



## PX LINE



IT

### Raccordi Automatici in Acciaio Inox 316L, Pollici/NPT

I raccordi automatici della serie PX sono disponibili con tubi in pollici e filettatura NPT. Sono realizzati interamente in acciaio INOX AISI 316L (1.4404) e per questo motivo permettono di realizzare connessioni in ambienti e condizioni di impiego altamente corrosivi e con temperature elevate.

EN

### 316L Stainless Steel Push-in Fittings, Inch/NPT

The push-in fittings of the PX line, available in inch sizes and NPT threads, are entirely made of AISI 316L (1.4404) and they are the perfect solution for highly aggressive environments and high temperature rated applications.

FR

### Raccords Instantanés en Acier Inox 316L, Pouce/NPT

Les raccords automatiques de la série PX sont disponibles en pouces et filetage NPT. Ils sont entièrement fabriqués en acier inoxydable AISI 316L (1.4404), et donc adaptés aux environnements et aux utilisations très agressifs et aux hautes températures.

DE

### Steckverschraubungen aus Edelstahl 1.4404, Zoll/NPT

Die Steckverschraubungen der PX- Baureihe sind in Zoll und NPT Gewinden verfügbar. Sie bestehen vollständig aus AISI 316L (1.4404) und sind die perfekte Lösung für sehr aggressive Umgebungen und Anwendungen mit hohen Temperaturen.



# PX Line

|                                                                                                                                                                                         |                                                                    |                                                                                                                                                                          |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                |                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> Corpo<br>Body<br>Corps<br>Körper<br><br>Acciaio inox AISI 316L (1.4404)<br>Stainless steel AISI 316L (1.4404)<br>Acier inox AISI 316L (1.4404)<br>Edelstahl AISI 316L (1.4404) | <b>2</b> Anello estrattore<br>Release ring<br>Poussoir<br>Lösering | <b>3</b> Pinza aggraffaggio<br>Gripping ring<br>Pince<br>Spannzang<br><br>Acciaio inox AISI 301<br>Stainless steel AISI 301<br>Acier inox AISI 301<br>Edelstahl AISI 301 | <b>4</b> Anello di ritegno<br>Holding ring<br>Bague de retenue<br>Haltering<br><br>Acciaio inox AISI 316L (1.4404)<br>Stainless steel AISI 316L (1.4404)<br>Acier inox AISI 316L (1.4404)<br>Edelstahl AISI 316L (1.4404) | <b>5</b> Anello porta pinza<br>Protection ring<br>Bague protection<br>Schutzring<br><br>Acciaio inox AISI 316L (1.4404)<br>Stainless steel AISI 316L (1.4404)<br>Acier inox AISI 316L (1.4404)<br>Edelstahl AISI 316L (1.4404) | <b>6</b> Guarnizioni<br>Seals<br>Joint d'étanchéité<br>Dichtung<br><br>FPM conforme FDA<br>FPM, FDA compliant<br>FPM conforme à FDA<br>FPM, FDA konform |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|



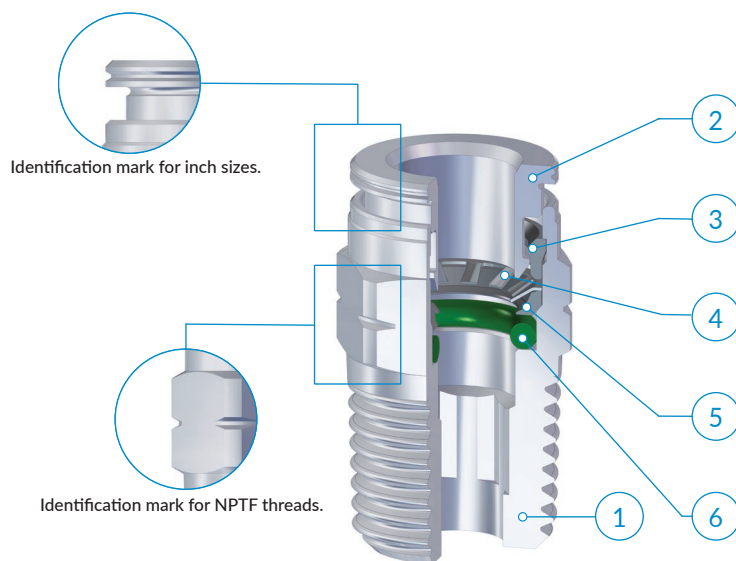
-20° ÷ 180°C



20 bar



-99 KPa



|      | 1/8 NPTF | 1/4 NPTF | 3/8 NPTF | 1/2 NPTF |
|------|----------|----------|----------|----------|
| 5/32 | ●        |          |          |          |
| 1/4  | ●        | ●        |          |          |
| 5/16 |          | ●        |          |          |
| 3/8  |          | ●        | ●        |          |
| 1/2  |          |          | ●        | ●        |

#### Tubi di collegamento consigliati:

Tubo in PVDF, Tubo in PTFE, Tubo in Acciaio Inox (per l'impiego di tubo rigido si veda la Sez. Istruzioni di montaggio)

#### Tolleranze accettabili sui tubi:

+/- 0,07 mm fino a Ø 3/8"  
+/- 0,1 mm Ø 1/2"

#### Campi di applicazione:

Pneumatica, Industria Alimentare, Chimica e Medicale-Farmaceutica

#### Recommended tubings:

PVDF, PTFE and Stainless steel tubes (for rigid hose assembly see the instructions above)

#### Acceptable Tolerances on the tubings:

+/- 0,07 mm up to Ø 3/8"  
+/- 0,1 mm Ø 1/2"

#### Application fields:

Pneumatics, Food Industry, Chemical, Medical and Pharmaceutical Industry

#### Tubes conseillés:

PVDF, Tube PTFE et Tube en acier. (Pour l'emploi avec tubes rigides, voir les instructions d'emploi)

#### Tolerances sur les tubes:

+/- 0,07 mm jusqu'au Ø 3/8"  
+/- 0,1 mm Ø 1/2"

#### Domaines d'application:

Pneumatique, Industrie alimentaire, Chimique, Médicale et Pharmaceutique

#### Empfohlene Schläuche:

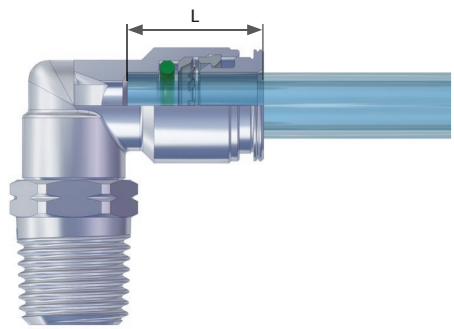
PVDF, PTFE Schlauch und Edelstahlrohr (Bei Montage mit Edelstahlrohr siehe die entsprechenden Montageanweisungen)

#### Schlauchtoleranzen:

+/- 0,07 mm bis Ø 3/8"  
+/- 0,1 mm Ø 1/2"

#### Anwendungsbereiche:

Pneumatik, Nahrungsmittelindustrie, chemische, medikale und pharmazeutische Industrie



| OD   | L    |
|------|------|
| 5/32 | 13,2 |
| 1/4  | 16,1 |
| 5/16 | 16,2 |
| 3/8  | 18,3 |
| 1/2  | 19,5 |

ISTRUZIONI DI MONTAGGIO

ASSEMBLY INSTRUCTIONS

INSTRUCTIONS DE MONTAGE

MONTAGEANWEISUNGEN

- 1

Tagliare il tubo a 90° (servendosi della pinza tagliatubo TCUT) verificando l'assenza di bave interne ed esterne e facendo attenzione che il tubo non si presenti ovalizzato dopo il taglio.
- 1

Cut the tube square (by means of a hose cutter i.e. our TCUT) making sure that no burrs are left and that the tube is not oval.
- 1

Sectionner le tube à 90° par notre coupe tube TCUT en prenant soin de ne par créer des bavures et de ne pas ovaliser le tube.
- 1

Schlauch mittels unserer Schlauchschere (TCUT) 90° abscheiden und entgraten.
- 2

Inserire il tubo nel raccordo spingendolo fino in battuta.
- 2

Insert the tube into the fitting until it bottoms.
- 2

Pousser le tube jusqu' au fond du raccord.
- 2

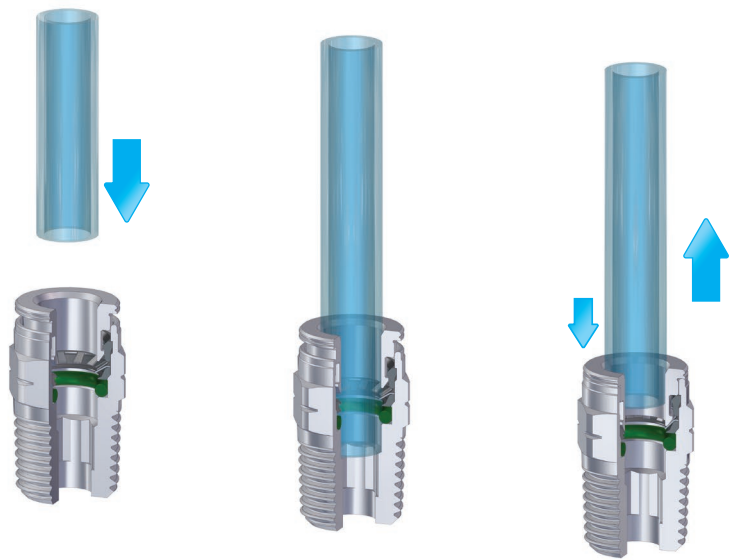
Darauf achten, daß der Schlauch danach nicht oval gequetscht ist und dann ihn bis zum Verschraubungsanschlag einstecken.
- Estrazione del tubo

Esercitare una leggera pressione sull'anello estrattore, estraendo contemporaneamente il tubo dal corpo del raccordo.
- Tube release

While pressing on the release ring, pull out the tube from the fitting.
- Débranchement du tube

Appuyer sur le poussoir en métal et tirer simultanément sur le tube.
- Schlauchlösen

Auf den Druckring drücken und gleichzeitig den Schlauch rausziehen.



- !

Effettuato il collegamento, assicurarsi che il tubo inserito nel raccordo non sia sottoposto ad alcuna forza di trazione; è necessario inoltre rispettare durante il collegamento del tubo il raggio minimo di curvatura consigliato così come riportato nella sezione tubi di questo catalogo tecnico (vedi pag. 376)

Al fine di evitare lo sgancio involontario del tubo nessun oggetto deve venire a contatto con l'anello estrattore del raccordo evitando così l'esercizio di qualsiasi forza indesiderata, anche solo laterale, che potrebbe causare la pressione dell'anello estrattore e conseguente rilascio del tubo.

Per il serraggio delle parti filettate del raccordo si raccomanda di attenersi alle coppie consigliate riportate a pag. 10.
- !

Once the tubing is connected to the fitting, make sure that the tubing is not subject to any tensile strength and that the min. recommended bending radius stated in the tubing section of this catalogue is complied with (see page 376). To prevent any accidental tube release, no components have to come in touch with the release ring and exercise any unwanted pressure on the same. Indeed however lateral, any load on the release ring may cause the tube disconnection.

To tighten threads, please check out our tightening torque chart illustrated at page 10.
- !

Une fois effectué le branchement, s'assurer que le tube inséré dans le raccord n'est soumis à aucune force de traction. Egalement, il est nécessaire de respecter, lors du branchement du tube, le rayon minimum de courbure conseillé dans la section tubes de ce catalogue technique (voir la page 376).

Afin d'éviter le décrochage involontaire du tube, aucun objet ne doit entrer en contact avec la bague d'extraction du raccord, empêchant ainsi l'exercice de toute force indésirable, ne serait-ce que latérale, qui pourrait provoquer la pression de la bague d'extraction et donc le relâchement du tube.

Pour le serrage des parties filetées du raccord, il est recommandé de s'en tenir aux couples de serrage conseillés et reportés à la page 12.
- !

Nach der Schlauchverbindung, sicherstellen, dass der in die Verschraubung eingeführte Schlauch keinen Zugbelastungen ausgesetzt ist; beim Anschluss des Schlauchs muss der empfohlene Mindestbiegeradius eingehalten werden, gemäß den in diesem technischen Katalog im Schlauchabschnitt, angegebenen Hinweisen (siehe Seite 376).

Um das versehentliche Lösen des Schlauchs zu verhindern, darf kein Gegenstand den Lösering der Verschraubung berühren. Keine unerwünschte Kraft darf auch nicht seitlich einwirken und kein Druck soll auf den Lösering ausgeübt werden, denn dies das Schlauchlösen verursachen könnte.

Zum Festziehen der Gewinde sich an den, auf Seite 12, empfohlenen Drehmomente einhalten.

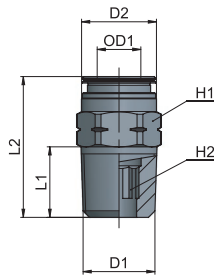
## PX 11

Diritto maschio conico

Taper straight, male

Union simple mâle conique

Gerade Einschraub, kegelig



| Type        | OD1  | D1       | D2  | L1  | L2   | H1 | H2   | g    |
|-------------|------|----------|-----|-----|------|----|------|------|
| 11 5/32 1/8 | 5/32 | 1/8 NPTF | 9,5 | 8,5 | 19,5 | 12 | 1/8  | 9,8  |
| 11 1/4 1/8  | 1/4  | 1/8 NPTF | 12  | 8,5 | 22   | 13 | 5/32 | 10,9 |
| 11 1/4 1/4  | 1/4  | 1/4 NPTF | 12  | 13  | 24,5 | 14 | 5/32 | 18,2 |
| 11 5/16 1/4 | 5/16 | 1/4 NPTF | 14  | 13  | 25,5 | 14 | 1/4  | 16,2 |
| 11 3/8 1/4  | 3/8  | 1/4 NPTF | 16  | 13  | 32   | 17 | 1/4  | 26,2 |
| 11 3/8 3/8  | 3/8  | 3/8 NPTF | 16  | 13  | 25,5 | 18 | 5/16 | 25,9 |
| 11 1/2 3/8  | 1/2  | 3/8 NPTF | 20  | 13  | 29,5 | 21 | 3/8  | 31,9 |
| 11 1/2 1/2  | 1/2  | 1/2 NPTF | 20  | 17  | 30,5 | 22 | 3/8  | 46,5 |

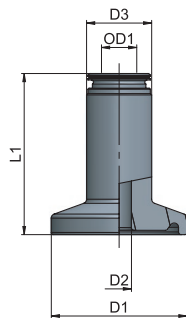
## PX 11 XT

Raccordo automatico con attacco Clamp

Clamp to push-in fitting

Raccord instantané avec connexion clamp

Steckverschraubungen mit Clamp



| Type            | OD1 | D1   | D2   | D3 | L1   | g |
|-----------------|-----|------|------|----|------|---|
| 11 1/4 XT D25   | 1/4 | 25   | 4,55 | 12 | 29,5 | - |
| 11 1/4 XT D50,4 | 1/4 | 50,4 | 4,55 | 12 | 29,5 | - |
| 11 3/8 XT D25   | 3/8 | 25   | 7,75 | 16 | 30   | - |
| 11 3/8 XT D50,4 | 3/8 | 50,4 | 7,75 | 16 | 30   | - |



Surface finishing of the Clamp side: SF1 Class

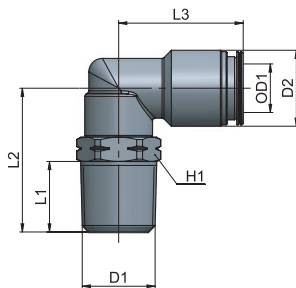
## PX 15

Gomito maschio conico girevole

Taper swivelling elbow fitting, male

Raccord à coude tournant, mâle conique

Schwenkbare Winkel, kegelig



| Type        | OD1  | D1       | D2 | L1  | L2   | L3   | H1 | g    |
|-------------|------|----------|----|-----|------|------|----|------|
| 15 5/32 1/8 | 5/32 | 1/8 NPTF | 9  | 8,5 | 19   | 17,5 | 12 | 12,6 |
| 15 1/4 1/8  | 1/4  | 1/8 NPTF | 12 | 8,5 | 21   | 21,5 | 13 | 21,0 |
| 15 1/4 1/4  | 1/4  | 1/4 NPTF | 12 | 13  | 26   | 21,5 | 14 | 25,3 |
| 15 5/16 1/4 | 5/16 | 1/4 NPTF | 14 | 13  | 26,5 | 22,5 | 14 | 27,3 |
| 15 3/8 1/4  | 3/8  | 1/4 NPTF | 16 | 13  | 29,4 | 25,5 | 17 | 41,2 |
| 15 3/8 3/8  | 3/8  | 3/8 NPTF | 16 | 13  | 29,4 | 25,5 | 18 | 43,0 |
| 15 1/2 3/8  | 1/2  | 3/8 NPTF | 20 | 13  | 32,5 | 28   | 21 | 67,6 |
| 15 1/2 1/2  | 1/2  | 1/2 NPTF | 20 | 17  | 37   | 28   | 22 | 77,1 |

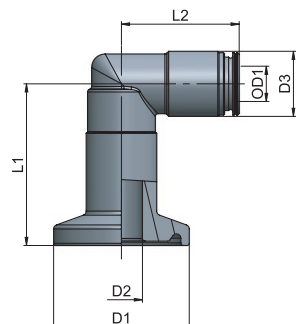
## PX 15 XT

Raccordo automatico a 90° con attacco Clamp

Clamp to push-in 90° fitting

Coude instantané à 90° avec connexion Clamp

90°Winkelsteckverschraubungen mit Clamp



| Type            | OD1 | D1   | D2   | D3 | L1   | L2   | g |
|-----------------|-----|------|------|----|------|------|---|
| 15 1/4 XT D25   | 1/4 | 25   | 7,75 | 12 | 29,8 | 21,5 | - |
| 15 1/4 XT D50,4 | 1/4 | 50,4 | 7,75 | 12 | 29,8 | 21,5 | - |
| 15 3/8 XT D25   | 3/8 | 25   | 7,75 | 16 | 31,8 | 26   | - |
| 15 3/8 XT D50,4 | 3/8 | 50,4 | 7,75 | 16 | 31,8 | 26   | - |



Surface finishing of the Clamp side: SF1 Class

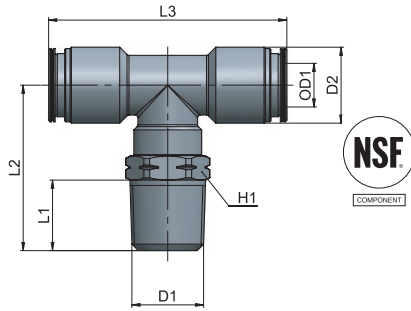
## PX 20

T centrale maschio conico girevole

Swivelling T fitting, taper

Raccord à T tournant, mâle conique

T-Verschraubung, schwenkbar und kegelig



| Type        | OD1  | D1       | D2  | L1  | L2   | L3 | H1 | g    |
|-------------|------|----------|-----|-----|------|----|----|------|
| 20 5/32 1/8 | 5/32 | 1/8 NPTF | 9,5 | 8,5 | 22,5 | 35 | 12 | 18,6 |
| 20 1/4 1/8  | 1/4  | 1/8 NPTF | 12  | 8,5 | 21,5 | 43 | 13 | 29,3 |
| 20 1/4 1/4  | 1/4  | 1/4 NPTF | 12  | 13  | 26,5 | 43 | 14 | 33,8 |
| 20 5/16 1/4 | 5/16 | 1/4 NPTF | 14  | 13  | 30,5 | 43 | 14 | 37,2 |
| 20 3/8 1/4  | 3/8  | 1/4 NPTF | 16  | 13  | 32   | 51 | 17 | 64,4 |
| 20 3/8 3/8  | 3/8  | 3/8 NPTF | 16  | 13  | 32   | 51 | 18 | 66,6 |

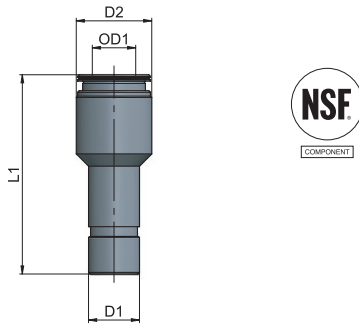
## PX 25

Riduzione

Reducer

Réduction

Reduzierstück



| Type        | OD1  | D1   | D2  | L1   | g    |
|-------------|------|------|-----|------|------|
| 25 5/32 1/4 | 5/32 | 1/4  | 9,5 | 31,5 | 7,7  |
| 25 1/4 5/16 | 1/4  | 5/16 | 12  | 34,5 | 11,7 |
| 25 1/4 3/8  | 1/4  | 3/8  | 12  | 34,5 | 13,8 |
| 25 5/16 3/8 | 5/16 | 3/8  | 14  | 36,5 | 15,4 |

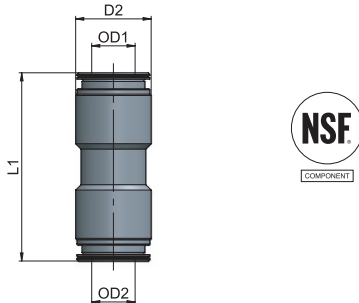
## PX 26

Giunzione intermedia

Union

Union simple égale

Gerade Verbindung



| Type         | OD1  | OD2  | D2  | L1   | g    |
|--------------|------|------|-----|------|------|
| 26 5/32 5/32 | 5/32 | 5/32 | 9,5 | 28   | 8,8  |
| 26 1/4 1/4   | 1/4  | 1/4  | 12  | 33,6 | 14,7 |
| 26 5/16 5/16 | 5/16 | 5/16 | 14  | 34   | 19,7 |
| 26 3/8 3/8   | 3/8  | 3/8  | 16  | 38,6 | 26,8 |
| 26 1/2 1/2   | 1/2  | 1/2  | 20  | 41   | 44,0 |

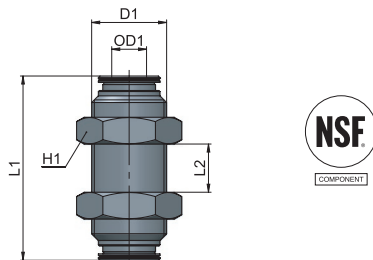
## PX 27

Giunzione intermedia passaparete

Bulkhead union

Union traversée de cloison

Gerade Schott



| Type         | OD1  | D1      | L1 | L2   | H1 | g    |
|--------------|------|---------|----|------|----|------|
| 27 5/32 5/32 | 5/32 | M12x1   | 28 | 11,5 | 16 | 19,8 |
| 27 1/4 1/4   | 1/4  | M14x1   | 34 | 14,5 | 17 | 29,6 |
| 27 5/16 5/16 | 5/16 | M16x1   | 34 | 15,5 | 19 | 36,2 |
| 27 3/8 3/8   | 3/8  | M18x1   | 39 | 17,5 | 21 | 50,0 |
| 27 1/2 1/2   | 1/2  | M22x1,5 | 41 | 18,5 | 26 | 74,8 |

AP 55  
AR 63  
AV 221  
CO 157  
CX 255  
EV 217  
GU 119  
GU Safety 135  
GX 281  
GX Safety 291  
HP 317  
MA 27  
MB 41  
MC 83  
MF 235  
MM 333  
MO 93  
MP 323  
MT 339  
MV 171  
MX 241  
MY 229  
OX 261  
PA 113  
PE 79  
PM 329  
PN 67  
PT 347  
PU 131  
PU Safety 149  
PUX 287  
PV 203  
PVX 311  
PX 249  
QO 363  
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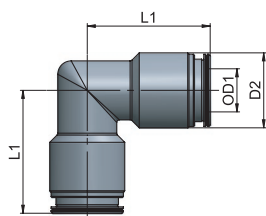
## PX 28

Gomito intermedio

Union elbow

Raccord à coude

Winkelverschraubung



| Type         | OD1  | D2  | L1   | g    |
|--------------|------|-----|------|------|
| 28 5/32 5/32 | 5/32 | 9,5 | 17,5 | 12,7 |
| 28 1/4 1/4   | 1/4  | 12  | 21   | 16,9 |
| 28 5/16 5/16 | 5/16 | 14  | 22,5 | 24,7 |
| 28 3/8 3/8   | 3/8  | 16  | 25,5 | 43,5 |
| 28 1/2 1/2   | 1/2  | 20  | 27,5 | 51,0 |

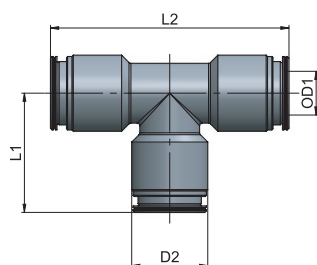
## PX 29

T intermedio

Union T

T égal

T-Verschraubung



| Type         | OD1  | D2  | L1   | L2 | g    |
|--------------|------|-----|------|----|------|
| 29 5/32 5/32 | 5/32 | 9,5 | 17,5 | 35 | 16,0 |
| 29 1/4 1/4   | 1/4  | 12  | 21   | 42 | 28,1 |
| 29 5/16 5/16 | 5/16 | 14  | 21,5 | 43 | 33,0 |
| 29 3/8 3/8   | 3/8  | 16  | 25   | 50 | 57,8 |
| 29 1/2 1/2   | 1/2  | 20  | 27,5 | 55 | 70,0 |