | Z MAFL 12 R 1/4       | 21,73 |
| 6            | S               | 1/2" BSP        | Z MAFS 6 R 1/2        | 28,93 |
| 8            | S               | 1/2" BSP        | Z MAFS 8 R 1/2        | 29,01 |
| 10           | S               | 1/2" BSP        | Z MAFS 10 R 1/2       | 29,78 |
| 12           | S               | 1/2" BSP        | Z MAFS 12 R 1/2       | 30,55 |

# DIN 2353 Pipe fittings

Racores DIN 2353

Verschraubungen Din 2353

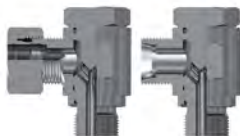
Raccords à bague DIN 2353

## Banjo coupling with captive seal and o'ring BSP cylindrical

Racor en codo orientable sin estrangulación  
rosca BSP

Schwenkversch. mit Dichtkegel und  
O-Ring BSP ZYL

Raccord équerre orientable articulée sans  
étranglement gaz



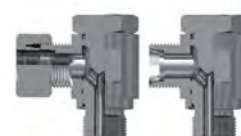
| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €        | Referencia STA<br>Part N° STA | €        |
|--------------|-----------------|-----------------|-----------------------|----------|-------------------------------|----------|
| 6            | L               | 1/8" BSP        | Z WSVL 6 R 1/8        | 75,04    | Z STA WSVL 6 R 1/8            | 70,28    |
| 6            | L               | 1/4" BSP        | Z WSVL 6 R 1/4        | 89,43    | Z STA WSVL 6 R 1/4            | 84,68    |
| 8            | L               | 1/4" BSP        | Z WSVL 8 R 1/4        | 79,92    | Z STA WSVL 8 R 1/4            | 75,13    |
| 10           | L               | 1/4" BSP        | Z WSVL 10 R 1/4       | 83,37    | Z STA WSVL 10 R 1/4           | 78,23    |
| 12           | L               | 3/8" BSP        | Z WSVL 12 R 3/8       | 92,72    | Z STA WSVL 12 R 3/8           | 86,68    |
| 15           | L               | 1/2" BSP        | Z WSVL 15 R 1/2       | 154,22   | Z STA WSVL 15 R 1/2           | 146,19   |
| 18           | L               | 1/2" BSP        | Z WSVL 18 R 1/2       | 201,40   | Z STA WSVL 18 R 1/2           | 191,22   |
| 22           | L               | 3/4" BSP        | Z WSVL 22 R 3/4       | 322,50   | Z STA WSVL 22 R 3/4           | 309,09   |
| 28           | L               | 1" BSP          | Z WSVL 28 R 1         | 531,38   | Z STA WSVL 28 R 1             | 513,52   |
| 35           | L               | 1 1/4" BSP      | Z WSVL 35 R 1 1/4     | 689,86   | Z STA WSVL 35 R 1 1/4         | 661,37   |
| 42           | L               | 1 1/2" BSP      | Z WSVL 42 R 1 1/2     | 967,28   | Z STA WSVL 42 R 1 1/2         | 921,28   |
| 6            | S               | 1/4" BSP        | Z WSVS 6 R 1/4        | 87,14    | Z STA WSVS 6 R 1/4            | 82,01    |
| 8            | S               | 1/4" BSP        | Z WSVS 8 R 1/4        | 87,40    | Z STA WSVS 8 R 1/4            | 82,01    |
| 10           | S               | 3/8" BSP        | Z WSVS 10 R 3/8       | 114,15   | Z STA WSVS 10 R 3/8           | 107,79   |
| 12           | S               | 3/8" BSP        | Z WSVS 12 R 3/8       | 127,06   | Z STA WSVS 12 R 3/8           | 120,22   |
| 14           | S               | 1/2" BSP        | Z WSVS 14 R 1/2       | 173,28   | Z STA WSVS 14 R 1/2           | 164,14   |
| 16           | S               | 1/2" BSP        | Z WSVS 16 R 1/2       | 210,58   | Z STA WSVS 16 R 1/2           | 200,39   |
| 20           | S               | 3/4" BSP        | Z WSVS 20 R 3/4       | 325,92   | Z STA WSVS 20 R 3/4           | 311,76   |
| 25           | S               | 1" BSP          | Z WSVS 25 R 1         | 472,57   | Z STA WSVS 25 R 1             | 437,86   |
| 30           | S               | 1 1/4" BSP      | Z WSVS 30 R 1 1/4     | 1.085,46 | Z STA WSVS 30 R 1 1/4         | 1.044,15 |
| 38           | S               | 1 1/2" BSP      | Z WSVS 38 R 1 1/2     | 1.171,18 | Z STA WSVS 38 R 1 1/2         | 1.113,25 |

## Banjo coupling with captive seal and o'ring Metric cylindrical

Racor en codo orientable sin estrangulación  
rosca Métrica

Schwenkversch. mit Dichtkegel und O-Ring  
metr. ZYL

Raccord équerre orientable articulée sans  
étranglement Métrique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      | Referencia STA<br>Part N° STA | €      |
|--------------|-----------------|-----------------|-----------------------|--------|-------------------------------|--------|
| 6            | L               | M10X1           | Z WSVL 6 M 10X1       | 76,14  | Z STA WSVL 6 M 10X1           | 71,38  |
| 8            | L               | M12X1.5         | Z WSVL 8 M 12X1,5     | 79,58  | Z STA WSVL 8 M 12X1,5         | 74,79  |
| 10           | L               | M14X1.5         | Z WSVL 10 M 14X1,5    | 111,75 | Z STA WSVL 10 M 14X1,5        | 106,62 |
| 12           | L               | M16X1.5         | Z WSVL 12 M 16X1,5    | 127,17 | Z STA WSVL 12 M 16X1,5        | 121,14 |
| 15           | L               | M18X1.5         | Z WSVL 15 M 18X1,5    | 170,67 | Z STA WSVL 15 M 18X1,5        | 162,64 |
| 18           | L               | M22X1.5         | Z WSVL 18 M 22X1,5    | 216,99 | Z STA WSVL 18 M 22X1,5        | 206,81 |
| 22           | L               | M26X1.5         | Z WSVL 22 M 26X1,5    | *      | Z STA WSVL 22 M 26X1,5        | *      |
| 28           | L               | M33X2           | Z WSVL 28 M 33X2      | *      | Z STA WSVL 28 M 33X2          | *      |
| 35           | L               | M42X2           | Z WSVL 35 M 42X2      | *      | Z STA WSVL 35 M 42X2          | *      |
| 42           | L               | M48X2           | Z WSVL 42 M 48X2      | *      | Z STA WSVL 42 M 48X2          | *      |
| 6            | S               | M12X1.5         | Z WSVS 6 M 12X1,5     | 106,47 | Z STA WSVS 6 M 12X1,5         | 101,34 |
| 8            | S               | M14X1.5         | Z WSVS 8 M 14X1,5     | 113,57 | Z STA WSVS 8 M 14X1,5         | 108,18 |
| 10           | S               | M16X1.5         | Z WSVS 10 M 16X1,5    | 132,54 | Z STA WSVS 10 M 16X1,5        | 126,18 |
| 12           | S               | M18X1.5         | Z WSVS 12 M 18X1,5    | 149,78 | Z STA WSVS 12 M 18X1,5        | 142,94 |
| 14           | S               | M20X1.5         | Z WSVS 14 M 20X1,5    | 144,17 | Z STA WSVS 14 M 20X1,5        | 135,03 |
| 16           | S               | M22X1.5         | Z WSVS 16 M 22X1,5    | 259,85 | Z STA WSVS 16 M 22X1,5        | 249,66 |
| 20           | S               | M27X2           | Z WSVS 20 M 27X2      | 335,64 | Z STA WSVS 20 M 27X2          | 321,48 |
| 30           | S               | M42X2           | Z WSVS 30 M 42X2      | 681,32 | Z STA WSVS 30 M 42X2          | 640,01 |
| 38           | S               | M48x2           | Z WSVS 38 M 48X2      | *      | Z STA WSVS 38 M 48X2          | *      |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Blanking plug with o'ring

Tapón de cierre para tubo con junta tórica

Verschlusskegel mit O-Ring

Raccord bouchon de fermeture avec o'ring



## Green FKM o-ring

Juntas tóricas FKM verde

O-Ring FKM grün - DOZ FKM

Joint torique en FKM vert



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 6            | L/S             | Z BUTZEN L 6          | 5,83  |
| 8            | L/S             | Z BUTZEN L 8          | 5,83  |
| 10           | L/S             | Z BUTZEN L 10         | 6,13  |
| 12           | L/S             | Z BUTZEN L 12         | 7,07  |
| 15           | L               | Z BUTZEN L 15         | 8,88  |
| 18           | L               | Z BUTZEN L 18         | 9,72  |
| 22           | L               | Z BUTZEN L 22         | 10,20 |
| 28           | L               | Z BUTZEN L 28         | 14,93 |
| 35           | L               | Z BUTZEN L 35         | 27,89 |
| 42           | L               | Z BUTZEN L 42         | 39,94 |
| 14           | S               | Z BUTZEN S 14         | 9,51  |
| 16           | S               | Z BUTZEN S 16         | 10,22 |
| 20           | S               | Z BUTZEN S 20         | 16,65 |
| 25           | S               | Z BUTZEN S 25         | 15,97 |
| 30           | S               | Z BUTZEN S 30         | 20,07 |
| 38           | S               | Z BUTZEN S 38         | 42,84 |

| TUBO<br>PIPE | Referencia<br>Part n° | €    |
|--------------|-----------------------|------|
| 6            | JVT06                 | 0,85 |
| 8            | JVT08                 | 0,91 |
| 10           | JVT10                 | 0,99 |
| 12           | JVT12                 | 1,04 |
| 14           | JVT14                 | 1,13 |
| 15-16        | JVT15                 | 1,11 |
| 18           | JVT18                 | 1,32 |
| 20           | JVT20                 | 1,32 |
| 22           | JVT22                 | 1,41 |
| 25           | JVT25                 | 1,46 |
| 28           | JVT28                 | 1,52 |
| 30           | JVT30                 | 1,63 |
| 35           | JVT35                 | 2,26 |
| 38           | JVT38                 | 2,38 |
| 42           | JVT42                 | 2,59 |

## Blanking plug with captive seal BSP cylindrical

Tapón de cierre Allen rosca BSP con junta

Verschlussverschraubung Innensechskant mit  
Dichtung BSP

Raccord bouchon Allen gaz avec joint plat



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" BSP        | Z STOPFEN 1/8         | 5,12  |
| 1/4" BSP        | Z STOPFEN 1/4         | 5,40  |
| 3/8" BSP        | Z STOPFEN 3/8         | 6,71  |
| 1/2" BSP        | Z STOPFEN 1/2         | 8,28  |
| 3/4" BSP        | Z STOPFEN 3/4         | 12,14 |
| 1" BSP          | Z STOPFEN 1           | 19,24 |
| 1"1/4 BSP       | Z STOPFEN 1 1/4       | 29,97 |
| 1"1/2 BSP       | Z STOPFEN 1 1/2       | 42,21 |

## Blanking plug with captive seal Metric cylindrical

Tapón de cierre Allen rosca Métrica con junta

Verschlussverschraubung Innensechskant mit  
Dichtung Metr.

Raccord bouchon Allen Métrique avec joint plat



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| M10X1           | Z STOPFEN M 10X1      | 4,92  |
| M12X1.5         | Z STOPFEN M 12X1,5    | 5,55  |
| M14X1.5         | Z STOPFEN M 14X1,5    | 6,15  |
| M16X1.5         | Z STOPFEN M 16X1,5    | 6,50  |
| M18X1.5         | Z STOPFEN M 18X1,5    | 6,89  |
| M20X1.5         | Z STOPFEN M 20X1,5    | 8,18  |
| M22X1.5         | Z STOPFEN M 22X1,5    | 8,68  |
| M26X1.5         | Z STOPFEN M 26X1,5    | 20,47 |
| M27X2           | Z STOPFEN M 27X2      | 20,47 |
| M33X2           | Z STOPFEN M 33X2      | 23,64 |
| M42X2           | Z STOPFEN M 42X2      | 25,21 |
| M48X2           | Z STOPFEN M 48X2      | 49,24 |

## Green FKM captive seal

Juntas planas FKM verde

Dichtring flach FKM grün- DOZ FKM KL

Joint plat en FKM vert



| ROSCA<br>THREAD    | Referencia<br>Part n° | €     |
|--------------------|-----------------------|-------|
| 1/8" BSP - M10x1   | JVBSP02               | 3,25  |
| M12x1.5            | JVM12                 | 3,25  |
| 1/4" BSP - M14x1.5 | JVBSP04               | 3,18  |
| M16x1.5            | JVM16                 | 3,25  |
| 3/8" BSP           | JVBSP06               | 3,25  |
| M18x1.5            | JVM18                 | 3,39  |
| M20x1.5            | JVM20                 | 3,39  |
| 1/2" BSP           | JVBSP08               | 3,40  |
| M22x1.5            | JVM22                 | 3,47  |
| 3/4" BSP - M26x1.5 | JVBSP12               | 3,46  |
| 1" BSP - M33x2     | JVBSP16               | 3,60  |
| 1"1/4 BSP - M42x2  | JVBSP20               | 5,51  |
| 1"1/2 BSP - M48x2  | JVBSP24               | 5,93  |
| 2" BSP             | JVBSP32               | 20,50 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Tool for manual pre-assembly

Vomo

Werkzeug für die manuelle Vormontage

Outil pour pre-montage



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | € |
|--------------|-----------------|-----------------|-----------------------|---|
| 6            | L               | 12x1.5          | Z VOMO L 6            | * |
| 8            | L               | 14x1.5          | Z VOMO L 8            | * |
| 10           | L               | 16x1.5          | Z VOMO L 10           | * |
| 12           | L               | 18x1.5          | Z VOMO L 12           | * |
| 15           | L               | 22x1.5          | Z VOMO L 15           | * |
| 18           | L               | 26x1.5          | Z VOMO L 18           | * |
| 22           | L               | 30x2.0          | Z VOMO L 22           | * |
| 28           | L               | 36x2.0          | Z VOMO L 28           | * |
| 35           | L               | 45x2.0          | Z VOMO L 35           | * |
| 42           | L               | 52x2.0          | Z VOMO L 42           | * |
| 6            | S               | 14x1.5          | Z VOMO S 6            | * |
| 8            | S               | 16x1.5          | Z VOMO S 8            | * |
| 10           | S               | 18x1.5          | Z VOMO S 10           | * |
| 12           | S               | 20x1.5          | Z VOMO S 12           | * |
| 14           | S               | 22x1.5          | Z VOMO S 14           | * |
| 16           | S               | 24x1.5          | Z VOMO S 16           | * |
| 20           | S               | 30x2.0          | Z VOMO S 20           | * |
| 25           | S               | 36x2.0          | Z VOMO S 25           | * |
| 30           | S               | 42x2.0          | Z VOMO S 30           | * |

Made of Hardened tool-steel / Material Acero Templado / Material Gehärteter Stahl / Matériel Acier Trempé

## Grease

Grasa

Fett

Graisse



| PESO (gr)<br>WEIGHT (gr) | Referencia<br>Part n° | €     |
|--------------------------|-----------------------|-------|
| 145                      | GR ASW120             | 72,94 |

# DIN 2353 Pipe fittings

Racores DIN 2353  
Verschraubungen Din 2353  
Raccords à bague DIN 2353

## Non-return valve flow from male stud end BSP cylindrical

Válvula antirretorno rosca BSP-tubo

Rückschlagventil einseitig sperrend BSP Stecker (m)-Rohr

Clapet anti-rétour unidirectionnel à gauche mâle-tube



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | € |
|--------------|-----------------|-----------------|-----------------------|---|
| 6            | L               | 1/8" BSP        | Z RHVL 6 R 1/8        | * |
| 8            | L               | 1/4" BSP        | Z RHVL 8 R 1/4        | * |
| 10           | L               | 1/4" BSP        | Z RHVL 10 R 1/4       | * |
| 12           | L               | 3/8" BSP        | Z RHVL 12 R 3/8       | * |
| 15           | L               | 1/2" BSP        | Z RHVL 15 R 1/2       | * |
| 18           | L               | 1/2" BSP        | Z RHVL 18 R 1/2       | * |
| 22           | L               | 3/4" BSP        | Z RHVL 22 R 3/4       | * |
| 28           | L               | 1" BSP          | Z RHVL 28 R 1         | * |
| 35           | L               | 1"1/4 BSP       | Z RHVL 35 R 1 1/4     | * |
| 42           | L               | 1"1/2 BSP       | Z RHVL 42 R 1 1/2     | * |
| 6            | S               | 1/4" BSP        | Z RHVS 6 R 1/4        | * |
| 8            | S               | 1/4" BSP        | Z RHVS 8 R 1/4        | * |
| 10           | S               | 3/8" BSP        | Z RHVS 10 R 3/8       | * |
| 12           | S               | 3/8" BSP        | Z RHVS 12 R 3/8       | * |
| 14           | S               | 1/2" BSP        | Z RHVS 14 R 1/2       | * |
| 16           | S               | 1/2" BSP        | Z RHVS 16 R 1/2       | * |
| 20           | S               | 3/4" BSP        | Z RHVS 20 R 3/4       | * |
| 25           | S               | 1" BSP          | Z RHVS 25 R 1         | * |
| 30           | S               | 1"1/4 BSP       | Z RHVS 30 R 1 1/4     | * |
| 38           | S               | 1"1/2 BSP       | Z RHVS 38 R 1 1/2     | * |

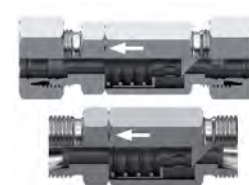
Setting 1 bar. For other standard spring pressures, consult us. / Taraje 1 bar. Para otras presiones de tarado estandard, consultar. / Einstellung-Druck 1 bar. Bitte kontaktieren Sie uns für andere Standard-Drucke. / Tarage 1 bar. Pour d'autres pressions ressort standard, consultez-nous.

## Non-return valve tube-tube

Válvula antirretorno tubo-tubo

Rückschlagventil beidseitiger Rohranschluß

Clapet anti-rétour bidirectionnel tube-tube



| TUBO<br>PIPE | SERIE<br>SERIES | Referencia<br>Part n° | €        | Referencia STA<br>Part N° STA | €        |
|--------------|-----------------|-----------------------|----------|-------------------------------|----------|
| 6            | L               | Z RHDL 6              | 40,91    | Z STA RHDL 6                  | 31,53    |
| 8            | L               | Z RHDL 8              | 50,58    | Z STA RHDL 8                  | 41,13    |
| 10           | L               | Z RHDL 10             | 48,99    | Z STA RHDL 10                 | 38,85    |
| 12           | L               | Z RHDL 12             | 59,00    | Z STA RHDL 12                 | 47,07    |
| 15           | L               | Z RHDL 15             | 69,53    | Z STA RHDL 15                 | 53,59    |
| 18           | L               | Z RHDL 18             | 96,06    | Z STA RHDL 18                 | 75,83    |
| 22           | L               | Z RHDL 22             | 129,64   | Z STA RHDL 22                 | 102,96   |
| 28           | L               | Z RHDL 28             | 215,85   | Z STA RHDL 28                 | 180,28   |
| 35           | L               | Z RHDL 35             | 773,49   | Z STA RHDL 35                 | 716,62   |
| 42           | L               | Z RHDL 42             | 1.196,97 | Z STA RHDL 42                 | 1.105,10 |
| 6            | S               | Z RHDS 6              | 41,25    | Z STA RHDS 6                  | 31,12    |
| 8            | S               | Z RHDS 8              | 42,81    | Z STA RHDS 8                  | 32,16    |
| 10           | S               | Z RHDS 10             | 51,02    | Z STA RHDS 10                 | 38,42    |
| 12           | S               | Z RHDS 12             | 60,03    | Z STA RHDS 12                 | 46,47    |
| 14           | S               | Z RHDS 14             | 73,51    | Z STA RHDS 14                 | 55,36    |
| 16           | S               | Z RHDS 16             | 87,09    | Z STA RHDS 16                 | 66,83    |
| 20           | S               | Z RHDS 20             | 113,95   | Z STA RHDS 20                 | 85,75    |
| 25           | S               | Z RHDS 25             | 197,68   | Z STA RHDS 25                 | 128,39   |
| 30           | S               | Z RHDS 30             | 331,63   | Z STA RHDS 30                 | 249,14   |
| 38           | S               | Z RHDS 38             | 727,31   | Z STA RHDS 38                 | 611,58   |

Setting 1 bar. For other standard spring pressures, consult us. / Taraje 1 bar. Para otras presiones de tarado estandard, consultar. / Einstellung-Druck 1 bar. Bitte kontaktieren Sie uns für andere Standard-Drucke. / Tarage 1 bar. Pour d'autres pressions ressort standard, consultez-nous.

## Non-return valve flow towards male stud end BSP cylindrical

Válvula antirretorno tubo-rosca BSP

Rückschlagventil einseitig sperrend BSP Rohr Stecker (m)

Clapet anti-rétour unidirectionnel à droite tube-mâle



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | € |
|--------------|-----------------|-----------------|-----------------------|---|
| 6            | L               | 1/8" BSP        | Z RHZL 6 R 1/8        | * |
| 8            | L               | 1/4" BSP        | Z RHZL 8 R 1/4        | * |
| 10           | L               | 1/4" BSP        | Z RHZL 10 R 1/4       | * |
| 12           | L               | 3/8" BSP        | Z RHZL 12 R 3/8       | * |
| 15           | L               | 1/2" BSP        | Z RHZL 15 R 1/2       | * |
| 18           | L               | 1/2" BSP        | Z RHZL 18 R 1/2       | * |
| 22           | L               | 3/4" BSP        | Z RHZL 22 R 3/4       | * |
| 28           | L               | 1" BSP          | Z RHZL 28 R 1         | * |
| 35           | L               | 1"1/4 BSP       | Z RHZL 35 R 1 1/4     | * |
| 42           | L               | 1"1/2 BSP       | Z RHZL 42 R 1 1/2     | * |
| 6            | S               | 1/4" BSP        | Z RHZS 6 R 1/4        | * |
| 8            | S               | 1/4" BSP        | Z RHZS 8 R 1/4        | * |
| 10           | S               | 3/8" BSP        | Z RHZS 10 R 3/8       | * |
| 12           | S               | 3/8" BSP        | Z RHZS 12 R 3/8       | * |
| 14           | S               | 1/2" BSP        | Z RHZS 14 R 1/2       | * |
| 16           | S               | 1/2" BSP        | Z RHZS 16 R 1/2       | * |
| 20           | S               | 3/4" BSP        | Z RHZS 20 R 3/4       | * |
| 25           | S               | 1" BSP          | Z RHZS 25 R 1         | * |
| 30           | S               | 1"1/4 BSP       | Z RHZS 30 R 1 1/4     | * |
| 38           | S               | 1"1/2 BSP       | Z RHZS 38 R 1 1/2     | * |

Setting 1 bar. For other standard spring pressures, consult us. / Taraje 1 bar. Para otras presiones de tarado estandard, consultar. / Einstellung-Druck 1 bar. Bitte kontaktieren Sie uns für andere Standard-Drucke. / Tarage 1 bar. Pour d'autres pressions ressort standard, consultez-nous.

## Incorporamos válvulas antirretorno sin tuerca ni anillo

### Non-return valve only body



## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

### Nut JIC 37°

Tuercas JIC 37°

Muttern JIC 37° - M JIC

Écrou JIC 37°



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|---------------|-----------------|-----------------------|-------|
| 6 1/4"        | 7/16" 20h UNF   | ZS11006               | 6,46  |
| 8 5/16"       | 1/2" 20h UNF    | ZS11008               | 4,66  |
| 10 3/8"       | 9/16" 18h UNF   | ZS11010               | 4,88  |
| 12 1/2"       | 3/4" 16h UNF    | ZS11012               | 4,89  |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS11016               | 7,10  |
| 18-20 -       | 1" 1/16 12h UN  | ZS11020               | 10,95 |
| - 3/4"        | 1" 1/16 12h UNF | ZS11020W              | 18,22 |
| 25 1"         | 1" 5/16 12h UN  | ZS11025               | 26,02 |
| 30-32 1 1/4"  | 1" 5/8 12h UN   | ZS11032               | 40,24 |
| 38 1 1/2"     | 1" 7/8 12h UN   | ZS11038               | 74,13 |

### Metric tube sleeves JIC 37°

Ferulas JIC 37° (tubo Métrico)

Druckring (Stützring) metr.

Ferrules JIC 37° pour tube Métrique



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 6            | ZS12006               | 2,43  |
| 8            | ZS12008               | 2,92  |
| 10           | ZS12010               | 3,07  |
| 12           | ZS12012               | 3,51  |
| 14           | ZS12014               | 7,42  |
| 15           | ZS12015               | 7,42  |
| 16           | ZS12016               | 7,15  |
| 18           | ZS12018               | 8,39  |
| 20           | ZS12020               | 8,65  |
| 25           | ZS12025               | 15,95 |
| 30           | ZS12030               | 15,99 |
| 32           | ZS12032               | 17,41 |
| 38           | ZS12038               | 27,21 |

### Tube sleeves Gas JIC 37°

Ferulas JIC 37° (tubo Gas)

Druckring (Stützring) GAS

Ferrules JIC 37° pour tube Gaz



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 1/4"         | ZS12104               | 3,72  |
| 5/16"        | ZS12105               | 4,09  |
| 3/8"         | ZS12106               | 4,84  |
| 1/2"         | ZS12108               | 5,61  |
| 5/8"         | ZS12110               | 5,72  |
| 3/4"         | ZS12112               | 8,17  |
| 1"           | ZS12116               | 19,15 |
| 1" 1/4"      | ZS12120               | 25,94 |
| 1" 1/2"      | ZS12124               | 34,74 |

### Plug male JIC 37°

Tapón macho JIC 37°

Verschlussstopfen JIC 37°

Bouchon mâle JIC 37°



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|---------------|-----------------|-----------------------|-------|
| 6 1/4"        | 7/16" 20h UNF   | ZS14006               | 7,99  |
| 8 5/16"       | 1/2" 20h UNF    | ZS14008               | 8,06  |
| 10 3/8"       | 9/16" 18h UNF   | ZS14010               | 11,51 |
| 12 1/2"       | 3/4" 16h UNF    | ZS14012               | 12,84 |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS14016               | 15,34 |
| 18-20 3/4"    | 1" 1/16 12h UN  | ZS14020               | 21,20 |
| 25 1"         | 1" 5/16 12h UN  | ZS14025               | 28,09 |
| 30-32 1 1/4"  | 1" 5/8 12h UN   | ZS14032               | 44,40 |
| 38 1 1/2"     | 1" 7/8 12h UN   | ZS14038               | 73,14 |

### Cap JIC 37°

Tapón hembra giratoria JIC 37°

Verschlussmutter JIC 37°

Bouchon femelle JIC 37°



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|---------------|-----------------|-----------------------|-------|
| 6 1/4"        | 7/16"-20h UNF   | ZS13006               | 14,16 |
| 8 5/16"       | 1/2"-20h UNF    | ZS13008               | 14,61 |
| 10 3/8"       | 9/16"-18h UNF   | ZS13010               | 15,12 |
| 12 1/2"       | 3/4"-16h UNF    | ZS13012               | 17,04 |
| 14-15-16 5/8" | 7/8"-14h UNF    | ZS13016               | 16,13 |
| 18-20 3/4"    | 1" 1/16-12h UN  | ZS13020               | 23,17 |
| 25 1"         | 1" 5/16-12h UN  | ZS13025               | 41,12 |
| 30-32 1 1/4"  | 1" 5/8-12h UN   | ZS13032               | 57,56 |
| 38 1 1/2"     | 1" 7/8-12h UN   | ZS13038               | 96,89 |

# Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

## Straight union JIC 37°

Racor macho-macho JIC 37°

Gerade Verschraubung AGJ-AGJ

Adapteur droit mâle JIC 37°



## Straight union JIC 37° with o'ring

Racor macho-macho JIC 37° con junta

Gerade Verschraubung AGJ-AGJ mit Dichtung

Adapteur droit mâle JIC 37° avec o'ring



| TUBO<br>PIPE |        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|--------|-----------------|-----------------------|--------|
| 6            | 1/4"   | 7/16" 20h UNF   | ZS26006               | 12,13  |
| 8            | 5/16"  | 1/2" 20h UNF    | ZS26008               | 13,75  |
| 10           | 3/8"   | 9/16" 18h UNF   | ZS26010               | 13,92  |
| 12           | 1/2"   | 3/4" 16h UNF    | ZS26012               | 15,81  |
| 14-15-16     | 5/8"   | 7/8" 14h UNF    | ZS26016               | 20,99  |
| 18-20        | 3/4"   | 1"1/16 12h UN   | ZS26020               | 25,11  |
| 25           | 1"     | 1"5/16 12h UN   | ZS26025               | 38,37  |
| 30-32        | 1" 1/4 | 1"5/8 12h UN    | ZS26032               | 56,77  |
| 38           | 1" 1/2 | 1"7/8 12h UN    | ZS26038               | 76,72  |
| 50           | 2"     | 2" 1/2 12h UN   | ZS26050               | 137,34 |

| TUBO<br>PIPE |        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|--------|-----------------|-----------------------|--------|
| 6            | 1/4"   | 7/16" 20h UNF   | ZS26006OR             | 19,75  |
| 8            | 5/16"  | 1/2" 20h UNF    | ZS26008OR             | 20,63  |
| 10           | 3/8"   | 9/16" 18h UNF   | ZS26010OR             | 19,42  |
| 12           | 1/2"   | 3/4" 16h UNF    | ZS26012OR             | 23,82  |
| 14-15-16     | 5/8"   | 7/8" 14h UNF    | ZS26016OR             | 27,72  |
| 18-20        | 3/4"   | 1"1/16 12h UN   | ZS26020OR             | 42,79  |
| 25           | 1"     | 1"5/16 12h UN   | ZS26025OR             | 52,30  |
| 30-32        | 1" 1/4 | 1"5/8 12h UN    | ZS26032OR             | 86,40  |
| 38           | 1" 1/2 | 1"7/8 12h UN    | ZS26038OR             | 127,60 |

## Reducer adaptor male JIC 37°

Racor reducción macho-macho JIC 37°

Reduzieranschlüsse m - m JIC 37°

Adapteur réduction mâle JIC 37°



## Metric adaptor male - male JIC 37°

Racor macho JIC 37° - macho Métrico

Gerade Einschraubversch. JIC 37° -AG metr.

Adapteur mâle JIC 37° - mâle Métrique



| TUBO<br>PIPE  |               | ROSCA<br>THREAD |               | Referencia<br>Part n° | €     |
|---------------|---------------|-----------------|---------------|-----------------------|-------|
| 8 5/16"       | 6 1/4"        | 1/2" 20h UNF    | 7/16" 20h UNF | ZS2600806             | 14,32 |
| 10 5/16"      | 6 1/4"        | 9/16" 18h UNF   | 7/16" 20h UNF | ZS2601006             | 17,94 |
| 10 3/8"       | 8 5/16"       | 9/16" 18h UNF   | 1/2" 20h UNF  | ZS2601008             | 16,72 |
| 12 1/2"       | 6 1/4"        | 3/4" 16h UNF    | 7/16" 20h UNF | NEW ZS2601206         | 25,55 |
| 12 1/2"       | 10 3/8"       | 3/4" 16h UNF    | 9/16" 18h UNF | ZS2601210             | 22,55 |
| 14-15-16 5/8" | 12 1/2"       | 7/8" 14h UNF    | 3/4" 16h UNF  | ZS2601612             | 23,47 |
| 18-20 3/4"    | 14-15-16 5/8" | 1"1/16 12h UN   | 7/8" 14h UNF  | ZS2602016             | 30,49 |
| 25 1"         | 18-20 3/4"    | 1"5/16 12h UN   | 1"1/16 12h UN | ZS2602520             | 38,99 |
| 30-32 1"1/4   | 25 1"         | 1"5/8 12h UN    | 1"5/16 12h UN | ZS2603225             | 56,92 |
| 38 1"1/2      | 30-32 1"1/4   | 1"7/8 12h UN    | 1"5/8 12h UN  | ZS2603832             | 87,74 |

| TUBO<br>PIPE |        |         | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|--------|---------|-----------------|-----------------------|--------|
| 6            | 1/4"   | M10x1   | 7/16" 20h UNF   | ZS2400610             | 17,92  |
| 8            | 5/16"  | M10x1   | 1/2" 20h UNF    | ZS2400810*            | 16,53  |
| 8            | 5/16"  | M12x1.5 | 1/2" 20h UNF    | ZS2400812             | 16,32  |
| 8            | 5/16"  | M14x1.5 | 1/2" 20h UNF    | ZS2400814*            | 13,65  |
| 10           | 3/8"   | M12x1.5 | 9/16" 18h UNF   | ZS2401012             | 19,33  |
| 10           | 3/8"   | M14x1.5 | 9/16" 18h UNF   | ZS2401014             | 21,93  |
| 10           | 3/8"   | M16x1.5 | 9/16" 18h UNF   | ZS2401016             | 18,37  |
| 12           | 1/2"   | M14x1.5 | 3/4" 16h UNF    | ZS2401214             | 22,81  |
| 12           | 1/2"   | M16x1.5 | 3/4" 16h UNF    | ZS2401216             | 19,23  |
| 12           | 1/2"   | M18x1.5 | 3/4" 16h UNF    | ZS2401218             | 19,14  |
| 14-15-16     | 5/8"   | M18x1.5 | 7/8" 14h UNF    | ZS2401418             | 38,42  |
| 14-15-16     | 5/8"   | M27x2   | 7/8" 14h UNF    | ZS2401427*            | 24,35  |
| 14-15-16     | 5/8"   | M22x1.5 | 7/8" 14h UNF    | ZS2401622             | 40,43  |
| 18-20        | 3/4"   | M22x1.5 | 1"1/16 12h UN   | ZS2402022             | 38,18  |
| 18-20        | 3/4"   | M27X2   | 1"1/16 12h UN   | ZS2402027             | 39,34  |
| 25           | 1"     | M27x2   | 1"5/16 12h UNF  | ZS2402527*            | 53,97  |
| 25           | 1"     | M33x2   | 1"5/16 12h UN   | ZS2402533             | 51,98  |
| 30-32        | 1" 1/4 | M42x2   | 1"5/8 12h UN    | ZS2403242             | 79,72  |
| 38           | 1" 1/2 | M50x2   | 1"7/8 12h UN    | ZS2403850             | 136,84 |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Straight bulkhead fitting JIC 37°

Racor pasatabiques JIC 37°

Schottverschraubung - SV JIC 37°

Union passe cloison droite mâle JIC 37° équipé



| TUBO<br>PIPE |        | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|--------|-----------------|-----------------------|--------|
| 6            | 1/4"   | 7/16" 20h UNF   | ZS25006               | 22,27  |
| 8            | 5/16"  | 1/2" 20h UNF    | ZS25008               | 22,55  |
| 10           | 3/8"   | 9/16" 18h UNF   | ZS25010               | 27,23  |
| 12           | 1/2"   | 3/4" 16h UNF    | ZS25012               | 27,95  |
| 14-15-16     | 5/8"   | 7/8" 14h UNF    | ZS25016               | 38,40  |
| 18-20        | 3/4"   | 1"1/16 12h UN   | ZS25020               | 53,80  |
| 25           | 1"     | 1"5/16 12h UN   | ZS25025               | 71,57  |
| 30-32        | 1" 1/4 | 1"5/8 12h UN    | ZS25032               | 95,03  |
| 38           | 1" 1/2 | 1"7/8 12h UN    | ZS25038               | 128,86 |

## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

### Straight adaptor male JIC 37° - male NPT pipe

Racor macho JIC 37° - macho NPT

Gerade Einschraubverschr. AGJ-AGN

Adapteur mâle JIC 37° - mâle NPT (BRIGGS)



|          | TUBO<br>PIPE |         |         | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|----------|--------------|---------|---------|-----------------|-----------------------|--------|
| 6        | 1/4"         | 7/16"   | 20h UNF | 1/8" NPT        | ZS2000610             | 12,92  |
| 6        | 1/4"         | 7/16"   | 20h UNF | 1/4" NPT        | ZS2000613             | 11,73  |
| 6        | 1/4          | 7/16"   | 20h UNF | 3/8" NPT        | ZS2000617             | 20,07  |
| 8        | 5/16"        | 1/2"    | 20h UNF | 1/8" NPT        | ZS2000810             | 9,95   |
| 8        | 5/16"        | 1/2"    | 20h UNF | 1/4" NPT        | ZS2000813             | 12,81  |
| 8        | 5/16"        | 1/2"    | 20h UNF | 3/8" NPT        | ZS2000817             | 21,27  |
| 10       | 3/8"         | 9/16"   | 18h UNF | 1/8" NPT        | ZS2001010             | 14,80  |
| 10       | 3/8"         | 9/16"   | 18h UNF | 1/4" NPT        | ZS2001013             | 12,47  |
| 10       | 3/8"         | 9/16"   | 18h UNF | 3/8" NPT        | ZS2001017             | 14,72  |
| 10       | 3/8"         | 9/16"   | 18h UNF | 1/2" NPT        | ZS2001021             | 19,81  |
| 12       | 1/2"         | 3/4"    | 16h UNF | 1/4" NPT        | ZS2001213             | 20,45  |
| 12       | 1/2"         | 3/4"    | 16h UNF | 3/8" NPT        | ZS2001217             | 19,47  |
| 12       | 1/2"         | 3/4"    | 16h UNF | 1/2" NPT        | ZS2001221             | 19,69  |
| 12       | 1/2"         | 3/4"    | 16h UNF | 3/4" NPT        | ZS2001226             | 22,99  |
| 14-15-16 | 5/8"         | 7/8"    | 14h UNF | 1/2" NPT        | ZS2001621             | 25,01  |
| 14-15-16 | 5/8"         | 7/8"    | 14h UNF | 3/4" NPT        | ZS2001626             | 26,85  |
| 18-20    | 3/4"         | 1" 1/16 | 12h UN  | 1/4" NPT        | ZS2002013             | 39,84  |
| 18-20    | 3/4"         | 1" 1/16 | 12h UN  | 1/2" NPT        | ZS2002021             | 24,11  |
| 18-20    | 3/4"         | 1" 1/16 | 12h UN  | 3/4" NPT        | ZS2002026             | 26,37  |
| 18-20    | 3/4"         | 1" 1/16 | 12h UN  | 1" NPT          | ZS2002033             | 39,38  |
| 25       | 1"           | 1" 5/16 | 12h UN  | 3/4" NPT        | ZS2002526             | 35,08  |
| 25       | 1"           | 1" 5/16 | 12h UN  | 1" NPT          | ZS2002533             | 33,41  |
| 30-32    | 1"           | 1" 5/16 | 12h UN  | 1" 1/4 NPT      | ZS2002542             | 73,57  |
| 30-32    | 1" 1/4       | 1" 5/8  | 12h UN  | 1" NPT          | ZS2003233             | 79,22  |
| 30-32    | 1" 1/4       | 1" 5/8  | 12h UN  | 1 1/4" NPT      | ZS2003242             | 66,56  |
| 38       | 1" 1/2       | 1" 7/8  | 12h UN  | 1" NPT          | ZS2003833             | 85,75  |
| 38       | 1" 1/2       | 1" 7/8  | 12h UN  | 1 1/4" NPT      | ZS2003842             | 93,95  |
| 38       | 1" 1/2       | 1" 7/8  | 12h UN  | 1 1/2" NPT      | ZS2003848             | 73,34  |
| 50       | 2"           | 2" 1/2  | 12h UN  | 2" NPT          | ZS2005060             | 119,95 |

### Straight adaptor swivel female JIC 37° - male UNF

Hembra giratoria JIC 37° - macho UNF

Dichtkonus JIC 37° - UNF m

Adapteur femelle tournante JIC 37° - mâle UNF



| TUBO<br>PIPE | ROSCA (H)<br>THREAD (F) |                | ROSCA (M)<br>THREAD (M) | Referencia<br>Part n° | €        |
|--------------|-------------------------|----------------|-------------------------|-----------------------|----------|
| 6            | 1/4"                    | 7/16" 20h UNF  | 7/16" 20h UNF           | <b>ZS38006</b>        | <b>*</b> |
| 10           | 3/8"                    | 9/16" 18h UNF  | 9/16" 18h UNF           | <b>ZS38010</b>        | <b>*</b> |
| 12           | 1/2"                    | 3/4" 16h UNF   | 3/4" 16h UNF            | <b>ZS38012</b>        | <b>*</b> |
| 14-15-16     | 5/8"                    | 7/8" 14h UNF   | 7/8" 14h UNF            | <b>ZS38016</b>        | <b>*</b> |
| 18-20        | 3/4"                    | 1" 1/16 12h UN | 1" 1/16 12h UN          | <b>ZS38020</b>        | <b>*</b> |
| 25           | 1"                      | 1" 5/16 12h UN | 1" 5/16 12h UN          | <b>ZS38025</b>        | <b>*</b> |

\*See prices in p.185 (O'RING BOSS ADAPTORS) / \*Ver precios en p.185 (ADAPTADORES O'RING BOSS) / \*Vgl. Sie die Preise auf S.185 (ADAPTER O'RING BOSS) / \*Prix à la p.185 (ADAPTEURS O'RING BOSS)

### Straight adaptor male JIC 37° - male BSP

Racor macho JIC 37° - macho BSP

Gerade Einschraubverschr. AGJ-AGR

Adapteur mâle JIC 37° - mâle BSP équipé



| TUBO<br>PIPE | ROSCA<br>THREAD |        | TUBO<br>PIPE   | ROSCA<br>THREAD |  | Referencia<br>Part n° | €             |
|--------------|-----------------|--------|----------------|-----------------|--|-----------------------|---------------|
| 6            | 1/8" BSP        | 1/4"   | 7/16" 20h UNF  |                 |  | <b>ZS2300610</b>      | <b>12,30</b>  |
| 6            | 1/4" BSP        | 1/4"   | 7/16" 20h UNF  |                 |  | <b>ZS2300613</b>      | <b>13,39</b>  |
| 6            | 3/8" BSP        | 1/4"   | 7/16" 20h UNF  |                 |  | <b>ZS2300617</b>      | <b>21,29</b>  |
| 6            | 1/2" BSP        | 1/4"   | 7/16" 20h UNF  |                 |  | <b>ZS2300621</b>      | <b>37,37</b>  |
| 8            | 1/4" BSP        | 5/16"  | 1/2" 20h UNF   |                 |  | <b>ZS2300813</b>      | <b>18,68</b>  |
| 8            | 3/8" BSP        | 5/16"  | 1/2" 20h UNF   |                 |  | <b>ZS2300817</b>      | <b>20,59</b>  |
| 10           | 1/4" BSP        | 3/8"   | 9/16" 18h UNF  |                 |  | <b>ZS2301013</b>      | <b>13,94</b>  |
| 10           | 3/8" BSP        | 3/8"   | 9/16" 18h UNF  |                 |  | <b>ZS2301017</b>      | <b>15,31</b>  |
| 10           | 1/2" BSP        | 3/8"   | 9/16" 18h UNF  |                 |  | <b>ZS2301021</b>      | <b>21,09</b>  |
| 12           | 1/4" BSP        | 1/2"   | 3/4" 16h UNF   |                 |  | <b>ZS2301213</b>      | <b>17,43</b>  |
| 12           | 3/8" BSP        | 1/2"   | 3/4" 16h UNF   |                 |  | <b>ZS2301217</b>      | <b>17,75</b>  |
| 12           | 1/2" BSP        | 1/2"   | 3/4" 16h UNF   |                 |  | <b>ZS2301221</b>      | <b>19,74</b>  |
| 12           | 3/4" BSP        | 1/2"   | 3/4" 16h UNF   |                 |  | <b>ZS2301226</b>      | <b>35,99</b>  |
| 14-15-16     | 3/8" BSP        | 5/8"   | 7/8" 14h UNF   |                 |  | <b>ZS2301617</b>      | <b>23,03</b>  |
| 14-15-16     | 1/2" BSP        | 5/8"   | 7/8" 14h UNF   |                 |  | <b>ZS2301621</b>      | <b>26,29</b>  |
| 14-15-16     | 3/4" BSP        | 5/8"   | 7/8" 14h UNF   |                 |  | <b>ZS2301626</b>      | <b>36,41</b>  |
| 18-20        | 1/2" BSP        | 3/4"   | 1" 1/16 12h UN |                 |  | <b>ZS2302021</b>      | <b>29,11</b>  |
| 18-20        | 3/4" BSP        | 3/4"   | 1" 1/16 12h UN |                 |  | <b>ZS2302026</b>      | <b>29,01</b>  |
| 18-20        | 1" BSP          | 3/4"   | 1" 1/16 12h UN |                 |  | <b>ZS2302033</b>      | <b>59,69</b>  |
| 25           | 1/2" BSP        | 1"     | 1" 5/16 12h UN |                 |  | <b>ZS2302521*</b>     | <b>34,76</b>  |
| 25           | 3/4" BSP        | 1"     | 1" 5/16 12h UN |                 |  | <b>ZS2302526</b>      | <b>34,48</b>  |
| 25           | 1" BSP          | 1"     | 1" 5/16 12h UN |                 |  | <b>ZS2302533</b>      | <b>59,19</b>  |
| 25           | 1" 1/4 BSP      | 1"     | 1" 5/16 12h UN |                 |  | <b>ZS2302542</b>      | <b>72,90</b>  |
| 30-32        | 1" BSP          | 1"     | 1" 5/8 12h UN  |                 |  | <b>ZS2303233</b>      | <b>87,84</b>  |
| 30-32        | 1" 1/4 BSP      | 1 1/4" | 1" 5/8 12h UN  |                 |  | <b>ZS2303242</b>      | <b>83,70</b>  |
| 38           | 1" 1/4 BSP      | 1 1/2" | 1" 7/8 12h UN  |                 |  | <b>ZS2303842</b>      | <b>95,79</b>  |
| 38           | 1" 1/2 BSP      | 1 1/2" | 1" 7/8 12h UN  |                 |  | <b>ZS2303848</b>      | <b>120,17</b> |
| 38           | 2" BSP          | 1 1/2" | 1" 7/8 12h UN  |                 |  | <b>ZS2303860</b>      | <b>147,77</b> |
| 40           | 1/2" BSP        | 2"     | 2" 1/2 12h UN  | <b>NEW</b>      |  | <b>ZS2305021</b>      | <b>176,73</b> |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Straight adaptor male BSP - swivel female JIC 37°

Racor macho BSP - hembra giratoria JIC 37°

Adapter DKJ-AGR

Adapteur mâle BSP - femelle tournante JIC 37°



| TUBO<br>PIPE |        |            | ROSCA<br>THREAD |         | Referencia<br>Part n° | €      |
|--------------|--------|------------|-----------------|---------|-----------------------|--------|
| 6            | 1/4"   | 1/8" BSP   | 7/16"           | 20h UNF | ZS1800610             | 19,28  |
| 8            | 5/16"  | 1/4" BSP   | 1/2"            | 20h UNF | ZS1800813             | 20,74  |
| 10           | 3/8"   | 1/4" BSP   | 9/16"           | 18h UNF | ZS1801013             | 19,72  |
| 10           | 3/8"   | 3/8" BSP   | 9/16"           | 18h UNF | ZS1801017             | 25,39  |
| 10           | 3/8"   | 1/2" BSP   | 9/16"           | 18h UNF | ZS1801021             | 29,97  |
| 12           | 1/2"   | 3/8" BSP   | 3/4"            | 16h UNF | ZS1801217             | 25,22  |
| 14-15-16     | 5/8"   | 1/2" BSP   | H 3/4"          | 16h UNF | ZS1801221             | 33,38  |
| 14-15-16     | 5/8"   | 1/2" BSP   | 7/8"            | 14h UNF | ZS1801621             | 31,04  |
| 18-20        | 3/4"   | 3/4" BSP   | 1" 1/16         | 12h UNF | ZS1802026             | 46,32  |
| 25           | 1"     | 1" BSP     | 1" 5/16         | 12h UNF | ZS1802533             | 65,35  |
| 30-32        | 1" 1/4 | 1" 1/4 BSP | 1" 5/8          | 12h UNF | ZS1803242             | 96,40  |
| 38           | 1" 1/2 | 1" 1/2 BSP | 1" 7/8          | 12h UNF | ZS1803848             | 142,22 |

## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

### Straight adaptor male JIC 37° - male BSPT

Racor macho JIC 37° - macho BSPT

Gerade Einschraubverschr. AGJ-AGR KEGEL

Adapteur mâle JIC 37° - mâle BSPT



### Adaptor male JIC - swivel female JIC

Adaptador Macho JIC - hembra giratoria JIC 37°

JIC m - w Ü-Mutter JIC

Adapteur mâle JIC x femelle tournante JIC



| TUBO<br>PIPE | ROSCA<br>THREAD |                | Referencia<br>Part n° | €                      |
|--------------|-----------------|----------------|-----------------------|------------------------|
| 6            | 1/4"            | 7/16" 20h UNF  | 1/8" BSPT             | <b>ZS2100610 13,46</b> |
| 6            | 1/4"            | 7/16" 20h UNF  | 1/4" BSPT             | <b>ZS2100613 11,29</b> |
| 8            | 5/16"           | 1/2" 20h UNF   | 1/8" BSPT             | <b>ZS2100810 11,91</b> |
| 8            | 5/16"           | 1/2" 20h UNF   | 1/4" BSPT             | <b>ZS2100813 13,21</b> |
| 8            | 5/16"           | 1/2" 20h UNF   | 3/8" BSPT             | <b>ZS2100817 14,34</b> |
| 10           | 3/8"            | 9/16" 18h UNF  | 1/4" BSPT             | <b>ZS2101013 15,34</b> |
| 10           | 3/8"            | 9/16" 18h UNF  | 3/8" BSPT             | <b>ZS2101017 15,18</b> |
| 10           | 3/8"            | 9/16" 18h UNF  | 1/2" BSPT             | <b>ZS2101021 19,68</b> |
| 12           | 1/2"            | 3/4" 16h UNF   | 1/4" BSPT             | <b>ZS2101213 20,07</b> |
| 12           | 1/2"            | 3/4" 16h UNF   | 3/8" BSPT             | <b>ZS2101217 18,68</b> |
| 12           | 1/2"            | 3/4" 16h UNF   | 1/2" BSPT             | <b>ZS2101221 20,55</b> |
| 12           | 1/2"            | 3/4" 12h UNF   | 3/4" BSPT             | <b>ZS2101226 23,50</b> |
| 14-15-16     | 5/8"            | 7/8" 14h UNF   | 3/8" BSPT             | <b>ZS2101617 23,38</b> |
| 14-15-16     | 5/8"            | 7/8" 14h UNF   | 1/2" BSPT             | <b>ZS2101621 23,43</b> |
| 14-15-16     | 5/8"            | 7/8" 14h UNF   | 3/4" BSPT             | <b>ZS2101626 25,65</b> |
| 18-20        | 3/4"            | 1" 1/16 12h UN | 1/2" BSPT             | <b>ZS2102021 24,85</b> |
| 18-20        | 3/4"            | 1" 1/16 12h UN | 3/4" BSPT             | <b>ZS2102026 24,69</b> |
| 18-20        | 3/4"            | 1" 1/16 12h UN | 1" BSPT               | <b>ZS2102033 41,14</b> |
| 25           | 1"              | 1" 5/16 12h UN | 3/4" BSPT             | <b>ZS2102526 43,60</b> |
| 25           | 1"              | 1" 5/16 12h UN | 1" BSPT               | <b>ZS2102533 42,07</b> |
| 30-32        | 1" 1/4          | 1" 5/8 12h UN  | 1" BSPT               | <b>ZS2103233 60,72</b> |
| 30-32        | 1" 1/4          | 1" 5/8 12h UN  | 1 1/4" BSPT           | <b>ZS2103242 63,97</b> |
| 38           | 1" 1/2          | 1" 7/8 12h UN  | 1 1/2" BSPT           | <b>ZS2103848 83,50</b> |

| TUBO<br>PIPE | ROSCA<br>THREAD |                | Referencia<br>Part n° | €                      |
|--------------|-----------------|----------------|-----------------------|------------------------|
| 6            | 1/4"            | 7/16" 20 UNF   | 7/16" 20 UNF          | <b>ZS7400606 17,01</b> |
| 8            | 5/16"           | 1/2" 20 UNF    | 1/2" 20 UNF           | <b>ZS7400808 17,47</b> |
| 10           | 3/8"            | 9/16" 18 UNF   | 9/16" 18 UNF          | <b>ZS7401010 20,90</b> |
| 12           | 1/2"            | 3/4" 16 UNF    | 3/4" 16 UNF           | <b>ZS7401212 24,40</b> |
| 14-15-16     | 5/8"            | 7/8" 14 UNF    | 7/8" 14 UNF           | <b>ZS7401616 27,86</b> |
| 18-20        | 3/4"            | 1" 1/16 12 UNF | 1" 1/16 12 UNF        | <b>ZS7402020 40,63</b> |
| 25           | 1"              | 1" 5/16 12 UNF | 1" 5/16 12 UNF        | <b>ZS7402525 52,87</b> |

### Straight adaptor male JIC 37° - fixed female NPT

Racor macho JIC 37° - hembra fija NPT

Gerade Einschraubverschr. m JIC 37° - w fest NPT

Adapteur mâle JIC 37° - femelle fixe NPT



| TUBO<br>PIPE | ROSCA<br>THREAD |                 | Referencia<br>Part n° | €                           |
|--------------|-----------------|-----------------|-----------------------|-----------------------------|
| 6            | 1/4"            | 7/16"-20h UNF   | 1/8" NPT              | <b>ZS2950610 17,01</b>      |
| 6            | 1/4"            | 7/16"-20h UNF   | 1/4" NPT              | <b>ZS2950613 23,18</b>      |
| 6            | 3/8"            | 7/16"-20h UNF   | 3/8" NPT              | <b>NEW ZS2950617 36,76</b>  |
| 6            | 1/2"            | 7/16"-20h UNF   | 1/2" NPT              | <b>NEW ZS2950621 39,01</b>  |
| 8            | 5/16"           | 1/2"-20h UNF    | 1/4" NPT              | <b>ZS2950813 23,67</b>      |
| 8            | 5/16"           | 1/2"-20h UNF    | 3/8" NPT              | <b>ZS2950817 28,50</b>      |
| 10           | 3/8"            | 9/16"-20h UNF   | 1/4" NPT              | <b>ZS2951013 28,32</b>      |
| 10           | 3/8"            | 9/16"-20h UNF   | 3/8" NPT              | <b>ZS2951017 28,40</b>      |
| 10           | 1/2"            | 9/16"-20h UNF   | 1/2" NPT              | <b>NEW ZS2951021 40,39</b>  |
| 12           | 1/2"            | 3/4"-20h UNF    | 1/4" NPT              | <b>ZS2951213 23,30</b>      |
| 12           | 1/2"            | 3/4"-20h UNF    | 3/8" NPT              | <b>ZS2951217 21,00</b>      |
| 12           | 1/2"            | 3/4"-20h UNF    | 1/2" NPT              | <b>ZS2951221 29,35</b>      |
| 14-15-16     | 5/8"            | 7/8"-14h UNF    | 1/2" NPT              | <b>ZS2951621 33,63</b>      |
| 18-20        | 3/4"            | 1" 1/16-12h UNF | 3/4" NPT              | <b>ZS2952026 39,41</b>      |
| 18-20        | 3/4"            | 1" 1/16-12h UNF | 1" NPT                | <b>ZS2952033 55,21</b>      |
| 25           | 1"              | 1" 5/16-12 UNF  | 3/4" NPT              | <b>NEW ZS2952526 45,11</b>  |
| 25           | 1"              | 1" 5/16-12 UNF  | 1" NPT                | <b>ZS2952533 51,12</b>      |
| 25           | 1"              | 1" 5/16-12 UN   | 1" 1/4 NPT            | <b>ZS2952542 74,98</b>      |
| 30-32        | 1" 1/4          | 1" 5/8-12h UNF  | 1" NPT                | <b>NEW ZS2953233 56,83</b>  |
| 30-32        | 1" 1/4          | 1" 5/8-12h UNF  | 1" 1/4 NPT            | <b>ZS2953242 75,73</b>      |
| 38           | 1" 1/2          | 1" 7/8 12h UN   | 1" 1/2 NPT            | <b>NEW ZS2953842 82,43</b>  |
| 38           | 1 1/2           | 1" 7/8-12h UNF  | 1" 1/2 NPT            | <b>ZS2953848 90,05</b>      |
| 50           | 2" 1/2          | 2" 1/2 12h UNF  | 2" NPT                | <b>NEW ZS2955060 220,28</b> |

## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adpteurs JIC 37°

### Reducer adaptor male JIC 37° - swivel female JIC 37°

Racor reducción macho JIC 37° - hembra giratoria JIC 37°

Reduziernippel m - w Ü-Mutter JIC 37°

Adpteur réduction mâle JIC 37° - femelle tournante JIC 37°



| ROSCA (H)<br>THREAD (F) | ROSCA (M)<br>THREAD (M) | TUBO (H)<br>PIPE (F) | TUBO (M)<br>PIPE (M) | Referencia<br>Part n° | €     |
|-------------------------|-------------------------|----------------------|----------------------|-----------------------|-------|
| 9/16" 18h UNF           | 7/16" 20h UNF           | 10                   | 6                    | ZS2911006             | 16,99 |
| 9/16" 18h UNF           | 3/4" 16h UNF            | 10                   | 12                   | ZS2911012             | 33,26 |
| 9/16" 18h UNF           | 7/8" 14h UNF            | 10                   | 14-15-16             | ZS2911016             | 27,82 |
| 3/4" 16h UNF            | 7/16" 20h UNF           | 12                   | 6                    | ZS2911206             | 19,48 |
| 3/4" 16h UNF            | 1/2" 20h UNF            | 12                   | 8                    | ZS2911208             | 20,62 |
| 3/4" 16h UNF            | 9/16" 18h UNF           | 12                   | 10                   | ZS2911210             | 24,72 |
| 3/4" 16h UNF            | 1" 1/16 12h UN          | 12                   | 18-20                | ZS2911220             | 37,19 |
| 3/4" 16h UNF            | 1" 5/16 12h UN          | 12                   | 25                   | ZS2911225             | 41,61 |
| 7/8" 14h UNF            | 7/16" 20h UNF           | 14-15-16             | 6                    | ZS2911606             | 21,55 |
| 7/8" 14h UNF            | 9/16" 18h UNF           | 14-15-16             | 10                   | ZS2911610             | 25,54 |
| 7/8" 14h UNF            | 1" 1/16 12h UN          | 14-15-16             | 18-20                | ZS2911620             | 34,12 |
| 1" 1/16 12h UN          | 7/16" 20h UNF           | 18-20                | 6                    | ZS2912006             | 32,87 |
| 1" 1/16 12h UN          | 9/16" 18h UNF           | 18-20                | 10                   | ZS2912010             | 29,80 |
| 1" 1/16 12h UN          | 3/4" 16h UNF            | 18-20                | 12                   | ZS2912012             | 27,84 |
| 1" 5/16 12h UN          | 1" 1/16 12h UN          | 25                   | 18-20                | ZS2912520             | 52,59 |
| 1" 5/8 12h UN           | 7/8" 14h UNF            | 32                   | 16                   | ZS2913216             | 74,77 |
| 1" 5/8 12h UN           | 1" 5/16 12h UN          | 32                   | 20                   | ZS2913220             | 69,29 |
| 1" 5/8 12h UN           | 1" 5/16 12h UN          | 30-32                | 25                   | ZS2913225             | 75,99 |
| 1" 7/8 14h UNF          | 1" 5/8 12h UN           | 38                   | 32                   | <b>NEW</b> ZS2913832  | 86,48 |

Material could be delivered with loose or crimped nut / Pueden ser suministradas con tuerca libre o prensada / Material could be delivered with loose or crimped nut / Peut être livrée avec écrou libre ou pré-serti

### Reducer adaptor male JIC 37° - fixed female JIC 37°

Racor reducción macho JIC 37 - hembra fija JIC 37°

Reduzieranschlüsse m - w JIC 37°

Adpteur réduction mâle JIC 37° - femelle fixe JIC 37°



| TUBO (H)<br>PIPE (F) | TUBO (M)<br>PIPE (M) | ROSCA (H)<br>THREAD (F) | ROSCA (M)<br>THREAD (M) | Referencia<br>Part n° | €      |
|----------------------|----------------------|-------------------------|-------------------------|-----------------------|--------|
| 6                    | 8                    | 7/16" 20h UNF           | 1/2" 20h UNF            | ZS2900608             | 17,47  |
| 6                    | 10                   | 7/16" 20h UNF           | 9/16" 18 UNF            | ZS2900610             | 21,20  |
| 6                    | 12                   | 7/16" 20h UNF           | 3/4" 16h UNF            | ZS2900612             | 27,98  |
| 6                    | 25                   | 7/16" 20h UNF           | 1" 5/16 12h UN          | ZS2900625             | 43,34  |
| 8                    | 14-15-16             | 1/2" 20h UNF            | 7/8" 14h UNF            | ZS2900816             | 24,68  |
| 8                    | 18-20                | 1/2" 20h UNF            | 1" 1/16 12h UN          | ZS2900820             | 39,07  |
| 8                    | 25                   | 1/2" 20h UNF            | 1" 5/16 12h UN          | ZS2900825             | 41,84  |
| 10                   | 8                    | 9/16" 18h UNF           | 1/2" 20h UNF            | ZS2901008             | 23,69  |
| 10                   | 25                   | 9/16" 18h UNF           | 1" 5/16 12h UN          | ZS2901025             | 42,23  |
| 12                   | 30-32                | 3/4" 16h UNF            | 1" 5/8 12h UN           | ZS2901232             | 63,98  |
| 12                   | 38                   | 3/4" 16h UNF            | 1" 7/8 12h UN           | ZS2901238             | 83,97  |
| 14-15-16             | 12                   | 7/8" 14h UNF            | 3/4" 16h UNF            | ZS2901612             | 28,29  |
| 14-15-16             | 25                   | 7/8" 14h UNF            | 1" 5/16 12h UN          | ZS2901625             | 49,81  |
| 14-15-16             | 30-32                | 7/8" 14h UNF            | 1" 5/8 12h UN           | ZS2901632             | 67,00  |
| 14-15-16             | 38                   | 7/8" 14h UNF            | 1" 7/8 12h UN           | ZS2901638             | 81,13  |
| 18-20                | 30-32                | 1" 1/16 12h UN          | 1" 5/16 12h UN          | ZS2902025             | 48,37  |
| 18-20                | 30-32                | 1" 1/16 12h UN          | 1" 5/8 12h UN           | ZS2902032             | 69,78  |
| 25                   | 30-32                | 1" 5/16 12h UN          | 1" 5/8 12h UN           | ZS2902532             | 73,24  |
| 25                   | 38                   | 1" 5/16 12h UN          | 1" 7/8 12h UN           | ZS2902538             | 78,14  |
| 38                   | 30-32                | 1" 7/8 12h UN           | 1" 5/8 12h UN           | ZS2903832             | 122,64 |



# Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adpteurs JIC 37°

## Straight adaptor swivel female JIC 37° - male NPT pipe

Hembra giratoria JIC 37° - macho NPT

Dichtkopf mit Ü-Mutter JIC 37° - NPT m

Adpteur femelle tournante JIC 37° - mâle NPT



## Straight adaptor swivel female JIC 37°

Racor hembra giratoria - hembra giratoria JIC 37°

Adapter JIC 37° W mit Ü-Muttern

Adpteur femelle tournante JIC 37°



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €      |
|-----------------|------------|-----------------------|--------|
| 7/16"-20h UNF   | 1/4" NPT   | ZS1850613             | 23,72  |
| 9/16"-18h UNF   | 3/8" NPT   | ZS1851017             | 23,29  |
| 3/4"-16h UNF    | 3/8" NPT   | ZS1851217             | 23,28  |
| 3/4"-16h UNF    | 1/2" NPT   | ZS1851221             | 34,08  |
| 7/8"-14h UNF    | 1/2" NPT   | ZS1851621             | 31,34  |
| 1"1/16-12h UNF  | 3/4" NPT   | ZS1852026             | 35,40  |
| 1"5/16-12h UNF  | 1" NPT     | ZS1852533             | 62,60  |
| 1" 7/8-12h UN   | 1" 1/2 NPT | ZS1853848             | 119,06 |

| TUBO<br>PIPE |       | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-------|-----------------|-----------------------|--------|
| 6            | 1/4"  | 7/16" 20h UNF   | ZS73006               | 20,52  |
| 8            | 5/16" | 1/2" 20h UNF    | ZS73008               | 20,85  |
| 10           | 3/8"  | 9/16" 18h UNF   | ZS73010               | 22,98  |
| 12           | 1/2"  | 3/4" 16h UNF    | ZS73012               | 24,20  |
| 14-15-16     | 5/8"  | 7/8" 14h UNF    | ZS73016               | 29,99  |
| 18-20        | 3/4"  | 1"1/16 12h UN   | ZS73020               | 46,31  |
| 25           | 1"    | 1"5/16 12h UN   | ZS73025               | 62,46  |
| 32           | 1"1/4 | 1"5/8 12h UN    | ZS73032               | 114,10 |
| 38           | 1"1/2 | 1"7/8 12h UN    | ZS73038               | 133,03 |

## FKM green o'ring for Metric thread

Juntas tóricas FKM verde para macho Métrico

O-Ringe FKM grün für metr. Verb.

Joint torique FKM vert pour filetage métrique



| ROSCA<br>THREAD | Referencia<br>Part n° | €    |
|-----------------|-----------------------|------|
| M10x1           | JVMET10               | 0,24 |
| M14x1.5         | JVMET14               | 0,33 |
| M16x1.5         | JVMET16               | 0,38 |
| M18x1.5         | JVMET18               | 0,47 |
| M22x1.5         | JVMET22               | 0,55 |
| M27x2           | JVMET27               | 0,72 |
| M33x2           | JVMET33               | 1,74 |
| M42x2           | JVMET42               | 3,29 |
| M50x2           | JVMET50               | 1,52 |

## FKM green o'ring for BSP thread

Juntas tóricas FKM verde para macho BSP

O-Ringe FKM grün für BSP

Joint torique FKM vert pour mâle BSP



| ROSCA<br>THREAD | Referencia<br>Part n° | €    |
|-----------------|-----------------------|------|
| 1/8" BSP        | JVMBSP02              | 0,27 |
| 1/4" BSP        | JVMBSP04              | 0,37 |
| 3/8" BSP        | JVMBSP06              | 0,46 |
| 1/2" BSP        | JVMBSP08              | 0,66 |
| 3/4" BSP        | JVMBSP12              | 0,72 |
| 1" BSP          | JVMBSP16              | 1,58 |
| 1"1/4 BSP       | JVMBSP20              | 2,00 |
| 1"1/2 BSP       | JVMBSP24              | 2,25 |
| 2" BSP          | JVMBSP32              | 3,34 |

## FKM green o'ring for UNF thread

Juntas tóricas FKM verde para rosca UNF

O- Ringe FKM grün für UNF

Joint torique FKM vert pour filetage UNF



| ROSCA<br>THREAD | Referencia<br>Part n° | €    |
|-----------------|-----------------------|------|
| 7/16" UNF       | JVUNF06               | 0,36 |
| 1/2" UNF        | JVUNF08               | 0,62 |
| 9/16" UNF       | JVUNF10               | 0,94 |
| 3/4" UNF        | JVUNF12               | 0,88 |
| 7/8" UNF        | JVUNF16               | 1,14 |
| 1" 1/16 UNF     | JVUNF20               | 1,33 |
| 1"5/16 UNF      | JVUNF25               | 3,21 |
| 1" 5/8 UNF      | JVUNF32               | 5,14 |
| 1" 7/8 UNF      | JVUNF38               | 4,15 |

## FKM green o'ring for JIC male thread

Juntas para Macho JIC FKM verde

Dichtungen für Außengewinde JIC 37° FKM grün

Joint FKM vert pour mâle JIC



| ROSCA<br>THREAD | Referencia<br>Part n° | €    |
|-----------------|-----------------------|------|
| 7/16" 20h UNF   | JTVJIC07              | 0,18 |
| 9/16" 18h UNF   | JTVJIC09              | 0,18 |
| 3/4" 16h UNF    | JTVJIC12              | 0,22 |
| 1"1/16 12h UNF  | JTVJIC17              | 0,29 |
| 1" 5/16 12h UN  | JTVJIC21              | 0,29 |
| 1"5/8 12h UNF   | JTVJIC26              | 0,40 |

## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

### 90° Elbow male - male JIC 37°

Codo 90° macho - macho JIC 37°

90° Winkel AGJ-AGJ

Coude 90° mâle - mâle JIC 37°



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|---------------|-----------------|-----------------------|--------|
| 6 1/4"        | 7/16" 20h UNF   | ZS50006               | 22,20  |
| 8 5/16"       | 1/2" 20h UNF    | ZS50008               | 24,06  |
| 10 3/8"       | 9/16" 18h UNF   | ZS50010               | 21,41  |
| 12 1/2"       | 3/4" 16h UNF    | ZS50012               | 37,67  |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS50016               | 57,91  |
| 18-20 3/4"    | 1" 1/16 12h UN  | ZS50020               | 62,43  |
| 25 1"         | 1"5/16 12h UN   | ZS50025               | 76,74  |
| 30-32 1"1/4   | 1"5/8 12h UN    | ZS50032               | 116,96 |
| 38 1"1/2      | 1"7/8 12h UN    | ZS50038               | 206,90 |

### 90° Elbow swivel female JIC 37° - male JIC 37°

Codo 90° macho JIC 37° - hembra giratoria JIC 37°

90° Winkel DKJ-AGJ

Coude 90° mâle JIC 37° - femelle tournante JIC 37°



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|---------------|-----------------|-----------------------|--------|
| 6 1/4"        | 7/16" 20h UNF   | ZS67506               | 26,79  |
| 8 5/16"       | 1/2" 20h UNF    | ZS67508               | 28,88  |
| 10 3/8"       | 9/16" 18h UNF   | ZS67510               | 32,32  |
| 12 1/2"       | 3/4" 16h UNF    | ZS67512               | 41,48  |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS67516               | 46,76  |
| 18-20 3/4"    | 1" 1/16 12h UNF | ZS67520               | 72,25  |
| 25 1"         | 1"5/16 12h UNF  | ZS67525               | 127,04 |
| 30-32 1"1/4   | 1"5/8 12h UNF   | ZS67532               | 141,25 |
| 38 1"1/2      | 1"7/8 12h UNF   | ZS67538               | 183,13 |

### 90° Elbow male JIC 37° - fixed female NPT

Codo 90° macho JIC 37° - hembra fija NPT

90° Winkel m JIC 37° - w fest NPT

Coude 90° JIC 37° - femelle fixe NPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 6 1/4"       | 7/16" 20h UNF   | ZS7000613             | 38,22  |
| 10 3/8"      | 9/16" 18h UNF   | ZS7001017             | 40,52  |
| 12 1/2"      | 3/4" 16h UNF    | ZS7001221             | 65,91  |
| 18-20 3/4"   | 1" 1/16 12h UNF | ZS7002026             | 87,92  |
| 25 1"        | 1"5/16 12h UNF  | ZS7002533             | 158,55 |

### 90° Elbow male - male JIC 37° with o'ring

Codo 90° macho - macho JIC 37° con junta

90° Winkel m - m JIC 37° mit Dichtung

Coude 90° mâle - mâle JIC 37° avec o'ring



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|---------------|-----------------|-----------------------|--------|
| 6 1/4"        | 7/16" 20h UNF   | ZS500060R             | 38,63  |
| 8 5/16"       | 1/2" 20h UNF    | ZS500080R             | 41,85  |
| 10 3/8"       | 9/16" 18h UNF   | ZS500100R             | 43,76  |
| 12 1/2"       | 3/4" 16h UNF    | ZS500120R             | 50,62  |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS500160R             | 71,72  |
| 18-20 3/4"    | 1" 1/16 12h UN  | ZS500200R             | 96,56  |
| 25 1"         | 1"5/16 12h UN   | ZS500250R             | 139,72 |
| 30-32 1" 1/4  | 1"5/8 12h UN    | ZS500320R             | 171,69 |
| 38 1" 1/2     | 1"7/8 12h UN    | ZS500380R             | 296,38 |

### 90° Bulkhead elbow male - male JIC 37°

Codo 90° pasatabiques macho - macho JIC 37°

90° Schottverschraubung m - m JIC 37°

Coude 90° passe cloison mâle-mâle JIC 37°



| TUBO<br>PIPE  | ROSCA<br>THREAD  | Referencia<br>Part n° | €      |
|---------------|------------------|-----------------------|--------|
| 6 1/4"        | 7/16" - 20h UNF  | ZS65006               | 58,62  |
| 8 5/16"       | 1/2" - 20h UNF   | ZS65008               | 65,44  |
| 10 3/8"       | 9/16" - 18h UNF  | ZS65010               | 65,26  |
| 12 1/2"       | 3/4" - 16h UNF   | ZS65012               | 83,84  |
| 14-15-16 5/8" | 7/8" - 14h UNF   | ZS65016               | 101,72 |
| 18-20 3/4"    | 1" 1/16 - 12h UN | ZS65020               | 159,26 |
| 25 1"         | 1" 5/16 - 12h UN | ZS65025               | 180,69 |

### 90° Adjustable stud elbow male JIC 37° - male BSP

Codo 90° regulable macho JIC 37° - macho BSP

90° Winkel einstellbar m JIC 37° - m BSP

Coude 90° orientable mâle JIC 37° - mâle BSP



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|---------------|-----------------|-----------------------|--------|
| 6 1/4"        | 7/16" 20h UNF   | ZS5700613             | 26,68  |
| 6 1/4"        | 1/2" 20h UNF    | ZS5700813             | 31,71  |
| 10 3/8"       | 9/16" 18h UNF   | ZS5701013             | 45,32  |
| 10 3/8"       | 9/16" 18h UNF   | ZS5701017             | 46,04  |
| 12 1/2"       | 3/4" 20h UNF    | ZS5701217             | 52,67  |
| 12 1/2"       | 3/4" 16h UNF    | ZS5701221             | 60,55  |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS5701621             | 68,55  |
| 18-20 3/4"    | 1" 1/16 12h UN  | ZS5702026             | 100,45 |
| 25 1"         | 1"5/16 12h UN   | ZS5702533             | 152,10 |
| 30-32 1" 1/4  | 1 5/8 12H UN    | ZS5703242             | 474,59 |
| 38 1" 1/2     | 1"7/8 12h UN    | ZS5703848             | 671,70 |

# Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adpteurs JIC 37°

## 90° Adjustable elbow male O'Ring Boss -male JIC 37°

Codo 90° regulable macho O'Ring Boss - macho JIC 37

90° Winkel einstellbar m O'Ring Boss - m JIC 37°

Coude 90° orientable mâle O'Ring Boss - mâle JIC 37°



| TUBO<br>PIPE |       | ROSCA<br>THREAD |               | Referencia<br>Part n° | € |
|--------------|-------|-----------------|---------------|-----------------------|---|
| 6            | 1/4"  | 7/16"-20h UNF   | 7/16"-20h UNF | ZS57506               | * |
| 8            | 5/16" | 1/2"-20h UNF    | 1/2"-20h UNF  | ZS57508               | * |
| 10           | 3/8"  | 9/16"-18h UNF   | 9/16"-18h UNF | ZS57510               | * |
| 12           | 1/2"  | 3/4"-16h UNF    | 3/4"-16h UNF  | ZS57512               | * |
| 14-15-16     | 5/8"  | 7/8"-14h UNF    | 7/8"-14h UNF  | ZS57516               | * |
| 18-20        | 3/4"  | 1"1/16-12h UN   | 1"1/16-12h UN | ZS57520               | * |
| 25           | 1"    | 1"5/16-12h UN   | 1"5/16-12h UN | ZS57525               | * |

\*See prices in p. 186 (O'RING BOSS ADAPTORS) / \*Ver precios en p. 186 (ADAPTADORES O'RING BOSS) / \*Vgl. Sie die Preise auf S.186 (ADAPTER O'RING BOSS) / \*Voir prix à la p. 186 (ADAPTEURS O'RING BOSS)

## 90° Elbow male JIC 37° - male BSPT

Codo 90° macho JIC 37° - macho BSPT

90° Winkel AGJ-AGR KEGEL

Coude 90° mâle JIC 37° - mâle BSPT



| TUBO<br>PIPE |        | ROSCA<br>THREAD |               | Referencia<br>Part n° | €      |
|--------------|--------|-----------------|---------------|-----------------------|--------|
| 6            | 1/4"   | 1/8" BSPT       | 7/16" 20h UNF | ZS5500610             | 29,89  |
| 6            | 1/4"   | 1/4" BSPT       | 7/16" 20h UNF | ZS5500613             | 30,47  |
| 8            | 5/16"  | 1/8" BSPT       | 1/2" 20h UNF  | ZS5500810             | 31,23  |
| 8            | 5/16"  | 1/4" BSPT       | 1/2" 20h UNF  | ZS5500813             | 29,69  |
| 10           | 3/8"   | 1/4" BSPT       | 9/16" 18h UNF | ZS5501013             | 26,60  |
| 10           | 3/8"   | 3/8" BSPT       | 9/16" 18h UNF | ZS5501017             | 36,94  |
| 10           | 3/8"   | 1/2" BSPT       | 9/16" 18h UNF | ZS5501021             | 43,62  |
| 12           | 1/2"   | 1/4" BSPT       | 3/4" 16h UNF  | ZS5501213             | 41,54  |
| 12           | 1/2"   | 3/8" BSPT       | 3/4" 16h UNF  | ZS5501217             | 49,05  |
| 12           | 1/2"   | 1/2" BSPT       | 3/4" 16h UNF  | ZS5501221             | 38,00  |
| 14-15-16     | 5/8"   | 3/8" BSPT       | 7/8" 14h UNF  | ZS5501617             | 48,22  |
| 14-15-16     | 5/8"   | 1/2" BSPT       | 7/8" 14h UNF  | ZS5501621             | 54,23  |
| 14-15-16     | 5/8"   | 3/4" BSPT       | 7/8" 14h UNF  | ZS5501626             | 92,04  |
| 18-20        | 3/4"   | 1/2" BSPT       | 1"1/16 12h UN | ZS5502021             | 62,88  |
| 18-20        | 3/4"   | 3/4" BSPT       | 1"1/16 12h UN | ZS5502026             | 65,78  |
| 25           | 1"     | 3/4" BSPT       | 1"5/16 12h UN | ZS5502526             | 114,92 |
| 25           | 1"     | 1" BSPT         | 1"5/16 12h UN | ZS5502533             | 102,14 |
| 30-32        | 1" 1/4 | 1 1/4" BSPT     | 1"5/8 12h UN  | ZS5503242*            | 184,12 |

\* Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## 90° Elbow male NPT - swivel female JIC 37°

Codo 90° macho NPT - hembra giratoria JIC 37°

90° Winkel m NPT - W mit Ü-Mutter JIC°

Coude 90° mâle NPT - femelle tournante JIC 37°



| ROSCA<br>THREAD |                | Referencia<br>Part n° | €      |
|-----------------|----------------|-----------------------|--------|
| 1/8" NPT        | 7/16"-20h UNF  | ZS5950610             | 30,20  |
| 1/4" NPT        | 1/2"-20h UNF   | ZS5950813             | 33,31  |
| 1/4" NPT        | 9/16"-18h UNF  | ZS5951013             | 34,19  |
| 3/8" NPT        | 3/4"-16h UNF   | ZS5951217             | 46,83  |
| 1/2" NPT        | 7/8"-14h UNF   | ZS5951621             | 61,75  |
| 3/4" NPT        | 1"1/16"-12h UN | ZS5952026             | 94,94  |
| 1" NPT          | 1"5/16"-12h UN | ZS5952533             | 116,45 |

## 90° Elbow male JIC 37° - male NPT

Codo 90° macho JIC 37° - macho NPT

90° Winkel AGJ-AGN

Coude 90° mâle JIC 37° - mâle NPT



| TUBO<br>PIPE |       | ROSCA<br>THREAD |               | Referencia<br>Part n° | €     |
|--------------|-------|-----------------|---------------|-----------------------|-------|
| 6            | 1/4"  | 1/8" NPT        | 7/16" 20h UNF | ZS5250610             | 28,66 |
| 6            | 1/4"  | 1/4" NPT        | 7/16" 20h UNF | ZS5250613             | 26,99 |
| 8            | 5/16" | 1/8" NPT        | 1/2" 20h UNF  | ZS5250810             | 24,50 |
| 8            | 5/16" | 1/4" NPT        | 1/2" 20h UNF  | ZS5250813             | 23,90 |
| 10           | 3/8"  | 1/4" NPT        | 9/16" 18h UNF | ZS5251013             | 22,21 |
| 10           | 3/8"  | 3/8" NPT        | 9/16" 18h UNF | ZS5251017             | 27,54 |
| 10           | 3/8"  | 1/2" NPT        | 9/16" 18h UNF | ZS5251021             | 36,82 |
| 12           | 1/2"  | 1/4" NPT        | 3/4" 16h UNF  | ZS5251213             | 33,92 |
| 12           | 1/2"  | 3/8" NPT        | 3/4" 16h UNF  | ZS5251217             | 38,75 |
| 12           | 1/2"  | 1/2" NPT        | 3/4" 16h UNF  | ZS5251221             | 35,58 |
| 14-15-16     | 5/8"  | 3/8" NPT        | 7/8" 14h UNF  | ZS5251617             | 47,87 |
| 14-15-16     | 5/8"  | 1/2" NPT        | 7/8" 14h UNF  | ZS5251621             | 46,22 |
| 14-15-16     | 5/8"  | 3/4" NPT        | 7/8" 14h UNF  | ZS5251626             | 54,12 |
| 18-20        | 3/4"  | 1/2" NPT        | 1"1/16 12h UN | ZS5252021             | 61,97 |
| 18-20        | 3/4"  | 3/4" NPT        | 1"1/16 12h UN | ZS5252026             | 58,80 |
| 25           | 1"    | 3/4" NPT        | 1"5/16 12h UN | ZS5252526             | 77,58 |
| 25           | 1"    | 1" NPT          | 1"5/16 12h UN | ZS5252533             | 82,51 |

## Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

### 45° Elbow male JIC 37° - swivel female JIC 37°

Codo 45° macho JIC 37° - hembra giratoria JIC 37°

45° Winkel m JIC 37° - w Ü-Mutter JIC 37°

Coude 45° mâle JIC 37° - femelle tournante JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |                | Referencia<br>Part n° | €                     |
|--------------|-----------------|----------------|-----------------------|-----------------------|
| 6            | 1/4"            | 7/16" 20h UNF  | 7/16" 20h UNF         | <b>ZS69006 19,13</b>  |
| 8            | 5/16"           | 1/2" 20h UNF   | 1/2" 20h UNF          | <b>ZS69008 22,51</b>  |
| 10           | 3/8"            | 9/16" 18h UNF  | 9/16" 18h UNF         | <b>ZS69010 24,73</b>  |
| 12           | 1/2"            | 3/4" 16h UNF   | 3/4" 16h UNF          | <b>ZS69012 44,24</b>  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF   | 7/8" 14h UNF          | <b>ZS69016 60,49</b>  |
| 18-20        | 3/4"            | 1" 1/16 12h UN | 1" 1/16 12h UN        | <b>ZS69020 194,09</b> |
| 25           | 1"              | 1" 5/16 12h UN | 1" 5/16 12h UN        | <b>ZS69025 283,64</b> |

### 45° Adjustable stud elbow male - male JIC 37°

Codo 45° regulable macho - macho JIC 37°

45° Winkel JIC 37° m einstellbar - m

Coude 45° orientable mâle - mâle JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |                  | Referencia<br>Part n° | €                     |
|--------------|-----------------|------------------|-----------------------|-----------------------|
| 6            | 1/4"            | 7/16" - 20h UNF  | 7/16" - 20h UNF       | <b>ZS77506 75,45</b>  |
| 8            | 5/16"           | 1/2" - 20h UNF   | 1/2" - 20h UNF        | <b>ZS77508 78,07</b>  |
| 10           | 3/8"            | 9/16" - 18h UNF  | 9/16" - 18h UNF       | <b>ZS77510 71,68</b>  |
| 12           | 1/2"            | 3/4" - 16h UNF   | 3/4" - 16h UNF        | <b>ZS77512 89,30</b>  |
| 14-15-16     | 5/8"            | 7/8" - 14h UNF   | 7/8" - 14h UNF        | <b>ZS77516 162,89</b> |
| 18-20        | 3/4"            | 1" 1/16 - 12h UN | 1" 1/16 - 12h UN      | <b>ZS77520 339,08</b> |

### 45° Elbow male JIC 37° - male NPT pipe

Codo 45° macho JIC 37° - macho NPT

45° Winkel m JIC 37° - m NPT

Coude 45° mâle JIC 37° - mâle NPT



| TUBO<br>PIPE | ROSCA<br>THREAD |          | Referencia<br>Part n° | €                      |
|--------------|-----------------|----------|-----------------------|------------------------|
| 6            | 1/4"            | 1/4" NPT | 7/16" 20h UNF         | <b>ZS7250613 17,34</b> |
| 10           | 3/8"            | 3/8" NPT | 9/16" 18h UNF         | <b>ZS7251017 25,79</b> |
| 12           | 1/2"            | 1/2" NPT | 3/4" 16h UNF          | <b>ZS7251221 39,03</b> |
| 18-20        | 3/4"            | 3/4" NPT | 1" 1/16 12h UN        | <b>ZS7252026 60,55</b> |
| 25           | 1"              | 1" NPT   | 1" 5/16 12h UN        | <b>ZS7252533 77,29</b> |

# Flare fittings JIC 37°

Racores JIC 37°  
JIC - Verbindungen  
Adapteurs JIC 37°

## Union tee male JIC 37°

TE macho - macho - macho JIC 37°

T-Verschraubung AGJ

Té égal mâle JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |               | Referencia<br>Part n° | €      |
|--------------|-----------------|---------------|-----------------------|--------|
| 6            | 1/4"            | 7/16" 20h UNF | ZS50506               | 32,86  |
| 8            | 5/16"           | 1/2" 20h UNF  | ZS50508               | 40,08  |
| 10           | 3/8"            | 9/16" 18h UNF | ZS50510               | 40,46  |
| 12           | 1/2"            | 3/4" 16h UNF  | ZS50512               | 50,42  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF  | ZS50516               | 55,13  |
| 18-20        | 3/4"            | 1"1/16 12h UN | ZS50520               | 77,82  |
| 25           | 1"              | 1"5/16 12h UN | ZS50525               | 111,30 |
| 30-32        | 1" 1/4          | 1"5/8 12h UN  | ZS50532               | 164,98 |
| 38           | 1" 1/2          | 1"7/8 12h UN  | ZS50538               | 253,63 |

## Tee male JIC 37° - male JIC 37° - swivel nut JIC 37°

TE macho - macho - hembra giratoria JIC 37°

Einstellbare T-Anschlußverschraubungen AGJ-AGJ-DKJ

Té mâle JIC 37° - mâle JIC 37° - femelle tournante JIC 37° au latéral



| TUBO<br>PIPE | ROSCA<br>THREAD |               | Referencia<br>Part n° | €      |
|--------------|-----------------|---------------|-----------------------|--------|
| 6            | 1/4"            | 7/16" 20h UNF | ZS68006               | 39,89  |
| 8            | 5/16"           | 1/2" 20h UNF  | ZS68008               | 40,17  |
| 10           | 3/8"            | 9/16" 18h UNF | ZS68010               | 45,02  |
| 12           | 1/2"            | 3/4" 16h UNF  | ZS68012               | 50,91  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF  | ZS68016               | 77,81  |
| 18-20        | 3/4"            | 1"1/16 12h UN | ZS68020               | 95,30  |
| 25           | 1"              | 1"5/16 12h UN | ZS68025               | 138,07 |
| 32           | 1" 1/4          | 1"5/8 12h UN  | ZS68032               | 220,26 |
| 38           | 1" 1/2          | 1"7/8 12h UN  | ZS68038               | 299,62 |

## Tee male JIC 37° - male JIC 37° - male NPT

TE macho JIC 37° - macho JIC 37° - macho NPT

T-Verschraubungen m JIC 37° - m JIC 37° - m NPT

Té mâle JIC 37° - mâle JIC 37° - mâle NPT



| ROSCA<br>THREAD |               |          | Referencia<br>Part n° | €      |
|-----------------|---------------|----------|-----------------------|--------|
| 7/16"-20h UNF   | 7/16"-20h UNF | 1/8" NPT | ZS6300610             | 34,12  |
| 1/2"-20h UNF    | 1/2"-20h UNF  | 1/4" NPT | ZS6300813             | 45,93  |
| 9/16"-18h UNF   | 9/16"-18h UNF | 1/4" NPT | ZS6301013             | 55,26  |
| 3/4"-16h UNF    | 3/4"-16h UNF  | 3/8" NPT | ZS6301217             | 62,49  |
| 7/8"-14h UNF    | 7/8"-14h UNF  | 1/2" NPT | ZS6301621             | 74,32  |
| 1"1/16-12h UN   | 1"1/16-12h UN | 3/4" NPT | ZS6302026             | 111,18 |
| 1"5/16-12h UN   | 1"5/16-12h UN | 1" NPT   | ZS6302533             | 123,35 |

## Union tee male JIC 37° with o'ring

TE macho - macho - macho JIC 37° con junta

T-Verschraubungen m - m - m - JIC 37° mit Dichtung

Té égal mâle JIC 37° avec o'ring



| TUBO<br>PIPE | ROSCA<br>THREAD |               | Referencia<br>Part n° | €      |
|--------------|-----------------|---------------|-----------------------|--------|
| 6            | 1/4"            | 7/16" 20h UNF | ZS505060R             | 52,51  |
| 8            | 5/16"           | 1/2" 20h UNF  | ZS505080R             | 53,79  |
| 10           | 3/8"            | 9/16" 18h UNF | ZS505100R             | 59,65  |
| 12           | 1/2"            | 3/4" 16h UNF  | ZS505120R             | 70,80  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF  | ZS505160R             | 86,83  |
| 18-20        | 3/4"            | 1"1/16 12h UN | ZS505200R             | 121,31 |
| 25           | 1"              | 1"5/16 12h UN | ZS505250R             | 182,08 |
| 30-32        | 1" 1/4          | 1"5/8 12h UN  | ZS505320R             | 226,62 |
| 38           | 1" 1/2          | 1"7/8 12h UN  | ZS505380R             | 346,32 |

## Tee male JIC 37° - swivel nut JIC 37° - male JIC 37°

TE macho - hembra giratoria - macho JIC 37°

Einstellbare T-Anschlußverschraubung AGJ-DKJ-AGJ

Té mâle JIC 37° - femelle tournante JIC 37° - mâle JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |               | Referencia<br>Part n° | €      |
|--------------|-----------------|---------------|-----------------------|--------|
| 6            | 1/4"            | 7/16" 20h UNF | ZS68506               | 39,89  |
| 8            | 5/16"           | 1/2" 20h UNF  | ZS68508               | 40,17  |
| 10           | 3/8"            | 9/16" 18h UNF | ZS68510               | 45,02  |
| 12           | 1/2"            | 3/4" 16h UNF  | ZS68512               | 50,91  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF  | ZS68516               | 77,81  |
| 18-20        | 3/4"            | 1"1/16 12h UN | ZS68520               | 95,30  |
| 25           | 1"              | 1"5/16 12h UN | ZS68525               | 154,30 |
| 32           | 1" 1/4          | 1"5/8 12h UN  | ZS68532               | 220,26 |
| 38           | 1" 1/2          | 1"7/8 12h UN  | ZS68538               | 299,62 |

## Tee male JIC 37° - male NPT - male JIC 37°

TE macho JIC 37° - macho NPT - macho JIC 37°

T-Verschraubungen m JIC 37° - m NPT - m JIC 37°

Té mâle JIC 37° - mâle NPT - mâle JIC 37°



| ROSCA<br>THREAD |          |               | Referencia<br>Part n° | €      |
|-----------------|----------|---------------|-----------------------|--------|
| 7/16"-20h UNF   | 1/8" NPT | 7/16"-20h UNF | ZS6250610             | 42,98  |
| 1/2"-20h UNF    | 1/4" NPT | 1/2"-20h UNF  | ZS6250813             | 46,22  |
| 9/16"-18h UNF   | 1/4" NPT | 9/16"-18h UNF | ZS6251013             | 67,96  |
| 3/4"-16h UNF    | 3/8" NPT | 3/4"-16h UNF  | ZS6251217             | 76,02  |
| 7/8"-14h UNF    | 1/2" NPT | 7/8"-14h UNF  | ZS6251621             | 86,95  |
| 1"1/16-12h UN   | 3/4" NPT | 1"1/16-12h UN | ZS6252026             | 102,98 |
| 1"5/16-12h UN   | 1" NPT   | 1"5/16-12h UN | ZS6252533             | 123,35 |



# DICSA

# TrAle®



Sistema logístico inteligente. Optimizamos tus envíos.  
**Cada día más cerca de ti. Compañía global.**

**Closer to you everyday. Worldwide company.**  
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[www.dicsaes.com](http://www.dicsaes.com)

## **SCH TrΔle® Rigid pipe** | **143**

Tubo TrΔle® SCH  
Rohr SCH  
Tube rigide TrΔle® SCH

## **SCH BUTT WELD fittings** | **144**

Racores SCH - BUTT WELD  
SCH - BW Armaturen  
Raccords SCH - BUTT WELD

## **SOCKET WELD fittings** | **146**

Racores SOCKET WELD  
SOCKET WELD  
Raccords SOCKET WELD

## **SAE Flanges** | **148**

Bridas SAE  
SAE-Flansche  
Brides SAE

## **TrΔle®Clamps** | **155**

Abrazaderas TrΔle®  
Schellen  
Colliers TrΔle®



# 03

## **SCH TRALE® RIGID PIPE/ SCH FITTINGS / SAE FLANGES / CLAMPS**

Tubo rígido TrAle® SCH / Racores SCH / Bidas SAE / Abrazaderas

Rohr SCH / SCH Armaturen/SAE-Flansche/ Schellen

Tube rigide SCH TrAle®/ Embouts SCH/ Bidas SAE / Colliers

## SCH TrΔle® Rigid pipe

Tubo TrΔle® SCH  
Rohr SCH  
Tube rigide TrΔle® SCH

Schedule 10 ▪ Tubo SCH10 ▪ Schedule 10 ▪ Schedule 10 | 143



ZTH10

ZTH10...-3

Schedule 40 ▪ Tubo SCH40 ▪ Schedule 40 ▪ Schedule 40 | 143



ZTH40

ZTH40...-3

# SCH BUTT WELD fittings

Racores SCH - BUTT WELD

SCH - BW Armaturen

Raccords SCH - BUTT WELD

SCH -BW Pipe Fittings ▪ Racores Tubo SCH - BW ▪ SCH - BW Rohrverbindungsstücke ▪ Raccords SCH - BW

144



ZS9010



ZST100



ZSR100



ZSC100



ZS9040



ZST400



ZSR400



ZSC400

CRIMPING FITTINGS  
FOR HOSES

PIPE  
FITTINGS

PIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRALE LOK



SOCKET WELD fittings

Racores SOCKET WELD  
SOCKET WELD  
Raccords SOCKET WELD

SOCKET WELD 3000 fittings ▪ Racores SOCKET WELD 3000 ▪ BUCHSENSCHWEISSEN 3000 Armaturen ▪ Raccords  
SOCKET WELD 3000

146



ZSW390



ZSW3C



ZSW3T



ZSW3CR



ZSW3M

SOCKET WELD 6000 fittings ▪ Racores SOCKET WELD 6000 ▪ BUCHSENSCHWEISSEN 6000 Armaturen ▪ Raccords  
SOCKET WELD 6000

146



ZSW690



ZSW6M

## SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

SAE Flanges for hoses ▪ Bridas para flexibles ▪ Flansche für Schlauch ▪ Brides SAE pour flexibles

148



ZBBP ZBBE ZBCE

Threaded flanges ▪ Bridas roscadas ▪ Gewindeflansche - GF ▪ Brides taraudées

149



ZBBRG ZBCRG ZB90RG

Welding flanges for gas tube ▪ Bridas soldables tubo Gas ▪ Schweißflansche Rohr Gas ▪ Brides à souder pour tube gaz

150



ZBB5G ZBC5G ZB905G

Welding flanges for metric tube ▪ Bridas soldables tubo Métrico ▪ Schweißflansche Rohr metr. ▪ Brides à souder pour tube métrique

151



ZBB5M ZBC5M ZB905M

Blind flanges ▪ Bridas ciegas ▪ Blindflansche ▪ Brides avec obturateur fermé

152



ZBBC ZBCC

Welding adaptors for flanges ▪ Conos soldar ▪ Schweißkegel ▪ Collets à souder

153



ZBSM\*1 ZBSG\*1 ZBSM\*0 ZBSG\*0 ZBSW

Flange accessories ▪ Accesorios bridas ▪ Zubehör für Flansche ▪ Accessoires pour brides

154



ZTB JBR ORING

CRIMPING FITTINGS  
FOR HOSES

PIPE  
FITTINGS

PIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRALE LOK

Complete clamps light serie ▪ Abrazaderas completas serie ligera ▪ Befestigungsschellen komplett - Leichte Serie ▪ Colliers complets série légère

155



Components for clamps light serie ▪ Componentes abrazaderas serie ligera ▪ Komponenten für Rohrschellen Leichte Serie ▪ Composants pour colliers série légère

156



Double clamp - parallel ▪ Dobles / paralelas ▪ Doppel - Parallel ▪ Colliers de fixation doubles

159



Clamps heavy serie ▪ Abrazaderas serie pesada ▪ Rohrschellen Schwere Serie ▪ Colliers série lourde

161



Accessories for clamps ▪ Accesorios abrazaderas ▪ Zubehör Befestigungsschellen ▪ Accessoires pour colliers

162



## SCH TrAle® Rigid pipe

Tubo TrAle® SCH  
Rohr SCH  
Tube rigide TrAle® SCH

### SCH 10 rigid pipe - 6 metres- AISI 316

Tubo rígido SCH10 - AISI 316 - 6 METROS

Rohr - SCH10 - 6 Meter- AISI 316

Tube rigide SCH10 - 6 metres- AISI 316



| DN     | Ø EXT.<br>Ø OUTER | Espesor (mm)<br>Thickness (mm) | Referencia<br>Part n° | €/M    |
|--------|-------------------|--------------------------------|-----------------------|--------|
| 1/2"   | 21.3              | 2.11                           | ZTH10SC008            | 34,47  |
| 3/4"   | 26.7              | 2.11                           | ZTH10SC012            | 45,31  |
| 1"     | 33.4              | 2.77                           | ZTH10SC016            | 65,65  |
| 1" 1/4 | 42.2              | 2.77                           | ZTH10SC020            | 81,17  |
| 1" 1/2 | 48.3              | 2.77                           | ZTH10SC024            | 94,28  |
| 2"     | 60.3              | 2.77                           | ZTH10SC032            | 166,22 |

### SCH 10 rigid pipe - 3 metres - AISI 316

Tubo rígido SCH10 - AISI 316 - 3 METROS

Rohr - SCH10 - 3 Meter- AISI 316

Tube rigide SCH10 - 3 metres - AISI 316



| DN     | Ø EXT.<br>Ø OUTER | Espesor (mm)<br>Thickness (mm) | Referencia<br>Part n° | €/M    |
|--------|-------------------|--------------------------------|-----------------------|--------|
| 1/2"   | 21.3              | 2.11                           | ZTH10SC008-3          | 36,19  |
| 3/4"   | 26.7              | 2.11                           | ZTH10SC012-3          | 47,57  |
| 1"     | 33.4              | 2.77                           | ZTH10SC016-3          | 68,93  |
| 1" 1/4 | 42.2              | 2.77                           | ZTH10SC020-3          | 85,23  |
| 1" 1/2 | 48.3              | 2.77                           | ZTH10SC024-3          | 98,99  |
| 2"     | 60.3              | 2.77                           | ZTH10SC032-3          | 174,54 |

### SCH 40 rigid pipe - 6 meters - AISI 316

Tubo rígido SCH40 - AISI 316 - 6 METROS

Rohr - SCH40 - 6 Meter- AISI 316

Tube rigide SCH40 - 6 metres - AISI 316



| DN     | Ø EXT.<br>Ø OUTER | Espesor (mm)<br>Thickness (mm) | Referencia<br>Part n° | €/M    |
|--------|-------------------|--------------------------------|-----------------------|--------|
| 1/2"   | 21.3              | 2.77                           | ZTH40SC008            | 47,98  |
| 3/4"   | 26.7              | 2.87                           | ZTH40SC012            | 62,82  |
| 1"     | 33.4              | 3.38                           | ZTH40SC016            | 83,90  |
| 1" 1/4 | 42.2              | 3.56                           | ZTH40SC020            | 98,69  |
| 1" 1/2 | 48.3              | 3.68                           | ZTH40SC024            | 125,53 |
| 2"     | 60.3              | 3.91                           | ZTH40SC032            | 190,74 |

### SCH 40 rigid pipe - 3 metres- AISI 316

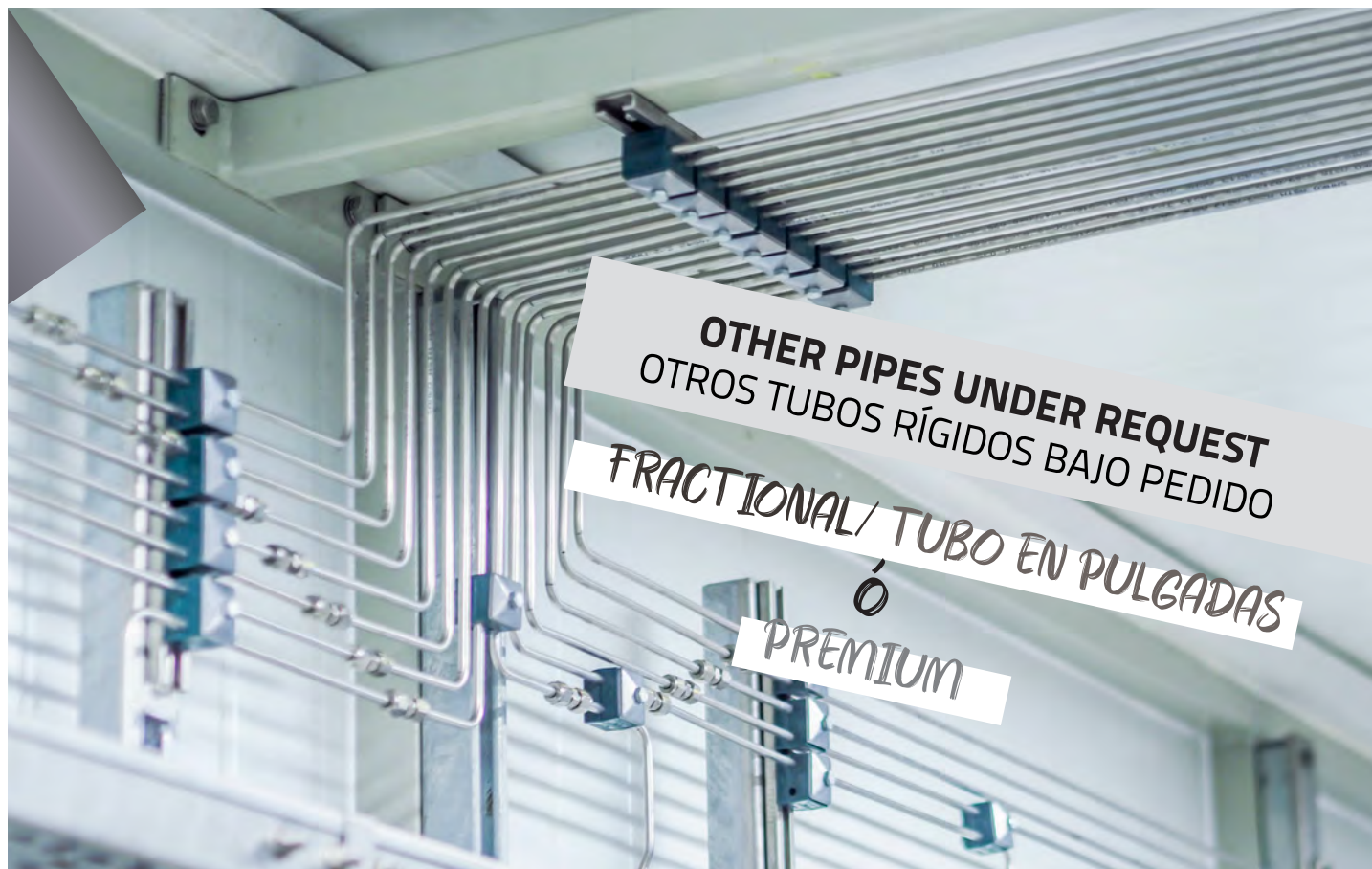
Tubo rígido SCH40 - AISI 316 - 3 METROS

Rohr - SCH40 - 3 Meter- AISI 316

Tube rigide SCH40 - 3 metres- AISI 316



| DN     | Ø EXT.<br>Ø OUTER | Espesor (mm)<br>Thickness (mm) | Referencia<br>Part n° | €/M    |
|--------|-------------------|--------------------------------|-----------------------|--------|
| 1/2"   | 21.3              | 2.77                           | ZTH40SC008-3          | 50,38  |
| 3/4"   | 26.7              | 2.87                           | ZTH40SC012-3          | 65,96  |
| 1"     | 33.4              | 3.38                           | ZTH40SC016-3          | 88,10  |
| 1" 1/4 | 42.2              | 3.56                           | ZTH40SC020-3          | 103,62 |
| 1" 1/2 | 48.3              | 3.68                           | ZTH40SC024-3          | 131,81 |
| 2"     | 60.3              | 3.91                           | ZTH40SC032-3          | 200,28 |



SCH BUTT WELD fittings

Racores SCH - BUTT WELD  
SCH - BW Armaturen  
Raccords SCH - BUTT WELD

Elbow 90 Sch10

Codo 90 SCH10  
Edelstahlbogen 90 Sch10  
Coude 90 Sch10



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/2"   | ZS9010008             | 7,09  |
| 3/4"   | ZS9010012             | 9,03  |
| 1"     | ZS9010016             | 9,40  |
| 1" 1/4 | ZS9010020             | 15,34 |
| 1" 1/2 | ZS9010024             | 18,91 |
| 2"     | ZS9010032             | 24,79 |

Tee Sch10

Te SCH10  
Tee Edelstahl Sch10  
Té Sch10



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/2"   | ZST10008              | 20,13 |
| 3/4"   | ZST10012              | 19,52 |
| 1"     | ZST10016              | 25,23 |
| 1" 1/4 | ZST10020              | 37,01 |
| 1" 1/2 | ZST10024              | 43,41 |
| 2"     | ZST10032              | 70,45 |

Reduction Sch10

Reducción SCH10  
Reduzierung Sch10 Edelstahl  
Réduction Sch10



| DN              | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 3/4" - 1/2"     | ZSR10012008           | 7,34  |
| 1" - 3/4"       | ZSR10016012           | 8,08  |
| 1"1/4 - 1"      | ZSR10020016           | 10,77 |
| 1" 1/2 - 1" 1/4 | ZSR10024020           | 12,12 |
| 2" - 1" 1/2     | ZSR10032024           | 18,51 |

Cap Sch10

Tapón SCH10  
Verschluss Sch10 Edelstahl  
Bouchon Sch 10



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/2"   | ZSC10008              | 8,08  |
| 3/4"   | ZSC10012              | 10,10 |
| 1"     | ZSC10016              | 12,12 |
| 1" 1/4 | ZSC10020              | 12,79 |
| 1" 1/2 | ZSC10024              | 14,14 |
| 2"     | ZSC10032              | 16,83 |



## SCH BUTT WELD fittings

Racores SCH - BUTT WELD

SCH - BW Armaturen

Raccords SCH - BUTT WELD

### Elbow 90 Sch40

Codo 90 SCH40

Edelstahlbogen 90 Sch40

Coude 90 Sch40



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/2"   | ZS9040008             | 7,88  |
| 3/4"   | ZS9040012             | 10,77 |
| 1"     | ZS9040016             | 11,03 |
| 1" 1/4 | ZS9040020             | 16,48 |
| 1" 1/2 | ZS9040024             | 22,85 |
| 2"     | ZS9040032             | 43,33 |

### Tee Sch40

Te Inox SCH40

Tee Edelstahl Sch40

Té Sch40



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/2"   | ZST40008              | 22,90 |
| 3/4"   | ZST40012              | 23,62 |
| 1"     | ZST40016              | 32,43 |
| 1" 1/4 | ZST40020              | 42,86 |
| 1" 1/2 | ZST40024              | 54,50 |
| 2"     | ZST40032              | 86,10 |

### Reduction Sch40

Reducción Inox SCH40

Reduzierung Sch40 Edelstahl

Réduction Sch40



| DN              | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 3/4" - 1/2"     | ZSR40012008           | 8,08  |
| 1" - 3/4"       | ZSR40016012           | 9,76  |
| 1" 1/4 - 1"     | ZSR40020016           | 13,80 |
| 1" 1/2 - 1" 1/4 | ZSR40024020           | 17,50 |
| 2" - 1" 1/2"    | ZSR40032024           | 21,51 |

### Cap Sch40

Tapón Inox SCH40

Verschluss Sch40 Edelstahl

Bouchon Sch40



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/2"   | ZSC40008              | 9,76  |
| 3/4"   | ZSC40012              | 11,44 |
| 1"     | ZSC40016              | 15,15 |
| 1" 1/4 | ZSC40020              | 15,82 |
| 1" 1/2 | ZSC40024              | 16,83 |
| 2"     | ZSC40032              | 19,18 |

CRIMPING FITTINGS  
FOR HOSES

PIPE  
FITTINGS

PIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRALE LOK

SOCKET WELD fittings

Racores SOCKET WELD  
SOCKET WELD  
Raccords SOCKET WELD

SOCKET WELD 3000 fittings Elbow 90

Racores SOCKET WELD 3000 Codo 90

BUCHSENSCHWEISSEN 3000 Armaturen Winkel 90

Raccords SOCKET WELD 3000 Coude 90



| DN     | Referencia<br>Part n° | €      |
|--------|-----------------------|--------|
| 1/2"   | ZSW39008              | 12,97  |
| 3/4"   | ZSW39012              | 18,91  |
| 1"     | ZSW39016              | 29,15  |
| 1" 1/4 | ZSW39020              | 51,21  |
| 1" 1/2 | ZSW39024              | 70,90  |
| 2"     | ZSW39032              | 112,23 |

SOCKET WELD 3000 Cap Fittings

Racores SOCKET WELD 3000 Cap

BUCHSENSCHWEISSEN 3000 Kappenanschlüsse

Raccords à chapeau SOCKET WELD 3000



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/2"  | ZSW3C08               | 7,09  |
| 3/4"  | ZSW3C12               | 12,61 |
| 1"    | ZSW3C16               | 15,76 |
| 1"1/4 | ZSW3C20               | 25,21 |
| 1"1/2 | ZSW3C24               | 29,15 |
| 2"    | ZSW3C32               | 55,15 |

SOCKET WELD 3000 Tee fittings

Racores SOCKET WEL 3000 Te

BUCHSENSCHWEISSEN 3000 T-Stücke

Raccords en T SOCKET WELD 3000



| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1/2"  | ZSW3T08               | 21,64  |
| 3/4"  | ZSW3T12               | 33,46  |
| 1"    | ZSW3T16               | 47,27  |
| 1"1/4 | ZSW3T20               | 66,96  |
| 1"1/2 | ZSW3T24               | 100,42 |
| 2"    | ZSW3T32               | 165,44 |

SOCKET WELD 3000 Cross Fittings

Racores SOCKET WELD 3000 Cruz

BUCHSENSCHWEISSEN 3000 Kreuzstück

Raccords croix SOCKET WELD 3000



| DN    | Referencia<br>Part n° | € |
|-------|-----------------------|---|
| 1/2"  | ZSW3CR08              | * |
| 3/4"  | ZSW3CR12              | * |
| 1"    | ZSW3CR16              | * |
| 1"1/4 | ZSW3CR20              | * |
| 1"1/2 | ZSW3CR24              | * |
| 2"    | ZSW3CR32              | * |

SOCKET WELD 3000 Couplings Fittings

Racores SOCKET WELD 3000 Manguito

BUCHSENSCHWEISSEN 3000 kupplungen  
Armaturen

SOCKET WELD 3000 Accouplements Raccords



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/2"  | ZSW3M08               | 6,85  |
| 3/4"  | ZSW3M12               | 11,47 |
| 1"    | ZSW3M16               | 16,00 |
| 1"1/4 | ZSW3M20               | 24,50 |
| 1"1/2 | ZSW3M24               | 31,01 |
| 2"    | ZSW3M32               | 57,13 |

SOCKET WELD 6000 fittings Elbow 90

Racores SOCKET WELD 6000 Codo 90

BUCHSENSCHWEISSEN 6000 Armaturen Winkel 90

Raccords SOCKET WELD 6000 Coude 90



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/2"  | ZSW69008              | 22,06 |
| 3/4"  | ZSW69012              | 31,51 |
| 1"    | ZSW69016              | 51,21 |
| 1"1/4 | ZSW69020              | 70,90 |

SOCKET WELD 6000 Couplings FittingsFittings

Racores SOCKET WELD 6000 Manguito

BUCHSENSCHWEISSEN 6000 kupplungen  
Armaturen

SOCKET WELD 6000 Accouplements Raccords



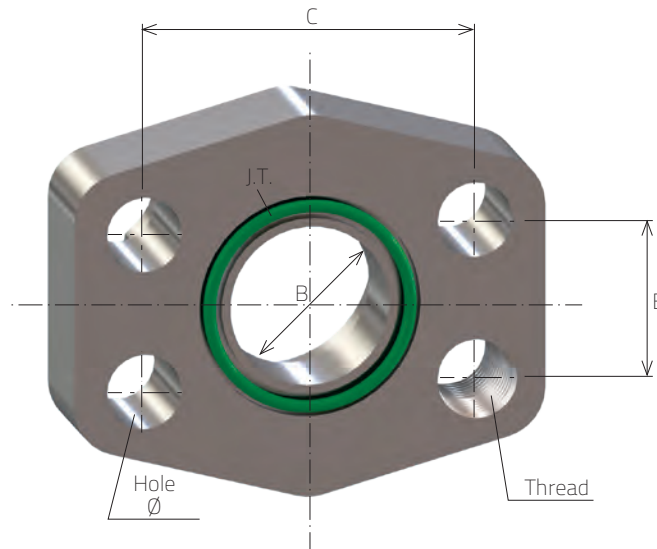
| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/2"  | ZSW6M08               | 14,18 |
| 3/4"  | ZSW6M12               | 17,33 |
| 1"    | ZSW6M16               | 26,00 |
| 1"1/4 | ZSW6M20               | 29,15 |

## SAE FLANGES

Bridas SAE  
SAE-Flansche  
Brides SAE

### Common characteristics

Características comunes  
Allgemeine Eigenschaften  
Données communes



### Flanges 3000 PSI

Bridas 3000 PSI  
Flansche 3000 PSI  
Brides 3000 PSI

| Size   | Max. pre. | B  | C      | E     | O'ring NBR    | PU seal | Ø    | Screw * | Thread |
|--------|-----------|----|--------|-------|---------------|---------|------|---------|--------|
| 1/2"   | 345 bar   | 13 | 38,1   | 17,48 | 18,64 x 3,53  | JBR08   | 9    | TB8X30  | M8     |
| 3/4"   | 345 bar   | 19 | 47,63  | 22,23 | 24,99 x 3,53  | JBR12   | 11   | TB10X35 | M10    |
| 1"     | 345 bar   | 25 | 52,37  | 26,19 | 32,92 x 3,53  | JBR16   | 11   | TB10X35 | M10    |
| 1 1/4" | 276 bar   | 32 | 58,72  | 30,18 | 37,70 x 3,53  | JBR20   | 11,5 | TB10X40 | M10    |
| 1 1/2" | 207 bar   | 38 | 69,85  | 35,71 | 47,22 x 3,53  | JBR24   | 13,5 | TB12X45 | M12    |
| 2"     | 207 bar   | 51 | 77,77  | 42,88 | 56,74 x 3,53  | JBR32   | 13,5 | TB12X45 | M12    |
| 2 1/2" | 172 bar   | 63 | 88,9   | 50,8  | 66,27 x 3,53  |         | 13,5 | TB12X45 | M12    |
| 3"     | 138 bar   | 73 | 106,38 | 61,93 | 85,32 x 3,53  |         | 17,5 | TB16X50 | M16    |
| 3 1/2" | 34 bar    | 89 | 120,65 | 69,85 | 98,02 x 3,53  |         | 17,5 | TB16X50 | M16    |
| 4"     | 34 bar    | 99 | 130,18 | 77,77 | 110,72 x 3,53 |         | 17,5 | TB16X50 | M16    |

### Flanges 6000 PSI

Bridas 6000 PSI  
Flansche 6000 PSI  
Brides 6000 PSI

| Size   | Max. pre. | B  | C     | E     | O'ring NBR   | PU seal | Ø  | Screw * | Thread |
|--------|-----------|----|-------|-------|--------------|---------|----|---------|--------|
| 1/2"   | 414 bar   | 13 | 40,49 | 18,24 | 18,64 x 3,53 | JBR08   | 9  | TB8X30  | M8     |
| 3/4"   | 414 bar   | 19 | 50,8  | 23,8  | 24,99 x 3,53 | JBR12   | 11 | TB10X40 | M10    |
| 1"     | 414 bar   | 25 | 57,15 | 27,76 | 32,92 x 3,53 | JBR16   | 13 | TB12X45 | M12    |
| 1 1/4" | 414 bar   | 32 | 66,68 | 31,75 | 37,70 x 3,53 | JBR20   | 15 | TB14X45 | M14    |
| 1 1/2" | 414 bar   | 38 | 79,38 | 36,5  | 47,22 x 3,53 | JBR24   | 17 | TB16X50 | M16    |
| 2"     | 414 bar   | 51 | 98,82 | 44,45 | 56,74 x 3,53 | JBR32   | 21 | TB20X70 | M20    |

\* Screws are in carbon steel. For Stainless Steel screws, ask for ZTB... part number.  
 Tornillos en acero carbono. Para tornillos en acero inoxidable, pedir ZTB...  
 Die Schrauben sind aus Karbonstahl. Für Edelstahl fragen Sie bitten nach ZTB... Artikelnummern.  
 Les vis sont en acier carbone. Pour vis en acier inoxydable, veuillez demander les références ZTB ...

# SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

## SAE Split flange

Brida partida pasante

Durchgehender Halbflansch

Demi-bride passage total



## SAE counter-flange

Contrabrida roscada

Gewindegegenflansch

Contre-bride passage total



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | € |
|-----------------|-------------------|----------------|-----------------------|---|
| 3000 PSI        | 30.2              | 1/2"           | ZBBP308302            | * |
| 3000 PSI        | 38.1              | 3/4"           | ZBBP312381            | * |
| 3000 PSI        | 44.5              | 1"             | ZBBP316445            | * |
| 3000 PSI        | 50.8              | 1"1/4          | ZBBP320508            | * |
| 3000 PSI        | 60.3              | 1"1/2          | ZBBP324603            | * |
| 3000 PSI        | 71.4              | 2"             | ZBBP332714            | * |
| 3000 PSI        | 84.1              | 2" 1/2         | ZBBP340841            | * |
| 3000 PSI        | 102.4             | 3"             | ZBBP3481024           | * |
| 3000 PSI        | 127               | 4"             | ZBBP364127            | * |
| 6000 PSI        | 31.8              | 1/2"           | ZBBP608318            | * |
| 6000 PSI        | 41.3              | 3/4"           | ZBBP612413            | * |
| 6000 PSI        | 47.6              | 1"             | ZBBP616476            | * |
| 6000 PSI        | 54                | 1"1/4          | ZBBP620540            | * |
| 6000 PSI        | 63.5              | 1"1/2          | ZBBP624635            | * |
| 6000 PSI        | 79.4              | 2"             | ZBBP632794            | * |

| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | € |
|-----------------|-------------------|----------------|-----------------------|---|
| 3000 PSI        | 30,2              | 1/2"           | ZBCE308302            | * |
| 3000 PSI        | 38,1              | 3/4"           | ZBCE312381            | * |
| 3000 PSI        | 44,5              | 1"             | ZBCE316445            | * |
| 3000 PSI        | 50,8              | 1"1/4          | ZBCE320508            | * |
| 3000 PSI        | 60,3              | 1"1/2          | ZBCE324603            | * |
| 3000 PSI        | 71,4              | 2"             | ZBCE332714            | * |
| 6000 PSI        | 31,8              | 1/2"           | ZBCE608318            | * |
| 6000 PSI        | 41,3              | 3/4"           | ZBCE612413            | * |
| 6000 PSI        | 47,6              | 1"             | ZBCE616476            | * |
| 6000 PSI        | 54                | 1"1/4          | ZBCE620540            | * |
| 6000 PSI        | 63,5              | 1"1/2          | ZBCE624635            | * |
| 6000 PSI        | 79,4              | 2"             | ZBCE632794            | * |

\*See prices in p.40 (FITTINGS) / \*Ver precios en p. 40 (CONEXIONES) / \*Vgl. Sie die Preise auf S. 40 (ARMATUREN) / \*Prix à la p.40 (EMBOUTS)

## SAE Flange

Brida entera pasante

Durchgehender Vollflansch

Bride monobloc passage total



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | € |
|-----------------|-------------------|----------------|-----------------------|---|
| 3000 PSI        | 30.2              | 1/2"           | ZBBE308302            | * |
| 3000 PSI        | 38.1              | 3/4"           | ZBBE312381            | * |
| 3000 PSI        | 44.5              | 1"             | ZBBE316445            | * |
| 3000 PSI        | 50.8              | 1"1/4          | ZBBE320508            | * |
| 3000 PSI        | 60.3              | 1"1/2          | ZBBE324603            | * |
| 3000 PSI        | 71.4              | 2"             | ZBBE332714            | * |
| 3000 PSI        | 41                | 2" 1/2         | ZBBE340841            | * |
| 3000 PSI        | 102.4             | 3"             | ZBBE3481024           | * |
| 3000 PSI        | 127               | 4"             | ZBBE364127            | * |
| 6000 PSI        | 31.8              | 1/2"           | ZBBE608318            | * |
| 6000 PSI        | 41.3              | 3/4"           | ZBBE612413            | * |
| 6000 PSI        | 47.6              | 1"             | ZBBE616476            | * |
| 6000 PSI        | 54                | 1"1/4          | ZBBE620540            | * |
| 6000 PSI        | 63.5              | 1"1/2          | ZBBE624635            | * |
| 6000 PSI        | 79.4              | 2"             | ZBBE632794            | * |

\*See prices in p.40 (FITTINGS) / \*Ver precios en p. 40 (CONEXIONES) / \*Vgl. Sie die Preise auf S. 40 (ARMATUREN) / \*Prix à la p.40 (EMBOUTS)

## SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

### BSP Female threaded flange

Brida roscada hembra BSP

Gewindeflansch w BSP

Bride taraudée femelle BSP



| SERIE<br>SERIES | ROSCA<br>THREAD | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-----------------|----------------|-----------------------|--------|
| 3000 PSI        | 1/2" BSP        | 1/2"           | ZBBRG30808            | 29,10  |
| 3000 PSI        | 3/4" BSP        | 3/4"           | ZBBRG31212            | 38,11  |
| 3000 PSI        | 1" BSP          | 1"             | ZBBRG31616            | 47,60  |
| 3000 PSI        | 1 1/4" BSP      | 1 1/4"         | ZBBRG32020            | 60,22  |
| 3000 PSI        | 1 1/2" BSP      | 1 1/2"         | ZBBRG32424            | 91,81  |
| 3000 PSI        | 2" BSP          | 2"             | ZBBRG33232            | 119,37 |
| 3000 PSI        | 2 1/2" BSP      | 2 1/2"         | ZBBRG34040            | 168,34 |
| 3000 PSI        | 3" BSP          | 3"             | ZBBRG34848            | 208,08 |
| 3000 PSI        | 3 1/2" BSP      | 3 1/2"         | ZBBRG35656            | 834,37 |
| 3000 PSI        | 4" BSP          | 4"             | ZBBRG36464            | 902,03 |
| 6000 PSI        | 1/2" BSP        | 1/2"           | ZBBRG60808            | 31,76  |
| 6000 PSI        | 3/4" BSP        | 3/4"           | ZBBRG61212            | 44,38  |
| 6000 PSI        | 1" BSP          | 1"             | ZBBRG61616            | 63,44  |
| 6000 PSI        | 1 1/4" BSP      | 1 1/4"         | ZBBRG62020            | 85,63  |
| 6000 PSI        | 1 1/2" BSP      | 1 1/2"         | ZBBRG62424            | 121,25 |
| 6000 PSI        | 2" BSP          | 2"             | ZBBRG63232            | 217,17 |

### BSP Female threaded counter-flange

Contrabrida roscada hembra BSP

Gewindegegenflansch w BSP

Contre-bride taraudée femelle BSP



| SERIE<br>SERIES | ROSCA<br>THREAD | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-----------------|----------------|-----------------------|--------|
| 3000 PSI        | 1/2" BSP        | 1/2"           | ZBCRG30808            | 30,15  |
| 3000 PSI        | 3/4" BSP        | 3/4"           | ZBCRG31212            | 38,11  |
| 3000 PSI        | 1" BSP          | 1"             | ZBCRG31616            | 47,60  |
| 3000 PSI        | 1 1/4" BSP      | 1 1/4"         | ZBCRG32020            | 60,22  |
| 3000 PSI        | 1 1/2" BSP      | 1 1/2"         | ZBCRG32424            | 95,12  |
| 3000 PSI        | 2" BSP          | 2"             | ZBCRG33232            | 119,37 |
| 3000 PSI        | 2 1/2" BSP      | 2 1/2"         | ZBCRG34040            | 168,34 |
| 3000 PSI        | 3" BSP          | 3"             | ZBCRG34848            | 215,56 |
| 3000 PSI        | 3 1/2" BSP      | 3 1/2"         | ZBCRG35656            | 834,37 |
| 3000 PSI        | 4" BSP          | 4"             | ZBCRG36464            | 902,03 |
| 6000 PSI        | 1/2" BSP        | 1/2"           | ZBCRG60808            | 31,76  |
| 6000 PSI        | 3/4" BSP        | 3/4"           | ZBCRG61212            | 44,38  |
| 6000 PSI        | 1" BSP          | 1"             | ZBCRG61616            | 63,44  |
| 6000 PSI        | 1 1/4" BSP      | 1 1/4"         | ZBCRG62020            | 85,63  |
| 6000 PSI        | 1 1/2" BSP      | 1 1/2"         | ZBCRG62424            | 121,25 |
| 6000 PSI        | 2" BSP          | 2"             | ZBCRG63232            | 217,17 |

### 90° BSP female threaded flange

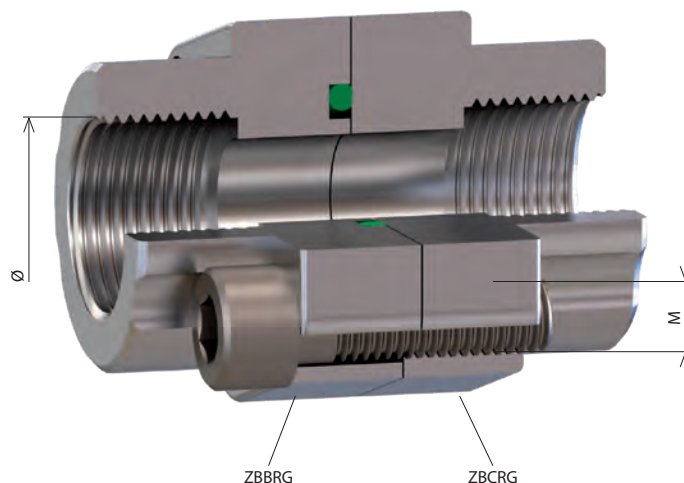
Brida codo 90° roscada hembra BSP

Gewindeflansch Winkel 90° w BSP

Bride 90° taraudée femelle BSP



| SERIE<br>SERIES | ROSCA<br>THREAD | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-----------------|----------------|-----------------------|--------|
| 3000 PSI        | 1/2" BSP        | 1/2"           | ZB90RG30808           | 164,14 |
| 3000 PSI        | 3/4" BSP        | 3/4"           | ZB90RG31212           | 196,56 |
| 3000 PSI        | 1" BSP          | 1"             | ZB90RG31616           | 234,67 |
| 3000 PSI        | 1 1/4" BSP      | 1 1/4"         | ZB90RG32020           | 281,67 |
| 3000 PSI        | 1 1/2" BSP      | 1 1/2"         | ZB90RG32424           | 548,39 |
| 3000 PSI        | 2" BSP          | 2"             | ZB90RG33232           | 741,89 |
| 6000 PSI        | 1/2" BSP        | 1/2"           | ZB90RG60808           | 164,14 |
| 6000 PSI        | 3/4" BSP        | 3/4"           | ZB90RG61212           | 234,67 |
| 6000 PSI        | 1" BSP          | 1"             | ZB90RG61616           | 325,01 |
| 6000 PSI        | 1 1/4" BSP      | 1 1/4"         | ZB90RG62020           | 385,03 |
| 6000 PSI        | 1 1/2" BSP      | 1 1/2"         | ZB90RG62424           | 506,64 |



# SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

## Welding female flange for gas tube

Brida soldable hembra tubo gas

Schweißflansch w Rohr Gas

Bride à souder femelle tube gaz



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 21.6              | 1/2"           | ZBBSG308216           | 30,15  |
| 3000 PSI        | 27.2              | 3/4"           | ZBBSG312272           | 38,11  |
| 3000 PSI        | 34.0              | 1"             | ZBBSG316340           | 47,60  |
| 3000 PSI        | 42.8              | 1 1/4"         | ZBBSG320428           | 60,22  |
| 3000 PSI        | 48.6              | 1 1/2"         | ZBBSG324486           | 95,12  |
| 3000 PSI        | 61.0              | 2"             | ZBBSG332610           | 123,66 |
| 3000 PSI        | 76.6              | 2 1/2"         | ZBBSG340766           | 174,39 |
| 3000 PSI        | 90.5              | 3"             | ZBBSG348905           | 215,56 |
| 3000 PSI        | 103.0             | 3 1/2"         | ZBBSG3561030          | 789,23 |
| 3000 PSI        | 115.5             | 4"             | ZBBSG3641155          | 856,90 |
| 6000 PSI        | 21.6              | 1/2"           | ZBBSG608216           | 31,76  |
| 6000 PSI        | 27.2              | 3/4"           | ZBBSG612272           | 44,38  |
| 6000 PSI        | 34.0              | 1"             | ZBBSG616340           | 63,44  |
| 6000 PSI        | 42.8              | 1 1/4"         | ZBBSG620428           | 85,63  |
| 6000 PSI        | 48.6              | 1 1/2"         | ZBBSG624486           | 121,25 |
| 6000 PSI        | 61.0              | 2"             | ZBBSG632610           | 217,17 |

## 90° welding female flange for gas tube

Brida codo 90° soldable hembra tubo gas

Vorschweißflansch Winkel 90° w Rohr Gas

Bride 90° à souder femelle tube gaz



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 21.6              | 1/2"           | ZB90SG308216          | 180,50 |
| 3000 PSI        | 27.2              | 3/4"           | ZB90SG312272          | 190,48 |
| 3000 PSI        | 34.0              | 1"             | ZB90SG316340          | 227,78 |
| 3000 PSI        | 42.8              | 1 1/4"         | ZB90SG320428          | 273,98 |
| 3000 PSI        | 48.6              | 1 1/2"         | ZB90SG324486          | 377,34 |
| 3000 PSI        | 61.0              | 2"             | ZB90SG332610          | 731,73 |
| 6000 PSI        | 21.6              | 1/2"           | ZB90SG608216          | 251,31 |
| 6000 PSI        | 27.2              | 3/4"           | ZB90SG612272          | 248,54 |
| 6000 PSI        | 34.0              | 1"             | ZB90SG616340          | 273,98 |
| 6000 PSI        | 42.8              | 1 1/4"         | ZB90SG620428          | 377,34 |
| 6000 PSI        | 48.6              | 1 1/2"         | ZB90SG624486          | 496,49 |

## Welding female counter-flange for gas tube

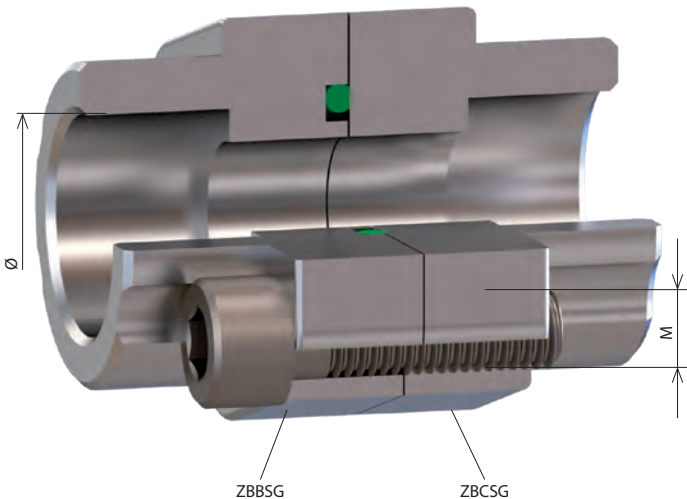
Contrabrida soldable hembra tubo gas

Schweiß-Gegenflansch w Rohr Gas

Contre-bride à souder femelle tube gaz



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 21.6              | 1/2"           | ZBCSG308216           | 30,15  |
| 3000 PSI        | 27.2              | 3/4"           | ZBCSG312272           | 38,11  |
| 3000 PSI        | 34.0              | 1"             | ZBCSG316340           | 47,60  |
| 3000 PSI        | 42.8              | 1 1/4"         | ZBCSG320428           | 60,22  |
| 3000 PSI        | 48.6              | 1 1/2"         | ZBCSG324486           | 95,12  |
| 3000 PSI        | 61.0              | 2"             | ZBCSG332610           | 123,66 |
| 3000 PSI        | 76.6              | 2 1/2"         | ZBCSG340766           | 174,39 |
| 3000 PSI        | 90.5              | 3"             | ZBCSG348905           | 215,56 |
| 3000 PSI        | 103.0             | 3 1/2"         | ZBCSG3561030          | 789,23 |
| 3000 PSI        | 115.5             | 4"             | ZBCSG3641155          | 856,90 |
| 6000 PSI        | 21.6              | 1/2"           | ZBCSG608216           | 31,76  |
| 6000 PSI        | 27.2              | 3/4"           | ZBCSG612272           | 44,38  |
| 6000 PSI        | 34.0              | 1"             | ZBCSG616340           | 63,44  |
| 6000 PSI        | 42.8              | 1 1/4"         | ZBCSG620428           | 85,63  |
| 6000 PSI        | 48.6              | 1 1/2"         | ZBCSG624486           | 121,25 |
| 6000 PSI        | 61.0              | 2"             | ZBCSG632610           | 217,17 |





## SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

### Female welding flange for metric tube

Brida soldable hembra tubo métrico

Schweißflansch w Rohr metr.

Bride à souder femelle tube métrique



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 20.3              | 1/2"           | ZBBSM308203           | 30,15  |
| 3000 PSI        | 25.3              | 3/4"           | ZBBSM312253           | 38,11  |
| 3000 PSI        | 30.3              | 1"             | ZBBSM316303           | 47,60  |
| 3000 PSI        | 38.3              | 1"1/4          | ZBBSM320383           | 60,22  |
| 3000 PSI        | 50.5              | 1"1/2          | ZBBSM324505           | 95,12  |
| 6000 PSI        | 20.3              | 1/2"           | ZBBSM608203           | 31,76  |
| 6000 PSI        | 25.3              | 3/4"           | ZBBSM612253           | 44,38  |
| 6000 PSI        | 30.3              | 1"             | ZBBSM616303           | 63,44  |
| 6000 PSI        | 38.3              | 1"1/4          | ZBBSM620383           | 85,63  |
| 6000 PSI        | 50.5              | 1"1/2          | ZBBSM624505           | 121,25 |

### Female welding counter-flange for metric tube

Contrabrida soldable hembra tubo métrico

Schweiß-Gegenflansch w Rohr metr.

Contre-bride à souder femelle tube métrique



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 20.3              | 1/2"           | ZBCSM308203           | 30,15  |
| 3000 PSI        | 25.3              | 3/4"           | ZBCSM312253           | 38,11  |
| 3000 PSI        | 30.3              | 1"             | ZBCSM316303           | 47,60  |
| 3000 PSI        | 38.3              | 1"1/4          | ZBCSM320383           | 60,22  |
| 3000 PSI        | 50.5              | 1"1/2          | ZBCSM324505           | 95,12  |
| 6000 PSI        | 20.3              | 1/2"           | ZBCSM608203           | 31,76  |
| 6000 PSI        | 25.3              | 3/4"           | ZBCSM612253           | 44,38  |
| 6000 PSI        | 30.3              | 1"             | ZBCSM616303           | 63,44  |
| 6000 PSI        | 38.3              | 1"1/4          | ZBCSM620383           | 85,63  |
| 6000 PSI        | 50.5              | 1"1/2          | ZBCSM624505           | 121,25 |

### 90° female welding flange for metric tube

Brida codo 90° soldable Hembra tubo métrico

Vorschweißflansch Winkel 90° w Rohr metr.

Bride 90° à souder femelle tube métrique



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 20.3              | 1/2"           | ZB90SM308203          | 180,50 |
| 3000 PSI        | 25.3              | 3/4"           | ZB90SM312253          | 167,33 |
| 3000 PSI        | 30.3              | 1"             | ZB90SM316303          | 200,10 |
| 3000 PSI        | 38.3              | 1"1/4          | ZB90SM320383          | 240,68 |
| 3000 PSI        | 50.5              | 1"1/2          | ZB90SM324505          | 331,48 |
| 6000 PSI        | 20.3              | 1/2"           | ZB90SM608203          | 173,55 |
| 6000 PSI        | 25.3              | 3/4"           | ZB90SM612253          | 200,10 |
| 6000 PSI        | 30.3              | 1"             | ZB90SM616303          | 290,85 |
| 6000 PSI        | 38.3              | 1"1/4          | ZB90SM620383          | 331,48 |
| 6000 PSI        | 50.5              | 1"1/2          | ZB90SM624505          | 642,80 |

## MALE WELDING FLANGES

Bridas soldables macho

Schweißflansche männlich

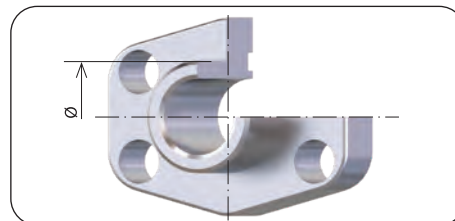
Brides à souder mâle

### Male welding flange for gas tube

Brida soldable macho tubo gas

Schweißflansch männlich Rohr Gas

Bride à souder mâle tube gaz



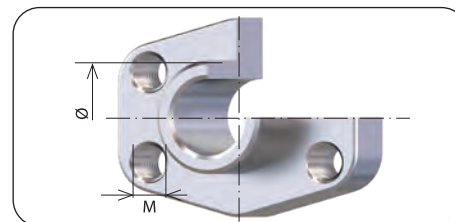
Ref: ZBMSG

### Male welding counterflange for gas tube

Contrabrida macho soldable tubo gas

Gegenschweißflansch männlich Rohr Gas

Contre-bride à souder mâle tube gaz



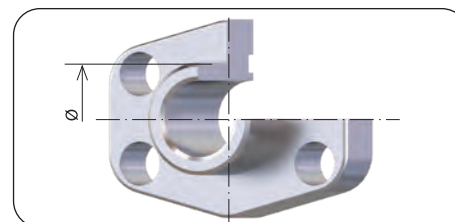
Ref: ZBCMSG

### Male welding flange for metric tube

Brida soldable macho tubo métrico

Metrischer Schweißflansch männlich Rohr

Bride à souder mâle tube métrique



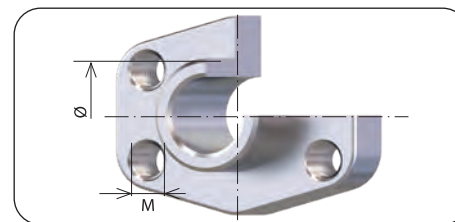
Ref: ZBMSM

### Male welding counterflange for metric tube

Contrabrida macho soldable tubo métrico

Metrischer Gegenschweißflansch männlich Rohr

Contre-bride à souder mâle tube métrique



Ref: ZBCMSM

# SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

## Blind flanges

Bridas ciegas

Blindflansche

Brides avec obturateur fermé



## Blind counter-flanges

Contrabridas ciegas

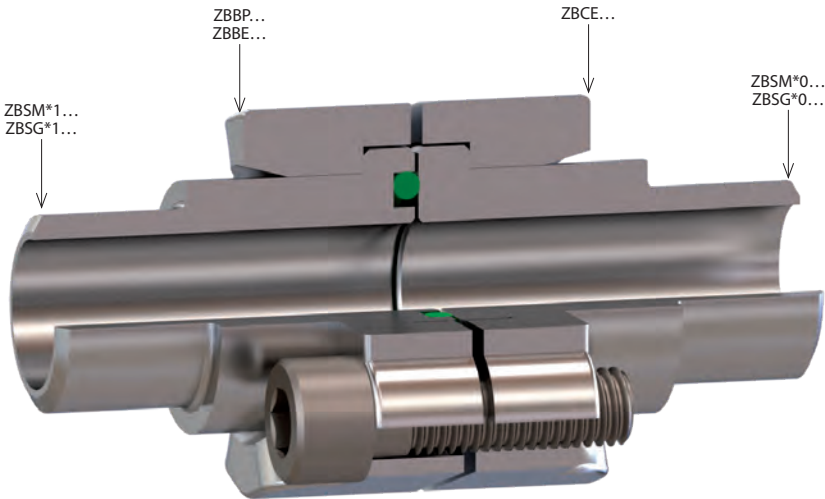
Blind-/Gegenflansche

Contre-brides avec obturateur fermé



| SERIE<br>SERIES | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|----------------|-----------------------|--------|
| 3000 PSI        | 1/2"           | ZBBC308               | 107,39 |
| 3000 PSI        | 3/4"           | ZBBC312               | 131,42 |
| 3000 PSI        | 1"             | ZBBC316               | 154,50 |
| 3000 PSI        | 1"1/4          | ZBBC320               | 180,30 |
| 3000 PSI        | 1"1/2          | ZBBC324               | 231,78 |
| 3000 PSI        | 2"             | ZBBC332               | 267,84 |
| 3000 PSI        | 2"1/2          | ZBBC340               | 309,05 |
| 3000 PSI        | 3"             | ZBBC348               | 437,81 |
| 3000 PSI        | 3"1/2          | ZBBC356               | 566,58 |
| 3000 PSI        | 4"             | ZBBC364               | 669,53 |
| 6000 PSI        | 1/2"           | ZBBC608               | 115,02 |
| 6000 PSI        | 3/4"           | ZBBC612               | 154,50 |
| 6000 PSI        | 1"             | ZBBC616               | 195,75 |
| 6000 PSI        | 1"1/4          | ZBBC620               | 278,15 |
| 6000 PSI        | 1"1/2          | ZBBC624               | 383,36 |
| 6000 PSI        | 2"             | ZBBC632               | 563,76 |

| SERIE<br>SERIES | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|----------------|-----------------------|--------|
| 3000 PSI        | 1/2"           | ZBCC308               | 113,06 |
| 3000 PSI        | 3/4"           | ZBCC312               | 138,35 |
| 3000 PSI        | 1"             | ZBCC316               | 169,94 |
| 3000 PSI        | 1"1/4          | ZBCC320               | 198,26 |
| 3000 PSI        | 1"1/2          | ZBCC324               | 254,95 |
| 3000 PSI        | 2"             | ZBCC332               | 294,60 |
| 3000 PSI        | 3"             | ZBCC348               | 481,59 |
| 3000 PSI        | 3"1/2          | ZBCC356               | 623,25 |
| 3000 PSI        | 4"             | ZBCC364               | 736,50 |
| 6000 PSI        | 1/2"           | ZBCC608               | 139,68 |
| 6000 PSI        | 3/4"           | ZBCC612               | 169,94 |
| 6000 PSI        | 1"             | ZBCC616               | 215,30 |
| 6000 PSI        | 1"1/4          | ZBCC620               | 267,90 |
| 6000 PSI        | 1"1/2          | ZBCC624               | 481,59 |
| 6000 PSI        | 2"             | ZBCC632               | 708,19 |



# SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

## Flange welding adaptor for metric tube

Brida cono soldable tubo métrico

Vorschweißflansch kon. Rohr metr.

Bride collet à souder tube métrique



| SERIE<br>SERIES | Ø EXT.<br>Ø OUTER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €        |
|-----------------|-------------------|----------------|-----------------------|----------|
| 3000 PSI        | 16                | 1/2"           | ZBSM3108016           | 26,80    |
| 3000 PSI        | 25                | 3/4"           | ZBSM3112025           | 28,66    |
| 3000 PSI        | 30                | 1"             | ZBSM3116030           | 43,54    |
| 3000 PSI        | 38                | 1"1/4          | ZBSM3120038           | 66,10    |
| 3000 PSI        | 45                | 1"1/2          | ZBSM3124045           | 85,45    |
| 3000 PSI        | 60                | 2"             | ZBSM3132060           | 158,61   |
| 3000 PSI        | 70                | 2"1/2          | ZBSM3140070           | 160,12   |
| 3000 PSI        | 80                | 3"             | ZBSM3148080           | 239,51   |
| 3000 PSI        | 100               | 3"1/2          | ZBSM3156100           | 1.002,23 |
| 3000 PSI        | 114,3             | 4"             | ZBSM3164114           | 1.082,41 |
| 6000 PSI        | 16                | 1/2"           | ZBSM6108016           | 100,24   |
| 6000 PSI        | 25                | 3/4"           | ZBSM6112025           | 28,23    |
| 6000 PSI        | 30                | 1"             | ZBSM6116030           | 34,73    |
| 6000 PSI        | 38                | 1"1/4          | ZBSM6120038           | 177,40   |
| 6000 PSI        | 45                | 1"1/2          | ZBSM6124045           | 275,59   |
| 6000 PSI        | 60                | 2"             | ZBSM6132060           | 330,72   |

## Flange welding adaptor for gas tube

Brida cono soldable tubo gas

Vorschweißflansch kon. Rohr Gas

Bride collet à souder tube gaz



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 21.5              | 1/2"           | ZBSG3108215           | 92,39  |
| 3000 PSI        | 28.0              | 3/4"           | ZBSG3112280           | 37,93  |
| 3000 PSI        | 34.0              | 1"             | ZBSG3116340           | 45,36  |
| 3000 PSI        | 42.8              | 1"1/4          | ZBSG3120428           | 57,73  |
| 3000 PSI        | 48.6              | 1"1/2          | ZBSG3124486           | 111,89 |
| 3000 PSI        | 61.0              | 2"             | ZBSG3132610           | 127,77 |
| 6000 PSI        | 21.5              | 1/2"           | ZBSG6108215           | 19,51  |
| 6000 PSI        | 28.0              | 3/4"           | ZBSG6112280           | 33,42  |
| 6000 PSI        | 34.0              | 1"             | ZBSG6116340           | 36,38  |
| 6000 PSI        | 42.8              | 1"1/4          | ZBSG6120428           | 51,50  |
| 6000 PSI        | 48.6              | 1"1/2          | ZBSG6124486           | 69,48  |
| 6000 PSI        | 61.0              | 2"             | ZBSG6132610           | 142,13 |

## Counter-flange welding adaptor for metric tube

Contrabrida cono soldable tubo métrico

Schweiß-Gegenflansch kon. Rohr metr.

Contre-bride collet à souder tube métrique



| SERIE<br>SERIES | Ø EXT.<br>Ø OUTER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 16                | 1/2"           | ZBSM3008016           | 30,09  |
| 3000 PSI        | 25                | 3/4"           | ZBSM3012025           | 29,10  |
| 3000 PSI        | 30                | 1"             | ZBSM3016030           | 35,67  |
| 3000 PSI        | 38                | 1"1/4          | ZBSM3020038           | 61,71  |
| 3000 PSI        | 45                | 1"1/2          | ZBSM3024045           | 93,69  |
| 3000 PSI        | 60                | 2"             | ZBSM3032060           | 120,42 |
| 3000 PSI        | 70                | 2"1/2          | ZBSM3040070           | 173,17 |
| 3000 PSI        | 80                | 3"             | ZBSM3048080           | 243,01 |
| 3000 PSI        | 100               | 3"1/2          | ZBSM3056100           | 923,73 |
| 6000 PSI        | 16                | 1/2"           | ZBSM6008016           | 92,39  |
| 6000 PSI        | 25                | 3/4"           | ZBSM6012025           | 26,25  |
| 6000 PSI        | 30                | 1"             | ZBSM6016030           | 33,94  |
| 6000 PSI        | 38                | 1"1/4          | ZBSM6020038           | 177,40 |
| 6000 PSI        | 45                | 1"1/2          | ZBSM6024045           | 254,02 |
| 6000 PSI        | 60                | 2"             | ZBSM6032060           | 304,81 |

## Counter-flange welding adaptor for gas tube

Contrabrida cono soldable tubo gas

Schweiß-Gegenflansch kon. Rohr Gas

Contre-bride collet à souder tube gaz



| SERIE<br>SERIES | Ø INT.<br>Ø INNER | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|-----------------|-------------------|----------------|-----------------------|--------|
| 3000 PSI        | 21.5              | 1/2"           | ZBSG3008215           | 110,92 |
| 3000 PSI        | 28.0              | 3/4"           | ZBSG3012280           | 33,00  |
| 3000 PSI        | 34.0              | 1"             | ZBSG3016340           | 39,32  |
| 3000 PSI        | 42.8              | 1"1/4          | ZBSG3020428           | 66,49  |
| 3000 PSI        | 48.6              | 1"1/2          | ZBSG3024486           | 86,17  |
| 3000 PSI        | 61.0              | 2"             | ZBSG3032610           | 141,81 |
| 6000 PSI        | 21.5              | 1/2"           | ZBSG6008215           | 20,18  |
| 6000 PSI        | 28.0              | 3/4"           | ZBSG6012280           | 29,55  |
| 6000 PSI        | 34.0              | 1"             | ZBSG6016340           | 38,53  |
| 6000 PSI        | 42.8              | 1"1/4          | ZBSG6020428           | 51,57  |
| 6000 PSI        | 48.6              | 1"1/2          | ZBSG6024486           | 73,47  |
| 6000 PSI        | 61.0              | 2"             | ZBSG6032610           | 136,27 |

## Welding flange head SW metric tube

Cabeza brida soldable SW tubo métrico

Schweißflanschkopf SW metrisches Rohr

Tête de bride de soudage SW tube métrique



| SERIE<br>SERIES | TUBO<br>PIPE | TAMAÑO<br>SIZE | Referencia<br>Part n° | €     |
|-----------------|--------------|----------------|-----------------------|-------|
| 3000 PSI        | 14           | 1/2"           | ZBSWM3108014          | 14,66 |
| 3000 PSI        | 22           | 3/4"           | ZBSWM3112022          | 22,62 |
| 3000 PSI        | 50           | 2"             | ZBSWM3132050          | 72,63 |
| 6000 PSI        | 22           | 3/4"           | ZBSWM6112022          | 24,88 |
| 6000 PSI        | 28           | 1"             | ZBSWM6116028          | 43,46 |
| 6000 PSI        | 35           | 1"1/4          | ZBSWM6120035          | 49,48 |
| 6000 PSI        | 39           | 1"1/2          | ZBSWM6124039          | 56,41 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

# SAE Flanges

Bridas SAE  
SAE-Flansche  
Brides SAE

## Screws for SAE flanges

Tornillos para bridas SAE

Schrauben für SAE-Flansche

Vis pour brides SAE



| ROSCA<br>THREAD | TAMAÑO<br>SIZE                         | Referencia<br>Part n° | €            |
|-----------------|----------------------------------------|-----------------------|--------------|
| M8X30           | 3000-6000 PSI 1/2"                     | <b>ZTB8X30</b>        | <b>1,46</b>  |
| M10X35          | 3000 PSI 3/4"-1"                       | <b>ZTB10X35</b>       | <b>2,34</b>  |
| M10X40          | 3000 PSI 1" 1/4 - 6000 PSI 3/4"        | <b>ZTB10X40</b>       | <b>2,08</b>  |
| M12X45          | 3000 PSI 1"1/2-2"-2"1/2-6000 PSI 1"    | <b>ZTB12X45</b>       | <b>3,91</b>  |
| M14X45          | 6000 PSI 1"1/4                         | <b>ZTB14X45</b>       | <b>6,63</b>  |
| M16X50          | 3000 PSI 3"-3"1/2"-4"- 6000 PSI 1" 1/2 | <b>ZTB16X50</b>       | <b>10,23</b> |
| M20X70          | 6000 PSI 2"                            | <b>ZTB20X70</b>       | <b>22,54</b> |

## Seals for 3000/6000 PSI flange

Juntas para bridas SAE 3000/6000 PSI

Dichtungen 3000/6000 PSI-Flansch

Joints pour bride série 3000/6000



| TAMAÑO<br>SIZE | Ø INT.<br>Ø INNER | Ø EXT.<br>Ø OUTER | Referencia<br>Part n° | € |
|----------------|-------------------|-------------------|-----------------------|---|
| 1/2"           | 17.02             | 25.40             | <b>JBR08</b>          | * |
| 3/4"           | 23.36             | 31.72             | <b>JBR12</b>          | * |
| 1"             | 31.24             | 39.62             | <b>JBR16</b>          | * |
| 1"1/4          | 36.07             | 44.45             | <b>JBR20</b>          | * |
| 1"1/2          | 45.34             | 53.98             | <b>JBR24</b>          | * |
| 2"             | 54.86             | 63.50             | <b>JBR32</b>          | * |

*\*See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Ver precios en Conducciones Hidráulicas y Neumáticas / \*Vgl. Sie die Preise in der Preisliste Hydraulische und Pneumatische Verbindungen. / \*Voir prix dans le Catalogue Connectique Hydraulique et Pneumatique*

## O´rings for 3000/6000 PSI flange

Juntas tóricas para bridas SAE 3000/6000 PSI

O-Ringe für 3000/6000 PSI-Flansch

O´rings pour bride série 3000/6000 PSI



| TAMAÑO<br>SIZE | Ø INT.<br>Ø INNER | Referencia<br>Part n° | € |
|----------------|-------------------|-----------------------|---|
| 1/2"           | 18.64             | <b>18.64X3.53</b>     | * |
| 3/4"           | 24.99             | <b>24.99X3.53</b>     | * |
| 1"             | 32.92             | <b>32.92X3.53</b>     | * |
| 1"1/4          | 37.70             | <b>37.70X3.53</b>     | * |
| 1"1/2          | 47.22             | <b>47.22X3.53</b>     | * |
| 2"             | 56.74             | <b>56.74X3.53</b>     | * |

*\*See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Ver precios en Conducciones Hidráulicas y Neumáticas / \*Vgl. Sie die Preise in der Preisliste Hydraulische und Pneumatische Verbindungen. / \*Voir prix dans le Catalogue Connectique Hydraulique et Pneumatique*

# TrΔle® Clamps

Abrazaderas TrΔle®

Schellen

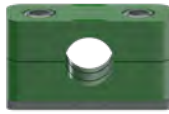
Colliers TrΔle®

## Light serie simple clamp

Abrazadera ligera simple completa

Einfache Befestigungsschelle komplett - Leichte Serie

Collier de fixation simple complet, série légère



| DN       | GRUPO GROUP | Referencia Part n° | €     |
|----------|-------------|--------------------|-------|
| 6        | 1           | ZA40AZ06           | 12,31 |
| 8        | 1           | ZA40AZ08           | 12,31 |
| 10       | 1           | ZA40AZ10           | 12,31 |
| 12       | 1           | ZA40AZ12           | 12,31 |
| 14       | 2           | ZA40AZ14           | 13,02 |
| 15       | 2           | ZA40AZ15           | 13,02 |
| 16       | 2           | ZA40AZ16           | 12,98 |
| 18       | 2           | ZA40AZ18           | 12,98 |
| 20       | 3           | ZA40AZ20           | 13,89 |
| 22       | 3           | ZA40AZ22           | 13,89 |
| 23       | 3           | ZA40AZ23           | 13,89 |
| 25       | 3           | ZA40AZ25           | 13,89 |
| 28       | 4           | ZA40AZ28           | 15,33 |
| 30       | 4           | ZA40AZ30           | 15,33 |
| 38       | 5           | ZA40AZ38           | 17,70 |
| 40       | 5           | ZA40AZ40           | 17,70 |
| 42-1"1/4 | 5           | ZA40AZ42           | 17,70 |

## Light serie simple clamp, plastic smooth profile

Abrazadera ligera simple completa, plásticos perfil liso

Einfache Befestigungsschelle komplett - Leichte Serie einfach, Plastikteile glatt

Collier de fixation simple série légère, complet, plastic profil lisse



| DN        | GRUPO GROUP | Referencia Part n° | €     |
|-----------|-------------|--------------------|-------|
| 8         | 1           | ZA40AZ08PL         | 12,31 |
| 10        | 1           | ZA40AZ10PL         | 12,31 |
| 12        | 1           | ZA40AZ12PL         | 12,31 |
| 1 1/4"    | 2           | ZA40AZ13.2PL       | 13,52 |
| 15        | 2           | ZA40AZ15PL         | 13,52 |
| 3/8"      | 2           | ZA40AZ16.7PL       | 13,52 |
| 18        | 2           | ZA40AZ18PL         | 13,52 |
| 20        | 3           | ZA40AZ20PL         | 13,89 |
| 1/2"      | 3           | ZA40AZ21.3PL       | 13,89 |
| 22        | 3           | ZA40AZ22PL         | 13,89 |
| 25        | 3           | ZA40AZ25PL         | 13,89 |
| 3/4"      | 4           | ZA40AZ26.7PL       | 16,48 |
| 28        | 4           | ZA40AZ28PL         | 16,48 |
| 30        | 4           | ZA40AZ30PL         | 16,48 |
| 1"        | 5           | ZA40AZ33.3PL       | 18,24 |
| 35        | 5           | ZA40AZ35PL         | 18,24 |
| 38        | 5           | ZA40AZ38PL         | 19,02 |
| 42-1" 1/4 | 5           | ZA40AZ42PL         | 19,02 |

## Light serie reinforced clamp

Abrazadera ligera reforzada completa

Befestigungsschelle komplett - Leichte Serie verstärkt

Collier de fixation simple série légère renforcé complet



| DN       | GRUPO GROUP | Referencia Part n° | €     |
|----------|-------------|--------------------|-------|
| 6        | 1           | ZA41AZ06           | 15,64 |
| 8        | 1           | ZA41AZ08           | 15,64 |
| 10       | 1           | ZA41AZ10           | 15,64 |
| 12       | 1           | ZA41AZ12           | 15,64 |
| 1 1/4"   | 2           | ZA41AZ13.2         | 16,71 |
| 14       | 2           | ZA41AZ14           | 16,71 |
| 15       | 2           | ZA41AZ15           | 16,71 |
| 16       | 2           | ZA41AZ16           | 16,71 |
| 18       | 2           | ZA41AZ18           | 16,71 |
| 20       | 3           | ZA41AZ20           | 18,54 |
| 22       | 3           | ZA41AZ22           | 18,54 |
| 23       | 3           | ZA41AZ23           | 18,54 |
| 25       | 3           | ZA41AZ25           | 18,54 |
| 28       | 4           | ZA41AZ28           | 19,50 |
| 30       | 4           | ZA41AZ30           | 19,50 |
| 38       | 5           | ZA41AZ38           | 23,05 |
| 40       | 5           | ZA41AZ40           | 23,05 |
| 42-1"1/4 | 5           | ZA41AZ42           | 23,05 |

## Light serie reinforced clamp, plastic smooth profile

Abrazadera ligera reforzada completa, plásticos perfil liso

Befestigungsschelle komplett - Leichte Serie verstärkt, Plastikteile glatt

Collier de fixation simple série légère renforcé, complet, plastic profil lisse



| DN        | GRUPO GROUP | Referencia Part n° | €     |
|-----------|-------------|--------------------|-------|
| 8         | 1           | ZA41AZ08PL         | 16,12 |
| 10        | 1           | ZA41AZ10PL         | 16,12 |
| 12        | 1           | ZA41AZ12PL         | 16,12 |
| 1 1/4"    | 2           | ZA41AZ13.2PL       | 17,23 |
| 15        | 2           | ZA41AZ15PL         | 17,23 |
| 3/8"      | 2           | ZA41AZ16.7PL       | 17,23 |
| 18        | 2           | ZA41AZ18PL         | 17,96 |
| 20        | 3           | ZA41AZ20PL         | 18,68 |
| 1/2"      | 3           | ZA41AZ21.3PL       | 18,68 |
| 22        | 3           | ZA41AZ22PL         | 18,68 |
| 25        | 3           | ZA41AZ25PL         | 18,78 |
| 3/4"      | 4           | ZA41AZ26.7PL       | 20,96 |
| 28        | 4           | ZA41AZ28PL         | 20,96 |
| 30        | 4           | ZA41AZ30PL         | 20,96 |
| 1"        | 5           | ZA41AZ33.3PL       | 23,76 |
| 35        | 5           | ZA41AZ35PL         | 23,76 |
| 38        | 5           | ZA41AZ38PL         | 23,76 |
| 42-1" 1/4 | 5           | ZA41AZ42PL         | 23,76 |

# TrΔle® Clamps

Abrazaderas TrΔle®  
Schellen  
Colliers TrΔle®

## Plastics polypropylene, light serie

Plásticos polipropileno, serie ligera

Polypropylenteile, Leichte Serie

Plastique polypropylene, série légère



| DN        | GRUPO<br>GROUP | Referencia<br>Part n° | € |
|-----------|----------------|-----------------------|---|
| 6         | 1              | A106C                 | * |
| 8         | 1              | A108C                 | * |
| 10        | 1              | A110C                 | * |
| 12        | 1              | A112C                 | * |
| 1 1/4"    | 2              | A213.2C               | * |
| 14        | 2              | A214C                 | * |
| 15        | 2              | A215C                 | * |
| 3/8"      | 2              | A216.7C               | * |
| 16        | 2              | A216C                 | * |
| 18        | 2              | A218C                 | * |
| 19        | 3              | A319C                 | * |
| 20        | 3              | A320C                 | * |
| 1 1/2"    | 3              | A321.3C               | * |
| 22        | 3              | A322C                 | * |
| 23        | 3              | A323C                 | * |
| 25        | 3              | A325C                 | * |
| 3/4"      | 4              | A426.7C               | * |
| 28        | 4              | A428C                 | * |
| 30        | 4              | A430C                 | * |
| 32        | 5              | A532C                 | * |
| 1"        | 5              | A533.7C               | * |
| 35        | 5              | A535C                 | * |
| 38        | 5              | A538C                 | * |
| 40        | 5              | A540C                 | * |
| 42-1 1/4" | 5              | A542C                 | * |
| 44.5      | 6              | A644.5C               | * |
| 1 1/2"    | 6              | A648.3C               | * |
| 50.8      | 6              | A650.8C               | * |

*\*Price per couple. See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Precio por pareja. Ver precios en Tarifa Conducciones Hidráulicas y Neumáticas / \*Preis für ein Paar. Vgl. Sie die Preise in der Preisliste Hydraulische und Pneumatische Verbindungen / \*Prix par paire. Voir les prix dans le Catalogue Connectique Hydraulique et Pneumatique*

## Lower plate, light serie

Chapas inferiores, serie ligera

Unterbleche, Leichte Serie

Plaque inférieure, série légère



| GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|----------------|-----------------------|-------|
| 1              | ZAPIN1                | 10,13 |
| 2              | ZAPIN2                | 10,52 |
| 3              | ZAPIN3                | 10,85 |
| 4              | ZAPIN4                | 11,29 |
| 5              | ZAPIN5                | 12,07 |
| 6              | ZAPIN6                | 15,05 |

## Upper plate, light serie

Chapas superiores, serie ligera

Oberbleche, Leichte Serie

Plaque supérieure, série légère



| GRUPO<br>GROUP | Referencia<br>Part n° | €    |
|----------------|-----------------------|------|
| 1              | ZAPS1                 | 3,24 |
| 2              | ZAPS2                 | 3,58 |
| 3              | ZAPS3                 | 4,05 |
| 4              | ZAPS4                 | 4,62 |
| 5              | ZAPS5                 | 5,37 |
| 6              | ZAPS6                 | 6,19 |

## Allen screw, light serie

Tornillos Allen, serie ligera

Innensechskant-Schrauben, Leichte Serie

Vis Allen, série légère



| ROSCA<br>THREAD | GRUPO<br>GROUP | Referencia<br>Part n° | €    |
|-----------------|----------------|-----------------------|------|
| M6              | 1              | ZAVTC1                | 0,74 |
| M6              | 2              | ZAVTC2                | 0,53 |
| M6              | 3              | ZAVTC3                | 1,42 |
| M6              | 4              | ZAVTC4                | 1,16 |
| M6              | 5              | ZAVTC5                | 1,28 |
| M6              | 6              | ZAVTC6                | 2,14 |

*Price per unit / Precio por unidad / Preis pro Stück / Prix à l'unité*

## Hexagonal screw, light serie

Tornillos Hexagonales, serie ligera

Hexagonal-Schrauben, Leichte Serie

Vis Hexagonnel, série légère



| ROSCA<br>THREAD | GRUPO<br>GROUP | Referencia<br>Part n° | €    |
|-----------------|----------------|-----------------------|------|
| M6              | 1              | ZAVTE1                | 0,66 |
| M6              | 2              | ZAVTE2                | 0,72 |
| M6              | 3              | ZAVTE3                | 1,34 |
| M6              | 4              | ZAVTE4                | 1,04 |
| M6              | 5              | ZAVTE5                | 0,93 |
| M6              | 6              | ZAVTE6                | 2,57 |

*Price per unit / Precio por unidad / Preis pro Stück / Prix à l'unité*



## TrΔle® Clamps

Abrazaderas TrΔle®

Schellen

Colliers TrΔle®

### Stainless Steel Stack Screws Light Series

Tornillos Apilar Inox Serie Ligera

Schraube Stapelplatte Edelstahl Leichte Serie

Vis de pile en acier inoxydable série légère



| ROSCA<br>THREAD | GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|-----------------|----------------|-----------------------|-------|
| M6              | 1              | ZAVTA1                | 7,07  |
| M6              | 2              | ZAVTA2                | 8,23  |
| M6              | 3              | ZAVTA3                | 9,37  |
| M6              | 4              | ZAVTA4                | 11,01 |
| M6              | 5              | ZAVTA5                | 11,72 |
| M6              | 6              | <b>NEW</b> ZAVTA6     | 12,72 |

### Plates to pile up clamps, light serie

Chapas para apilar abrazaderas, serie ligera

Blech zum Stapeln von Schellen, Serie Leicht

Plaques pour empiler colliers, série légère

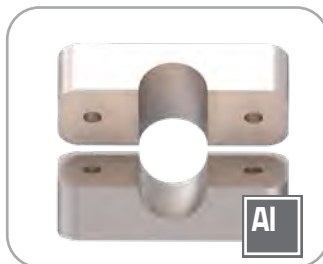
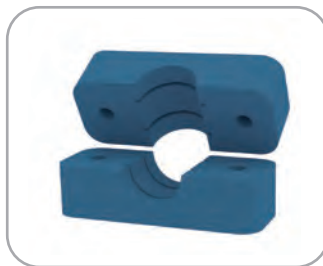


| GRUPO<br>GROUP | Referencia<br>Part n° | €    |
|----------------|-----------------------|------|
| 1              | ZAPA1                 | 1,39 |
| 2              | ZAPA2                 | 1,66 |
| 3              | ZAPA3                 | 1,91 |
| 4              | ZAPA4                 | 2,16 |
| 5              | ZAPA5                 | 2,43 |
| 6              | ZAPA6                 | 3,41 |

# TRΔLE®

## ABRAZADERAS | CLAMPS

UNE TUS SISTEMAS DE TUBERÍA DE FORMA SEGURA  
JOIN PIPE SYSTEMS SECURELY



CONSULTA EL  
CATÁLOGO DE  
CONDUCCIONES



CHECK OUR  
CONNECTORS  
CATALOGUE

DICSA

Elongated Weld Plate Light Series

Chapa Atornillar, Serie ligera

Längliche Schweißplatte Leichte Serie

Plaque à souder allongée, série légère



| GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|----------------|-----------------------|-------|
| 1              | ZAPT1                 | 7,08  |
| 2              | ZAPT2                 | 7,48  |
| 3              | ZAPT3                 | 7,64  |
| 4              | ZAPT4                 | 7,99  |
| 5              | ZAPT5                 | 8,34  |
| 6              | ZAPT6                 | 16,84 |

Stainless Steel Jointed plate Light Series



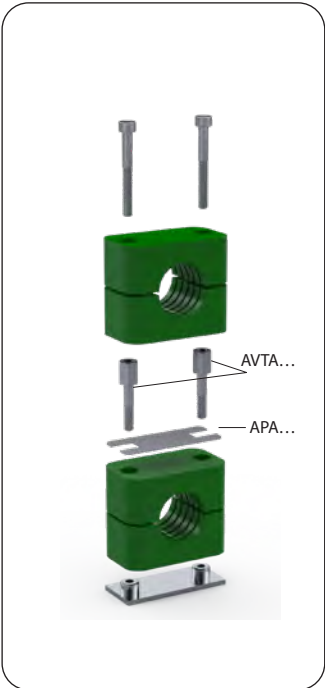
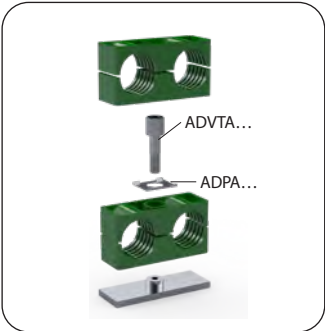
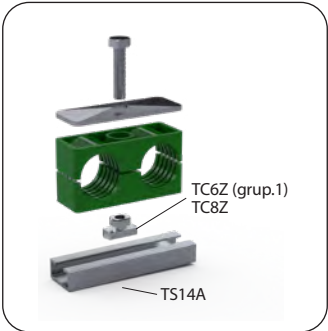
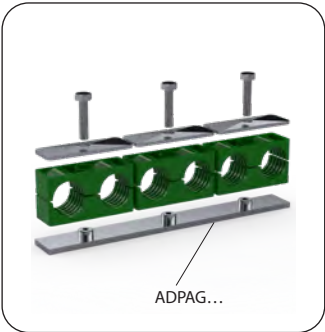
Chapa Agrupar Inox Serie Ligera

Verbindungsplatte Edelstahl Leichte Serie

Plaque à joindre acier inoxydable série légère



| GRUPO<br>GROUP | N° ABRAZ<br>CLAMP QTY. | Referencia<br>Part n° | €     |
|----------------|------------------------|-----------------------|-------|
| 1              | 10                     | ZAPAG1                | 10,13 |
| 2              | 10                     | ZAPAG2                | 10,52 |
| 3              | 10                     | ZAPAG3                | 10,04 |
| 4              | 10                     | ZAPAG4                | 11,29 |
| 5              | 10                     | ZAPAG5                | 12,07 |
| 6              | 10                     | ZAPAG6                | 15,05 |



# TrΔle® Clamps

Abrazaderas TrΔle®

Schellen

Colliers TrΔle®

## Double clamp - parallel

Abrazaderas dobles completas

Doppelte Befestigungsschellen - komplett

Colliers de fixation doubles complets



| DN | GRUPO GROUP | Referencia Part n° | €     |
|----|-------------|--------------------|-------|
| 6  | 1           | ZAZCFS06           | 11,44 |
| 8  | 1           | ZAZCFS08           | 11,44 |
| 10 | 1           | ZAZCFS10           | 11,44 |
| 12 | 1           | ZAZCFS12           | 11,44 |
| 14 | 2           | ZAZCFS14           | 22,60 |
| 15 | 2           | ZAZCFS15           | 22,60 |
| 16 | 2           | ZAZCFS16           | 22,60 |
| 18 | 2           | ZAZCFS18           | 22,60 |
| 20 | 3           | ZAZCFS20           | 24,35 |
| 22 | 3           | ZAZCFS22           | 24,35 |
| 25 | 3           | ZAZCFS25           | 24,35 |
| 28 | 4           | ZAZCFS28           | 29,72 |
| 30 | 4           | ZAZCFS30           | 29,72 |
| 35 | 5           | ZAZCFS35           | 35,20 |
| 38 | 5           | ZAZCFS38           | 35,20 |
| 40 | 5           | ZAZCFS40           | 35,20 |
| 42 | 5           | ZAZCFS42           | 35,20 |

## Double Lower plate

Chapas inferiores

Unterbleche

Plaques inférieures à souder double



| ROSCA THREAD | GRUPO GROUP | Referencia Part n° | €     |
|--------------|-------------|--------------------|-------|
| M6           | 1           | ZADPIN1            | 6,33  |
| M8           | 2           | ZADPIN2            | 13,67 |
| M8           | 3           | ZADPIN3            | 14,71 |
| M8           | 4           | ZADPIN4            | 16,47 |
| M8           | 5           | ZADPIN5            | 20,11 |

## Double Upper plate

Chapas superiores

Oberbleche

Plaques supérieures de protection double



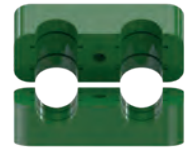
| GRUPO GROUP | Referencia Part n° | €     |
|-------------|--------------------|-------|
| 1           | ZADPS1             | 3,27  |
| 2           | ZADPS2             | 5,03  |
| 3           | ZADPS3             | 5,58  |
| 4           | ZADPS4             | 9,51  |
| 5           | ZADPS5             | 11,65 |

## Double plastics polypropylene

Plásticos polipropileno dobles

Polypropylenteile doppelt

Plastiques polypropylene doubles



| DN     | GRUPO GROUP | Referencia Part n° | € |
|--------|-------------|--------------------|---|
| 6      | 1           | AD106C             | * |
| 8      | 1           | AD108C             | * |
| 10     | 1           | AD110C             | * |
| 12     | 1           | AD112C             | * |
| 1 1/4" | 2           | AD213.2C           | * |
| 14     | 2           | AD214C             | * |
| 15     | 2           | AD215C             | * |
| 3/8"   | 2           | AD216.7C           | * |
| 16     | 2           | AD216C             | * |
| 18     | 2           | AD218C             | * |
| 19     | 3           | AD319C             | * |
| 20     | 3           | AD320C             | * |
| 1 1/2" | 3           | AD321.3C           | * |
| 22     | 3           | AD322C             | * |
| 25     | 3           | AD325C             | * |
| 3/4"   | 4           | AD426.7C           | * |
| 28     | 4           | AD428C             | * |
| 30     | 4           | AD430C             | * |
| 32     | 5           | AD532C             | * |
| 1"     | 5           | AD533.3C           | * |
| 35     | 5           | AD535C             | * |
| 38     | 5           | AD538C             | * |
| 40     | 5           | AD540C             | * |
| 42     | 5           | AD542C             | * |

\*Price per couple. See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Precio por pareja. Ver precios en Tarifa Conducciones Hidráulicas y Neumáticas / \*Preis für ein Paar. Vgl. Sie die Preise in der Preisliste Hydraulische und Pneumatische Verbindungen / \*Prix par paire. Voir les prix dans le Catalogue Connectique Hydraulique et Pneumatique

## Hexagonal screw

Tornillos cabeza hexagonal

Hexagonalkopf-Schrauben

Vis hexagonale



| ROSCA THREAD | GRUPO GROUP | Referencia Part n° | €    |
|--------------|-------------|--------------------|------|
| M6           | 1           | ZADVTE1            | 0,64 |
| M8           | 2           | ZADVTE2            | 2,37 |
| M8           | 3           | ZADVTE3            | 2,32 |
| M8           | 4           | ZADVTE4            | 2,34 |
| M8           | 5           | ZADVTE5            | 2,70 |

Price per unit / Precio por unidad / Preis pro Stück / Prix à l'unité

TrAle® Clamps

Abrazaderas TrAle®

Schellen

Colliers TrAle®

Plates to pile up double clamps



Chapa apilar abrazadera doble

Stapelplatte Doppelschelle

Plaques pour empiler colliers doubles



| GRUPO<br>GROUP | Referencia<br>Part n° | €    |
|----------------|-----------------------|------|
| 1              | ZADPA1                | 2,41 |
| 2/3/4/5        | ZADPA2                | 2,41 |

Stack Screws double clamps



Tornillo apilar abrazadera doble

Schraube Stapelplatte Doppelschelle

Vis de pile colliers doubles



| ROSCA<br>THREAD | GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|-----------------|----------------|-----------------------|-------|
| M6              | 2              | ZADVTA2               | 9,77  |
| M6              | 3              | ZADVTA3               | 10,04 |
| M6              | 4              | ZADVTA4               | 10,45 |
| M6              | 5              | ZADVTA5               | 10,58 |
| M6              | 6              | ZADVTA6               | *     |

For Group 1: ZAVTA1 (Light) / Para Grupo 1: ZAVTA1 (lígera) / Für Gruppe 1: ZAVTA1 (leicht) / Pour le Groupe 1: ZAVTA1 (légère)

Jointed plate double clamps



Chapa agrupar abrazadera doble

Verbindungsplatte Doppelschelle

Plaque à joindre colliers doubles



| ROSCA<br>THREAD | GRUPO<br>GROUP | N° ABRAZADERAS<br>CLAMP QTY. | Referencia<br>Part n° | €     |
|-----------------|----------------|------------------------------|-----------------------|-------|
| M6              | 1              | 5                            | ZADPAG1               | 6,53  |
| M8              | 2              | 5                            | ZADPAG2               | 15,10 |
| M8              | 3              | 5                            | ZADPAG3               | 16,08 |

## Colliers TrΔle®

## Pinces en acier inoxydable série lourde



| DN          | GRUPO<br>GROUP | Referencia<br>Part n° | €      |
|-------------|----------------|-----------------------|--------|
| 6           | 1              | ZAZCPS06              | 54,59  |
| 8           | 1              | ZAZCPS08              | 56,93  |
| 10          | 1              | ZAZCPS10              | 54,59  |
| 12          | 1              | ZAZCPS12              | 54,55  |
| 1 1/4"      | 1              | ZAZCPS13.2            | 54,59  |
| 14          | 1              | ZAZCPS14              | 54,59  |
| 15          | 1              | ZAZCPS15              | 54,59  |
| 16          | 1              | ZAZCPS16              | 54,59  |
| 3/8"        | 1              | ZAZCPS17.2            | 54,59  |
| 18          | 1              | ZAZCPS18              | 54,59  |
| 20          | 2              | ZAZCPS20              | 70,07  |
| 1/2"        | 2              | ZAZCPS21.3            | 70,07  |
| 22          | 2              | ZAZCPS22              | 70,07  |
| 25          | 2              | ZAZCPS25              | 70,07  |
| 3/4"        | 2              | ZAZCPS26.7            | 70,07  |
| 28          | 2              | ZAZCPS28              | 70,06  |
| 30          | 2              | ZAZCPS30              | 70,07  |
| 32          | 3              | ZAZCPS32              | 87,15  |
| 1"          | 3              | ZAZCPS33.3            | 87,15  |
| 35          | 3              | ZAZCPS35              | 87,15  |
| 38          | 3              | ZAZCPS38              | 87,15  |
| 40          | 3              | ZAZCPS40              | 87,15  |
| 42 - 1" 1/4 | 3              | ZAZCPS42              | 87,15  |
| 45          | 4              | ZAZCPS45              | 153,69 |
| 48-1" 1/2   | 4              | ZAZCPS48              | 153,69 |
| 50          | 4              | ZAZCPS50              | 153,69 |
| 55          | 4              | ZAZCPS55              | 153,69 |
| 2"          | 4              | ZAZCPS60.3            | 153,69 |
| 65          | 4              | ZAZCPS65              | 153,69 |
| 70          | 4              | ZAZCPS70              | 153,69 |

## Plastique polypropylène, série lourde



| DN         | GRUPO<br>GROUP | Referencia<br>Part n° | € |
|------------|----------------|-----------------------|---|
| 6          | 1              | AMPP106C              | * |
| 8          | 1              | AMPP108C              | * |
| 10         | 1              | AMPP110C              | * |
| 12         | 1              | AMPP112C              | * |
| 1 1/4"     | 1              | AMPP113.2C            | * |
| 14         | 1              | AMPP114C              | * |
| 15         | 1              | AMPP115C              | * |
| 16         | 1              | AMPP116C              | * |
| 3/8"       | 1              | AMPP117.2C            | * |
| 18         | 1              | AMPP118C              | * |
| 20         | 2              | AMPP220C              | * |
| 1 1/2"     | 2              | AMPP221.3C            | * |
| 22         | 2              | AMPP222C              | * |
| 25         | 2              | AMPP225C              | * |
| 3/4"       | 2              | AMPP226.7C            | * |
| 28         | 2              | AMPP228C              | * |
| 30         | 2              | AMPP230C              | * |
| 30         | 3              | AMPP330C              | * |
| 32         | 3              | AMPP332C              | * |
| 1"         | 3              | AMPP333.3C            | * |
| 35         | 3              | AMPP335C              | * |
| 38         | 3              | AMPP338C              | * |
| 40         | 3              | AMPP340C              | * |
| 42         | 3              | AMPP342C              | * |
| 38         | 4              | AMPP438C              | * |
| 42- 1" 1/4 | 4              | AMPP442C              | * |
| 45         | 4              | AMPP445C              | * |
| 48-1" 1/2  | 4              | AMPP448C              | * |
| 50         | 4              | AMPP450C              | * |
| 55         | 4              | AMPP455C              | * |
| 2"         | 4              | AMPP460.3C            | * |
| 65         | 4              | AMPP465C              | * |
| 70         | 4              | AMPP470C              | * |

**\*Price per couple. See prices in Hydraulic and Pneumatic Connectors' Catalogue / \*Precio por pareja. Ver precios en Tarifa Conducciones Hidráulicas y Neumáticas / \*Preis für ein Paar. Vgl. Sie die Preise in der Preislise Hydraulische und Pneumatische Verbindungen / \*Prix par paire. Voir les prix dans le Catalogue Connectique Hydraulique et Pneumatique**

TrAle® Clamps

Abrazaderas TrAle®  
Schellen  
Colliers TrAle®

Lower plate, heavy serie

Chapas inferiores, serie pesada

Unterbleche, Schwere Serie

Plaque inférieure, série lourde



| ROSCA<br>THREAD | GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|-----------------|----------------|-----------------------|-------|
| M10             | 1              | ZAPINP1               | 36,13 |
| M10             | 2              | ZAPINP2               | 47,63 |
| M10             | 3              | ZAPINP3               | 59,10 |
| M12             | 4              | ZAPINP4               | 90,06 |

Upper plate, heavy serie

Chapas superiores, serie pesada

Oberbleche, Schwere Serie

Plaque supérieure, série lourde



| GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|----------------|-----------------------|-------|
| 1              | ZAPSP1                | 16,53 |
| 2              | ZAPSP2                | 18,73 |
| 3              | ZAPSP3                | 24,51 |
| 4              | ZAPSP4                | 56,07 |

Screw, heavy serie

Tornillos, serie pesada

Schrauben, Schwere Serie

Vis, série lourde



| ROSCA<br>THREAD | GRUPO<br>GROUP | Referencia<br>Part n° | €     |
|-----------------|----------------|-----------------------|-------|
| M10             | 1              | ZAVTEP1               | 4,28  |
| M10             | 2              | ZAVTEP2               | 5,09  |
| M10             | 3              | ZAVTEP3               | 5,81  |
| M12             | 4              | ZAVTEP4               | 12,28 |

Price per unit / Precio por unidad / Preis pro Stück / Prix à l'unité

Stack Screws, heavy serie

Tornillo apilar serie pesada

Schraube Stapelplatte Schwere Serie

Vis de pile, série lourde



NEW

Plates to pile up clamps, heavy serie

Chapa apilar serie pesada

Stapelplatte Schwere Serie

Plaques pour empiler colliers, série lourde



NEW

Rail accessories

Accesorios para carril

Zubehör Schiene

Accessoires pour rail



| ROSCA<br>THREAD | DETALLE<br>DESCRIPTION | Referencia<br>Part n° | €     |
|-----------------|------------------------|-----------------------|-------|
| M6              | NUT                    | TC6I                  | 12,43 |
| M8              | NUT                    | TC8I                  | 17,88 |
| M10             | NUT                    | TC10I                 | 17,87 |
| M12             | NUT                    | TC12I                 | 19,02 |
| --              | RAIL                   | TS11I                 | 74,64 |
| --              | RAIL                   | TS14I                 | 82,53 |
| --              | RAIL                   | TSP22I                | *     |

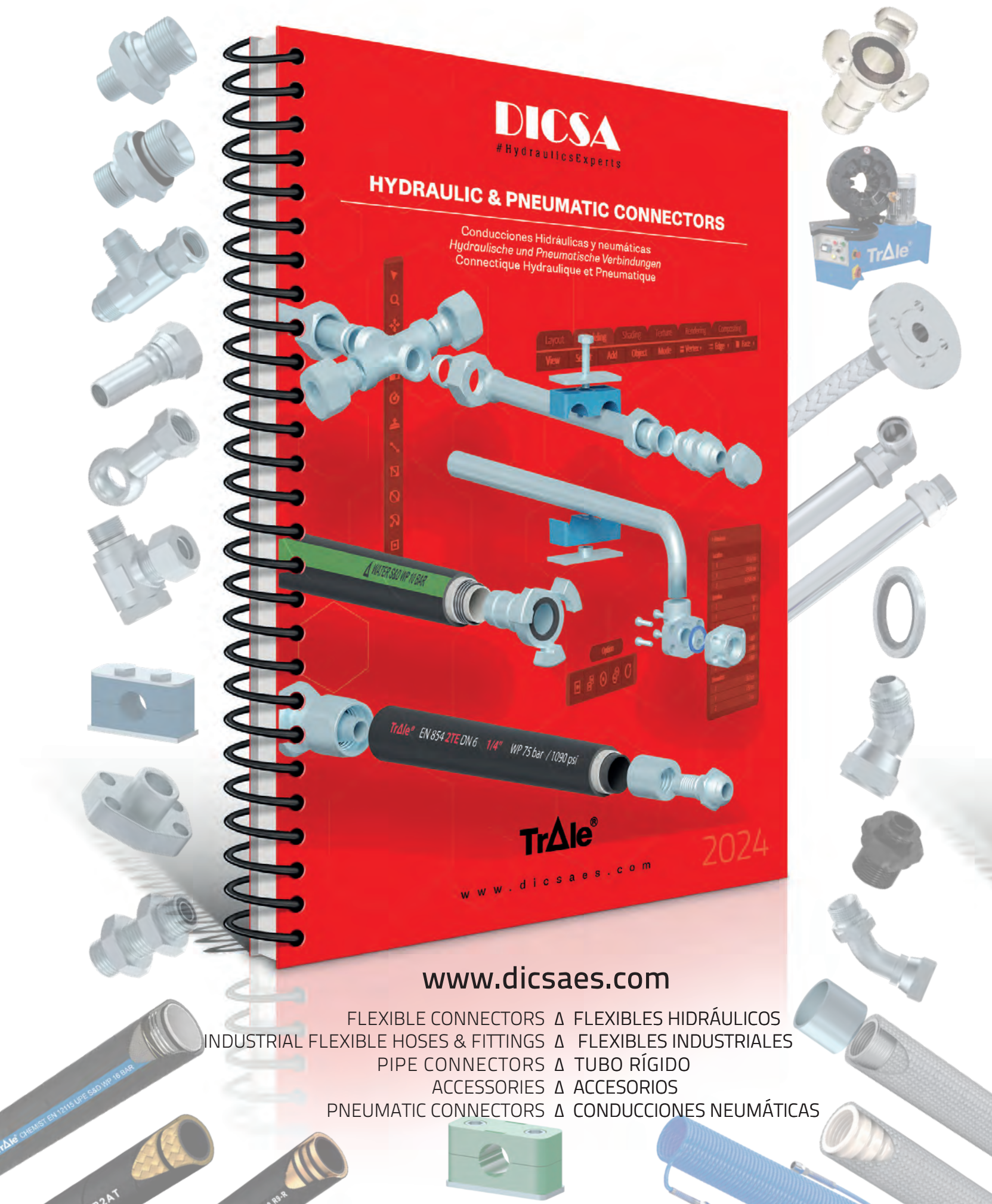
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NEW



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PNEUMATIC CONNECTORS Δ CONDUCCIONES NEUMÁTICAS

## **BSP Adaptors** | 170

Adaptadores BSP  
Adapter BSP  
Adapteurs BSP

## **NPT Adaptors** | 180

Adaptadores NPT  
Adapter NPT  
Adapteurs NPT

## **O'Ring Boss Adaptors** | 185

Adaptadores O'Ring Boss  
Adapter O'Ring Boss  
Adapteurs O'Ring Boss

## **ORFS Adaptors** | 187

Adaptadores ORFS  
Adapter ORFS  
Adapteurs ORFS

The background of the page is a solid teal color. On the left side, there are several 3D rendered images of industrial adaptors and fittings. These include a 90-degree elbow fitting with a hexagonal base, a straight through fitting with a hexagonal base, a hexagonal nut-like fitting with internal threads, and a hexagonal fitting with external threads. The number '04' is displayed in a large, white, sans-serif font on the right side of the page.

# 04

## **ADAPTORS**

Adaptadores

Adaptors

Adapteurs

## BSP Adaptors

Adaptadores BSP  
Adapter BSP  
Adapteurs BSP

Straight male adaptors ▪ Uniones rectas macho ▪ Gerade Verschraubungen m ▪ Unions mâle | 170



Z1010 Z1010\_WD Z1011 Z1020 Z1020\_WD Z1016 Z1014 Z1024 Z1012 Z1022

Adaptors male-female ▪ Uniones rectas macho-hembra ▪ Gerade Verschraubungen m - w ▪ Unions mâle-femelle | 172



Z1060 Z1060 Z1061 Z1172 Z1170 Z1173 Z1150

Plugs ▪ Tapones ▪ Stopfen ▪ Bouchons | 174



Z1072 Z1070 Z1075

Female adaptors and bulkheads ▪ Uniones hembra y pasatabiques ▪ Verschraubungen w und Schottverschraubungen ▪ Unions femelle et passe-cloison | 175



Z1310 Z1031 Z1031 Z1160 Z1161

Banjos ▪ Orientables ▪ Ringaugen ▪ Adapteurs orientables | 176



Z1090 Z1092 Z1140

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ZVT210 ZVT320

Elbows ▪ Codos accesorios ▪ Winkel - W ▪ Adapteurs coude accessoirel | 177



Z1194 Z1196 Z1195 ZA1195

Forging elbows ▪ Codos en forja ▪ W-Guss-Stücke ▪ Adapteurs coude en forge | 178



Z1190 Z1192 Z1197 Z1191 Z1193 Z1196 Z1198 Z1183

Forging Tees and croos ▪ Te y cruces en forja ▪ T-Guss-Stück und überqueren ▪ Adapteurs Tés en forge et des croix | 179



Z1220 Z1222 Z1224 Z1228 Z1226 Z1221 Z1223 Z1227



## NPT Adaptors

Adaptadores NPT  
Adapter NPT  
Adpteurs NPT

Straight male adaptors ▪ Uniones rectas macho-macho ▪ Gerade Verschraubungen m - m ▪ Unions mâle

180



Z1015

ZN1015

Adaptors male-female ▪ Uniones rectas macho-hembra ▪ Gerade Verschraubungen m - w ▪ Unions mâle-femelle

180



ZN1060

ZN1150

ZN1170

ZN1174

Plugs ▪ Tapones ▪ Stopfen ▪ Bouchons

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ZN1072

ZN1070

ZN1071

Female adaptors and bulkheads ▪ Uniones hembra y pasatabiques ▪ Verschraubungen w und Schottverschraubungen  
▪ Unions femelle et passe cloisson

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ZN1031

Forging elbows ▪ Codos en forja ▪ W-Guss-Stücke ▪ Adapteurs coude en forge

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ZN1190

ZN1193

ZN1196

ZN1198

ZN1396

ZN1393

Forging tees ▪ Tes en forja ▪ T-Verschraubungen Guss ▪ Adapteurs Té en forge

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ZN1220

ZN1226

# O’Ring Boss Adaptors

Adaptadores O’Ring Boss  
 Adapter O’Ring Boss  
 Adapteurs O’Ring Boss

Straight male adaptors ▪ Uniones rectas macho ▪ Gerade Verschraubungen m ▪ Unions mâle
 | 185



Adaptors male-female ▪ Uniones rectas macho-hembra ▪ Gerade Verschraubungen m - w ▪ Unions mâle-femelle
 | 185



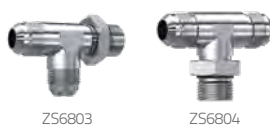
Plugs ▪ Tapones ▪ Stopfen ▪ Bouchons
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Forging elbows and tees ▪ Codos en forja ▪ W- und T-Guss-Stücke ▪ Adapteurs coude et té en forge
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Forging Tees ▪ Tes en forja ▪ T-Verschraubungen Guss ▪ Adapteurs Té en forge
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## ORFS Adaptors

Adaptadores ORFS

Adapter ORFS

Adapteurs ORFS

ORFS Nuts and nipples ▪ Conos y tuercas ORFS ▪ Ü-Muttern und Konusse ORFS ▪ Écrous et collets ORFS

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ZOR102



ZOR1273

Plugs ▪ Tapones ▪ Verschlüsse ▪ Bouchons

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ZOR104



ZOR105

ORFS Straight unions ▪ Uniones rectas ORFS ▪ Gerade ORFS-Verschraubungen ▪ Unions droites ORFS

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ZOR200



ZOR202



ZOR1017



ZOR106



ZOR301



ZOR204



ZOR302



ZOR305

ORFS Elbows ▪ Codos en forja ORFS ▪ ORFS-Winkel - w ORFS ▪ Coudes ORFS

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ZOR405



ZOR600

ORFS Tees ▪ Tes en forja ORFS ▪ T-Verschraubungen ORFS ▪ Tés ORFS

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ZOR700



ZOR701



ZOR702



JVORFS

# BSP Adaptors

Adaptadores BSP  
Adapter BSP  
Adapteurs BSP

## Adaptor male BSP 60° - male BSP 60°

Adaptador macho - macho BSP cono 60°

Doppelnippel AGR-AGR

Adapteur mâle BSP - mâle BSP cône 60°



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/8" BSP        | 1/8" BSP  | Z101002               | 9,18   |
| 1/4" BSP        | 1/4" BSP  | Z101004               | 8,73   |
| 1/4" BSP        | 1/4" BSP  | Z101004H19            | 10,96  |
| 3/8" BSP        | 3/8" BSP  | Z101006               | 10,20  |
| 1/2" BSP        | 1/2" BSP  | Z101008               | 13,61  |
| 5/8" BSP        | 5/8" BSP  | Z101010               | 29,32  |
| 3/4" BSP        | 3/4" BSP  | Z101012               | 20,50  |
| 1" BSP          | 1" BSP    | Z101016               | 41,09  |
| 1"1/4 BSP       | 1"1/4 BSP | Z101020               | 61,89  |
| 1"1/2 BSP       | 1"1/2 BSP | Z101024               | 74,85  |
| 2" BSP          | 2" BSP    | Z101032               | 116,17 |
| 2" BSP          | 2" BSP    | Z101032H70            | 148,25 |
| 2"1/2 BSP       | 2"1/2 BSP | Z101040               | 217,95 |
| 3" BSP          | 3" BSP    | Z101048               | 322,87 |

## Adaptor male BSP 60° - male BSP 60° captive seal

Adaptador macho - macho BSP cono 60° con junta encastrada

Doppelnippel AGR-AGR WD

Adapteur mâle BSP - mâle BSP cône 60° avec joint plat



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €     |
|-----------------|----------|-----------------------|-------|
| 1/4" BSP        | 1/4" BSP | Z101004WD             | 15,40 |
| 3/8" BSP        | 3/8" BSP | Z101006WD             | 17,09 |
| 1/2" BSP        | 1/2" BSP | Z101008WD             | 22,00 |
| 3/4" BSP        | 3/4" BSP | Z101012WD             | 29,07 |
| 1" BSP          | 1" BSP   | Z101016WD             | 49,71 |

## Adaptor male BSP - male BSP flat seat

Adaptador macho - macho BSP asiento plano

Doppelnippel AGR-AGR flachdichtend

Adapteur mâle BSP - mâle BSP fond plat



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP  | Z101104               | 11,05  |
| 3/8" BSP        | 3/8" BSP  | Z101106               | 14,51  |
| 1/2" BSP        | 1/2" BSP  | Z101108               | 18,13  |
| 3/4" BSP        | 3/4" BSP  | Z101112               | 20,26  |
| 1" BSP          | 1" BSP    | Z101116               | 42,39  |
| 1"1/4 BSP       | 1"1/4 BSP | Z101120               | 77,88  |
| 1"1/2 BSP       | 1"1/2 BSP | Z101124               | 84,80  |
| 2" BSP          | 2" BSP    | Z101132               | 119,48 |

## Reducer male adaptor BSP 60° - male BSP 60°

Reductor macho - macho BSP cono 60°

Reduziernippel AGR-AGR

Réduction mâle BSP - mâle BSP cône 60°



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €      |
|-----------------|------------|-----------------------|--------|
| 1/8" BSP        | 1/4" BSP   | Z10200204             | 9,88   |
| 1/8" BSP        | 1/4" BSP   | Z10200204H19          | 13,27  |
| 1/8" BSP        | 3/8" BSP   | Z10200206             | 14,33  |
| 1/8" BSP        | 1/2" BSP   | Z10200208             | 19,41  |
| 1/4" BSP        | 3/8" BSP   | Z10200406             | 10,92  |
| 1/4" BSP        | 1/2" BSP   | Z10200408             | 15,14  |
| 1/4" BSP        | 3/4" BSP   | Z10200412             | 27,25  |
| 3/8" BSP        | 1/2" BSP   | Z10200608             | 15,03  |
| 3/8" BSP        | 3/4" BSP   | Z10200612             | 24,19  |
| 3/8" BSP        | 1" BSP     | Z10200616             | 39,65  |
| 1/2" BSP        | 3/4" BSP   | Z10200812             | 21,66  |
| 1/2" BSP        | 1" BSP     | Z10200816             | 37,94  |
| 1/2" BSP        | 1"1/4 BSP  | Z10200820*            | 64,66  |
| 1/2" BSP        | 1"1/2 BSP  | Z10200824*            | 86,92  |
| 5/8" BSP        | 1/2" BSP   | Z10201008             | 33,16  |
| 5/8" BSP        | 3/4" BSP   | Z10201012             | 34,97  |
| 3/4" BSP        | 1" BSP     | Z10201216             | 40,35  |
| 3/4" BSP        | 1"1/4 BSP  | Z10201220             | 63,75  |
| 1" BSP          | 1"1/4 BSP  | Z10201620             | 58,36  |
| 1" BSP          | 1"1/2 BSP  | Z10201624             | 74,71  |
| 1"1/4 BSP       | 1"1/2 BSP  | Z10202024             | 77,87  |
| 1"1/4 BSP       | 2" BSP     | Z10202032             | 145,52 |
| 1"1/2 BSP       | 2" BSP     | Z10202432             | 122,32 |
| 1"1/2 BSP       | 2" BSP     | Z10202432H70          | 153,27 |
| 2" BSP          | 2" 1/2 BSP | Z10203240             | 262,01 |
| 2" BSP          | 3" BSP     | Z10203248             | 340,87 |
| 2"1/2 BSP       | 3" BSP     | Z10204048             | 332,55 |

\*Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Reducer male adaptor BSP 60° - male BSP 60° captive seal

Reductor macho - macho BSP cono 60° con junta encastrada

Reduziernippel AGR-AGR WD

Réduction mâle BSP - mâle BSP cône 60° avec joint plat



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €     |
|-----------------|----------|-----------------------|-------|
| 1/4" BSP        | 3/8" BSP | Z10200406WD           | 19,14 |
| 1/4" BSP        | 1/2" BSP | Z10200408WD           | 28,50 |
| 3/8" BSP        | 1/2" BSP | Z10200608WD           | 24,46 |
| 1/2" BSP        | 3/4" BSP | Z10200812WD           | 31,85 |
| 3/4" BSP        | 1" BSP   | Z10201216WD           | 49,95 |

## BSP Adaptors

Adaptadores BSP

Adapter BSP

Adapteurs BSP

### Adaptor male BSPT - male BSPT

Adaptador macho - macho BSPT

Doppelnippel AGRR-AGRR

Adapteur mâle gaz conique BSPT - mâle gaz conique BSPT



| ROSCA<br>THREAD |             | Referencia<br>Part n° | €      |
|-----------------|-------------|-----------------------|--------|
| 1/4" BSPT       | 1/8" BSPT   | Z10160402             | 15,04  |
| 1/4" BSPT       | 1/4" BSPT   | Z10160404             | 9,54   |
| 1/4" BSPT       | 3/8" BSPT   | Z10160406             | 14,04  |
| 3/8" BSPT       | 3/8" BSPT   | Z10160606             | 13,77  |
| 1/2" BSPT       | 1/2" BSPT   | Z10160808             | 15,65  |
| 3/4" BSPT       | 3/4" BSPT   | Z10161212             | 20,46  |
| 1" BSPT         | 3/4" BSPT   | Z10161612             | 43,56  |
| 1" BSPT         | 1" BSPT     | Z10161616             | 41,49  |
| 1" 1/4 BSPT     | 1" 1/4 BSPT | Z10162020             | 73,36  |
| 1" 1/2 BSPT     | 1" 1/2 BSPT | Z10162424             | 88,85  |
| 2" BSPT         | 2" BSPT     | Z10163232             | 136,62 |

### Adaptor male BSP 60° - male NPT

Adaptador macho BSP 60° - macho NPT

Doppelnippel AGR-AGN

Adapteur mâle BSP cône 60° - mâle BRIGGS (NPT)



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €      |
|-----------------|------------|-----------------------|--------|
| 1/8" BSP        | 1/8" NPT   | Z101402               | 12,69  |
| 1/4" BSP        | 1/4" NPT   | Z101404               | 9,15   |
| 3/8" BSP        | 3/8" NPT   | Z101406               | 12,55  |
| 1/2" BSP        | 1/2" NPT   | Z101408               | 13,50  |
| 3/4" BSP        | 3/4" NPT   | Z101412               | 20,02  |
| 1" BSP          | 1" NPT     | Z101416               | 30,74  |
| 1" 1/4 BSP      | 1" 1/4 NPT | Z101420               | 55,04  |
| 1" 1/2 BSP      | 1" 1/2 NPT | Z101424               | 69,94  |
| 2" BSP          | 2" NPT     | Z101432               | 115,29 |

### Reducer adaptor male BSP 60° - male NPT

Reductor macho BSP 60° - macho NPT

Reduziernippel AGR-AGN

Réduction mâle BSP cône 60° - mâle BRIGGS NPT



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €      |
|-----------------|------------|-----------------------|--------|
| 1/8" BSP        | 1/4" NPT   | Z10240204             | 16,61  |
| 1/4" BSP        | 1/8" NPT   | Z10240402             | 17,70  |
| 1/4" BSP        | 3/8" NPT   | Z10240406             | 14,91  |
| 1/4" BSP        | 1/2" NPT   | Z10240408             | 20,41  |
| 3/8" BSP        | 1/4" NPT   | Z10240604             | 16,83  |
| 3/8" BSP        | 1/2" NPT   | Z10240608             | 18,76  |
| 3/8" BSP        | 3/4" NPT   | Z10240612             | 23,51  |
| 1/2" BSP        | 3/8" NPT   | Z10240806             | 19,37  |
| 1/2" BSP        | 3/4" NPT   | Z10240812             | 22,02  |
| 5/8" BSP        | 3/4" NPT   | Z10241012             | 39,08  |
| 3/4" BSP        | 1/4" NPT   | Z10241204             | 37,07  |
| 3/4" BSP        | 3/8" NPT   | Z10241206             | 27,03  |
| 3/4" BSP        | 1/2" NPT   | Z10241208             | 28,27  |
| 3/4" BSP        | 1" NPT     | Z10241216             | 38,03  |
| 3/4" BSP        | 1" 1/4 NPT | Z10241220             | 73,36  |
| 3/4" BSP        | 1" 1/2 NPT | Z10241224             | 85,96  |
| 1" BSP          | 1/2" NPT   | Z10241608             | 36,28  |
| 1" BSP          | 3/4" NPT   | Z10241612             | 35,18  |
| 1" BSP          | 1" 1/4 NPT | Z10241620             | 62,24  |
| 1" 1/4 BSP      | 1" NPT     | Z10242016             | 66,73  |
| 1" 1/4 BSP      | 1" 1/2 NPT | Z10242024             | 83,68  |
| 1" 1/2 BSP      | 1" 1/4 NPT | Z10242420             | 91,04  |
| 1" 1/2 BSP      | 2" NPT     | Z10242432             | 122,07 |
| 2" BSP          | 1" 1/2 NPT | Z10243224             | 117,64 |

### Adaptor male BSP 60° - male BSPT

Adaptador macho BSP 60° - macho BSPT

Doppelnippel AGR-AGRR

Adapteur mâle BSP cône 60° - mâle gaz conique BSPT



| ROSCA<br>THREAD |             | Referencia<br>Part n° | €      |
|-----------------|-------------|-----------------------|--------|
| 1/8" BSP        | 1/8" BSPT   | Z101202               | 10,26  |
| 1/4" BSP        | 1/4" BSPT   | Z101204               | 8,86   |
| 3/8" BSP        | 3/8" BSPT   | Z101206               | 10,05  |
| 1/2" BSP        | 1/2" BSPT   | Z101208               | 12,41  |
| 3/4" BSP        | 3/4" BSPT   | Z101212               | 17,73  |
| 1" BSP          | 1" BSPT     | Z101216               | 35,33  |
| 1" 1/4 BSP      | 1" 1/4 BSPT | Z101220               | 52,27  |
| 1" 1/2 BSP      | 1" 1/2 BSPT | Z101224               | 68,31  |
| 2" BSP          | 2" BSPT     | Z101232               | 115,48 |

# BSP Adaptors

Adaptadores BSP  
Adapter BSP  
Adapteurs BSP

## Reducer adaptor male BSP 60° - male BSPT

Reductor macho BSP 60° - macho BSPT

Reduziernippel AGR-AGRR

Réduction mâle BSP cône 60° - mâle gaz conique BSPT



| ROSCA<br>THREAD |             | Referencia<br>Part n° | €      |
|-----------------|-------------|-----------------------|--------|
| 1/8" BSP        | 1/4" BSPT   | Z10220204             | 21,21  |
| 1/4" BSP        | 1/8" BSPT   | Z10220402             | 14,95  |
| 1/4" BSP        | 3/8" BSPT   | Z10220406             | 16,56  |
| 1/4" BSP        | 1/2" BSPT   | Z10220408             | 19,23  |
| 1/4" BSP        | 3/4" BSPT   | Z10220412             | 36,11  |
| 3/8" BSP        | 1/2" BSPT   | Z10220608             | 14,19  |
| 3/8" BSP        | 3/4" BSPT   | Z10220612             | 28,44  |
| 1/2" BSP        | 1/4" BSPT   | Z10220804             | 23,90  |
| 1/2" BSP        | 3/8" BSPT   | Z10220806             | 17,77  |
| 1/2" BSP        | 3/4" BSPT   | Z10220812             | 22,95  |
| 1/2" BSP        | 1" BSPT     | Z10220816             | 39,47  |
| 5/8" BSP        | 3/4" BSPT   | Z10221012             | 22,48  |
| 3/4" BSP        | 1/4" BSPT   | Z10221204             | 29,19  |
| 3/4" BSP        | 3/8" BSPT   | Z10221206             | 21,47  |
| 3/4" BSP        | 1/2" BSPT   | Z10221208             | 22,23  |
| 3/4" BSP        | 1" BSPT     | Z10221216             | 31,56  |
| 1" BSP          | 3/4" BSPT   | Z10221612             | 31,98  |
| 1" BSP          | 1"1/4 BSPT  | Z10221620             | 61,62  |
| 1" BSP          | 2" BSPT     | Z10221632             | 131,55 |
| 1"1/4 BSP       | 1" BSPT     | Z10222016             | 67,57  |
| 1"1/4 BSP       | 1"1/2 BSPT  | Z10222024             | 73,30  |
| 1"1/4 BSP       | 2" BSPT     | Z10222032             | 142,06 |
| 1 1/2" BSP      | 1" 1/4 BSPT | Z10222420             | 76,86  |
| 1"1/2 BSP       | 2" BSPT     | Z10222432             | 134,15 |

## Adaptor male BSP 60° - fixed female BSP

Prolongador macho BSP 60° - hembra fija BSP

Adapter AGR-IGR

Prolongateur mâle BSP cône 60° - femelle gaz fixe



| ROSCA(M)<br>THREAD (M) | ROSCA(H)<br>THREAD(F) | Referencia<br>Part n° | €      |
|------------------------|-----------------------|-----------------------|--------|
| 1/8" BSP               | 1/8" BSP              | Z106002               | 13,87  |
| 1/4" BSP               | 1/4" BSP              | Z106004               | 13,81  |
| 3/8" BSP               | 3/8" BSP              | Z106006               | 14,43  |
| 1/2" BSP               | 1/2" BSP              | Z106008               | 18,84  |
| 3/4" BSP               | 3/4" BSP              | Z106012               | 24,53  |
| 1" BSP                 | 1" BSP                | Z106016               | 40,13  |
| 1"1/4 BSP              | 1"1/4 BSP             | Z106020               | 75,98  |
| 1"1/2 BSP              | 1"1/2 BSP             | Z106024               | 83,47  |
| 2" BSP                 | 2" BSP                | Z106032               | 143,15 |

## Reducer adaptor male BSP 60° - fixed female BSP

Reductor macho BSP 60° - hembra fija BSP

Reduzierstück AGR fest - IGR fest

Prolongateur réducteur mâle BSP cône 60° - femelle gaz



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| 1/8" BSP                | 1/4" BSP                | Z10600204             | 17,70  |
| 1/8" BSP                | 3/8" BSP                | Z10600206             | 22,61  |
| 1/4" BSP                | 1/8" BSP                | Z10600402             | 18,84  |
| 1/4" BSP                | 3/8" BSP                | Z10600406             | 20,67  |
| 1/4" BSP                | 1/2" BSP                | Z10600408             | 25,09  |
| 3/8" BSP                | 1/4" BSP                | Z10600604             | 16,70  |
| 3/8" BSP                | 1/2" BSP                | Z10600608             | 21,50  |
| 1/2" BSP                | 1/4" BSP                | Z10600804             | 23,70  |
| 1/2" BSP                | 3/8" BSP                | Z10600806             | 19,16  |
| 1/2" BSP                | 3/4" BSP                | Z10600812             | 26,85  |
| 1/2" BSP                | 1" BSP                  | Z10600816             | 47,72  |
| 3/4" BSP                | 3/8" BSP                | Z10601206             | 23,56  |
| 3/4" BSP                | 1/2" BSP                | Z10601208             | 22,89  |
| 3/4" BSP                | 1" BSP                  | Z10601216             | 41,74  |
| 1" BSP                  | 3/4" BSP                | Z10601612             | 44,55  |
| 1" BSP                  | 1"1/4 BSP               | Z10601620             | 77,35  |
| 1" BSP                  | 1"1/2 BSP               | Z10601624             | 106,14 |
| 1"1/4 BSP               | 1" BSP                  | Z10602016             | 70,07  |
| 1"1/2 BSP               | 1"1/4 BSP               | Z10602420             | 92,60  |
| 1"1/2 BSP               | 2" BSP                  | Z10602432             | 144,16 |
| 2" BSP                  | 1"1/2 BSP               | Z10603224             | 145,07 |

## Adaptor male BSPT - fixed female BSP

Prolongador macho BSPT - hembra fija BSP

Adapter AGR BSPT - IG BSP

Prolongateur mâle BSPT - femelle gaz fixe



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €     |
|-----------------|----------|-----------------------|-------|
| 1/4" BSPT       | 1/4" BSP | Z106104               | 13,03 |
| 3/8" BSPT       | 3/8" BSP | Z106106               | 16,69 |
| 1/2" BSPT       | 1/2" BSP | Z106108               | 23,75 |
| 3/4" BSPT       | 3/4" BSP | Z106112               | 29,62 |
| 1" BSPT         | 1" BSP   | Z106116               | 54,57 |

NEW

## BSP Adaptors

Adaptadores BSP

Adapter BSP

Adpteurs BSP

### Adaptor BSP 60° swivel female - BSP 60° swivel female

Adaptador hembra giratoria - hembra giratoria BSP 60°

Adapter BSP (60°) w mit Drallmutter

Adapteur femelle tournante BSP 60° - femelle tournante BSP 60°



| ROSCA<br>THREAD | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-----------------|-------------------------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP                | Z117204               | 19,33  |
| 3/8" BSP        | 3/8" BSP                | Z117206               | 20,90  |
| 1/2" BSP        | 1/2" BSP                | Z117208               | 25,67  |
| 3/4" BSP        | 3/4" BSP                | Z117212               | 38,05  |
| 1" BSP          | 1" BSP                  | Z117216               | 64,84  |
| 1" 1/4 BSP      | 1" 1/4 BSP              | Z117220               | 97,21  |
| 1" 1/2 BSP      | 1" 1/2 BSP              | Z117224               | 109,19 |
| 2" BSP          | 2" BSP                  | Z117232               | 182,31 |

### Adaptor male BSP 60° - swivel female BSP 60°

Adaptador macho - hembra giratoria BSP cono 60°

Adapter m - w mit Drallmutter BSP kon. 60°

Adapteur mâle BSP - femelle tournante BSP cône 60°



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| 1/8" BSP                | 1/8" BSP                | Z117002               | 17,19  |
| 1/4" BSP                | 1/4" BSP                | Z117004               | 13,98  |
| 1/4" BSP                | 1/4" BSP                | Z117004H19            | 21,64  |
| 3/8" BSP                | 3/8" BSP                | Z117006               | 17,32  |
| 1/2" BSP                | 1/2" BSP                | Z117008               | 23,91  |
| 3/4" BSP                | 3/4" BSP                | Z117012               | 30,29  |
| 1" BSP                  | 1" BSP                  | Z117016               | 53,70  |
| 1" 1/4 BSP              | 1" 1/4 BSP              | Z117020               | 86,90  |
| 1" 1/2 BSP              | 1" 1/2 BSP              | Z117024               | 105,67 |
| 2" BSP                  | 2" BSP                  | Z117032               | 191,98 |

### Reducer male BSP 60° - swivel female BSP 60°

Reductor macho - hembra giratoria BSP cono 60°

Reduziernippel AGR-DKR

Réduction mâle BSP - femelle tournante BSP cône 60°



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| 1/8" BSP                | 1/4" BSP                | Z11730204             | 17,17  |
| 1/4" BSP                | 1/8" BSP                | Z11730402             | 19,72  |
| 1/4" BSP                | 3/8" BSP                | Z11730406             | 21,74  |
| 3/8" BSP                | 1/4" BSP                | Z11730604             | 24,09  |
| 3/8" BSP                | 1/2" BSP                | Z11730608             | 23,67  |
| 1/2" BSP                | 3/8" BSP                | Z11730806             | 25,44  |
| 1/2" BSP                | 3/4" BSP                | Z11730812             | 32,38  |
| 3/4" BSP                | 1/2" BSP                | Z11731208             | 34,97  |
| 3/4" BSP                | 1" BSP                  | Z11731216             | 53,75  |
| 1" BSP                  | 3/4" BSP                | Z11731612             | 54,53  |
| 1" BSP                  | 1" 1/4 BSP              | Z11731620             | 87,19  |
| 1" 1/4 BSP              | 1" BSP                  | Z11732016             | 104,85 |
| 1" 1/4 BSP              | 1" 1/2 BSP              | Z11732024             | 115,41 |
| 1" 1/2 BSP              | 1" 1/4 BSP              | Z11732420             | 115,89 |
| 1" 1/2 BSP              | 2" BSP                  | Z11732432             | 176,11 |
| 2" BSP                  | 1" 1/2 BSP              | Z11733224             | 177,69 |

## BSP Adaptors

Adaptadores BSP  
Adapter BSP  
Adapteurs BSP

### Reducer plug male BSP 60° - fixed female BSP

Tapón reductor macho BSP 60° - hembra fija BSP

Reduziernippel AGR-IGR fest

Bouchon réducteur mâle BSP cône 60° - femelle gaz



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| 1/4" BSP                | 1/8" BSP                | Z11500402             | 11,44  |
| 3/8" BSP                | 1/8" BSP                | Z11500602             | 15,37  |
| 3/8" BSP                | 1/4" BSP                | Z11500604             | 15,59  |
| 1/2" BSP                | 1/4" BSP                | Z11500804             | 17,83  |
| 1/2" BSP                | 3/8" BSP                | Z11500806             | 16,49  |
| 3/4" BSP                | 1/2" BSP                | Z11501208             | 19,59  |
| 1" BSP                  | 1/2" BSP                | Z11501608             | 31,47  |
| 1" BSP                  | 3/4" BSP                | Z11501612             | 28,08  |
| 1" 1/4 BSP              | 3/4" BSP                | Z11502012             | 49,00  |
| 1" 1/4 BSP              | 1" BSP                  | Z11502016             | 48,70  |
| 1" 1/2 BSP              | 1" BSP                  | Z11502416             | 66,62  |
| 2" BSP                  | 1" BSP                  | Z11503216             | 98,02  |
| 2" BSP                  | 1" 1/2 BSP              | Z11503224             | 105,90 |

### BSP fixed female plug

Tapón hembra hexagonal rosca BSP

Verschlussmutter fest BSP

Bouchon femelle gaz



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4" BSP        | Z107204               | 13,18 |
| 3/8" BSP        | Z107206               | 13,24 |
| 1/2" BSP        | Z107208               | 14,11 |
| 3/4" BSP        | Z107212               | 23,29 |
| 1" BSP          | Z107216               | 28,54 |
| 1" 1/4 BSP      | Z107220               | 49,56 |
| 1" 1/2 BSP      | Z107224               | 64,10 |
| 2" BSP          | Z107232               | 90,70 |

### BSP male hexagonal plug

Tapón macho hexagonal rosca BSP 60°

Verschlusssschraube BSP

Bouchon mâle BSP cône 60°



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" BSP        | Z107002               | 12,50 |
| 1/4" BSP        | Z107004               | 8,69  |
| 3/8" BSP        | Z107006               | 10,19 |
| 1/2" BSP        | Z107008               | 12,15 |
| 3/4" BSP        | Z107012               | 16,20 |
| 1" BSP          | Z107016               | 28,12 |
| 1" 1/4 BSP      | Z107020               | 48,60 |
| 1" 1/2 BSP      | Z107024               | 67,41 |
| 2" BSP          | Z107032               | 78,97 |

### BSP swivel female plug

Tapón hembra giratoria BSP cono 60°

Verschlussmutter BSP 60° kon.

Bouchon femelle tournante BSP cône 60°



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/4" BSP        | Z107504               | 9,29   |
| 3/8" BSP        | Z107506               | 12,21  |
| 1/2" BSP        | Z107508               | 14,18  |
| 3/4" BSP        | Z107512               | 21,94  |
| 1" BSP          | Z107516               | 32,38  |
| 1" 1/4 BSP      | Z107520               | 55,25  |
| 1" 1/2 BSP      | Z107524               | 82,45  |
| 2" BSP          | Z107532               | 137,61 |



## BSP Adaptors

Adaptadores BSP

Adapter BSP

Adapteurs BSP

### Adaptor female fixed BSP - female fixed BSP

Manguito redondo roscado hembra BSP

Runde Hülse mit BSP-Innengewinde

Manchon femelle gaz ronde



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" BSP        | Z131002               | 7,79  |
| 1/4" BSP        | Z131004               | 7,69  |
| 3/8" BSP        | Z131006               | 11,53 |
| 1/2" BSP        | Z131008               | 16,61 |
| 5/8" BSP        | Z131010               | 25,36 |
| 3/4" BSP        | Z131012               | 25,64 |
| 1" BSP          | Z131016               | 30,31 |
| 1"1/4 BSP       | Z131020               | 45,63 |
| 1"1/2 BSP       | Z131024               | 59,77 |
| 2" BSP          | Z131032               | 91,91 |

### Adaptor hexagonal female fixed BSP - female fixed BSP

Manguito hexagonal roscado hembra BSP

Doppelmuffe IGR fest - IGR fest

Manchon femelle gaz - femelle gaz hexagone



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4" BSP        | Z103104               | 6,98  |
| 3/8" BSP        | Z103106               | 10,01 |
| 1/2" BSP        | Z103108               | 18,45 |
| 3/4" BSP        | Z103112               | 26,28 |
| 1" BSP          | Z103116               | 41,82 |
| 1"1/4 BSP       | Z103120               | 83,52 |
| 1"1/2 BSP       | Z103124               | 94,61 |

### Reducer hexagonal female fixed BSP - female fixed BSP

Manguito reducción hexagonal roscado hembra BSP

Reduziernippel IGR fest - IGR fest

Manchon réducteur femelle gaz - femelle gaz hexagone



| ROSCA<br>THREAD | Referencia<br>Part n°                                 | €     |
|-----------------|-------------------------------------------------------|-------|
| 3/8" BSP        | 1/4" BSP Z10310604                                    | 18,77 |
| 1/2" BSP        | 1/4" BSP Z10310804                                    | 24,24 |
| 1/2" BSP        | 3/8" BSP Z10310806                                    | 25,74 |
| 3/4" BSP        | 1/2" BSP Z10311208                                    | 37,11 |
| 1" BSP          | 3/4" BSP Z10311612                                    | 78,31 |
| 1"1/4 BSP       | 1" BSP <span style="color: red;">NEW</span> Z10312016 | 86,74 |

### Straight bulkhead adaptor BSP 60° without nut

Pasatabiques sin tuerca BSP cono 60°

Gerader Schottadapter DIN 3910 Form ohne M+S - GSA-X

Passe-cloison mâle BSP 60° - mâle BSP 60° sans équiper



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/4" BSP        | Z116004               | 17,31  |
| 3/8" BSP        | Z116006               | 20,31  |
| 1/2" BSP        | Z116008               | 27,29  |
| 3/4" BSP        | Z116012               | 32,66  |
| 1" BSP          | Z116016               | 56,43  |
| 1" 1/4 BSP      | Z116020               | 89,33  |
| 1" 1/2 BSP      | Z116024               | 121,28 |
| 2" BSP          | Z116032               | 188,59 |

### Conter nut for BSP bulkhead

Tuerca pasatabiques BSP

Gegenmuttern DIN 80705 für Schottverschraubungen - GM

Contre-écrou passe-cloison gaz



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4" BSP        | Z116104               | 3,92  |
| 3/8" BSP        | Z116106               | 5,26  |
| 1/2" BSP        | Z116108               | 6,41  |
| 3/4" BSP        | Z116112               | 9,54  |
| 1" BSP          | Z116116               | 14,31 |
| 1" 1/4 BSP      | Z116120               | 23,83 |
| 1" 1/2 BSP      | Z116124               | 31,47 |
| 2" BSP          | Z116132               | 40,64 |

# BSP Adaptors

Adaptadores BSP  
Adapter BSP  
Adapteurs BSP

## BSP Bolt for banjo

Tornillo orientable simple BSP

Einfache Hohlschraube BSP für Ringauge

Vis creuse simple pour banjo BSP



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" BSP        | Z109002               | 20,23 |
| 1/4" BSP        | Z109004               | 15,02 |
| 3/8" BSP        | Z109006               | 18,96 |
| 1/2" BSP        | Z109008               | 22,30 |
| 3/4" BSP        | Z109012               | 46,32 |
| 1" BSP          | Z109016               | 59,61 |

## Metric bolt for banjo

Tornillo orientable simple Métrico

Einfache Hohlschraube metr. für Ringauge

Vis creuse simple for banjo Métrique



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| M12X1.5         | Z109212               | 15,14 |
| M14X1.5         | Z109214               | 16,19 |
| M16X1.5         | Z109216               | 16,99 |
| M18X1.5         | Z109218               | 18,87 |
| M22X1.5         | Z109222               | 21,10 |
| M26X1.5         | Z109226               | 41,49 |
| M30X2           | Z109230               | 51,33 |

## BSP Banjo-BSP male (60°)

Esférico BSP - macho BSP (60°)

Ringauge BSP-m BSP (60°)

Banjo passage gaz x mâle BSP (60°)



| ROSCA<br>THREAD | Ø    | Referencia<br>Part n° | €      |
|-----------------|------|-----------------------|--------|
| 1/4" BSP        | 1/4" | Z114004               | 45,90  |
| 3/8" BSP        | 3/8" | Z114006               | 55,32  |
| 1/2" BSP        | 1/2" | Z114008               | 77,63  |
| 3/4" BSP        | 3/4" | Z114012               | 110,49 |
| 1" BSP          | 1"   | Z114016               | 173,81 |

## BSP Bonded Seal FKM Self-centering

Juntas metal FKM Gas Autocentrantes

USIT-Ringe FKM GAS Selbstzentrierend

Bague BS gaz FKM auto-centrée



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" BSP        | ZVT21002              | 1,33  |
| 1/4" BSP        | ZVT21004              | 1,38  |
| 3/8" BSP        | ZVT21006              | 1,67  |
| 1/2" BSP        | ZVT21008              | 2,23  |
| 5/8" BSP        | ZVT21010              | 4,18  |
| 3/4" BSP        | ZVT21012              | 2,95  |
| 1" BSP          | ZVT21016              | 5,39  |
| 1" 1/4 BSP      | ZVT21020              | 8,61  |
| 1" 1/2 BSP      | ZVT21024              | 10,51 |
| 2" BSP          | ZVT21032              | 13,78 |
| 2" 1/2 BSP      | ZVT21040              | 39,12 |

## Metric Bonded Seal in FKM Self-centering

Juntas metal FKM Métricas Autocentrantes

USIT-Dichtringe FKM metr.Selbstzentrierend

Bague BS Métrique FKM auto-centrée



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| M6X1            | ZVT32006              | 0,64  |
| M8X1            | ZVT32008              | 1,56  |
| M10X1           | ZVT32010              | 1,99  |
| M12X1,5         | ZVT32012              | 1,48  |
| M14X1,5         | ZVT32014              | 1,94  |
| M16X1,5         | ZVT32016              | 2,11  |
| M18X1,5         | ZVT32018              | 2,24  |
| M20X1,5         | ZVT32020              | 3,33  |
| M22X1,5         | ZVT32022              | 2,93  |
| M24X1.5         | ZVT32024              | 6,22  |
| M26X1.5         | ZVT32026              | 5,42  |
| M27X1,5         | ZVT32027              | 5,71  |
| M30X2           | ZVT32030              | 9,47  |
| M36X2           | ZVT32036              | 11,80 |
| M42X2           | ZVT32042              | 14,22 |
| M48X2           | ZVT32048              | 17,51 |

## BSP Adaptors

Adaptadores BSP

Adapter BSP

Adapteurs BSP

### 90° Elbow swivel female BSP 60° - male BSP 60°

Codo 90° macho - hembra giratoria BSP cono 60°

90° Winkel AGR-DKR

Adapteur coude 90° accessoirel mâle BSP - femelle tournante BSP cône 60°



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP  | Z119404               | 48,76  |
| 3/8" BSP        | 3/8" BSP  | Z119406               | 55,23  |
| 1/2" BSP        | 1/2" BSP  | Z119408               | 59,82  |
| 3/4" BSP        | 3/4" BSP  | Z119412               | 85,27  |
| 1" BSP          | 1" BSP    | Z119416               | 107,04 |
| 1"1/4 BSP       | 1"1/4 BSP | Z119420               | 177,20 |
| 1"1/2 BSP       | 1"1/2 BSP | Z119424               | 227,05 |
| 2" BSP          | 2" BSP    | Z119432               | 344,56 |

### 90° Elbow swivel female BSP 60° - swivel female BSP 60°

Codo 90° hembra giratoria - hembra giratoria BSP cono 60°

90° Winkel DKR-DKR

Adapteur coude 90° femelle tournante BSP - femelle tournante cône 60°



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP  | ZA119604              | 33,17  |
| 3/8" BSP        | 3/8" BSP  | ZA119606              | 43,49  |
| 1/2" BSP        | 1/2" BSP  | ZA119608              | 50,42  |
| 3/4" BSP        | 3/4" BSP  | ZA119612              | 62,41  |
| 1" BSP          | 1" BSP    | ZA119616              | 96,46  |
| 1"1/4 BSP       | 1"1/4 BSP | ZA119620              | 162,28 |

### 45° Elbow swivel female BSP 60° - male BSP 60°

Codo 45° macho - hembra giratoria BSP cono 60°

45° Bogen AGR-DKR

Adapteur coude 45° accessoirel mâle BSP - femelle tournante BSP cône 60°



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP  | Z119504               | 52,55  |
| 3/8" BSP        | 3/8" BSP  | Z119506               | 55,23  |
| 1/2" BSP        | 1/2" BSP  | Z119508               | 62,41  |
| 3/4" BSP        | 3/4" BSP  | Z119512               | 83,74  |
| 1" BSP          | 1" BSP    | Z119516               | 101,79 |
| 1"1/4 BSP       | 1"1/4 BSP | Z119520               | 192,37 |
| 1"1/2 BSP       | 1"1/2 BSP | Z119524               | 247,44 |
| 2" BSP          | 2" BSP    | Z119532               | 422,31 |

### 45° Elbow swivel female BSP 60° - swivel female BSP 60°

Codo 45° hembra giratoria - hembra giratoria BSP cono 60°

45° Bogen DKR-DKR

Adapteur coude 45° femelle tournante BSP - femelle tournante cône 60°



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP  | ZA119504              | 41,25  |
| 3/8" BSP        | 3/8" BSP  | ZA119506              | 45,29  |
| 1/2" BSP        | 1/2" BSP  | ZA119508              | 52,99  |
| 3/4" BSP        | 3/4" BSP  | ZA119512              | 68,33  |
| 1" BSP          | 1" BSP    | ZA119516              | 95,44  |
| 1"1/4 BSP       | 1"1/4 BSP | ZA119520              | 224,25 |

## BSP Adaptors

Adaptadores BSP

Adapter BSP

Adapteurs BSP

### 90° Adaptor male - male BSP 60°

Codo 90° macho - macho BSP cono 60°

90° Winkel BSP 90 X BSP 90

Adapteur coude 90° mâle BSP - mâle BSP cône 60° forge



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/8" BSP        | 1/8" BSP  | Z1190002              | 28,53  |
| 1/4" BSP        | 1/4" BSP  | Z1190004              | 25,74  |
| 3/8" BSP        | 3/8" BSP  | Z1190006              | 29,53  |
| 1/2" BSP        | 1/2" BSP  | Z1190008              | 39,51  |
| 3/4" BSP        | 3/4" BSP  | Z1190012              | 54,37  |
| 1" BSP          | 1" BSP    | Z1190016              | 80,76  |
| 1"1/4 BSP       | 1"1/4 BSP | Z1190020              | 155,37 |
| 1"1/2 BSP       | 1"1/2 BSP | Z1190024              | 165,49 |

### 90° Adaptor male BSP 60° - male BSPT

Codo 90° macho BSP 60° - macho BSPT

90° Winkel AGR-AG BSPT

Adapteur coude 90° mâle BSP cône 60° - mâle gaz conique BSPT forge



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €      |
|-----------------|------------|-----------------------|--------|
| 1/8" BSP        | 1/8" BSPT  | Z119202               | 28,04  |
| 1/4" BSP        | 1/4" BSPT  | Z119204               | 21,32  |
| 3/8" BSP        | 3/8" BSPT  | Z119206               | 30,09  |
| 1/2" BSP        | 1/2" BSPT  | Z119208               | 38,33  |
| 3/4" BSP        | 3/4" BSPT  | Z119212               | 54,47  |
| 1" BSP          | 1" BSPT    | Z119216               | 79,65  |
| 1"1/4 BSP       | 1"1/4 BSPT | Z119220               | 137,99 |
| 1"1/2 BSP       | 1"1/2 BSPT | Z119224               | 190,58 |

### 90° Adjustable stud elbow male-male BSP

Codo 90° regulable macho - macho BSP

90° Winkel einstellbar m - m BSP

Coude 90° orientable mâle - mâle BSP



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €      |
|-----------------|----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP | Z119704               | 25,57  |
| 3/8" BSP        | 3/8" BSP | Z119706               | 36,93  |
| 1/2" BSP        | 1/2" BSP | Z119708               | 72,42  |
| 3/4" BSP        | 3/4" BSP | Z119712               | 100,28 |
| 1" BSP          | 1" BSP   | Z119716               | 161,67 |

### 90° Adaptor male BSP 60° - male NPT

Codo 90° macho BSP 60° - macho NPT

90° Winkel AGR-AGN

Adapteur coude 90° mâle BSP 60° - mâle NPT forge



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €     |
|-----------------|----------|-----------------------|-------|
| 1/4" BSP        | 1/4" NPT | Z11910404             | 22,99 |
| 3/8" BSP        | 3/8" NPT | Z11910606             | 32,51 |
| 1/2" BSP        | 1/2" NPT | Z11910808             | 33,99 |
| 3/4" BSP        | 3/4" NPT | Z11911212             | 57,46 |
| 1" BSP          | 1" NPT   | Z11911616             | 72,71 |

### 90° Adaptor male - swivel female BSP 60°

Codo 90° macho - hembra giratoria BSP cono 60°

90° Winkel m - w BSP (60°) kon.

Adapteur coude 90° mâle BSP - femelle tournante BSP cône 60° forge



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/8" BSP        | 1/8" BSP  | Z119302               | 30,82  |
| 1/4" BSP        | 1/4" BSP  | Z119304               | 25,87  |
| 3/8" BSP        | 3/8" BSP  | Z119306               | 36,00  |
| 1/2" BSP        | 1/2" BSP  | Z119308               | 45,27  |
| 3/4" BSP        | 3/4" BSP  | Z119312               | 59,98  |
| 1" BSP          | 1" BSP    | Z119316               | 91,44  |
| 1"1/4 BSP       | 1"1/4 BSP | Z119320               | 157,07 |
| 1"1/2 BSP       | 1"1/2 BSP | Z119324               | 187,49 |

### 90° Adaptor fixed female BSP

Codo 90° hembra fija - hembra fija BSP

90° Winkel w fest BSP

Adapteur coude 90° femelle fixe gaz cylindrique forge



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €     |
|-----------------|----------|-----------------------|-------|
| 1/8" BSP        | 1/8" BSP | Z119602               | 23,39 |
| 1/4" BSP        | 1/4" BSP | Z119604               | 29,28 |
| 3/8" BSP        | 3/8" BSP | Z119606               | 40,46 |
| 1/2" BSP        | 1/2" BSP | Z119608               | 46,57 |
| 3/4" BSP        | 3/4" BSP | Z119612               | 69,92 |
| 1" BSP          | 1" BSP   | Z119616               | 93,28 |

### 90° Adaptor swivel female BSP 60°

Codo 90° hembra giratoria - hembra giratoria BSP cono 60°

90° Winkel w mit Ü-Mutter - w mit Ü-Mutter BSP (60°) kon.

Adapteur coude 90° femelle tournante BSP cône 60° forge



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP  | Z119804               | 34,16  |
| 3/8" BSP        | 3/8" BSP  | Z119806               | 40,78  |
| 1/2" BSP        | 1/2" BSP  | Z119808               | 50,06  |
| 3/4" BSP        | 3/4" BSP  | Z119812               | 66,81  |
| 1" BSP          | 1" BSP    | Z119816               | 126,87 |
| 1"1/4 BSP       | 1"1/4 BSP | Z119820               | 231,52 |
| 1"1/2 BSP       | 1"1/2 BSP | Z119824               | 374,46 |

### 45° Adaptor male - swivel female BSP 60°

Codo 45° macho - hembra giratoria BSP cono 60°

45° Winkel m - w Ü-Mutter BSP 60°

Adapteur coude 45° mâle BSP - femelle tournante BSP cône 60° forge



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €      |
|-----------------|----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSP | Z118304               | 37,84  |
| 3/8" BSP        | 3/8" BSP | Z118306               | 48,21  |
| 1/2" BSP        | 1/2" BSP | Z118308               | 63,05  |
| 3/4" BSP        | 3/4" BSP | Z118312               | 97,73  |
| 1" BSP          | 1" BSP   | Z118316               | 148,29 |

## BSP Adaptors

Adaptadores BSP

Adapter BSP

Adapteurs BSP

### Tees BSP 60° male

Tes macho - macho - macho BSP cono 60°

T-Stück AGR

Adapteurs Té mâle BSP cône 60° forge



| ROSCA<br>THREAD                  | Referencia<br>Part n° | €      |
|----------------------------------|-----------------------|--------|
| 1/4" BSP 1/4" BSP 1/4" BSP       | Z122004               | 31,14  |
| 3/8" BSP 3/8" BSP 3/8" BSP       | Z122006               | 39,24  |
| 1/2" BSP 1/2" BSP 1/2" BSP       | Z122008               | 45,76  |
| 3/4" BSP 3/4" BSP 3/4" BSP       | Z122012               | 54,88  |
| 1" BSP 1" BSP 1" BSP             | Z122016               | 114,38 |
| 1 1/4" BSP 1 1/4" BSP 1 1/4" BSP | Z122020               | 200,41 |
| 1 1/2" BSP 1 1/2" BSP 1 1/2" BSP | Z122024               | 289,09 |

### Tees BSP 60° male - male - swivel female

Tes macho - macho - hembra giratoria BSP 60°

T-Stück AGR-AGR-DKR

Adapteurs Té mâle BSP - mâle BSP - femelle tournante BSP cône 60° forge



| ROSCA (M)<br>THREAD (M) |           | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-----------|-------------------------|-----------------------|--------|
| 1/4" BSP                | 1/4" BSP  | 1/4" BSP                | Z122204               | 36,57  |
| 3/8" BSP                | 3/8" BSP  | 3/8" BSP                | Z122206               | 45,51  |
| 1/2" BSP                | 1/2" BSP  | 1/2" BSP                | Z122208               | 52,60  |
| 3/4" BSP                | 3/4" BSP  | 3/4" BSP                | Z122212               | 94,21  |
| 1" BSP                  | 1" BSP    | 1" BSP                  | Z122216               | 167,05 |
| 1 1/4 BSP               | 1 1/4 BSP | 1 1/4 BSP               | Z122220               | 242,82 |
| 1 1/2 BSP               | 1 1/2 BSP | 1 1/2 BSP               | Z122224               | 355,30 |

### Tees BSP 60° male - swivel female - male

Tes macho - hembra giratoria - macho BSP 60°

T-Stück AGR-DKR-AGR

Adapteurs Té mâle BSP - femelle tournante - mâle BSP cône 60° forge



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | ROSCA (M)<br>THREAD (M) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-------------------------|-----------------------|--------|
| 1/4" BSP                | 1/4" BSP                | 1/4" BSP                | Z122404               | 37,53  |
| 3/8" BSP                | 3/8" BSP                | 3/8" BSP                | Z122406               | 48,17  |
| 1/2" BSP                | 1/2" BSP                | 1/2" BSP                | Z122408               | 63,50  |
| 3/4" BSP                | 3/4" BSP                | 3/4" BSP                | Z122412               | 101,46 |
| 1" BSP                  | 1" BSP                  | 1" BSP                  | Z122416               | 166,49 |
| 1 1/4 BSP               | 1 1/4 BSP               | 1 1/4 BSP               | Z122420               | 223,24 |
| 1 1/2 BSP               | 1 1/2 BSP               | 1 1/2 BSP               | Z122424               | 300,13 |

### Tees BSP 60° swivel female

Tes hembras giratorias BSP cono 60°

T-Stücke DKR

Adapteurs Té femelle tournante BSP cône 60° forge



| ROSCA<br>THREAD                  | Referencia<br>Part n° | €      |
|----------------------------------|-----------------------|--------|
| 1/4" BSP 1/4" BSP 1/4" BSP       | Z122804               | 46,88  |
| 3/8" BSP 3/8" BSP 3/8" BSP       | Z122806               | 54,38  |
| 1/2" BSP 1/2" BSP 1/2" BSP       | Z122808               | 67,63  |
| 3/4" BSP 3/4" BSP 3/4" BSP       | Z122812               | 118,25 |
| 1" BSP 1" BSP 1" BSP             | Z122816               | 142,26 |
| 1 1/4" BSP 1 1/4" BSP 1 1/4" BSP | Z122820               | 283,51 |
| 1 1/2" BSP 1 1/2" BSP 1 1/2" BSP | Z122824               | 375,55 |

### Tees fixed female BSP

Tes hembras fijas BSP

T-BSP IGR fest

Adapteurs Té femelle gaz forge



| ROSCA<br>THREAD            | Referencia<br>Part n° | €      |
|----------------------------|-----------------------|--------|
| 1/4" BSP 1/4" BSP 1/4" BSP | Z122604               | 35,18  |
| 3/8" BSP 3/8" BSP 3/8" BSP | Z122606               | 47,44  |
| 1/2" BSP 1/2" BSP 1/2" BSP | Z122608               | 55,77  |
| 3/4" BSP 3/4" BSP 3/4" BSP | Z122612               | 83,50  |
| 1" BSP 1" BSP 1" BSP       | Z122616               | 126,05 |

### Tees BSP 60° male - NPT male center - BSP 60° male

Tes macho BSP 60° - macho NPT central - macho BSP 60°

T-Verschraubungen m BSP 60° - m NPT zentral - m BSP 60°

Adapteurs Té mâle BSP 60° - mâle NPT central - mâle BSP 60° forge



| ROSCA<br>THREAD            | Referencia<br>Part n° | €      |
|----------------------------|-----------------------|--------|
| 1/4" BSP 1/4" NPT 1/4" BSP | Z12210404             | 35,04  |
| 3/8" BSP 3/8" NPT 3/8" BSP | Z12210606             | 47,34  |
| 1/2" BSP 1/2" NPT 1/2" BSP | Z12210808             | 72,65  |
| 3/4" BSP 3/4" NPT 3/4" BSP | Z12211212             | 81,22  |
| 1" BSP 1" NPT 1" BSP       | Z12211616             | 120,86 |

### Tees BSP 60° male - BSP 60° male - NPT lateral male

Tes macho BSP 60° - macho BSP 60° - macho NPT lateral

T-Verschraubungen m BSP 60° - m BSP 60° - m NPT seitl.

Adapteurs Té mâle BSP 60° - mâle BSP 60° - mâle NPT latéral forge



| ROSCA<br>THREAD            | Referencia<br>Part n° | €      |
|----------------------------|-----------------------|--------|
| 1/4" BSP 1/4" BSP 1/4" NPT | Z12230404             | 38,20  |
| 3/8" BSP 3/8" BSP 3/8" NPT | Z12230606             | 47,34  |
| 1/2" BSP 1/2" BSP 1/2" NPT | Z12230808             | 76,46  |
| 3/4" BSP 3/4" BSP 3/4" NPT | Z12231212             | 82,21  |
| 1" BSP 1" BSP 1" NPT       | Z12231616             | 120,86 |

### Cross fixed female BSP

Cruz hembra fija BSP

Kreuzstück BSP Innengewinde

Croix BSP femelle fixe



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/4" BSP        | Z122704               | 45,38  |
| 3/8" BSP        | Z122706               | 64,82  |
| 1/2" BSP        | Z122708               | 81,29  |
| 3/4" BSP        | Z122712               | 123,18 |
| 1" BSP          | Z122716               | 157,40 |

## NPT Adaptors

Adaptadores NPT  
Adapter NPT  
Adapteurs NPT

### Adaptor male NPT - male NPT

Adaptor macho - macho NPT

Doppelnippel AGN-AGN

Adapteur mâle NPT - mâle NPT



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €      |
|-----------------|------------|-----------------------|--------|
| 1/4" NPT        | 1/4" NPT   | Z10150404             | 9,35   |
| 3/8" NPT        | 3/8" NPT   | Z10150606             | 13,22  |
| 1/2" NPT        | 1/2" NPT   | Z10150808             | 14,94  |
| 3/4" NPT        | 3/4" NPT   | Z10151212             | 19,36  |
| 1" NPT          | 1" NPT     | Z10151616             | 40,68  |
| 1" 1/4 NPT      | 1" 1/4 NPT | Z10152020             | 59,48  |
| 1" 1/2 NPT      | 1" 1/2 NPT | Z10152424             | 71,89  |
| 2" NPT          | 2" NPT     | Z10153232             | 124,20 |

### Reducer male NPT - male NPT

Reductor macho - macho NPT

Reduziernippel NPT

Réducteur mâle NPT - mâle NPT



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €     |
|-----------------|------------|-----------------------|-------|
| 1/4" NPT        | 1/8" NPT   | ZN10150402            | 11,00 |
| 3/8" NPT        | 1/8" NPT   | ZN10150602            | 14,31 |
| 3/8" NPT        | 1/4" NPT   | ZN10150604            | 16,78 |
| 1/2" NPT        | 1/4" NPT   | ZN10150804            | 18,97 |
| 1/2" NPT        | 3/8" NPT   | ZN10150806            | 23,38 |
| 3/4" NPT        | 3/8" NPT   | ZN10151206            | 27,03 |
| 3/4" NPT        | 1/2" NPT   | ZN10151208            | 23,48 |
| 1" NPT          | 1/2" NPT   | ZN10151608            | 34,96 |
| 1" NPT          | 3/4" NPT   | ZN10151612            | 35,62 |
| 1" 1/4 NPT      | 1" NPT     | ZN10152016            | 61,19 |
| 1" 1/2 NPT      | 1" NPT     | ZN10152416            | 83,23 |
| 1" 1/2 NPT      | 1" 1/4 NPT | ZN10152420            | 88,46 |

### Adaptor male NPT - fixed female NPT

Adaptador macho - hembra fija NPT

Adapter m - w fest NPT

Adapteur mâle NPT - femelle fixe NPT



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €     |
|-------------------------|-------------------------|-----------------------|-------|
| 1/8" NPT                | 1/8" NPT                | ZN10600202            | 17,53 |
| 1/8" NPT                | 1/4" NPT                | ZN10600204            | 21,73 |
| 1/4" NPT                | 1/8" NPT                | ZN10600402            | 17,34 |
| 1/4" NPT                | 1/4" NPT                | ZN10600404            | 14,08 |
| 1/4" NPT                | 3/8" NPT                | ZN10600406            | 19,63 |
| 1/4" NPT                | 1/2" NPT                | ZN10600408            | 31,49 |
| 3/8" NPT                | 1/4" NPT                | ZN10600604            | 21,02 |
| 3/8" NPT                | 3/8" NPT                | ZN10600606            | 18,23 |
| 3/8" NPT                | 1/2" NPT                | ZN10600608            | 22,06 |
| 1/2" NPT                | 3/8" NPT                | ZN10600806            | 21,61 |
| 1/2" NPT                | 1/2" NPT                | ZN10600808            | 29,49 |
| 1/2" NPT                | 3/4" NPT                | ZN10600812            | 34,95 |
| 3/4" NPT                | 1/2" NPT                | ZN10601208            | 32,11 |
| 3/4" NPT                | 3/4" NPT                | ZN10601212            | 33,62 |
| 3/4" NPT                | 1" NPT                  | ZN10601216            | 44,93 |
| 1" NPT                  | 3/4" NPT                | ZN10601612            | 44,90 |
| 1" NPT                  | 1" NPT                  | ZN10601616            | 51,57 |

### Reducer male NPT - fixed female NPT

Reductor macho - hembra fija NPT

Reduzierstück m - w fest NPT

Réducteur mâle NPT - femelle fixe NPT



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| 3/8" NPT                | 1/8" NPT                | ZN11500602            | 25,26  |
| 3/8" NPT                | 1/4" NPT                | ZN11500604            | 21,66  |
| 1/2" NPT                | 1/4" NPT                | ZN11500804            | 29,48  |
| 1/2" NPT                | 3/8" NPT                | ZN11500806            | 24,80  |
| 3/4" NPT                | 1/4" NPT                | ZN11501204            | 40,07  |
| 3/4" NPT                | 3/8" NPT                | ZN11501206            | 40,38  |
| 3/4" NPT                | 1/2" NPT                | ZN11501208            | 38,36  |
| 1" NPT                  | 3/8" NPT                | ZN11501606            | 53,15  |
| 1" NPT                  | 1/2" NPT                | ZN11501608            | 54,62  |
| 1" NPT                  | 3/4" NPT                | ZN11501612            | 52,01  |
| 1" 1/4 NPT              | 1" NPT                  | ZN11502016            | 85,95  |
| 1" 1/2 NPT              | 1" NPT                  | ZN11502416            | 154,63 |
| 1" 1/2 NPT              | 1" 1/4 NPT              | ZN11502420            | 116,30 |

### Adaptor male NPT - swivel female NPSM

Adaptador macho NPT - hembra giratoria NPSM

Adapter m NPT - w mit Drallmutter NPSM

Adapteur mâle NPT - femelle tournante NPSM



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| 1/8" NPT                | 1/8" NPSM               | ZN11700202            | 18,99  |
| 1/4" NPT                | 1/4" NPSM               | ZN11700404            | 20,82  |
| 3/8" NPT                | 3/8" NPSM               | ZN11700606            | 26,59  |
| 3/8" NPT                | 1/2" NPSM               | ZN11700608            | 36,96  |
| 1/2" NPT                | 1/2" NPSM               | ZN11700808            | 47,68  |
| 1/2" NPT                | 3/4" NPSM               | ZN11700812            | 52,27  |
| 3/4" NPT                | 3/4" NPSM               | ZN11701212            | 51,26  |
| 3/4" NPT                | 1" NPSM                 | ZN11701216            | 78,04  |
| 1" NPT                  | 1" NPSM                 | ZN11701616            | 80,27  |
| 1" 1/4 NPT              | 1" 1/4 NPSM             | ZN11702020            | 112,23 |
| 1" 1/2 NPT              | 1" 1/2 NPSM             | ZN11702424            | 132,10 |

### Adaptor male UNF - swivel female NPSM

Adaptador macho UNF - hembra giratoria NPSM

Adapter m UNF - w mit Drallmutter NPSM

Adapteur mâle UNF - femelle tournante NPSM



| ROSCA<br>THREAD |                     | Referencia<br>Part n° | €      |
|-----------------|---------------------|-----------------------|--------|
| 7/16" 20h UNF   | 1/4" 18h NPSM       | ZN11740404            | 25,16  |
| 9/16" 18h UNF   | 3/8" 18h NPSM       | ZN11740606            | 31,18  |
| 9/16" 18h UNF   | 1/2" 14h NPSM       | ZN11740608            | 47,33  |
| 3/4" 16h UNF    | 1/2" 14h NPSM       | ZN11740808            | 43,03  |
| 3/4" 16h UNF    | 3/4" 14h NPSM       | ZN11740812            | 59,97  |
| 7/8" 14h UNF    | 1/2" 14h NPSM       | ZN11741008            | 57,80  |
| 7/8" 14h UNF    | 3/4" 14h NPSM       | ZN11741012            | 58,89  |
| 1" 1/16 12h UNF | 3/4" 14h NPSM       | ZN11741212            | 54,52  |
| 1" 5/16 12h UNF | 1" 11 1/2h NPSM     | ZN11741616            | 96,65  |
| 1" 5/8 12h UNF  | 1" 1/4 11-1/2h NPSM | ZN11742020            | 156,41 |



## NPT Adaptors

Adaptadores NPT  
Adapter NPT  
Adpteurs NPT

### S.S. NPT fixed cap

Tapón hembra fija NPT

S.S. Verschlussstopfen HF NPT

Bouchon femelle fixe NPT



| ROSCA<br>THREAD | Referencia<br>Part n° | €            |
|-----------------|-----------------------|--------------|
| 1/8" NPT        | <b>ZN107202</b>       | <b>12,26</b> |
| 1/4" NPT        | <b>ZN107204</b>       | <b>14,53</b> |
| 3/8" NPT        | <b>ZN107206</b>       | <b>17,16</b> |
| 1/2" NPT        | <b>ZN107208</b>       | <b>20,33</b> |
| 3/4" NPT        | <b>ZN107212</b>       | <b>26,18</b> |
| 1" NPT          | <b>ZN107216</b>       | <b>34,93</b> |

### S.S. NPT male plug

Tapón macho NPT

S.S. Verschluss TYP NPT

Bouchon mâle NPT



| ROSCA<br>THREAD | Referencia<br>Part n° | €            |
|-----------------|-----------------------|--------------|
| 1/8" NPT        | <b>ZN107002</b>       | <b>5,30</b>  |
| 1/4" NPT        | <b>ZN107004</b>       | <b>7,80</b>  |
| 3/8" NPT        | <b>ZN107006</b>       | <b>10,57</b> |
| 1/2" NPT        | <b>ZN107008</b>       | <b>13,09</b> |
| 3/4" NPT        | <b>ZN107012</b>       | <b>13,54</b> |
| 1" NPT          | <b>ZN107016</b>       | <b>24,95</b> |
| 1"1/4 NPT       | <b>ZN107020</b>       | <b>50,81</b> |
| 1"1/2 NPT       | <b>ZN107024</b>       | <b>81,49</b> |

### S.S. NPT Allen plug

Tapón Allen NPT

S.S. Verschlussversch. Innensechskant NPT

Bouchon Allen NPT



| ROSCA<br>THREAD | Referencia<br>Part n° | €            |
|-----------------|-----------------------|--------------|
| 1/4" NPT        | <b>ZN107104</b>       | <b>7,57</b>  |
| 3/8" NPT        | <b>ZN107106</b>       | <b>10,26</b> |
| 1/2" NPT        | <b>ZN107108</b>       | <b>11,37</b> |
| 3/4" NPT        | <b>ZN107112</b>       | <b>12,73</b> |
| 1" NPT          | <b>ZN107116</b>       | <b>22,59</b> |

### NPT hexagonal adaptor fixed female

Adaptador hexagonal hembra fija NPT

6 kt Doppelmuffe fest NPT

Adapteur hexagonal femelle fixe NPT



| ROSCA<br>THREAD | Referencia<br>Part n° | €            |
|-----------------|-----------------------|--------------|
| 1/8" NPT        | <b>ZN10310202</b>     | <b>10,65</b> |
| 1/4" NPT        | <b>ZN10310404</b>     | <b>12,43</b> |
| 3/8" NPT        | <b>ZN10310606</b>     | <b>13,81</b> |
| 1/2" NPT        | <b>ZN10310808</b>     | <b>19,65</b> |
| 3/4" NPT        | <b>ZN10311212</b>     | <b>27,00</b> |
| 1" NPT          | <b>ZN10311616</b>     | <b>45,14</b> |
| 1" 1/4 NPT      | <b>ZN10312020</b>     | <b>55,84</b> |

# NPT Adaptors

Adaptadores NPT  
Adapter NPT  
Adapteurs NPT

## 90° elbow male NPT - male NPT

Codo 90° macho - macho NPT

90° Winkel m-m NPT

Coude 90° mâle NPT - mâle NPT



| ROSCA<br>THREAD |            | Referencia<br>Part n° | €             |
|-----------------|------------|-----------------------|---------------|
| 1/8" NPT        | 1/8" NPT   | <b>ZN119002</b>       | <b>22,52</b>  |
| 1/4" NPT        | 1/4" NPT   | <b>ZN119004</b>       | <b>24,61</b>  |
| 3/8" NPT        | 3/8" NPT   | <b>ZN119006</b>       | <b>35,95</b>  |
| 1/2" NPT        | 1/2" NPT   | <b>ZN119008</b>       | <b>40,76</b>  |
| 3/4" NPT        | 3/4" NPT   | <b>ZN119012</b>       | <b>62,78</b>  |
| 1" NPT          | 1" NPT     | <b>ZN119016</b>       | <b>94,88</b>  |
| 1" 1/4 NPT      | 1" 1/4 NPT | <b>ZN119020</b>       | <b>154,01</b> |

## 90° elbow male NPT - swivel female NPSM

Codo 90° macho NPT - hembra giratoria NPSM

90° Winkel m NPT - w mit Ü-Mutter NPSM

Coude 90° mâle NPT - femelle tournante NPSM



| ROSCA<br>THREAD |                       | Referencia<br>Part n° | €             |
|-----------------|-----------------------|-----------------------|---------------|
| 1/8" NPT        | 1/8" 27h NPSM         | <b>ZN11930202</b>     | <b>32,41</b>  |
| 1/4" NPT        | 1/4" - 18h NPSM       | <b>ZN11930404</b>     | <b>35,86</b>  |
| 1/4" NPT        | 3/8" - 18h NPSM       | <b>ZN11930406</b>     | <b>79,16</b>  |
| 3/8" NPT        | 3/8" - 18h NPSM       | <b>ZN11930606</b>     | <b>45,46</b>  |
| 3/8" NPT        | 1/2" - 14h NPSM       | <b>ZN11930608</b>     | <b>80,71</b>  |
| 1/2" NPT        | 1/2" - 14 NPSM        | <b>ZN11930808</b>     | <b>56,35</b>  |
| 1/2" NPT        | 3/4" - 14h NPSM       | <b>ZN11930812</b>     | <b>110,41</b> |
| 3/4" NPT        | 1/2" - 14 NPSM        | <b>ZN11931208</b>     | <b>107,32</b> |
| 3/4" NPT        | 3/4" - 14h NPSM       | <b>ZN11931212</b>     | <b>67,08</b>  |
| 3/4" NPT        | 1" - 11 1/2 h NPSM    | <b>ZN11931216</b>     | <b>210,96</b> |
| 1" NPT          | 1" - 11 1/2 h NPSM    | <b>ZN11931616</b>     | <b>86,44</b>  |
| 1"1/4 NPT       | 1"1/4 - 11 1/2 h NPSM | <b>ZN11932020</b>     | <b>162,35</b> |

## 90° elbow fixed female NPT - fixed female NPT

Codo 90° hembra fija - hembra fija NPT

90° Winkel w fest - w fest NPT

Coude 90° femelle fixe NPT - femelle fixe NPT



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €             |
|-----------------|----------|-----------------------|---------------|
| 1/8" NPT        | 1/8" NPT | <b>ZN11960202</b>     | <b>23,42</b>  |
| 1/4" NPT        | 1/4" NPT | <b>ZN11960404</b>     | <b>34,27</b>  |
| 3/8" NPT        | 3/8" NPT | <b>ZN11960606</b>     | <b>38,14</b>  |
| 1/2" NPT        | 1/2" NPT | <b>ZN11960808</b>     | <b>46,00</b>  |
| 3/4" NPT        | 3/4" NPT | <b>ZN11961212</b>     | <b>74,51</b>  |
| 1" NPT          | 1" NPT   | <b>ZN11961616</b>     | <b>102,67</b> |

## 45° elbow male NPT - male NPT

Codo 45° macho - macho NPT

45° Winkel m-m NPT

Coude 45° mâle NPT - mâle NPT



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €            |
|-----------------|----------|-----------------------|--------------|
| 1/4" NPT        | 1/4" NPT | <b>ZN119804</b>       | <b>20,37</b> |
| 3/8" NPT        | 3/8" NPT | <b>ZN119806</b>       | <b>27,90</b> |
| 1/2" NPT        | 1/2" NPT | <b>ZN119808</b>       | <b>42,94</b> |
| 3/4" NPT        | 3/4" NPT | <b>ZN119812</b>       | <b>59,15</b> |
| 1" NPT          | 1" NPT   | <b>ZN119816</b>       | <b>81,74</b> |

## 45° elbow fixed female NPT - fixed female NPT

Codo 45° hembra fija- hembra fija NPT

45° Bogen w fest - w fest NPT

Coude 45° femelle fixe NPT - femelle fixe NPT



| ROSCA<br>THREAD |          | Referencia<br>Part n° | €             |
|-----------------|----------|-----------------------|---------------|
| 1/4" NPT        | 1/4" NPT | <b>ZN139604</b>       | <b>26,46</b>  |
| 3/8" NPT        | 3/8" NPT | <b>ZN139606</b>       | <b>43,53</b>  |
| 1/2" NPT        | 1/2" NPT | <b>ZN139608</b>       | <b>52,52</b>  |
| 3/4" NPT        | 3/4" NPT | <b>ZN139612</b>       | <b>83,19</b>  |
| 1" NPT          | 1" NPT   | <b>ZN139616</b>       | <b>139,14</b> |

## 45° elbow male NPT - swivel female NPSM

Codo 45° macho NPT - hembra giratoria NPSM

45° Bogen m NPT - w NPSM

Coude 45° mâle NPT - swivel female NPSM



| ROSCA<br>THREAD |                    | Referencia<br>Part n° | €             |
|-----------------|--------------------|-----------------------|---------------|
| 1/4" NPT        | 1/4" - 18h NPSM    | <b>ZN139304</b>       | <b>68,14</b>  |
| 3/8" NPT        | 3/8" - 18h NPSM    | <b>ZN139306</b>       | <b>71,37</b>  |
| 1/2" NPT        | 1/2" - 14h NPSM    | <b>ZN139308</b>       | <b>88,09</b>  |
| 3/4" NPT        | 3/4" - 14h NPSM    | <b>ZN139312</b>       | <b>120,63</b> |
| 1" NPT          | 1" - 11 1/2 h NPSM | <b>ZN139316</b>       | <b>223,55</b> |

## NPT Adaptors

Adaptadores NPT

Adapter NPT

Adapteurs NPT

### NPT male tee

Tes macho-macho-macho NPT

T-Verschraubungen m - m - m NPT

Té mâle NPT



| ROSCA<br>THREAD |          |          | Referencia<br>Part n° | €             |
|-----------------|----------|----------|-----------------------|---------------|
| 1/8" NPT        | 1/8" NPT | 1/8" NPT | <b>ZN122002</b>       | <b>28,02</b>  |
| 1/4" NPT        | 1/4" NPT | 1/4" NPT | <b>ZN122004</b>       | <b>39,44</b>  |
| 3/8" NPT        | 3/8" NPT | 3/8" NPT | <b>ZN122006</b>       | <b>44,90</b>  |
| 1/2" NPT        | 1/2" NPT | 1/2" NPT | <b>ZN122008</b>       | <b>49,96</b>  |
| 3/4" NPT        | 3/4" NPT | 3/4" NPT | <b>ZN122012</b>       | <b>84,14</b>  |
| 1" NPT          | 1" NPT   | 1" NPT   | <b>ZN122016</b>       | <b>161,38</b> |

### NPT fixed female tee

Tes hembra fija-hembra fija-hembra fija NPT

T-Verschraubungen w fest NPT

Té femelle fixe NPT



| ROSCA<br>THREAD |          |          | Referencia<br>Part n° | €             |
|-----------------|----------|----------|-----------------------|---------------|
| 1/8" NPT        | 1/8" NPT | 1/8" NPT | <b>ZN122602</b>       | <b>28,27</b>  |
| 1/4" NPT        | 1/4" NPT | 1/4" NPT | <b>ZN122604</b>       | <b>35,65</b>  |
| 3/8" NPT        | 3/8" NPT | 3/8" NPT | <b>ZN122606</b>       | <b>47,43</b>  |
| 1/2" NPT        | 1/2" NPT | 1/2" NPT | <b>ZN122608</b>       | <b>66,64</b>  |
| 3/4" NPT        | 3/4" NPT | 3/4" NPT | <b>ZN122612</b>       | <b>92,67</b>  |
| 1" NPT          | 1" NPT   | 1" NPT   | <b>ZN122616</b>       | <b>113,34</b> |

SI NO HAS ENCONTRADO  
LO QUE BUSCAS, HABLEMOS.

**SOMOS FABRICANTES  
WE ARE MANUFACTURERS**

IF YOU HAVE NOT FOUND  
WHAT YOU ARE LOOKING FOR, LET'S TALK.



**DICSA**

#HYDRAULICSEXPERTS



# O'Ring Boss Adaptors

Adaptadores O'Ring Boss

Adapter O'Ring Boss

Adapteurs O'Ring Boss

## Adaptor male - male O'Ring Boss

Adaptador macho - macho O'Ring Boss

Doppelnippel m - M O'Ring Boss

Adapteur mâle - mâle O'Ring Boss



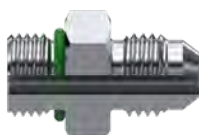
| TUBO<br>PIPE | ROSCA<br>THREAD    | Referencia<br>Part n° | €                |
|--------------|--------------------|-----------------------|------------------|
| 6            | 1/4" 7/16"-20h UNF | 7/16"-20h UNF         | ZS64640606 11,12 |
| 8            | 5/16" 1/2"-20h UNF | 1/2"-20h UNF          | ZS64640808 11,26 |
| 10           | 3/8" 9/16"-18h UNF | 9/16"-18h UNF         | ZS64641010 12,49 |
| 12           | 1/2" 3/4"-16h UNF  | 3/4"-16h UNF          | ZS64641212 18,22 |
| 14-15-16     | 5/8" 7/8"-14h UNF  | 7/8"-14h UNF          | ZS64641616 19,70 |
| 18-20        | 3/4" 1"1/16-12h UN | 1"1/16-12h UN         | ZS64642020 27,88 |
| 25           | 1" 1"5/16-12h UN   | 1"5/16-12h UN         | ZS64642525 33,50 |

## Adaptor male O'Ring Boss - male JIC 37°

Adaptador macho O'Ring Boss - macho JIC 37°

Doppelnippel m O'Ring Boss - m JIC 37°

Adapteur mâle O'Ring Boss- mâle JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD    | Referencia<br>Part n° | €              |
|--------------|--------------------|-----------------------|----------------|
| 6            | 1/4" 7/16"-20h UNF | 7/16"-20h UNF         | ZS22006 14,78  |
| 8            | 5/16" 1/2"-20h UNF | 1/2"-20h UNF          | ZS22008 16,00  |
| 10           | 3/8" 9/16"-18h UNF | 9/16"-18h UNF         | ZS22010 16,67  |
| 12           | 1/2" 3/4"-16h UNF  | 3/4"-16h UNF          | ZS22012 20,34  |
| 14-15-16     | 5/8" 7/8"-14h UNF  | 7/8"-14h UNF          | ZS22016 23,12  |
| 18-20        | 3/4" 1"1/16-12h UN | 1"1/16-12h UN         | ZS22020 32,19  |
| 25           | 1" 1"5/16-12h UN   | 1"5/16-12h UN         | ZS22025 53,58  |
| 30-32        | 1"1/4 1"5/8-12h UN | 1"5/8-12h UN          | ZS22032 87,74  |
| 38           | 1"1/2 1"7/8-12h UN | 1"7/8-12h UN          | ZS22038 113,25 |

## Adaptor male O'Ring Boss - adjustable male O'Ring Boss

Adaptador macho O'Ring Boss - macho regulable O'Ring Boss

Doppelnippel m O'Ring Boss - m einstellbar O'Ring Boss

Adapteur mâle O'Ring Boss - mâle réglable O'Ring Boss



| TUBO<br>PIPE | ROSCA<br>THREAD    | Referencia<br>Part n° | €                 |
|--------------|--------------------|-----------------------|-------------------|
| 6            | 1/4" 7/16"-20h UNF | 7/16"-20h UNF         | ZS34740606 25,75  |
| 10           | 3/8" 9/16"-18h UNF | 9/16"-18h UNF         | ZS34741010 35,69  |
| 12           | 1/2" 3/4"-16h UNF  | 3/4"-16h UNF          | ZS34741212 44,95  |
| 14-15-16     | 5/8" 7/8"-14h UNF  | 7/8"-14h UNF          | ZS34741616 57,63  |
| 18-20        | 3/4" 1"1/16-12h UN | 1"1/16-12h UN         | ZS34742020 105,48 |
| 25           | 1" 1"5/16-12h UN   | 1"5/16-12h UN         | ZS34742525 146,23 |

## Adaptor male O'Ring Boss - male NPT

Adaptador macho O'Ring Boss - macho NPT

Doppelnippel m O'Ring Boss - m NPT

Adapteur mâle O'Ring Boss- mâle NPT



| TUBO<br>PIPE | ROSCA<br>THREAD    | Referencia<br>Part n° | €                |
|--------------|--------------------|-----------------------|------------------|
| 6            | 1/4" 7/16"-20h UNF | 1/4" NPT              | ZS64010613 12,23 |
| 10           | 3/8" 9/16"-18h UNF | 3/8" NPT              | ZS64011017 18,32 |
| 12           | 1/2" 3/4"-16h UNF  | 1/2" NPT              | ZS64011221 19,99 |
| 14-15-16     | 5/8" 7/8"-14h UNF  | 1/2" NPT              | ZS64011621 25,53 |
| 18-20        | 3/4" 1"1/16-12h UN | 3/4" NPT              | ZS64012026 33,90 |
| 25           | 1" 1"5/16-12h UN   | 1" NPT                | ZS64012533 41,09 |

## Adaptor male O'Ring Boss - swivel female JIC 37°

Adaptador macho O'Ring Boss - hembra giratoria JIC 37°

Adapter m O'Ring Boss - w mit Ü-Mutter metr. JIC 37°

Adapteur mâle O'Ring Boss - femelle tournante JIC 37°



| TUBO<br>PIPE | ROSCA (H)<br>THREAD (F) |               | ROSCA (M)<br>THREAD (M) |         | Referencia<br>Part n° | € |
|--------------|-------------------------|---------------|-------------------------|---------|-----------------------|---|
| 6            | 1/4"                    | 7/16" 20h UNF | 7/16" 20h UNF           | ZS38006 | 19,77                 |   |
| 10           | 3/8"                    | 9/16" 18h UNF | 9/16" 18h UNF           | ZS38010 | 25,04                 |   |
| 12           | 1/2"                    | 3/4" 16h UNF  | 3/4" 16h UNF            | ZS38012 | 27,63                 |   |
| 14-15-16     | 5/8"                    | 7/8" 14h UNF  | 7/8" 14h UNF            | ZS38016 | 30,45                 |   |
| 18-20        | 3/4"                    | 1"1/16 12h UN | 1"1/16 12h UN           | ZS38020 | 40,72                 |   |
| 25           | 1"                      | 1"5/16 12h UN | 1"5/16 12h UN           | ZS38025 | 63,30                 |   |

## Adaptor male O'Ring Boss - fixed female NPT

Prolongador macho O'Ring Boss - hembra fija NPT

Adapter m O'Ring Boss - w fest NPT

Prolongateur mâle O'Ring Boss - femelle fixe NPT



| TUBO<br>PIPE | ROSCA<br>THREAD    | Referencia<br>Part n° | €                |
|--------------|--------------------|-----------------------|------------------|
| 6            | 1/4" 7/16"-20h UNF | 1/4" NPT              | ZS64050613 24,06 |
| 10           | 3/8" 9/16"-18h UNF | 3/8" NPT              | ZS64051017 22,64 |
| 12           | 1/2" 3/4"-16h UNF  | 1/2" NPT              | ZS64051221 38,77 |
| 14-15-16     | 5/8" 7/8"-14h UNF  | 1/2" NPT              | ZS64051621 40,17 |
| 18-20        | 3/4" 1"1/16-12h UN | 3/4" NPT              | ZS64052026 56,46 |
| 25           | 1" 1"5/16-12h UN   | 1" NPT                | ZS64052533 72,49 |

## Male hexagonal O'Ring Boss plug

Tapón macho O'Ring Boss hexagonal

Verschlussschraube TYP O'Ring Boss 6 kt

Bouchon mâle O'Ring Boss hexagonal



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 7/16"-20h UNF   | ZS640806              | 14,53 |
| 1/2"-20h UNF    | ZS640808              | 10,98 |
| 9/16"-18h UNF   | ZS640810              | 14,89 |
| 3/4"-16h UNF    | ZS640812              | 15,91 |
| 7/8"-14h UNF    | ZS640816              | 16,23 |
| 1"1/16-12h UN   | ZS640820              | 22,35 |
| 1"5/16-12h UN   | ZS640825              | 31,24 |

## Male allen O'Ring Boss plug

Tapón macho O'Ring Boss Allen

Verschlussschraube TYP O'Ring Boss Innensechskant

Bouchon mâle O'Ring Boss allen



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 7/16"-20h UNF   | ZS640906              | 13,27 |
| 1/2"-20h UNF    | ZS640908              | 18,85 |
| 9/16"-18h UNF   | ZS640910              | 19,36 |
| 3/4"-16h UNF    | ZS640912              | 22,32 |
| 7/8"-14h UNF    | ZS640916              | 23,12 |
| 1"1/16-12h UN   | ZS640920              | 33,95 |
| 1"5/16-12h UN   | ZS640925              | 50,98 |

# O'Ring Boss Adaptors

Adaptadores O'Ring Boss  
Adapter O'Ring Boss  
Adapteurs O'Ring Boss

## 90° Adjustable elbow male O'Ring Boss -male JIC 37°

Codo 90° regulable macho O'Ring Boss - macho JIC 37°

90° Winkel einstellbar m O'Ring Boss - m JIC 37°

Coude 90° orientable mâle O'Ring Boss - mâle JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |               | Referencia<br>Part n° | €                     |
|--------------|-----------------|---------------|-----------------------|-----------------------|
| 6            | 1/4"            | 7/16"-20h UNF | 7/16"-20h UNF         | <b>ZS57506 23,83</b>  |
| 8            | 5/16"           | 1/2"-20h UNF  | 1/2"-20h UNF          | <b>ZS57508 26,37</b>  |
| 10           | 3/8"            | 9/16"-18h UNF | 9/16"-18h UNF         | <b>ZS57510 29,45</b>  |
| 12           | 1/2"            | 3/4"-16h UNF  | 3/4"-16h UNF          | <b>ZS57512 48,16</b>  |
| 14-15-16     | 5/8"            | 7/8"-14h UNF  | 7/8"-14h UNF          | <b>ZS57516 62,35</b>  |
| 18-20        | 3/4"            | 1"1/16-12h UN | 1"1/16-12h UN         | <b>ZS57520 91,65</b>  |
| 25           | 1"              | 1"5/16-12h UN | 1"5/16-12h UN         | <b>ZS57525 125,77</b> |

## Adjustable Tee male O'Ring Boss - male JIC 37° - male JIC 37°

Te regulable macho O'Ring Boss - macho JIC 37° - macho JIC 37°

Einstellbare T-Einschraubungen O'Ring Boss - m JIC 37° - m JIC 37°

Té orientable macho O'Ring Boss - macho JIC 37° - macho JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |                 | Referencia<br>Part n° | €             |
|--------------|-----------------|-----------------|-----------------------|---------------|
| 6            | 1/4"            | 7/16" - 20h UNF | <b>ZS680306</b>       | <b>49,60</b>  |
| 8            | 5/16"           | 1/2" - 20h UNF  | <b>ZS680308</b>       | <b>60,51</b>  |
| 10           | 3/8"            | 9/16" - 18h UNF | <b>ZS680310</b>       | <b>65,76</b>  |
| 12           | 1/2"            | 3/4" - 16h UNF  | <b>ZS680312</b>       | <b>79,42</b>  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF    | <b>ZS680316</b>       | <b>99,49</b>  |
| 18-20        | 3/4"            | 1"1/16-12h UN   | <b>ZS680320</b>       | <b>123,60</b> |
| 25           | 1"              | 1" 5/16-12h UN  | <b>ZS680325</b>       | <b>167,98</b> |

## Adjustable Tee male JIC 37° - male O'Ring Boss - male JIC 37°

Te regulable macho JIC 37° - macho O'Ring Boss - macho JIC 37°

Einstellbare T-Einschraubungen m JIC 37° - O'Ring Boss - m JIC 37°

Té orientable macho JIC 37° - macho O'Ring Boss - macho JIC 37°



| TUBO<br>PIPE | ROSCA<br>THREAD |                 | Referencia<br>Part n° | €             |
|--------------|-----------------|-----------------|-----------------------|---------------|
| 6            | 1/4"            | 7/16" - 20h UNF | <b>ZS680406</b>       | <b>49,60</b>  |
| 8            | 5/16"           | 1/2"-20h UNF    | <b>ZS680408</b>       | <b>60,51</b>  |
| 10           | 3/8"            | 9/16" - 18h UNF | <b>ZS680410</b>       | <b>65,76</b>  |
| 12           | 1/2"            | 3/4" - 16h UNF  | <b>ZS680412</b>       | <b>79,42</b>  |
| 14-15-16     | 5/8"            | 7/8" 14h UNF    | <b>ZS680416</b>       | <b>99,49</b>  |
| 18-20        | 3/4"            | 1"1/16-12h UN   | <b>ZS680420</b>       | <b>123,60</b> |
| 25           | 1"              | 1" 5/16-12h UN  | <b>ZS680425</b>       | <b>167,98</b> |



# ORFS Adaptors

Adaptadores ORFS

Adapter ORFS

Adapteurs ORFS

## ORFS Nut

Tuerca ORFS

Mutter ORFS - m ORFS

Écrou ORFS



| TUBO<br>PIPE | ROSCA<br>THREAD  | Referencia<br>Part n° | €     |
|--------------|------------------|-----------------------|-------|
| 6-8          | ORFS 9/16"-18h   | ZOR1020400            | 11,07 |
| 10           | ORFS 11/16"-16h  | ZOR1020600            | 12,52 |
| 12           | ORFS 13/16"-16h  | ZOR1020800            | 13,44 |
| 14-15-16     | ORFS 1"-14h      | ZOR1021000            | 21,79 |
| 18-20        | ORFS 1"3/16-12h  | ZOR1021200            | 23,44 |
| 22-25        | ORFS 1"7/16-12h  | ZOR1021600            | 30,53 |
| 28-30-32     | ORFS 1"11/16-12h | ZOR1022000            | 45,91 |
| 35-38        | ORFS 2"-12h      | ZOR1022400            | 56,78 |

## ORFS Welding nipple

Cono soldar ORFS

Schweißkegel ORFS

Collet à souder ORFS



| TUBO<br>PIPE | ROSCA<br>THREAD  | Referencia<br>Part n° | €     |
|--------------|------------------|-----------------------|-------|
| 6            | ORFS 9/16"-18h   | ZOR12730406           | 9,19  |
| 8            | ORFS 9/16"-18h   | ZOR12730408           | 10,03 |
| 10           | ORFS 11/16"-16h  | ZOR12730610           | 9,17  |
| 12           | ORFS 13/16"-16h  | ZOR12730812           | 10,91 |
| 14           | ORFS 1"-14h      | ZOR12731014           | 16,94 |
| 15           | ORFS 1"-14h      | ZOR12731015           | 13,77 |
| 16           | ORFS 1"-14h      | ZOR12731016           | 14,01 |
| 18           | ORFS 1" 3/16-12h | ZOR12731218           | 21,09 |
| 20           | ORFS 1" 3/16-12h | ZOR12731220           | 21,09 |
| 22           | ORFS 1" 7/16-12h | ZOR12731622           | 29,86 |
| 30           | ORFS 1"11/16-12h | ZOR12732030           | 41,97 |
| 32           | ORFS 1"11/16-12h | ZOR12732032           | 41,97 |
| 38           | ORFS 2"-12h      | ZOR12732438           | 68,63 |

## ORFS Male plug

Tapón macho ORFS

Verschlussschraube TYP ORFS

Bouchon mâle ORFS



| ROSCA<br>THREAD  | Referencia<br>Part n° | €     |
|------------------|-----------------------|-------|
| ORFS 9/16"-18h   | ZOR1040400            | 11,79 |
| ORFS 11/16"-16h  | ZOR1040600            | 15,18 |
| ORFS 13/16"-16h  | ZOR1040800            | 15,78 |
| ORFS 1"-14h      | ZOR1041000            | 27,45 |
| ORFS 1"3/16-12h  | ZOR1041200            | 28,31 |
| ORFS 1"7/16-12h  | ZOR1041600            | 40,20 |
| ORFS 1"11/16-12h | ZOR1042000            | 51,39 |
| ORFS 2"-12h      | ZOR1042400            | 71,11 |

## ORFS cap

Tapón hembra ORFS

Verschluss ORFS

Bouchon femelle ORFS



| ROSCA<br>THREAD  | Referencia<br>Part n° | €     |
|------------------|-----------------------|-------|
| ORFS 9/16"-18h   | ZOR1050400            | 16,43 |
| ORFS 11/16"-16h  | ZOR1050600            | 18,40 |
| ORFS 13/16"-16h  | ZOR1050800            | 21,16 |
| ORFS 1"-14h      | ZOR1051000            | 31,34 |
| ORFS 1"3/16-12h  | ZOR1051200            | 41,79 |
| ORFS 1"7/16-12h  | ZOR1051600            | 48,13 |
| ORFS 1"11/16-12h | ZOR1052000            | 63,85 |
| ORFS 2"-12h      | ZOR1052400            | 92,98 |

## ORFS Male adaptor

Adaptador macho-macho ORFS

Doppelnippel m - m ORFS

Adapteur mâle ORFS



| ROSCA<br>THREAD  | Referencia<br>Part n° | €     |
|------------------|-----------------------|-------|
| ORFS 9/16"-18h   | ZOR2000404            | 21,56 |
| ORFS 11/16"-16h  | ZOR2000606            | 21,91 |
| ORFS 13/16"-16h  | ZOR2000808            | 26,74 |
| ORFS 1"-14h      | ZOR2001010            | 38,31 |
| ORFS 1"3/16-12h  | ZOR2001212            | 30,97 |
| ORFS 1"7/16-12h  | ZOR2001616            | 47,86 |
| ORFS 1"11/16-12h | ZOR2002020            | 64,82 |
| ORFS 2"-12h      | ZOR2002424            | 88,40 |

## ORFS Male - BSP Male

Adaptador macho ORFS-macho BSP

Doppelnippel m ORFS - m BSP

Adapteur mâle ORFS - mâle BSP



| ROSCA<br>THREAD  | Referencia<br>Part n° | €                 |
|------------------|-----------------------|-------------------|
| ORFS 9/16"-18h   | BSP 1/4"              | ZOR2020404 20,89  |
| ORFS 11/16"-16h  | BSP 3/8"              | ZOR2020606 20,95  |
| ORFS 13/16"-16h  | BSP 3/8" <b>NEW</b>   | ZOR2020806 35,96  |
| ORFS 13/16"-16h  | BSP 1/2"              | ZOR2020808 29,96  |
| ORFS 1"3/16-12h  | BSP 1/2"              | ZOR2021208 55,99  |
| ORFS 1"3/16-12h  | BSP 3/4"              | ZOR2021212 41,99  |
| ORFS 1"7/16-12h  | BSP 1"                | ZOR2021616 56,40  |
| ORFS 1"7/16-12h  | BSP 1" 1/4            | ZOR2021620 99,49  |
| ORFS 1"11/16-12h | BSP 1"                | ZOR2022016 116,91 |
| ORFS 1"11/16-12h | BSP 1" 1/4            | ZOR2022020 87,68  |
| ORFS 2"-12h      | BSP 1" 1/2            | ZOR2022424 123,55 |

# ORFS Adaptors

Adaptadores ORFS  
Adapter ORFS  
Adpteurs ORFS

## ORFS Male - Metric Male

Adaptador macho ORFS-macho Métrico

Doppelnippel m ORFS-m metr.

Adapteur mâle ORFS - mâle Métrique



| ROSCA<br>THREAD  |         | Referencia<br>Part n° | €      |
|------------------|---------|-----------------------|--------|
| ORFS 9/16"-18h   | M12x1.5 | ZOR10170412           | 22,54  |
| ORFS 11/16"-16h  | M16x1.5 | ZOR10170616           | 24,54  |
| ORFS 13/16"-16h  | M18x1.5 | ZOR10170818           | 33,29  |
| ORFS 1"-14h      | M22x1.5 | ZOR10171022           | 44,85  |
| ORFS 1"7/16-12h  | M33x2   | ZOR10171633           | 57,67  |
| ORFS 1"11/16-12h | M42x2   | ZOR10172042           | 104,07 |
| ORFS 2"-12h      | M48x2   | ZOR10172448           | 152,54 |

## ORFS Bulkhead

Pasatabiques ORFS

Schottverschraubungen ORFS SV- ORFS

Passe-cloison ORFS



| ROSCA<br>THREAD  |  | Referencia<br>Part n° | €      |
|------------------|--|-----------------------|--------|
| ORFS 9/16"-18h   |  | ZOR1060404            | 39,05  |
| ORFS 11/16"-16h  |  | ZOR1060606            | 44,63  |
| ORFS 13/16"-16h  |  | ZOR1060808            | 49,11  |
| ORFS 1"-14h      |  | ZOR1061010            | 82,54  |
| ORFS 1"3/16-12h  |  | ZOR1061212            | 95,09  |
| ORFS 1"7/16-12h  |  | ZOR1061616            | 114,07 |
| ORFS 1"11/16-12h |  | ZOR1062020            | 133,48 |
| ORFS 2"-12h      |  | ZOR1062424            | 185,61 |

## ORFS Male - ORFS Swivel female

Adaptador macho-hembra giratoria ORFS

Adapter m O'Ring Boss - w mit Ü-Mutter ORFS

Adapteur mâle - femelle tournante ORFS



| ROSCA (H)<br>THREAD (F) | ROSCA (M)<br>THREAD (M) | Referencia<br>Part n° | €     |
|-------------------------|-------------------------|-----------------------|-------|
| ORFS 9/16"-18h          | ORFS 11/16"-16h         | ZOR3010406            | 23,29 |
| ORFS 11/16"-16h         | ORFS 9/16"-18h          | ZOR3010604            | 22,97 |
| ORFS 13/16"-16h         | ORFS 9/16"-18h          | ZOR3010804            | 28,61 |
| ORFS 13/16"-16h         | ORFS 11/16"-16h         | ZOR3010806            | 26,22 |
| ORFS 1"-14h             | ORFS 9/16"-18h          | ZOR3011004            | 41,30 |
| ORFS 1"-14h             | ORFS 11/16"-16h         | ZOR3011006            | 39,98 |
| ORFS 1"-14h             | ORFS 13/16"-16h         | ZOR3011008            | 38,53 |
| ORFS 1"3/16-12h         | ORFS 11/16"-16h         | ZOR3011206            | 71,26 |
| ORFS 1"3/16-12h         | ORFS 13/16"-16h         | ZOR3011208            | 62,71 |
| ORFS 1"3/16-12h         | ORFS 1"-14h             | ZOR3011210            | 57,96 |
| ORFS 1"7/16-12h         | ORFS 13/16"-16h         | ZOR3011608            | 70,79 |
| ORFS 1"7/16-12h         | ORFS 1"-14h             | ZOR3011610            | 68,66 |
| ORFS 1"7/16-12h         | ORFS 1"3/16-12h         | ZOR3011612            | 75,12 |
| ORFS 1"11/16-12h        | ORFS 1"3/16-12h         | ZOR3012012            | 78,37 |
| ORFS 1"11/16-12h        | ORFS 1"7/16-12h         | ZOR3012016            | 91,67 |

## ORFS Male - 37° JIC Male

Adaptador macho ORFS-macho JIC 37°

Doppelnippel m ORFS-m JIC 37°

Adapteur mâle ORFS - mâle JIC 37°



| ROSCA<br>THREAD  |            | Referencia<br>Part n° | €      |
|------------------|------------|-----------------------|--------|
| ORFS 9/16"-18h   | JIC 7/16"  | ZOR2040404            | 16,00  |
| ORFS 11/16"-16h  | JIC 9/16"  | ZOR2040606            | 19,97  |
| ORFS 13/16"-16h  | JIC 3/4"   | ZOR2040808            | 20,76  |
| ORFS 1"-14h      | JIC 7/8"   | ZOR2041010            | 23,71  |
| ORFS 1"3/16-12h  | JIC 1"1/16 | ZOR2041212            | 31,14  |
| ORFS 1"7/16-12h  | JIC 1"5/16 | ZOR2041616            | 49,12  |
| ORFS 1"11/16-12h | JIC 1"5/8  | ZOR2042020            | 74,09  |
| ORFS 2"-12h      | JIC 1"7/8  | ZOR2042424            | 106,07 |

## ORFS Male - 37° JIC Swivel female

Adaptador macho ORFS-hembra giratoria JIC 37°

Adapter m ORFS - w mit Ü-Mutter JIC 37°

Adapteur mâle ORFS - femelle tournante JIC 37°



| ROSCA<br>THREAD  |            | Referencia<br>Part n° | €     |
|------------------|------------|-----------------------|-------|
| ORFS 9/16"-18h   | JIC 7/16"  | ZOR3020404            | 20,04 |
| ORFS 11/16"-16h  | JIC 9/16"  | ZOR3020606            | 25,73 |
| ORFS 13/16"-16h  | JIC 3/4"   | ZOR3020808            | 26,94 |
| ORFS 1"-14h      | JIC 7/8"   | ZOR3021010            | 34,53 |
| ORFS 1"3/16-12h  | JIC 1"1/16 | ZOR3021212            | 39,59 |
| ORFS 1"7/16-12h  | JIC 1"5/16 | ZOR3021616            | 57,63 |
| ORFS 1"11/16-12h | JIC 1"5/8  | ZOR3022020            | 72,49 |
| ORFS 2"-12h      | JIC 1"7/8  | ZOR3022424            | 85,09 |

## JIC Male - ORFS Swivel female

Adaptador macho JIC 37°-hembra giratoria ORFS

JIC m - w mit Ü-Mutter ORFS

Adapteur mâle JIC 37° - femelle tournante ORFS



| ROSCA<br>THREAD |                   | Referencia<br>Part n° | €      |
|-----------------|-------------------|-----------------------|--------|
| JIC 7/16"       | ORFS 9/16"-18 h   | ZOR3050404            | 21,56  |
| JIC 9/16"       | ORFS 11/16"-16h   | ZOR3050606            | 25,17  |
| JIC 3/4"        | ORFS 13/16"-16 h  | ZOR3050808            | 31,15  |
| JIC 7/8"        | ORFS 1"-14h       | ZOR3051010            | 37,87  |
| JIC 1"1/16      | ORFS 1"3/16-12 h  | ZOR3051212            | 47,41  |
| JIC 1"5/16      | ORFS 1"7/16-12 h  | ZOR3051616            | 73,82  |
| JIC 1"5/8       | ORFS 1"11/16"-12h | ZOR3052020            | 87,16  |
| JIC 1"7/8"      | ORFS 2"-12h       | ZOR3052424            | 101,01 |

## ORFS Adaptors

Adaptadores ORFS

Adapter ORFS

Adapteurs ORFS

### 90° ORFS male - ORFS male

Codo 90° macho-macho ORFS

90° Winkel m - m ORFS

Coude 90° mâle ORFS - mâle ORFS



| ROSCA<br>THREAD  |                  | Referencia<br>Part n° | €      |
|------------------|------------------|-----------------------|--------|
| ORFS 9/16"-18h   | ORFS 9/16"-18h   | ZOR4050404            | 31,08  |
| ORFS 11/16"-16h  | ORFS 11/16"-16h  | ZOR4050606            | 35,44  |
| ORFS 13/16"-16h  | ORFS 13/16"-16h  | ZOR4050808            | 44,07  |
| ORFS 1"-14h      | ORFS 1"-14h      | ZOR4051010            | 62,73  |
| ORFS 1"3/16-12h  | ORFS 1"3/16-12h  | ZOR4051212            | 75,58  |
| ORFS 1"7/16-12h  | ORFS 1"7/16-12h  | ZOR4051616            | 92,34  |
| ORFS 1"11/16-12h | ORFS 1"11/16-12h | ZOR4052020            | 160,10 |
| ORFS 2"-12h      | ORFS 2"-12h      | ZOR4052424            | 198,31 |

### 90° ORFS swivel female - ORFS male

Codo 90° macho-hembra giratoria ORFS

90° Winkel m - w mit Ü-Mutter ORFS

Coude 90° femelle tournante ORFS- mâle ORFS



| ROSCA (M)<br>THREAD (M) | ROSCA (H)<br>THREAD (F) | Referencia<br>Part n° | €      |
|-------------------------|-------------------------|-----------------------|--------|
| ORFS 9/16"-18h          | ORFS 9/16"-18h          | ZOR6000404            | 35,99  |
| ORFS 11/16"-16h         | ORFS 11/16"-16h         | ZOR6000606            | 54,61  |
| ORFS 13/16"-16h         | ORFS 13/16"-16h         | ZOR6000808            | 79,51  |
| ORFS 1"-14h             | ORFS 1"-14h             | ZOR6001010            | 91,49  |
| ORFS 1"3/16-12h         | ORFS 1"3/16-12h         | ZOR6001212            | 104,25 |
| ORFS 1"7/16-12h         | ORFS 1"7/16-12h         | ZOR6001616            | 129,00 |
| ORFS 1"11/16-12h        | ORFS 1"11/16-12h        | ZOR6002020            | 157,35 |

### ORFS Male Tee

Te macho-macho-macho ORFS

T-Verschraubung m-m-m - ORFS

Té Mâle ORFS



| ROSCA<br>THREAD  | Referencia<br>Part n° | €      |
|------------------|-----------------------|--------|
| ORFS 9/16"18h    | ZOR7000404            | 41,80  |
| ORFS 11/16"-16h  | ZOR7000606            | 53,72  |
| ORFS 13/16"-16h  | ZOR7000808            | 68,95  |
| ORFS 1"-14h      | ZOR7001010            | 87,92  |
| ORFS 1"3/16-12h  | ZOR7001212            | 93,05  |
| ORFS 1"7/16-12h  | ZOR7001616            | 139,54 |
| ORFS 1"11/16-12h | ZOR7002020            | 178,36 |
| ORFS 2"-12h      | ZOR7002424            | 230,96 |

### ORFS Male-Swivel female-Male Tee

Te macho-hembra giratoria-macho ORFS

T-Verschraubungen ORFS m - w Ü-Mutter - m

Té Mâle-Femelle tournante-Mâle ORFS



| ROSCA<br>THREAD  | Referencia<br>Part n° | €      |
|------------------|-----------------------|--------|
| ORFS 9/16"-18h   | ZOR7010404            | 67,93  |
| ORFS 11/16"-16h  | ZOR7010606            | 69,45  |
| ORFS 13/16"-16h  | ZOR7010808            | 76,24  |
| ORFS 1"-14h      | ZOR7011010            | 109,61 |
| ORFS 1"3/16-12h  | ZOR7011212            | 146,58 |
| ORFS 1"7/16-12h  | ZOR7011616            | 178,18 |
| ORFS 1"11/16-12h | ZOR7012020            | 219,95 |
| ORFS 2"-12h      | ZOR7012424            | 289,32 |

### ORFS Male-Male-Swivel Female Tee

Te macho-macho-hembra giratoria ORFS

T-Verschraubungen m - m - w mit Ü-Mutter ORFS

Té Mâle-Mâle-Femelle tournante ORFS



| ROSCA<br>THREAD   | Referencia<br>Part n° | €      |
|-------------------|-----------------------|--------|
| ORFS 9/16"-18h    | ZOR7020404            | 67,93  |
| ORFS 11/16"-16h   | ZOR7020606            | 71,42  |
| ORFS 13/16"-16h   | ZOR7020808            | 79,29  |
| ORFS 1"-14h       | ZOR7021010            | 109,61 |
| ORFS 1"3/16-12h   | ZOR7021212            | 144,89 |
| ORFS 1"7/16-12h   | ZOR7021616            | 178,18 |
| ORFS 1" 11/16-12h | ZOR7022020            | 202,00 |

### O'ring FKM green for ORFS thread

Juntas tóricas FKM verde para rosca ORFS

O-Ringe FKM grün für ORFS

Joint torique FKM vert pour filetage ORFS



| ROSCA<br>THREAD   | Referencia<br>Part n° | €    |
|-------------------|-----------------------|------|
| ORFS 9/16"-18h    | JVORFS04              | 0,50 |
| ORFS 11/16"-16h   | JVORFS06              | 0,55 |
| ORFS 13/16"-16h   | JVORFS08              | 0,62 |
| ORFS 1"-14h       | JVORFS10              | 0,69 |
| ORFS 1"3/16-12h   | JVORFS12              | 0,93 |
| ORFS 1"7/16-12h   | JVORFS16              | 1,46 |
| ORFS 1" 11/16-12h | JVORFS20              | 1,84 |
| ORFS 2"-12h       | JVORFS24              | 2,19 |

## **Welding fittings** 195

Racores soldables  
Schweißverschraubungen  
Embouts à souder

## **Welding flanges** 203

Bridas soldables  
Schweißflansche  
Brides à souder



# 05

## **| WELDING FITTINGS**

Racores soldables

Schweißverschraubungen

Embouts à souder

## Welding fittings

Racores soldables  
Schweißverschraubungen  
Embouts à souder

Welding Male ▪ Racores macho para soldar ▪ Schweißverschr. m ▪ Raccords mâle à souder

195



81070

Z1035

Z10351

Z1033

Z1290

Z1032

Z1034

Welding BSP nuts ▪ Racores BSP para soldar ▪ Schweißarmaturen BSP ▪ Écrous tournants à souder

196



Z1281

Z1037

Z1038

Z1282

Z1039

Z1040

Welding JIC fittings ▪ Racores JIC para soldar ▪ Schweißverschr. JIC ▪ Raccords JIC à souder

197



Z1283

Z1036

Z1041

Z1042

Z1284

Welding metric fittings ▪ Racores Métricos para soldar ▪ Metr. Schweißverschr. ▪ Raccords métriques à souder

198



Z1051

ZCMORIL/S

KZL00

KZC90

KZC45

Z1052

Z1054

Z1053

Z1055

Z1050

Welding fittings >2" ▪ BSP >2" ▪ Schweißnippel >2" ▪ Raccords à souder >2"

200



Z1270

Z12784

ZM1032

Other welding BSP fittings ▪ Conos ajuste BSP ▪ Andere Schweißverschr. BSP ▪ Autres raccords à souder BSP

201



Z1270

Z1273

Z1274

Other welding JIC fittings ▪ Conos ajuste JIC ▪ Andere Schweißverschr. JIC ▪ Autres raccords à souder JIC

201



Z1277

Z5110

Welding fittings microcast ▪ Racores Microfundido para soldar ▪ Schweißverschr. Mikroguss ▪ Raccords à souder micro-moulés

202



ZFIG340...HS

ZFIG340...S

ZFIG341...MS



## Welding flanges

Bridas soldables  
Schweißflansche  
Brides à souder

Fixed Forged flanges ▪ Bridas fijas para soldar ▪ Vorschweißflansche ▪ Brides DIN à souder fixes

203



ZBPN162633

ZBPN402635

ZBANSAWN150

ZBANSAWN300

DIN 2642 swivel flanges set ▪ Conjunto bridas DIN 2642 ▪ Flanschsatz DIN 2642 ▪ Ensemble brides tournantes DIN 2642

204



ZBPN102642

ZABARO2642

ZBTUBO

DIN 2656 swivel flanges set ▪ Conjunto bridas DIN 2656 ▪ Flanschsatz DIN 2656 ▪ Ensemble brides tournantes DIN 2656

205



ZBPN402656

ZABARO2656

ZBTUBO

ANSI-ASA swivel flanges set ▪ Conjunto bridas ANSI-ASA ▪ Flanschsatz ANSI-ASA ▪ Ensemble brides ANSI-ASA

206



ZBANSAO150

ZBANSAO300

ZABAROANSA

ZBTUBO

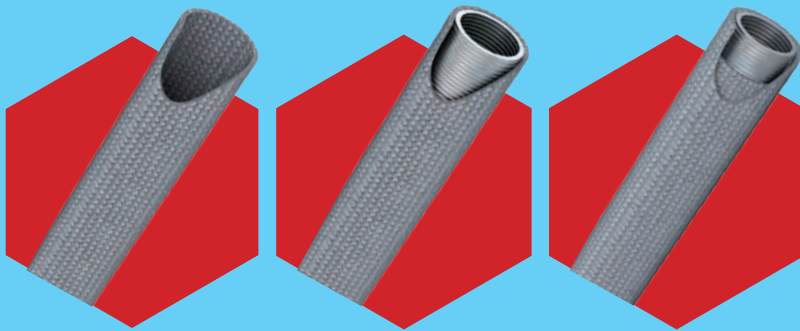
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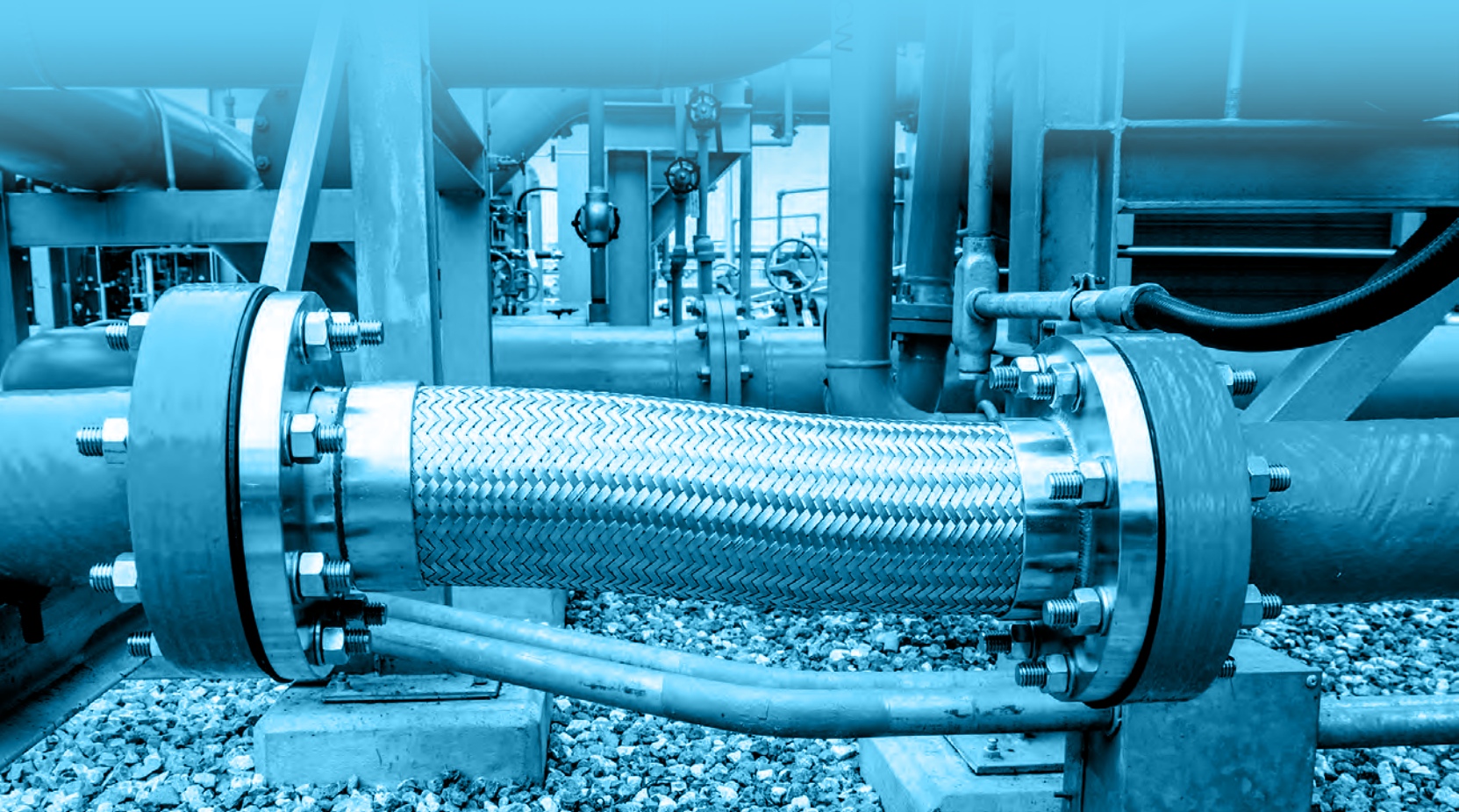
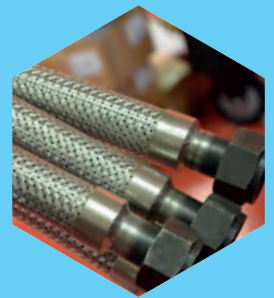
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## MANGUERAS ACERO INOXIDABLE STAINLESS STEEL HOSES



Mangueras de inoxidable corrugado para instalaciones en el sector químico, centrales eléctricas y plantas petroquímicas.

Convolutated stainless steel hoses for a variety of facilities, such us chemical sector, power plant, oil and gas.



## Welding fittings

Racores soldables  
Schweißverschraubungen  
Embout à souder

### Welding ferrule

Casquillo soldable

Pressfassungen für Ringwellschläuche

Jupe à souder



| DN     | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €     |
|--------|-------------------|-----------------------|-------|
| 1/4"   | 14                | 810700400             | 1,70  |
| 1/4"   | 12                | 810700401             | 1,84  |
| 3/8"   | 19                | 810700600             | 2,64  |
| 3/8"   | 17                | 810700601             | 1,94  |
| 1/2"   | 22                | 810700800             | 2,48  |
| 1/2"   | 19                | 810700801             | 2,48  |
| 5/8"   | 25                | 810701000             | 2,88  |
| 3/4"   | 30                | 810701200             | 3,06  |
| 3/4"   | 32                | 810701201             | 3,35  |
| 1"     | 35                | 810701500             | 3,51  |
| 1"     | 37                | 810701600             | 5,66  |
| 1 1/4" | 47,8              | 810702000             | 6,44  |
| 1 1/4" | 44,3              | 810702001             | 6,23  |
| 1 1/2" | 56,3              | 810702400             | 7,53  |
| 2"     | 66                | 810703201             | 11,73 |
| 2 1/2" | 84,9              | 810704000             | 15,75 |
| 2 1/2" | 95,6              | 810704001             | 23,57 |
| 3"     | 100               | 810704801             | 27,51 |
| 4"     | 125               | 810706400             | 36,47 |

### Welding BSP 60° Male with guide

Macho soldable BSP cono 60° con guía

Schweiß-Außengewinde BSP mit AG

Mâle gaz BSP 60° à souder avec guide



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €     |
|-----------------|--------|-----------------------|-------|
| 1/4" BSP        | 1/4"   | Z103504               | 12,80 |
| 3/8" BSP        | 3/8"   | Z103506               | 12,89 |
| 1/2" BSP        | 1/2"   | Z103508               | 13,77 |
| 3/4" BSP        | 3/4"   | Z103512               | 19,22 |
| 1" BSP          | 1"     | Z103516               | 30,79 |
| 1 1/4" BSP      | 1 1/4" | Z103520               | 49,71 |
| 1 1/2" BSP      | 1 1/2" | Z103524               | 68,90 |
| 2" BSP          | 2"     | Z103532               | 86,83 |

### Inside welding BSP Male

Macho BSP 60° soldable interior

Außengewinde BSP 60° innen schweißbar

Mâle à souder int. BSP



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 1/4" BSP        | 1/4"   | Z1035104              | 13,54  |
| 3/8" BSP        | 3/8"   | Z1035106              | 17,33  |
| 1/2" BSP        | 1/2"   | Z1035108              | 18,62  |
| 3/4" BSP        | 3/4"   | Z1035112              | 24,12  |
| 1" BSP          | 1"     | Z1035116              | 32,55  |
| 1 1/4" BSP      | 1 1/4" | Z1035120              | 49,95  |
| 1 1/2" BSP      | 1 1/2" | Z1035124              | 60,43  |
| 2" BSP          | 2"     | Z1035132              | 101,36 |

### Welding BSP Male flat seat with guide

Macho soldable BSP asiento plano con guía

Schweiß-Außengewinde flachdichtend BSP

Mâle gaz BSP fond plat à souder avec guide



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 1/4" BSP        | 1/4"   | Z103304               | 12,34  |
| 3/8" BSP        | 3/8"   | Z103306               | 19,74  |
| 1/2" BSP        | 1/2"   | Z103308               | 15,11  |
| 3/4" BSP        | 3/4"   | Z103312               | 20,03  |
| 1" BSP          | 1"     | Z103316               | 32,05  |
| 1 1/4" BSP      | 1 1/4" | Z103320               | 60,66  |
| 1 1/2" BSP      | 1 1/2" | Z103324               | 81,23  |
| 2" BSP          | 2"     | Z103332               | 110,18 |

### Welding male BSP 60° union

Empalme liso soldable macho BSP 60°

Anschweißnippel BSP 60°

Embout mâle lisse à souder BSP cône 60°



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 1/8" BSP        | 1/8"   | Z129002               | 8,20   |
| 1/4" BSP        | 1/4"   | Z129004               | 8,40   |
| 3/8" BSP        | 3/8"   | Z129006               | 10,49  |
| 1/2" BSP        | 1/2"   | Z129008               | 10,67  |
| 3/4" BSP        | 3/4"   | Z129012               | 17,97  |
| 1" BSP          | 1"     | Z129016               | 25,49  |
| 1 1/4" BSP      | 1 1/4" | Z129020               | 35,04  |
| 1 1/2" BSP      | 1 1/2" | Z129024               | 46,17  |
| 2" BSP          | 2"     | Z129032               | 100,45 |

### Welding BSPT Male 60° with guide

Macho soldable BSPT cono 60° con guía

Schweiß-Außengewinde BSPT mit AG

Mâle gaz conique à souder 60° avec guide



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €     |
|-----------------|--------|-----------------------|-------|
| 1/4" BSPT       | 1/4"   | Z103204               | 11,65 |
| 3/8" BSPT       | 3/8"   | Z103206               | 14,43 |
| 1/2" BSPT       | 1/2"   | Z103208               | 14,00 |
| 3/4" BSPT       | 3/4"   | Z103212               | 19,65 |
| 1" BSPT         | 1"     | Z103216               | 27,67 |
| 1 1/4" BSPT     | 1 1/4" | Z103220               | 49,58 |
| 1 1/2" BSPT     | 1 1/2" | Z103224               | 56,61 |
| 2" BSPT         | 2"     | Z103232               | 96,48 |

# Welding fittings

Racores soldables  
Schweißverschraubungen  
Embouts à souder

## Welding NPT Male 60° with guide

Macho soldable NPT cono 60° con guía

Schweiß-Außengewinde NPT mit AG

Mâle NPT à souder 60° avec guide



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €             |
|-----------------|-------|-----------------------|---------------|
| 1/8" NPT        | 1/4"  | <b>Z10340204</b>      | <b>21,81</b>  |
| 1/4" NPT        | 1/4"  | <b>Z10340400</b>      | <b>11,41</b>  |
| 3/8" NPT        | 3/8"  | <b>Z10340600</b>      | <b>13,27</b>  |
| 1/2" NPT        | 1/2"  | <b>Z10340800</b>      | <b>15,21</b>  |
| 3/4" NPT        | 3/4"  | <b>Z10341200</b>      | <b>20,59</b>  |
| 1" NPT          | 1"    | <b>Z10341600</b>      | <b>28,50</b>  |
| 1"1/4 NPT       | 1"1/4 | <b>Z10342000</b>      | <b>49,48</b>  |
| 1"1/2 NPT       | 1"1/2 | <b>Z10342400</b>      | <b>52,56</b>  |
| 2" NPT          | 2"    | <b>Z10343200</b>      | <b>100,39</b> |

## Welding BSP 60° swept with guide

Hembra giratoria prensada soldable BSP 60° con guía

Schweiß-Dichtkopf mit Ü-Mutter BSP mit AG

Femelle tournante BSP 60° à souder avec guide



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €             |
|-----------------|-------|-----------------------|---------------|
| 1/4" BSP        | 1/4"  | <b>Z128104</b>        | <b>11,47</b>  |
| 3/8" BSP        | 3/8"  | <b>Z128106</b>        | <b>12,56</b>  |
| 1/2" BSP        | 1/2"  | <b>Z128108</b>        | <b>15,67</b>  |
| 3/4" BSP        | 3/4"  | <b>Z128112</b>        | <b>21,05</b>  |
| 1" BSP          | 1"    | <b>Z128116</b>        | <b>32,20</b>  |
| 1"1/4 BSP       | 1"1/4 | <b>Z128120</b>        | <b>55,96</b>  |
| 1"1/2 BSP       | 1"1/2 | <b>Z128124</b>        | <b>65,26</b>  |
| 2" BSP          | 2"    | <b>Z128132</b>        | <b>106,08</b> |

## Welding BSP 60° swept 90°

Hembra giratoria 90° prensada soldable BSP 60°

Schweiß-Dichtkopf 90° mit Ü-Mutter BSP 60°

Femelle tournante à souder 90° BSP cône 60°



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €             |
|-----------------|-------|-----------------------|---------------|
| 1/4" BSP        | 1/4"  | <b>Z103704</b>        | <b>25,13</b>  |
| 3/8" BSP        | 3/8"  | <b>Z103706</b>        | <b>29,60</b>  |
| 1/2" BSP        | 1/2"  | <b>Z103708</b>        | <b>34,95</b>  |
| 3/4" BSP        | 3/4"  | <b>Z103712</b>        | <b>51,67</b>  |
| 1" BSP          | 1"    | <b>Z103716</b>        | <b>63,82</b>  |
| 1"1/4 BSP       | 1"1/4 | <b>Z103720</b>        | <b>103,34</b> |
| 1"1/2 BSP       | 1"1/2 | <b>Z103724</b>        | <b>136,48</b> |
| 2" BSP          | 2"    | <b>Z103732</b>        | <b>144,44</b> |

## Welding BSP 60° swept 45°

Hembra giratoria 45° prensada soldable BSP 60°

Schweiß-Dichtkopf 45° mit Ü-Mutter BSP 60°

Femelle tournante à souder 45° BSP cône 60°



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €             |
|-----------------|-------|-----------------------|---------------|
| 1/4" BSP        | 1/4"  | <b>Z103804</b>        | <b>25,45</b>  |
| 3/8" BSP        | 3/8"  | <b>Z103806</b>        | <b>30,41</b>  |
| 1/2" BSP        | 1/2"  | <b>Z103808</b>        | <b>38,23</b>  |
| 3/4" BSP        | 3/4"  | <b>Z103812</b>        | <b>51,57</b>  |
| 1" BSP          | 1"    | <b>Z103816</b>        | <b>64,71</b>  |
| 1"1/4 BSP       | 1"1/4 | <b>Z103820</b>        | <b>109,07</b> |
| 1"1/2 BSP       | 1"1/2 | <b>Z103824</b>        | <b>136,42</b> |
| 2" BSP          | 2"    | <b>Z103832</b>        | <b>153,03</b> |

## Welding BSP flat seat swept with guide

Hembra giratoria prensada soldable BSP asiento plano con guía

Schweiß-Dichtkopf BSP flachdichtend

Femelle tournante BSP fond plat à souder avec guide



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €             |
|-----------------|-------|-----------------------|---------------|
| 1/4" BSP        | 1/4"  | <b>Z128204</b>        | <b>12,09</b>  |
| 3/8" BSP        | 3/8"  | <b>Z128206</b>        | <b>14,03</b>  |
| 1/2" BSP        | 1/2"  | <b>Z128208</b>        | <b>15,37</b>  |
| 3/4" BSP        | 3/4"  | <b>Z128212</b>        | <b>19,14</b>  |
| 1" BSP          | 1"    | <b>Z128216</b>        | <b>28,06</b>  |
| 1"1/4 BSP       | 1"1/4 | <b>Z128220</b>        | <b>53,58</b>  |
| 1"1/2 BSP       | 1"1/2 | <b>Z128224</b>        | <b>73,75</b>  |
| 2" BSP          | 2"    | <b>Z128232</b>        | <b>106,87</b> |

## Welding BSP Female 90° flat seat swept

Hembra giratoria 90° prensada soldable BSP asiento plano

Schweiß-Dichtkopf 90° BSP flachdichtend

Femelle tournante à souder 90° BSP fond plat



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €             |
|-----------------|-------|-----------------------|---------------|
| 1/4" BSP        | 1/4"  | <b>Z103904</b>        | <b>31,89</b>  |
| 3/8" BSP        | 3/8"  | <b>Z103906</b>        | <b>37,44</b>  |
| 1/2" BSP        | 1/2"  | <b>Z103908</b>        | <b>37,68</b>  |
| 3/4" BSP        | 3/4"  | <b>Z103912</b>        | <b>57,25</b>  |
| 1" BSP          | 1"    | <b>Z103916</b>        | <b>68,06</b>  |
| 1"1/4 BSP       | 1"1/4 | <b>Z103920</b>        | <b>121,48</b> |
| 1"1/2 BSP       | 1"1/2 | <b>Z103924</b>        | <b>141,64</b> |
| 2" BSP          | 2"    | <b>Z103932</b>        | <b>152,77</b> |



## Welding fittings

Racores soldables  
Schweißverschraubungen  
Emboutis à souder

### Welding BSP Female 45° flat seat swept

Hembra giratoria 45° prensada soldable BSP  
asiento plano

Schweiß-Dichtkopf 45° mit Ü-Mutter BSP  
flachdichtend

Femelle tournante à souder 45° BSP fond plat



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 1/4" BSP        | 1/4"   | Z104004               | 32,21  |
| 3/8" BSP        | 3/8"   | Z104006               | 37,82  |
| 1/2" BSP        | 1/2"   | Z104008               | 38,06  |
| 3/4" BSP        | 3/4"   | Z104012               | 57,82  |
| 1" BSP          | 1"     | Z104016               | 68,74  |
| 1 1/4" BSP      | 1 1/4" | Z104020               | 122,70 |
| 1 1/2" BSP      | 1 1/2" | Z104024               | 143,06 |
| 2" BSP          | 2"     | Z104032               | 154,30 |

### Welding JIC female 37° swept with guide

Hembra giratoria prensada soldable JIC 37° con  
guía

Schweiß-Dichtkopf mit Ü-Mutter JIC 37° mit AG

Femelle tournante JIC 37° à souder avec guide



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €     |
|-----------------|--------|-----------------------|-------|
| 7/16" 20h UNF   | 1/4"   | Z12830704             | 17,67 |
| 1/2" 20h UNF    | 1/4"   | Z12830804             | 15,90 |
| 9/16" 18h UNF   | 3/8"   | Z12830906             | 14,62 |
| 3/4" 16h UNF    | 3/8"   | Z12831206             | 18,23 |
| 3/4" 16h UNF    | 1/2"   | Z12831208             | 15,70 |
| 7/8" 14h UNF    | 1/2"   | Z12831408             | 17,23 |
| 7/8" 14h UNF    | 5/8"   | Z12831410             | 20,86 |
| 1 1/16 12h UN   | 3/4"   | Z12831712             | 21,60 |
| 1 5/16 12h UN   | 1"     | Z12832116             | 28,66 |
| 1 5/8 12h UN    | 1 1/4" | Z12832620             | 54,19 |
| 1 7/8 12h UN    | 1 1/2" | Z12833024             | 80,30 |

### Welding fixed male JIC 37° with guide

Macho soldable JIC 37° con guía

Schweiß-Außengewinde JIC 37° mit AG

Mâle à souder JIC 37° avec guide



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 7/16" 20h UNF   | 1/4"   | Z10360704             | 12,87  |
| 1/2" 20h UNF    | 1/4"   | Z10360804             | 12,70  |
| 9/16" 18h UNF   | 3/8"   | Z10360906             | 14,57  |
| 3/4" 16h UNF    | 3/8"   | Z10361206             | 16,43  |
| 3/4" 16h UNF    | 1/2"   | Z10361208             | 16,06  |
| 7/8" 14h UNF    | 1/2"   | Z10361408             | 17,80  |
| 7/8" 14h UNF    | 5/8"   | Z10361410             | 18,45  |
| 1 1/16 12h UN   | 3/4"   | Z10361712             | 23,07  |
| 1 5/16 12h UN   | 1"     | Z10362116             | 36,05  |
| 1 5/8 12h UN    | 1 1/4" | Z10362620             | 47,81  |
| 1 7/8 12h UN    | 1 1/4" | Z10363020             | 76,98  |
| 1 7/8 12h UN    | 1 1/2" | Z10363024             | 81,25  |
| 2" 1/2 12h UN   | 2"     | Z10364032             | 118,04 |

### Welding 90° JIC Female 37° swept

Hembra giratoria 90° prensada soldable JIC 37°

Schweiß-Dichtkopf 90° mit Ü-Mutter JIC 37°

Femelle tournante à souder 90° JIC 37°



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 7/16" 20h UNF   | 1/4"   | Z10410704             | 25,41  |
| 1/2" 20h UNF    | 1/4"   | Z10410804             | 22,15  |
| 9/16" 18h UNF   | 3/8"   | Z10410906             | 28,48  |
| 3/4" 16h UNF    | 1/2"   | Z10411208             | 31,14  |
| 7/8" 14h UNF    | 1/2"   | Z10411408             | 35,16  |
| 1 1/16 12h UN   | 3/4"   | Z10411712             | 49,55  |
| 1 5/16 12h UN   | 1"     | Z10412116             | 59,31  |
| 1 5/8 12h UN    | 1 1/4" | Z10412620             | 94,78  |
| 1 7/8 12h UN    | 1 1/2" | Z10413024             | 160,69 |

### Welding 45° JIC Female 37° swept

Hembra giratoria 45° prensada soldable JIC 37°

Schweiß-Dichtkopf 45° mit Ü-Mutter JIC 37°

Femelle tournante à souder 45° JIC 37°



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 7/16" 20h UNF   | 1/4"   | Z10420704             | 25,66  |
| 1/2" 20h UNF    | 1/4"   | Z10420804             | 22,37  |
| 9/16" 18h UNF   | 3/8"   | Z10420906             | 28,76  |
| 3/4" 16h UNF    | 1/2"   | Z10421208             | 31,46  |
| 7/8" 14h UNF    | 1/2"   | Z10421408             | 35,51  |
| 1 1/16 12h UN   | 3/4"   | Z10421712             | 50,04  |
| 1 5/16 12h UN   | 1"     | Z10422116             | 59,90  |
| 1 5/8 12h UN    | 1 1/4" | Z10422620             | 95,73  |
| 1 7/8 12h UN    | 1 1/2" | Z10423024             | 162,30 |

### Welding JIC female 37° swept with guide double hexagon

Hembra giratoria prensada soldable JIC 37° con  
guía doble hexágono

Schweiß-Dichtkopf mit Ü-Mutter JIC 37° mit AG  
D/S

Femelle tournante JIC 37° à souder avec guide  
double hex.



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 7/16" 20 UNF    | 1/4"   | Z12840704             | 15,42  |
| 1/2" 20 UNF     | 1/4"   | Z12840804             | 17,54  |
| 9/16" 18 UNF    | 3/8"   | Z12840906             | 16,23  |
| 3/4" 16 UNF     | 1/2"   | Z12841208             | 18,07  |
| 7/8" 14 UNF     | 1/2"   | Z12841408             | 21,25  |
| 7/8" 14 UNF     | 5/8"   | Z12841410             | 23,69  |
| 1" 1/16 12 UN   | 3/4"   | Z12841712             | 25,55  |
| 1 5/16 12 UN    | 1"     | Z12842116             | 35,34  |
| 1 5/8 12 UN     | 1 1/4" | Z12842620             | 75,36  |
| 1 7/8 12 UN     | 1 1/2" | Z12843024             | 93,05  |
| 2" 1/2 12 UN    | 2"     | Z12844032             | 181,59 |

# Welding fittings

Racores soldables  
Schweißverschraubungen  
Embouts à souder

## DIN nut

Tuercas Métricas

Metr. Muttern - M DIN

Écrou DIN



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 6            | M12X1.5         | Z10510612             | 2,34  |
| 6            | M14X1.5         | Z10510614             | 3,07  |
| 8            | M14X1.5         | Z10510814             | 2,82  |
| 8            | M16X1.5         | Z10510816             | 3,45  |
| 10           | M16X1.5         | Z10511016             | 3,24  |
| 10           | M18X1.5         | Z10511018             | 4,32  |
| 12           | M18X1.5         | Z10511218             | 3,90  |
| 12           | M20X1.5         | Z10511220             | 4,80  |
| 14           | M22X1.5         | Z10511422             | 7,81  |
| 15           | M22X1.5         | Z10511522             | 5,64  |
| 16           | M24X1.5         | Z10511624             | 8,67  |
| 18           | M26X1.5         | Z10511826             | 8,76  |
| 20           | M30X2           | Z10512030             | 13,22 |
| 22           | M30X2           | Z10512230             | 11,39 |
| 25           | M36X2           | Z10512536             | 31,21 |
| 28           | M36X2           | Z10512836             | 23,43 |
| 30           | M42X2           | Z10513042             | 40,14 |
| 35           | M45X2           | Z10513545             | 39,17 |
| 38           | M52X2           | Z10513852             | 61,04 |
| 42           | M52X2           | Z10514252             | 48,90 |

## Welding metal cone nipple

Boquilla para soldar cono metal

Schweißkegel Metallkonus

Raccord collet cône métallique à souder



| TUBO<br>PIPE | SERIE | Referencia<br>Part n° | €     |
|--------------|-------|-----------------------|-------|
| 15X2,5       | L     | Z CMORIL 15           | 13,68 |
| 18X2,5       | L     | Z CMORIL 18           | 14,51 |
| 22X2,5       | L     | Z CMORIL 22           | 18,27 |
| 28X3         | L     | Z CMORIL 28           | 21,51 |
| 35X4         | L     | Z CMORIL 35           | 41,11 |
| 42X3         | L     | Z CMORIL 42           | 56,51 |
| 6X2          | L/S   | Z CMORIS 6            | 7,40  |
| 8X2          | L/S   | Z CMORIS 8            | 10,06 |
| 10X2         | L/S   | Z CMORIS 10           | 10,10 |
| 12X2         | L/S   | Z CMORIS 12           | 10,50 |
| 14X3         | S     | Z CMORIS 14           | 11,58 |
| 16X3         | S     | Z CMORIS 16           | 13,97 |
| 20X3         | S     | Z CMORIS 20           | 16,00 |
| 25X4         | S     | Z CMORIS 25           | 24,98 |
| 30X5         | S     | Z CMORIS 30           | 30,41 |
| 38X5         | S     | Z CMORIS 38           | 40,08 |

If you want the item with o'ring, please see page 118 / En caso de querer la pieza con junta, ver pág. 118 / Im Fall des Bedarfs des Artikels mit Dichtung vgl. Sie bitte S. 118 / Si vous voulez la pièce avec le joint, voir page 118

## Welding metric standpipe

Espiga lisa métrica recta

Metr. Schweißstutzen glatt

Embout lisse métrique à souder



| Ø EXT.<br>Ø OUTER | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €     |
|-------------------|-------------------|-----------------------|-------|
| 10                | 7                 | KZL0010               | 7,26  |
| 12                | 9                 | KZL0012               | 7,51  |
| 14                | 10                | KZL0014               | 10,36 |
| 15                | 12                | KZL0015               | 9,93  |
| 16                | 12                | KZL0016               | 11,23 |
| 18                | 14                | KZL0018               | 14,68 |
| 20                | 14                | KZL0020               | 17,64 |
| 22                | 18                | KZL0022               | 18,83 |
| 28                | 24                | KZL0028               | 64,35 |

## Welding metric standpipe 90°

Espiga lisa métrica 90°

Metr. Schweißstutzen 90° glatt

Embout lisse métrique 90° à souder



| Ø EXT.<br>Ø OUTER | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €     |
|-------------------|-------------------|-----------------------|-------|
| 6                 | 4                 | KZC9006               | 7,86  |
| 8                 | 4                 | KZC9008               | 11,47 |
| 10                | 6                 | KZC9010               | 11,57 |
| 12                | 8                 | KZC9012               | 12,07 |
| 15                | 11                | KZC9015               | 15,39 |
| 18                | 14                | KZC9018               | 20,64 |
| 20                | 12                | KZC9020               | 24,31 |
| 22                | 18                | KZC9022               | 28,33 |

## Welding metric standpipe 45°

Espiga lisa métrica 45°

Metr. Schweißstutzen 45° glatt

Embout lisse métrique 45° à souder



| Ø EXT.<br>Ø OUTER | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €     |
|-------------------|-------------------|-----------------------|-------|
| 6                 | 4                 | KZC4506               | 7,86  |
| 8                 | 4                 | KZC4508               | 11,47 |
| 10                | 6                 | KZC4510               | 11,57 |
| 12                | 8                 | KZC4512               | 12,07 |
| 14                | 10                | KZC4514               | 14,18 |
| 15                | 11                | KZC4515               | 15,39 |
| 16                | 11                | KZC4516               | 17,85 |
| 18                | 14                | KZC4518               | 20,64 |
| 20                | 12                | KZC4520               | 24,32 |
| 22                | 18                | KZC4522               | 28,33 |



## Welding fittings

Racores soldables  
Schweißverschraubungen  
Embouts à souder

### Weldable metrical swivel female 90°

Hembra giratoria 90° soldable métrica

Dichtkopf mit Ü-Mutter 90° metr. schweißbar

Femelle tournante 90° métrique à souder



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 10           | M16X1.5         | Z10521610             | 31,03  |
| 12           | M18X1.5         | Z10521812             | 27,81  |
| 12           | M20X1.5         | Z10522012             | 34,45  |
| 15           | M22X1.5         | Z10522215             | 32,30  |
| 18           | M26X1.5         | Z10522618             | 44,54  |
| 20           | M30X2           | Z10523020             | 50,53  |
| 22           | M30X2           | Z10523022             | 55,02  |
| 28           | M36X2           | Z10523628             | 77,96  |
| 42           | M52X2           | Z10525242             | 180,58 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Weldable metrical swivel female 90° without o-ring

Hembra giratoria 90° soldable métrica sin junta

Dichtkopf mit Ü-Mutter 90° metr. schweißbar ohne Dichtung

Femelle tournante 90° métrique à souder sans joint



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 6            | M12X1.5         | Z10541206             | 22,19  |
| 8            | M14X1.5         | Z10541408             | 22,80  |
| 10           | M16X1.5         | Z10541610             | 31,03  |
| 12           | M18X1.5         | Z10541812             | 27,81  |
| 15           | M22X1.5         | Z10542215             | 32,30  |
| 18           | M26X1.5         | Z10542618             | 44,54  |
| 22           | M30X2           | Z10543022             | 55,02  |
| 28           | M36X2           | Z10543628             | 77,96  |
| 35           | M45X2           | Z10544535             | 122,97 |
| 42           | M52X2           | Z10545242             | 180,58 |
| 6            | M14X1.5         | Z10541406             | 23,21  |
| 8            | M16X1.5         | Z10541608             | 24,88  |
| 10           | M18X1.5         | Z10541810             | 24,07  |
| 12           | M20X1.5         | Z10542012             | 34,45  |
| 14           | M22X1.5         | Z10542214             | 26,19  |
| 16           | M24X1.5         | Z10542416             | 37,33  |
| 20           | M30X2           | Z10543020             | 50,53  |
| 25           | M36X2           | Z10543625             | 68,92  |
| 30           | M42X2           | Z10544230             | 112,62 |
| 38           | M52X2           | Z10545238             | 154,28 |

### Weldable metrical swivel female 45°

Hembra giratoria 45° soldable métrica

Dichtkopf mit Ü-Mutter Bogen 45° metr. schweißbar

Femelle tournante 45° métrique à souder



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 10           | M16X1.5         | Z10531610             | 31,96  |
| 12           | M18X1.5         | Z10531812             | 28,64  |
| 15           | M22X1.5         | Z10532215             | 33,27  |
| 22           | M30X2           | Z10533022             | 56,67  |
| 28           | M36X2           | Z10533628             | 80,30  |
| 42           | M52X2           | Z10535242             | 186,00 |
| 20           | M30X2           | Z10533020             | 52,05  |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Weldable metrical swivel female 45° without o-ring

Hembra giratoria 45° soldable métrica sin junta

Dichtkopf mit Ü-Mutter Bogen 45° metr. schweißbar ohne Dichtung

Femelle tournante 45° métrique à souder sans joint



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 6            | M12X1.5         | Z10551206             | 22,85  |
| 8            | M14X1.5         | Z10551408             | 23,48  |
| 10           | M16X1.5         | Z10551610             | 31,96  |
| 12           | M18X1.5         | Z10551812             | 28,64  |
| 15           | M22X1.5         | Z10552215             | 33,27  |
| 18           | M26X1.5         | Z10552618             | 45,88  |
| 22           | M30X2           | Z10553022             | 56,67  |
| 28           | M36X2           | Z10553628             | 80,30  |
| 35           | M45X2           | Z10554535             | 126,66 |
| 42           | M52X2           | Z10555242             | 186,00 |
| 6            | M14X1.5         | Z10551406             | 23,91  |
| 8            | M16X1.5         | Z10551608             | 25,63  |
| 10           | M18X1.5         | Z10551810             | 24,79  |
| 12           | M20X1.5         | Z10552012             | 35,48  |
| 14           | M22X1.5         | Z10552214             | 26,97  |
| 16           | M24X1.5         | Z10552416             | 38,45  |
| 20           | M30X2           | Z10553020             | 52,05  |
| 25           | M36X2           | Z10553625             | 70,99  |
| 30           | M42X2           | Z10554230             | 116,00 |
| 38           | M52X2           | Z10555238             | 158,91 |

### Welding DIN Male

Macho soldable Métrico

Schweiß-Außengewinde metr.

Male métrique à souder



| TUBO<br>PIPE | SERIE | Referencia<br>Part n° | €      |
|--------------|-------|-----------------------|--------|
| 6            | L     | Z1050L06              | 8,12   |
| 8            | L     | Z1050L08              | 9,65   |
| 10           | L     | Z1050L10              | 12,45  |
| 12           | L     | Z1050L12              | 10,26  |
| 15           | L     | Z1050L15              | 16,18  |
| 18           | L     | Z1050L18              | 20,87  |
| 22           | L     | Z1050L22              | 30,35  |
| 28           | L     | Z1050L28              | 36,62  |
| 35           | L     | Z1050L35              | 59,47  |
| 42           | L     | Z1050L42              | 81,28  |
| 6            | S     | Z1050S06              | 11,13  |
| 8            | S     | Z1050S08              | 13,39  |
| 10           | S     | Z1050S10              | 15,45  |
| 12           | S     | Z1050S12              | 20,14  |
| 14           | S     | Z1050S14              | 23,71  |
| 16           | S     | Z1050S16              | 24,76  |
| 20           | S     | Z1050S20              | 25,54  |
| 25           | S     | Z1050S25              | 37,64  |
| 30           | S     | Z1050S30              | 59,87  |
| 38           | S     | Z1050S38              | 142,81 |

# Welding fittings

Racores soldables  
Schweißverschraubungen  
Embouts à souder

## Micro-casting BSP nuts AISI-316

Tuercas BSP Microfundido AISI-316

Muttern BSP Mikroguss AISI-316

Écrous BSP en acier moulé AISI-316



| ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-----------------|-----------------------|---------------|
| 2" 1/2 BSP      | <b>Z127040</b>        | <b>111,64</b> |
| 3" BSP          | <b>Z127048</b>        | <b>145,67</b> |
| 4" BSP          | <b>Z127064</b>        | <b>185,74</b> |

## Welding nipple with 60° cone for BSP nut with guide

Cono ajuste BSP 60° con guía

Schweißnippel DK 60 Dichtkegel 60° mit AG

Collet à souder BSP cône 60° avec guide



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|-----------------|-----------------------|---------------|
| 2"1/2 | 2"1/2 BSP       | <b>Z127840</b>        | <b>90,87</b>  |
| 3"    | 3" BSP          | <b>Z127848</b>        | <b>114,95</b> |
| 4"    | 4" BSP          | <b>Z127864</b>        | <b>209,98</b> |

## Micro-casting BSPT welding male AISI-316

Macho BSPT soldar microfundido AISI-316

Außengewinde BSPT schweißbar Mikroguss AISI-316

Mâle BSPT à souder en acier moulé AISI-316



| DN    | ROSCA<br>THREAD | Referencia<br>Part n° | €             |
|-------|-----------------|-----------------------|---------------|
| 2"1/2 | 2"1/2 BSPT      | <b>ZM103240</b>       | <b>119,57</b> |
| 3"    | 3" BSPT         | <b>ZM103248</b>       | <b>146,61</b> |
| 4"    | 4" BSPT         | <b>ZM103264</b>       | <b>188,71</b> |

## Welding fittings

Racores soldables  
Schweißverschraubungen  
Emboutis à souder

### BSP Nut for welding 60° cone nipple

Tuerca cono ajuste BSP

Ü-Mutter BSP für DK

Écrou gaz pour collet à souder



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4" BSP        | Z127004               | 3,32  |
| 3/8" BSP        | Z127006               | 4,43  |
| 1/2" BSP        | Z127008               | 6,32  |
| 3/4" BSP        | Z127012               | 8,72  |
| 1" BSP          | Z127016               | 14,18 |
| 1 1/4" BSP      | Z127020               | 25,42 |
| 1 1/2" BSP      | Z127024               | 26,58 |
| 2" BSP          | Z127032               | 37,17 |

### Welding nipple BSP 60°

Cono ajuste BSP 60°

Schweißnippel DK 60 Dichtkegel 60°

Collet à souder BSP cône 60°



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4" BSP        | Z127304               | 4,55  |
| 3/8" BSP        | Z127306               | 5,03  |
| 1/2" BSP        | Z127308               | 5,45  |
| 3/4" BSP        | Z127312               | 7,06  |
| 1" BSP          | Z127316               | 9,63  |
| 1 1/4" BSP      | Z127320               | 19,73 |
| 1 1/2" BSP      | Z127324               | 35,68 |
| 2" BSP          | Z127332               | 50,42 |

### Welding nipple BSP flat seat

Cono ajuste BSP asiento plano

Schweißnippel DK 60 Dichtkegel 60° flachdichtend

Collet à souder BSP fond plat



| ROSCA<br>THREAD | Ø EXT.<br>Ø OUTER | Referencia<br>Part n° | €     |
|-----------------|-------------------|-----------------------|-------|
| 1 1/4" BSP      | 33                | Z127420               | 22,35 |
| 1 1/4" BSP      | 33                | Z127920               | 23,55 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

Z127920 with guide / Z127920 con guía. / Z127920 mit Außengewinde / Z127920 avec guide.

### Welding nipple for JIC 37° with guide

Cono ajuste JIC 37° con guía

Schweißnippel JIC 37° mit AG

Collet à souder femelle JIC cône 37° avec guide



| ROSCA<br>THREAD | DN   | Referencia<br>Part n° | €     |
|-----------------|------|-----------------------|-------|
| 7/16" 20h UNF   | 1/4" | Z12770704             | 8,53  |
| 1/2" 20h UNF    | 1/4" | Z12770804             | 9,09  |
| 9/16" 18h UNF   | 3/8" | Z12770906             | 6,89  |
| 3/4" 16h UNF    | 3/8" | Z12771206             | 7,92  |
| 7/8" 14h UNF    | 5/8" | Z12771410             | 8,08  |
| 1 1/16 12h UN   | 3/4" | Z12771712             | 12,47 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### JIC nut

Tuercas JIC

Muttern JIC - M JIC

Écrou JIC



| TUBO<br>PIPE  | ROSCA<br>THREAD | Referencia<br>Part n° | € |
|---------------|-----------------|-----------------------|---|
| 6 1/4"        | 7/16" 20h UNF   | ZS11006               | * |
| 8 5/16"       | 1/2" 20h UNF    | ZS11008               | * |
| 10 3/8"       | 9/16" 18h UNF   | ZS11010               | * |
| 12 1/2"       | 3/4" 16h UNF    | ZS11012               | * |
| 14-15-16 5/8" | 7/8" 14h UNF    | ZS11016               | * |
| 18-20 -       | 1 1/16 12h UN   | ZS11020               | * |
| - 3/4"        | 1 1/16 12h UNF  | ZS11020W              | * |
| 25 1"         | 1 5/16 12h UN   | ZS11025               | * |
| 30-32 1 1/4"  | 1 5/8 12h UN    | ZS11032               | * |
| 38 1 1/2"     | 1 7/8 12h UN    | ZS11038               | * |

\*See prices in p.125 (JIC Fittings) / \*Ver precios en p.125 (R. JIC) / \*Vgl. Sie die Preise auf S. 125 (JIC) / \*Prix à la page 125 (R. JIC)

# Welding fittings

Racores soldables  
Schweißverschraubungen  
Embouts à souder

## Union 3 fem. welding pieces fig.340hs micro-casting

Unión 3 piezas hembra-soldar FIG.340HS  
microfundido

3-teilige Schweißverschr. w FIG. 340hs Mikroguss

Union 3 pcs fem. à souder fig.340hs inox acier  
moulé



| ROSCA<br>THREAD | Referencia<br>Part n° | € |
|-----------------|-----------------------|---|
| 1/4"            | ZFIG34004HS           | * |
| 3/8"            | ZFIG34006HS           | * |
| 1/2"            | ZFIG34008HS           | * |
| 3/4"            | ZFIG34012HS           | * |
| 1"              | ZFIG34016HS           | * |
| 1" 1/4          | ZFIG34020HS           | * |
| 1" 1/2          | ZFIG34024HS           | * |
| 2"              | ZFIG34032HS           | * |

\*See prices p.232 / \*Ver precios en p.232 / \* Vgl. Sie die Preise auf S. 232 / \*Voir prix p.232

## Union 3 welding pieces fig. 340s micro-casting

Unión 3 piezas soldar FIG.340S microfundido

3-teilige Schweißverschr. FIG. 340s Mikroguss

Union 3 pièces à souder fig. 340s inox acier moulé



| ROSCA<br>THREAD | Referencia<br>Part n° | € |
|-----------------|-----------------------|---|
| 1/4"            | ZFIG34004S            | * |
| 3/8"            | ZFIG34006S            | * |
| 1/2"            | ZFIG34008S            | * |
| 3/4"            | ZFIG34012S            | * |
| 1"              | ZFIG34016S            | * |
| 1" 1/4          | ZFIG34020S            | * |
| 1" 1/2          | ZFIG34024S            | * |
| 2"              | ZFIG34032S            | * |

\*See prices p.232 / \*Ver precios en p.232 / \* Vgl. Sie die Preise auf S. 232 / \*Voir prix p.232

## Union 3 welding male pieces fig.341ms micro-casting

Unión 3 piezas macho-soldar FIG.341MS  
microfundido

3-teilige Schweißverschr. m FIG. 341ms Mikroguss

Union 3 pcs mâle à souder fig.341ms inox acier  
moulé



| ROSCA<br>THREAD | Referencia<br>Part n° | € |
|-----------------|-----------------------|---|
| 1/4"            | ZFIG34104MS           | * |
| 3/8"            | ZFIG34106MS           | * |
| 1/2"            | ZFIG34108MS           | * |
| 3/4"            | ZFIG34112MS           | * |
| 1"              | ZFIG34116MS           | * |
| 1" 1/4          | ZFIG34120MS           | * |
| 1" 1/2          | ZFIG34124MS           | * |
| 2"              | ZFIG34132MS           | * |

\*See prices p.232 / \*Ver precios en p.232 / \* Vgl. Sie die Preise auf S. 232 / \*Voir prix p.232

\*On request / Consultar / Auf Anfrage / Sur demande

## Welding flanges

Bridas soldables

Schweißflansche

Brides à souder

### Welding forged flange DIN 2633 PN 10/16

Brida fija soldable PN10/16 DIN 2633

Vorschweißflansch DIN 2633 PN 10/16

Bride fixe à souder DIN 2633 PN10/16



| DN        | Referencia<br>Part n° | €      |
|-----------|-----------------------|--------|
| 15-1/2"   | ZBPN16263308          | 45,45  |
| 20-3/4"   | ZBPN16263312          | 56,39  |
| 25-1"     | ZBPN16263316          | 67,25  |
| 32-1 1/4" | ZBPN16263320          | 93,48  |
| 40-1 1/2" | ZBPN16263324          | 96,05  |
| 50-2"     | ZBPN16263332          | 127,95 |
| 65-2 1/2" | ZBPN16263340          | 146,27 |
| 80-3"     | ZBPN16263348          | 179,45 |
| 100-4"    | ZBPN16263364          | 227,53 |

### Welding forged flange DIN 2635 PN 40

Brida fija soldable PN40 DIN 2635

Vorschweißflansch DIN 2635 PN 40

Bride fixe à souder DIN 2635 PN 40



| DN        | Referencia<br>Part n° | €      |
|-----------|-----------------------|--------|
| 13-3/8"   | ZBPN40263506*         | 46,50  |
| 15-1/2"   | ZBPN40263508          | 45,45  |
| 20-3/4"   | ZBPN40263512          | 72,43  |
| 25-1"     | ZBPN40263516          | 67,25  |
| 32-1 1/4" | ZBPN40263520          | 88,76  |
| 40-1 1/2" | ZBPN40263524          | 111,35 |
| 50-2"     | ZBPN40263532          | 134,78 |
| 65-2 1/2" | ZBPN40263540          | 178,75 |
| 80-3"     | ZBPN40263548          | 224,25 |
| 100-4"    | ZBPN40263564          | 316,09 |

\*Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

### Flange ANSI-ASA Welding Neck 150 LBS

Brida fija ANSI-ASA 150 LBS

Flansch ANSI-ASA W.NECK 150 LBS

Bride ANSI-ASA Welding Neck 150 LBS



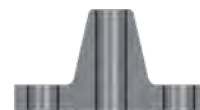
| DN        | Referencia<br>Part n° | €      |
|-----------|-----------------------|--------|
| 15-1/2"   | ZBANSAWN15008         | 37,14  |
| 20-3/4"   | ZBANSAWN15012         | 38,26  |
| 25-1"     | ZBANSAWN15016         | 54,00  |
| 32-1 1/4" | ZBANSAWN15020         | 69,29  |
| 40-1 1/2" | ZBANSAWN15024         | 86,90  |
| 50-2"     | ZBANSAWN15032         | 128,20 |
| 65-2 1/2" | ZBANSAWN15040         | 203,53 |
| 80-3"     | ZBANSAWN15048         | 251,38 |
| 100-4"    | ZBANSAWN15064         | 338,17 |

### FLANGE ANSI-ASA Welding Neck 300 LBS

Brida fija ANSI-ASA 350 LBS

Flansch ANSI-ASA W.NECK 300 LBS

Bride ANSI-ASA Welding Neck 300 LBS



| DN        | Referencia<br>Part n° | €      |
|-----------|-----------------------|--------|
| 15-1/2"   | ZBANSAWN30008         | 48,69  |
| 20-3/4"   | ZBANSAWN30012         | 99,94  |
| 25-1"     | ZBANSAWN30016         | 90,79  |
| 32-1 1/4" | ZBANSAWN30020         | 114,13 |
| 40-1 1/2" | ZBANSAWN30024         | 150,07 |
| 50-2"     | ZBANSAWN30032         | 245,81 |
| 65-2 1/2" | ZBANSAWN30040         | 255,45 |
| 80-3"     | ZBANSAWN30048         | 337,73 |
| 100-4"    | ZBANSAWN30064         | 548,66 |

# Welding flanges

Bridas soldables  
Schweißflansche  
Brides à souder

## Welding forged slip on flange DIN 2642 PN 10

Brida loca PN10 DIN 2642

Vorschweißflansch DIN 2642 PN 10



Bride tournante à souder DIN 2642 PN 10

| DN       | Referencia<br>Part n° | €      |
|----------|-----------------------|--------|
| 15-1/2"  | ZBPN10264208          | 38,18  |
| 20-3/4"  | ZBPN10264212          | 39,31  |
| 25-1"    | ZBPN10264216          | 60,29  |
| 32-1"1/4 | ZBPN10264220          | 71,82  |
| 40-1"1/2 | ZBPN10264224          | 84,14  |
| 50-2"    | ZBPN10264232          | 113,64 |
| 65-2"1/2 | ZBPN10264240          | 136,34 |
| 80-3"    | ZBPN10264248          | 188,28 |
| 100-4"   | ZBPN10264264          | 232,43 |

## Ring for flange DIN 2642

Aro para brida DIN 2642

Ring für Flansche DIN 2642



Collet épais pour bride DIN 2642

| DN    | Referencia<br>Part n° | €      |
|-------|-----------------------|--------|
| 1/2"  | ZABARO264208          | 14,09  |
| 3/4"  | ZABARO264212          | 30,75  |
| 1"    | ZABARO264216          | 39,65  |
| 1"1/4 | ZABARO264220          | 49,43  |
| 1"1/2 | ZABARO264224          | 61,16  |
| 2"    | ZABARO264232          | 47,11  |
| 2"1/2 | ZABARO264240          | 152,60 |
| 3"    | ZABARO264248          | 247,67 |
| 4"    | ZABARO264264          | 243,13 |

## Tube for welding flanges ANSI-DIN

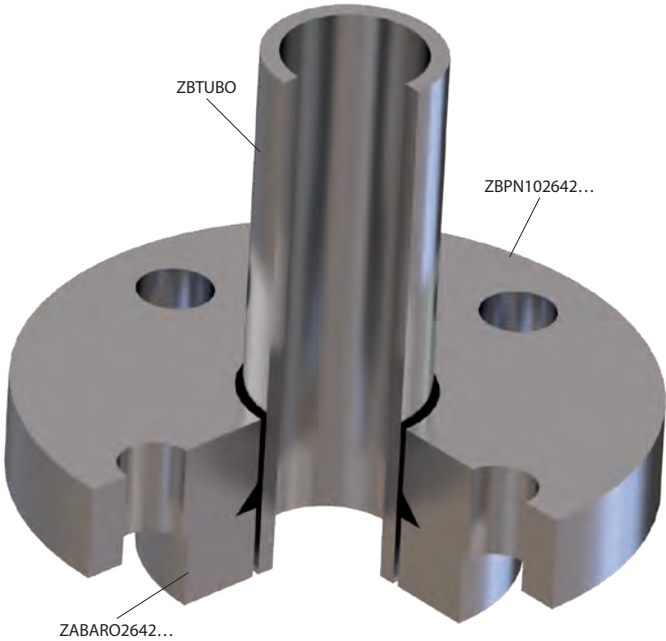
Tubo para soldar bridas ANSI-DIN

Rohr für Schweißflansche ANSI-DIN



Tube à souder brides ANSI-DIN

| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 3/8"  | ZBTUB006              | 6,50  |
| 1/2"  | ZBTUB008              | 10,51 |
| 3/4"  | ZBTUB012              | 8,96  |
| 1"    | ZBTUB016              | 9,89  |
| 1"1/4 | ZBTUB020              | 16,45 |
| 1"1/2 | ZBTUB024              | 16,84 |
| 2"    | ZBTUB032              | 22,04 |
| 2"1/2 | ZBTUB040              | 21,63 |
| 3"    | ZBTUB048              | 30,33 |
| 4"    | ZBTUB064              | 40,88 |





## Welding flanges

Bridas soldables

Schweißflansche

Brides à souder

### Welding forged flange DIN 2656 PN 40

Brida plana PN40 DIN 2656

Vorschweißflansch DIN 2656 PN 40

Bride tournante à souder DIN 2656 PN 40



| DN        | Referencia<br>Part n° | €      |
|-----------|-----------------------|--------|
| 15-1 1/2" | ZBPN40265608          | 58,72  |
| 20-3/4"   | ZBPN40265612          | 39,35  |
| 25-1"     | ZBPN40265616          | 75,28  |
| 32-1 1/4" | ZBPN40265620          | 77,88  |
| 40-1 1/2" | ZBPN40265624          | 95,26  |
| 50-2"     | ZBPN40265632          | 180,93 |
| 65-2 1/2" | ZBPN40265640          | 172,19 |
| 80-3"     | ZBPN40265648          | 190,24 |
| 100-4"    | ZBPN40265664          | 212,92 |

### Ring for flange DIN 2656

Aro para brida DIN 2656

Ring für Flansche DIN 2656

Collet épais pour bride DIN 2656



| DN     | Referencia<br>Part n° | €      |
|--------|-----------------------|--------|
| 1 1/2" | ZABARO265608          | 16,27  |
| 3/4"   | ZABARO265612          | 32,96  |
| 1"     | ZABARO265616          | 42,47  |
| 1 1/4" | ZABARO265620          | 50,70  |
| 1 1/2" | ZABARO265624          | 70,02  |
| 2"     | ZABARO265632          | 101,23 |
| 2 1/2" | ZABARO265640          | 171,91 |
| 3"     | ZABARO265648          | 171,02 |

### Tube for welding flanges ANSI-DIN

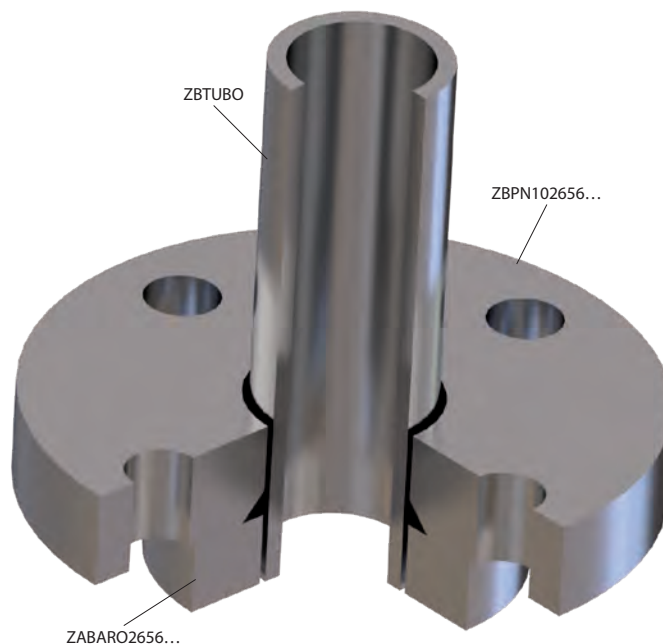
Tubo para soldar bridas ANSI-DIN

Rohr für Schweißflansche ANSI-DIN

Tube à souder brides ANSI-DIN



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 3/8"   | ZBTUBO06              | 6,50  |
| 1/2"   | ZBTUBO08              | 10,51 |
| 3/4"   | ZBTUBO12              | 8,96  |
| 1"     | ZBTUBO16              | 9,89  |
| 1 1/4" | ZBTUBO20              | 16,45 |
| 1 1/2" | ZBTUBO24              | 16,84 |
| 2"     | ZBTUBO32              | 22,04 |
| 2 1/2" | ZBTUBO40              | 21,63 |
| 3"     | ZBTUBO48              | 30,33 |
| 4"     | ZBTUBO64              | 40,88 |



## Welding flanges

Bridas soldables

Schweißflansche

Brides à souder

### Swivel flange ANSI-ASA 150 LBS

Brida plana ANSI-ASA 150 LBS

Flansch ANSI-ASA 150 LBS

Bride tournante ANSI-ASA 150 LBS



| DN       | Referencia<br>Part n° | €      |
|----------|-----------------------|--------|
| 15-1/2"  | ZBANSASO15008         | 29,41  |
| 20-3/4"  | ZBANSASO15012         | 27,32  |
| 25-1"    | ZBANSASO15016         | 43,95  |
| 32-1"1/4 | ZBANSASO15020         | 46,88  |
| 40-1"1/2 | ZBANSASO15024         | 63,17  |
| 50-2"    | ZBANSASO15032         | 98,05  |
| 65-2"1/2 | ZBANSASO15040         | 145,95 |
| 80-3"    | ZBANSASO15048         | 186,71 |
| 100-4"   | ZBANSASO15064         | 250,66 |

### Swivel flange ANSI-ASA 300 LBS

Brida plana ANSI-ASA 300 LBS

Flansch ANSI-ASA 300 LBS

Bride tournante ANSI-ASA 300 LBS



| DN       | Referencia<br>Part n° | €      |
|----------|-----------------------|--------|
| 15-1/2"  | ZBANSASO30008         | 53,85  |
| 20-3/4"  | ZBANSASO30012         | 51,67  |
| 25-1"    | ZBANSASO30016         | 95,19  |
| 32-1"1/4 | ZBANSASO30020         | 128,34 |
| 40-1"1/2 | ZBANSASO30024         | 118,58 |
| 50-2"    | ZBANSASO30032         | 138,31 |
| 65-2"1/2 | ZBANSASO30040         | 222,33 |
| 80-3"    | ZBANSASO30048         | 453,57 |
| 100-4"   | ZBANSASO30064         | 725,13 |

### Ring for flange ANSI-ASA

Aro para brida ANSI-ASA

Ring für Flansche ANSI-ASA

Collet épais pour bride ANSI-ASA



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 1/2"  | ZABAROANSA08          | 6,94  |
| 3/4"  | ZABAROANSA12          | 9,07  |
| 1"    | ZABAROANSA16          | 10,88 |
| 1"1/4 | ZABAROANSA20          | 15,76 |
| 1"1/2 | ZABAROANSA24          | 21,20 |
| 2"    | ZABAROANSA32          | 54,81 |
| 2"1/2 | ZABAROANSA40          | 54,64 |
| 3"    | ZABAROANSA48          | 60,63 |
| 4"    | ZABAROANSA64          | 86,65 |

### Tube for welding flanges ANSI-DIN

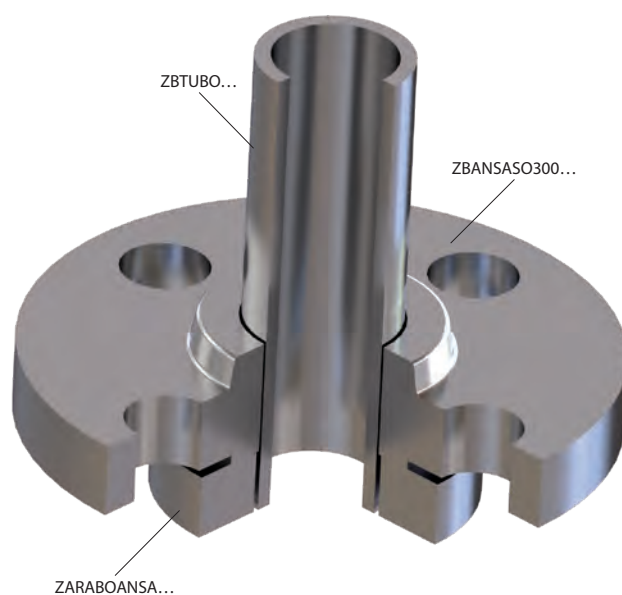
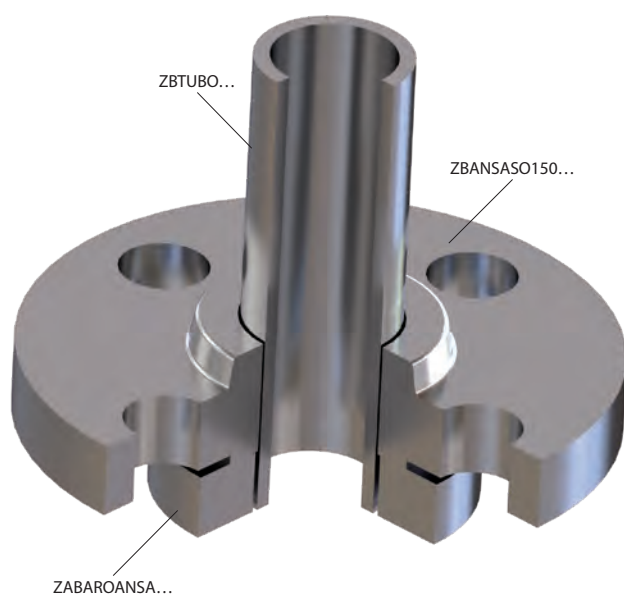
Tubo para soldar bridas ANSI-DIN

Rohr für Schweißflansche ANSI-DIN

Tube à souder brides ANSI-DIN



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 3/8"  | ZBTUBO06              | 6,50  |
| 1/2"  | ZBTUBO08              | 10,51 |
| 3/4"  | ZBTUBO12              | 8,96  |
| 1"    | ZBTUBO16              | 9,89  |
| 1"1/4 | ZBTUBO20              | 16,45 |
| 1"1/2 | ZBTUBO24              | 16,84 |
| 2"    | ZBTUBO32              | 22,04 |
| 2"1/2 | ZBTUBO40              | 21,63 |
| 3"    | ZBTUBO48              | 30,33 |
| 4"    | ZBTUBO64              | 40,88 |

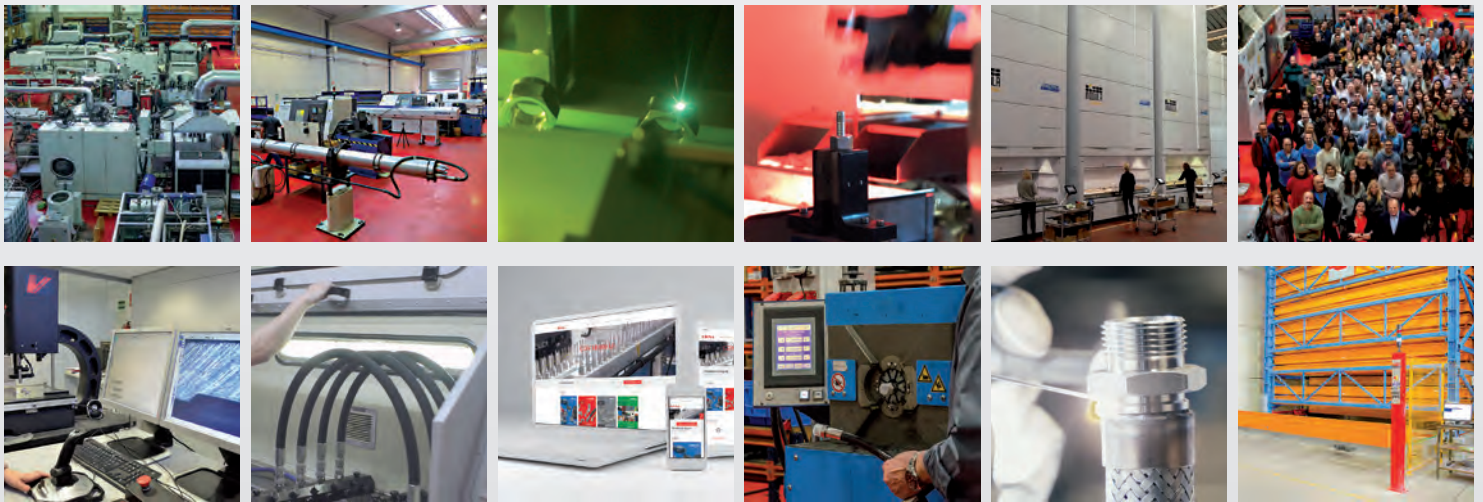


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Taller Latiguillos - Hose Assembly Workshop

Taller Soldadura - Welding Workshop

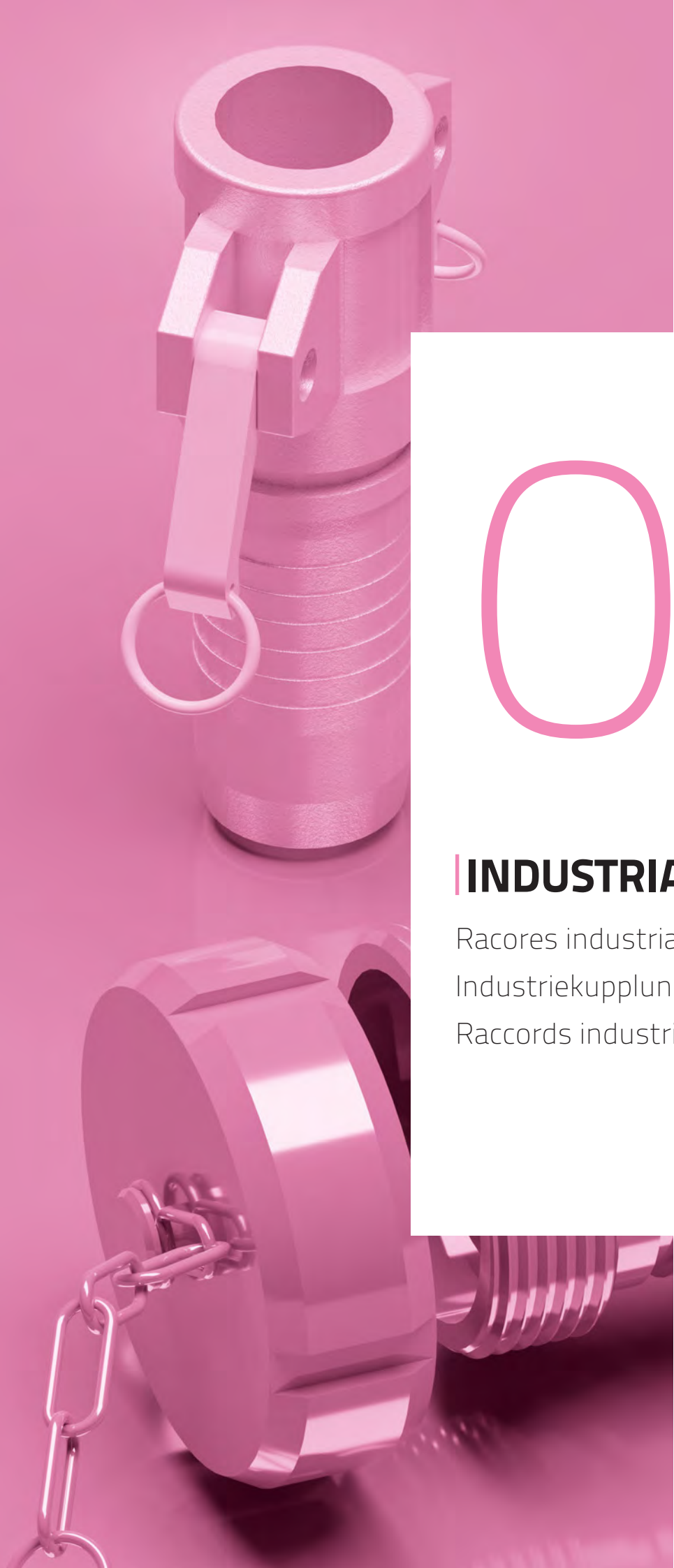
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|                                                                                                                                      |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Food industry fittings</b>                                                                                                        | <b>213</b> |
| Racores industria alimentaria<br>Kupplungen für Lebensmittelindustrie<br>Raccords alimentaires                                       |            |
| <b>DIN 2828 Camlock Fittings</b>                                                                                                     | <b>221</b> |
| Serie Camlock DIN 2828<br>CAMLOCK AISI 316 - DIN 2828<br>Raccords Camlock DIN 2828                                                   |            |
| <b>GUILLEMIN NF E-29572 Fittings</b>                                                                                                 | <b>225</b> |
| Acoples GUILLEMIN NF E-29572<br>Kupplungen GUILLEMIN NF E-29572<br>Raccords GUILLEMIN NF E-29572                                     |            |
| <b>TW (Tankwagen) DIN 28450 Fittings</b>                                                                                             | <b>227</b> |
| Acoples TW (Tankwagen) DIN 28450<br>Kupplungen TW (Tankwagen) DIN 28450<br>Raccords TW (Tankwagen) DIN 28450                         |            |
| <b>Stainless Steel accessories for industrial fitting</b>                                                                            | <b>228</b> |
| Accesorios inox para racor industrial<br>Edelstahl-Zubehör für Industriekupplungen<br>Accessoires acier inox pour raccord industriel |            |
| <b>Screw low pressure fittings 150 LBS</b>                                                                                           | <b>229</b> |
| Racores baja presión 150 LBS<br>Niederdruck-Armaturen 150 lbs<br>Raccords basse pression 150 LBS                                     |            |



The image features a vertical composition with a solid magenta background. On the left side, there are two detailed 3D renderings of industrial fittings. The upper fitting is a vertical assembly with a flanged top, a central body with horizontal ridges, and a side-mounted bracket with a ring. The lower fitting is a horizontal, flanged component with a chain attached to its side. On the right side, the number '06' is displayed in a large, thin, magenta outline font.

# 06

## **INDUSTRIAL FITTINGS**

Racores industriales  
Industriekupplungen  
Raccords industriels

Food industry fittings

Racores industria alimentaria

Kupplungen für Lebensmittelindustrie

Raccords alimentaires

Crimping ferrules ▪ Casquillos para prensar ▪ Pressfassungen ▪ Jupes à sertir

| 213



SMS Unions ▪ Racores SMS ▪ SMS-Armaturen ▪ Raccords SMS

| 214



Clamp Unions ▪ Racores Tri-Clamp ▪ TRI-CLAMP-Armaturen ▪ Raccords Tri-Clamp

| 216



DIN 11851 Unions ▪ Racores DIN 11851 ▪ Verschraubungen Din 11851 ▪ Raccords DIN 11851

| 217



Macon Unions ▪ Racores Macon ▪ Verschraubungen Macon ▪ Raccords Macon

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Food industry fittings for PTFE hose STD Series ▪ Racores alimentarios para manguera PTFE Serie STD ▪ Lebensmit-  
telarmaturen für PTFE Serie STD ▪ Raccords alimentaires pour tuyau PTFE Série STD

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RJT Fittings ▪ Racores RJT ▪ RJT Armaturen ▪ Raccords RJT

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## DIN 2828 Camlock Fittings

Serie Camlock DIN 2828  
CAMLOCK AISI 316 - DIN 2828  
Raccords Camlock DIN 2828

Camlock Unions AISI 316 ▪ Racores Camlock AISI 316 ▪ CAMLOCK AISI 316 ▪ Raccords Camlock AISI 316

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## Serie Autolock AISI 316

Autolock Unions AISI 316  
AUTOLOCK AISI 316  
Raccords Autolock AISI 316

Autolock Unions AISI 316 ▪ Racores Autolock AISI 316 ▪ AUTOLOCK AISI 316 ▪ Raccords Autolock AISI 316

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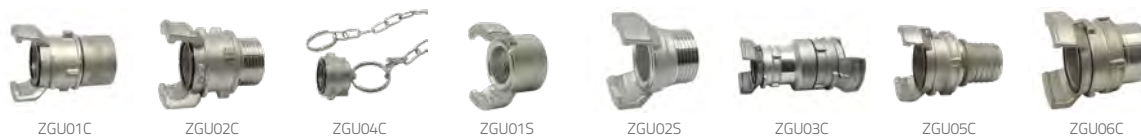


## GUILLEMIN NF E-29572 Fittings

Acoples GUILLEMIN NF E-29572  
Kupplungen GUILLEMIN NF E-29572  
Raccords GUILLEMIN NF E-29572

GUILLEMIN Stainless Steel ▪ GUILLEMIN inox ▪ GUILLEMIN Edelstahl ▪ GUILLEMIN acier inox

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## TW (Tankwagen) DIN 28450 Fittings

Acoples TW (Tankwagen) DIN 28450  
Kupplungen TW (Tankwagen) DIN 28450  
Raccords TW (Tankwagen) DIN 28450

TW Stainless Steel ▪ TW (Tankwagen) inox ▪ TW Edelstahl ▪ TW acier inox

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**Stainless Steel accessories for industrial fitting**

Accesorios inox para racor industrial  
 Edelstahl-Zubehör für Industriekupplungen  
 Accessoires acier inox pour raccord industriel

Stainless Steel Crimping Ferrule for industrial fitting ▪ Campana inox para racor industrial ▪ Edelstahl-Hülse für Industriekupplungen ▪ Jupe pour raccord industriel acier inox

228



ZCA

Stainless Steel clamp for industrial fitting ▪ Abrazadera inox para racor industrial ▪ Edelstahl-Schelle für Industriekupplung ▪ Collier pour raccord industriel acier inox

228



ZAB01



ZAB02

**Screw low pressure fittings 150 LBS**

Racores baja presión 150 LBS  
 Niederdruck-Armaturen 150 lbs  
 Raccords basse pression 150 LBS

Screwed fittings low pressure 150 LBS ▪ 150 LBS Microfundido ▪ Niederdruck-Armaturen150 lbs ▪ Adapteurs basse pression 150 LBS

229



Welding fittings low pressure 150 LBS ▪ 150 LBS Soldables ▪ Niederdruck-Schweißarmaturen 150 LBS ▪ Raccords à souder basse pression 150 LBS

232



150 LBS fittings Valves ▪ 150 LBS Válvulas ▪ 150 LBS-Armaturen-Ventile ▪ Raccords Vannes150 LBS

233



BP2V3P

BP2V

## Food industry fittings

Racores industria alimentaria  
Kupplungen für Lebensmittelindustrie  
Raccords alimentaires

### Food industry hoses ferrules

Casquillos para mangueras alimentarias

Pressfassungen für Lebensmittelschläuche

Jupes à sertir tuyaux alimentaires



| DN       | Ø MANGUERA<br>Ø HOSE | Referencia<br>Part n° | €      |
|----------|----------------------|-----------------------|--------|
| 13-1/2"  | 23                   | 810421324             | 16,24  |
| 19-3/4"  | 32                   | 810421933             | 20,78  |
| 25-1"    | 39                   | 810422540             | 25,29  |
| 32-1"1/4 | 48                   | 810423248             | 36,89  |
| 38-1"1/2 | 52                   | 810423852             | 49,92  |
| 38-1"1/2 | 56                   | 810423857             | 62,96  |
| 40-1"1/2 | 54                   | 810424055             | 54,90  |
| 40-1"1/2 | 60                   | 810424061             | 63,15  |
| 50-2"    | 63                   | 810425064             | 68,13  |
| 50-2"    | 68                   | 810425069             | 88,23  |
| 50-2"    | 73                   | 810425073             | 91,09  |
| 65-2"1/2 | 79                   | 810426580             | 93,89  |
| 65-2"1/2 | 93                   | 810426593             | 153,07 |
| 70-3"    | 89                   | 810427090             | 193,67 |
| 75-3"    | 94                   | 810427595             | 141,42 |
| 75-3"    | 106                  | 8104275107            | 261,31 |
| 100-4"   | 122                  | 81042100123           | 239,58 |
| 100-4"   | 134                  | 81042100135           | 325,29 |



## FOOD INDUSTRY HOSES | MANGUERAS ALIMENTARIAS



Hoses suitable for suction and discharge:  
Milk, wine, oils, fatty foods, alcohol drinks (max 40%), etc. /

Mangueras aptas para productos alimentarios de aspiración e impulsión:

Leche, vino, aceites, alimentos grasos, bebidas alcohol (máx. 40%), etc.

Ver precios en Catálogo Conducciones. | See prices in Connectors Catalogue.



# Food industry fittings

Racores industria alimentaria  
Kupplungen für Lebensmittelindustrie  
Raccords alimentaires

## Swivel female SMS

Hembras giratorias SMS  
Dichtkopf mit Ü-Mutter SMS  
Raccord femelle tournante SMS



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €      |
|-----------------|-----|-----------------------|--------|
| 40x1/6"         | 25  | ZRA2004025            | 37,74  |
| 48x1/6"         | 32  | ZRA2004832            | 59,41  |
| 60x1/6"         | 38  | ZRA2006038            | 78,14  |
| 60x1/6"         | 40  | ZRA2006040            | 87,99  |
| 70x1/6"         | 50  | ZRA2007050            | 106,70 |
| 85x1/6"         | 63  | ZRA2008563            | 187,92 |
| 85x1/6"         | 65  | ZRA2008565            | 174,94 |
| 98x1/6"         | 70  | ZRA2009870            | 277,79 |
| 98x1/6"         | 75  | ZRA2009875            | 261,65 |
| 98x1/6"         | 80  | ZRA2009880            | 345,37 |
| 125x1/4"        | 100 | ZRA200125100          | 361,02 |
| 132x1/4"        | 100 | ZRA200132100          | 440,56 |

## Fixed male SMS

Machos fijos SMS  
Außengewinde SMS  
Raccord mâle SMS



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €      |
|-----------------|-----|-----------------------|--------|
| 40x1/6"         | 25  | ZRA2124025            | 45,26  |
| 48x1/6"         | 32  | ZRA2124832            | 73,29  |
| 60x1/6"         | 38  | ZRA2126038            | 85,99  |
| 60x1/6"         | 40  | ZRA2126040            | 80,06  |
| 70x1/6"         | 50  | ZRA2127050            | 163,78 |
| 85x1/6"         | 63  | ZRA2128563            | 185,18 |
| 85x1/6"         | 65  | ZRA2128565            | 170,12 |
| 98x1/6"         | 70  | ZRA2129870            | 366,01 |
| 98x1/6"         | 75  | ZRA2129875            | 314,92 |
| 98x1/6"         | 80  | ZRA2129880            | 366,13 |
| 125x1/4"        | 100 | ZRA212125100          | 326,35 |
| 132x1/4"        | 100 | ZRA212132100          | 501,30 |

## Nuts SMS

Tuercas SMS  
Muttern SMS  
Écrou SMS



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €     |
|-----------------|-----|-----------------------|-------|
| 40x1/6"         | 25  | ZSMS H 25             | 17,51 |
| 48x1/6"         | 32  | ZSMS H 32             | 16,29 |
| 60x1/6"         | 38  | ZSMS H 38             | 19,88 |
| 70x1/6"         | 51  | ZSMS H 51             | 28,36 |
| 85x1/6"         | 63  | ZSMS H 63             | 43,79 |
| 98x1/6"         | 76  | ZSMS H 76             | 57,61 |
| 125x1/4"        | 104 | ZSMS H 104            | 70,64 |
| 132x1/4"        | 104 | ZSMS H 105            | 70,64 |

## Liner to weld SMS

Conos soldables SMS  
Schweißkegel SMS  
Douilles à souder SMS



| DN  | Referencia<br>Part n° | €     |
|-----|-----------------------|-------|
| 25  | ZSMS S 25             | 7,61  |
| 32  | ZSMS S 32             | 9,40  |
| 38  | ZSMS S 38             | 15,34 |
| 51  | ZSMS S 51             | 28,82 |
| 63  | ZSMS S 63             | 48,18 |
| 76  | ZSMS S 76             | 54,19 |
| 104 | ZSMS S 104            | 73,07 |

## Weld male SMS

Machos soldables SMS  
Schweiß-Außengewinde SMS  
Nez à souder SMS



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €     |
|-----------------|-----|-----------------------|-------|
| 40x1/6"         | 25  | ZSMS M 25             | 15,78 |
| 48x1/6"         | 32  | ZSMS M 32             | 18,23 |
| 60x1/6"         | 38  | ZSMS M 38             | 15,83 |
| 70x1/6"         | 51  | ZSMS M 51             | 18,92 |
| 85x1/6"         | 63  | ZSMS M 63             | 29,67 |
| 98x1/6"         | 76  | ZSMS M 76             | 29,99 |
| 125x1/4"        | 104 | ZSMS M 104            | 43,41 |

## Food industry fittings

Racores industria alimentaria  
Kupplungen für Lebensmittelindustrie  
Raccords alimentaires

### Blind round nut SMS

Tapones SMS

Blindrundmutter SMS

Ecrou Bouchon Avec Chainette



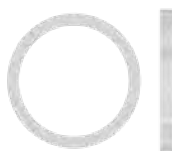
| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 25  | 40X1/6"         | Z SMS BN 25           | 20,04  |
| 38  | 60X1/6"         | Z SMS BN 38           | 36,58  |
| 51  | 70X1/6"         | Z SMS BN 51           | 44,61  |
| 63  | 85X1/6"         | Z SMS BN 63           | 66,25  |
| 76  | 98X1/6"         | Z SMS BN 76           | 89,43  |
| 104 | 125X1/4"        | Z SMS BN 104          | 114,43 |

### Silicone joint for SMS

Junta SMS silicona

Silikon-Dichtring SMS

Joint silicone pour SMS



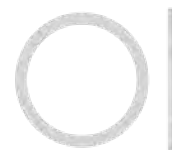
| DN  | Referencia<br>Part n° | €    |
|-----|-----------------------|------|
| 25  | JSMSS 25              | 2,63 |
| 32  | JSMSS 32              | 3,25 |
| 38  | JSMSS 38              | 3,70 |
| 51  | JSMSS 51              | 4,07 |
| 63  | JSMSS 63              | 5,42 |
| 76  | JSMSS 76              | 6,00 |
| 104 | JSMSS 104             | 6,96 |

### PTFE Joint for SMS

Juntas SMS PTFE

PTFE-Dichtringe SMS

Joint PTFE pour SMS



| DN | Referencia<br>Part n° | €     |
|----|-----------------------|-------|
| 25 | JSMSP 25              | 9,95  |
| 32 | JSMSP 32              | 12,25 |
| 38 | JSMSP 38              | 18,87 |
| 51 | JSMSP 51              | 15,51 |
| 63 | JSMSP 63              | 16,75 |
| 76 | JSMSP 76              | 30,59 |



Food industry fittings

Racores industria alimentaria

Kupplungen für Lebensmittelindustrie

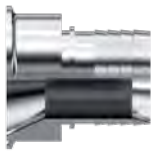
Raccords alimentaires

Tri-Clamp ISO 2852

Tri-Clamp ISO 2852

Spannringskupplung TRI-CLAMP ISO 2852

Raccord Tri-Clamp ISO 2852



| Ø    | DN | Referencia<br>Part n° | €      |
|------|----|-----------------------|--------|
| 25   | 12 | ZTC2512               | 18,57  |
| 25   | 19 | ZTC2519               | 21,06  |
| 34   | 12 | ZTC3412               | 30,44  |
| 34   | 19 | ZTC3419               | 35,99  |
| 50,5 | 19 | ZTC5019               | 42,02  |
| 50,5 | 25 | ZTC5025               | 39,53  |
| 50,5 | 32 | ZTC5032               | 45,35  |
| 50,5 | 38 | ZTC5038               | 49,88  |
| 50,5 | 40 | ZTC5040               | 56,65  |
| 64   | 38 | ZTC6438               | 76,72  |
| 64   | 40 | ZTC6440               | 75,53  |
| 64   | 50 | ZTC6450               | 85,31  |
| 77,5 | 50 | ZTC7750               | 131,03 |
| 77,5 | 65 | ZTC7763               | 161,22 |
| 91   | 65 | ZTC9165               | 194,69 |
| 91   | 75 | ZTC9175               | 231,58 |

Welding Tri-Clamp for pipe

Tri-Clamp para soldar en tubo

TRI-CLAMP zum Rohr-Schweißen

Raccord Tri-Clamp à souder pour tube



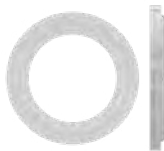
| Ø    | DN   | Referencia<br>Part n° | €     |
|------|------|-----------------------|-------|
| 25   | 12   | ZC25-12               | 9,35  |
| 34   | 12   | ZC34-12               | 10,42 |
| 34   | 18   | ZC34-18               | 10,42 |
| 50,5 | 18   | ZC50-18               | 15,17 |
| 50,5 | 25   | ZC50-25               | 9,71  |
| 50,5 | 33.7 | ZC50-33.7             | 11,50 |
| 50,5 | 38   | ZC50-38               | 10,20 |
| 64   | 38   | ZC64-38               | 17,14 |
| 64   | 51   | ZC64-51               | 13,45 |
| 91   | 65   | ZC91-65               | 26,91 |

Joint for silicone clamp

Juntas para Clamp Silicona

Dichtring für Schelle Silikon

Joint pour clamp silicone



| Ø  | Referencia<br>Part n° | €     |
|----|-----------------------|-------|
| 25 | JCLAMPS 25            | 9,91  |
| 34 | JCLAMPS 34            | 4,73  |
| 50 | JCLAMPS 50            | 4,58  |
| 64 | JCLAMPS 64            | 8,85  |
| 77 | JCLAMPS 77            | 18,20 |
| 91 | JCLAMPS 91            | 15,97 |

Joint for PTFE clamp

Juntas para Clamp PTFE

Dichtring für Schelle PTFE

Joint pour clamp PTFE



| Ø  | Referencia<br>Part n° | €     |
|----|-----------------------|-------|
| 25 | JCLAMPP 25            | 30,46 |
| 34 | JCLAMPP 34            | 18,28 |
| 50 | JCLAMPP 50            | 13,11 |
| 64 | JCLAMPP 64            | 19,53 |
| 77 | JCLAMPP 77            | 23,84 |
| 91 | JCLAMPP 91            | 38,01 |

Tri-Clamp with 1 pin

Abrazaderas Tri-clamp con 1 pin

TRI-CLAMP mit 1 pin

Collier Tri-Clamp avec 1 pin



| Ø  | Referencia<br>Part n° | €     |
|----|-----------------------|-------|
| 25 | ZAC1P25               | 17,30 |
| 34 | ZAC1P34               | 16,97 |
| 50 | ZAC1P50               | 21,15 |
| 64 | ZAC1P64               | 24,21 |
| 77 | ZAC1P77               | 29,01 |
| 91 | ZAC1P91               | 32,07 |

Tri-Clamp cover

Tri-Clamp Tapa

TRI-CLAMP Deckel

Tri-Clamp Couvercle



| Ø    | Referencia<br>Part n° | €     |
|------|-----------------------|-------|
| 25   | ZPC25                 | 6,26  |
| 34   | ZPC34                 | 6,65  |
| 50,5 | ZPC50                 | 7,89  |
| 64   | ZPC64                 | 10,43 |
| 77,5 | ZPC77                 | 16,20 |
| 91   | ZPC91                 | 27,28 |



# Food industry fittings

Racores industria alimentaria  
Kupplungen für Lebensmittelindustrie  
Raccords alimentaires

## Swivel female DIN 11851

Hembras giratorias DIN 11851

Dichtkopf mit Ü-Mutter DIN 11851

Raccord femelle tournante DIN 11851



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €      |
|-----------------|-----|-----------------------|--------|
| 44x1/6"         | 20  | ZRA1004420            | 48,67  |
| 52x1/6"         | 25  | ZRA1005225            | 49,40  |
| 58x1/6"         | 32  | ZRA1005832            | 61,92  |
| 65x1/6"         | 38  | ZRA1006538            | 73,54  |
| 65x1/6"         | 40  | ZRA1006540            | 78,55  |
| 78x1/6"         | 50  | ZRA1007850            | 121,71 |
| 95x1/6"         | 63  | ZRA1009563            | 204,51 |
| 95x1/6"         | 65  | ZRA1009565            | 200,36 |
| 110x1/4"        | 75  | ZRA10011075           | 285,09 |
| 110x1/4"        | 80  | ZRA10011080           | 327,23 |
| 130x1/4"        | 100 | ZRA100130100          | 458,12 |

## Fixed male DIN 11851

Machos fijos DIN 11851

Außengewinde DIN 11851 fest

Raccord mâle DIN 11851



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €      |
|-----------------|-----|-----------------------|--------|
| 52x1/6"         | 25  | ZRA1125225            | 76,58  |
| 58x1/6"         | 32  | ZRA1125832            | 82,94  |
| 65x1/6"         | 38  | ZRA1126538            | 127,67 |
| 65x1/6"         | 40  | ZRA1126540            | 122,56 |
| 78x1/6"         | 50  | ZRA1127850            | 156,35 |
| 95x1/6"         | 63  | ZRA1129563            | 248,38 |
| 95x1/6"         | 65  | ZRA1129565            | 244,43 |
| 110x1/4"        | 75  | ZRA11211075           | 360,99 |
| 110x1/4"        | 80  | ZRA11211080           | 350,89 |
| 130x1/4"        | 100 | ZRA112130100          | 525,67 |

## Nuts DIN 11851

Tuercas DIN 11851

Muttern DIN 11851

Écrous DIN 11851



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €     |
|-----------------|-----|-----------------------|-------|
| 34x1/8"         | 16  | ZDIN H 16             | 15,91 |
| 44x1/6"         | 20  | ZDIN H 20             | 14,53 |
| 52x1/6"         | 25  | ZDIN H 25             | 16,76 |
| 58x1/6"         | 32  | ZDIN H 32             | 18,18 |
| 65x1/6"         | 40  | ZDIN H 40             | 22,13 |
| 78x1/6"         | 50  | ZDIN H 50             | 28,25 |
| 95x1/6"         | 65  | ZDIN H 65             | 37,56 |
| 110x1/4"        | 80  | ZDIN H 80             | 53,52 |
| 130x1/4"        | 100 | ZDIN H 100            | 62,97 |

## DIN 11851 Blind round nut

Tapones DIN 11851

DIN 11851 Blindrundmutter

DIN 11851 Ecou Bouchon Avec Chainette



| DN | ROSCA    | Referencia<br>Part n° | €      |
|----|----------|-----------------------|--------|
| 20 | 44X1/6"  | Z DIN BN 20           | 24,99  |
| 25 | 52X1/6"  | Z DIN BN 25           | 28,97  |
| 32 | 58X1/6"  | Z DIN BN 32           | 33,44  |
| 40 | 65X1/6"  | Z DIN BN 40           | 39,17  |
| 50 | 78X1/6"  | Z DIN BN 50           | 50,89  |
| 65 | 95X1/6"  | Z DIN BN 65           | 77,01  |
| 80 | 110X1/4" | Z DIN BN 80           | 113,10 |

## Liner to weld DIN 11851

Conos soldables DIN 11851

Schweißkegel DIN 11851

Douilles à souder DIN 11851



| DN    | Referencia<br>Part n° | €     |
|-------|-----------------------|-------|
| 16    | ZDIN S 16             | 13,45 |
| 20    | ZDIN S 20             | 13,45 |
| 25    | ZDIN S 25             | 14,68 |
| 32    | ZDIN S 32             | 17,14 |
| 40    | ZDIN S 40             | 19,60 |
| 50    | ZDIN S 50             | 22,14 |
| 65    | ZDIN S 65             | 41,59 |
| 75/80 | ZDIN S 80             | 45,28 |
| 100   | ZDIN S 100            | 67,34 |

## Weld male DIN 11851

Machos soldables DIN 11851

Schweiß-Außengewinde DIN 11851

Nez à souder DIN 11851



| ROSCA<br>THREAD | DN    | Referencia<br>Part n° | €     |
|-----------------|-------|-----------------------|-------|
| 34x1/8"         | 16    | ZDIN M 16             | 18,37 |
| 44x1/6"         | 20    | ZDIN M 20             | 18,37 |
| 52x1/6"         | 25    | ZDIN M 25             | 17,56 |
| 58x1/6"         | 32    | ZDIN M 32             | 20,83 |
| 65x1/6"         | 40    | ZDIN M 40             | 23,29 |
| 78x1/6"         | 50    | ZDIN M 50             | 27,95 |
| 95x1/6"         | 65    | ZDIN M 65             | 45,68 |
| 110x1/4"        | 75/80 | ZDIN M 80             | 68,92 |
| 130x1/4"        | 100   | ZDIN M 100            | 76,16 |

Food industry fittings

Racores industria alimentaria

Kupplungen für Lebensmittelindustrie

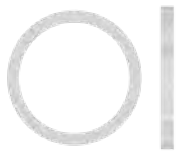
Raccords alimentaires

Silicone joint for DIN 11851

Juntas DIN 11851 silicona

Silikon-Dichtring DIN 11851

Joint silicône pour DIN 11851



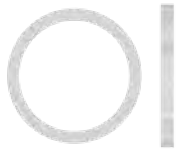
| DN | Referencia<br>Part n° | €    |
|----|-----------------------|------|
| 20 | JDINS 20              | 2,44 |
| 25 | JDINS 25              | 2,09 |
| 32 | JDINS 32              | 3,10 |
| 40 | JDINS 40              | 2,70 |
| 50 | JDINS 50              | 2,48 |
| 65 | JDINS 65              | 3,11 |
| 80 | JDINS 80              | 8,45 |

PTFE Joint for DIN 11851

Juntas DIN 11851 PTFE

PTFE-Dichtring DIN 11851

Joint PTFE pour DIN 11851



| DN  | Referencia<br>Part n° | €     |
|-----|-----------------------|-------|
| 20  | JDINP 20              | 10,33 |
| 25  | JDINP 25              | 11,67 |
| 32  | JDINP 32              | 11,30 |
| 40  | JDINP 40              | 12,29 |
| 50  | JDINP 50              | 14,36 |
| 65  | JDINP 65              | 15,77 |
| 80  | JDINP 80              | 16,34 |
| 100 | JDINP 100             | 25,63 |

Swivel female Macon

Hembras giratorias Macon

Dichtkopf mit Ü-Mutter MACON

Raccord femelle tournante Macon



| ROSCA<br>THREAD | DN | Referencia<br>Part n° | €      |
|-----------------|----|-----------------------|--------|
| M55x3           | 38 | ZRA3005538            | 86,01  |
| M55x3           | 40 | ZRA3005540            | 81,23  |
| M67x3           | 50 | ZRA3006750            | 100,51 |
| M79x3,5         | 65 | ZRA3007965            | 172,07 |
| M90x3,5         | 65 | ZRA3009065            | *      |
| M90x3,5         | 70 | ZRA3009070            | 190,20 |
| M90x3,5         | 80 | ZRA3009080            | 148,86 |
| M102x4          | 80 | ZRA30010280           | 244,51 |

Male fixe Macon

Machos fijos Macon

Außengewinde MACON

Raccord mâle fixe Macon



| ROSCA<br>THREAD | DN | Referencia<br>Part n° | € |
|-----------------|----|-----------------------|---|
| M55x3           | 38 | ZRA3125538            | * |
| M55x3           | 40 | ZRA3125540            | * |
| M67x3           | 50 | ZRA3126750            | * |
| M79x3,5         | 65 | ZRA3127965            | * |
| M90x3,5         | 70 | ZRA3129070            | * |
| M90x3,5         | 80 | ZRA3129080            | * |
| M102x4          | 80 | ZRA31210280           | * |

Macon nuts

Tuercas Macon

Muttern MACON (AISI 316)

Écrous à crans Macon



| ROSCA<br>THREAD | DN  | Referencia<br>Part n° | €     |
|-----------------|-----|-----------------------|-------|
| M55x3           | 40  | ZMAC H 40             | 25,48 |
| M67x3           | 50  | ZMAC H 50             | 34,47 |
| M79x3,5         | 60  | ZMAC H 60             | 26,96 |
| M90x3,5         | 70  | ZMAC H 70             | 29,38 |
| M102x4          | 80  | ZMAC H 80             | 38,21 |
| M125x4          | 100 | ZMAC H 100            | 68,75 |

# Food industry fittings

Racores industria alimentaria  
Kupplungen für Lebensmittelindustrie  
Raccords alimentaires

## Swivel female SMS for PTFE STD Series

Hembras giratorias prensar SMS para PTFE Serie STD

Dichtkopf mit Ü-Mutter SMS für PTFE Serie STD

Femelle tournante SMS pour PTFE Série STD



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 40x1/6"         | 1"     | ZRA2504016            | 56,58  |
| 48x1/6"         | 1" 1/4 | ZRA2504820            | 70,16  |
| 60x1/6"         | 1" 1/2 | ZRA2506024            | 106,62 |
| 70x1/6"         | 2"     | ZRA2507032            | 144,74 |
| 85x1/6"         | 2" 1/2 | ZRA2508540            | 218,38 |

## Swivel female DIN 11851 for PTFE hose STD Series

Hembras giratorias DIN 11851 para PTFE Serie STD

Dichtkopf DIN 11851 für 6 kt-Nippel SMS für PTFE hose Serie STD

Raccord femelle tournante DIN 11851 pour PTFE Série STD



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 52x1/6"         | 1"     | ZRA1505216            | 79,82  |
| 58x1/6"         | 1" 1/4 | ZRA1505820            | 94,72  |
| 65x1/6"         | 1" 1/2 | ZRA1506524            | 99,58  |
| 78x1/6"         | 2"     | ZRA1507832            | 157,05 |
| 95x1/6"         | 2" 1/2 | ZRA1509540            | 271,22 |

## Fixed male SMS for PTFE hose STD Series

Machos SMS para PTFE Serie STD

Außengewinde SMS für PTFE Serie STD

Raccord mâle SMS pour PTFE Série STD



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 40x1/6"         | 1"     | ZRA2524016            | 58,10  |
| 48x1/6"         | 1" 1/4 | ZRA2524820            | 80,59  |
| 60x1/6"         | 1" 1/2 | ZRA2526024            | 101,24 |
| 70x1/6"         | 2"     | ZRA2527032            | 197,70 |
| 85x1/6"         | 2" 1/2 | ZRA2528540            | 209,84 |

## Fixed male DIN 11851 for PTFE hose STD Series

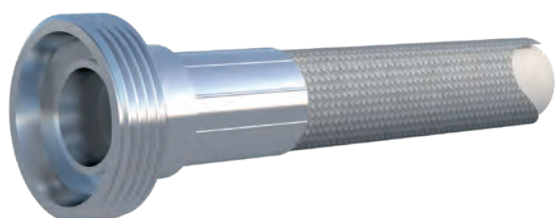
Machos DIN 11851 para PTFE Serie STD

Außengewinde SMS DIN 11851 für PTFE Serie STD

Raccord mâle DIN 11851 pour PTFE Série STD



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 52x1/6"         | 1"     | ZRA1525216            | 85,02  |
| 78x1/6"         | 2"     | ZRA1527832            | 198,36 |
| 58x1/6"         | 1" 1/4 | ZRA1525820            | 105,25 |
| 65x1/6"         | 1" 1/2 | ZRA1526524            | 114,91 |
| 95x1/6"         | 2" 1/2 | ZRA1529540            | 305,09 |



## Tri-Clamp Fittings STD Series

Racores Tri-Clamp Serie STD

Dichtkopf TRI-CLAMP Serie STD

Raccords Tri-Clamp Série STD



| Ø    | DN     | Referencia<br>Part n° | €      |
|------|--------|-----------------------|--------|
| 34   | 3/8"   | ZTCS3406              | 31,94  |
| 50,5 | 3/4"   | ZTCS5012              | 54,91  |
| 50,5 | 1"     | ZTCS5016              | 57,55  |
| 50,5 | 1" 1/4 | ZTCS5020              | 64,21  |
| 50,5 | 1" 1/2 | ZTCS5024              | 68,43  |
| 64   | 1" 1/2 | ZTCS6424              | 91,80  |
| 64   | 2"     | ZTCS6432              | 118,83 |
| 77,5 | 2"     | ZTCS7732              | 202,11 |

## Ferrules for smooth PTFE

Casquillos PTFE liso

Pressfassungen für PTFE-Glattschläuche

Jupes PTFE lisse



| DN    | Referencia<br>Part n° | € |
|-------|-----------------------|---|
| 1/8"  | 810400100             | * |
| 3/16" | 810400300             | * |
| 1/4"  | 810400400             | * |
| 5/16" | 810400500             | * |
| 3/8"  | 810400600             | * |
| 1/2"  | 810400800             | * |
| 5/8"  | 810401000             | * |
| 3/4"  | 810401200             | * |
| 1"    | 810401600             | * |

\*See prices p.23 / \*Ver precios en p.23 / \*Vgl. Sie die Preise auf S. 23 / \*Voir prix p.23

## Ferrules for convoluted PTFE

Casquillos PTFE corrugado

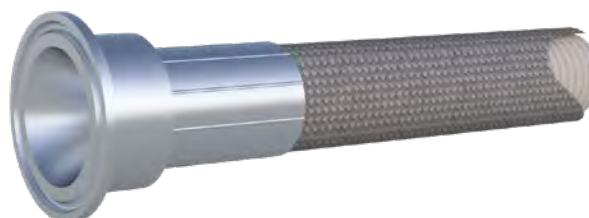
Pressfassungen für PTFE-Wellschläuche mit Umfl.

Jupes PTFE convoluté



| DN    | Referencia<br>Part n° | € |
|-------|-----------------------|---|
| 1/4"  | 810410400             | * |
| 5/16" | 810410500             | * |
| 3/8"  | 810410600             | * |
| 1/2"  | 810410800             | * |
| 5/8"  | 810411000             | * |
| 3/4"  | 810411201             | * |
| 1"    | 810411600             | * |
| 1"1/4 | 810412000             | * |
| 1"1/2 | 810412400             | * |
| 2"    | 810413200             | * |
| 2"1/2 | 810414000             | * |

\*See prices p.23 / \*Ver precios en p.23 / \*Vgl. Sie die Preise auf S. 23 / \*Voir prix p.23



# Food industry fittings

Racores industria alimentaria  
Kupplungen für Lebensmittelindustrie  
Raccords alimentaires

## RJT Nuts - 304

Tuercas RJT - 304

RJT-Muttern -304

Écrous RJT - 304



## Welded Liner RJT

Welded Liner RJT

Geschweißter Liner RJT

Revêtement soudé RJT



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €      |
|-----------------|--------|-----------------------|--------|
| 42.6X1/8        | 1"     | ZRJT H 25             | 32,75  |
| 55.3X1/8        | 1" 1/2 | ZRJT H 38             | 39,30  |
| 68.3X1/6        | 2"     | ZRJT H 51             | 52,41  |
| 80.9X1/6        | 2" 1/2 | ZRJT H 63             | 59,17  |
| 93.6X1/6        | 3"     | ZRJT H 76             | 66,74  |
| 119.1X1/6       | 4"     | ZRJT H 102            | 98,19  |
| 169.6X1/6       | 6"     | ZRJT H 152            | 253,14 |

| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1"     | ZRJT WL 25            | 14,16 |
| 1" 1/2 | ZRJT WL 38            | 18,81 |
| 2"     | ZRJT WL 51            | 23,53 |
| 2" 1/2 | ZRJT WL 63            | 28,91 |
| 3"     | ZRJT WL 76            | 34,43 |
| 4"     | ZRJT WL 102           | 47,06 |
| 6"     | ZRJT WL 152           | *     |

## RJT Male

Macho RJT

RJT-Stecker

RJT Mâle



## NBR RJT Gasket

Junta NBR RJT

NBR RJT-Dichtung

Joint NBR RJT



| ROSCA<br>THREAD | DN     | Referencia<br>Part n° | €     |
|-----------------|--------|-----------------------|-------|
| 45.72x8         | 1"     | ZRJT M 25             | 27,60 |
| 58.42x8         | 1" 1/2 | ZRJT M 38             | 33,63 |
| 72.72x6         | 2"     | ZRJT M 51             | 40,67 |
| 85.42x6         | 2" 1/2 | ZRJT M 63             | 55,05 |
| 98.12x6         | 3"     | ZRJT M 76             | 67,18 |
| 123.52x6        | 4"     | ZRJT M 102            | 81,92 |
| 174.32x6        | 6"     | ZRJT M 152            | *     |

| DN     | Referencia<br>Part n° | €         |
|--------|-----------------------|-----------|
| 1"     | JRJT NBR 25           | 4,72      |
| 1" 1/2 | JRJT NBR 38           | 6,69      |
| 2"     | JRJT NBR 51           | 8,08      |
| 2" 1/2 | JRJT NBR 63           | 10,73     |
| 3"     | JRJT NBR 76           | 13,30     |
| 4"     | JRJT NBR 102          | 15,46     |
| 6"     | JRJT NBR 152          | 10.170,98 |

# RING JOINT TYPE (RJT)

## RENDIMIENTO EXCEPCIONAL EXCEPTIONAL PERFORMANCE

UK'S MOST POPULAR

Industrias Lácteas, Cerveceras, Alimentaria e Industria General  
Dairy, Brewery, Food Processing & General Engineering Industries



+ RJT ESPIGA MANGUERA (consultar)  
+ RJT HOSE TAIL (on request)

# DIN 2828 Camlock Fittings

Serie Camlock DIN 2828  
CAMLOCK AISI 316 - DIN 2828  
Raccords Camlock DIN 2828

## Male Camlock coupling, female BSP threaded Type A

Camlock macho - rosca hembra BSP Tipo A

Kupplung BSP Typ A

Adapteur mâle Camlock- filetage femelle BSP Type A



| DN  | ROSCA THREAD | Referencia Part n° | €     |
|-----|--------------|--------------------|-------|
| 12  | 1/2"         | ZA012              | 6,57  |
| 20  | 1/2"         | ZA015              | 6,48  |
| 20  | 3/4"         | ZA020              | 10,13 |
| 25  | 1"           | ZA025              | 12,88 |
| 32  | 1"1/4        | ZA032              | 16,86 |
| 40  | 1"1/2        | ZA040              | 22,87 |
| 50  | 2"           | ZA050              | 30,70 |
| 65  | 2"1/2        | ZA065              | 42,34 |
| 80  | 3"           | ZA080              | 54,62 |
| 100 | 4"           | ZA100              | 74,93 |

## Female Camlock coupling, male BSPT threaded Type B

Camlock hembra - rosca macho BSPT Tipo B

Kupplung BSPT TYP B

Adapteur Camlock femelle - filetage mâle BSPT Type B



| DN  | ROSCA THREAD | Referencia Part n° | €      |
|-----|--------------|--------------------|--------|
| 12  | 1/2"         | ZB012              | 14,91  |
| 20  | 1/2"         | ZB015              | 14,91  |
| 20  | 3/4"         | ZB020              | 15,67  |
| 25  | 1"           | ZB025              | 21,91  |
| 32  | 1"1/4        | ZB032              | 32,31  |
| 40  | 1"1/2        | ZB040              | 32,84  |
| 50  | 2"           | ZB050              | 46,22  |
| 65  | 2"1/2        | ZB065              | 59,46  |
| 80  | 3"           | ZB080              | 83,51  |
| 100 | 4"           | ZB100              | 118,73 |

## Female Camlock coupling with serrated hose shank Type C

Camlock hembra - para manguera Tipo C

Schlauch-Kupplung TYP C

Coupleur Camlock femelle - pour tuyau Type C



| DN  | Referencia Part n° | €      |
|-----|--------------------|--------|
| 12  | ZC012              | 13,95  |
| 20  | ZC015              | 13,95  |
| 20  | ZC020              | 17,12  |
| 25  | ZC025              | 23,11  |
| 32  | ZC032              | 33,99  |
| 40  | ZC040              | 37,27  |
| 50  | ZC050              | 47,57  |
| 65  | ZC065              | 63,98  |
| 80  | ZC080              | 105,89 |
| 100 | ZC100              | 130,91 |

## Female Camlock coupling, female BSP threaded Type D

Camlock hembra - rosca hembra BSP Tipo D

Kupplung BSP TYP D

Adapteur Camlock femelle BSP Type D



| DN  | ROSCA THREAD | Referencia Part n° | €      |
|-----|--------------|--------------------|--------|
| 12  | 1/2"         | ZD012              | 14,54  |
| 20  | 1/2"         | ZD015              | 14,43  |
| 20  | 3/4"         | ZD020              | 16,98  |
| 25  | 1"           | ZD025              | 23,41  |
| 32  | 1"1/4        | ZD032              | 35,37  |
| 40  | 1"1/2        | ZD040              | 35,46  |
| 50  | 2"           | ZD050              | 49,71  |
| 65  | 2"1/2        | ZD065              | 60,42  |
| 80  | 3"           | ZD080              | 86,44  |
| 100 | 4"           | ZD100              | 123,69 |

## Male Camlock coupling, with serrated hose shank Type E

Camlock macho - para manguera Tipo E

Schlauch-Kupplung TYP E

Coupleur Camlock mâle Type E



| DN  | Referencia Part n° | €      |
|-----|--------------------|--------|
| 12  | ZE012              | 6,72   |
| 20  | ZE015              | 6,72   |
| 20  | ZE020              | 9,16   |
| 25  | ZE025              | 13,74  |
| 32  | ZE032              | 20,73  |
| 40  | ZE040              | 26,15  |
| 50  | ZE050              | 37,96  |
| 65  | ZE065              | 51,44  |
| 80  | ZE080              | 84,88  |
| 100 | ZE100              | 110,07 |

## Male Camlock coupling, male BSPT threaded Type F

Camlock macho - rosca macho BSPT Tipo F

Kupplung BSPT TYP F

Adapteur Camlock mâle BSPT Type F



| DN  | ROSCA THREAD | Referencia Part n° | €      |
|-----|--------------|--------------------|--------|
| 12  | 1/2"         | ZF012              | 7,69   |
| 20  | 1/2"         | ZF015              | 7,68   |
| 20  | 3/4"         | ZF020              | 9,54   |
| 25  | 1"           | ZF025              | 13,29  |
| 32  | 1"1/4        | ZF032              | 17,83  |
| 40  | 1"1/2        | ZF040              | 27,63  |
| 50  | 2"           | ZF050              | 32,31  |
| 65  | 2"1/2        | ZF065              | 50,43  |
| 80  | 3"           | ZF080              | 65,72  |
| 100 | 4"           | ZF100              | 104,77 |

DIN 2828 Camlock Fittings

Serie Camlock DIN 2828  
CAMLOCK AISI 316 - DIN 2828  
Raccords Camlock DIN 2828

Female Camlock Coupling-Dust caps Type DC

Camlock hembra - tapón Tipo DC

Verschluss TYP DC

Bouchon Camlock femelle Type DC



| DN  | Referencia<br>Part n° | €     |
|-----|-----------------------|-------|
| 12  | ZDC012                | 12,92 |
| 20  | ZDC020                | 15,27 |
| 25  | ZDC025                | 20,82 |
| 32  | ZDC032                | 31,12 |
| 40  | ZDC040                | 31,74 |
| 50  | ZDC050                | 41,77 |
| 65  | ZDC065                | 51,54 |
| 80  | ZDC080                | 70,31 |
| 100 | ZDC100                | 94,58 |

Male Camlock coupling-Dust plugs Type DP

Camlock macho - tapón tipo DP

Verschluss TYP DP

Bouchon Camlock mâle Type DP



| DN  | Referencia<br>Part n° | €     |
|-----|-----------------------|-------|
| 12  | ZDP012                | 5,76  |
| 20  | ZDP020                | 7,04  |
| 25  | ZDP025                | 9,41  |
| 32  | ZDP032                | 13,98 |
| 40  | ZDP040                | 16,03 |
| 50  | ZDP050                | 23,26 |
| 65  | ZDP065                | 38,39 |
| 80  | ZDP080                | 46,93 |
| 100 | ZDP100                | 73,49 |

Camlock NBR Seal

Junta Camlock NBR

NBR-Dichtringe für CAMLOCK

Joint Camlock NBR



| DN  | Referencia<br>Part n° | €    |
|-----|-----------------------|------|
| 12  | JCAMNBR012            | 0,91 |
| 20  | JCAMNBR020            | 0,91 |
| 25  | JCAMNBR025            | 1,58 |
| 32  | JCAMNBR032            | 1,89 |
| 40  | JCAMNBR040            | 2,04 |
| 50  | JCAMNBR050            | 3,28 |
| 65  | JCAMNBR065            | 4,24 |
| 80  | JCAMNBR080            | 3,74 |
| 100 | JCAMNBR100            | 6,40 |

Camlock male - weldable BW

Camlock macho - soldable BW

Adapteur Camlock mâle à souder BW



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 21.3         | ZABW012               | 10,23 |
| 26.9         | ZABW020               | 11,35 |
| 33.7         | ZABW025               | 11,35 |
| 42.4         | ZABW032               | 23,35 |
| 48.3         | ZABW040               | 27,59 |
| 60.3         | ZABW050               | 32,81 |

Camlock female - weldable BW

Camlock hembra - soldable BW

Kupplung - schweißbar BW

Adapteur Camlock femelle à souder BW



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 21.3         | ZDBW012               | 14,91 |
| 26.9         | ZDBW020               | 15,67 |
| 33.7         | ZDBW025               | 21,67 |
| 42.4         | ZDBW032               | 29,84 |
| 48.3         | ZDBW040               | 32,70 |
| 60.3         | ZDBW050               | 46,22 |

Camlock silicone seal

Junta Camlock silicona

Silikon-Dichtring CAMLOCK

Joint Camlock silicône



| DN  | Referencia<br>Part n° | €     |
|-----|-----------------------|-------|
| 12  | JCAMS012              | 2,42  |
| 20  | JCAMS020              | 2,42  |
| 25  | JCAMS025              | 2,88  |
| 32  | JCAMS032              | 4,57  |
| 40  | JCAMS040              | 6,13  |
| 50  | JCAMS050              | 6,91  |
| 65  | JCAMS065              | 8,00  |
| 80  | JCAMS080              | 11,94 |
| 100 | JCAMS100              | 15,98 |



## DIN 2828 Camlock Fittings

Serie Camlock DIN 2828  
CAMLOCK AISI 316 - DIN 2828  
Raccords Camlock DIN 2828

### Male Camlock coupling, female NPT threaded Type A

Camlock macho - rosca hembra NPT Tipo A

Kupplung NPT Typ A

Adapteur Camlock mâle - filetage femelle NPT Type A



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----|-----------------|-----------------------|-------|
| 12  | 1/2"            | ZA012NPT              | 6,48  |
| 20  | 3/4"            | ZA020NPT              | 10,07 |
| 25  | 1"              | ZA025NPT              | 13,13 |
| 32  | 1" 1/4          | ZA032NPT              | 16,39 |
| 40  | 1" 1/2          | ZA040NPT              | 22,34 |
| 50  | 2"              | ZA050NPT              | 30,95 |
| 65  | 2" 1/2          | ZA065NPT              | 42,34 |
| 80  | 3"              | ZA080NPT              | 54,07 |
| 100 | 4"              | ZA100NPT              | 74,98 |

### Female CamlockCoupling, male NPT threaded Type B

Camlock hembra - rosca macho NPT Tipo B

Kupplung NPT Typ B

Adapteur Camlock femelle - filetage mâle NPT Type B



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 12  | 1/2"            | ZB012NPT              | 14,91  |
| 20  | 3/4"            | ZB020NPT              | 15,67  |
| 25  | 1"              | ZB025NPT              | 21,67  |
| 32  | 1" 1/4          | ZB032NPT              | 32,27  |
| 40  | 1" 1/2          | ZB040NPT              | 32,70  |
| 50  | 2"              | ZB050NPT              | 46,22  |
| 65  | 2" 1/2          | ZB065NPT              | 59,46  |
| 80  | 3"              | ZB080NPT              | 83,50  |
| 100 | 4"              | ZB100NPT              | 118,73 |

### Female Camlock Coupling, female NPT threaded Type D

Camlock hembra - rosca hembra NPT Tipo D

Kupplung NPT Typ D

Adapteur Camlock femelle NPT Type D



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 12  | 1/2"            | ZD012NPT              | 14,43  |
| 20  | 3/4"            | ZD020NPT              | 16,77  |
| 25  | 1"              | ZD025NPT              | 23,87  |
| 32  | 1" 1/4          | ZD032NPT              | 35,16  |
| 40  | 1" 1/2          | ZD040NPT              | 34,63  |
| 50  | 2"              | ZD050NPT              | 48,37  |
| 65  | 2" 1/2          | ZD065NPT              | 60,42  |
| 80  | 3"              | ZD080NPT              | 85,90  |
| 100 | 4"              | ZD100NPT              | 123,69 |

### Male Camlock coupling, male NPT threaded Type F

Camlock macho - rosca macho NPT Tipo F

Kupplung NPT Typ F

Adapteur Camlock mâle NPT Type F



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 12  | 1/2"            | ZF012NPT              | 7,68   |
| 20  | 3/4"            | ZF020NPT              | 9,45   |
| 25  | 1"              | ZF025NPT              | 13,27  |
| 32  | 1" 1/4          | ZF032NPT              | 17,83  |
| 40  | 1" 1/2          | ZF040NPT              | 27,59  |
| 50  | 2"              | ZF050NPT              | 32,08  |
| 65  | 2" 1/2          | ZF065NPT              | 50,43  |
| 80  | 3"              | ZF080NPT              | 64,26  |
| 100 | 4"              | ZF100NPT              | 104,77 |

## CAMLOCK NPT



### EN 14420-7 | DIN 2828

Ver ficha técnica | Check technical sheet

Para una amplia gama de aplicaciones como agua petróleo y productos químicos  
*For a wide range of applications such as water, petroleum and chemical liquids*

# DIN 2828 Camlock Fittings

Serie Camlock DIN 2828  
CAMLOCK AISI 316 - DIN 2828  
Raccords Camlock DIN 2828

## Autolock, female, BSP male threaded Type B

Autolock hembra - rosca macho BSP Tipo B

Autolock Sicherheit TYP B

Autolock femelle - filetage mâle BSP Type B



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 12  | 1/2"            | ZB012S                | 28,02  |
| 20  | 3/4"            | ZB020S                | 25,16  |
| 25  | 1"              | ZB025S                | 36,03  |
| 32  | 1 1/4"          | ZB032S                | 54,78  |
| 40  | 1 1/2"          | ZB040S                | 64,98  |
| 50  | 2"              | ZB050S                | 76,84  |
| 65  | 2 1/2"          | ZB065S                | 105,44 |
| 80  | 3"              | ZB080S                | 145,59 |
| 100 | 4"              | ZB100S                | 192,82 |

## Autolock, female, with serrated hose shank Type C

Autolock hembra - para manguera Tipo C

Autolock Sicherheit TYP C

Autolock femelle - pour tuyau Type C



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 12  | 1/2"            | ZC012S                | 29,45  |
| 20  | 3/4"            | ZC020S                | 28,59  |
| 25  | 1"              | ZC025S                | 40,08  |
| 32  | 1 1/4"          | ZC032S                | 57,41  |
| 40  | 1 1/2"          | ZC040S                | 67,28  |
| 50  | 2"              | ZC050S                | 84,23  |
| 65  | 2 1/2"          | ZC065S                | 120,73 |
| 80  | 3"              | ZC080S                | 161,14 |
| 100 | 4"              | ZC100S                | 227,01 |

## Autolock, female, BSP female threaded Type D

Autolock hembra - rosca hembra BSP Tipo D

Autolock Sicherheit TYP D

Autolock femelle - filetage femelle BSP Type D



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 12  | 1/2"            | ZD012S                | 25,16  |
| 20  | 3/4"            | ZD020S                | 25,16  |
| 25  | 1"              | ZD025S                | 37,72  |
| 32  | 1 1/4"          | ZD032S                | 55,70  |
| 40  | 1 1/2"          | ZD040S                | 65,76  |
| 50  | 2"              | ZD050S                | 80,35  |
| 65  | 2 1/2"          | ZD065S                | 104,64 |
| 80  | 3"              | ZD080S                | 144,14 |
| 100 | 4"              | ZD100S                | 200,71 |

## Autolock, female, DC type dust cap

Autolock hembra - tapón Tipo DC

Autolock Sicherheit TYP DC

Autolock femelle - bouchon Type DC



| DN  | Referencia<br>Part n° | €      |
|-----|-----------------------|--------|
| 12  | ZDC012S               | 24,73  |
| 20  | ZDC020S               | 24,99  |
| 25  | ZDC025S               | 32,79  |
| 32  | ZDC032S               | 52,28  |
| 40  | ZDC040S               | 56,73  |
| 50  | ZDC050S               | 72,55  |
| 65  | ZDC065S               | 91,38  |
| 80  | ZDC080S               | 119,51 |
| 100 | ZDC100S               | 160,45 |

# AUTOLOCK



Camlock con cierre de seguridad, múltiples aplicaciones como agua, petróleo y productos químicos

*Camlock with security lock, for multiple applications such as water, petroleum and chemical liquids*

Ver ficha técnica | Check technical sheet

# GUILLEMIN NF E-29572 Fittings

Acoples GUILLEMIN NF E-29572  
Kupplungen GUILLEMIN NF E-29572  
Raccords GUILLEMIN NF E-29572

## GUILLEMIN S.S. with closure-BSP Female thread

GUILLEMIN con cierre-rosca hembra BSP

GUILLEMIN Innengewinde BSP mit Verschluss

GUILLEMIN Inox avec fermeture-Filetage Femelle BSP



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 20  | 3/4"            | ZGU01C020             | 28,93  |
| 25  | 1"              | ZGU01C025             | 41,95  |
| 32  | 1" 1/4          | ZGU01C032             | 47,01  |
| 40  | 1" 1/2          | ZGU01C040             | 75,95  |
| 50  | 2"              | ZGU01C050             | 82,47  |
| 65  | 2" 1/2          | ZGU01C065             | 107,08 |
| 80  | 3"              | ZGU01C080             | 156,59 |
| 100 | 4"              | ZGU01C100             | 264,00 |

## GUILLEMIN S.S. with closure-BSP Male thread

GUILLEMIN con cierre-rosca macho BSP

GUILLEMIN Außengewinde BSP mit Verschluss

GUILLEMIN Inox avec fermeture-Filetage Mâle BSP



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 20  | 3/4"            | ZGU02C020             | 22,50  |
| 25  | 1"              | ZGU02C025             | 25,32  |
| 32  | 1" 1/4          | ZGU02C032             | 32,55  |
| 40  | 1" 1/2          | ZGU02C040             | 47,01  |
| 50  | 2"              | ZGU02C050             | 78,42  |
| 65  | 2" 1/2          | ZGU02C065             | 104,88 |
| 80  | 3"              | ZGU02C080             | 165,26 |
| 100 | 4"              | ZGU02C100             | 191,67 |

## GUILLEMIN S.S. with closure-Plug

GUILLEMIN con cierre-tapón

GUILLEMIN Verschlussstopfen mit Verschluss

GUILLEMIN Inox avec fermeture-Bouchon



| DN  | Referencia<br>Part n° | €      |
|-----|-----------------------|--------|
| 20  | ZGU04C020             | 21,70  |
| 25  | ZGU04C025             | 23,18  |
| 32  | ZGU04C032             | 32,55  |
| 40  | ZGU04C040             | 43,49  |
| 50  | ZGU04C050             | 54,25  |
| 65  | ZGU04C065             | 72,33  |
| 80  | ZGU04C080             | 107,11 |
| 100 | ZGU04C100             | 180,82 |

## GUILLEMIN S.S. without closure-BSP Female thread

GUILLEMIN sin cierre-rosca hembra BSP

GUILLEMIN Innengewinde BSP ohne Verschluss

GUILLEMIN Inox sans fermeture-Filetage Femelle BSP



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 20  | 3/4"            | ZGU01S020             | 18,74  |
| 25  | 1"              | ZGU01S025             | 19,94  |
| 32  | 1" 1/4          | ZGU01S032             | 25,32  |
| 40  | 1" 1/2          | ZGU01S040             | 36,16  |
| 50  | 2"              | ZGU01S050             | 39,78  |
| 65  | 2" 1/2          | ZGU01S065             | 54,25  |
| 80  | 3"              | ZGU01S080             | 90,41  |
| 100 | 4"              | ZGU01S100             | 104,88 |

## GUILLEMIN S.S. without closure-BSP Male thread

GUILLEMIN sin cierre-rosca macho BSP

GUILLEMIN Außengewinde BSP ohne Verschluss

GUILLEMIN Inox sans fermeture-Filetage Mâle BSP



| DN  | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----|-----------------|-----------------------|--------|
| 20  | 3/4"            | ZGU02S020             | 18,08  |
| 25  | 1"              | ZGU02S025             | 21,70  |
| 32  | 1" 1/4          | ZGU02S032             | 27,85  |
| 40  | 1" 1/2          | ZGU02S040             | 27,85  |
| 50  | 2"              | ZGU02S050             | 47,01  |
| 65  | 2" 1/2          | ZGU02S065             | 57,86  |
| 80  | 3"              | ZGU02S080             | 113,73 |
| 100 | 4"              | ZGU02S100             | 119,34 |

## GUILLEMIN S.S. with closure-Reducer

GUILLEMIN con cierre-reductor

GUILLEMIN Reduzierstück mit Verschluss

GUILLEMIN Inox avec fermeture-Réduction



| DN     | Referencia<br>Part n° | €      |
|--------|-----------------------|--------|
| 40-32  | ZGU03C040032          | 144,66 |
| 50-32  | ZGU03C050032          | 134,75 |
| 50-40  | ZGU03C050040          | 151,53 |
| 65-50  | ZGU03C065050          | 184,44 |
| 80-65  | ZGU03C080065          | 278,47 |
| 100-80 | ZGU03C100080          | 361,65 |

## GUILLEMIN NF E-29572 Fittings

Acoples GUILLEMIN NF E-29572  
Kupplungen GUILLEMIN NF E-29572  
Raccords GUILLEMIN NF E-29572

### GUILLEMIN S.S. with closure-For hose

GUILLEMIN con cierre-para manguera

GUILLEMIN Für Schlauch mit Verschluss

GUILLEMIN Inox avec fermeture-Pour tuyau



| DN | L (mm) | TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|----|--------|----------------|-----------------------|--------|
| 40 | 37     | 40             | ZGU05C040040          | 40,48  |
| 45 | 37     | 40             | ZGU05C040045          | 47,01  |
| 50 | 48     | 50             | ZGU05C050050          | 83,18  |
| 50 | 45,5   | 50             | ZGU05C050055          | 83,18  |
| 65 | 50     | 65             | ZGU05C065065          | 112,11 |
| 80 | 70     | 80             | ZGU05C080080          | 196,04 |

### GUILLEMIN S.S. with closure-Welding

GUILLEMIN con cierre-soldable

GUILLEMIN Schweißarmaturen mit Verschluss

GUILLEMIN Inox avec fermeture-À souder



| DN | Referencia<br>Part n° | €      |
|----|-----------------------|--------|
| 40 | ZGU06C040040          | 47,01  |
| 50 | ZGU06C050050          | 77,03  |
| 65 | ZGU06C065065          | 104,88 |
| 80 | ZGU06C080080          | 159,12 |

# GUILLEMIN



### EN 14420-8 | NF E-29572

Ver ficha técnica | Check technical sheet

Aplicaciones de presión y aspiración en un amplio rango de industrias

*Pressure and suction purposes in a wide range of industries*

## TW (Tankwagen) DIN 28450 Fittings

Acoples TW (Tankwagen) DIN 28450  
Kupplungen TW (Tankwagen) DIN 28450  
Raccords TW (Tankwagen) DIN 28450

### TW BSP Female thread - female coupling

TW rosca hembra BSP - acople hembra

TW Innengewinde BSP - Innengewinde Kupplung

TW Filetage Femelle BSP - accouplement Femelle



| DN | Referencia<br>Part n° | €      |
|----|-----------------------|--------|
| 2" | ZMK05032              | 80,59  |
| 3" | ZMK08048              | 146,13 |
| 4" | ZMK10064              | 296,22 |

### TW BSP Female thread - male coupling

TW rosca hembra BSP - acople macho

TW Innengewinde BSP - Außengewinde Kupplung

TW Filetage Femelle BSP - accouplement Mâle



| DN | Ø    | Referencia<br>Part n° | €      |
|----|------|-----------------------|--------|
| 2" | 70.5 | ZVK05032              | 34,72  |
| 3" | 102  | ZVK08048              | 76,37  |
| 4" | 128  | ZVK10064              | 107,26 |

### TW cap coupling

TW tapón - acople hembra

TW Verschlusskupplung w

TW Bouchon - accouplement Femelle



| DN | Referencia<br>Part n° | €      |
|----|-----------------------|--------|
| 2" | ZMB050                | 34,44  |
| 3" | ZMB080                | 69,07  |
| 4" | ZMB100                | 112,95 |

### TW Plug - male coupling

TW tapón - acople macho

TW Verschlusskupplung m

TW Bouchon - accouplement Mâle



| DN | Ø    | Referencia<br>Part n° | €     |
|----|------|-----------------------|-------|
| 2" | 70.5 | ZVB050                | 31,20 |
| 3" | 102  | ZVB080                | 53,47 |
| 4" | 128  | ZVB100                | 88,35 |

### TW Female coupling

TW acople hembra

TW Schweißarmaturen - Innengewinde-Kupplung

TW Accouplement Femelle



| DN | Referencia<br>Part n° | €      |
|----|-----------------------|--------|
| 2" | ZMK050050             | 105,91 |
| 3" | ZMK080080             | 207,37 |

### TW Male coupling

TW acople macho

TW-Kupplung m

TW Accouplement Mâle



| DN | Referencia<br>Part n° | €      |
|----|-----------------------|--------|
| 2" | ZVK050050             | 62,78  |
| 3" | ZVK080080             | 147,12 |

Stainless Steel accessories for industrial fitting

Accesorios inox para racor industrial  
Edelstahl-Zubehör für Industriekupplungen  
Accessoires acier inox pour raccord industriel

Stainless Steel 304 Crimping Ferrule 45° closure

Campana inox 304 para racor industrial - cierre 45°

Edelstahl-Hülse 45°Verschluss 304

Jupe pour raccord industriel acier inox 304  
-fermeture 45°



| DN  | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €     |
|-----|-------------------|-----------------------|-------|
| 25  | 42.5              | ZCA025                | 7,25  |
| 32  | 47                | ZCA032                | 9,96  |
| 40  | 55                | ZCA040                | 10,72 |
| 50  | 64                | ZCA050                | 16,48 |
| 65  | 79                | ZCA065                | 34,07 |
| 80  | 98                | ZCA080                | 43,79 |
| 100 | 120               | ZCA100                | 77,12 |

Stainless Steel clamp for industrial fitting EN14420-3

Abrazadera EN 14420-3 inox para racor industrial

Edelstahl-Schelle EN14420-3 für  
Industriekupplungen

Collier pour raccord industriel acier inox EN 14420-3



| Ø MANGUERA<br>Ø HOSE | Ø INT.<br>Ø INNER | Referencia<br>Part n° | €      |
|----------------------|-------------------|-----------------------|--------|
| 12                   | 21-25             | ZAB01021025           | 22,20  |
| 19                   | 29-33             | ZAB01029033           | 28,19  |
| 25                   | 36-39             | ZAB01035039           | 31,91  |
| 32                   | 42-46             | ZAB01042046           | 32,78  |
| 38                   | 47-51             | ZAB01047051           | 36,67  |
| 38                   | 49-53             | ZAB01049053           | 36,67  |
| 38                   | 52-56             | ZAB01052056           | 34,94  |
| 38                   | 58-62             | ZAB01058062           | 29,58  |
| 50                   | 60-64             | ZAB01060064           | 55,16  |
| 50                   | 63-67             | ZAB01063067           | 60,67  |
| 50                   | 68-72             | ZAB01068072           | 65,52  |
| 63                   | 74-77             | ZAB01074077           | 66,58  |
| 63                   | 77-81             | ZAB01077081           | 82,40  |
| 75                   | 87-90             | ZAB01087090           | 93,40  |
| 75                   | 89-94             | ZAB01089094           | 104,27 |
| 80                   | 94-98             | ZAB01094098           | 85,35  |
| 100                  | 114-119           | ZAB01114119           | 209,27 |

Stainless steel high pressure clamp W4

Abrazadera alta presión W4 inox

Edelstahl-Hochdruck-Schelle W4 Stahl

Collier haute pression W4 acier inox.



| Ø INT.<br>Ø INNER | Referencia<br>Part n° | €     |
|-------------------|-----------------------|-------|
| 17-19             | ZAB02017019           | 2,81  |
| 20-22             | ZAB02020022           | 2,94  |
| 23-25             | ZAB02023025           | 3,04  |
| 26-28             | ZAB02026028           | 3,07  |
| 29-31             | ZAB02029031           | 3,42  |
| 32-35             | ZAB02032035           | 3,48  |
| 36-39             | ZAB02036039           | 3,64  |
| 40-43             | ZAB02040043           | 3,67  |
| 44-47             | ZAB02044047           | 4,06  |
| 48-51             | ZAB02048051           | 4,06  |
| 52-55             | ZAB02052055           | 4,16  |
| 56-59             | ZAB02056059           | 4,30  |
| 60-63             | ZAB02060063           | 4,40  |
| 64-67             | ZAB02064067           | 4,63  |
| 68-73             | ZAB02068073           | 6,11  |
| 74-79             | ZAB02074079           | 6,39  |
| 80-85             | ZAB02080085           | 6,48  |
| 86-91             | ZAB02086091           | 6,72  |
| 92-97             | ZAB02092097           | 6,80  |
| 98-103            | ZAB02098103           | 6,97  |
| 104-112           | ZAB02104112           | 7,77  |
| 113-121           | ZAB02113121           | 7,46  |
| 122-130           | ZAB02122130           | 12,91 |
| 131-139           | ZAB02131139           | 13,98 |
| 140-148           | ZAB02140148           | 13,57 |
| 149-161           | ZAB02149161           | 14,50 |
| 162-174           | ZAB02162174           | 17,64 |
| 175-187           | ZAB02175187           | 14,92 |
| 188-200           | ZAB02188200           | 16,02 |



## Screw low pressure fittings 150 LBS

Racores baja presión 150 LBS  
Niederdruck-Armaturen 150 lbs  
Raccords basse pression 150 LBS

### Nipple fixed male fig.399

Macho fijo espiga FIG.399

Außengewinde Dichtkopf FIG.399 fest

Mâle fixe nipple fig. 399 inox



| ROSCA<br>THREAD | DN | Referencia<br>Part n° | €     |
|-----------------|----|-----------------------|-------|
| 1/4"            | 10 | ZFIG39904             | 2,48  |
| 3/8"            | 12 | ZFIG39906             | 3,06  |
| 1/2"            | 15 | ZFIG39908             | 4,33  |
| 3/4"            | 20 | ZFIG39912             | 6,65  |
| 1"              | 25 | ZFIG39916             | 9,53  |
| 1" 1/4          | 32 | ZFIG39920             | 14,59 |
| 1" 1/2          | 40 | ZFIG39924             | 19,07 |
| 2"              | 52 | ZFIG39932             | 26,33 |

### Union male-male fig.150

Unión macho-macho FIG.150

Gerade Verschraubung Fig. 150

Union mâle-mâle fig.150 inox



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG15004             | 2,14  |
| 3/8"            | ZFIG15006             | 2,46  |
| 1/2"            | ZFIG15008             | 3,83  |
| 3/4"            | ZFIG15012             | 4,73  |
| 1"              | ZFIG15016             | 6,88  |
| 1" 1/4          | ZFIG15020             | 10,41 |
| 1" 1/2          | ZFIG15024             | 12,64 |
| 2"              | ZFIG15032             | 21,16 |

### Hexagon male plug FIG.290

Tapón macho hexagonal FIG.290

6 kt Stopfen Fig. 290

Bouchon mâle 150 LBS tête hexagonale FIG.290



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8"            | ZFIG29002             | 1,69  |
| 1/4"            | ZFIG29004             | 1,63  |
| 3/8"            | ZFIG29006             | 1,94  |
| 1/2"            | ZFIG29008             | 2,49  |
| 3/4"            | ZFIG29012             | 3,60  |
| 1"              | ZFIG29016             | 5,33  |
| 1" 1/4          | ZFIG29020             | 8,96  |
| 1" 1/2          | ZFIG29024             | 10,83 |
| 2"              | ZFIG29032             | 18,33 |
| 2" 1/2          | ZFIG29040             | 24,51 |
| 3"              | ZFIG29048             | 35,05 |
| 4"              | ZFIG29060             | 67,68 |

### Hexagon nipple FIG.280

Adaptador hexagonal FIG.280

6 kt Doppelnippel fig. 280

Mamelon hexagonal 150 LBS FIG.280



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG28004             | 1,93  |
| 3/8"            | ZFIG28006             | 2,32  |
| 1/2"            | ZFIG28008             | 3,25  |
| 3/4"            | ZFIG28012             | 4,91  |
| 1"              | ZFIG28016             | 7,00  |
| 1" 1/4          | ZFIG28020             | 11,23 |
| 1" 1/2          | ZFIG28024             | 13,87 |
| 2"              | ZFIG28032             | 19,42 |
| 2" 1/2          | ZFIG28040             | 34,38 |
| 3"              | ZFIG28048             | 39,95 |
| 4"              | ZFIG28060             | 69,20 |

### Reducer male-male fig. 245

Reducción macho-macho FIG.245

Reduziernippel FIG.245

Réduction mâle-mâle fig. 245 inox



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG2450402           | 1,82  |
| 3/8"            | ZFIG2450604           | 2,41  |
| 1/2"            | ZFIG2450804           | 3,38  |
| 1/2"            | ZFIG2450806           | 3,34  |
| 3/4"            | ZFIG2451206           | 4,41  |
| 3/4"            | ZFIG2451208           | 5,00  |
| 1"              | ZFIG2451608           | 6,75  |
| 1"              | ZFIG2451612           | 7,17  |
| 1" 1/4          | ZFIG2452012           | 9,32  |
| 1" 1/4          | ZFIG2452016           | 10,80 |
| 1" 1/2          | ZFIG2452416           | 12,38 |
| 1" 1/2          | ZFIG2452420           | 13,13 |
| 2"              | ZFIG2453220           | 18,45 |
| 2"              | ZFIG2453224           | 20,07 |
| 2" 1/2          | ZFIG2454032           | 33,95 |
| 3"              | ZFIG2454840           | 49,98 |

### Flat nut fig.312

Tuerca plana FIG.312

Flachmutter FIG. 312

Écrou plat fig.312 inox



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG31204             | 1,50  |
| 3/8"            | ZFIG31206             | 1,74  |
| 1/2"            | ZFIG31208             | 2,42  |
| 3/4"            | ZFIG31212             | 3,12  |
| 1"              | ZFIG31216             | 3,51  |
| 1" 1/4          | ZFIG31220             | 5,57  |
| 1" 1/2          | ZFIG31224             | 8,59  |
| 2"              | ZFIG31232             | 10,87 |

# Screw low pressure fittings 150 LBS

Racores baja presión 150 LBS  
Niederdruck-Armaturen 150 lbs  
Raccords basse pression 150 LBS

## Hexagon female cap. FIG.300

Tapón hembra hexagonal FIG.300

6 kt Verschluss m. rd. fig. 300

Bouchon femelle hexagonal 150 LBS FIG.300



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8"            | ZFIG30002             | 1,65  |
| 1/4"            | ZFIG30004             | 1,77  |
| 3/8"            | ZFIG30006             | 2,38  |
| 1/2"            | ZFIG30008             | 3,25  |
| 3/4"            | ZFIG30012             | 5,00  |
| 1"              | ZFIG30016             | 7,41  |
| 1"1/4           | ZFIG30020             | 10,45 |
| 1"1/2           | ZFIG30024             | 13,55 |
| 2"              | ZFIG30032             | 20,33 |
| 2"1/2           | ZFIG30040             | 30,31 |
| 3"              | ZFIG30048             | 38,90 |
| 4"              | ZFIG30060             | 63,92 |

## BSP Female coupling DIN 2986 FIG.270

Adaptador hembra BSP DIN 2986 FIG.270

Muffen DIN 2986 Fig. 270

Manchon femelle gaz DIN 2986 150 LBS FIG.270



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG27004             | 2,63  |
| 3/8"            | ZFIG27006             | 2,85  |
| 1/2"            | ZFIG27008             | 4,54  |
| 3/4"            | ZFIG27012             | 4,90  |
| 1"              | ZFIG27016             | 9,55  |
| 1"1/4           | ZFIG27020             | 13,06 |
| 1"1/2           | ZFIG27024             | 14,46 |
| 2"              | ZFIG27032             | 21,43 |
| 2"1/2           | ZFIG27040             | 35,68 |
| 3"              | ZFIG27048             | 44,77 |
| 4"              | ZFIG27060             | 80,05 |

## Male square plug FIG.291

Tapón macho cuadrado FIG.291

4 kt Stopfen Fig.291

Bouchon mâle 150 LBS tête carrée FIG.291



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8"            | ZFIG29102             | 1,85  |
| 1/4"            | ZFIG29104             | 1,91  |
| 3/8"            | ZFIG29106             | 1,96  |
| 1/2"            | ZFIG29108             | 2,47  |
| 3/4"            | ZFIG29112             | 3,59  |
| 1"              | ZFIG29116             | 4,89  |
| 1"1/4           | ZFIG29120             | 7,91  |
| 1"1/2           | ZFIG29124             | 9,42  |
| 2"              | ZFIG29132             | 18,37 |
| 2"1/2           | ZFIG29140             | 22,74 |
| 3"              | ZFIG29148             | 31,65 |
| 4"              | ZFIG29160             | 54,53 |

## Round female cap. FIG.301

Tapón hembra redondo FIG.301

Verschluss Fig.301

Bouchon femelle ronde 150 LBS FIG.301



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8"            | ZFIG30102             | 2,03  |
| 1/4"            | ZFIG30104             | 1,76  |
| 3/8"            | ZFIG30106             | 1,98  |
| 3/4"            | ZFIG30112             | 4,09  |
| 1"              | ZFIG30116             | 6,64  |
| 1"1/4           | ZFIG30120             | 9,53  |
| 1"1/2           | ZFIG30124             | 11,73 |
| 2"              | ZFIG30132             | 16,88 |
| 2"1/2           | ZFIG30140             | 27,76 |
| 3"              | ZFIG30148             | 40,87 |
| 4"              | ZFIG30160             | 76,05 |

Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu'à la fin du stock

## Male-female reducer FIG.241

Reductor macho-hembra FIG.241

Reduzierstück m-w Fig. 241

Réduction 150 LBS MG - FG FIG.241



| ROSCA<br>THREAD | R2     | Referencia<br>Part n° | €     |
|-----------------|--------|-----------------------|-------|
| 1/8"            | 1/4"   | ZFIG2410204           | 1,87  |
| 1/4"            | 3/8"   | ZFIG2410406           | 2,09  |
| 1/4"            | 1/2"   | ZFIG2410408           | 2,90  |
| 3/8"            | 1/2"   | ZFIG2410608           | 2,81  |
| 1/2"            | 3/4"   | ZFIG2410812           | 3,85  |
| 3/4"            | 1"     | ZFIG2411216           | 6,26  |
| 3/4"            | 1"1/4  | NEW ZFIG2411220       | 9,86  |
| 1"              | 1"1/4  | ZFIG2411620           | 9,60  |
| 1"              | 1" 1/2 | ZFIG2411624           | 15,64 |
| 1"1/4           | 1"1/2  | ZFIG2412024           | 9,77  |
| 1"1/2           | 2"     | ZFIG2412432           | 17,58 |
| 2"              | 2"1/2  | ZFIG2413240           | 33,46 |
| 2"1/2           | 3"     | ZFIG2414048           | 38,42 |
| 3"              | 4"     | ZFIG2414860           | 74,40 |

## Threaded pipe fig. 531

Tubo roscado FIG.531

Drehstutzen FIG. 531

Tube fileté fig. 531 inox



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG53104             | 2,18  |
| 3/8"            | ZFIG53106             | 3,14  |
| 1/2"            | ZFIG53108             | 3,17  |
| 3/4"            | ZFIG53112             | 3,78  |
| 1"              | ZFIG53116             | 5,45  |
| 1" 1/4          | ZFIG53120             | 7,63  |
| 1" 1/2          | ZFIG53124             | 8,80  |
| 2"              | ZFIG53132             | 12,91 |

## Screw low pressure fittings 150 LBS

Racores baja presión 150 LBS  
Niederdruck-Armaturen 150 lbs  
Raccords basse pression 150 LBS

### Female-female Reducer socket FIG.240

Reducción hembra-hembra FIG.240

Weiblich-weiblich Reduktion Muffen Fig.240

Réduction Femelle-femelle 150 LBS FIG.240



| ROSCA<br>THREAD | R2     | Referencia<br>Part n° | €     |
|-----------------|--------|-----------------------|-------|
| 1/4"            | 1/8"   | ZFIG2400402           | 2,42  |
| 3/8"            | 1/4"   | ZFIG2400604           | 2,27  |
| 1/2"            | 3/8"   | ZFIG2400806           | 3,26  |
| 3/4"            | 1/2"   | ZFIG2401208           | 4,53  |
| 1"              | 3/4"   | ZFIG2401612           | 8,54  |
| 1 1/4"          | 1"     | ZFIG2402016           | 10,85 |
| 1 1/2"          | 1 1/4" | ZFIG2402420           | 15,20 |
| 2"              | 1 1/2" | ZFIG2403224           | 19,11 |
| 2 1/2"          | 2"     | ZFIG2404032           | 31,82 |
| 3"              | 2"     | ZFIG2404832           | 48,62 |
| 3"              | 2 1/2" | ZFIG2404840           | 55,48 |
| 4"              | 2"     | ZFIG2406032           | 78,19 |

### Female-female elbow 90° FIG.090

Codo 90° hembra-hembra FIG.090

90° Winkel 150 lbs FIF. 090

Coude 90° 150 LBS femelle gaz FIG.090



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/8"            | ZFIG090002            | 2,14   |
| 1/4"            | ZFIG090004            | 2,54   |
| 3/8"            | ZFIG090006            | 3,32   |
| 1/2"            | ZFIG090008            | 4,63   |
| 3/4"            | ZFIG090012            | 7,10   |
| 1"              | ZFIG090016            | 10,32  |
| 1 1/4"          | ZFIG090020            | 15,63  |
| 1 1/2"          | ZFIG090024            | 17,19  |
| 2"              | ZFIG090032            | 26,81  |
| 2 1/2"          | ZFIG090040            | 61,21  |
| 3"              | ZFIG090048            | 89,42  |
| 4"              | ZFIG090060            | 157,06 |

### Female-female elbow 45° FIG.120

Codo 45° hembra-hembra FIG.120

45° Winkel 150 lbs fig.120

Coude 45° 150 LBS FG - FG FIG.120



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/8"            | ZFIG120002            | 2,58   |
| 1/4"            | ZFIG120004            | 2,48   |
| 3/8"            | ZFIG120006            | 3,12   |
| 1/2"            | ZFIG120008            | 4,24   |
| 3/4"            | ZFIG120012            | 6,75   |
| 1"              | ZFIG120016            | 9,68   |
| 1 1/4"          | ZFIG120020            | 16,94  |
| 1 1/2"          | ZFIG120024            | 19,84  |
| 2"              | ZFIG120032            | 32,08  |
| 2 1/2"          | ZFIG120040            | 67,84  |
| 3"              | ZFIG120048            | 91,21  |
| 4"              | ZFIG120060            | 151,73 |

### Male-female elbow 90° FIG.092

Codo 90° macho-hembra FIG.092

90° Bogen M - FIG. 092

Coude 90° 150 LBS MG - FG FIG.092



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/8"            | ZFIG092002            | 2,55   |
| 1/4"            | ZFIG092004            | 2,89   |
| 3/8"            | ZFIG092006            | 3,49   |
| 1/2"            | ZFIG092008            | 5,15   |
| 3/4"            | ZFIG092012            | 6,78   |
| 1"              | ZFIG092016            | 11,44  |
| 1 1/4"          | ZFIG092020            | 15,52  |
| 1 1/2"          | ZFIG092024            | 19,25  |
| 2"              | ZFIG092032            | 31,27  |
| 2 1/2"          | ZFIG092040            | 63,85  |
| 3"              | ZFIG092048            | 97,59  |
| 4"              | ZFIG092060            | 186,44 |

### Female-female TEE FIG.130

TE hembra-hembra-hembra FIG.130

Weiblich-weiblich T-Stück 150 lbs FIG. 130

TÉS 150 LBS FG - FG - FG FIG.130



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/8"            | ZFIG130002            | 2,78   |
| 1/4"            | ZFIG130004            | 3,46   |
| 3/8"            | ZFIG130006            | 4,36   |
| 1/2"            | ZFIG130008            | 6,35   |
| 3/4"            | ZFIG130012            | 8,94   |
| 1"              | ZFIG130016            | 12,47  |
| 1 1/4"          | ZFIG130020            | 17,40  |
| 1 1/2"          | ZFIG130024            | 22,80  |
| 2"              | ZFIG130032            | 38,23  |
| 2 1/2"          | ZFIG130040            | 78,57  |
| 3"              | ZFIG130048            | 112,31 |
| 4"              | ZFIG130060            | 212,49 |

### Threaded cross FIG.180

Cruz roscada FIG.180

Gewinde-Kreuzstück FIG. 180

Croix égale 150 LBS FG FIG.180



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/8"            | ZFIG180002            | 3,82   |
| 1/4"            | ZFIG180004            | 5,48   |
| 3/8"            | ZFIG180006            | 5,87   |
| 1/2"            | ZFIG180008            | 9,53   |
| 3/4"            | ZFIG180012            | 14,33  |
| 1"              | ZFIG180016            | 19,34  |
| 1 1/4"          | ZFIG180020            | 29,79  |
| 1 1/2"          | ZFIG180024            | 37,41  |
| 2"              | ZFIG180032            | 53,58  |
| 2 1/2"          | ZFIG180040            | 100,38 |
| 3"              | ZFIG180048            | 214,89 |
| 4"              | ZFIG180060            | 252,93 |

Screw low pressure fittings 150 LBS

Racores baja presión 150 LBS  
Niederdruck-Armaturen 150 lbs  
Raccords basse pression 150 LBS

Female-female FIG.340

Unión 3 piezas hembra-hembra FIG.340

3-teilige Verschraubung kon i/i 150 lbs FIG. 340

Union 3 pièces 150 LBS FG - FG FIG.340



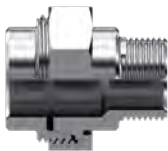
| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/8"            | ZFIG34002             | 6,66   |
| 1/4"            | ZFIG34004             | 7,11   |
| 3/8"            | ZFIG34006             | 8,69   |
| 1/2"            | ZFIG34008             | 10,76  |
| 3/4"            | ZFIG34012             | 13,00  |
| 1"              | ZFIG34016             | 20,42  |
| 1"1/4           | ZFIG34020             | 28,62  |
| 1"1/2           | ZFIG34024             | 35,71  |
| 2"              | ZFIG34032             | 51,67  |
| 2"1/2           | ZFIG34040             | 77,87  |
| 3"              | ZFIG34048             | 116,23 |
| 4"              | ZFIG34060             | 191,58 |

Male-female union FIG.341

Unión 3 piezas macho-hembra FIG.341

3-teilige Verschraubung m - w Fig. 341

Union 3 pièces 150 LBS MG - FG FIG.341



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/4"            | ZFIG34104             | 7,68   |
| 3/8"            | ZFIG34106             | 8,96   |
| 1/2"            | ZFIG34108             | 11,59  |
| 3/4"            | ZFIG34112             | 15,10  |
| 1"              | ZFIG34116             | 23,08  |
| 1"1/4           | ZFIG34120             | 31,09  |
| 1"1/2           | ZFIG34124             | 36,68  |
| 2"              | ZFIG34132             | 58,04  |
| 2"1/2           | ZFIG34140             | 105,32 |
| 3"              | ZFIG34148             | 128,12 |
| 4"              | ZFIG34160             | 351,55 |

Welding male fig.149

Macho soldar FIG.149

Schweiß-Außengewinde FIG.149

Mâle à souder fig.149 inox



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG14904             | 1,69  |
| 3/8"            | ZFIG14906             | 1,91  |
| 1/2"            | ZFIG14908             | 2,64  |
| 3/4"            | ZFIG14912             | 3,39  |
| 1"              | ZFIG14916             | 4,90  |
| 1" 1/4          | ZFIG14920             | 6,99  |
| 1" 1/2          | ZFIG14924             | 8,03  |
| 2"              | ZFIG14932             | 11,44 |

Union 3 fem. welding pieces fig.340hs micro-casting

Unión 3 piezas hembra-soldar FIG.340HS  
microfundido

3-teilige Schweißverschr. w FIG. 340S Mikroguss

Union 3 pcs fem. à souder fig.340hs acier moulé



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG34004HS           | 6,30  |
| 3/8"            | ZFIG34006HS           | 10,46 |
| 1/2"            | ZFIG34008HS           | 10,09 |
| 3/4"            | ZFIG34012HS           | 13,18 |
| 1"              | ZFIG34016HS           | 20,12 |
| 1" 1/4          | ZFIG34020HS           | 27,75 |
| 1" 1/2          | ZFIG34024HS           | 32,47 |
| 2"              | ZFIG34032HS           | 51,77 |

Union 3 welding pieces fig. 340s micro-casting

Unión 3 piezas soldar FIG.340S microfundido

3-teilige Schweißverschr. FIG. 340s Mikroguss

Union 3 pièces à souder fig. 340s acier moulé



| DN     | Referencia<br>Part n° | €     |
|--------|-----------------------|-------|
| 1/4"   | ZFIG34004S            | 7,68  |
| 3/8"   | ZFIG34006S            | 8,92  |
| 1/2"   | ZFIG34008S            | 9,86  |
| 3/4"   | ZFIG34012S            | 13,09 |
| 1"     | ZFIG34016S            | 20,15 |
| 1" 1/4 | ZFIG34020S            | 27,32 |
| 1" 1/2 | ZFIG34024S            | 31,41 |
| 2"     | ZFIG34032S            | 50,09 |

Union 3 welding male pieces fig.341ms micro-casting

Unión 3 piezas macho-soldar FIG.341MS  
microfundido

3-teilige Schweißverschr. m FIG. 340ms Mikroguss

Union 3 pcs mâle à souder fig.341ms acier moulé



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/4"            | ZFIG34104MS           | 7,41  |
| 3/8"            | ZFIG34106MS           | 8,75  |
| 1/2"            | ZFIG34108MS           | 11,88 |
| 3/4"            | ZFIG34112MS           | 14,99 |
| 1"              | ZFIG34116MS           | 23,33 |
| 1" 1/4          | ZFIG34120MS           | 30,43 |
| 1" 1/2          | ZFIG34124MS           | 36,97 |
| 2"              | ZFIG34132MS           | 56,61 |

## Screw low pressure fittings 150 LBS

Racores baja presión 150 LBS  
Niederdruck-Armaturen 150 lbs  
Raccords basse pression 150 LBS

### Ball-valve low pressure full bore 3 pcs

Válvula esfera paso total baja presión 3 piezas

Niederdruck-KH Voller Durchgang - 3 Teile

Robinet basse pression 2 voies boisseau sphérique  
passage total 3 pcs



| ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-----------------|-----------------------|--------|
| 1/4" BSP        | BP2V3P14INOX          | 28,94  |
| 3/8" BSP        | BP2V3P38INOX          | 29,04  |
| 1/2" BSP        | BP2V3P12INOX          | 34,59  |
| 3/4" BSP        | BP2V3P34INOX          | 38,72  |
| 1" BSP          | BP2V3P11INOX          | 54,69  |
| 1" 1/4 BSP      | BP2V3P114INOX         | 97,97  |
| 1" 1/2 BSP      | BP2V3P112INOX         | 125,40 |
| 2" BSP          | BP2V3P21INOX          | 168,97 |

### Ball-valve low pressure full bore 64 Bar

Válvula esfera paso total baja presión 64 Bar

Niederdruck-KH Voller Durchgang - 64 bar

Robinet basse pression 2 voies boisseau sphérique  
passage total 64 Bar



| ROSCA<br>THREAD | DN | Referencia<br>Part n° | €      |
|-----------------|----|-----------------------|--------|
| 1/4" BSP        | 8  | BP2V14INOX            | 18,08  |
| 3/8" BSP        | 10 | BP2V38INOX            | 16,63  |
| 1/2" BSP        | 15 | BP2V12INOX            | 19,55  |
| 3/4" BSP        | 20 | BP2V34INOX            | 25,88  |
| 1" BSP          | 25 | BP2V11INOX            | 37,78  |
| 1" 1/4 BSP      | 32 | BP2V114INOX           | 59,56  |
| 1" 1/2 BSP      | 40 | BP2V112INOX           | 85,72  |
| 2" BSP          | 50 | BP2V21INOX            | 120,67 |
| 2" 1/2 BSP      | 65 | BP2V212INOX           | 262,15 |
| 3" BSP          | 80 | BP2V31INOX            | 343,63 |

## **Quick couplings AISI 316** | 239

Enchufes rápidos AISI 316

SVK AISI 316

Coupleurs rapides AISI 316

## **Ball valves AISI 316** | 242

Llaves de paso AISI 316

Kugelhähne AISI 316

Robinets AISI 316

## **Swivel fittings AISI 316 TrΔle®** | 245

Racores giratorios AISI 316 TrΔle®

Edelstahl-Drehverschraubungen AISI 316 TrΔle®

Raccords tournants AISI 316 TrΔle®





# 07



## | ACCESSORIES

Accesorios

Zubehör

Accessoires

Quick couplings AISI 316

Enchufes rápidos AISI 316  
SVK AISI 316  
Coupleurs rapides AISI 316

Quick couplings ▪ Enchufes rápidos ▪ SVK ▪ Quick release couplings | 239



Quick couplings TrΔle® ▪ Enchufes rápidos TrΔle® ▪ SVK TrΔle® ▪ Coupleurs rapides TrΔle® | 241



## Ball valves AISI 316

Llaves de paso AISI 316

Kugelhähne AISI 316

Robinets AISI 316

Ball valves ▪ Llaves de paso ▪ Kugelhähne ▪ Robinets

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MKH G

MKH\_L

MKH\_S

MKH G\_DN

MKH\_L\_DN

MKH\_S\_DN

MK3A-G

2 ways TrΔle® ball valve ▪ Llave 2 vías TrΔle® ▪ 2-Wege-KH TrΔle® ▪ Robinet 2 voies TrΔle®

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ZGB2V

ZGB2V NPT

ZGB2V L

ZGB2V S

3 ways TrΔle® ball valve ▪ Llave 3 vías TrΔle® ▪ 3-Wege-KH TrΔle® ▪ Robinet 3 voies TrΔle®

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ZGB3VH

Handles ▪ Manetas ▪ Handgriff ▪ Leviers

244



Z60013

Swivel fittings AISI 316 TrΔle®

Racores giratorios AISI 316 TrΔle®  
Edelstahl-Drehverschraubungen AISI 316 TrΔle®  
Raccords tournants AISI 316 TrΔle®

Swivel fittings TrΔle® ▪ Racores giratorios TrΔle® ▪ Drehverschraubungen TrΔle® ▪ Raccords tournants TrΔle®



Z GGL                      Z GG90

# Quick couplings AISI 316

Enchufes rápidos AISI 316

SVK AISI 316

Coupleurs rapides AISI 316

## Quick coupling ISO 7241-B

Enchufes de punzón ISO 7241-B

SVK nach ISO 7241-B

Coupleurs rapides à clapet ISO 7241-B



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €               |
|-----------------|------------------------|----------------------|----------|-----------------------|-----------------|
| 1/4" BSP        | 6,3                    | 1                    | M        | <b>Z800104</b>        | <b>44,44</b>    |
| 3/8" BSP        | 10                     | 2                    | M        | <b>Z800106</b>        | <b>54,46</b>    |
| 1/2" BSP        | 12,5                   | 3                    | M        | <b>Z800108</b>        | <b>72,79</b>    |
| 3/4" BSP        | 20                     | 4                    | M        | <b>Z800112</b>        | <b>98,74</b>    |
| 1" BSP          | 25                     | 5                    | M        | <b>Z800116</b>        | <b>160,47</b>   |
| 1"1/4 BSP       | 40                     | 7                    | M        | <b>Z800120</b>        | <b>524,52</b>   |
| 1"1/2 BSP       | 40                     | 7                    | M        | <b>Z800124</b>        | <b>530,73</b>   |
| 2" BSP          | 50                     | 8                    | M        | <b>Z800132</b>        | <b>1.018,20</b> |
| 1/4" BSP        | 6,3                    | 1                    | H        | <b>Z800204</b>        | <b>98,74</b>    |
| 3/8" BSP        | 10                     | 2                    | H        | <b>Z800206</b>        | <b>111,11</b>   |
| 1/2" BSP        | 12,5                   | 3                    | H        | <b>Z800208</b>        | <b>145,92</b>   |
| 3/4" BSP        | 20                     | 4                    | H        | <b>Z800212</b>        | <b>216,61</b>   |
| 1" BSP          | 25                     | 5                    | H        | <b>Z800216</b>        | <b>303,60</b>   |
| 1"1/4 BSP       | 40                     | 7                    | H        | <b>Z800220</b>        | <b>765,20</b>   |
| 1"1/2 BSP       | 40                     | 7                    | H        | <b>Z800224</b>        | <b>765,20</b>   |
| 2" BSP          | 50                     | 8                    | H        | <b>Z800232</b>        | <b>1.592,14</b> |

## Quick coupling 7241-A

Enchufes de punzón 7241-A

SVK nach 7241-A

Coupleurs rapides à clapet 7241-A



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €               |
|-----------------|------------------------|----------------------|----------|-----------------------|-----------------|
| 3/8" BSP        | 10                     | 2                    | M        | <b>Z820106</b>        | <b>47,71</b>    |
| 1/2" BSP        | 12,5                   | 3                    | M        | <b>Z820108</b>        | <b>71,16</b>    |
| 3/4" BSP        | 20                     | 4                    | M        | <b>Z820112</b>        | <b>96,27</b>    |
| 1" BSP          | 25                     | 5                    | M        | <b>Z820116</b>        | <b>160,47</b>   |
| 1"1/4 BSP       | 31,5                   | 6                    | M        | <b>Z820120</b>        | <b>382,63</b>   |
| 1"1/2 BSP       | 40                     | 7                    | M        | <b>Z820124</b>        | <b>530,73</b>   |
| 2" BSP          | 50                     | 8                    | M        | <b>Z820132</b>        | <b>1.018,20</b> |
| 3/8" BSP        | 10                     | 2                    | H        | <b>Z820206</b>        | <b>131,23</b>   |
| 1/2" BSP        | 12,5                   | 3                    | H        | <b>Z820208</b>        | <b>139,33</b>   |
| 3/4" BSP        | 20                     | 4                    | H        | <b>Z820212</b>        | <b>226,11</b>   |
| 1" BSP          | 25                     | 5                    | H        | <b>Z820216</b>        | <b>286,97</b>   |
| 1"1/4 BSP       | 31,5                   | 6                    | H        | <b>Z820220</b>        | <b>759,05</b>   |
| 1"1/2 BSP       | 40                     | 7                    | H        | <b>Z820224</b>        | <b>956,52</b>   |
| 2" BSP          | 50                     | 8                    | H        | <b>Z820232</b>        | <b>1.814,30</b> |

## Quick screw couplings ISO 14541

Enchufes autoroscantes ISO 14541

SV-Schraubkupplungen ISO 14541

Coupleur rapide à visser filetage ISO 14541



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €               |
|-----------------|------------------------|----------------------|----------|-----------------------|-----------------|
| 1/4" BSP        | 6,3                    | 1                    | M        | <b>Z800804</b>        | <b>209,84</b>   |
| 3/8" BSP        | 10                     | 2                    | M        | <b>Z800806</b>        | <b>127,79</b>   |
| 1/2" BSP        | 12,5                   | 3                    | M        | <b>Z800808</b>        | <b>154,26</b>   |
| 3/4" BSP        | 20                     | 4                    | M        | <b>Z800812</b>        | <b>254,90</b>   |
| 1" BSP          | 25                     | 5                    | M        | <b>Z800816</b>        | <b>333,26</b>   |
| 1"1/4 BSP       | 40                     | 7                    | M        | <b>Z800820</b>        | <b>1.252,73</b> |
| 1"1/2 BSP       | 40                     | 7                    | M        | <b>Z800824</b>        | <b>1.252,73</b> |
| 1/4" BSP        | 6,3                    | 1                    | H        | <b>Z800904</b>        | <b>153,70</b>   |
| 3/8" BSP        | 10                     | 2                    | H        | <b>Z800906</b>        | <b>111,11</b>   |
| 1/2" BSP        | 12,5                   | 3                    | H        | <b>Z800908</b>        | <b>135,79</b>   |
| 3/4" BSP        | 20                     | 4                    | H        | <b>Z800912</b>        | <b>216,00</b>   |
| 1" BSP          | 25                     | 5                    | H        | <b>Z800916</b>        | <b>288,82</b>   |
| 1"1/4 BSP       | 40                     | 7                    | H        | <b>Z800920</b>        | <b>937,99</b>   |
| 1"1/2 BSP       | 40                     | 7                    | H        | <b>Z800924</b>        | <b>937,99</b>   |

## Quick coupling free flow 7241-B

Enchufes paso total 7241-B

SVK 7241-B voller Durchgang

Coupleurs rapides passage total 7241-B



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €               |
|-----------------|------------------------|----------------------|----------|-----------------------|-----------------|
| 1/8" BSP        | 5                      | 0                    | M        | <b>Z830102</b>        | <b>31,07</b>    |
| 1/4" BSP        | 6,3                    | 1                    | M        | <b>Z830104</b>        | <b>32,01</b>    |
| 3/8" BSP        | 10                     | 2                    | M        | <b>Z830106</b>        | <b>34,81</b>    |
| 1/2" BSP        | 12,5                   | 3                    | M        | <b>Z830108</b>        | <b>41,22</b>    |
| 3/4" BSP        | 20                     | 4                    | M        | <b>Z830112</b>        | <b>67,54</b>    |
| 1" BSP          | 25                     | 5                    | M        | <b>Z830116</b>        | <b>101,26</b>   |
| 1"1/4 BSP       | 40                     | 7                    | M        | <b>Z830120</b>        | <b>225,83</b>   |
| 1"1/2 BSP       | 40                     | 7                    | M        | <b>Z830124</b>        | <b>225,83</b>   |
| 2" BSP          | 50                     | 8                    | M        | <b>Z830132</b>        | <b>851,63</b>   |
| 1/8" BSP        | 5                      | 0                    | H        | <b>Z830202</b>        | <b>92,41</b>    |
| 1/4" BSP        | 6,3                    | 1                    | H        | <b>Z830204</b>        | <b>87,46</b>    |
| 3/8" BSP        | 10                     | 2                    | H        | <b>Z830206</b>        | <b>105,47</b>   |
| 1/2" BSP        | 12,5                   | 3                    | H        | <b>Z830208</b>        | <b>121,91</b>   |
| 3/4" BSP        | 20                     | 4                    | H        | <b>Z830212</b>        | <b>172,75</b>   |
| 1" BSP          | 25                     | 5                    | H        | <b>Z830216</b>        | <b>286,97</b>   |
| 1"1/4 BSP       | 40                     | 7                    | H        | <b>Z830220</b>        | <b>441,13</b>   |
| 1"1/2 BSP       | 40                     | 7                    | H        | <b>Z830224</b>        | <b>441,13</b>   |
| 2" BSP          | 50                     | 8                    | H        | <b>Z830232</b>        | <b>1.419,36</b> |

# Quick couplings AISI 316

Enchufes rápidos AISI 316

SVK AISI 316

Coupleurs rapides AISI 316

## Flat face quick coupling ISO16028

Enchufes de válvula plana ISO16028

Flachdichtende Kupplungen

Coupleurs à clapet face plane ISO16028



## Flat face screw couplings, connection u/pressure

Válvula plana autoroscante acoplamiento en presión

SV-Schraubkupplung flach

Coupleurs face plane à visser, connexion sous pression



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €               |
|-----------------|------------------------|----------------------|----------|-----------------------|-----------------|
| 1/4" BSP        | 6,3                    | 1                    | M        | <b>Z900104</b>        | <b>162,89</b>   |
| 3/8" BSP        | 10                     | 2                    | M        | <b>Z900106</b>        | <b>201,08</b>   |
| 1/2" BSP        | 12,5                   | 3                    | M        | <b>Z900108</b>        | <b>230,75</b>   |
| 3/4" BSP        | 16                     | 4A                   | M        | <b>Z900112</b>        | <b>315,78</b>   |
| 1" BSP          | 19                     | 4                    | M        | <b>Z900116</b>        | <b>340,83</b>   |
| 1"1/4 BSP       | 25                     | 5                    | M        | <b>Z900120</b>        | <b>329,51</b>   |
| 1"1/2 BSP       | 38                     | 7                    | M        | <b>Z900124</b>        | <b>661,73</b>   |
| 2" BSP          | 51                     | 8                    | M        | <b>Z900132</b>        | <b>1.477,06</b> |
| 1/4" BSP        | 6,3                    | 1                    | H        | <b>Z900204</b>        | <b>270,14</b>   |
| 3/8" BSP        | 10                     | 2                    | H        | <b>Z900206</b>        | <b>320,89</b>   |
| 1/2" BSP        | 12,5                   | 3                    | H        | <b>Z900208</b>        | <b>376,70</b>   |
| 3/4" BSP        | 16                     | 4A                   | H        | <b>Z900212</b>        | <b>469,28</b>   |
| 1" BSP          | 19                     | 4                    | H        | <b>Z900216</b>        | <b>555,22</b>   |
| 1"1/4 BSP       | 25                     | 5                    | H        | <b>Z900220</b>        | <b>810,26</b>   |
| 1"1/2 BSP       | 38                     | 7                    | H        | <b>Z900224</b>        | <b>1.604,46</b> |
| 2" BSP          | 51                     | 8                    | H        | <b>Z900232</b>        | <b>2.540,54</b> |

| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | Referencia<br>Part n° | €               |
|-----------------|------------------------|----------------------|-----------------------|-----------------|
| 3/8" BSP        | M30x2                  | 10                   | <b>Z905106</b>        | <b>261,67</b>   |
| 1/2" BSP        | M36x2                  | 12,5                 | <b>Z905108</b>        | <b>322,12</b>   |
| 3/4" BSP        | M36x2                  | 16                   | <b>Z905112</b>        | <b>319,66</b>   |
| 1" BSP          | M43x3                  | 19                   | <b>Z905116</b>        | <b>475,15</b>   |
| 1"1/4 BSP       | M48x3                  | 25                   | <b>Z905120</b>        | <b>728,21</b>   |
| 1"1/2 BSP       | M80x4                  | 40                   | <b>Z905124</b>        | <b>1.357,62</b> |
| 3/8" BSP        | M30X2                  | 10                   | <b>Z905206</b>        | <b>222,16</b>   |
| 1/2" BSP        | M36X2                  | 12,5                 | <b>Z905208</b>        | <b>315,97</b>   |
| 3/4" BSP        | M36X2                  | 16                   | <b>Z905212</b>        | <b>291,28</b>   |
| 1" BSP          | M43X3                  | 19                   | <b>Z905216</b>        | <b>432,00</b>   |
| 1"1/4 BSP       | M48X3                  | 25                   | <b>Z905220</b>        | <b>623,26</b>   |
| 1"1/2 BSP       | M80X4                  | 40                   | <b>Z905224</b>        | <b>2.048,77</b> |

## Quick coupling ball type 700 bar connection u/pressure

Enchufes de bola 700 bar acoplamiento en presión

SVK, Kugeltyp, Hochdruck 700bar

Coupleurs rapides à bille 700 bar connexion sous pression



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €             |
|-----------------|------------------------|----------------------|----------|-----------------------|---------------|
| 3/8" NPT        | 10                     | 2                    | M        | <b>Z711106</b>        | <b>104,00</b> |
| 3/8" NPT        | 10                     | 2                    | H        | <b>Z711206</b>        | <b>143,18</b> |



## Quick couplings AISI 316

Enchufes rápidos AISI 316

SVK AISI 316

Coupleurs rapides AISI 316

# TrΔle®

### Quick couplings 7241-A TrΔle®

Enchufes TrΔle® 7241-A

SVK 7241-A TrΔle®

Coupleurs 7241-A TrΔle®



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €      |
|-----------------|------------------------|----------------------|----------|-----------------------|--------|
| 1/4" BSP        | 6,3                    | 1                    | M        | ZB820104              | 16,87  |
| 3/8" BSP        | 10                     | 2                    | M        | ZB820106              | 25,88  |
| 1/2" BSP        | 12,5                   | 3                    | M        | ZB820108              | 44,07  |
| 3/4" BSP        | 20                     | 4                    | M        | ZB820112              | 79,23  |
| 1" BSP          | 25                     | 5                    | M        | ZB820116              | 110,05 |
| 1/4" BSP        | 6,3                    | 1                    | H        | ZB820204              | 40,99  |
| 3/8" BSP        | 10                     | 2                    | H        | ZB820206              | 61,94  |
| 1/2" BSP        | 12,5                   | 3                    | H        | ZB820208              | 103,52 |
| 3/4" BSP        | 20                     | 4                    | H        | ZB820212              | 185,46 |
| 1" BSP          | 25                     | 5                    | H        | ZB820216              | 258,74 |

### Quick couplings 7241-B TrΔle®

Enchufes TrΔle® 7241-B

SVK I7241-B TrΔle®

Coupleurs TrΔle® 7241-B



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €      |
|-----------------|------------------------|----------------------|----------|-----------------------|--------|
| 1/8" BSP        | 5                      | 0                    | M        | ZB800102              | 12,57  |
| 1/4" BSP        | 6,3                    | 1                    | M        | ZB800104              | 16,74  |
| 3/8" BSP        | 10                     | 2                    | M        | ZB800106              | 26,77  |
| 1/2" BSP        | 12,5                   | 3                    | M        | ZB800108              | 44,64  |
| 3/4" BSP        | 20                     | 4                    | M        | ZB800112              | 81,18  |
| 1" BSP          | 25                     | 5                    | M        | ZB800116              | 112,71 |
| 1/8" BSP        | 5                      | 0                    | H        | ZB800202              | 28,12  |
| 1/4" BSP        | 6,3                    | 1                    | H        | ZB800204              | 40,56  |
| 3/8" BSP        | 10                     | 2                    | H        | ZB800206              | 66,37  |
| 1/2" BSP        | 12,5                   | 3                    | H        | ZB800208              | 106,01 |
| 3/4" BSP        | 20                     | 4                    | H        | ZB800212              | 189,98 |
| 1" BSP          | 25                     | 5                    | H        | ZB800216              | 265,03 |

### Quick couplings free flow TrΔle® 7241-B

Enchufes Paso Total TrΔle® 7241-B

SVK TrΔle® voller Durchgang 7241-B

Coupleurs passage total TrΔle® 7241-B



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €      |
|-----------------|------------------------|----------------------|----------|-----------------------|--------|
| 1/4" BSP        | 6,3                    | 1                    | M        | ZB830104              | 25,52  |
| 3/8" BSP        | 10                     | 2                    | M        | ZB830106              | 34,93  |
| 1/2" BSP        | 12,5                   | 3                    | M        | ZB830108              | 48,53  |
| 3/4" BSP        | 20                     | 4                    | M        | ZB830112              | 72,15  |
| 1" BSP          | 25                     | 5                    | M        | ZB830116              | 112,24 |
| 1/4" BSP        | 6,3                    | 1                    | H        | ZB830204              | 69,60  |
| 3/8" BSP        | 10                     | 2                    | H        | ZB830206              | 82,26  |
| 1/2" BSP        | 12,5                   | 3                    | H        | ZB830208              | 98,08  |
| 3/4" BSP        | 20                     | 4                    | H        | ZB830212              | 157,80 |
| 1" BSP          | 25                     | 5                    | H        | ZB830216              | 360,96 |

### Quick couplings 7241-A NPT TrΔle®

Enchufes NPT TrΔle® 7241-A

SVK 7241-A NPT TrΔle®

Coupleurs 7241-A NPT TrΔle®



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €      |
|-----------------|------------------------|----------------------|----------|-----------------------|--------|
| 1/4" NPT        | 6,3                    | 1                    | M        | ZB801104              | 16,60  |
| 3/8" NPT        | 10                     | 2                    | M        | ZB801106              | 26,53  |
| 1/2" NPT        | 12,5                   | 3                    | M        | ZB801108              | 44,41  |
| 3/4" NPT        | 20                     | 4                    | M        | ZB801112              | 80,72  |
| 1" NPT          | 25                     | 5                    | M        | ZB801116              | 112,13 |
| 1/4" NPT        | 6,3                    | 1                    | H        | ZB801204              | 40,33  |
| 3/8" NPT        | 10                     | 2                    | H        | ZB801206              | 63,49  |
| 1/2" NPT        | 12,5                   | 3                    | H        | ZB801208              | 105,47 |
| 3/4" NPT        | 20                     | 4                    | H        | ZB801212              | 188,95 |
| 1" NPT          | 25                     | 5                    | H        | ZB801216              | 264,75 |

### Quick couplings 7241-B NPT TrΔle®

Enchufes NPT TrΔle® 7241-B

SVK 7241-B NPT TrΔle®

Coupleurs 7241-B NPT TrΔle®



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €      |
|-----------------|------------------------|----------------------|----------|-----------------------|--------|
| 1/4" NPT        | 6,3                    | 1                    | M        | ZB811104              | 16,80  |
| 3/8" NPT        | 10                     | 2                    | M        | ZB811106              | 26,56  |
| 1/2" NPT        | 12,5                   | 3                    | M        | ZB811108              | 44,70  |
| 3/4" NPT        | 20                     | 4                    | M        | ZB811112              | 81,08  |
| 1" NPT          | 25                     | 5                    | M        | ZB811116              | 114,78 |
| 1/4" NPT        | 6,3                    | 1                    | H        | ZB811204              | 40,54  |
| 3/8" NPT        | 10                     | 2                    | H        | ZB811206              | 63,37  |
| 1/2" NPT        | 12,5                   | 3                    | H        | ZB811208              | 105,89 |
| 3/4" NPT        | 20                     | 4                    | H        | ZB811212              | 189,63 |
| 1" NPT          | 25                     | 5                    | H        | ZB811216              | 264,57 |

### Flat face quick coupling ISO16028 TrΔle®

Enchufes de válvula plana ISO16028 TrΔle®

SVK flach ISO16028 TrΔle®

Coupleurs à clapet face plane ISO16028 TrΔle®



| ROSCA<br>THREAD | TAMAÑO ISO<br>ISO SIZE | TAMAÑO BG<br>BG SIZE | E.<br>C. | Referencia<br>Part n° | €      |
|-----------------|------------------------|----------------------|----------|-----------------------|--------|
| 1/4" BSP        | 6                      | 1                    | M        | ZB900104              | 70,41  |
| 3/8" BSP        | 10                     | 2                    | M        | ZB900106              | 93,56  |
| 1/2" BSP        | 12                     | 3                    | M        | ZB900108              | 129,09 |
| 3/4" BSP        | 16                     | 4A                   | M        | ZB900112              | 150,96 |
| 1" BSP          | 19                     | 4                    | M        | ZB900116              | 224,03 |
| 1/4" BSP        | 6                      | 1                    | H        | ZB900204              | 163,33 |
| 3/8" BSP        | 10                     | 2                    | H        | ZB900206              | 218,22 |
| 1/2" BSP        | 12                     | 3                    | H        | ZB900208              | 242,70 |
| 3/4" BSP        | 16                     | 4A                   | H        | ZB900212              | 267,24 |
| 1" BSP          | 19                     | 4                    | H        | ZB900216              | 490,74 |

# Ball valves AISI 316

Llaves de paso AISI 316  
Kugelhähne AISI 316  
Robinets AISI 316

## 2 Way ball-valves BSP female ISO 228

Llave 2 vías rosca hembra BSP

2-Wege-KH w BSP ISO 228

Robinet haute pression 2 voies boisseau sphérique femelle BSP



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|----|-----------------|-----------------------|--------|
| 4  | 1/8" BSP        | MKH G 1/8             | 258,85 |
| 6  | 1/4" BSP        | MKH G 1/4             | 171,87 |
| 10 | 3/8" BSP        | MKH G 3/8             | 215,26 |
| 13 | 1/2" BSP        | MKH G 1/2             | 221,52 |
| 16 | 5/8" BSP        | MKH G 5/8*            | 468,81 |
| 20 | 3/4" BSP        | MKH G 3/4             | 529,29 |
| 25 | 1" BSP          | MKH G 1               | 584,67 |
| 25 | 1" 1/4 BSP      | MKH G 1 1/4 DN25      | 737,26 |
| 25 | 1" 1/2 BSP      | MKH G 1 1/2 DN25      | 837,26 |

\*Until end of stock / Hasta fin de existencias / Bis zum Ende des Lagerbestandes / Jusqu' à la fin du stock

## 2 Way ball-valves: tube connection serie L DIN 2353

Llave 2 vías tubo rígido serie ligera

2-Wege-KH Rohr L Leichte Serie

Robinet haute pression 2 voies boisseau sphérique pour tube rigide série légère



| DN    | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|-------|--------------|-----------------|-----------------------|----------|
| 4     | 6 L          | M12X1,5         | MKH 6 L               | 344,13   |
| 6     | 8 L          | M14X1,5         | MKH 8 L               | 304,19   |
| 8     | 10 L         | M16X1,5         | MKH 10 L              | 304,19   |
| 10    | 12 L         | M18X1,5         | MKH 12 L              | 279,37   |
| 13    | 15 L         | M22X1,5         | MKH 15 L              | 325,76   |
| 16    | 18 L         | M26X1,5         | MKH 18 L              | 323,02   |
| 20    | 22 L         | M30X2           | MKH 22 L              | 567,54   |
| 25    | 28 L         | M36X2           | MKH 28 L              | 722,92   |
| 25/32 | 35 L         | M45X2           | MKH 35 L              | 758,30   |
| 25/40 | 42 L         | M52X2           | MKH 42 L              | 1.018,58 |

## 2 Way ball-valves: tube connection serie S DIN 2353

Llave 2 vías tubo rígido serie pesada

2-Wege-KH Rohr S Schwere Serie

Robinet haute pression 2 voies boisseau sphérique pour tube rigide série lourde



| DN    | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|-------|--------------|-----------------|-----------------------|--------|
| 4     | 8 S          | M16X1.5         | MKH 8 S               | 304,19 |
| 6     | 10 S         | M18X1.5         | MKH 10 S              | 317,42 |
| 8     | 12 S         | M20X1.5         | MKH 12 S              | 267,51 |
| 10    | 14 S         | M22X1.5         | MKH 14 S              | 351,75 |
| 13    | 16 S         | M24X1.5         | MKH 16 S              | 287,78 |
| 13    | 20 S         | M30X2           | MKH 20 S DN13         | 421,53 |
| 16    | 20 S         | M30X2           | MKH 20 S              | 488,12 |
| 25    | 30 S         | M42X2           | MKH 30 S              | 609,04 |
| 20    | 25 S         | M36X2           | MKH 25 S              | 528,12 |
| 25/32 | 38 S         | M52X2           | MKH 38 S              | 694,32 |

## Ball-valves BSP female

Llave 2 vías rosca hembra BSP paso total

2-Wege-KH w BSP voller Durchgang

Robinet haute pression 2 voies boisseau sphérique femelle



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|----|-----------------|-----------------------|----------|
| 32 | 1" 1/4 BSP      | MKH G 1 1/4 DN32      | 1.287,21 |
| 50 | 2" BSP          | MKH G 2 DN50          | 2.209,88 |

## Ball-valves: tube connection serie L DIN 2353 full bore

Llave 2 vías tubo rígido L paso total

2-Wege-KH Rohr DIN 2353 L voller Durchgang

Robinet haute pression 2 voies boisseau sphérique Métrique série légère passage total



| DN | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|----|--------------|-----------------|-----------------------|----------|
| 35 | 35 L         | M45X2           | MKH 35 L DN35         | 1.456,66 |

## Ball-valves: tube connection serie S DIN 2353 full bore

Llave 2 vías tubo rígido S paso total

2-Wege-KH Rohr DIN 2353 S voller Durchgang

Robinet haute pression 2 voies boisseau sphérique Métrique série légère passage total



| DN | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|----|--------------|-----------------|-----------------------|----------|
| 32 | 38 S         | M52x2           | MKH 38 S DN32         | 1.433,01 |

## 3 Way ball-valve female BSP L flow

Llave 3 vías hembra - hembra - hembra BSP paso en L

3-Wege-KH w - w BSP - BSP Typ L

Robinet haute pression 3 voies boisseau sphérique femelle BSP passage en L



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|----|-----------------|-----------------------|----------|
| 4  | 1/8" BSP        | MK3A-G 1/8            | 560,76   |
| 6  | 1/4" BSP        | MK3A-G 1/4            | 441,40   |
| 10 | 3/8" BSP        | MK3A-G 3/8            | 621,61   |
| 13 | 1/2" BSP        | MK3A-G 1/2            | 543,89   |
| 20 | 3/4" BSP        | MK3A-G 3/4            | 1.108,43 |
| 25 | 1" BSP          | MK3A-G 1              | 1.556,93 |
| 25 | 1" 1/4 BSP      | MK3A-G 1 1/4          | 1.801,96 |
| 40 | 1" 1/2 BSP      | MK3A-G 1 1/2          | 3.893,72 |

## Ball valves AISI 316

Llaves de paso AISI 316

Kugelhähne AISI 316

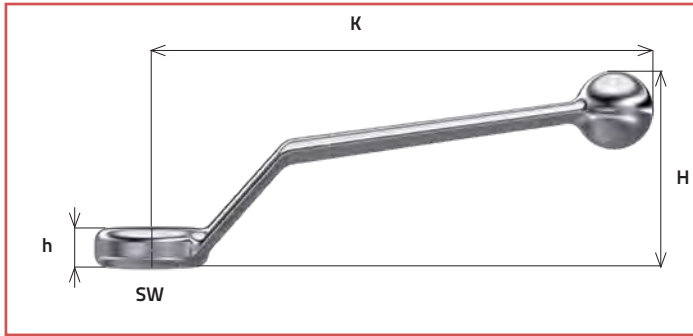
Robinets AISI 316

### Handles for ball-valves

Manetas

Handhebel für Kugelhähne

Leviers pour robinets

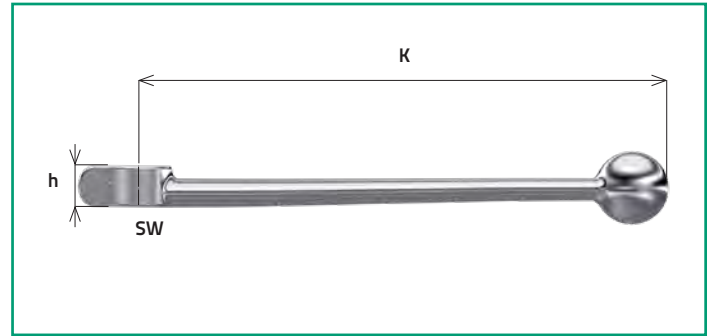


### Handles for ball-valves 2

Manetas

Handhebel für Kugelhähne

Leviers pour robinets



|                                             | SW | Zinc<br>Zinc         |     |     |           |    |     | Aluminio<br>Aluminum |    |     | INOX/SS316L    |     |     | Acero<br>Steel |    |     |
|---------------------------------------------|----|----------------------|-----|-----|-----------|----|-----|----------------------|----|-----|----------------|-----|-----|----------------|----|-----|
| Serie BSP<br>1/8 - 1/4 - 3/8 - 1/2 - 5/8    | 9  | A60013155330*<br>(1) |     |     | AR603722* |    |     |                      |    |     | Z60013155330 * |     |     | C600063*       |    |     |
| Serie DIN<br>6 - 8 - 10 - 12 - 14 - 15 - 16 |    | H                    | J   | K   | H         | J  | K   | H                    | J  | K   | H              | J   | K   | H              | J  | K   |
|                                             |    | 45                   | 8.7 | 155 | -         | 10 | 155 |                      |    |     | 45             | 8.7 | 155 | 47             | 9  | 155 |
| Serie BSP<br>5/8                            | 12 |                      |     |     |           |    |     | L501741*<br>(1)      |    |     |                |     |     |                |    |     |
| Serie DIN<br>18                             |    |                      |     |     |           |    |     | H                    | J  | K   |                |     |     |                |    |     |
|                                             |    |                      |     |     |           |    |     | 55                   | 12 | 160 |                |     |     |                |    |     |
| Serie BSP<br>3/4 - 1 - 1 1/4                | 14 | A60013155331*<br>(1) |     |     |           |    |     | LR606745 *           |    |     | Z60013155331*  |     |     | C708618*       |    |     |
| Serie DIN<br>22 - 25 - 28 - 30 - 35 - 38    |    | H                    | J   | K   |           |    |     | H                    | J  | K   | H              | J   | K   | H              | J  | K   |
|                                             |    | -                    | 13  | 200 |           |    |     | -                    | 12 | 200 | -              | 13  | 200 | 64             | 12 | 171 |
| Serie BSP<br>1 1/4 - 1 1/2 - 2              | 17 |                      |     |     |           |    |     | LR801799*<br>(1)     |    |     | Z60013155332*  |     |     |                |    |     |
| Serie DIN 3<br>3-5 - 38 - 42                |    | H                    | J   | K   |           |    |     | H                    | J  | K   | H              | J   | K   |                |    |     |
|                                             |    | -                    | 16  | 320 |           |    |     | -                    | 15 | 90  |                |     |     |                |    |     |

### Handles for ball-valves are supplied with zinc or aluminum.

Las llaves se suministran con maneta de zinc o aluminio.

Griffe für Kugelhähne werden in Zink oder Aluminium geliefert

Leviers pour robinets sont fournies avec une poignée en zinc ou en aluminium.

(1) Handles are supplied for ball-valves / Maneta suministrada junto a la llave / Für Kugelhähne werden Griffe mitgeliefert / Leviers sont fournies pour robinets /

## Ball valves AISI 316

Llaves de paso AISI 316  
Kugelhähne AISI 316  
Robinets AISI 316



### 2 ways ball valve female BSP TrΔle®

Llave 2 vías rosca hembra BSP TrΔle®

2-Wege-KH w BSP TrΔle®

Robinet haute pression 2 voies boisseau sphérique femelle BSP TrΔle®



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|----|-----------------|-----------------------|--------|
| 4  | 1/8" BSP        | ZGB2V 1/8             | 76,02  |
| 6  | 1/4" BSP        | ZGB2V 1/4             | 119,28 |
| 10 | 3/8" BSP        | ZGB2V 3/8             | 145,52 |
| 13 | 1/2" BSP        | ZGB2V 1/2             | 161,54 |
| 20 | 3/4" BSP        | ZGB2V 3/4             | 247,24 |
| 25 | 1" BSP          | ZGB2V 1               | 342,06 |

### 2 ways ball valve female NPT TrΔle®

Llave 2 vías rosca hembra NPT TrΔle®

2-Wege-KH w NPT TrΔle®

Robinet haute pression 2 voies boisseau sphérique femelle NPT TrΔle®



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|----|-----------------|-----------------------|--------|
| 6  | 1/4" NPT        | ZGB2V 1/4 NPT         | 119,28 |
| 10 | 3/8" NPT        | ZGB2V 3/8 NPT         | 145,52 |
| 12 | 1/2" NPT        | ZGB2V 1/2 NPT         | 161,54 |
| 19 | 3/4" NPT        | ZGB2V 3/4 NPT         | 247,24 |
| 25 | 1" NPT          | ZGB2V 1 NPT           | 386,25 |

### 2 ways ball valve: tube connector light serie TrΔle®

Llave 2 vías tubo rígido serie ligera TrΔle®

2-Wege-KH Rohr L Leichte Serie TrΔle®

Robinet haute pression 2 voies boisseau sphérique sortie pour tube rigide Série légère TrΔle®



| DN | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|----|--------------|-----------------|-----------------------|--------|
| 6  | 8 L          | M14X1,5         | ZGB2V 8 L             | 127,78 |
| 8  | 10 L         | M16X1.5         | ZGB2V 10 L            | 148,50 |
| 10 | 12 L         | M18X1.5         | ZGB2V 12 L            | 148,50 |
| 13 | 15 L         | M22X1.5         | ZGB2V 15 L            | 184,80 |
| 16 | 18 L         | M26X1.5         | ZGB2V 18 L            | 184,80 |
| 20 | 22 L         | M30X2           | ZGB2V 22 L            | 313,17 |
| 25 | 28L          | M36X2           | ZGB2V 28 L            | 370,87 |

### 2 ways ball valve: tube connector heavy serie TrΔle®

Llave 2 vías tubo rígido serie pesada TrΔle®

2-Wege-KH Rohr S Schwere Serie TrΔle®

Robinet haute pression 2 voies boisseau sphérique sortie pour tube rigide Série lourde TrΔle®



| DN | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|----|--------------|-----------------|-----------------------|--------|
| 4  | 8 S          | M16X1.5         | ZGB2V 8 S             | 130,68 |
| 6  | 10 S         | M18X1.5         | ZGB2V 10 S            | 130,68 |
| 8  | 12 S         | M20X1.5         | ZGB2V 12 S            | 148,50 |
| 10 | 14 S         | M22X1.5         | ZGB2V 14 S            | 157,08 |
| 13 | 16 S         | M24X1.5         | ZGB2V 16 S            | 184,80 |
| 16 | 20 S         | M30X2           | ZGB2V 20 S            | 207,91 |
| 20 | 25 S         | M36X2           | ZGB2V 25 S            | 313,17 |

### 3 Way ball-valve female ISO 228

Llave 3 vías TrΔle® hembra - hembra - hembra BSP paso en L

3-Wege-Kugelhähne weiblich - weiblich BSP - BSP Durchgang L

Robinet haute pression 3 voies boisseau sphérique femelle



| DN | R1       | Referencia<br>Part n° | €      |
|----|----------|-----------------------|--------|
| 6  | 1/4" BSP | ZGB3VH 1/4            | 108,67 |
| 10 | 3/8" BSP | ZGB3VH 3/8            | 163,00 |
| 13 | 1/2" BSP | ZGB3VH 1/2            | 205,25 |
| 20 | 3/4" BSP | ZGB3VH 3/4            | 352,05 |
| 25 | 1" BSP   | ZGB3VH 1              | 520,67 |

### Handles for ball-valves

Manetas para llaves de paso

Handhebel für Kugelhähne

Leviers pour robinets



| TAMAÑO<br>SIZE | Referencia<br>Part n° | €      |
|----------------|-----------------------|--------|
| HEX9           | Z60013155330          | 25,02  |
| HEX14          | Z60013155331          | 42,02  |
| HEX17          | Z60013155332          | 287,64 |

See dimension table in page 243 / Ver tabla de dimensiones en pág 243 / Abmessungen entspr. der Tabelle auf S. 243 / Voir table de dimensions à la page 243

## Swivel fittings AISI 316 TrΔle®

Racores giratorios AISI 316 TrΔle®  
Edelstahl-Drehverschraubungen AISI 316 TrΔle®  
Raccords tournants AISI 316 TrΔle®

### Straight swivel fittings TrΔle®

Racores giratorios rectos TrΔle®

Gerade Drehverschraubungen TrΔle®

Raccord tournant droit TrΔle®



| ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|-----------------|-----------------------|----------|
| 1/4" BSP        | Z GGL 1/4             | 223,58   |
| 3/8" BSP        | Z GGL 3/8             | 256,61   |
| 1/2" BSP        | Z GGL 1/2             | 287,91   |
| 3/4" BSP        | Z GGL 3/4             | 367,84   |
| 1" BSP          | Z GGL 1               | 492,39   |
| 1" 1/4 BSP      | Z GGL 1 1/4           | 682,69   |
| 1" 1/2 BSP      | Z GGL 1 1/2           | 1.029,49 |
| 2" BSP          | Z GGL 2               | 1.380,31 |

### Elbow 90° swivel female TrΔle®

Racores giratorios 90° TrΔle®

W-Drehverschraubungen 90° TrΔle®

Raccord tournant coude 90° TrΔle®



| ROSCA<br>THREAD | Referencia<br>Part n° | €        |
|-----------------|-----------------------|----------|
| 1/4" BSP        | Z GG90 1/4            | 282,12   |
| 3/8" BSP        | Z GG90 3/8            | 338,94   |
| 1/2" BSP        | Z GG90 1/2            | 412,93   |
| 3/4" BSP        | Z GG90 3/4            | 509,76   |
| 1" BSP          | Z GG90 1              | 681,53   |
| 1" 1/4 BSP      | Z GG90 1 1/4          | 1.062,83 |
| 1" 1/2 BSP      | Z GG90 1 1/2          | 1.470,01 |
| 2" BSP          | Z GG90 2              | 2.110,73 |

**SWIVEL FITTINGS UNDER REQUEST**  
**RACORES GIRATORIOS BAJO PEDIDO**



NPT

JIC

UNF

## **Hydraulic Components AISI 316** | **249**

Componentes hidráulicos AISI 316  
Hydraulische Komponenten AISI 316  
Composants Hydrauliques AISI 316



The image features a vertical green bar on the left side, which serves as a background for the page number and title. Within this bar, there are three distinct images of industrial components: a top view of a valve handle with a knurled grip and a circular top marked with '1', '4', '7', and '8'; a middle view of a hexagonal pipe fitting; and a bottom view of a valve assembly with a similar knurled handle and a threaded outlet. The rest of the page is white, providing a high-contrast background for the text.

# 08

## **CONTROL COMPONENTS**

Elementos de control

Kontrollelemente

Éléments de contrôle

Hydraulic Components AISI 316

Componentes hidráulicos AISI 316  
Hydraulische Komponenten AISI 316  
Composants Hydrauliques AISI 316

Flow control valves ▪ Reguladores caudal ▪ Flusskontrollventil ▪ Régulateurs de débit | 249



ZFT2251B



ZFT2253U



ZFT22512B



ZFT22572B



ZFT22575U

Check-valves ▪ Anti-retornos ▪ Rückschlagventile - RV ▪ Clapet antiretour |



Z VSP

Check-valves TrΔle® ▪ Anti-retornos TrΔle® ▪ Rückschlagventile -RV TrΔle® ▪ Clapet antiretour TrΔle® | 250



ZVT0

Relief valves ▪ Limitadoras ▪ Überdruckventile ▪ Limiteurs de pression | 250



ZLIM

# Hydraulic Components AISI 316

Componentes hidráulicos AISI 316  
Hydraulische Komponenten AISI 316  
Composants Hydrauliques AISI 316

## Forged bidirectional flow control valve 350 Bar

Regulador caudal forjado bidireccional 350 Bar

Zweiwege-Ventile 350 Bar

Régulateur débit bidirectionnel forgé 350 Bar



| ROSCA<br>THREAD | CAUDAL MÁX.<br>MAX. FLOW (l/min) | Referencia<br>Part n° | €                 |
|-----------------|----------------------------------|-----------------------|-------------------|
| 1/4" BSP        | M17x1                            | 12                    | ZFT2251B04 193,28 |
| 3/8" BSP        | M20x1                            | 30                    | ZFT2251B06 239,08 |
| 1/2" BSP        | M25x1,5                          | 45                    | ZFT2251B08 373,22 |
| 3/4" BSP        | M30x1,5                          | 85                    | ZFT2251B12 502,50 |

## Forged unidirectional flow control valve 350 Bar

Regulador caudal forjado unidireccional 350 Bar

Einweg-Steuerventile geschmiedet 350 Bar

Régulateur débit unidirectionnel forgé 350 Bar



| ROSCA<br>THREAD | CAUDAL MÁX.<br>MAX. FLOW (l/min) | Referencia<br>Part n° | €                 |
|-----------------|----------------------------------|-----------------------|-------------------|
| 1/4" BSP        | M17x1                            | 12                    | ZFT2253U04 232,15 |
| 3/8" BSP        | M20x1                            | 30                    | ZFT2253U06 282,46 |
| 1/2" BSP        | M25x1,5                          | 45                    | ZFT2253U08 402,10 |
| 3/4" BSP        | M30x1,5                          | 85                    | ZFT2253U12 539,84 |

## Forged unidirectional flow control valve male/female 350 Bar

Regulador caudal forjado bidireccional macho/  
hembra 350 Bar

Einweg-Steuerventil geschmiedet m- w 350 Bar

Régulateur débit bidirectionnel forgé mâle/femelle  
350 Bar



| ROSCA<br>THREAD | CAUDAL MÁX.<br>MAX. FLOW (l/min) | Referencia<br>Part n° | €                  |
|-----------------|----------------------------------|-----------------------|--------------------|
| 1/8" BSP        | M15x1                            | 10                    | ZFT22512B02 225,49 |
| 1/4" BSP        | M17x1                            | 13                    | ZFT22512B04 209,94 |
| 3/8" BSP        | M20x1                            | 30                    | ZFT22512B06 258,81 |
| 1/2" BSP        | M25x1,5                          | 60                    | ZFT22512B08 384,33 |
| 3/4" BSP        | M30x1,5                          | 80                    | ZFT22512B12 517,62 |

## Bidirectional flow control valve 400 Bar

Regulador caudal bidireccional 400 Bar

Zweiweg-Steuerventil 400 Bar

Régulateur débit bidirectionnel 400 Bar



| ROSCA<br>THREAD | CAUDAL MÁX.<br>MAX. FLOW (l/min) | Referencia<br>Part n° | €                    |
|-----------------|----------------------------------|-----------------------|----------------------|
| 1/4" BSP        | M20x1                            | 13                    | ZFT22572B04 284,36   |
| 3/8" BSP        | M25x1,5                          | 38                    | ZFT22572B06 371,32   |
| 1/2" BSP        | M30x1,5                          | 50                    | ZFT22572B08 542,06   |
| 3/4" BSP        | M40x1,5                          | 80                    | ZFT22572B12 837,53   |
| 1" BSP          | M50x1,5                          | 190                   | ZFT22572B16 1.687,28 |
| 1"1/4 BSP       | M50x1,5                          | 195                   | ZFT22572B20 1.843,90 |
| 1" 1/2 BSP      | M55x2                            | 200                   | ZFT22572B24 2.915,80 |
| 2" BSP          | M65x2                            | 200                   | ZFT22572B32 3.805,54 |

## Unidirectional flow control valve 400 Bar

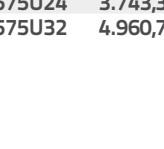
Regulador caudal unidireccional 400 Bar

Einweg-Steuerventile 400 Bar

Régulateur débit unidirectionnel 400 Bar



| ROSCA<br>THREAD | CAUDAL MÁX.<br>MAX. FLOW (l/min) | Referencia<br>Part n° | €                    |
|-----------------|----------------------------------|-----------------------|----------------------|
| 1/8" BSP        | M17x1                            | 6                     | ZFT22575U02 499,85   |
| 1/4" BSP        | M20x1                            | 14                    | ZFT22575U04 419,98   |
| 3/8" BSP        | M25x1,5                          | 20                    | ZFT22575U06 526,51   |
| 1/2" BSP        | M30x1,5                          | 45                    | ZFT22575U08 710,90   |
| 3/4" BSP        | M40x1,5                          | 80                    | ZFT22575U12 1.101,90 |
| 1" BSP          | M50x1,5                          | 180                   | ZFT22575U16 1.897,22 |
| 1"1/4 BSP       | M50x1,5                          | 200                   | ZFT22575U20 2.079,38 |
| 1" 1/2 BSP      | M55x2                            | 200                   | ZFT22575U24 3.743,34 |
| 2" BSP          | M65x2                            | 200                   | ZFT22575U32 4.960,75 |



# Hydraulic Components AISI 316

Componentes hidráulicos AISI 316  
Hydraulische Komponenten AISI 316  
Composants Hydrauliques AISI 316

## Check-valve line mounting BSP



Anti-retorno en línea BSP

Rückschlagventil in Linie BSP

Clapet antiretour simple en ligne BSP



| ROSCA<br>THREAD | TARAJE (bar)<br>SETTING (bar) | Referencia<br>Part n° | €      |
|-----------------|-------------------------------|-----------------------|--------|
| 1/4" BSP        | 0,5                           | Z VSR 1/4             | 58,90  |
| 1/4" BSP        | 2,5                           | Z VSR 1/4-2.5         | 106,79 |
| 1/4" BSP        | 5                             | Z VSR 1/4-5           | 106,79 |
| 1/4" BSP        | 10                            | Z VSR 1/4-10          | 106,79 |
| 3/8" BSP        | 0,5                           | Z VSR 3/8             | 67,62  |
| 3/8" BSP        | 2,5                           | Z VSR 3/8-2.5         | 103,67 |
| 3/8" BSP        | 5                             | Z VSR 3/8-5           | 114,98 |
| 3/8" BSP        | 10                            | Z VSR 3/8-10          | 147,84 |
| 1/2" BSP        | 0,5                           | Z VSR 1/2             | 76,78  |
| 1/2" BSP        | 2,5                           | Z VSR 1/2-2.5         | 136,89 |
| 1/2" BSP        | 5                             | Z VSR 1/2-5           | 136,89 |
| 1/2" BSP        | 10                            | Z VSR 1/2-10          | 136,89 |
| 3/4" BSP        | 0,5                           | Z VSR 3/4             | 135,99 |
| 1" BSP          | 0,5                           | Z VSR 1               | 209,81 |
| 1" 1/4 BSP      | 0,5                           | Z VSR 1 1/4           | 371,94 |
| 1" 1/2 BSP      | 0,5                           | Z VSR 1 1/2           | 449,20 |

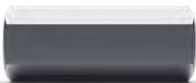
For other standard spring pressures, consult us. / Para otras presiones de tarado estandard, consultar. / Bitte kontaktieren Sie uns für andere Standard-Drucke. / Pour d'autres pressions ressort standard, consultez-nous.

## Check-valve line mounting BSP TrΔle®

Anti-retornos en línea BSP TrΔle®

Rückschlagventil in Linie BSP TrΔle®

Clapet antiretour simple en ligne BSP TrΔle®



| ROSCA<br>THREAD | TARAJE (bar)<br>SETTING (bar) | Referencia<br>Part n° | €     |
|-----------------|-------------------------------|-----------------------|-------|
| 1/4" BSP        | 0,5                           | ZVT001004             | 31,38 |
| 3/8" BSP        | 0,5                           | ZVT001006             | 39,00 |
| 1/2" BSP        | 0,5                           | ZVT001008             | 49,98 |
| 3/4" BSP        | 0,5                           | ZVT001012             | 76,02 |

For other standard spring pressures, consult us. / Para otras presiones de tarado estandard, consultar. / Bitte kontaktieren Sie uns für andere Standard-Drucke. / Pour d'autres pressions ressort standard, consultez-nous.

## Relief valves in line BSP

Limitadoras en línea BSP

Überdruckventile in Linie BSP

Limiteurs de pression en ligne BSP



| ROSCA<br>THREAD | CAMPO REG. (bar)<br>REG RATE (bar) | CAUDAL MÁX.<br>MAX. FLOW (l/min) | Referencia<br>Part n° | €      |
|-----------------|------------------------------------|----------------------------------|-----------------------|--------|
| 1/2" BSP        | 25-100                             | 40                               | ZLIM1225100           | 534,03 |
| 1/2" BSP        | 60-210                             | 40                               | ZLIM1260210           | 534,03 |
| 1/2" BSP        | 100-300                            | 40                               | ZLIM12100300          | 534,03 |



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# PROYECTOS

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# PROJECTS

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**Test couplings** | 257

Racores de control  
Kontrollarmaturen  
Prises de pression

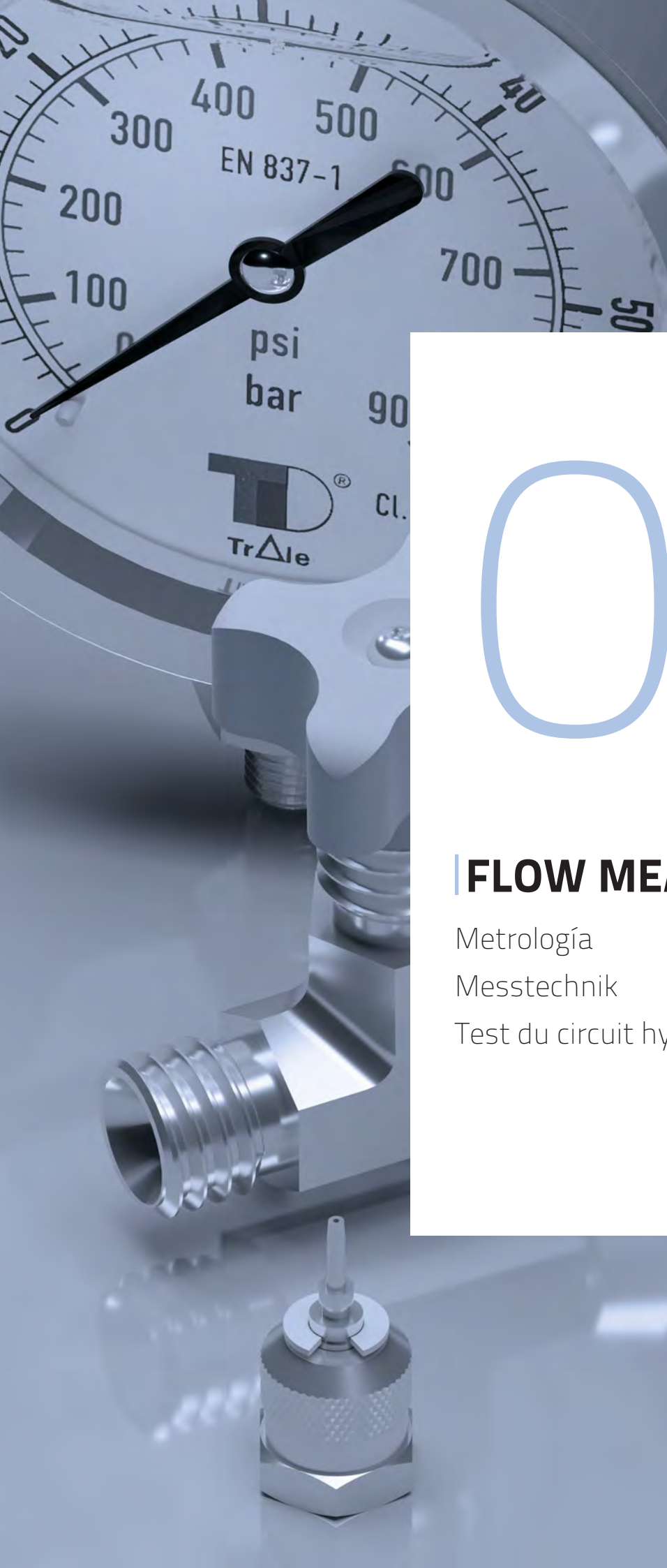
**Micro-hose fittings** | 258

Conexiones Micro-hose  
Mikroschlauch-Armaturen  
Embouts Capillaire

**Pressure gauges AISI 316 with glycerin** | 259

Instrumentos de medición  
Manometer AISI 316L mit Glyzerin  
Manomètre AISI 316 avec glycérine





# 09

## **| FLOW MEASURING**

Metrología

Messtechnik

Test du circuit hydraulique

# Test couplings

Racores de control  
Kontrollarmaturen  
Prises de pression

Checking fittings
 ▪ Racores de Control
 ▪ Kontrollarmaturen
 ▪ Prises de pression

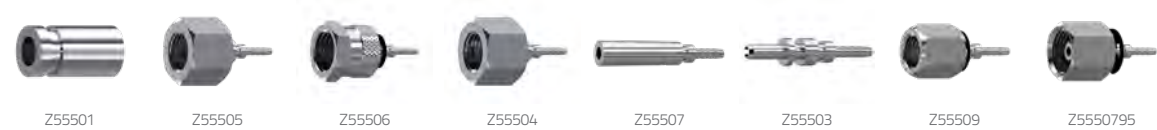
| 257



# Micro-hose fittings

Conexiones Micro-hose  
Mikroschlauch-Armaturen  
Embouts Capillaire

Micro-hose fittings ▪ Conexiones Micro-hose ▪ Mikroschlauch-Armaturen ▪ Embouts Capillaire



Pressure gauges AISI 316 with glycerin

Instrumentos de medición  
Manometer AISI 316L mit Glyzerin  
Manomètre AISI 316 avec glycérine

Pressure gauge DN 63 with glycerin ▪ Manómetros inox glicerina DN 63 ▪ Edelstahl-Manometer mit Glyzerin DN 63 ▪ Manomètre avec glycérine DN 63

259



ZMF163..V      ZMF163..DB

Pressure gauge DN 100 with glycerin ▪ Manómetros inox glicerina DN 100 ▪ Edelstahl-Manometer mit Glyzerin DN 100 ▪ Manomètre avec glycérine DN 100

259



ZMF1100..V      ZMF1100..DB

Valves for manometers ▪ Protectores manómetros ▪ Manometer-Schutzventil ▪ Valves pour manomètres

260



Z FPE      Z FPEA      ZFT2299

## Test couplings

Racores de control  
Kontrollarmaturen  
Prises de pression

### Check couplings with captive seal and metallic cap

Racores de control BSP con junta y capuchón metálico

Kupplungen mit Flachdichtung prüfen und Metallkappe

Prises de pression avec joint plat et capuchon métallique



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" BSP        | Z MPR 1/8 G           | 47,59 |
| 1/4" BSP        | Z MPR 1/4 G           | 47,76 |
| 3/8" BSP        | Z MPR 3/8 G           | 61,13 |
| 1/2" BSP        | Z MPR 1/2 G           | 62,72 |

### TLM Check couplings with metallic cap

Racores de control TLM con capuchón metálico

Kontrollarmaturen mit Ü-Mutter und Metallkappe

Prises de pression TLM avec capuchon métallique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | M12x1.5         | Z MPR TLM 6L          | 125,20 |
| 8            | L               | M14x1.5         | Z MPR TLM 8L          | 128,45 |
| 10           | L               | M16x1.5         | Z MPR TLM 10L         | 106,76 |
| 12           | L               | M18x1.5         | Z MPR TLM 12L         | 110,28 |
| 15           | L               | M22x1.5         | Z MPR TLM 15L         | 115,44 |
| 6            | S               | M14x1.5         | Z MPR TLM 6S          | 126,83 |
| 8            | S               | M16x1.5         | Z MPR TLM 8S          | 110,28 |
| 10           | S               | M18x1.5         | Z MPR TLM 10S         | 108,46 |
| 12           | S               | M20x1.5         | Z MPR TLM 12S         | 111,98 |

### Halfway check fitting for metal tube

Racor de control intermedio para tubo metálico

Kontroll-Zwischenverschraubung für Metallrohr

Raccord intermédiaire pour tube métallique



| TUBO<br>PIPE | SERIE<br>SERIES | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------|-----------------------|--------|
| 6            | L               | M12X1,5         | Z MPR DL 6            | 136,57 |
| 8            | L               | M14X1,5         | Z MPR DL 8            | 143,08 |
| 10           | L               | M16X1,5         | Z MPR DL 10           | 154,47 |
| 12           | L               | M18X1,5         | Z MPR DL 12           | 139,85 |
| 15           | L               | M22X1,5         | Z MPR DL 15           | 152,83 |
| 18           | L               | M26X1,5         | Z MPR DL 18           | 180,00 |
| 22           | L               | M30X2           | Z MPR DL 22           | 198,36 |
| 28           | L               | M36X2           | Z MPR DL 28           | 300,80 |
| 35           | L               | M45X2           | Z MPR DL 35           | 317,06 |
| 42           | L               | M52X2           | Z MPR DL 42           | 289,43 |
| 6            | S               | M14X1,5         | Z MPR DS 6            | 136,57 |
| 8            | S               | M16X1,5         | Z MPR DS 8            | 149,60 |
| 10           | S               | M16X1,5         | Z MPR DS 10           | 159,36 |
| 12           | S               | M18X1,5         | Z MPR DS 12           | 147,98 |
| 14           | S               | M22X1,5         | Z MPR DS 14           | 172,33 |
| 16           | S               | M24X1,5         | Z MPR DS 16           | 159,36 |
| 20           | S               | M30X2           | Z MPR DS 20           | 203,26 |
| 25           | S               | M36X2           | Z MPR DS 25           | 252,02 |
| 30           | S               | M42X2           | Z MPR DS 30           | 305,65 |
| 38           | S               | M52X2           | Z MPR DS 38           | 305,65 |

### NPT Check couplings with metallic cap

Racores de control NPT con capuchón metálico

NPT-Kupplungen prüfen mit Metallkappe

Prises de pression NPT avec capuchon métallique



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| 1/8" NPT        | Z MPR 1/8 NPT         | 61,13 |
| 1/4" NPT        | Z MPR 1/4 NPT         | 61,13 |
| 3/8" NPT        | Z MPR 3/8 NPT         | 61,13 |

### Metric Check couplings with captive seal and metallic cap

Racores de control Métrico con Junta y capuchón metal

Metrische Kupplungen mit Flachdichtung prüfen und Metallkappe

Prises de pression métrique avec joint plat et capuchon métallique



| ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|-----------------|-----------------------|-------|
| M10X1.5         | Z MPR M 10X1.5        | 59,49 |
| M12X1.5         | Z MPR M 12X1.5        | 60,36 |
| M14X1.5         | Z MPR M 14X1.5        | 57,96 |
| M16X1.5         | Z MPR M 16X1.5        | 58,90 |

# Micro-hose fittings

Conexiones Micro-hose  
Mikroschlauch-Armaturen  
Embouts Capillaire

## Ferrules AISI -303

Casquillos AISI-303

Pressfassungen AISI-303

Jupes AISI-303



| DN | Referencia<br>Part n° | €    |
|----|-----------------------|------|
| 2  | Z555010100            | 2,91 |

## Swivel female flat seat with o'ring for manometer Micro-hose

Hembra asiento plano con junta manómetro

Dichtkopf flachdichtend mit Dichtring für Manometer

Embout femelle tournante fond plat avec o'ring pour manomètre Minimess



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|----|-----------------|-----------------------|-------|
| 2  | 1/4" BSP        | Z555050404            | 17,72 |
| 2  | 1/2" BSP        | Z555050808            | 30,01 |

## Check Metric swivel female Micro-hose

Hembra giratoria de control

Kontroll-Dichtkopf mit Ü-Mutter

Embout femelle tournante de control Métrique Minimess



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|----|-----------------|-----------------------|-------|
| 2  | M16X2           | Z555069523            | 23,46 |

## Straight swivel female BSP 60° cone micro-hose

Hembra giratoria BSP 60°

Dichtkopf 60°

Embout femelle tournante gaz cyl BSP 60° Minimess



| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|----|-----------------|-----------------------|-------|
| 2  | 1/8" BSP        | Z555040202            | 34,71 |
| 2  | 1/4" BSP        | Z555040404            | 21,82 |
| 2  | 3/8" BSP        | Z555040606            | 55,81 |

## Metric standpipe Micro-hose

Espiga lisa Métrica

Metr. Stutzen glatt

Embout lisse Métrique Minimess



| DN | TUBO<br>PIPE | Referencia<br>Part n° | €     |
|----|--------------|-----------------------|-------|
| 2  | 6            | Z555070600            | 11,45 |
| 2  | 8            | Z555070800            | 11,47 |

## Straight Micro-hose check male

Macho de control

Kontroll-Außengewinde

Embout mâle manomètre



| DN | Referencia<br>Part n° | €     |
|----|-----------------------|-------|
| 2  | Z555030325            | 12,55 |

## Straight swivel female JIC 37° Micro-hose

Hembra giratoria recta JIC 37°

Dichtkopf mit Ü-Mutter gerade JIC 37°

Embout femelle tournante JIC 37° Minimess



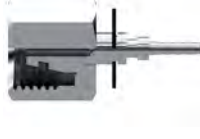
| DN | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|----|-----------------|-----------------------|-------|
| 2  | 7/16" 20h UNF   | Z555090700            | 25,67 |

## Check 24° Metric swivel female with o'ring

Hembra giratoria Métrica con Junta

Kontroll-Dichtkopf 24° metrisch mit O-Ring

Embout femelle tournante de control Métrique 24° avec o'ring



| DN | TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|----|--------------|-----------------|-----------------------|-------|
| 2  | 6L           | M12X1,5         | Z555079510            | 12,82 |
| 2  | 6S           | M14X1,5         | Z555079511            | 28,70 |
| 2  | 8L           | M14X1,5         | Z555079512            | 30,14 |
| 2  | 8S           | M16X1,5         | Z555079523            | 31,68 |
| 2  | 10L          | M16X1,5         | Z555079525            | 34,71 |



# Pressure gauges AISI 316 with glycerin

Instrumentos de medición  
Manometer AISI 316L mit Glycerin  
Manomètre AISI 316 avec glycérine

## Pressure gauge DN 63 vertical connection

Manómetros DN 63 salida vertical

Manometer DN 63 Ausgang vertikal

Manomètre DN 63 sortie verticale



| ROSCA<br>THREAD | ESCALA (bar)<br>SCALE (bar) | Referencia<br>Part n° | €     |
|-----------------|-----------------------------|-----------------------|-------|
| 1/4" BSP        | 0-2.5                       | ZMFI6304002.5V        | *     |
| 1/4" BSP        | 0-4                         | ZMFI6304004V          | 30,93 |
| 1/4" BSP        | 0-6                         | ZMFI6304006V          | 30,93 |
| 1/4" BSP        | 0-10                        | ZMFI6304010V          | 30,93 |
| 1/4" BSP        | 0-16                        | ZMFI6304016V          | 30,93 |
| 1/4" BSP        | 0-25                        | ZMFI6304025V          | 30,93 |
| 1/4" BSP        | 0-40                        | ZMFI6304040V          | 30,93 |
| 1/4" BSP        | 0-60                        | ZMFI6304060V          | 30,93 |
| 1/4" BSP        | 0-100                       | ZMFI6304100V          | 30,93 |
| 1/4" BSP        | 0-160                       | ZMFI6304160V          | 30,93 |
| 1/4" BSP        | 0-250                       | ZMFI6304250V          | 30,93 |
| 1/4" BSP        | 0-400                       | ZMFI6304400V          | 30,93 |
| 1/4" BSP        | 0-600                       | ZMFI6304600V          | 30,93 |

## Pressure gauge DN 63 rear connection

Manómetros DN 63 dorsal

Manometer DN 63 Ausgang hinten

Manomètre DN 63 sortie arrière



| ROSCA<br>THREAD | ESCALA (bar)<br>SCALE (bar) | Referencia<br>Part n° | €     |
|-----------------|-----------------------------|-----------------------|-------|
| 1/4" BSP        | 0-2.5                       | ZMFI63042.5DB         | *     |
| 1/4" BSP        | 0-10                        | ZMFI6304010DB         | 34,38 |
| 1/4" BSP        | 0-16                        | ZMFI6304016DB         | 34,38 |
| 1/4" BSP        | 0-25                        | ZMFI6304025DB         | 34,38 |
| 1/4" BSP        | 0-60                        | ZMFI6304060DB         | 34,38 |
| 1/4" BSP        | 0-160                       | ZMFI6304160DB         | 34,38 |
| 1/4" BSP        | 0-250                       | ZMFI6304250DB         | 34,38 |
| 1/4" BSP        | 0-400                       | ZMFI6304400DB         | 34,38 |

## Pressure gauge DN 100 vertical connection

Manómetros DN 100 salida vertical

Manometer DN 100 Ausgang vertikal

Manomètre DN 100 sortie verticale



| ROSCA<br>THREAD | ESCALA (bar)<br>SCALE (bar) | Referencia<br>Part n° | €     |
|-----------------|-----------------------------|-----------------------|-------|
| 1/2" BSP        | 0-6                         | ZMFI10008006V         | 52,61 |
| 1/2" BSP        | 0-10                        | ZMFI10008010V         | 52,61 |
| 1/2" BSP        | 0-16                        | ZMFI10008016V         | 52,61 |
| 1/2" BSP        | 0-25                        | ZMFI10008025V         | 52,61 |
| 1/2" BSP        | 0-40                        | ZMFI10008040V         | 52,61 |
| 1/2" BSP        | 0-60                        | ZMFI10008060V         | 52,61 |
| 1/2" BSP        | 0-100                       | ZMFI10008100V         | 52,61 |
| 1/2" BSP        | 0-160                       | ZMFI10008160V         | 52,61 |
| 1/2" BSP        | 0-250                       | ZMFI10008250V         | 52,61 |
| 1/2" BSP        | 0-400                       | ZMFI10008400V         | 52,61 |
| 1/2" BSP        | 0-600                       | ZMFI10008600V         | 52,61 |

## Pressure gauge DN 100 rear connection

Manómetros DN 100 dorsal

Manometer DN 100 Ausgang hinten

Manomètre DN 100 sortie arrière



| ROSCA<br>THREAD | ESCALA (bar)<br>SCALE (bar) | Referencia<br>Part n° | €     |
|-----------------|-----------------------------|-----------------------|-------|
| 1/4" BSP        | 0-160                       | ZMFI10004160DB        | *     |
| 1/2" BSP        | 0-1                         | ZMFI10008001DB        | 56,63 |
| 1/2" BSP        | 0-4                         | ZMFI10008004DB        | 56,63 |
| 1/2" BSP        | 0-6                         | ZMFI10008006DB        | 56,63 |
| 1/2" BSP        | 0-10                        | ZMFI10008010DB        | 56,63 |
| 1/2" BSP        | 0-16                        | ZMFI10008016DB        | 56,63 |
| 1/2" BSP        | 0-25                        | ZMFI10008025DB        | 56,63 |
| 1/2" BSP        | 0-40                        | ZMFI10008040DB        | 56,63 |
| 1/2" BSP        | 0-60                        | ZMFI10008060DB        | 56,63 |
| 1/2" BSP        | 0-100                       | ZMFI10008100DB        | 56,63 |
| 1/2" BSP        | 0-160                       | ZMFI10008160DB        | 56,63 |
| 1/2" BSP        | 0-250                       | ZMFI10008250DB        | 56,63 |
| 1/2" BSP        | 0-400                       | ZMFI10008400DB        | *     |



## MANÓMETROS CALIBRADOS BAJO CONSULTA

## CALIBRATED MANOMETER ON REQUEST

Pressure gauges AISI 316 with glycerin

Instrumentos de medición  
Manometer AISI 316L mit Glyzerin  
Manomètre AISI 316 avec glycérine

Pressure gauge protector (line mounting)

Protector manómetro recto

Manometer-Schutzventil in Linie

Isolateur de manomètre droit (en ligne)



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSPT | Z FPE 1G 1/4          | 204,61 |

90° pressure gauge protector (line mounting)

Protector manómetro 90°

Manometer-Schutzventil 90°

Isolateur de manomètre coudé a 90° (en ligne)



| ROSCA<br>THREAD |           | Referencia<br>Part n° | €      |
|-----------------|-----------|-----------------------|--------|
| 1/4" BSP        | 1/4" BSPT | Z FPEA 1G 1/4         | 204,61 |

Pressure gauge adaptor (in line) SF-FM

Adaptador para manómetro en línea TL-MF

Manometer- Adapter TL- MF

Adapteur pour manomètre (en ligne) TL-MF

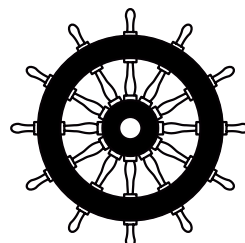


| ROSCA (I/M)<br>THREAD (M) | ROSCA (H)<br>THREAD /F) | Referencia<br>Part n° | €     |
|---------------------------|-------------------------|-----------------------|-------|
| 1/4" BSP                  | 1/4" BSPT               | ZFT229904             | 71,92 |
| 1/2" BSP                  | 1/2" BSPT               | ZFT229908             | 96,01 |

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mejor RENDIMIENTO.**

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GROWING UP TOGETHER

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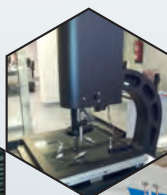


Emisión de certificados. Certificates Issuance.  
Certificados de prueba. Test Certificates.  
Validación de diseños. Design Validation Tests.  
Controles de calidad. Quality Control.

Cortadora de precisión  
Precision cutting Saw



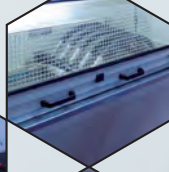
Máquina de medición 3D MMC  
Machine Measuring by Coordinates (MMC)



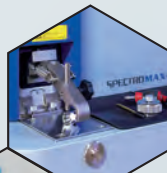
Banco de prueba Bimal B1703 Flex  
B1703 FLEX Dynamic Test Bench



Banco de prueba Bimal BI1001  
Bimal BI1001 Test Bench



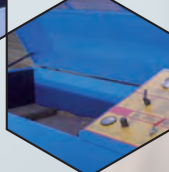
Análisis espectrográfico  
Spectrographic Analyzer



Cámara de niebla salina  
Salt- spray chamber



Banco de pruebas BE 2500 II  
BE 2500 II Test Bench



Abrasímetro  
Abrasion Tester



**www.dicsaes.com**

## **Twin Ferrule Fittings TrΔle® LOK** **267**

Racor Doble Anillo TrΔle® LOK  
Verschraubungen für Doppelklemmring TrΔle® LOK  
Raccords double bague TrΔle® LOK



# 10

## **TWIN FERRULE FITTINGS TRΔLE® LOK**

TrΔle® LOK Racor doble anillo

Verschraubungen für Doppelklemmring

Raccords double bague TrΔle® LOK

Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK

Verschraubungen für Doppelklemmring TrΔle® LOK

Raccords double bague TrΔle® LOK

Nuts and rings ▪ Tuercas y anillos ▪ Muttern und Schneidringe ▪ Écrous et bagues

| 267



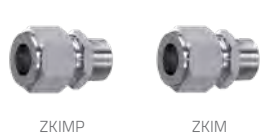
Straight couplings ▪ Uniones tubo-tubo ▪ Gerade Verschraubungen (G) ▪ Raccords union double

| 268



Straight male stud couplings ▪ Uniones rectas tubo-rosca macho ▪ Gerade Einschraubverschr. - EVGE ▪ Raccords union simple mâle

| 270



Male stud elbows ▪ Codos tubo-rosca ▪ W-Einschraubverschraubungen - WE ▪ Raccords coude mâle gaz

| 271



Male stud branch ▪ TES rosca central ▪ T-Einschraubungen - TE ▪ Raccords Té mâle central

| 272



Male stud barrel ▪ TES rosca lateral ▪ T-einschraubungen ▪ Raccords Té mâle latéral

| 272



Bulkhead ▪ Pasatabiques ▪ Schott ▪ Raccords passe cloison

| 272



Straight female coupling ▪ Racor recto hembra ▪ Gerade Kupplung ▪ Raccords droits femelle

| 273



Plugs ▪ Tapones ▪ Stopfen ▪ Raccords bouchon métrique

| 274





# Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK  
 Verschraubungen für Doppelklemmring TrΔle® LOK  
 Raccords double bague TrΔle® LOK

Pipe connector ▪ Conectores para tubo ▪ Rohrverbinder ▪ Connecteur de tuyau

274



ZKIA



ZKIAMP



ZKIAHP

CRIMPING FITTINGS  
FOR HOSES

PIPE  
FITTINGS

PIPE  
FITTINGS II

ADAPTORS

WELDING  
FITTINGS

INDUSTRIAL  
FITTINGS

ACCESSORIES

CONTROL  
COMPONENTS

FLOW  
MEASURING

TRΔLE LOK

# TRΔLE® LOK SERIES

## ■ INFORMACIÓN DE CODIFICACIÓN / CODIFICATION INFORMATION

### 1 EJEMPLO- EXAMPLE

**ZKTK**

**ZK:** DICSΑ TRΔLE® LOK SERIES

**T:** FIGURA (RACOR EN TE)/  
**FIGURE (TE UNION)**

**02:** Ø Tubo (02 = 1/8")  
**Ø Tube (02 = 1/8")**

### 2 EJEMPLO- EXAMPLE

**ZKIMP0202**

**ZK:** DICSΑ TRΔLE® LOK SERIES

**IM:** RACOR RECTO ROSCA TUBO/  
**STRAIGHT MALE STUD**

**P02:** MACHO 1/8" NPT  
**MALE 1/8" NPT**

**02:** Ø Tubo (02 = 1/8")  
**Ø Tube (02 = 1/8")**

| REF / CODE | DESCRIPCION / DESCRIPTION                     |
|------------|-----------------------------------------------|
| ZKN        | Tuercas / Nuts                                |
| ZKAP       | Anillo trasero / Back Ferrule                 |
| ZKAF       | Anillo frontal / Front Ferrule                |
| ZKI        | Unión recta / Straight Union                  |
| ZKL        | Unión en codo / Elbow Union                   |
| ZKT        | Unión en T / Tee Union                        |
| ZKC        | Unión en cruz / Cross Union                   |
| ZKIM       | Unión recta tubo-rosca / Straight male stud   |
| ZKLMP      | Codo tubo - rosca / Male stud elbow           |
| ZKTMP      | T tubo - rosca / Male stud T                  |
| ZKTLM      | L tubo - rosca / Male stud L                  |
| ZKIB       | Pasatabiques recto / Straight bulkhead        |
| ZKIBP      | Pasatabiques tubo-rosca/ Male stud bulkhead   |
| ZKIHP      | Unión tubo-rosca hembra/ Straight female stud |
| ZKOH       | Tapón hembra / Cap                            |
| ZKOM       | Tapón macho / Plug                            |
| ZKIA       | Reductor tubo / Pipe Reducer                  |
| ZKIAH      | Adap. hembra / Female adapter                 |
| ZKIMP      | Adap macho / Male adapter                     |

## ■ DESIGNACIÓN DE TUBO EXTERIOR/ TUBE O.D. DESIGNATOR

| TUBO EN PULGADAS/ FRACTIONAL TUBE |      |       |      |      |      |      |    | TUBO MÉTRICO / METRIC TUBE |     |     |     |     |     |     |     |     |     |     |  |
|-----------------------------------|------|-------|------|------|------|------|----|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1/8"                              | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 1" | 6                          | 8   | 10  | 12  | 14  | 15  | 16  | 18  | 20  | 22  | 25  |  |
| 02                                | 04   | 05    | 06   | 08   | 10   | 12   | 16 | 06M                        | 08M | 10M | 12M | 14M | 15M | 16M | 18M | 20M | 22M | 25M |  |



# Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK  
Verschraubungen für Doppelklemmring TrΔle® LOK  
Raccords double bague TrΔle® LOK

## Nut for twin-ferrule

Tuercas para doble anillo

Mutter für Doppelklemmring

Écrou double bagues



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 1/8"         | ZKN02                 | 6,50  |
| 1/4"         | ZKN04                 | 6,78  |
| 5/16"        | ZKN05                 | *     |
| 3/8"         | ZKN06                 | 8,11  |
| 1/2"         | ZKN08                 | 10,66 |
| 5/8"         | ZKN10                 | 27,27 |
| 3/4"         | ZKN12                 | 26,07 |
| 1"           | ZKN16                 | 46,60 |
| 6            | ZKN06M                | 6,95  |
| 8            | ZKN08M                | 7,70  |
| 10           | ZKN10M                | 9,20  |
| 12           | ZKN12M                | 10,53 |
| 14           | ZKN14M                | *     |
| 15           | ZKN15M                | 22,10 |
| 16           | ZKN16M                | 32,71 |
| 18           | ZKN18M                | 25,93 |
| 20           | ZKN20M                | 37,54 |
| 22           | ZKN22M                | 38,32 |
| 25           | ZKN25M                | 57,71 |

## Back Ferrule

Anillo posterior

Hinterer Klemmring

Bague arrière



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 1/8"         | ZKAP02                | 2,67  |
| 1/4"         | ZKAP04                | 2,78  |
| 5/16"        | ZKAP05                | 10,89 |
| 3/8"         | ZKAP06                | 3,28  |
| 1/2"         | ZKAP08                | 5,22  |
| 5/8"         | ZKAP10                | 19,38 |
| 3/4"         | ZKAP12                | 12,00 |
| 1"           | ZKAP16                | 20,94 |
| 6            | ZKAP06M               | 2,84  |
| 8            | ZKAP08M               | 3,18  |
| 10           | ZKAP10M               | 3,61  |
| 12           | ZKAP12M               | 5,13  |
| 14           | ZKAP14M               | *     |
| 15           | ZKAP15M               | 10,44 |
| 16           | ZKAP16M               | 21,83 |
| 18           | ZKAP18M               | 11,55 |
| 20           | ZKAP20M               | 21,27 |
| 22           | ZKAP22M               | 24,77 |
| 25           | ZKAP25M               | 33,71 |

## Front Ferrule

Anillo frontal

Vorderer Klemmring

Bague avant



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 1/8"         | ZKAF02                | 2,44  |
| 1/4"         | ZKAF04                | 2,44  |
| 5/16"        | ZKAF05                | 9,11  |
| 3/8"         | ZKAF06                | 2,61  |
| 1/2"         | ZKAF08                | 4,23  |
| 5/8"         | ZKAF10                | 16,94 |
| 3/4"         | ZKAF12                | 8,61  |
| 1"           | ZKAF16                | 13,27 |
| 6            | ZKAF06M               | 2,50  |
| 8            | ZKAF08M               | 2,68  |
| 10           | ZKAF10M               | 2,83  |
| 12           | ZKAF12M               | 4,13  |
| 14           | ZKAF14M               | *     |
| 15           | ZKAF15M               | 8,61  |
| 16           | ZKAF16M               | 19,11 |
| 18           | ZKAF18M               | 9,94  |
| 20           | ZKAF20M               | 18,00 |
| 22           | ZKAF22M               | 20,10 |
| 25           | ZKAF25M               | 25,33 |

# Twin Ferrule Fittings TrAle® LOK

Racor Doble Anillo TrAle® LOK  
Verschraubungen für Doppelklemmring TrAle® LOK  
Raccords double bague TrAle® LOK

## Double Straight coupling

Racor unión recta tubo - tubo

Gerade Verschraubungen (G)

Raccord union double



| TUBO<br>PIPE | Referencia<br>Part n° | €      |
|--------------|-----------------------|--------|
| 1/8"         | ZKI02                 | 30,10  |
| 1/4"         | ZKI04                 | 33,74  |
| 5/16"        | ZKI05                 | 70,70  |
| 3/8"         | ZKI06                 | 36,37  |
| 1/2"         | ZKI08                 | 49,87  |
| 5/8"         | ZKI10                 | *      |
| 3/4"         | ZKI12                 | 119,02 |
| 1"           | ZKI16                 | 206,49 |
| 6            | ZKI06M                | 32,01  |
| 8            | ZKI08M                | 33,94  |
| 10           | ZKI10M                | 38,18  |
| 12           | ZKI12M                | 50,27  |
| 14           | ZKI14M                | 103,03 |
| 15           | ZKI15M                | 136,35 |
| 16           | ZKI16M                | 164,84 |
| 18           | ZKI18M                | 88,81  |
| 20           | ZKI20M                | 128,46 |
| 22           | ZKI22M                | 204,00 |
| 25           | ZKI25M                | 206,27 |

## Equal elbow coupling

Racor unión en codo tubo - tubo

Winkel-Verschraubungen (W)

Raccord coude égal



| TUBO<br>PIPE | Referencia<br>Part n° | €      |
|--------------|-----------------------|--------|
| 1/8"         | ZKL02                 | 35,74  |
| 1/4"         | ZKL04                 | 36,67  |
| 5/16"        | ZKL05                 | *      |
| 3/8"         | ZKL06                 | 43,13  |
| 1/2"         | ZKL08                 | 57,66  |
| 5/8"         | ZKL10                 | *      |
| 3/4"         | ZKL12                 | 104,85 |
| 1"           | ZKL16                 | 190,70 |
| 6            | ZKL06M                | 38,95  |
| 8            | ZKL08M                | 44,32  |
| 10           | ZKL10M                | 46,04  |
| 12           | ZKL12M                | 56,35  |
| 14           | ZKL14M                | *      |
| 15           | ZKL15M                | 179,75 |
| 16           | ZKL16M                | 154,32 |
| 18           | ZKL18M                | 138,30 |
| 20           | ZKL20M                | 184,80 |
| 22           | ZKL22M                | 183,51 |
| 25           | ZKL25M                | 190,22 |

## Straight reducing coupling

Racor unión recta en reducción tubo - tubo

Gerade Reduzierverschraubungen (GR)

Raccord union double en réduction



| TUBO<br>PIPE |      | Referencia<br>Part n° | €      |
|--------------|------|-----------------------|--------|
| 1/4"         | 1/8" | ZKI0402               | 31,68  |
| 5/16"        | 1/4" | ZKI0504               | *      |
| 3/8"         | 1/8" | ZKI0602               | 32,32  |
| 3/8"         | 1/4" | ZKI0604               | 32,88  |
| 1/2"         | 1/4" | ZKI0804               | 41,60  |
| 1/2"         | 3/8" | ZKI0806               | 43,32  |
| 5/8"         | 3/8" | ZKI1006               | *      |
| 5/8"         | 1/2" | ZKI1008               | *      |
| 3/4"         | 1/4" | ZKI1204               | 102,19 |
| 3/4"         | 3/8" | ZKI1206               | 105,02 |
| 3/4"         | 1/2" | ZKI1208               | 103,75 |
| 1"           | 1/2" | ZKI1608               | 166,40 |
| 1"           | 3/4" | ZKI1612               | 171,78 |
| 6            | 3    | ZKI06M03M             | *      |
| 8            | 6    | ZKI08M06M             | 32,88  |
| 10           | 6    | ZKI10M06M             | 33,49  |
| 10           | 8    | ZKI10M08M             | 34,60  |
| 12           | 6    | ZKI12M06M             | 41,60  |
| 12           | 8    | ZKI12M08M             | 43,32  |
| 12           | 10   | ZKI12M10M             | 44,43  |
| 16           | 12   | ZKI16M12M             | 89,42  |
| 18           | 12   | ZKI18M12M             | 65,15  |
| 25           | 18   | ZKI25M18M             | 137,74 |
| 25           | 20   | ZKI25M20M             | 146,85 |

## Equal Tee

Racor unión en T tubo - tubo

T-Verschraubungen (T)

Raccord Té égal



| TUBO<br>PIPE | Referencia<br>Part n° | €      |
|--------------|-----------------------|--------|
| 1/8"         | ZKT02                 | 52,87  |
| 1/4"         | ZKT04                 | 54,15  |
| 5/16"        | ZKT05                 | *      |
| 3/8"         | ZKT06                 | 63,76  |
| 1/2"         | ZKT08                 | 83,86  |
| 5/8"         | ZKT10                 | *      |
| 3/4"         | ZKT12                 | 221,10 |
| 1"           | ZKT16                 | 285,80 |
| 6            | ZKT06M                | 54,04  |
| 8            | ZKT08M                | 62,77  |
| 10           | ZKT10M                | 66,43  |
| 12           | ZKT12M                | 83,92  |
| 14           | ZKT14M                | *      |
| 15           | ZKT15M                | 208,55 |
| 16           | ZKT16M                | 272,64 |
| 18           | ZKT18M                | 166,45 |
| 20           | ZKT20M                | 264,75 |
| 22           | ZKT22M                | 249,82 |
| 25           | ZKT25M                | 285,14 |

## Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK  
Verschraubungen für Doppelklemmring TrΔle® LOK  
Raccords double bague TrΔle® LOK

### Equal cross

Racor unión en cruz tubo - tubo

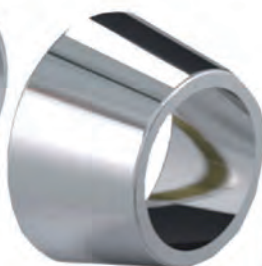
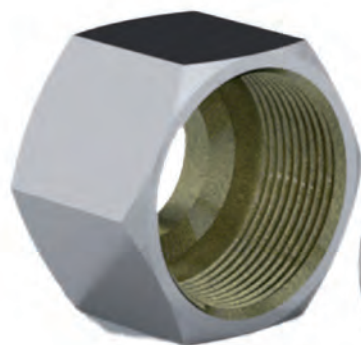
Kreuz-Verschraubungen (K)

Raccord croix égale



| TUBO<br>PIPE | Referencia<br>Part n° | €      |
|--------------|-----------------------|--------|
| 1/8"         | ZKC02                 | 111,97 |
| 1/4"         | ZKC04                 | 85,09  |
| 5/16"        | ZKC05                 | *      |
| 3/8"         | ZKC06                 | 128,63 |
| 1/2"         | ZKC08                 | 160,73 |
| 6            | ZKC06M                | 97,36  |
| 8            | ZKC08M                | 157,51 |
| 10           | ZKC10M                | *      |
| 12           | ZKC12M                | 161,12 |

## ■ TrΔle® Lok SERIES



**Conexión libre de fugas**  
Apta para entornos agresivos

**Excellent tight sealing**  
Tube- gripping action

Twin Ferrule Fittings TrAle® LOK

Racor Doble Anillo TrAle® LOK

Verschraubungen für Doppelklemmring TrAle® LOK

Raccords double bague TrAle® LOK

Straight male stud coupling NPT

Racor recto rosca cónica NPT

Gerade Einschraubverschr. NPT - GE -NPT

Raccord union simple mâle NPT



Straight male stud coupling BSPT

Racor recto rosca cónica BSPT

Gerade Einschraubverschr. kegelig - GE-BSPT

Raccord union simple mâle conique BSPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 1/16"        | 1/8"            | ZKIMP0102             | *      |
| 1/8"         | 1/16"           | ZKIMP0201             | 24,99  |
| 1/8"         | 1/8"            | ZKIMP0202             | 17,83  |
| 1/8"         | 1/4"            | ZKIMP0204             | 18,44  |
| 1/8"         | 3/8"            | ZKIMP0206             | 19,83  |
| 1/8"         | 1/2"            | ZKIMP0208             | 23,94  |
| 1/4"         | 1/8"            | ZKIMP0402             | 18,38  |
| 1/4"         | 1/4"            | ZKIMP0404             | 19,00  |
| 1/4"         | 3/8"            | ZKIMP0406             | 20,71  |
| 1/4"         | 1/2"            | ZKIMP0408             | 24,38  |
| 3/8"         | 1/8"            | ZKIMP0602             | 20,88  |
| 3/8"         | 1/4"            | ZKIMP0604             | 22,15  |
| 3/8"         | 3/8"            | ZKIMP0606             | 22,62  |
| 3/8"         | 1/2"            | ZKIMP0608             | 25,37  |
| 3/8"         | 3/4"            | ZKIMP0612             | 34,66  |
| 3/8"         | 1"              | ZKIMP0616             | 86,42  |
| 1/2"         | 1/8"            | ZKIMP0802             | 30,88  |
| 1/2"         | 1/4"            | ZKIMP0804             | 30,88  |
| 1/2"         | 3/8"            | ZKIMP0806             | 30,88  |
| 1/2"         | 1/2"            | ZKIMP0808             | 32,54  |
| 1/2"         | 3/4"            | ZKIMP0812             | 45,99  |
| 3/4"         | 3/8"            | ZKIMP1206             | 60,21  |
| 3/4"         | 1/2"            | ZKIMP1208             | 61,76  |
| 3/4"         | 3/4"            | ZKIMP1212             | 70,65  |
| 3/4"         | 1/4"            | ZKIMP1216             | 77,59  |
| 1"           | 1/2"            | ZKIMP1608             | 101,97 |
| 1"           | 3/4"            | ZKIMP1612             | 104,69 |
| 1"           | 1"              | ZKIMP1616             | 108,73 |
| 6            | 1/8"            | ZKIMP06M02            | 18,55  |
| 6            | 1/4"            | ZKIMP06M04            | 19,17  |
| 6            | 3/8"            | ZKIMP06M06            | 20,38  |
| 6            | 1/2"            | ZKIMP06M08            | 24,16  |
| 8            | 1/8"            | ZKIMP08M02            | 19,83  |
| 8            | 1/4"            | ZKIMP08M04            | 21,14  |
| 8            | 3/8"            | ZKIMP08M06            | 21,27  |
| 8            | 1/2"            | ZKIMP08M08            | 26,67  |
| 10           | 1/8"            | ZKIMP10M02            | 23,27  |
| 10           | 1/4"            | ZKIMP10M04            | 23,77  |
| 10           | 3/8"            | ZKIMP10M06            | 23,77  |
| 10           | 1/2"            | ZKIMP10M08            | 28,27  |
| 10           | 3/4"            | ZKIMP10M12            | 46,88  |
| 12           | 1/4"            | ZKIMP12M04            | 31,32  |
| 12           | 3/8"            | ZKIMP12M06            | 31,08  |
| 12           | 1/2"            | ZKIMP12M08            | 33,30  |
| 14           | 3/8"            | ZKIMP14M06            | 87,36  |
| 14           | 1/2"            | ZKIMP14M08            | *      |
| 15           | 1/2"            | ZKIMP15M08            | 62,37  |
| 16           | 1/4"            | ZKIMP16M04            | *      |
| 16           | 3/8"            | ZKIMP16M06            | 87,36  |
| 16           | 1/2"            | ZKIMP16M08            | 89,36  |
| 16           | 3/4"            | ZKIMP16M12            | *      |
| 18           | 1/2"            | ZKIMP18M08            | 65,89  |
| 18           | 3/4"            | ZKIMP18M12            | 80,44  |
| 22           | 3/4"            | ZKIMP22M12            | *      |
| 22           | 1"              | ZKIMP22M16            | *      |
| 25           | 1/2"            | ZKIMP25M08            | 101,19 |
| 25           | 3/4"            | ZKIMP25M12            | 104,52 |
| 25           | 1"              | ZKIMP25M16            | 107,80 |

| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 1/8          | 1/8"            | ZKIM0202              | 17,83  |
| 1/8          | 1/4"            | ZKIM0204              | 18,44  |
| 1/4"         | 1/8             | ZKIM0402              | 18,22  |
| 1/4"         | 1/4"            | ZKIM0404              | 19,38  |
| 1/4"         | 3/8"            | ZKIM0406              | 20,22  |
| 1/4"         | 1/2"            | ZKIM0408              | 24,38  |
| 3/8"         | 1/8"            | ZKIM0602              | 20,88  |
| 3/8"         | 1/4"            | ZKIM0604              | 22,94  |
| 3/8"         | 3/8"            | ZKIM0606              | 23,83  |
| 3/8"         | 1/2"            | ZKIM0608              | 25,22  |
| 3/8"         | 3/4"            | ZKIM0612              | 40,49  |
| 1/2"         | 1/4"            | ZKIM0804              | 30,88  |
| 5/8"         | 1/2"            | NEW ZKIM1008          | 111,89 |
| 1/2"         | 3/8"            | ZKIM0806              | 30,88  |
| 1/2"         | 1/2"            | ZKIM0808              | 32,49  |
| 1/2"         | 3/4"            | ZKIM0812              | 47,21  |
| 3/4"         | 3/4"            | ZKIM1212              | 70,65  |
| 3/4"         | 1"              | ZKIM1216              | 77,59  |
| 1"           | 3/4"            | ZKIM1612              | 104,69 |
| 6            | 1/8"            | ZKIM06M02             | 18,55  |
| 6            | 1/4"            | ZKIM06M04             | 18,83  |
| 6            | 3/8"            | ZKIM06M06             | 20,38  |
| 6            | 1/2"            | ZKIM06M08             | 24,16  |
| 8            | 1/8"            | ZKIM08M02             | 19,83  |
| 8            | 1/4"            | ZKIM08M04             | 20,16  |
| 8            | 3/8"            | ZKIM08M06             | 21,27  |
| 8            | 1/2"            | ZKIM08M08             | 26,10  |
| 10           | 1/8"            | ZKIM10M02             | 23,27  |
| 10           | 1/4"            | ZKIM10M04             | 23,77  |
| 10           | 3/8"            | ZKIM10M06             | 24,32  |
| 10           | 1/2"            | ZKIM10M08             | 27,35  |
| 12           | 1/4"            | NEW ZKIM12M04         | 30,56  |
| 12           | 3/8"            | ZKIM12M06             | 30,94  |
| 12           | 1/2"            | ZKIM12M08             | 32,84  |
| 16           | 1/4"            | ZKIM16M04             | *      |
| 16           | 3/8"            | ZKIM16M06             | *      |
| 16           | 1/2"            | ZKIM16M08             | 106,02 |
| 16           | 3/4"            | ZKIM16M12             | *      |
| 18           | 1/2"            | ZKIM18M08             | 63,70  |
| 18           | 3/4"            | ZKIM18M12             | 68,31  |
| 22           | 3/4"            | ZKIM22M12             | 135,29 |
| 22           | 1"              | ZKIM22M16             | *      |
| 25           | 3/4"            | ZKIM25M12             | 104,52 |
| 25           | 1"              | ZKIM25M16             | 107,80 |
| 25           | 1/2"            | ZKIM25M08             | 101,19 |



# Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK  
Verschraubungen für Doppelklemmring TrΔle® LOK  
Raccords double bague TrΔle® LOK

## Male stud elbow NPT

Racor en codo rosca cónica NPT

W-Einschraubversch. NPT - WE-NPT kon

Raccord union coude mâle NPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 1/8"         | 1/8"            | ZKLMP0202             | 25,97  |
| 1/8"         | 1/4"            | ZKLMP0204             | 26,56  |
| 1/8"         | 3/8"            | ZKLMP0206             | 29,35  |
| 1/4"         | 1/8"            | ZKLMP0402             | 26,35  |
| 1/4"         | 1/4"            | ZKLMP0404             | 28,22  |
| 1/4"         | 3/8"            | ZKLMP0406             | 29,35  |
| 1/4"         | 1/2"            | ZKLMP0408             | 36,43  |
| 3/8"         | 1/8"            | ZKLMP0602             | 30,91  |
| 3/8"         | 1/4"            | ZKLMP0604             | 30,91  |
| 3/8"         | 3/8"            | ZKLMP0606             | 30,91  |
| 3/8"         | 1/2"            | ZKLMP0608             | 39,15  |
| 3/8"         | 3/4"            | ZKLMP0612             | 61,12  |
| 1/2"         | 1/4"            | ZKLMP0804             | 40,51  |
| 1/2"         | 3/8"            | ZKLMP0806             | 40,51  |
| 1/2"         | 1/2"            | ZKLMP0808             | 43,19  |
| 3/4"         | 1/2"            | ZKLMP1208             | 79,74  |
| 3/4"         | 3/4"            | ZKLMP1212             | 82,53  |
| 1"           | 3/4"            | ZKLMP1612             | 135,81 |
| 1"           | 1"              | ZKLMP1616             | 135,81 |
| 16           | 1/4"            | ZKLMP16M04            | *      |
| 16           | 3/8"            | ZKLMP16M06            | 133,18 |
| 6            | 1/8"            | ZKLMP06M02            | 26,35  |
| 6            | 1/4"            | ZKLMP06M04            | 28,17  |
| 16           | 1/2"            | ZKLMP16M08            | *      |
| 16           | 3/4"            | ZKLMP16M12            | *      |
| 6            | 3/8"            | ZKLMP06M06            | 29,35  |
| 6            | 1/2"            | ZKLMP06M08            | 37,13  |
| 8            | 1/8"            | ZKLMP08M02            | 31,18  |
| 8            | 1/4"            | ZKLMP08M04            | 29,50  |
| 8            | 3/8"            | ZKLMP08M06            | 29,67  |
| 8            | 1/2"            | ZKLMP08M08            | 38,10  |
| 10           | 1/8"            | ZKLMP10M02            | 33,54  |
| 10           | 1/4"            | ZKLMP10M04            | 33,54  |
| 10           | 3/8"            | ZKLMP10M06            | 33,54  |
| 10           | 1/2"            | ZKLMP10M08            | 38,53  |
| 12           | 1/4"            | ZKLMP12M04            | 40,24  |
| 12           | 3/8"            | ZKLMP12M06            | 40,24  |
| 12           | 1/2"            | ZKLMP12M08            | 43,23  |
| 12           | 3/4"            | ZKLMP12M12            | 63,91  |
| 18           | 1/2"            | ZKLMP18M08            | 75,60  |
| 18           | 3/4"            | ZKLMP18M12            | 81,02  |
| 22           | 3/4"            | ZKLMP22M12            | *      |
| 22           | 1"              | ZKLMP22M16            | *      |
| 25           | 3/4"            | ZKLMP25M12            | 135,65 |
| 25           | 1"              | ZKLMP25M16            | 135,65 |

## Male stud elbow BSPT

Racor en codo rosca cónica BSPT

W-Einschraubversch. BSPT kon. - WE-R (KEG)

Raccord union coude mâle gaz conique



| TUBO<br>PIPE | ROSCA<br>THREAD |     | Referencia<br>Part n° | €      |
|--------------|-----------------|-----|-----------------------|--------|
| 1/4"         | 1/8"            | NEW | ZKLM0402              | 26,35  |
| 1/4"         | 1/4"            |     | ZKLM0404              | 27,69  |
| 1/4"         | 3/8"            |     | ZKLM0406              | 30,16  |
| 1/4"         | 1/2"            |     | ZKLM0408              | 37,48  |
| 3/8"         | 1/4"            | NEW | ZKLM0604              | 30,87  |
| 3/8"         | 3/8"            |     | ZKLM0606              | 31,75  |
| 3/8"         | 1/2"            |     | ZKLM0608              | 43,53  |
| 1/2"         | 1/4"            | NEW | ZKLM0804              | 40,48  |
| 1/2"         | 3/8"            | NEW | ZKLM0806              | 40,48  |
| 1/2"         | 1/2"            |     | ZKLM0808              | 48,58  |
| 6            | 1/4"            |     | ZKLM06M04             | 27,63  |
| 6            | 1/2"            |     | ZKLM06M08             | 41,83  |
| 8            | 1/8"            | NEW | ZKLM08M02             | 29,09  |
| 8            | 1/4"            | NEW | ZKLM08M04             | 29,09  |
| 8            | 3/8"            |     | ZKLM08M06             | 30,51  |
| 8            | 1/2"            |     | ZKLM08M08             | 39,19  |
| 10           | 1/8"            | NEW | ZKLM10M02             | 33,52  |
| 10           | 1/4"            |     | ZKLM10M04             | 49,99  |
| 10           | 3/8"            |     | ZKLM10M06             | 34,47  |
| 10           | 1/2"            |     | ZKLM10M08             | 43,35  |
| 12           | 1/4"            | NEW | ZKLM12M04             | 40,23  |
| 12           | 3/8"            |     | ZKLM12M06             | 64,98  |
| 12           | 1/2"            | NEW | ZKLM12M08             | 42,82  |
| 16           | 1/4"            |     | ZKLM16M04             | *      |
| 16           | 3/8"            |     | ZKLM16M06             | *      |
| 16           | 1/2"            |     | ZKLM16M08             | *      |
| 16           | 3/4"            |     | ZKLM16M12             | *      |
| 22           | 3/4"            |     | ZKLM22M12             | 181,47 |
| 22           | 1"              |     | ZKLM22M16             | *      |

Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK

Verschraubungen für Doppelklemmring TrΔle® LOK

Raccords double bague TrΔle® LOK

Male stud branch TEE NPT

Racor en T rosca cónica NPT

T-Einschraubverschr. NPT (T-NPT)

Raccord TÉ mâle NPT au centre



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 1/8"         | 1/8"            | ZKTMP0202             | 52,32 |
| 1/8"         | 1/4"            | ZKTMP0204             | 56,21 |
| 1/4"         | 1/8"            | ZKTMP0402             | 52,48 |
| 1/4"         | 1/4"            | ZKTMP0404             | 56,21 |
| 3/8"         | 1/4"            | ZKTMP0604             | 64,26 |
| 3/8"         | 3/8"            | ZKTMP0606             | *     |
| 1/2"         | 3/8"            | ZKTMP0806             | 81,98 |
| 1/2"         | 1/2"            | ZKTMP0808             | 92,64 |
| 6            | 1/8"            | ZKTMP06M02            | 52,04 |
| 6            | 1/4"            | ZKTMP06M04            | 57,26 |
| 8            | 1/8"            | ZKTMP08M02            | 62,82 |
| 8            | 1/4"            | ZKTMP08M04            | 62,82 |
| 10           | 1/4"            | ZKTMP10M04            | 65,15 |
| 10           | 3/8"            | ZKTMP10M06            | 90,08 |
| 12           | 1/4"            | ZKTMP12M04            | 90,08 |
| 12           | 3/8"            | ZKTMP12M06            | 90,08 |
| 12           | 1/2"            | ZKTMP12M08            | 90,08 |

Male stud barrel TEE NPT

Racor en L rosca cónica NPT

L Einschraubverschraubung NPT

Raccord Té mâle NPT latéral Inox



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 1/8"         | 1/8"            | ZKTLMP0202            | 56,21 |
| 1/8"         | 1/4"            | ZKTLMP0204            | 56,21 |
| 1/4"         | 1/8"            | ZKTLMP0402            | 59,76 |
| 1/4"         | 1/4"            | ZKTLMP0404            | 59,76 |
| 3/8"         | 1/4"            | ZKTLMP0604            | 62,54 |
| 3/8"         | 3/8"            | ZKTLMP0606            | 66,31 |
| 1/2"         | 3/8"            | ZKTLMP0806            | 80,48 |
| 1/2"         | 1/2"            | ZKTLMP0808            | 86,92 |
| 6            | 1/8"            | ZKTLMP06M02           | 56,21 |
| 6            | 1/4"            | ZKTLMP06M04           | 67,43 |
| 8            | 1/8"            | ZKTLMP08M02           | 61,32 |
| 8            | 1/4"            | ZKTLMP08M04           | 61,32 |
| 10           | 1/4"            | ZKTLMP10M04           | 63,65 |
| 10           | 1/2"            | ZKTLMP10M08           | 77,03 |
| 12           | 1/4"            | ZKTLMP12M04           | 79,31 |
| 12           | 3/8"            | ZKTLMP12M06           | 79,31 |
| 12           | 1/2"            | ZKTLMP12M08           | 85,70 |

Straight bulkhead coupling

Racor recto pasatabique con tuerca

Gerade Schottverschraubung

Raccord droit union double passe cloison avec écrou



| TUBO<br>PIPE | Referencia<br>Part n° | €      |
|--------------|-----------------------|--------|
| 1/8"         | ZKIB02                | 36,43  |
| 1/4"         | ZKIB04                | 39,27  |
| 5/16"        | ZKIB05                | *      |
| 3/8"         | ZKIB06                | 63,09  |
| 1/2"         | ZKIB08                | 64,54  |
| 5/8"         | ZKIB10                | *      |
| 3/4"         | ZKIB12                | 150,84 |
| 1"           | ZKIB16                | 275,53 |
| 6            | ZKIB06M               | 65,43  |
| 8            | ZKIB08M               | 60,15  |
| 10           | ZKIB10M               | 68,87  |
| 12           | ZKIB12M               | 87,53  |
| 15           | ZKIB15M               | 122,85 |
| 16           | ZKIB16M               | 123,85 |
| 18           | ZKIB18M               | *      |
| 20           | ZKIB20M               | 216,83 |
| 25           | ZKIB25M               | 313,46 |

Straight bulkhead coupling- NPT

Racor recto - NPT pasatabique con tuerca

Gerade Schottkupplung - NPT

Raccord droit union double passe cloison avec écrou - NPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 1/8"         | 1/8"            | ZKIBP0202             | 34,49  |
| 1/4"         | 1/4"            | ZKIBP0404             | 35,88  |
| 3/8"         | 3/8"            | ZKIBP0606             | 41,27  |
| 1/2"         | 1/2"            | ZKIBP0808             | 56,76  |
| 3/4"         | 3/4"            | ZKIBP1212             | 70,70  |
| 1"           | 1"              | ZKIBP1616             | 239,93 |
| 6            | 1/8"            | ZKIBP06M02            | 38,38  |
| 8            | 1/4"            | ZKIBP08M04            | 38,38  |
| 10           | 3/8"            | ZKIBP10M06            | 41,71  |
| 12           | 1/2"            | ZKIBP12M08            | 58,32  |

## Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK  
Verschraubungen für Doppelklemmring TrΔle® LOK  
Raccords double bague TrΔle® LOK

### Female stud coupling NPT

Racor recto hembra rosca NPT

Einschraubkupplung NPT

Raccord union simple femelle NPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €      |
|--------------|-----------------|-----------------------|--------|
| 1/8"         | 1/8"            | ZKIHP0202             | 19,88  |
| 1/8"         | 1/4"            | ZKIHP0204             | 21,83  |
| 1/8"         | 3/8"            | ZKIHP0206             | 24,05  |
| 1/8"         | 1/2"            | ZKIHP0208             | 27,83  |
| 1/4"         | 1/8"            | ZKIHP0402             | 21,05  |
| 1/4"         | 1/4"            | ZKIHP0404             | 23,05  |
| 1/4"         | 3/8"            | ZKIHP0406             | 24,49  |
| 1/4"         | 1/2"            | ZKIHP0408             | 29,55  |
| 3/8"         | 1/8"            | ZKIHP0602             | 23,05  |
| 3/8"         | 1/4"            | ZKIHP0604             | 24,60  |
| 3/8"         | 3/8"            | ZKIHP0606             | 26,49  |
| 3/8"         | 1/2"            | ZKIHP0608             | 31,66  |
| 3/8"         | 3/4"            | ZKIHP0612             | 56,59  |
| 1/2"         | 1/8"            | ZKIHP0802             | 30,71  |
| 1/2"         | 1/4"            | ZKIHP0804             | 30,71  |
| 1/2"         | 3/8"            | ZKIHP0806             | 31,77  |
| 1/2"         | 1/2"            | ZKIHP0808             | 37,10  |
| 5/8"         | 1/2"            | ZKIHP1008             | *      |
| 3/4"         | 1/2"            | ZKIHP1208             | 59,70  |
| 3/4"         | 3/4"            | ZKIHP1212             | 104,14 |
| 1"           | 3/4"            | ZKIHP1612             | 99,53  |
| 1"           | 1"              | ZKIHP1616             | 165,01 |
| 6            | 1/8"            | ZKIHP06M02            | 21,41  |
| 6            | 1/4"            | ZKIHP06M04            | 22,88  |
| 6            | 3/8"            | ZKIHP06M06            | 24,44  |
| 6            | 1/2"            | ZKIHP06M08            | 30,21  |
| 8            | 1/8"            | ZKIHP08M02            | 23,94  |
| 8            | 1/4"            | ZKIHP08M04            | 23,94  |
| 8            | 3/8"            | ZKIHP08M06            | 25,44  |
| 8            | 1/2"            | ZKIHP08M08            | 30,82  |
| 10           | 1/4"            | ZKIHP10M04            | 25,16  |
| 10           | 3/8"            | ZKIHP10M06            | 26,77  |
| 10           | 1/2"            | ZKIHP10M08            | 32,05  |
| 12           | 1/4"            | ZKIHP12M04            | 31,27  |
| 12           | 3/8"            | ZKIHP12M06            | 31,27  |
| 12           | 1/2"            | ZKIHP12M08            | 36,49  |
| 16           | 1/2"            | ZKIHP16M08            | *      |
| 20           | 3/4"            | ZKIHP20M12            | 88,69  |
| 22           | 3/4"            | ZKIHP22M12            | 148,46 |
| 25           | 3/4"            | ZKIHP25M12            | 101,19 |
| 25           | 1"              | ZKIHP25M16            | 111,47 |
| 2"           | 2"              | ZKIHP3232             | *      |

### Female stud coupling BSPT

Racor recto hembra rosca BSPT

Einschraubkupplung BSPT

Raccord union simple femelle BSPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 1/4"         | 1/4"            | ZKIHP0404             | 23,05 |
| 1/2"         | 1/4"            | ZKIHP0804             | 30,71 |
| 1/2"         | 1/2"            | ZKIHP0808             | 37,10 |
| 6            | 1/8"            | ZKIHP06M02            | 20,88 |
| 6            | 1/4"            | ZKIHP06M04            | 22,88 |
| 8            | 1/4"            | ZKIHP08M04            | 23,94 |
| 8            | 1/2"            | ZKIHP08M08            | 30,82 |
| 10           | 1/4"            | ZKIHP10M04            | 25,16 |
| 20           | 3/4"            | ZKIHP20M12            | 87,20 |

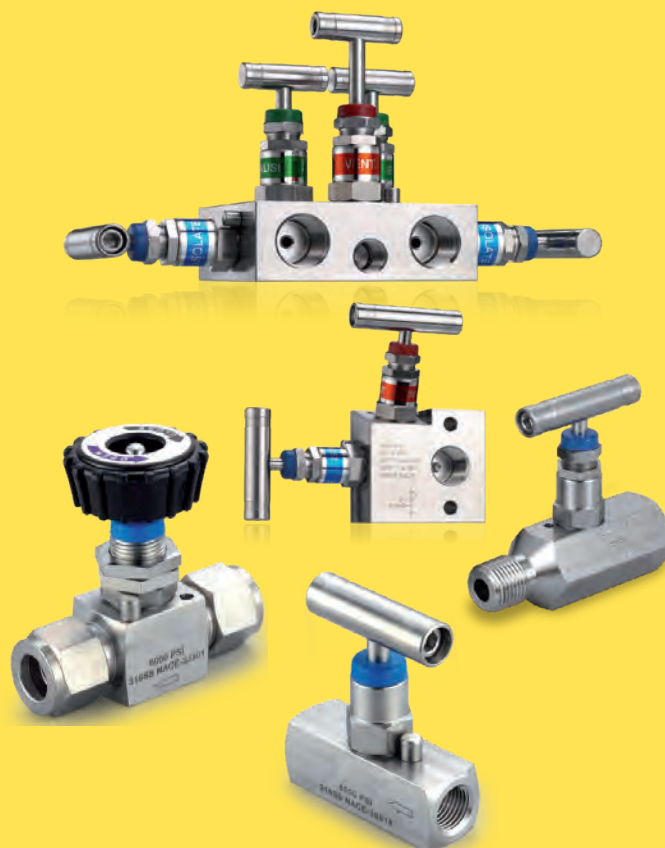
NEW

\*On request / Consultar / Auf Anfrage / Sur demande

## Válvulas de instrumentación

Válvulas de aguja, Manifold, Antirretornos y  
Válvulas limitadoras de presión

*BAJO CONSULTA*



## Instrument Valve

Needle Valve, Manifold,  
Check and Proportional Relief Valve

*ON REQUEST*

DICSA

Twin Ferrule Fittings TrΔle® LOK

Racor Doble Anillo TrΔle® LOK

Verschraubungen für Doppelklemmring TrΔle® LOK

Raccords double bague TrΔle® LOK

UNF plug closure

Tapón de cierre hembra UNF

UNF Verschlusskappe

Bouchon de fermeture Femelle UNF



| TUBO<br>PIPE | Referencia<br>Part n° | €     |
|--------------|-----------------------|-------|
| 1/8"         | ZKOH02                | 13,33 |
| 1/4"         | ZKOH04                | 14,86 |
| 5/16"        | ZKOH05                | 14,77 |
| 3/8"         | ZKOH06                | 16,86 |
| 1/2"         | ZKOH08                | 20,97 |
| 5/8"         | ZKOH10                | 31,05 |
| 3/4"         | ZKOH12                | 42,15 |
| 1"           | ZKOH16                | 61,37 |
| 6            | ZKOH06M               | 16,88 |
| 8            | ZKOH08M               | 15,15 |
| 10           | ZKOH10M               | 16,55 |
| 12           | ZKOH12M               | 19,72 |
| 14           | ZKOH14M               | 26,66 |
| 15           | ZKOH15M               | 29,49 |
| 16           | ZKOH16M               | 29,82 |
| 18           | ZKOH18M               | 33,38 |
| 20           | ZKOH20M               | 41,10 |
| 22           | ZKOH22M               | 42,65 |
| 25           | ZKOH25M               | 55,65 |

UNF cap hexagon

Tapón hexagonal macho UNF

UNF-Sechskantstecker

Bouchon mâle hexagonale UNF



| TUBO<br>PIPE | Referencia<br>Part n° | €      |
|--------------|-----------------------|--------|
| 1/8"         | ZKOM02                | 21,61  |
| 1/4"         | ZKOM04                | 26,38  |
| 5/16"        | ZKOM05                | 30,27  |
| 3/8"         | ZKOM06                | 24,83  |
| 1/2"         | ZKOM08                | 42,10  |
| 5/8"         | ZKOM10                | 53,10  |
| 3/4"         | ZKOM12                | 76,75  |
| 1"           | ZKOM16                | 120,80 |
| 6            | ZKOM06M               | 16,05  |
| 8            | ZKOM08M               | 17,45  |
| 10           | ZKOM10M               | 19,36  |
| 12           | ZKOM12M               | 38,93  |
| 14           | ZKOM14M               | 48,82  |
| 15           | ZKOM15M               | 49,04  |
| 16           | ZKOM16M               | 51,60  |
| 18           | ZKOM18M               | 58,26  |
| 20           | ZKOM20M               | 69,53  |
| 22           | ZKOM22M               | 72,15  |
| 25           | ZKOM25M               | 90,58  |

Tube end reducer

Racor de Reducción tubo

Reduzier-Verschraubung

Raccord de réduction



| TUBO<br>PIPE |      | Referencia<br>Part n° | €     |
|--------------|------|-----------------------|-------|
| 1/4"         | 1/8" | ZKIA0402              | 28,83 |
| 3/8"         | 1/4" | ZKIA0604              | 43,06 |
| 1/2"         | 3/8" | ZKIA0806              | 44,65 |
| 3/4"         | 1/2" | ZKIA1208              | 84,31 |
| 8            | 6    | ZKIA08M06M            | 31,60 |
| 10           | 8    | ZKIA10M08M            | 35,66 |
| 12           | 10   | ZKIA12M10M            | 44,88 |
| 16           | 12   | ZKIA16M12M            | *     |

Male NPT adaptor

Adaptador macho NPT

NPT-Steckeradapter

Adapteur Mâle NPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 1/8"         | 1/8"            | ZKIAMP0202            | 9,83  |
| 1/4"         | 1/4"            | ZKIAMP0404            | 11,27 |
| 3/8"         | 3/8"            | ZKIAMP0606            | 13,94 |
| 1/2"         | 1/2"            | ZKIAMP0808            | 21,83 |
| 6            | 1/8"            | ZKIAMP06M02           | 10,66 |
| 8            | 1/4"            | ZKIAMP08M04           | 11,27 |
| 10           | 1/4"            | ZKIAMP10M04           | 13,72 |
| 10           | 3/8"            | ZKIAMP10M06           | 14,83 |
| 10           | 1/2"            | ZKIAMP10M08           | 24,22 |
| 12           | 1/2"            | ZKIAMP12M08           | 21,27 |

Female NPT adaptor

Adaptador hembra NPT

NPT-Adapterbuchse

Adapteur Femelle NPT



| TUBO<br>PIPE | ROSCA<br>THREAD | Referencia<br>Part n° | €     |
|--------------|-----------------|-----------------------|-------|
| 1/8"         | 1/8"            | ZKIAHP0202            | 12,05 |
| 1/4"         | 1/4"            | ZKIAHP0404            | 16,05 |
| 3/8"         | 3/8"            | ZKIAHP0606            | 20,49 |
| 1/2"         | 1/2"            | ZKIAHP0808            | 31,44 |
| 6            | 1/8"            | ZKIAHP06M02           | 12,05 |
| 8            | 1/4"            | ZKIAHP08M04           | 15,94 |
| 10           | 3/8"            | ZKIAHP10M06           | 20,16 |
| 12           | 1/2"            | ZKIAHP12M08           | 31,27 |

# DESCUBRE nuestras TARIFAS GENERALES de **PRECIOS**

**DICSA**  
GROWING UP TOGETHER



Conducciones hidráulicas y neumáticas  
Hydraulic & Pneumatic Connectors



Componentes Hidráulicos y Neumáticos  
Hydraulic and Pneumatic Components

# REQUEST OUR GENERAL **PRICE** LIST

[www.dicsaes.com](http://www.dicsaes.com)



# General conditions of sale

## Condiciones de venta

### GENERAL TERMS

These conditions, together with the eventual specific conditions accorded in the contract, apply to all deliveries and all services. The purchase conditions of the customer, if different from those herein established, will not be part of the contract on having accepted the order.

The contracts are concluded, unless otherwise agreed upon by the Parties in writing, by means of written confirmation of the supplier. The General Conditions and / or Specific Conditions of Purchase of the Buyer, cannot, in no case, cancel or replace these General Conditions of Sale.

The acceptance of our offers implies tacitly the acceptance of all the conditions detailed herein, except the special ones that have the agreement in writing, particularly in the same offer or detailed in our accuse of receipt of order, the only documents that oblige us before the Customer. DICSA has the right of property and the right of intellectual property of samples, budgets, technical documentation and information in material or immaterial form as well as in electronic form; the access of third parties to these documents must be forbidden.

### OFFERS AND ORDERS

Except in case of having expressed the opposite, the prices include the merchandise placed in our store, including its loading, but without including the packing north the transport to the place of receipt, nor taxes, nor the getting started - these will always be at the expense of the customer. All the operations of transport, insurance, handling and delivery are on the account and risk of the Customer.

The offers include only the materials and products expressed in them, available in stock until end of stock, with the term of validity expressed in the same offers.

The studies or offers of material are based on the prices on the date the offer was made, and if, due to changes in the cost of the materials, modification of duties or to any other reason, the level of prices was checked, the prices that would be applied would be those that apply in the date of the delivery, unless the offer is accepted in the term of validity expressed in it.

The prices do not include, unless specific notification, the assembly and the getting started of the supplied materials, the fluids recommended by the technical services of the suppliers, the containers of the materials, as well as the study of the setting up of the different materials. DICSA may change the price, as a consequence of any law that concerns materials, wages, or the working hours, but also as a consequence of probable changes in the parity of the currency since it concerns the elements of import.

The orders will not be taken in consideration unless they are provided with the specific amount in our account, foreseen in our Offer, if this condition has been pre-established. The acceptance of the Offer will suppose equally the acceptance without reserve of these General Conditions of Sale.

### STUDIES, TECHNICAL DOCUMENTATION

The information related to the offer, as technical documentation, designs, drawings, catalogues and / or any other technical documentation, is only informative and they have as object to give a general image of the materials described in them, they do not form a part of the contract unless written agreement. DICSA will not accept any type of responsibility for inaccuracy or omission of the above mentioned documentation.

The Customer will always have to do a previous study of compatibility and of assembly of the elements in his installation and will be the only responsible for the putting in conformity of the above mentioned installation with the current regulations. In offers, drawings, schemes and other technical information, we reserve ourselves the right of property and of design, not allowing that these should be facilitated to third parties without our previous written assent.

DICSA retains the property of the supplied merchandise until full payment of the agreed price. DICSA also retains the property of the Product's project, which in no circumstances shall be disclosed or sold to third parties.

### THE ASSEMBLIES AT THE LOCATION (PLANT) OF THE CUSTOMER

The offers of the assemblies done for the customer, in his elected location of work, are considered as an estimate (approximate calculation), due to the particular and special characteristics that they can represent, not being able to give place, except final agreement between the parts, to final prices.

### REPAIRMENT

The works of repair will not begin until written acceptance, on the part of the Customer, of the offer and of the conditions established in it. Supposing that the offer is not accepted by the Customer within one month, the expenses derived from the disassembly, storage, survey and freightage will be chargeable to the Customer. If the Customer requests the repair before accepting the offer, the assemblies will be carried out as soon as possible and, for his part, the Customer will have to accept the final cost of the repair.

In case of delivery of new products in exchange for the repair, if this one was out of guarantee, the Customer will have to accept the payment corresponding to it. The budgets of repair are always as estimation and should not be considered as final prices.

### GENERALIDADES

Estas condiciones así como las eventuales condiciones especiales acordadas en el contrato rigen para todas las entregas y todas las prestaciones. Las condiciones de compra del cliente que sean distintas a las aquí establecidas no llegarán a formar parte del contrato al aceptar el pedido. Los contratos se celebran, salvo en el caso de que se haya acordado lo contrario, mediante confirmación escrita del proveedor. En ningún caso, las Condiciones Generales y/o Específicas de Compra del Comprador, anularán o sustituirán estas Condiciones Generales de Venta.

La aceptación de nuestras ofertas implica tácitamente la de todas las condiciones aquí detalladas, salvo las especiales acordadas por escrito, particularmente en la misma Oferta o detalladas en nuestro acuse de recepción de pedido, únicos documentos que nos obligan ante el Cliente.

DICSA se reserva el derecho de propiedad y el derecho de propiedad intelectual de muestras, presupuestos, planos e información en forma material o inmaterial así como en forma electrónica; el acceso de terceros a éstos ha de impedirse.

### OFERTAS Y PEDIDOS

Los precios se entienden, caso de no expresar lo contrario para mercadería situada en nuestro almacén, incluyendo el cargado de ésta, pero sin incluir el embalaje ni el transporte al lugar de recepción, ni impuestos -que serán siempre a cargo del comprador-, así como tampoco la puesta en marcha en el emplazamiento. Todas las operaciones de transporte, seguro, manutención y entrega son a cuenta y riesgo del Comprador.

Las ofertas incluyen solamente los materiales y artículos en ellas especificados disponibles en stock salvo agotamiento y por el plazo de validez determinado en las mismas.

Los estudios u ofertas de material están basados en los precios vigentes en la fecha de su realización, y si, debido a alteraciones en el coste de los materiales, modificación de aranceles o a cualquier otra causa, el nivel de precios fuese revisado, los precios que se aplicarían serían aquellos que rijan en la fecha del suministro, a menos que la oferta sea aceptada dentro del plazo de validez que en la misma se fije.

Los precios no incluyen, excepto notificación expresa, el montaje y la puesta en marcha de los materiales suministrados, los fluidos recomendados por los servicios técnicos de los fabricantes, los contenedores tanto rígidos como elásticos de los materiales, así como el estudio de implantación de los distintos materiales.

DICSA podrá variar el precio, como consecuencia de cualquier ley que afecte a materiales, salarios o a las horas de trabajo y también a posible cambios en la paridad de la moneda, en elementos de importación.

Los pedidos no serán tomados en consideración a menos que vengan acompañados de la cantidad a cuenta prevista en nuestra Oferta, si así se ha establecido.

La aceptación de la Oferta supondrá igualmente la aceptación sin reservas de estas Condiciones Generales de Venta.

### ESTUDIOS, PLANOS Y DISEÑOS

La información relacionada con la oferta, tal como planos, diseños, dibujos catálogos y/u otra documentación técnica, es solamente informativa y tienen como objeto dar una imagen general de los materiales en ellos descritos, no formando parte del contrato a menos que haya habido algún acuerdo por escrito. DICSA no aceptará ningún tipo de responsabilidad por la inexactitud u omisión de dicha documentación.

El Cliente deberá hacer siempre un estudio previo de compatibilidad y de montaje de los elementos en su instalación y será el único responsable de la puesta en conformidad de dicha instalación con las distintas reglamentaciones vigentes.

En presupuestos, planos, esquemas y otras informaciones técnicas, mantendremos reservado el derecho de propiedad y de realización, no permitiendo que estos sean facilitados a terceros sin nuestro previo consentimiento escrito.

DICSA se reserva el derecho de propiedad de la mercancía suministrada hasta el pago completo del precio establecido. DICSA se reserva el derecho de propiedad de los planos de la mercancía, que no serán facilitados ni vendidos a terceros en ningún caso.

### TRABAJOS IN SITU

Los presupuestos de los trabajos realizados en el lugar de la obra del cliente son considerados orientativos, debido a las características particulares y especiales que pueden representar, no pudiendo dar lugar, excepto acuerdo definitivo entre las partes, en precios definitivos.

### REPARACIÓN

Los trabajos de reparación no se empezarán hasta la aceptación escrita, por parte del Cliente, del presupuesto y de las condiciones que se establezcan.

En el supuesto de que el presupuesto no sea aceptado por el Cliente en el plazo de un mes, los gastos derivados del desmontaje, almacenaje, peritaje y portes correrán a cargo del Cliente. Si el Cliente solicita la reparación antes de aceptar el presupuesto, los trabajos se llevarán a cabo lo antes posible y, por su parte, el Cliente deberá aceptar el coste final de la reparación.



# General conditions of sale

## Condiciones de venta

### DELIVERY TERMS

DICSA saves itself the right to reject an order depending on the availability of the products. In this supposition, DICSA will communicate it to the Customer as promptly as possible.

The delivery time has to be approved by the contractual parts. The delivery time will be calculated from the date of receipt of the confirmation of the order, when DICSA will be able to proceed without any interruption. DICSA will not be responsible for the delays in the supply of all or in part of the goods in case of major force, such as natural catastrophes, legal limitations, strikes, etc., or any other reason beyond our control. In case of any of the reasons previously mentioned, the period of delivery will be extensible to the same period of time that lasts the reason that has motivated the delay. Nevertheless, if the period exceeds six months, DICSA may cancel the part that couldn't be sent, by previously notifying the Customer in writing.

We do our best to respect the delivery times that are indicated in our offers or in our order confirmations, though it is materially impossible to answer completely for the above mentioned fulfillment, since we depend on other suppliers and on unexpected circumstances totally foreign to our possible control. Won't be accepted any sanctions for the delay in the foreseen delivery.

### RIGHT OF PROPERTY

DICSA maintains the property of the materials (products) until the Customer makes the payment in full of the merchandise.

The Customer is responsible for taking the necessary actions to preserve in good condition the merchandise until it has been paid, must insure DICSA of the payment of the same one in case of having being sold to third persons by the Customer.

### WARRANTY

We won't attend any claim done after the 12 months following the delivery of the merchandise. Returned material will not be allowed without previous authorization or when the time between the purchase and the request for return exceeds 15 days.

In any case, all returned merchandise will have to be accompanied by a copy of our authorization and, providing that it is not for reasons attributable to DICSA, will carry a minimal surcharge of 20 % on the cost of the returned material, all the expenses will be charged to the customer. Concerning the faults that appear in the supplied products, DICSA will only accept as unique responsibility or obligation, the paying of the product or defective products providing that the products (merchandise) have been treated adequately and that the arisen faults are due to faults of material or manufacture.

The warranty includes the replacement or repair of the defective elements in our workshops. The warranty is understood always in relation with the presumably defective material deposited in our warehouse, but the costs of transport and the risk being at the expense of the Customer. The advices given before and post closing of the contract, are made with the best intention and according to our know-how, nevertheless DICSA does not assume any category of responsibilities in this regard, nor will answer of the eventual direct or indirect damages that could take place indistinctly, no matter who, where and why they may take place.

DICSA will not be responsible for any consequence or indirect damages occurred to the Customer, and / or third Parties including but not limited to loss of opportunities, business and incomes.

DICSA guarantees exclusively its own materials, excluding any responsibility for the effects or damages that these could provoke in facilities, equipments or conductions. In no case will take responsibility for accidents related to individuals or materials or for losses in fabrication.

The warranty excludes the breakdowns produced by badly use or deficient installation, breakdowns provoked by overloading of the equipments for experimental purposes, either for adjustment or testing. DICSA's total responsibility for the caused damages, independently of the type of action or theory of the responsibility, will not exceed the amount of the work done, installation or materials that have been object of the order to DICSA.

Any amount that exceeds the above mentioned quantity, and any amount that DICSA will have to support either for judicial, arbitral or similar decision, will be transmitted to the Customer until obtaining indemnity.

Will be excluded from this warranty:

- The use of facilities or services, which are different of those included in the manuals of instruction or in DICSA's specifications.
- The inadequate use of facilities or negligence of the Customer, his Assistants or Agents.
- The parts supplied by the Customer.

*En caso de entregarse productos nuevos a cambio de la reparación, si esta estuviera fuera de garantía el Cliente deberá aceptar el cargo correspondiente a la misma.*

*Los presupuestos de reparación siempre son orientativos y en ningún caso deben tomarse como precios finales.*

### PLAZOS DE ENTREGA

*DICSA se reserva la facultad de rechazar un pedido en función de la disponibilidad de los productos. En este supuesto, lo comunicara al comprador con la mayor brevedad posible.*

*El plazo de entrega será acordado por las partes contractuales. Los plazos de entrega se calcularán desde la fecha de recepción de la confirmación del pedido, pudiendo DICSA proceder sin interrupción alguna. DICSA no será responsable de las demoras en el suministro de toda o parte de la mercancía en el caso de fuerza mayor, tal como catástrofes naturales, limitaciones legales, huelgas, etc., o cualquier otra causa fuera de nuestro control. En el caso de darse alguna de las razones anteriormente citadas, el periodo de entrega se hará extensible al mismo período de tiempo que dure la causa que haya motivado el retraso. Sin embargo, si el período excediera de seis meses, DICSA podrá cancelar la parte no enviada notificando previamente por escrito al comprador.*

*Procuramos con el mayor interés, cumplir los plazos de entrega que se indican en nuestras ofertas o en nuestras confirmaciones de pedido, si bien es materialmente imposible responder plenamente de dicho cumplimiento, por depender de otros proveedores y de inesperadas circunstancias totalmente ajenas a nuestro posible control.*

*De ahí que no se aceptarán sanciones por demora en la entrega prevista.*

### DERECHO DE PROPIEDAD

*DICSA mantiene la propiedad de la mercancía hasta que el comprador realice el pago por completo de la misma.*

*Será responsabilidad del comprador tomar las medidas necesarias para conservar en buen estado la mercancía hasta que haya sido pagada, debiendo asegurarse a DICSA el cobro de la misma en caso de haber sido vendida a terceras personas por el comprador.*

### GARANTÍA

*No se responderá de ninguna reclamación que no sea efectuada dentro de los 12 meses siguientes a la entrega de la mercancía, ni se aceptarán devoluciones sin autorización previa o pasados 15 días desde la entrega de la mercancía. En cualquier caso, toda devolución deberá ir acompañada de copia de nuestra autorización y, siempre que no sea por causas imputables a DICSA, conllevará un recargo mínimo del 20 % sobre el coste del material devuelto, corriendo todos los gastos a cargo del cliente.*

*En relación con los defectos que aparezcan en los productos suministrados, DICSA aceptará como única responsabilidad u obligación, abonar la pieza o piezas defectuosas siempre que la mercancía haya sido tratada adecuadamente y que los defectos surgidos sean debidos a defectos de material o fabricación.*

*La garantía comprende la reposición o reparación de los elementos defectuosos a realizar en nuestros talleres.*

*La garantía se entiende siempre con el material presumiblemente defectuoso depositado en nuestras instalaciones, con los gastos de transporte y riesgo a cargo del comprador.*

*Los consejos y asesoramiento dados antes y post cierre del contrato, se realizan con la mejor intención y según nuestros máximos conocimientos, no obstante DICSA no asume ninguna clase de responsabilidades a este respecto, ni responderá de los eventuales daños directos o indirectos que indistintamente, por quién, dónde y por qué puedan producirse.*

*DICSA no será responsable de ninguna consecuencia o ningún daño indirecto producido al Comprador o a terceros, incluyendo los daños de pérdida de oportunidades, negocio o ingresos.*

*DICSA garantiza exclusivamente sus materiales excluyendo cualquier responsabilidad por los efectos o perjuicios que estos puedan provocar en instalaciones, maquinarias o circuitos. En ningún caso se responsabilizará de los accidentes personales o materiales y pérdidas de producción.*

*Se excluye de la garantía las averías producidas por mal uso o deficiente instalación, averías provocadas por sometimiento de los equipos a esfuerzos anormales con fines experimentales, de ajuste o prueba. La total responsabilidad de DICSA por los daños causados, independientemente del tipo de acción o teoría de la responsabilidad, no excederá del importe de la obra, instalación o materiales que haya sido objeto de pedido a DICSA. Cualquier importe que supere dicha cantidad y que DICSA se vea obligada a soportar ya sea por decisión judicial, arbitral o similar, será repetida a la compradora hasta lograr indemnidad.*

*Se encuentran excluidos de esta garantía:*

- *El uso de instalaciones o servicios, que se aparten de los manuales de instrucción o especificaciones de DICSA.*
- *El uso inadecuado de instalaciones o negligencia del Comprador, sus Ayudantes o Agentes.*
- *Las partes suministradas por el Comprador.*

# General conditions of sale

## Condiciones de venta

### FREIGHTAGES

By merchandise we always mean the one deposited in DICSAs warehouse, even in operations conditioned by the delivery at destination and the merchandise will always travel at the account and risk of the Customer, being at his charge, including the additional insurances that could be established and the special permissions it may need. According to what it is established in the article 18 of the Royal decree 782/1998 concerning wrapping and packaging mentioned in the 1st additional Disposition (Regulation) of the Law 11/1997, the person responsible for the delivery of the residues of the packaging and worn packages, for the correct environmental management, will be the final user.

### EMERGENCY DELIVERIES

No matter the type of the transportation used: by plane, courier, as baggage (luggage), special agencies, messengers etc; independently of the amount of the above mentioned service, the Customer will pay all the extra expenses, those of transportations, of shipping, and of communications that the service has caused; this value may not, under no circumstance, be lower than 60 euros.

### SPECIAL ORDERS

Any order (request) of special material, will carry the anticipated payment of 50 % of the amount of the order (request), as an indispensable condition for its acceptance. The above mentioned amount will always be in favor of DICSAs compensation in case of cancellation on the part of the Customer, without prejudice of the claims at which they may have right by Law.

### MINIMAL SALE

The minimal invoice will be of 50 €, no matter the amount of the order.

### PAYMENTS

The payments have to be done, except express written agreement between the parts, in maximum 60 days from the date of the invoice and previous receipt of the positive reports of credit. If the Customer doesn't make the payment in time, for a part of the merchandise supplied, DICSAs is authorized to suspend the posterior deliveries until the Customer executes the due payments. Any bank charges associated with the payment of the merchandise, as well as the expenses of return of it in case of non-payment, will be at the expense of the Customer. In case of delay in the payment and without prejudice of other rights attributed to the buyer for the legislation in effect, the Customer will pay to DICSAs an interest of monthly delay of 2 % starting from the date when the invoice comes to its term.

### UNPAID OR POST-PONED INVOICES

Will be at the expense of the Customer:

- The return expenses.
- Monthly interests of 1 %, from the day when the payment has come to its term and wasn't made, until the date of full payment.
- Possible amount (value) of the stamp of the new documents.
- The credit insurance.

### COINCIDENTAL PAYMENTS IN VACATIONS

If the client could not attend to the payments that were coinciding with vacation periods, these will move to the same day of the previous month. In case there are fixed days of payment, the term of the invoice will move to the immediately previous working day of payment.

### THE SOFTWARE USE

If the delivery includes the putting at the disposal of the Customer software, the Customer has the exclusive right to use it, including the attached documentation. The software is sent for the use in the object of delivery to which it is destined. It is forbidden the use of this software into any other system. The modification, translation or adjustment of the code of object to code of origin as well as the reproduction of software is only admitted into the legally established limits. The Customer promises not to withdraw the indications of the manufacturer, especially the indications of the Copyright, without DICSAs previous assent. All the other rights on the software and the documentation including the copies, they belong to DICSAs or to the supplier of the software. The concession of sublicenses is not admitted.

### GOVERNING LAW AND JURISDICTION

These General Conditions and any agreement between DICSAs and the Customer shall be exclusively governed by Spanish laws. The exclusive jurisdiction on any dispute between the DICSAs and the Customer shall be the courts of DICSAs domicile. Nevertheless, DICSAs has also the right to bring legal action against the Customer before the courts of the place of business and/or residence of the Customer.

### PORTES

La mercancía se entiende siempre depositada en el domicilio de DICSAs, incluso en operaciones condicionadas a la entrega en destino y la mercancía siempre viajará por cuenta y riesgo del comprador, siendo a su cargo inclusive los seguros adicionales que pudieran establecerse y los permisos especiales a que hubiera lugar.

Según se establece en el artículo 18 del Real Decreto 782/1998 para los envases y embalajes acogidos a la Disposición adicional 1.ª de la Ley 11/1997, el responsable de la entrega de los residuos de los embalajes y envases usados, para su correcta gestión ambiental, será el usuario final.

### ENVÍOS DE EMERGENCIA

Sea cual fuere el medio de transporte utilizado, avión, courier, régimen de equipajes, agencias especiales, mensajeros etc. Independientemente del importe de dicho servicio, el comprador correrá con todos los gastos extra, los de acarreo, de desplazamientos, y de comunicaciones que el servicio haya ocasionado, sin que en ningún caso este valor pueda ser inferior a 60 euros.

### PEDIDOS ESPECIALES

Todo pedido de material especial, conllevará el pago anticipado del 50 % del importe del pedido, como condición indispensable para su aceptación. Dicho importe quedará siempre a favor de DICSAs como indemnización en cualquier caso de anulación por parte del comprador, sin perjuicio de las reclamaciones que por Ley se puedan tener derecho.

### VENTA MÍNIMA

La facturación mínima será de 50 € sea cual sea el importe del pedido.

### PAGOS

Los pagos se realizarán como máximo y salvo acuerdo expreso entre las partes, a 60 días desde la fecha de la factura y previa recepción de los informes positivos de crédito. Si el comprador no efectuare el pago de cualquiera de los suministros a su vencimiento, DICSAs está autorizado a suspender los envíos posteriores hasta que se realice dicho pago. Cualquier cargo bancario asociado con el pago de la mercancía, así como los gastos de devolución de efectos en caso de impago, serán por cuenta del comprador.

En caso de demora en el pago y sin perjuicio de otros derechos atribuidos al comprador por la legislación en vigor, el comprador abonará a DICSAs un interés de demora del 2 % mensual desde la fecha de vencimiento de la factura.

### COBRO DE LETRAS O RECIBOS DEVUELTOS O APLAZADOS

Serán a cargo del librado:

- Gastos de devolución.
- Intereses del 1 % mensual desde el día del vencimiento fallido hasta la fecha de cobro definitivo.
- Posible valor del timbre de nuevos documentos.
- Prima de seguro de crédito.

### PAGOS COINCIDENTES EN VACACIONES

Si el cliente no pudiese atender los pagos que coincidiesen con periodos vacacionales, éstos se trasladarán al mismo día del mes anterior. En caso de existir días fijos de pago, el vencimiento se trasladará al día hábil de pago inmediatamente anterior.

### USO DE SOFTWARE

En la medida en que el volumen de entrega incluye la puesta a disposición de software, el cliente tiene el derecho no exclusivo a usarla incluyendo la documentación adjunta. Se le cede el software para el uso en el objeto de entrega al cual va destinado. No se admite el uso de este software en otro sistema. La modificación, traducción o adaptación de código de objeto a código de origen así como la reproducción de software solamente se admite en la medida legalmente establecida. El cliente se compromete a no retirar las indicaciones del fabricante, especialmente indicaciones del Copyright sin el consentimiento previo de DICSAs. Todos los demás derechos sobre el software y la documentación incluyendo las copias, corresponden a DICSAs o al proveedor del software. No se admite la concesión de sublicencias.

### DERECHO APLICABLE Y JURISDICCIÓN

Las relaciones jurídicas entre DICSAs y el comprador están sujetas al derecho Español. El tribunal competente será el del domicilio de DICSAs. Sin embargo, DICSAs podrá optar por interponer las acciones legales correspondientes en el domicilio del comprador.

## ► General information

Información general

### DICSA ESPAÑA

Sede | Head Office

Tel. +34 976 46 10 46  
info@dicsaes.com

### DICSA ITALIA SRL

Tel. +39 059 820 179  
italia@dicsaes.com

### DICSA AMERICA

Tel. 786 358 6662  
america@dicsaes.com

### DICSA DEUTSCHLAND

Tel. +34 976 464 106  
export@dicsaes.com

### DICSA LATAM

Tel. +34 976 464 106  
america@dicsaes.com

### DICSA ASIA PACIFIC

Tel. +34 976 464 106  
asia-pacific@dicsaes.com

### DICSA TÜRKİYE

Tel. +90 533 080 67 08  
turkiye@dicsaes.com

## Customer service | Atención al cliente

Departamento comercial | Commercial department

Gestión de pedidos | Orders management

### Nacional | National

Tel. 976 464 108  
comercial@dicsaes.com

### Internacional | International

Tel. +34 976 464 106  
export@dicsaes.com

### Nacional | National

Conducciones | Connectors  
Tel. 976 464 100  
976 464 101  
Hidráulica | Components  
Tel. 976 464 102  
pedidos@dicsaes.com

### Internacional | International

Tel. +34 976 464 100  
+34 976 464 101  
orders@dicsaes.com

## Otros servicios | Other services

### Dpto. Calidad | Quality Dpt.

Tel. 976 479 545  
calidad@dicsaes.com

### Dpto. Informática | IT Dpt.

Tel. 976 479 555  
informatica@dicsaes.com

### Dpto. Producción | Production Dpt.

Tel. 976 479 543  
produccion@dicsaes.com

### Dpto. Finanzas | Accounting Dpt.

Tel. 976 479 542  
finanzas@dicsaes.com

### Dpto. Compras | Purchasing Dpt.

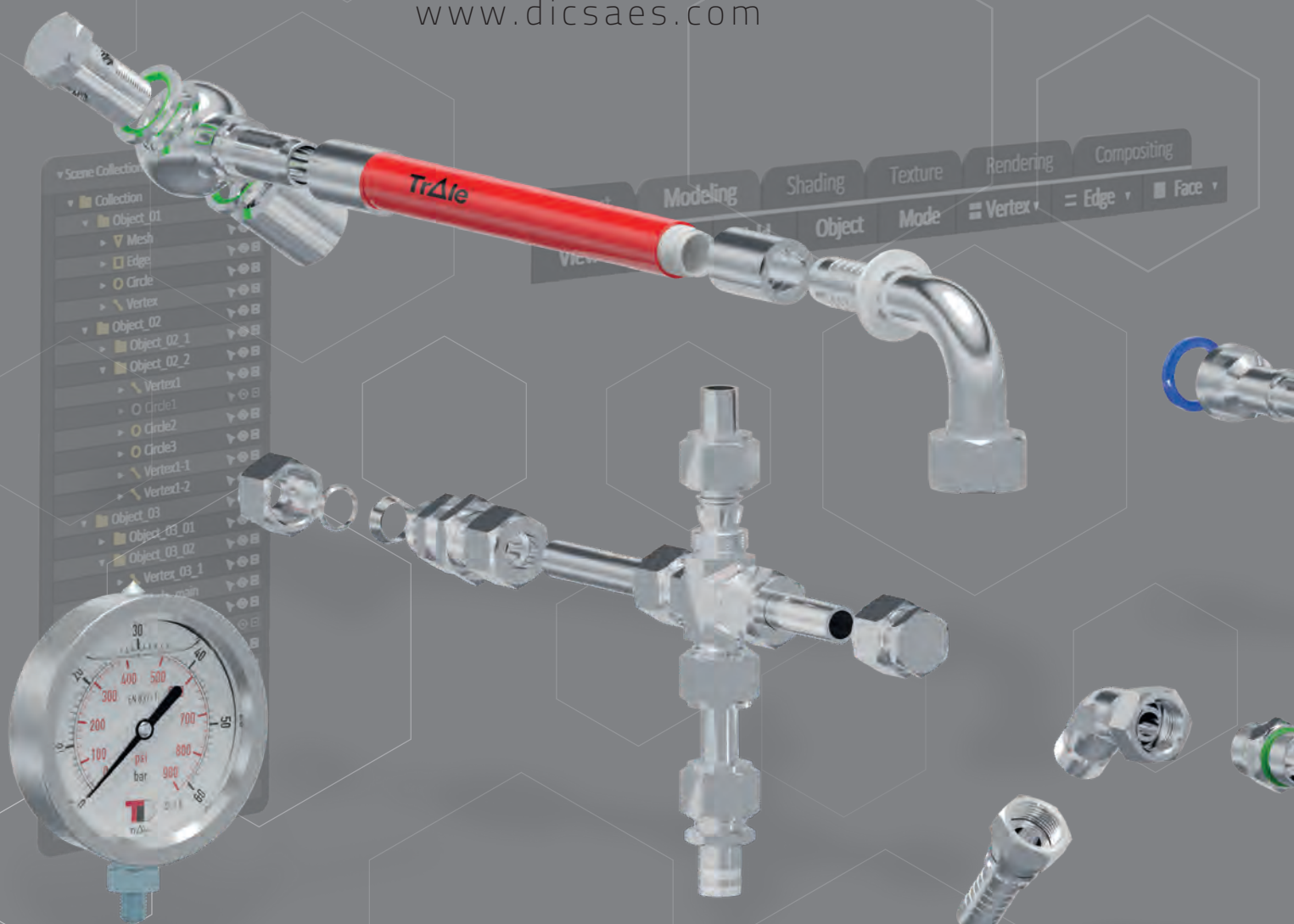
Tel. 976 464 107  
compras@dicsaes.com

### Oficina de almacén | Warehouse Dpt.

Tel. 976 464 101  
almacen@dicsaes.com



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www.dicsaes.com



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