# raccordi elettrosaldabili

raccords à électrofusion
electro-fusion fittings
gestanzte Elektroschweißmuffen
accesorios electricos

# RACCORDI ELETTROSALDABILI

## *RACCORDS INJECTES ELECTROSOUDABLES - ELECTROFUSION MOULDED FITTINGS GESTANZTE VERBINDUNGEN ZUM ELEKTROSCHWEISSEN - UNIÓNES INYECTADOS SOLDABLES ÉLECTRICAMENTE*

Raccordi elettrosaldabili in PE100, tensione di saldatura 39,5 Volt., i raccordi elettrosaldabili PE100 sono compatibili con tubi PE80 e viceversa.
Tutti i raccordi sono prodotti in regime di controllo di qualità ISO 9000.

**Campi d'impiego:**

Acquedotti, gasdotti, fognature, antincendio, irrigazione ed industria.
A richiesta forniamo raccorderia stampata in Polipropilene per saldatura testa/testa e a polifusione nel bicchiere.

*Raccords électrosoudables en PE100, avec une tension de soudage égal à 39,5 Volt, les raccords électrosoudables en PE100 sont compatibles avec des tuyaux en PE 80 et vice-versa.*
*Tous les produits sont réalisés selon le régime de contrôle de la qualité ISO 9000.*

***Domaine d'utilisation:***

*Tuyau PE80 et PE100 Ilsse: Conduites de l'eau, conduites de gaz, égouts, anti-Incendie, Irrigation, industrie.*
*A la demande nous pouvons fournir des raccords moulés en polypropylène pour soudage bout à bout et à poli-fusion dans l'embout.*

*Electro welding fittings in PE100, with a welding tension of 39,5 Volt, the electro welding fittings PE100 are compatible with PE80 pipes and vice versa.*
*All the injections are produced by following an ISO 9000 certificated operation.*

***Fields of application:***

*Water and Gas pipelines, Sewer lines, Fire fighting, Irrigation and Industry.*
*By request we supply with moulded injection in Polypropylene for butt-welding and for poly fusion in the socket.*

*Nach Einspritzverfahren in PE100 gestanzte Verbindungen schweißbar mit dem Stumpfschweißgeràt oder (für Formen mit langem Schaft) mit Elektromuffe.*
*Alle Verbindungen sind unter der Qualitätskontrolle ISO 9000 hergestellt.*

***Einsatzgebiete:***

*Wasserleitungen, Gasleitungen, Abwasserleitungen, Brandschutz, Bewässerung.*
*Auf Anfrage liefern wir Verbindungen in Polyethylen für Stumple Verschweißung und zur Polyschmelze im Einsatz.*

*Uniónes électrosouldable en PE100, tensiòn de soldadura 39,5 Volt, las uniónes électrosouldable PE100 son compatibles con los pozos PE80 y viceversa.*
*Todas las uniónes han sido producidos segùn la ley ISO 9000.*

***Sectores de uso:***

*Acueductos, gasductos, cloacas, antincendio, irrigaciòn e industria.*
*A pedido abastecimos de uniones inyecciones en propilene para saldaduras a topa y a polifusiòn en el vaso.*

## MANICOTTO ELETTRICO PE100

MANCHON ELECTROSOUDABLE PE100
ELECTROFUSION COUPLER PE100
ELEKTROMUFFE PE100
MANGUITO ELECTRICO PE100

PE100 PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PE100 PN4 saldabile su tubazioni SDR 33-41*
*PE100 PN16 welding on SDR 17 - 11 - 7,4 pipes*
*PE100 PN4 welding on SDR 33-41 pipes*

cod. 209

| | SDR26 SCARICO *WASTE DECHARGE DESCARGO* | SDR17 PN10 | SDR11 PN16 | SDR 7,4 PN25 |
|---|---|---|---|---|
| **DE mm** | *€/cad.* | *€/cad.* | *€/cad.* | *€/cad.* |
| **20** | | | | |
| **25** | | | | |
| **32** | | | | |
| **40** | | | | |
| **50** | | | | |
| **63** | | | | |
| **75** | | | | |
| **90** | | | | |
| **110** | | | | |
| **125** | | | | |
| **140** | | | | |
| **160** | | | | |
| **180** | | | | |
| **200** | | | | |
| **225** | | | | |
| **250** | | | | |
| **280** | | | | |
| **315** | | | | |
| **355** | | | | |
| **400** | | | | |
| **450** | | | | |
| **500** | | | | |
| **560** | | | | |
| **630** | | | | |

*SDR 41 a richiesta.*

## VALVOLA IN POLIETILENE

VANNE EN PE - PE VALVE
VENTIL AUS PE - VALVULA EN PE

Valvola a sfera in PE PN16
*Vanne en PE PN16 - PE valve PN16*
*Ventil aus PE PN16 - Valvula en PE PN16*

cod. 611

| Ø mm | L mm | *€/cad.* |
|---|---|---|
| **20** | - | |
| **25** | - | |
| **32** | - | |
| **40** | 268 | |
| **50** | 327 | |
| **63** | 327 | |
| **75** | 327 | |
| **90** | 327 | |
| **110** | 405 | |
| **125** | 405 | |
| **160** | 540 | |
| **180** | 540 | |
| **200** | 540 | |

Accessori in dotazione: Protezione telescopica 400÷700 mm in PVC con tappo di chiusura
Estensione di manovra 400 mm
*Standard equipment: Pvc telescopic protection 400 ÷700mm with cap*
*Open/close rod 400mm*

Accessori a richiesta: Chiave di manovra 400 mm - Chiave di manovra 1300 mm
*Equipment available on request: Open/close wrench 400 mm - Open/close wrench 1300mm*

## TEE 90° ELETTRICA

TE 90° ELECTROSOUDABLE
ELECTROFUSION 90° TEE
ELEKTRO T-STÜCK 90°
TI 90° ELECTRICA

PE100 PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PE100 PN16 welding on - SDR 17 - 11 - 7,4 pipes*

cod. 202

| DE mm | *€/cad.* |
|---|---|
| **25** | |
| **32** | |
| **40** | |
| **50** | |
| **63** | |
| **75** | |
| **90** | |
| **110** | |
| **125** | |
| **140** | |
| **160** | |
| **180** | |
| **200** | |
| **225** | |

## GOMITO 90° e 45° ELETTRICO PE100

COUDE 90°/45° ELECTROSOUDABLE
ELECTROFUSION 90°/45° ELBOW PE100
ELEKTROWINKEL 90°/45° PE100
CODO 90°/45° ELECTRICO PE100

PE100 PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PE100 PN16 welding on SDR 17 - 11 - 7,4 pipes*

cod. 201

| DE mm | GOMITO 90° *COUDE 90° - 90° ELBOW WINKEL 90° - CODO 90°* *€/cad.* | GOMITO 45° *COUDE 45° - 45° ELBOW WINKEL 45° - CODO 45°* *€/cad.* |
|---|---|---|
| **25** | | |
| **32** | | |
| **40** | | |
| **50** | | |
| **63** | | |
| **75** | | |
| **90** | | |
| **110** | | |
| **125** | | |
| **140** | | |
| **160** | | |
| **180** | | |
| **200** | | |
| **225** | | |

## RIDUZIONE ELETTRICA PE100

REDUCTION ELECTROSOUDABLE PE100
ELECTROFUSION REDUCER PE100
ELEKTROREDUKTION PE100
REDUCCION ELECTRICA PE100

PE100 PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PE100 PN16 welding on SDR 17 - 11 - 7,4 pipes*

cod. 205

| DE mm | d1 | *€/cad.* |
|---|---|---|
| **25** | 20 | |
| **32** | 20 | |
| **32** | 25 | |
| **40** | 32 | |
| **50** | 32 | |
| **50** | 40 | |
| **63** | 32 | |
| **63** | 40 | |
| **63** | 50 | |
| **75** | 63 | |
| **90** | 50 | |
| **90** | 63 | |
| **110** | 63 | |
| **110** | 90 | |
| **125** | 63 | |
| **125** | 90 | |
| **125** | 110 | |
| **160** | 90 | |
| **160** | 110 | |
| **160** | 125 | |

## COLLARE DI PRESA ELETTRICO

COLLIER DE PRISE ELECROSOUDABLE
ELECTROFUSION BRANCH SADDLE
ELEKTRORINGANSCHLUSS
COLLARIN DE PRESA ELECTRICO

cod. 210

PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PN16 welding on PE pipes SDR 17 - 11 - 7,4*

| | PN16 / SDR11 | |
|---|---|---|
| **DE mm** | **d1** | *€/cad.* |
| **40** | 20-25-32-40 | |
| **50** | 20-25-32-40 | |
| **63** | 20-25-32-40-50 | |
| **75** | 20-25-32-40-50-63 | |
| **90** | 20-25-32-40-50-63 | |
| **110** | 20-25-32-40-50-63 | |
| **125** | 20-25-32-40-50-63 | |
| **140** | 20-25-32-40-50-63 | |
| **160** | 20-25-32-40-50-63 | |
| **180** | 20-25-32-40-50-63 | |
| **200** | 20-25-32-40-50-63 | |
| **225** | 20-25-32-40-50-63 | |
| **250** | 20-25-32-40-50-63 | |
| **280** | 20-25-32-40-50-63 | |
| **315** | 20-25-32-40-50-63 | |

## COLLARE DI PRESA ELETTRICO

PER DERIVAZIONI DI GRANDE DIAMETRO
FOR CONNECTIONS OF BIG DIAMETERS
COLLIER DE PRISE ELECROSOUDABLE
ELECTROFUSION BRANCH SADDLE
ELEKTRORINGANSCHLUSS
COLLARIN DE PRESA ELECTRICO

cod. 210

PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PN16 welding on PE pipes SDR 17 - 11 - 7,4*

| | PN16 / SDR11 | |
|---|---|---|
| **DE mm** | **d1** | *€/cad.* |
| **110** | 75 | |
| **110** | 90 | |
| **125** | 75 | |
| **125** | 90 | |
| **125** | 110 | |
| **140** | 75 | |
| **140** | 90 | |
| **160** | 75 | |
| **160** | 90 | |
| **160** | 110 | |
| **160** | 125 | |
| **180** | 75 | |
| **180** | 90 | |
| **180** | 110 | |
| **180** | 125 | |
| **200** | 75 | |
| **200** | 90 | |
| **200** | 110 | |
| **200** | 125 | |
| **225** | 90 | |
| **225** | 110 | |
| **225** | 125 | |
| **250** | 90 | |
| **250** | 110 | |
| **250** | 125 | |
| **280** | 90 | |
| **280** | 110 | |
| **280** | 125 | |
| **315** | 90 | |
| **315** | 110 | |
| **315** | 125 | |

## COLLARE DI PRESA IN CARICO

COLLIER DE PRISE EN CHARGE
TAPPING TEE SADDLE
ELEKTRORINGANSCHLUSS/LADUNG
COLLARIN DE PRESA EN CARGO

cod. 211

PN16 saldabile su tubazioni SDR 17 - 11 - 7,4
*PN16 welding on PE pipes SDR 17 - 11 - 7,4*

| | PN16 / SDR11 | |
|---|---|---|
| **DE mm** | **d1** | *€/cad.* |
| **40** | 20-25-32 | |
| **50** | 20-25-32 | |
| **63** | 20-25-32-40 | |
| **63** | 50-63 | |
| **75** | 20-25-32-40 | |
| **75** | 50-63 | |
| **90** | 20-25-32-40 | |
| **90** | 50-63 | |
| **110** | 20-25-32-40 | |
| **110** | 50-63 | |
| **125** | 20-25-32-40 | |
| **125** | 50-63 | |
| **140** | 20-25-32-40 | |
| **140** | 50-63 | |
| **160** | 20-25-32-40 | |
| **160** | 50-63 | |
| **180** | 20-25-32-40 | |
| **180** | 50-63 | |
| **200** | 20-25-32-40 | |
| **200** | 50-63 | |
| **225** | 20-25-32-40 | |
| **225** | 50-63 | |
| **250** | 20-25-32-40 | |
| **250** | 50-63 | |
| **280** | 20-25-32-40 | |
| **280** | 50-63 | |
| **315** | 20-25-32-40 | |
| **315** | 50-63 | |

## COLLARE DI PRESA IN CARICO CON VALVOLA

COLLIER DE PRISE EN CHARGE AVEC VANNE
TAPPING TEE SADDLE WITH VALVE
ELEKTRORINGANSCHLUSS/LADUNG MIT VENTIL
COLLARIN DE PRESA EN CARGO CON VALVULA

cod. 212

| | PN16 / SDR11 | |
|---|---|---|
| **DE mm** | **d1** | *€/cad.* |
| **90** | 32...63 | **a richiesta** |
| **110** | 32...63 | **a richiesta** |
| **125** | 32...63 | **a richiesta** |
| **140** | 32...63 | **a richiesta** |
| **160** | 32...63 | **a richiesta** |
| **180** | 32...63 | **a richiesta** |
| **200** | 32...63 | **a richiesta** |
| **225** | 32...63 | **a richiesta** |
| **250** | 32...63 | **a richiesta** |
| **280** | 32...63 | **a richiesta** |
| **315** | 32...63 | **a richiesta** |

## ASTA DI MANOVRA PER COLLARI DI PRESA IN CARICO CON VALVOLA

CANNE DE MANOEUVRE POUR COLLIER DE PRISE EN CHARGE AVEC VANNE
CONTROL SHAFT FOR TAPPING TEE SADDLE WITH VALVE
STEUERUNGSSTAB FÜR ELEKTRORINGANSCHLUSS LADUNG MIT VENTIL
ASTA DE CONTROL PARA COLLARIN DE PRESA EN CARGO CON VALVULA

| **TIPO - TYPE** | **h/m** | *€/cad.* |
|---|---|---|
| **telescopica** *telescopic* | 0,60/1,2 | **a richiesta** |
| **telescopica** *telescopic* | 0,80/1,6 | **a richiesta** |
| **rigida** *rigid* | 2,0 max | **a richiesta** |

# raccordi di transizione

raccords de transition
transition fittings
Übergangs verbindungen
racords de transiciòn

# RACCORDI DI TRANSIZIONE

## *RACCORDS DE TRANSITION - TRANSITION FITTINGS*
## *ÜBERGANGSVERBINDUNGEN - UNIÓNES DE TRANSITION*

Nuova linea di Raccordi di transizione polietilene-acciaio, realizzati secondo la norma UNI9736 prodotti interamente da Futura.

**Principali caratteristiche:**

- Cannotto In acciaio realizzato con tubi a norma UNI8863, zincati internamente e rivestiti esternamente con calza a triplo strato di polietilene,estremità filettata maschio o a saldare.
- Tronchetto in polietilene PE100 SDR11 a norma UNI10910 idoneo al collegamento per tubi per acqua PN16 e per gas S5.
- Boccola esterna di rinforzo in acciaio elettrozincato.

Tutti i raccordi sono prodotti in regime di controllo della qualità ISO9000.

*La nouvelle ligne de Raccords de transition en polyéthylène- acier, qui sont réalisés selon la norme UNI 9736, sont produits entièrement par FUTURA.*

***Caractéristiques principales:***

- *Fourreaux en acier réalisé avec des tuyaux à norme UNI 8863, ils sont galvanisés internement et revêtus à l'extérieur avec un triple couches en polyéthylène, l'extrémité est taraudée male ou à souder.*
- *Pièce de tuyau en polyéthylène PE 100 SDR11 à norme UNI10910, elle est apte pour la connexion pour tuyaux pour eau PN16 et pour gaz S5.*
- *Douille extérieure de renforce en acier électrogalvanisé.*

*Tous les raccords sont produits selon le régime de contrôle de la qualité ISO 9000.*

*It is a new line of transition polyethylene-steel fittings that is manufactured in accordance with UNI 9736 and produced entirely by Futura.*

***Main characteristics:***

- *Steel sleeve made with pipes that are produced in accordance with UNI 8863. These sleeves are zinced inside and coated outside with a triple braiding layer in polyethylene. They have a threaded male or to weld extremity.*
- *Polyethylene PE100 SDR 11stub, produced in accordance with UNI 0910. It is appropriate for connection between water pipes PN16 and gas pipes S5.*
- *External reinforcing bush in electro zinced steel.*

*All the fittings are produced in accordance with ISO9000.*

*Neue Linie der Übergangsverbindungen in Polyäthylen-Stahl, komplett von FUTURA nach der Norm UNI 9736 hergestellt.*

***Charakteristische Merkmale:***

- *Stahlrumpf mit Rohren nach der Norm UNI 8863 hergestellt, innen verzinkt und außen mit 3-facher Schicht aus Polyethylen verkleidet, am Ende mit Innengewinde oder zum Schweißen.*
- *Drahtzange in Polyethylen PE 100 SDR11 nach der Norm UNI 10910 geeignet zur Verbindung von Wasserrohren PN 16 und von Gasrohren S5.*
- *Außenring zur Verstärkung aus elektroverzinktem Stahl.*

*Alle Verbindungen sind unter der Qualitätskontrolle ISO 9000 hergestellt.*

*Nueva linea de uniónes de transicion polietileno y acero , realizados segun la ley UNI9736 fabricado de Futura.*

***Caracteristicas Principales:***

- *Bote en acero realizados con tubos a norma UNI8863, cincados internamente y revestido externamente con media en triplo estrato de polietileno, extremidad filetado hembra o a saldar.*
- *Tramo de polietileno PE100 SDR11 a norma UNI10910 idòneo a la coneccion para tubos para agua PN 16 y para gas S5.*
- *Cubierta externa de refuerzo en acero electrocincado.*

*Todas las uniones de transicion han sido producidos segùn la ley* ISO 9000.

## RACCORDO DI TRANSIZIONE PE/ACCIAIO DRITTO RIVESTITO FILETTATO PN16 S5

RACCORD DE TRANSITION PE/ACIER DROIT REVETU FILETE MALE PN16 S5
TRANSITION PE/COATED STEEL STRAIGHT THREADED MALE PN16 S5 FITTING
ANSCHLUSSSTÜCK GERADE FÜR ÜBERGANG PE/STAHL
ÜBERZOGEN MIT AUSSENGEWINDE PN16 S5
RACORD DE TRANSICÓN PE/ACERO REVESTIDO RECTO ROSCADO MACHO PN16 S5

cod. 301R1

*altre misure su richiesta*

| DE mm | €/cad. |
|---|---|
| DE 25 | |
| DE 32 | |
| DE 40 | |
| DE 50 | |
| DE 63 | |
| DE 75 | |
| DE 90 | |
| DE 110 | |

## RACCORDO DI TRANSIZIONE PE/ACCIAIO DRITTO RIVESTITO A SALDARE PN16 S5

RACCORD DE TRANSITION PE/ACIER DROIT REVETU A SOUDER PN16 S5
TRANSITION PE/COATED STEEL STRAIGHT WELDING PN16 S5 FITTING
ANSCHLUSSSTÜCK GERADE FÜR ÜBERGANG PE/STAHL
ÜBERZOGEN ZUM SCHWEISSEN PN16 S5
RACORD DE TRANSICÓN PE/ACERO REVESTIDO - RECTO A SOLDAR PN16 S5

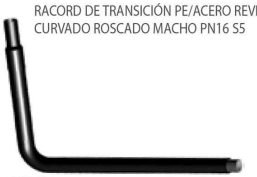
cod. 301R1

*altre misure su richiesta*

| DE mm | €/cad. |
|---|---|
| DE 25 | |
| DE 32 | |
| DE 40 | |
| DE 50 | |
| DE 63 | |
| DE 75 | |
| DE 90 | |
| DE 110 | |
| DE 125 | |
| DE 140 | |
| DE 160 | |
| DE 180 | |
| DE 200 | |
| DE 225 | |

## RACCORDO DI TRANSIZIONE PE/ACCIAIO CURVO RIVESTITO FILETTATO MASCHIO PN16 S5

RACCORD DE TRANSITION PE/ACIER COURBÉ REVETU FILETE MALE PN16 S5
TRANSITION PE/COATED STEEL BENT THREADED MALE PN16 S5 FITTING
ANSCHLUSSSTÜCK GEBOGEN FÜR ÜBERGANG PE/STAHL
ÜBERZOGEN MIT AUSSENGEWINDE PN16 S5
RACORD DE TRANSICIÓN PE/ACERO REVESTIDO
CURVADO ROSCADO MACHO PN16 S5



cod. 301R1

*altre misure su richiesta*

| DE mm | €/cad. |
|---|---|
| DE 25 | |
| DE 32 | |
| DE 40 | |
| DE 50 | |
| DE 63 | |

## RACCORDO DI TRANSIZIONE PE/ACCIAIO CURVO RIVESTITO A SALDARE PN16 S5

RACCORD DE TRANSITION PE/ACIER COURBÉ REVETU A SOUDER PN16 S5
TRANSITION PE/COATED STEEL BENT WELDING MALE PN16 S5 FITTING
ANSCHLUSSSTÜCK GEBOGEN FÜR ÜBERGANG PE/STAHL
ÜBERZOGEN ZUM SCHWEISSEN PN16 S5
RACORD DE TRANSICIÓN PE/ACERO REVESTIDO
CURVADO A SOLDAR PN16 S5

cod. 301R1

*altre misure su richiesta*

| DE mm | €/cad. |
|---|---|
| DE 25 | |
| DE 32 | |
| DE 40 | |
| DE 50 | |
| DE 63 | |

## RACCORDO DI TRANSIZIONE PE/OTTONE FILETTATO FEMMINA PN16

RACCORD DE TRANSITION PE/LAITON TARAUDEE F EMELLE PN16
PE/BRASS FEMALE THREADED TRANSITION FITTING PN16
EIN WEIBLICHES GEWINDE SCHNEIDEN
VERBINDUNG PE/CHROM PN16
RACORD DE TRANSICIÓN PE/LATON ROSCADA HEMBRA PN16

cod. 304FF

| DE mm | €/cad. |
|---|---|
| 20X1/2" | |
| 25X3/4" | |
| 32X1" | |
| 40X1"1/4 | |
| 50X1"1/2 | |
| 63X1"1/2 | |
| 63X2" | |
| 75X2"1/2 | |
| 90X3" | |
| 110X4" | |
| 125X4" | |

## RACCORDO DI TRANSIZIONE PE/OTTONE FILETTATO MASCHIO PN16

RACCORD DE TRANSITION PE/LAITON FILETE MALE PN16
PE100/BRASS MALE TRHEADED TRANSITION FITTING PN16
EIN MÄNNLICHES GEWINDE SCHNEIDEN VERBINDUNG
PE/CHROM PN16
RACORD DE TRANSICIÓN PE/LATON ROSCADA MACHO PN16

cod. 304FM

| DE mm | €/cad. |
|---|---|
| 25X3/4" | |
| 32X1" | |
| 40X1"1/4 | |
| 50X1"1/4 | |
| 50X1"1/2 | |
| 63X1"1/2 | |
| 63X2" | |
| 75X2"1/2 | |
| 90X3" | |
| 110X4" | |
| 125X4" | |

## RACCORDO DI TRANSIZIONE PE/RAME DRITTO

PE/COPPER TRANSITION FITTING
RACCORD DE TRANSITION PE/CUIVRE
UNION DE TRANSICION PE/COBRE
ZWISCHENVERBINDUNG GERADE FUER UEBERGANG PE/KUPFER

cod. 309

| DE mm | DN mm | €/cad. |
|---|---|---|
| 25 | 18 | |
| 25 | 22 | |
| 32 | 18 | |
| 32 | 22 | |
| 32 | 28 | |
| 40 | 28 | |
| 40 | 35 | |

Rivestimento standard giallo a richiesta nero

# raccordi a compressione

raccords à compression
compression fittings
Druckverbindungen
uniones rapidas

# RACCORDI A COMPRESSIONE

## *RACCORDS À COMPRESSION - COMPRESSION FITTINGS*
## *DRUCKVERBINDUNGEN - UNIONES RAPIDAS*

Raccordi a compressione in PP per giunzione di tubi in polietilene.

**Principali caratteristiche:**

Corpo in polipropilene nero, ghiera in polipropilene blu, anello antisfilamento in poliacetale bianco, anelli di rinforzo in acciaio inox "AISI 340", guarnizioni in gomma nitrilica 75 shore (NBR).
Pressione nominale PN16 per tutti i raccordi fino al DE 63 mm., PN10 per tutte le prese a staffa e per i raccordi dal DE75 mm.
Raccordi conformi alla circolare 102 del 02/10/1978 del ministero della sanità e quindi idonei al convogliamento di fluidi alimentari.
A richiesta sono disponibili tutte le parti di ricambio.
Tutti i raccordi sono prodotti in regime di controllo della qualità ISO 9000.

**Campi d'impiego:** Acquedotti, irrigazione ed industria.

*Raccords à compression en PP pour les jonctions des tuyaux en polyéthylène.*

***Caractéristiques principales:***

*Le corps est en polypropylène noir, une bague en polypropylène bleu, un anneau antiglisse en polyacétal blanc; des anneaux de renforcement en acier inox "ASI 340"; des joints en caoutchouc Pression nominale PN 16 pour tous les raccords jusqu'au DE 63 mm, PN 10 pour tous les colliers de prise et pour les raccords à partir de DE75mm.*
*Les raccords sont en conformité au circulaire 102 émise le 02/10/1978 par le ministère de la santé et donc ils sont aptes pour la canalisation des fluides alimentaires.*
*A la demande nous avons toutes les pièces de rechange.*
*Tous les raccords sont produits selon le régime de contrôle de la qualité ISO 9000.*

***Domaines d'utilisation:*** *Conduites pour l'eau, irrigation et industrie.*

*PP compression fittings in for polyethylene pipes connection.*

***Main characteristics:***

*They have a body in black polypropylene, a blue polypropylene ring nut, an unthreaded ring in white poly acetal, reinforcing rings in inox steel "AISI340", gaskets in rubber nitrile 75 shore (NBR).*
*The nominal pressure PN 16 is for all the fittings until the DE63 mm, the PN 10 is for all the camps saddle and for all the fittings from DE75 mm.*
*All the fittings are in accordance to the Ministry of Health circular number 102 made on 02/10/1978. For this reason our fittings are appropriate also for the foodstuff fluid conveyance.*
*On demand all the spare parts are available.*

***Fields of application:*** *Water pipelines, Irrigation and Industry.*

*Druckverbindungen in PP zum Anschluß der Rohre aus Polyäthylen.*

***Hauptmerkmale:***

*Rumpf aus schwarzem Polypropylen, Gewindering aus blauem Polyproylen, nicht abnehmbarer Ring aus weißem Polyacetale, Verstärkungsring aus Inox Stahl "AISI 340", Gummidichtung 75 (NBR) aus Akrylfautschuk.*
*Nominaler Druck PN 16 für alle Verbindungen bis DE 63mm, PN 10 für alle eckigen Kupplungen und für die Verbindungen DE 75mm. Alle Verbindungen sind konform mit dem Rundschreiben 102 vom 02/10/1978 des Gesundheitsministeriums und daher tauglich für die Zuleitung flüssiger Nahrungsmittel.*
*Alle Ersatzteile sind auf Anfrage vorrätig.*
*Alle Verbindungen sind unter der Qualitätskontrolle ISO 9000 hergestellt.*

***Einsatzbereich:*** *Wasserleitungen, Bewässerungen.*

*Juntas rapidas en PP para juntura de tuberias en polietilene.*

***Caracteristicas Principales:***

*Cuerpo en polipropilene negro, anillo en polipropilene blu, anillo contra deshilamiento en poliacetale blanco, anillos de refuerzo en acero inox "AISI340", guarniciones en goma nitrilica 75 shore (NBR). Presiòn nominal PN 16 para todas las juntas desde DE75 mm.*
*Juntas conforme a la circular 102 de 02/10/1978 del Ministerio de la sanidad y por eso puede ser utilizado tambien con los alimentos.*
*Partes de recambio a pedida.*
*Todas las juntas son productos en regimen de contròl de la qualidad ISO 9000.*

***Sectores de empleo:*** *Acueductos, irigaciòn e industria.*

## PRESA A STAFFA SINGOLA PN16

COLLIER DE PRISE PN16
CLAMP SADDLE PN16
ECKIGE KUPPLUNG PN16
TOMA A ABRAZADERA PN16

cod. 401S1R

| DE mm | d" | PN | bolts | €/cad. |
|---|---|---|---|---|
| 25 | 1/2" | 16 | 2 | |
| 25 | 3/4" | 16 | 2 | |
| 32 | 1/2" | 16 | 2 | |
| 32 | 3/4" | 16 | 2 | |
| 32 | 1" | 16 | 2 | |
| 40 | 1/2" | 16 | 2 | |
| 40 | 3/4" | 16 | 2 | |
| 40 | 1" | 16 | 2 | |
| 50 | 1/2" | 16 | 4 | |
| 50 | 3/4" | 16 | 4 | |
| 50 | 1" | 16 | 4 | |
| 63 | 1/2" | 16 | 4 | |
| 63 | 3/4" | 16 | 4 | |
| 63 | 1" | 16 | 4 | |
| 63 | 1"1/4 | 16 | 4 | |
| 63 | 1"1/2 | 16 | 4 | |
| 75 | 1/2" | 16 | 4 | |
| 75 | 3/4" | 16 | 4 | |
| 75 | 1" | 16 | 4 | |
| 75 | 1"1/4 | 16 | 4 | |
| 75 | 1"1/2 | 16 | 4 | |
| 75 | 2" | 16 | 4 | |
| 90 | 1/2" | 16 | 4 | |
| 90 | 3/4" | 16 | 4 | |
| 90 | 1" | 16 | 4 | |
| 90 | 1"1/4 | 16 | 4 | |
| 90 | 1"1/2 | 16 | 4 | |
| 90 | 2" | 16 | 4 | |
| 110 | 1/2" | 16 | 6 | |
| 110 | 3/4" | 16 | 6 | |
| 110 | 1" | 16 | 6 | |

| DE mm | d" | PN | bolts | €/cad. |
|---|---|---|---|---|
| 110 | 1"1/4 | 16 | 6 | |
| 110 | 1"1/2 | 16 | 6 | |
| 110 | 2" | 16 | 6 | |
| 125 | 3/4" | 16 | 6 | |
| 125 | 1" | 16 | 6 | |
| 125 | 1"1/4 | 16 | 6 | |
| 125 | 1"1/2 | 16 | 6 | |
| 125 | 2" | 16 | 6 | |
| 160 | 3/4" | 16 | 6 | |
| 160 | 1" | 16 | 6 | |
| 160 | 1"1/4 | 16 | 6 | |
| 160 | 1"1/2 | 16 | 6 | |
| 160 | 2" | 16 | 6 | |
| 160 | 3" | 10 | 6 | |
| 200 | 1" | 10 | 6 | |
| 200 | 1"1/2 | 10 | 6 | |
| 200 | 2" | 10 | 6 | |
| 200 | 3" | 8 | 6 | |
| 200 | 4" | 8 | 6 | |
| 225 | 1"1/2 | 10 | 6 | |
| 225 | 2" | 10 | 6 | |
| 225 | 3" | 8 | 6 | |
| 225 | 4" | 8 | 6 | |
| 250 | 1"1/2 | 10 | 6 | |
| 250 | 2" | 10 | 6 | |
| 250 | 3" | 8 | 6 | |
| 250 | 4" | 8 | 6 | |
| 315 | 1"1/2 | 10 | 6 | |
| 315 | 2" | 10 | 6 | |
| 315 | 3" | 8 | 6 | |
| 315 | 4" | 8 | 6 | |

cod. 401S2R

## PRESA A STAFFA DOPPIA PN16

COLLIER DE PRISE DOUBLES PN16
DOUBLE CLAMP SADDLE PN16
DOPPELTE ECKIGE KUPPLUNG PN16
TOMA A ABRAZADERA DOBLE PN16

| DE mm | d" | PN | bolts | €/cad. |
|---|---|---|---|---|
| **25** | 1/2" | 16 | 2 | |
| **25** | 3/4" | 16 | 2 | |
| **32** | 1/2" | 16 | 2 | |
| **32** | 3/4" | 16 | 2 | |
| **32** | 1" | 16 | 2 | |
| **40** | 1/2" | 16 | 2 | |
| **40** | 3/4" | 16 | 2 | |
| **40** | 1" | 16 | 2 | |
| **50** | 1/2" | 16 | 4 | |
| **50** | 3/4" | 16 | 4 | |
| **50** | 1" | 16 | 4 | |
| **63** | 1/2" | 16 | 4 | |
| **63** | 3/4" | 16 | 4 | |
| **63** | 1" | 16 | 4 | |
| **63** | 1"1/4 | 16 | 4 | |
| **63** | 1"1/2 | 16 | 4 | |
| **75** | 1/2" | 16 | 4 | |
| **75** | 3/4" | 16 | 4 | |
| **75** | 1" | 16 | 4 | |
| **75** | 1"1/4 | 16 | 4 | |
| **75** | 1"1/2 | 16 | 4 | |
| **75** | 2" | 16 | 4 | |
| **90** | 1/2" | 16 | 4 | |
| **90** | 3/4" | 16 | 4 | |
| **90** | 1" | 16 | 4 | |
| **90** | 1"1/4 | 16 | 4 | |
| **90** | 1"1/2 | 16 | 4 | |
| **90** | 2" | 16 | 4 | |
| **110** | 1/2" | 16 | 6 | |

| DE mm | d" | PN | bolts | €/cad. |
|---|---|---|---|---|
| **110** | 3/4" | 16 | 6 | |
| **110** | 1" | 16 | 6 | |
| **110** | 1"1/4 | 16 | 6 | |
| **110** | 1"1/2 | 16 | 6 | |
| **110** | 2" | 16 | 6 | |
| **125** | 3/4" | 16 | 6 | |
| **125** | 1" | 16 | 6 | |
| **125** | 1"1/4 | 16 | 6 | |
| **125** | 1"1/2 | 16 | 6 | |
| **125** | 2" | 16 | 6 | |
| **160** | 3/4" | 16 | 6 | |
| **160** | 1" | 16 | 6 | |
| **160** | 1"1/4 | 16 | 6 | |
| **160** | 1"1/2 | 16 | 6 | |
| **160** | 2" | 16 | 6 | |
| **160** | 3" | 10 | 6 | |
| **200** | 1" | 10 | 6 | |
| **200** | 1"1/2 | 10 | 6 | |
| **200** | 2" | 10 | 6 | |
| **200** | 3" | 8 | 6 | |
| **200** | 4" | 8 | 6 | |
| **225** | 1"1/2 | 10 | 6 | |
| **225** | 2" | 10 | 6 | |
| **225** | 3" | 8 | 6 | |
| **225** | 4" | 8 | 6 | |
| **250** | 1"1/2 | 10 | 6 | |
| **250** | 2" | 10 | 6 | |
| **250** | 3" | 8 | 6 | |
| **250** | 4" | 8 | 6 | |

## PRESA A STAFFA SINGOLA PN10

COLLIER DE PRISE PN10
CLAMP SADDLE PN10
ECKIGE KUPPLUNG PN10
TOMA A ABRAZADERA PN10

cod. 401S1N

| DE mm | d" | PN | bolts | €/cad. |
|---|---|---|---|---|
| 25 | 1/2" | 10 | 2 | |
| 25 | 3/4" | 10 | 2 | |
| 32 | 1/2" | 10 | 2 | |
| 32 | 3/4" | 10 | 2 | |
| 32 | 1" | 12,50 | 2 | |
| 40 | 1/2" | 10 | 2 | |
| 40 | 3/4" | 10 | 2 | |
| 40 | 1" | 10 | 2 | |
| 50 | 1/2" | 10 | 2 | |
| 50 | 3/4" | 10 | 2 | |
| 50 | 1" | 10 | 2 | |
| 63 | 1/2" | 10 | 4 | |
| 63 | 3/4" | 10 | 4 | |
| 63 | 1" | 10 | 4 | |
| 63 | 1"1/4 | 10 | 4 | |
| 63 | 1"1/2 | 12,5 | 4 | |
| 75 | 1/2" | 10 | 4 | |
| 75 | 3/4" | 10 | 4 | |
| 75 | 1" | 10 | 4 | |
| 75 | 1"1/4 | 10 | 4 | |
| 75 | 1"1/2 | 12,5 | 4 | |
| 75 | 2" | 12,5 | 4 | |
| 90 | 1/2" | 10 | 4 | |
| 90 | 3/4" | 10 | 4 | |
| 90 | 1" | 10 | 4 | |
| 90 | 1"1/4 | 10 | 4 | |
| 90 | 1"1/2 | 12,5 | 4 | |
| 90 | 2" | 12,5 | 4 | |
| 110 | 1/2" | 10 | 4 | |
| 110 | 3/4" | 10 | 4 | |
| 110 | 1" | 10 | 4 | |
| 110 | 1"1/4 | 10 | 4 | |
| 110 | 1"1/2 | 12,5 | 4 | |
| 110 | 2" | 12,5 | 4 | |
| 125 | 3/4" | 12,5 | 4 | |
| 125 | 1" | 12,5 | 4 | |
| 125 | 1"1/4 | 12,5 | 4 | |
| 125 | 1"1/2 | 12,5 | 4 | |
| 125 | 2" | 12,5 | 4 | |
| 160 | 3/4" | 12,5 | 4 | |
| 160 | 1" | 12,5 | 4 | |
| 160 | 1"1/4 | 12,5 | 4 | |
| 160 | 1"1/2 | 12,5 | 4 | |
| 160 | 2" | 12,5 | 4 | |

## PRESA A STAFFA DOPPIA PN10

COLLIER DE PRISE DOUBLES PN10
DOUBLE CLAMP SADDLE PN10
DOPPELTE ECKIGE KUPPLUNG PN10
TOMA A ABRAZADERA DOBLE PN10

cod. 401S2N

| DE mm | d" | PN | bolts | €/cad. |
|---|---|---|---|---|
| 25 | 1/2" | 10 | 2 | |
| 25 | 3/4" | 10 | 2 | |
| 32 | 1/2" | 10 | 2 | |
| 32 | 3/4" | 10 | 2 | |
| 32 | 1" | 10 | 2 | |
| 40 | 1/2" | 10 | 2 | |
| 40 | 3/4" | 10 | 2 | |
| 40 | 1" | 10 | 2 | |
| 50 | 1/2" | 10 | 2 | |
| 50 | 3/4" | 10 | 2 | |
| 50 | 1" | 10 | 2 | |
| 63 | 1/2" | 10 | 4 | |
| 63 | 3/4" | 10 | 4 | |
| 63 | 1" | 10 | 4 | |
| 63 | 1"1/4 | 10 | 4 | |
| 63 | 1"1/2 | 12,5 | 4 | |
| 75 | 1/2" | 10 | 4 | |
| 75 | 3/4" | 10 | 4 | |
| 75 | 1" | 10 | 4 | |
| 75 | 1"1/4 | 10 | 4 | |
| 75 | 1"1/2 | 12,5 | 4 | |
| 75 | 2" | 12,5 | 4 | |
| 90 | 1/2" | 10 | 4 | |
| 90 | 3/4" | 10 | 4 | |
| 90 | 1" | 10 | 4 | |
| 90 | 1"1/4 | 10 | 4 | |
| 90 | 1"1/2 | 12,5 | 4 | |
| 90 | 2" | 12,5 | 4 | |
| 110 | 1/2" | 10 | 4 | |
| 110 | 3/4" | 10 | 4 | |
| 110 | 1" | 10 | 4 | |
| 110 | 1"1/4 | 10 | 4 | |
| 110 | 1"1/2 | 12,5 | 4 | |
| 110 | 2" | 12,5 | 4 | |
| 125 | 3/4" | 12,5 | 4 | |
| 125 | 1" | 12,5 | 4 | |
| 125 | 1"1/4 | 12,5 | 4 | |
| 125 | 1"1/2 | 12,5 | 4 | |
| 125 | 2" | 12,5 | 4 | |
| 160 | 3/4" | 12,5 | 4 | |
| 160 | 1" | 12,5 | 4 | |
| 160 | 1"1/4 | 12,5 | 4 | |
| 160 | 1"1/2 | 12,5 | 4 | |
| 160 | 2" | 12,5 | 4 | |

## TAPPO
BOUCHON - PLUG
KAPPE - TAPON

cod. 406

| DE mm | €/cad. |
|---|---|
| 16 | |
| 20 | |
| 25 | |
| 32 | |
| 40 | |
| 50 | |
| 63 | |
| 75 | |
| 90 | |
| 110 | |

## TEE 90° RIDOTTA
TE 90° REDUIT
90° REDUCING TEE
90° REDUKTIONST T-STÜCK
TI 90° REDUCIDO

cod. 404RI

| DE mm | €/cad. |
|---|---|
| 20X16 | |
| 25X20 | |
| 32X25 | |
| 40X32 | |
| 50X40 | |
| 63X50 | |
| 75X63 | |
| 90X75 | |
| 110X63 | |
| 110X90 | |

## TEE 90°
TE 90° - 90°TEE
T-STÜCK 90° - TI 90°

cod. 404NR

| DE mm | €/cad. |
|---|---|
| 16 | |
| 20 | |
| 25 | |
| 32 | |
| 40 | |
| 50 | |
| 63 | |
| 75 | |
| 90 | |
| 110 | |

## TEE 90° FILETTATA MASCHIO
TE 90° FILETE MALE
90° MALE THREADED TEE
T-STÜCK 90° AUSSENGEWINDE
TI 90° MACHO

cod. 404FM

| DE mm | €/cad. |
|---|---|
| 16x1/2" | |
| 16x3/4" | |
| 20X1/2" | |
| 20X3/4" | |
| 25X1/2" | |
| 25X3/4" | |
| 25X1" | |
| 32X1/2" | |
| 32X3/4" | |
| 32X1" | |
| 32X1"1/4 | |
| 40X1" | |
| 40X1"1/4 | |
| 40X1"1/2 | |
| 50X1"1/4 | |
| 50X1"1/2 | |
| 50X2" | |
| 63X1"1/2 | |
| 63X2" | |
| 63X2"1/2 | |
| 75X2"1/2 | |
| 75X3" | |
| 90X3" | |
| 110X4" | |

## TEE 90° FILETTATA FEMMINA
TE 90° TARAUDE FEMELLE
90° FEMALE THREADED TEE
T-STÜCK 90° INNENGEWINDE
TI 90° HEMBRA

cod. 404FF

| DE mm | €/cad. |
|---|---|
| 16x1/2" | |
| 16x3/4" | |
| 20X1/2" | |
| 20X3/4" | |
| 25X1/2" | |
| 25X3/4" | |
| 25X1" | |
| 32X1/2" | |
| 32X3/4" | |
| 32X1" | |
| 32X1"1/4 | |
| 40X1" | |
| 40X1"1/4 | |
| 40X1"1/2 | |
| 50X1"1/4 | |
| 50X1"1/2 | |
| 50X2" | |
| 63X1"1/2 | |
| 63X2" | |
| 63x2"1/2" | |
| 75X2" | |
| 75X2"1/2 | |
| 75X3" | |
| 90x2"1/2" | |
| 90X3" | |
| 110X3" | |
| 110x4" | |

## MANICOTTO RIDOTTO
MANCHON REDUIT
REDUCED COUPLER
REDUKTIONSMUFFE
MANGUITO REDUCIDO

cod. 402RI

| DE mm | €/cad. |
|---|---|
| 20X16 | |
| 25X16 | |
| 25X20 | |
| 32X20 | |
| 32X25 | |
| 40X25 | |
| 40X32 | |
| 50X32 | |
| 50X40 | |
| 63X32 | |
| 63X40 | |
| 63X50 | |
| 75X50 | |
| 75X63 | |
| 90X63 | |
| 90X75 | |
| 110X63 | |
| 110X75 | |
| 110X90 | |

## MANICOTTO
MANCHON - COUPLER
MUFFE - MANGUITO

cod. 402NR

| DE mm | €/cad. |
|---|---|
| 16 | |
| 20 | |
| 25 | |
| 32 | |
| 40 | |
| 50 | |
| 63 | |
| 75 | |
| 90 | |
| 110 | |

## GOMITO 90° FILETTATO MASCHIO
COUDE 90° FILETE MALE 90°
THREADED MALE ELBOW
WINKEL 90° MIT AUSSENGEWINDE
CODO 90° MACHO

cod. 405FM

| DE mm | €/cad. |
|---|---|
| 16X1/2" | |
| 16x3/4" | |
| 20X1/2" | |
| 20X3/4" | |
| 25X1/2" | |
| 25X3/4" | |
| 25X1" | |
| 32X1/2" | |
| 32X3/4" | |
| 32X1" | |
| 32x1" 1/4" | |
| 40X1" | |
| 40X1"1/4 | |
| 40x1"1/2" | |
| 50x1"1/4" | |
| 50X1"1/2 | |
| 50X2" | |
| 63x1"1/2" | |
| 63X2" | |
| 63X2"1/2 | |
| 75X2"1/2 | |
| 75x3" | |
| 90X3" | |
| 90X4" | |
| 110X4" | |

## GOMITO 90° FILETTATO FEMMINA
COUDE 90° TARAUDE FEMELLE
90° THREADED FEMALE ELBOW
WINKEL 90° MIT INNENGEWINDE
CODO 90° HEMBRA

cod. 405FF

| DE mm | €/cad. |
|---|---|
| 16X1/2" | |
| 16x3/4" | |
| 20X1/2" | |
| 20X3/4" | |
| 25X1/2" | |
| 25X3/4" | |
| 25X1" | |
| 32X1/2" | |
| 32X3/4" | |
| 32X1" | |
| 32x1"1/4" | |
| 40X1" | |
| 40X1"1/4 | |
| 40X1"1/2 | |
| 50X1"1/4 | |
| 50X1"1/2 | |
| 50X2" | |
| 63X1"1/2 | |
| 63X2" | |
| 63x2"1/2" | |
| 75X2"1/2 | |
| 75X3" | |
| 90X3" | |
| 90x4 | |
| 110x4" | |

## MANICOTTO DI RIPARAZIONE SENZA BATTUTA INTERNA
REPAIR COUPLING WHITOUT CENTRE LIP
MANCHON DE REPARATION SANS BIEN LE CENTRER
REPARATURMUFFE OHNE INNEREN SCHLAG
MANGUITO DE REPARACIÒN SIN CENTRO INTERNO

cod. X0106

| DE mm | €/cad. |
|---|---|
| 20 | |
| 25 | |
| 32 | |
| 40 | |
| 50 | |
| 63 | |
| 75 | |
| 90 | |
| 110 | |
| | |

## GOMITO 90°
COUDE 90° - 90° ELBOW
WINKEL 90° - CODO 90°

cod. 405NR

| DE mm | €/cad. |
|---|---|
| 16 | |
| 20 | |
| 25 | |
| 32 | |
| 40 | |
| 50 | |
| 63 | |
| 75 | |
| 90 | |
| 110 | |

## CHIAVE PER RACCORDI IN ACCIAIO
STEEL TOOL
CLE DE SERRAGE EN ACIER
SCHLÜSSEL FÜR DRUCKVERBINDUNGEN
LLAVE EN ACERO

cod. X919

| D" | €/cad. |
|---|---|
| 40...63 | |
| 75...110 | |

## RACCORDO FILETTATO MASCHIO

RACCORD FILETE MALE
THREADED MALE FITTING
VERBINDUNG MIT AUSSENGEWINDE
EMPALME MACHO

cod. 403FM

| DE mm | €/cad. |
|---|---|
| 16X1/2" | |
| 16X3/4" | |
| 20X1/2" | |
| 20X3/4" | |
| 25X1/2" | |
| 25X3/4" | |
| 25X1" | |
| 32X1/2" | |
| 32X3/4" | |
| 32X1" | |
| 32X1"1/4 | |
| 32X1"1/2 | |
| 40X1" | |
| 40X1"1/4 | |
| 40X1"1/2 | |
| 40X2" | |
| 50X1"1/4 | |
| 50X1"1/2 | |
| 50X2" | |
| 63X1"1/4 | |
| 63X1"1/2 | |
| 63X2" | |
| 63X2"1/2 | |
| 75X2" | |
| 75X2"1/2 | |
| 75X3" | |
| 90X2" | |
| 90X2"1/2 | |
| 90X3" | |
| 90X4" | |
| 110X2" | |
| 110X3" | |
| 110X4" | |

## RACCORDO FILETTATO FEMMINA

RACCORD TARAUDE FEMELLE
THREADED FEMALE FITTING
VERBINDUNG MIT INNENGEWINDE
EMPALME HEMBRA

cod. 403FF

| DE mm | €/cad. |
|---|---|
| 16X1/2" | |
| 16X3/4" | |
| 20X1/2" | |
| 20X3/4" | |
| 25X1/2" | |
| 25X3/4" | |
| 25X1" | |
| 32X1/2" | |
| 32X3/4" | |
| 32X1" | |
| 32X1"1/4 | |
| 40X1" | |
| 40X1"1/4 | |
| 40X1"1/2 | |
| 50X1"1/4 | |
| 50X1"1/2 | |
| 50X2" | |
| 63X1"1/2 | |
| 63X2" | |
| 63X2"1/2 | |
| 75X2" | |
| 75X2"1/2 | |
| 75X3" | |
| 90X2" | |
| 90X2"1/2" | |
| 90X3" | |
| 90x4" | |
| 110X2" | |
| 110X3" | |
| 110x4" | |

## RACCORDO FLANGIATO

RACCORD À BRIDE
FLANGED JOINT
FLANSCHVERBINDUNG
ENLACE REBORDEADO

cod. 403FL

| DE mm | €/cad. |
|---|---|
| 50XDN40 | |
| 50XDN50 | |
| 63XDN50 | |
| 75XDN65 | |
| 90XDN80 | |
| 90XDN100 | |
| 110XDN100 | |