

Edelstahl L

Verschraubungen

Acier inoxydable L

Raccords

Stainless steel L

Unions

5L



KOVAR S.p.A.

Seite/Page/Page

Seite/Page/Page

Seite/Page/Page

Armaturenanschluss
Ecroû de raccordement
Nut connection



SOL 50021

Einstellnippel vormontiert
Embout orientable mâle montée
Adjustable male adaptor assembly



SOL 51625

Kreuzverschraubung
Croix
Cross union



SOL 54021

Gerade Verschraubung
Union double
Straight union



SOL 51021

Reduktionsverschraubung
Réduction
Reduction



SOL 51821

**Sonderausführungen:
Exécution en option:
Optional Services:**



Spezialbehandlung für Einsatz mit Sauerstoff
Traitement spécial pour utilisation sous oxygène
Special treatment for use with oxygen



Spezialbehandlung - silikonfrei
Traitement spécial - sans silicone
Special treatment - silicone free



Spezialreinigung - entfettet
Traitement spécial - sans silicone
Special treatment - degreased



Vorbeschichtete Gewinde mit Loctite 5061
Filetages pré enduits avec Loctite 5061
Pre-coated threads with Loctite 5061



Trockengeschmierte Anschlussmutter
Ecroû enduit d'un lubrifiant sec
Dry lubricated nut

Gerade Einschraubverschraubung
Union mâle
Male adaptor union



SOL 51121

Winkelverschraubung
Coude
Elbow union



SOL 52021

Gerade Aufschraubverschraubung
Union femelle
Female adaptor union



SOL 51221

Einstellwinkel
Coude orientable
Adjustable elbow union



SOL 52621

Verbindungsrippel
Pièce folle
Tube stub



SOL 51300

Winkel-Schottverschraubung
Union double pour passage de cloison
Panel mount union



SOL 52721

Einstellbare Kupplung
Accouplement orientable
Adjustable coupling



SOL 51325

Schwenverschraubung
Coude banjo
Single banjo



SOL 52824

Gerade Schottverschraubung
Union double pour cloison
Panel mount union



SOL 51521

T-Verschraubung
Té
Tee union



SOL 53021

Anschweißverschraubung
Union avec embout à souder
Weld-on union



SOL 51429

L-Verschraubung
L orientable
Adjustable L union



SOL 53621

Edelstahl L

Acier inoxydable L

Stainless steel L

Anwendung

- Halbleiter
- On-Off shore
- Brennstoffzellen
- Bio und Pharma Industrie

Eigenschaften

- hohe Druckbeständigkeit
- einfache robuste Montage dank Anzugsbegrenzung
- korrosionsbeständig
- kompakte Bauform
- radiale De- Montage
- Totraum arm
- sehr gute Vibrationsresistenz

Werkstoff

Edelstahl 1.4571, Legierung X 6 CrNiMoTi 17 12 2, DIN EN 10216-5 (≈ AISI 316 Ti)

Nenndruck PN (stat.)

200-400 bar, Details siehe Produktetabelle (4fache Sicherheit)

Temperaturbereich

-110°C bis +300°C

Helium - Leckrate

≤ 10⁻⁶mbar • l/s

Vakuum

10⁻⁶ mbar

Anzuschliessende Rohre

Kunststoffrohre und Edelstahlrohre nahtlos, kaltgezogen, zunderfrei (DIN 17458), Toleranzen nach DIN EN 10216-5, max. Härte: 185 HV(HRB90) weitere Angaben siehe Kapitel Anhang

Werkzeugnis

2.2 nach EN 10204 , inkl. Materialangabe

Zulassungen/Zertifizierungen

DVGW-Gas, SVGW-Gas, ECE/324/Reg.110
«Einheitliche Vorschriften für Bauteile von Kraftfahrzeugen, die mit verdichtetem Erdgas (CNG) betrieben werden»

Einschraubzapfen, Gewinde

Feingewinde DIN 3852, kegelig nach Form C, zylindrisch nach Form B, mit Dichtkante nach Form E. NPT-Gewinde nach ANSI/ASME B1.20.1-1983. UNF/UN Gewinde SAE 514.

Druckauswertungsgrad in % des PN



Application

- semi-conducteur
- on-off shore
- cellules de carburant
- industries bio et pharmaceutique

Propriétés

- haute résistance de pression
- montage facile et solide grace à la limitation de serrage
- résistant à la corrosion
- construction compacte
- démontage radiale
- faible volume mort
- très bonne résistance à la vibration

Matériau

Acier inoxydable 1.4571 avec l'alliage X 6 CrNiMoTi 17 12 2, DIN EN 10216-5 (≈ AISI 316 Ti).

Pression nominale PN (stat.)

200-400 bar, détails voir tableaux des produits (facteur de sécurité 4)

Plage de température admissible

-110°C bis +300°C

Débit de fuite avec Hélium

≤ 10⁻⁶mbar • l/s

Vide

10⁻⁶ mbar

Tubes a utiliser

Tubes en plastique et en acier inoxydable sans soudure, réétrié à froid, recuit blanc (DIN 17458) marge de tolérance selon DIN EN 10216-5, trempe max.: 185 HV(HRB90), autres informations voir chapitre annexe

Certificat

2.2 selon EN 10204, indiquant le matériel

Homologations

SSIGE-gaz, DVGW-gaz, ECE/324/Reg.110
«Prescriptions uniformes relatives à l'homologation : des organes spéciaux pour l'alimentation du moteur au gaz naturel comprimé (gnc) sur les véhicules»

Embouts mâles, filetages

Filetage-gaz (BSP) et filetage métrique à pas fin DIN 3852. Conique selon forme C. Cylindrique selon forme B. Filetage d'étanchéité selon forme E. Filetage NPT selon ANSI/ASME B1.20.1-1983. Filetage UNF/UN correspondent à SAE 514.

Coefficient de pression de service admissible en % de PN

Application

- semiconductors
- on/offshore
- fuel cells
- biotechnology and pharmaceuticals

Characteristics/specifications

- high pressure resistance
- easy, robust assembly due to tightening limitation
- corrosion resistant
- compact design
- radial dismounting
- minimal dead space
- very good resistance to vibration

Material

Stainless steel 1.4571 with the alloy X 6 CrNiMoTi 17 12 2, DIN EN 10216-5 (≈ AISI 316 Ti).

Nominal pressure PN (stat.)

200-400 bar; for details, see product tables (safety factor 4)

Temperature range

-110°C bis +300°C

Leak rate with helium

≤ 10⁻⁶mbar • l/s

Vacuum

10⁻⁶ mbar

Tubes to use

Plastic tubes and stainless steel tubes, seamless, cold drawn, de-scaled (DIN 17458), tolerances per DIN EN 10216-5, max. hardness: 185 HV(HRB90), for more information, see appendix

Certificates

2.2 per EN 10204 , incl. materials specification

Approvals

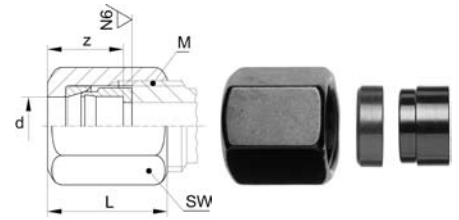
DVGW-Gas, SVGW-Gas, ECE/324/Reg.110
«Uniform provision concerning the approval of specific components of motor vehicles using compressed natural gas (cng) in their propulsion system»

Adaptor stem, threads

British Standard Pipe (BSP) and metric fine thread DIN 3852. Tapered form C, parallel form B. Thread with sealing form E. NPT-thread according to ANSI/ASME B1.20.1-1983. UNF/UN threads in accordance with SAE 514.

Pressure coefficient % of PN

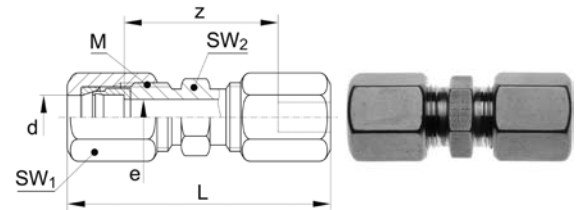
Armaturenanschluss Ecrou de raccordement Nut connection



SOL 50021

| Type-d | Mat.-Nr. | bar | M | SW | L | z | kg/100 |
|---------------------|----------------------|-----|------------------|----|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | |
| SOL 50021-6 | 076.0210.060 | 400 | 10 x 1 | 14 | 17,5 | 10,0 | 1.650 |
| SOL 50021-8 | 076.0210.080 | 330 | 12 x 1 | 17 | 18,5 | 10,5 | 2.500 |
| SOL 50021-10 | 076.0210.100 | 330 | 14 x 1 | 19 | 20,5 | 12,5 | 3.270 |
| SOL 50021-12 | 076.0210.120 | 330 | 16 x 1 | 22 | 21,5 | 13,5 | 4.600 |
| SOL 50021-15 | 076.0210.150 | 250 | 20 x 1,5 | 27 | 25,0 | 15,0 | 7.860 |
| SOL 50021-16 | 076.0210.160 | 250 | 24 x 1,5 | 30 | 26,5 | 18,5 | 10.400 |
| SOL 50021-18 | 076.0210.180 | 200 | 24 x 1,5 | 30 | 26,5 | 17,5 | 9.500 |
| Für Zollrohre | Pour tubes pouces | | For inch tubes | | | | |
| SOL 50021-6,35 | 076.0210.063 | 400 | 10 x 1 | 14 | 17,5 | 10,5 | 1.700 |
| SOL 50021-9,52 | 076.0210.095 | 330 | 14 x 1 | 19 | 20,5 | 12,5 | 3.600 |
| SOL 50021-12,7 | 076.0210.127 | 330 | 20 x 1,5 | 27 | 25,0 | 15,0 | 8.700 |

Gerade Verschraubung Union double Straight union



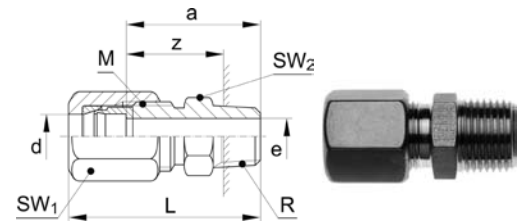
SOL 51021

| Type-d | Mat.-Nr. | bar | M | SW1 | SW2 | L | z | e | kg/100 |
|---------------------|----------------------|-----|------------------|-----|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | |
| SOL 51021-6 | 078.1020.060 | 400 | 10 x 1 | 14 | 10 | 42,0 | 22,4 | 4,5 | 4.180 |
| SOL 51021-8 | 078.1020.080 | 330 | 12 x 1 | 17 | 12 | 43,0 | 24,9 | 6,5 | 6.250 |
| SOL 51021-10 | 078.1020.100 | 330 | 14 x 1 | 19 | 14 | 47,0 | 25,9 | 8,5 | 8.190 |
| SOL 51021-12 | 078.1020.120 | 330 | 16 x 1 | 22 | 17 | 49,0 | 26,4 | 10,5 | 11.340 |
| SOL 51021-15 | 078.1020.150 | 250 | 20 x 1,5 | 27 | 22 | 53,0 | 31,6 | 13,0 | 19.520 |
| SOL 51021-16 | 078.1020.160 | 200 | 24 x 1,5 | 30 | 24 | 60,0 | 33,0 | 15,0 | 26.460 |
| SOL 51021-18 | 078.1020.180 | 200 | 24 x 1,5 | 30 | 24 | 58,0 | 33,0 | 15,0 | 24.660 |
| Für Zollrohre | Pour tubes pouces | | For inch tubes | | | | | | |
| SOL 51021-6,35 | 078.1020.063 | 400 | 10 x 1 | 14 | 10 | 41,5 | 22,4 | 4,5 | 4.300 |
| SOL 51021-9,52 | 078.1020.095 | 330 | 14 x 1 | 19 | 14 | 45,0 | 25,9 | 8,5 | 8.900 |
| SOL 51021-12,7 | 078.1020.127 | 330 | 20 x 1,5 | 27 | 22 | 58,5 | 32,0 | 13,0 | 21.700 |

Gerade Einschraubverschraubung

Union mâle

Male adaptor union



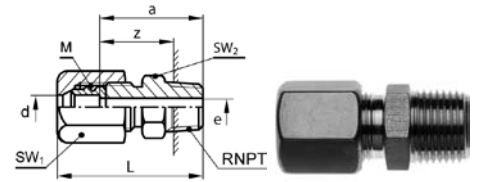
SOL 51121

| Type -d-R | Mat.-Nr. | bar | M | SW1 | SW2 | a | L | z | e | kg/100 | |
|-------------------------|------------------------------|-----|----------|------------------------|-----|------|------|------|------|--------|--|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | |
| R=Rohrgewinde (kegelig) | R=Filetage-gaz BSP (conique) | | | R=BSP thread (tapered) | | | | | | | |
| SOL 51121-6-1/8 | 078.1101.100 | 400 | 10 x 1 | 14 | 10 | 21.0 | 31.0 | 17.0 | 4.5 | 2.550 | |
| SOL 51121-6-1/4 | 078.1101.110 | 400 | 10 x 1 | 14 | 14 | 27.0 | 37.0 | 21.0 | 4.5 | 3.650 | |
| SOL 51121-6-3/8 | 078.1101.120 | 400 | 10 x 1 | 14 | 17 | 27.0 | 37.0 | 20.6 | 4.5 | 4.040 | |
| SOL 51121-6-1/2 | 078.1101.125 | 400 | 10 x 1 | 14 | 22 | 32.0 | 42.0 | 23.8 | 4.5 | 6.160 | |
| SOL 51121-8-1/8 | 078.1101.160 | 330 | 12 x 1 | 17 | 12 | 22.0 | 32.5 | 18.0 | 6.0 | 3.540 | |
| SOL 51121-8-1/4 | 078.1101.170 | 330 | 12 x 1 | 17 | 14 | 28.0 | 38.5 | 22.0 | 6.5 | 4.430 | |
| SOL 51121-8-3/8 | 078.1101.180 | 330 | 12 x 1 | 17 | 17 | 28.0 | 38.5 | 21.6 | 6.5 | 4.520 | |
| SOL 51121-8-1/2 | 078.1101.185 | 330 | 12 x 1 | 17 | 22 | 33.0 | 43.5 | 24.8 | 6.5 | 7.050 | |
| SOL 51121-10-1/4 | 078.1101.270 | 330 | 14 x 1 | 19 | 14 | 28.0 | 40.5 | 22.0 | 8.5 | 5.020 | |
| SOL 51121-10-3/8 | 078.1101.280 | 330 | 14 x 1 | 19 | 17 | 28.0 | 40.5 | 21.6 | 8.5 | 6.130 | |
| SOL 51121-10-1/2 | 078.1101.285 | 330 | 14 x 1 | 19 | 22 | 33.0 | 45.5 | 24.8 | 8.5 | 9.290 | |
| SOL 51121-12-1/4 | 078.1101.380 | 330 | 16 x 1 | 22 | 17 | 28.0 | 41.5 | 22.0 | 8.5 | 6.980 | |
| SOL 51121-12-3/8 | 078.1101.390 | 330 | 16 x 1 | 22 | 17 | 28.0 | 41.5 | 21.6 | 10.5 | 7.180 | |
| SOL 51121-12-1/2 | 078.1101.400 | 330 | 16 x 1 | 22 | 22 | 33.0 | 46.5 | 24.8 | 10.5 | 10.050 | |
| SOL 51121-15-3/8 | 078.1101.532 | 250 | 20 x 1.5 | 27 | 22 | 30.5 | 45.5 | 24.1 | 10.5 | 12.490 | |
| SOL 51121-15-1/2 | 078.1101.534 | 250 | 20 x 1.5 | 27 | 22 | 35.5 | 50.5 | 27.3 | 13.0 | 12.680 | |
| SOL 51121-16-1/2 | 078.1101.566 | 200 | 24 x 1.5 | 30 | 24 | 36.5 | 55.0 | 28.3 | 13.5 | 16.500 | |
| SOL 51121-16-3/4 | 078.1101.568 | 200 | 24 x 1.5 | 30 | 27 | 36.5 | 55.0 | 27.0 | 15.0 | 17.680 | |
| SOL 51121-18-1/2 | 078.1101.646 | 200 | 24 x 1.5 | 30 | 24 | 36.5 | 54.0 | 28.3 | 13.5 | 15.100 | |
| SOL 51121-18-3/4 | 078.1101.648 | 200 | 24 x 1.5 | 30 | 27 | 37.5 | 55.0 | 27.0 | 15.0 | 16.280 | |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | |
| SOL 51121-6,35-1/8 | 078.1101.135 | 400 | 10 x 1 | 14 | 10 | 21.0 | 31.0 | 25.0 | 4.5 | 2.600 | |
| SOL 51121-6,35-1/4 | 078.1101.140 | 400 | 10 x 1 | 14 | 14 | 27.0 | 37.0 | 33.0 | 4.5 | 3.700 | |
| SOL 51121-6,35-3/8 | 078.1101.145 | 400 | 10 x 1 | 14 | 17 | 27.0 | 37.0 | 21.0 | 4.5 | 4.100 | |
| SOL 51121-9,52-1/4 | 078.1101.230 | 330 | 14 x 1 | 19 | 14 | 28.0 | 40.0 | 22.0 | 8.5 | 5.500 | |
| SOL 51121-9,52-3/8 | 078.1101.235 | 330 | 14 x 1 | 19 | 17 | 28.0 | 40.0 | 22.0 | 8.5 | 6.600 | |
| SOL 51121-12,7-1/2 | 078.1101.434 | 250 | 20 x 1.5 | 27 | 22 | 35.5 | 48.5 | 27.5 | 13.0 | 9.600 | |

Gerade Einschraubverschraubung NPT

Raccordo diritto filettato maschio NPT

Male adaptor union NPT



SOL 51121 NPT

| Type -d -RNPT | Mat.-Nr. | bar | M | SW1 | SW2 | a | L | z | e | kg/100 |
|------------------------|---------------------------|-----|----------|------------------|-----|------|------|------|------|--------|
| Für metrische Rohre | Per tubi in unita metrica | | | For metric tubes | | | | | | |
| RNPT=NPT Gewinde | RNPT=Filettatura NPT | | | RNPT=NPT thread | | | | | | |
| SOL 51121-6-1/8 NPT | 078.1102.100 | 400 | 10 x 1 | 14 | 12 | 24.0 | 34.0 | 19.9 | 4.5 | 2.820 |
| SOL 51121-6-1/4 NPT | 078.1102.110 | 400 | 10 x 1 | 14 | 14 | 29.0 | 39.0 | 23.2 | 4.5 | 3.830 |
| SOL 51121-8-1/8 NPT | 078.1102.160 | 330 | 12 x 1 | 17 | 12 | 25.0 | 35.5 | 20.9 | 6.0 | 4.120 |
| SOL 51121-8-1/4 NPT | 078.1102.170 | 330 | 12 x 1 | 17 | 14 | 30.0 | 40.5 | 24.2 | 6.5 | 4.600 |
| SOL 51121-8-3/8 NPT | 078.1102.180 | 330 | 12 x 1 | 17 | 17 | 30.0 | 40.5 | 23.9 | 6.5 | 5.450 |
| SOL 51121-8-1/2 NPT | 078.1102.185 | 330 | 12 x 1 | 17 | 22 | 36.0 | 46.5 | 27.9 | 6.5 | 7.090 |
| SOL 51121-10-1/4 NPT | 078.1102.270 | 330 | 14 x 1 | 19 | 14 | 30.0 | 42.5 | 24.2 | 8.5 | 5.130 |
| SOL 51121-10-1/2 NPT | 078.1102.285 | 330 | 14 x 1 | 19 | 22 | 36.0 | 48.5 | 27.9 | 8.5 | 9.760 |
| SOL 51121-12-1/4 NPT | 078.1102.380 | 330 | 16 x 1 | 22 | 17 | 30.0 | 43.5 | 24.2 | 8.5 | 7.040 |
| SOL 51121-12-3/8 NPT | 078.1102.390 | 330 | 16 x 1 | 22 | 17 | 30.0 | 43.5 | 23.9 | 10.5 | 7.330 |
| SOL 51121-12-1/2 NPT | 078.1102.400 | 330 | 16 x 1 | 22 | 22 | 36.0 | 49.5 | 27.9 | 10.5 | 10.520 |
| SOL 51121-12-3/4 NPT | 078.1102.405 | 330 | 16 x 1 | 22 | 27 | 39.0 | 52.5 | 30.4 | 10.5 | 11.390 |
| SOL 51121-15-1/2 NPT | 078.1102.534 | 250 | 20 x 1.5 | 27 | 22 | 38.5 | 53.5 | 30.4 | 13.0 | 13.040 |
| SOL 51121-16-1/2 NPT | 078.1102.566 | 200 | 24 x 1.5 | 30 | 24 | 39.5 | 58.0 | 31.4 | 13.5 | 20.850 |
| SOL 51121-18-1/2 NPT | 078.1102.646 | 200 | 24 x 1.5 | 30 | 24 | 39.5 | 57.0 | 31.4 | 13.5 | 19.950 |
| Für Zollrohre | Per tubi in unita pollici | | | For inch tubes | | | | | | |
| SOL 51121-6,35-1/8 NPT | 078.1102.135 | 400 | 10 x 1 | 14 | 12 | 24.0 | 33.0 | 20.0 | 4.5 | 3.000 |
| SOL 51121-6,35-1/4 NPT | 078.1102.140 | 400 | 10 x 1 | 14 | 14 | 29.0 | 38.0 | 23.5 | 4.5 | 4.000 |
| SOL 51121-9,52-1/4 NPT | 078.1102.230 | 330 | 14 x 1 | 19 | 14 | 30.0 | 47.0 | 24.5 | 8.5 | 5.700 |
| SOL 51121-12,7-1/2 NPT | 078.1102.434 | 250 | 20 x 1.5 | 27 | 22 | 38.5 | 50.0 | 30.5 | 13.0 | 14.900 |

Gerade Einschraubverschraubung zylindrisch

METR

mit Dichtkante

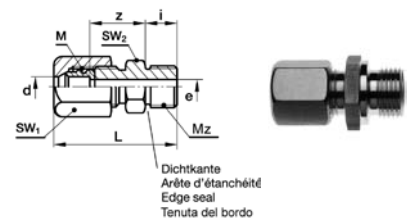
Raccordo diritto METR

con tenuta del bordo

Male adaptor union with parallel thread

METR

with edge seal



SOL 51124 METR

| Type -d -Mz | Mat.-Nr. | bar | M | SW1 | SW2 | i | L | z | e | kg/100 |
|-------------------------------------|-------------------------------------|-----|--------|-----------------------------|-----|-----|------|------|------|--------|
| Für metrische Rohre | Per tubi in unita metrica | | | For metric tubes | | | | | | |
| Mz=metrisches Gewinde (zylindrisch) | Mz=Filettatura metrica (cilindrica) | | | Mz=Metric thread (straight) | | | | | | |
| SOL 51124-6-M5 | 078.1143.155 | 400 | 10 x 1 | 14 | 10 | 4.5 | 27.5 | 13.0 | 2.2 | 2.300 |
| Für Zollrohre | Per tubi in unita pollici | | | For inch tubes | | | | | | |
| SOL 51124-6,35-M5 | 078.1143.205 | 400 | 10 x 1 | 14 | 10 | 4.5 | 26.5 | 13.0 | 22.0 | 8.100 |

d=Rohrøussen-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=diametro esterno del tubo
e=foro minimo di passaggio
L=dimensione raccordo montato

d=tube outside diameter
e=minimum bore
L=installed length

Gerade Einschraubverschraubung zylindrisch

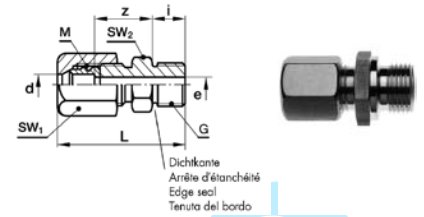
mit Dichtkante

Raccordo diritto

con tenuta del bordo

Male adaptor union with parallel thread

with edge seal



SOL 51124

| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | i | L | z | e | kg/100 |
|-----------------------------|--------------------------------|-----|----------|-----|-----|-------------------------|------|------|------|--------|
| Für metrische Rohre | Per tubi in unita metrica | | | | | For metric tubes | | | | |
| G=Rohrgewinde (zylindrisch) | G=Filettatura BSP (cilindrica) | | | | | G=BSP thread (straight) | | | | |
| SOL 51124-6-1/8 | 078.1141.100 | 400 | 10 x 1 | 14 | 14 | 8.0 | 32.5 | 14.5 | 4.5 | 2.900 |
| SOL 51124-6-1/4 | 078.1141.110 | 400 | 10 x 1 | 14 | 19 | 12.0 | 38.0 | 16.0 | 4.5 | 4.400 |
| SOL 51124-6-3/8 | 078.1141.120 | 400 | 10 x 1 | 14 | 22 | 12.0 | 39.5 | 17.5 | 4.5 | 4.400 |
| SOL 51124-6-1/2 | 078.1141.125 | 400 | 10 x 1 | 14 | 27 | 14.0 | 42.0 | 18.0 | 4.5 | 7.600 |
| SOL 51124-8-1/8 | 078.1141.160 | 330 | 12 x 1 | 17 | 14 | 8.0 | 34.0 | 15.5 | 5.0 | 5.200 |
| SOL 51124-8-1/4 | 078.1141.170 | 330 | 12 x 1 | 17 | 19 | 12.0 | 39.5 | 17.0 | 6.5 | 4.400 |
| SOL 51124-8-1/2 | 078.1141.185 | 330 | 12 x 1 | 17 | 27 | 14.0 | 43.5 | 19.0 | 6.5 | 8.200 |
| SOL 51124-10-1/4 | 078.1141.270 | 330 | 14 x 1 | 19 | 19 | 12.0 | 41.5 | 17.0 | 8.5 | 6.000 |
| SOL 51124-10-3/8 | 078.1141.280 | 330 | 14 x 1 | 19 | 22 | 12.0 | 43.0 | 18.5 | 8.5 | 7.500 |
| SOL 51124-10-1/2 | 078.1141.285 | 330 | 14 x 1 | 19 | 27 | 14.0 | 45.5 | 19.0 | 8.5 | 10.300 |
| SOL 51124-10-3/4 | 078.1141.290 | 400 | 14 x 1 | 19 | 32 | 16.0 | 46.0 | 20.0 | 8.5 | 12.600 |
| SOL 51124-12-1/4 | 078.1141.380 | 330 | 16 x 1 | 22 | 19 | 12.0 | 42.5 | 17.0 | 7.0 | 7.600 |
| SOL 51124-12-3/8 | 078.1141.390 | 330 | 16 x 1 | 22 | 22 | 12.0 | 44.0 | 18.5 | 10.5 | 8.400 |
| SOL 51124-12-1/2 | 078.1141.400 | 330 | 16 x 1 | 22 | 27 | 14.0 | 46.5 | 19.0 | 10.5 | 9.900 |
| SOL 51124-12-3/4 | 078.1141.405 | 400 | 16 x 1 | 22 | 32 | 16.0 | 49.5 | 20.0 | 10.5 | 12.100 |
| SOL 51124-15-1/2 | 078.1141.534 | 250 | 20 x 1.5 | 27 | 27 | 14.0 | 50.5 | 21.5 | 13.0 | 14.000 |
| SOL 51124-16-1/2 | 078.1141.566 | 200 | 24 x 1.5 | 30 | 27 | 14.0 | 54.0 | 21.5 | 13.5 | 18.200 |
| SOL 51124-16-1 | 078.1141.570 | 200 | 24 x 1.5 | 30 | 41 | 18.0 | 60.0 | 23.5 | 13.5 | 22.500 |
| SOL 51124-18-1/2 | 078.1141.646 | 200 | 24 x 1.5 | 30 | 27 | 14.0 | 53.0 | 21.5 | 13.5 | 16.700 |
| Für Zollrohre | Per tubi in unita pollici | | | | | For inch tubes | | | | |
| SOL 51124-6,35-1/8 | 078.1141.135 | 400 | 10 x 1 | 14 | 14 | 8.0 | 31.5 | 14.5 | 4.5 | 3.000 |
| SOL 51124-6,35-1/4 | 078.1141.140 | 330 | 10 x 1 | 14 | 19 | 12.0 | 37.0 | 16.0 | 4.5 | 3.000 |
| SOL 51124-6,35-3/8 | 078.1141.145 | 400 | 10 x 1 | 14 | 22 | 12.0 | 38.5 | 17.5 | 4.5 | 5.500 |
| SOL 51124-6,35-1/2 | 078.1141.150 | 400 | 10 x 1 | 14 | 27 | 14.0 | 41.0 | 18.0 | 4.5 | 7.700 |
| SOL 51124-9,52-1/4 | 078.1141.230 | 330 | 14 x 1 | 19 | 19 | 12.0 | 40.0 | 17.0 | 8.5 | 6.500 |
| SOL 51124-9,52-3/8 | 078.1141.235 | 400 | 14 x 1 | 19 | 22 | 12.0 | 41.5 | 18.5 | 8.5 | 7.900 |
| SOL 51124-9,52-1/2 | 078.1141.240 | 400 | 14 x 1 | 19 | 27 | 14.0 | 44.0 | 19.0 | 8.5 | 10.800 |
| SOL 51124-12,7-1/2 | 078.1141.434 | 400 | 20 x 1.5 | 27 | 27 | 14.0 | 47.0 | 21.5 | 13.0 | 15.300 |
| SOL 51124-12,7-3/4 | 078.1141.536 | 400 | 20 x 1.5 | 17 | 32 | 16.0 | 53.5 | 22.5 | 13.0 | 15.100 |

5L

d=Rohrassens-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=diametro esterno del tubo
e=foro minimo di passaggio
L=dimensione raccordo montato

d=tube outside diameter
e=minimum bore
L=installed length

Gerade Einschraubverschraubung

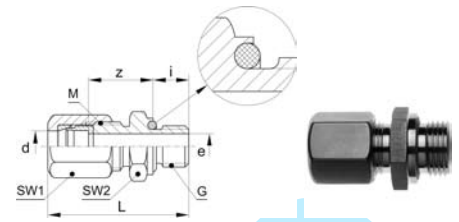
mit O-Ringabdichtung (FPM)

Union mâle

avec joint torique (FPM)

Male adaptor union

with O-ring seal (FPM)



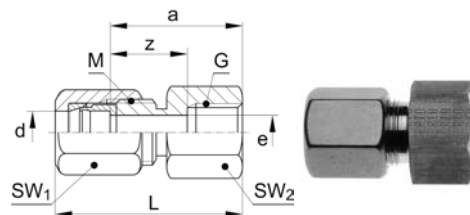
SOL 51124 OR

| Type - d - G | Mat.-Nr. | bar | M | SW1 | SW2 | i | L | z | e | D | s | kg/100 |
|-----------------------------|----------------------------------|-----|----------|-------------------------|-----|------|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | |
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | | | G=BSP thread (straight) | | | | | | | | |
| SOL 51124-6-1/8 OR | 078.1171.100 | 400 | 10 x 1 | 14 | 14 | 8.0 | 32.5 | 14.5 | 4.5 | 15.0 | 1.00 | 2.960 |
| SOL 51124-6-1/4 OR | 078.1171.110 | 400 | 10 x 1 | 14 | 19 | 10.0 | 36.0 | 16.0 | 4.5 | 19.0 | 1.50 | 4.260 |
| SOL 51124-8-1/4 OR | 078.1171.170 | 330 | 12 x 1 | 17 | 19 | 10.0 | 37.5 | 17.0 | 6.5 | 19.0 | 1.50 | 5.150 |
| SOL 51124-10-1/4 OR | 078.1171.270 | 330 | 14 x 1 | 19 | 19 | 10.0 | 39.5 | 17.0 | 7.0 | 19.0 | 1.50 | 5.890 |
| SOL 51124-10-3/8 OR | 078.1171.280 | 330 | 14 x 1 | 19 | 22 | 10.0 | 41.0 | 18.5 | 8.5 | 23.0 | 2.00 | 7.390 |
| SOL 51124-12-3/8 OR | 078.1171.390 | 330 | 16 x 1 | 22 | 22 | 10.0 | 42.0 | 18.5 | 10.5 | 23.0 | 2.00 | 8.390 |
| SOL 51124-12-1/2 OR | 078.1171.400 | 330 | 16 x 1 | 22 | 27 | 12.0 | 44.5 | 19.0 | 10.5 | 27.0 | 2.50 | 9.790 |
| SOL 51124-15-1/2 OR | 078.1171.534 | 250 | 20 x 1.5 | 27 | 27 | 12.0 | 48.5 | 21.5 | 13.0 | 27.0 | 2.50 | 13.850 |
| SOL 51124-16-1/2 OR | 078.1171.566 | 200 | 24 x 1.5 | 30 | 27 | 12.0 | 52.0 | 21.5 | 13.0 | 27.0 | 2.50 | 17.850 |
| SOL 51124-18-1/2 OR | 078.1171.646 | 200 | 24 x 1.5 | 30 | 27 | 12.0 | 51.0 | 21.5 | 13.0 | 27.0 | 2.50 | 16.450 |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | | |
| SOL 51124-6,35-1/8 OR | 078.1171.135 | 400 | 10 x 1 | 14 | 14 | 8.0 | 31.5 | 14.5 | 4.5 | 15.0 | 1.00 | 3.000 |
| SOL 51124-6,35-1/4 OR | 078.1171.140 | 400 | 10 x 1 | 14 | 19 | 10.0 | 35.0 | 16.0 | 4.5 | 19.0 | 1.50 | 4.300 |
| SOL 51124-9,52-1/4 OR | 078.1171.230 | 330 | 14 x 1 | 19 | 19 | 10.0 | 38.0 | 17.0 | 7.0 | 19.0 | 1.50 | 6.300 |
| SOL 51124-9,52-3/8 OR | 078.1171.235 | 330 | 14 x 1 | 19 | 22 | 10.0 | 39.0 | 18.5 | 8.5 | 23.0 | 2.00 | 7.600 |
| SOL 51124-12,7-1/2 OR | 078.1171.434 | 330 | 20 x 1.5 | 27 | 27 | 12.0 | 45.0 | 21.5 | 13.0 | 27.0 | 2.50 | 14.700 |

d=Rohrussen-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=ø extérieur du tube
e= ø-min. de passage
L=après montage

d=tube outside diameter
e=minimum bore
L=installed length

Gerade Aufschraubverschraubung
Union femelle
Female adaptor union

SOL 51221

| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | a | L | z | e | kg/100 |
|-----------------------------|----------------------------------|-----|-------------------------|-----|-----|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | | |
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | | G=BSP thread (straight) | | | | | | | |
| SOL 51221-6-1/8 | 078.1201.100 | 400 | 10 x 1 | 14 | 14 | 22.0 | 32.0 | 12.0 | 4.5 | 3.000 |
| SOL 51221-6-1/4 | 078.1201.110 | 400 | 10 x 1 | 14 | 17 | 24.0 | 34.0 | 13.0 | 4.5 | 3.700 |
| SOL 51221-6-3/8 | 078.1201.120 | 400 | 10 x 1 | 14 | 22 | 25.0 | 35.0 | 13.0 | 4.5 | 5.200 |
| SOL 51221-6-1/2 | 078.1201.125 | 400 | 10 x 1 | 14 | 27 | 31.0 | 41.0 | 17.0 | 4.5 | 9.000 |
| SOL 51221-8-1/4 | 078.1201.170 | 330 | 12 x 1 | 17 | 17 | 25.0 | 35.5 | 14.0 | 6.5 | 4.500 |
| SOL 51221-10-1/4 | 078.1201.270 | 330 | 14 x 1 | 19 | 17 | 25.0 | 37.5 | 14.0 | 8.5 | 5.600 |
| SOL 51221-10-3/8 | 078.1201.280 | 330 | 14 x 1 | 19 | 22 | 26.0 | 38.5 | 14.0 | 8.5 | 6.900 |
| SOL 51221-10-1/2 | 078.1201.285 | 330 | 14 x 1 | 19 | 27 | 28.0 | 40.5 | 14.0 | 8.5 | 9.000 |
| SOL 51221-12-1/4 | 078.1201.380 | 330 | 16 x 1 | 22 | 17 | 25.0 | 38.5 | 14.0 | 10.5 | 6.900 |
| SOL 51221-12-3/8 | 078.1201.390 | 330 | 16 x 1 | 22 | 22 | 26.0 | 39.5 | 14.0 | 10.5 | 8.200 |
| SOL 51221-12-1/2 | 078.1201.400 | 330 | 16 x 1 | 22 | 27 | 28.0 | 41.5 | 14.0 | 10.5 | 10.200 |
| SOL 51221-15-1/2 | 078.1201.534 | 250 | 20 x 1.5 | 27 | 27 | 30.5 | 45.5 | 16.5 | 13.0 | 13.700 |
| SOL 51221-16-1/2 | 078.1201.566 | 200 | 24 x 1.5 | 30 | 27 | 30.5 | 49.0 | 16.5 | 15.0 | 17.500 |
| SOL 51221-18-1/2 | 078.1201.646 | 200 | 24 x 1.5 | 30 | 27 | 30.5 | 48.0 | 16.5 | 15.0 | 16.100 |

Für Zollrohre

Pour tubes pouces

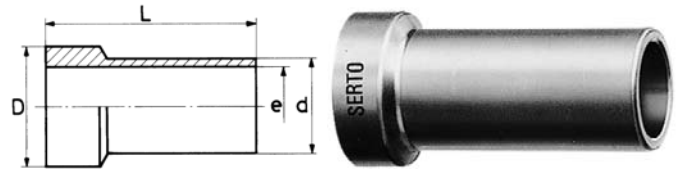
For inch tubes

| | | | | | | | | | | |
|--------------------|--------------|-----|----------|----|----|------|------|------|------|--------|
| SOL 51221-6,35-1/8 | 078.1201.135 | 400 | 10 x 1 | 14 | 14 | 22.0 | 31.0 | 12.0 | 4.5 | 3.200 |
| SOL 51221-6,35-1/4 | 078.1201.140 | 400 | 10 x 1 | 14 | 17 | 24.0 | 33.0 | 13.0 | 4.5 | 3.900 |
| SOL 51221-6,35-3/8 | 078.1201.145 | 400 | 10 x 1 | 14 | 22 | 25.0 | 34.0 | 13.0 | 4.5 | 5.400 |
| SOL 51221-6,35-1/2 | 078.1201.150 | 400 | 10 x 1 | 14 | 27 | 31.0 | 40.0 | 17.0 | 4.5 | 9.300 |
| SOL 51221-9,52-1/4 | 078.1201.230 | 330 | 14 x 1 | 19 | 17 | 25.0 | 36.0 | 14.0 | 8.5 | 6.000 |
| SOL 51221-9,52-3/8 | 078.1201.235 | 330 | 14 x 1 | 19 | 22 | 26.0 | 37.0 | 14.0 | 8.5 | 7.500 |
| SOL 51221-9,52-1/2 | 078.1201.240 | 330 | 14 x 1 | 19 | 27 | 28.0 | 39.0 | 14.0 | 8.5 | 9.600 |
| SOL 51221-12,7-1/2 | 078.1201.434 | 250 | 20 x 1.5 | 27 | 27 | 28.5 | 40.0 | 14.5 | 10.5 | 14.700 |

d=Rohrussen-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=ø extérieur du tube
e=ø-min. de passage
L=après montage

d=tube outside diameter
e=minimum bore
L=installed length

Verbindungsrippel
Pièce folle
Tube stub
SOL 51300


| Type -Ad | Mat.-Nr. | bar | D | L | e | kg/100 |
|---------------------|----------------------|-----|------|------------------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | |
| SOL 51300-A6 | 076.1300.060 | 400 | 8.5 | 23.0 | 4.0 | 0.421 |
| SOL 51300-A8 | 076.1300.080 | 330 | 10.5 | 25.0 | 6.0 | 0.624 |
| SOL 51300-A10 | 076.1300.100 | 330 | 12.7 | 28.0 | 7.5 | 1.055 |
| SOL 51300-A12 | 076.1300.120 | 330 | 14.7 | 31.0 | 9.0 | 1.597 |
| SOL 51300-A15 | 076.1300.150 | 250 | 18.0 | 36.5 | 12.0 | 2.407 |
| SOL 51300-A16 | 076.1300.160 | 200 | 22.0 | 39.0 | 13.0 | 2.790 |
| SOL 51300-A18 | 076.1300.180 | 200 | 22.0 | 40.5 | 15.0 | 3.631 |

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

Les douilles d'appui SO 50003 correspondants sont à commander séparément.

The relevant stiffener sleeve SO 50003 must always be ordered separately.

Verbindungsrippel
Pièce folle
Tube stub
SOL 51304

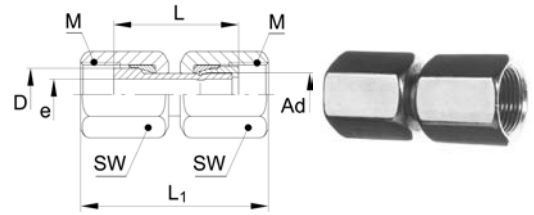

| Type -Ad | Mat.-Nr. | bar | D | L | e | kg/100 |
|---------------------|----------------------|-----|------|------------------|-----|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | |
| SOL 51304-A6 | 076.1310.060 | 400 | 8.5 | 34.0 | 4.0 | 0.548 |
| SOL 51304-A8 | 076.1310.080 | 330 | 10.5 | 36.0 | 6.0 | 0.801 |
| SOL 51304-A10 | 076.1310.100 | 330 | 12.7 | 40.0 | 7.5 | 1.359 |
| SOL 51304-A12 | 076.1310.120 | 330 | 14.7 | 42.0 | 9.0 | 1.993 |

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

Les douilles d'appui SO 50003 correspondants sont à commander séparément.

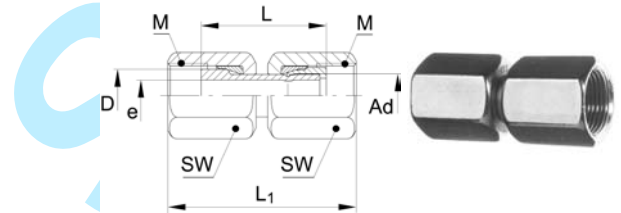
The relevant stiffener sleeve SO 50003 must always be ordered separately.

Einstellbare Kupplung
Accouplement orientable
Adjustable coupling


SOL 51325

| Type -Ad | Mat.-Nr. | bar | M | SW | L | L1 | D | e | kg/100 |
|---------------------|----------------------|-----|----------|----|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | | | | | | |
| | | | | | | | | | |
| SOL 51325-A6 | 078.1320.060 | 400 | 10 x 1 | 14 | 24.0 | 36.0 | 8.5 | 4.0 | 0.751 |
| SOL 51325-A8 | 078.1320.080 | 330 | 12 x 1 | 17 | 26.0 | 39.0 | 10.5 | 6.0 | 1.124 |
| SOL 51325-A10 | 078.1320.100 | 330 | 14 x 1 | 19 | 29.0 | 42.5 | 12.7 | 7.5 | 1.709 |
| SOL 51325-A12 | 078.1320.120 | 330 | 16 x 1 | 22 | 33.0 | 45.5 | 14.7 | 9.0 | 2.517 |
| SOL 51325-A15 | 078.1320.150 | 250 | 20 x 1.5 | 27 | 39.5 | 55.0 | 18.0 | 12.0 | 3.979 |
| SOL 51325-A16 | 078.1320.160 | 250 | 24 x 1.5 | 30 | 40.5 | 55.0 | 22.0 | 15.0 | 2.219 |
| SOL 51325-A18 | 078.1320.180 | 200 | 24 x 1.5 | 30 | 43.5 | 57.0 | 22.0 | 15.0 | 5.531 |

Einstellbare Kupplung
Accouplement orientable
Adjustable coupling


SOL 51326

| Type -Ad | Mat.-Nr. | bar | M | SW | L | L1 | D | e | kg/100 |
|---------------------|----------------------|-----|--------|----|------|------|------|-----|--------|
| Für metrische Rohre | Pour tubes métriques | | | | | | | | |
| | | | | | | | | | |
| SOL 51326-A6 | 078.1330.060 | 400 | 10 x 1 | 14 | 35.0 | 47.0 | 8.5 | 4.0 | 0.878 |
| SOL 51326-A8 | 078.1330.080 | 330 | 12 x 1 | 17 | 37.0 | 50.0 | 10.5 | 6.0 | 1.301 |
| SOL 51326-A10 | 078.1330.100 | 330 | 14 x 1 | 19 | 41.0 | 54.5 | 12.7 | 7.5 | 2.013 |
| SOL 51326-A12 | 078.1330.120 | 330 | 16 x 1 | 22 | 43.0 | 56.5 | 14.7 | 9.0 | 2.913 |

Gerade Schottverschraubung

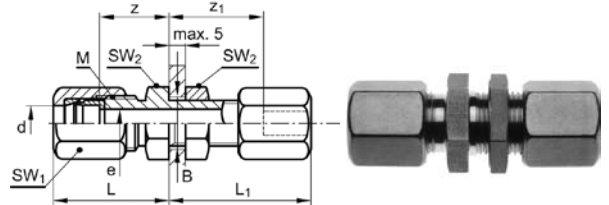
Durchführungslänge max. 5 mm

Union double pour passage de cloison

pour cloison max. 5 mm

Panel mount union

max. panel thickness 5 mm

SOL 51521


| Type-d | Mat.-Nr. | bar | M | SW1 | SW2 | L | L1 | B | z1 | z | e | kg/100 |
|---------------------|----------------------|-----|------|------------------|-----|------|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | |
| SOL 51521-6 | 078.1500.060 | 400 | 10x1 | 14 | 14 | 24.5 | 29.0 | 10.5 | 19.0 | 13.5 | 4.5 | 5.300 |
| SOL 51521-8 | 078.1500.080 | 330 | 12x1 | 17 | 17 | 25.5 | 31.5 | 12.5 | 21.0 | 15.0 | 6.5 | 8.100 |
| SOL 51521-10 | 078.1500.100 | 330 | 14x1 | 19 | 19 | 28.0 | 33.5 | 14.5 | 21.0 | 15.5 | 8.5 | 10.300 |
| SOL 51521-12 | 078.1500.120 | 330 | 16x1 | 22 | 22 | 29.5 | 34.5 | 16.5 | 21.0 | 16.0 | 10.5 | 14.100 |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | | |
| SOL 51521-6,35 | 078.1500.063 | 330 | 10x1 | 14 | 14 | 18.0 | 22.5 | 10.5 | 19.0 | 13.5 | 4.5 | 5.600 |
| SOL 51521-9,52 | 078.1500.095 | 330 | 14x1 | 19 | 19 | 21.0 | 26.5 | 14.5 | 21.0 | 10.0 | 8.5 | 11.200 |

Gerade Schottverschraubung

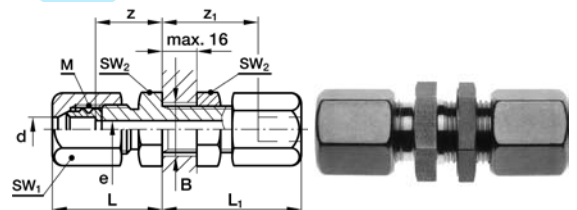
Durchführungslänge max. 16mm

Union double pour passage de cloison

pour cloison max. 16mm

Panel mount union

max. panel thickness 16mm

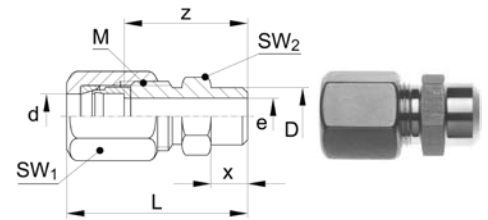
SOL 51524


| Type-d | Mat.-Nr. | bar | M | SW1 | SW2 | L | L1 | B | z1 | z | e | kg/100 |
|---------------------|----------------------|-----|--------|------------------|-----|------|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | |
| SOL 51524-16 | 078.1540.160 | 200 | 24x1.5 | 30 | 30 | 28.0 | 53.0 | 24.5 | 34.5 | 19.5 | 15.0 | 36.000 |
| SOL 51524-18 | 078.1540.180 | 200 | 24x1.5 | 30 | 30 | 27.0 | 52.0 | 24.5 | 34.5 | 19.5 | 15.0 | 34.200 |

Anschweissverschraubung

Union avec embout à souder

Weld-on union



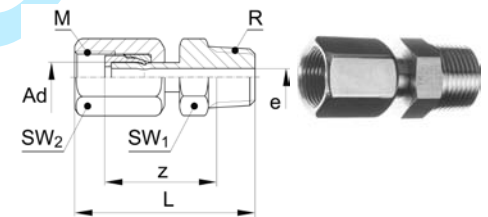
SOL 51429

| Type-d | Mat.-Nr. | bar | M | SW1 | SW2 | L | D | x | z | e | kg/100 |
|---------------------|----------------------|-----|------------------|-----|-----|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | | | |
| SOL 51429-6 | 078.1400.060 | 400 | 10 x 1 | 14 | 10 | 31.0 | 9.8 | 8.0 | 21.0 | 4.5 | 2.500 |
| SOL 51429-8 | 078.1400.080 | 330 | 12 x 1 | 17 | 12 | 32.5 | 11.8 | 8.0 | 22.0 | 6.5 | 3.700 |
| SOL 51429-10 | 078.1400.100 | 330 | 14 x 1 | 19 | 14 | 35.5 | 13.8 | 8.0 | 23.0 | 8.5 | 4.800 |
| SOL 51429-12 | 078.1400.120 | 330 | 16 x 1 | 22 | 17 | 37.5 | 16.0 | 8.0 | 24.0 | 10.5 | 6.700 |
| SOL 51429-15 | 078.1400.150 | 250 | 20 x 1.5 | 27 | 22 | 44.5 | 19.0 | 10.0 | 29.5 | 13.0 | 11.600 |
| SOL 51429-16 | 078.1400.160 | 200 | 24 x 1.5 | 30 | 24 | 50.0 | 22.0 | 11.0 | 31.5 | 15.0 | 17.100 |
| SOL 51429-18 | 078.1400.180 | 200 | 24 x 1.5 | 30 | 24 | 49.0 | 22.0 | 11.0 | 31.5 | 15.0 | 15.600 |
| Für Zollrohre | Pour tubes pouces | | For inch tubes | | | | | | | | |
| SOL 51429-6,35 | 078.1400.063 | 330 | 10 x 1 | 14 | 10 | 30.0 | 9.8 | 8.0 | 21.0 | 4.5 | 2.600 |
| SOL 51429-9,52 | 078.1400.095 | 330 | 14 x 1 | 19 | 14 | 34.0 | 13.8 | 8.0 | 23.0 | 8.5 | 5.100 |
| SOL 51429-12,7 | 078.1400.127 | 250 | 20 x 1.5 | 27 | 22 | 41.0 | 16.0 | 10.0 | 29.5 | 13.0 | 12.600 |

Einstellnippel vormontiert

Embout orientable mâle montée

Adjustable male adaptor assembly



SOL 51625

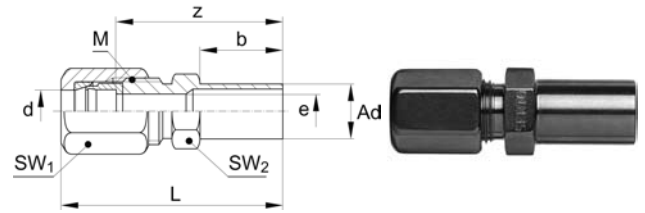
| Type-d-R | Mat.-Nr. | bar | M | SW1 | SW2 | L | z | e | kg/100 |
|-------------------------|------------------------------|-----|------------------------|-----|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | |
| R=Rohrgewinde (kegelig) | R=Filetage-gaz BSP (conique) | | R=BSP thread (tapered) | | | | | | |
| SOL 51625-A6-1/8 | 078.1620.100 | 400 | 10 x 1 | 12 | 14 | 27.2 | 23.0 | 4.0 | 2.600 |
| SOL 51625-A6-1/4 | 078.1620.110 | 400 | 10 x 1 | 14 | 14 | 32.2 | 26.2 | 4.0 | 3.350 |
| SOL 51625-A8-1/8 | 078.1620.160 | 330 | 12 x 1 | 12 | 17 | 29.0 | 25.0 | 6.0 | 3.160 |
| SOL 51625-A8-1/4 | 078.1620.170 | 330 | 12 x 1 | 14 | 17 | 33.0 | 27.0 | 6.0 | 4.160 |
| SOL 51625-A10-1/4 | 078.1620.270 | 330 | 14 x 1 | 14 | 19 | 35.2 | 29.2 | 8.0 | 4.760 |
| SOL 51625-A10-3/8 | 078.1620.280 | 330 | 14 x 1 | 17 | 19 | 35.2 | 28.8 | 8.0 | 6.470 |
| SOL 51625-A10-1/2 | 078.1620.285 | 330 | 14 x 1 | 22 | 19 | 40.2 | 32.2 | 8.0 | 9.200 |
| SOL 51625-A12-1/4 | 078.1620.380 | 330 | 16 x 1 | 14 | 22 | 37.2 | 30.8 | 8.0 | 5.790 |
| SOL 51625-A12-3/8 | 078.1620.390 | 330 | 16 x 1 | 17 | 22 | 37.2 | 31.2 | 9.0 | 7.290 |
| SOL 51625-A12-1/2 | 078.1620.400 | 330 | 16 x 1 | 22 | 22 | 42.2 | 34.0 | 9.0 | 9.680 |
| SOL 51625-A15-1/2 | 078.1620.534 | 250 | 20 x 1.5 | 22 | 27 | 45.4 | 37.2 | 12.0 | 12.750 |

5L

Reduktionsverschraubung

Réduction

Reduction



SOL 51821

| Type -Ad -d | Mat.-Nr. | bar | M | SW1 | SW2 | L | b | z | e | kg/100 |
|---------------------|----------------------|-----|----------|-----|-----|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | | | | | | | |
| | | | | | | | | | | |
| SOL 51821-A10-6 | 078.1800.175 | 330 | 10 x 1 | 14 | 12 | 39.5 | 16.0 | 29.5 | 4.5 | 2.530 |
| SOL 51821-A12-8 | 078.1800.225 | 330 | 12 x 1 | 17 | 14 | 44.0 | 18.0 | 33.5 | 6.5 | 4.060 |
| SOL 51821-A15-10 | 078.1800.410 | 250 | 14 x 1 | 19 | 17 | 48.5 | 20.0 | 36.0 | 8.5 | 5.430 |
| SOL 51821-A18-12 | 078.1800.580 | 200 | 16 x 1 | 22 | 19 | 53.5 | 23.0 | 40.0 | 10.5 | 7.470 |
| SOL 51821-A22-15 | 078.1800.745 | 200 | 20 x 1.5 | 27 | 24 | 58.5 | 25.0 | 43.5 | 13.0 | 12.010 |

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

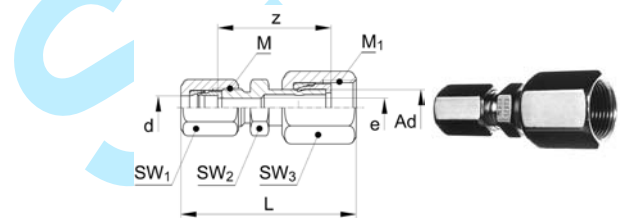
Les douilles d'appui SO 50003 correspondants sont à commander séparément.

The relevant stiffener sleeve SO 50003 must always be ordered separately.

Reduktion vormontiert

Réduction montée

Reduction assembly



SOL 51825

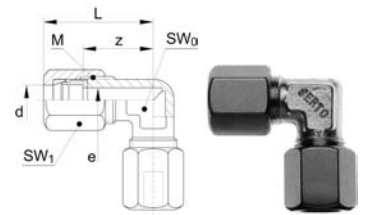
| Type -Ad -d | Mat.-Nr. | bar | M | M1 | SW1 | SW2 | SW3 | L | z | e | kg/100 |
|---------------------|----------------------|-----|--------|----------|-----|-----|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | | | | | | | | |
| | | | | | | | | | | | |
| SOL 51825-A10-6 | 078.1820.175 | 330 | 10 x 1 | 14 x 1 | 14 | 12 | 19 | 40.5 | 30.5 | 4.5 | 4.310 |
| SOL 51825-A12-8 | 078.1820.225 | 330 | 12 x 1 | 16 x 1 | 17 | 14 | 22 | 45.0 | 34.5 | 6.5 | 6.270 |
| SOL 51825-A15-10 | 078.1820.410 | 250 | 14 x 1 | 20 x 1.5 | 19 | 17 | 27 | 50.0 | 37.5 | 8.5 | 9.640 |
| SOL 51825-A18-12 | 078.1820.580 | 200 | 16 x 1 | 24 x 1.5 | 22 | 19 | 30 | 55.0 | 41.5 | 10.5 | 12.520 |

d=Rohraussen- \emptyset
Ad=Aussen- \emptyset der Andrehung
e=kleinste Bohrung
L=Mass in montiertem Zustand

d= \emptyset extérieur du tube
Ad= \emptyset extérieur de la portée cylindrique
e= \emptyset -min. de passage
L=après montage

d=tube outside diameter
Ad=outside diameter of cyl. Stub
e=minimum bore
L=installed length

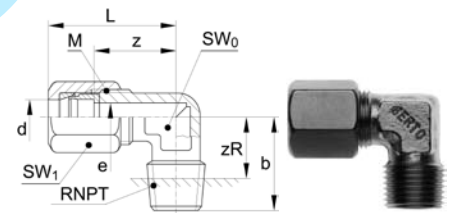
Winkelverschraubung Coude Elbow union



SOL 52021

| Type -d | Mat.-Nr. | bar | M | SW0 | SW1 | L | z | e | kg/100 | |
|---------------------|----------------------|-----|----------|------------------|-----|------|------|------|--------|--|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | |
| SOL 52021-6 | 078.2000.060 | 400 | 10 x 1 | 9 | 14 | 27.0 | 16.0 | 4.5 | 4.450 | |
| SOL 52021-8 | 078.2000.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 18.0 | 6.5 | 6.640 | |
| SOL 52021-10 | 078.2000.100 | 330 | 14 x 1 | 12 | 19 | 33.0 | 20.5 | 8.5 | 8.880 | |
| SOL 52021-12 | 078.2000.120 | 330 | 16 x 1 | 14 | 22 | 35.0 | 21.5 | 9.5 | 12.310 | |
| SOL 52021-15 | 078.2000.150 | 250 | 20 x 1.5 | 17 | 27 | 39.5 | 24.5 | 13.0 | 20.210 | |
| SOL 52021-16 | 078.2000.160 | 200 | 24 x 1.5 | 22 | 30 | 45.0 | 26.5 | 15.0 | 28.900 | |
| SOL 52021-18 | 078.2000.180 | 200 | 24 x 1.5 | 22 | 30 | 44.0 | 26.5 | 15.0 | 26.550 | |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | |
| SOL 52021-6,35 | 078.2000.063 | 330 | 10 x 1 | 9 | 14 | 25.0 | 16.0 | 4.5 | 4.600 | |
| SOL 52021-9,52 | 078.2000.095 | 330 | 14 x 1 | 12 | 19 | 31.5 | 20.5 | 8.5 | 9.500 | |
| SOL 52021-12,7 | 078.2000.127 | 250 | 20 x 1.5 | 17 | 27 | 31.0 | 24.5 | 13.0 | 22.100 | |

Winkel-Einschraubverschraubung Coude mâle Male adaptor elbow union



SOL 52421

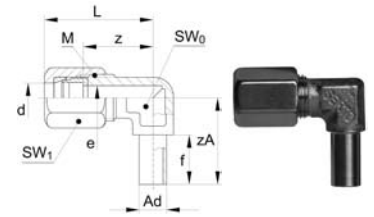
| Type -d-R | Mat.-Nr. | bar | M | SW0 | SW1 | L | b | zR | z | e | kg/100 |
|-------------------------|------------------------------|-----|----------|------------------------|-----|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | |
| R=Rohrgewinde (kegelig) | R=Filetage-gaz BSP (conique) | | | R=BSP thread (tapered) | | | | | | | |
| SOL 52421-6-1/8 | 078.2401.100 | 400 | 10 x 1 | 9 | 14 | 26.0 | 17.5 | 13.5 | 16.0 | 4.5 | 2.900 |
| SOL 52421-6-1/4 | 078.2401.110 | 400 | 10 x 1 | 10 | 14 | 28.0 | 22.5 | 18.5 | 18.0 | 4.5 | 4.200 |
| SOL 52421-8-1/8 | 078.2401.160 | 330 | 12 x 1 | 10 | 17 | 28.5 | 18.0 | 14.0 | 18.0 | 6.0 | 4.000 |
| SOL 52421-8-1/4 | 078.2401.170 | 330 | 12 x 1 | 10 | 17 | 28.5 | 22.5 | 18.5 | 18.0 | 6.5 | 4.700 |
| SOL 52421-8-3/8 | 078.2401.180 | 330 | 12 x 1 | 14 | 17 | 32.5 | 26.0 | 19.6 | 22.0 | 8.5 | 6.800 |
| SOL 52421-10-1/4 | 078.2401.270 | 330 | 14 x 1 | 12 | 19 | 33.0 | 25.0 | 19.0 | 20.5 | 8.5 | 5.700 |
| SOL 52421-12-1/4 | 078.2401.380 | 330 | 16 x 1 | 14 | 22 | 35.0 | 25.3 | 18.9 | 21.5 | 8.5 | 7.500 |
| SOL 52421-12-3/8 | 078.2401.390 | 330 | 16 x 1 | 14 | 22 | 35.0 | 26.0 | 19.6 | 21.5 | 10.5 | 8.300 |
| SOL 52421-15-1/2 | 078.2401.534 | 250 | 20 x 1.5 | 17 | 27 | 39.5 | 29.5 | 21.3 | 24.5 | 13.0 | 13.300 |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | |
| SOL 52421-6,35-1/8 | 078.2401.135 | 400 | 10 x 1 | 9 | 14 | 25.0 | 17.5 | 13.5 | 16.0 | 4.5 | 3.000 |
| SOL 52421-6,35-1/4 | 078.2401.140 | 400 | 10 x 1 | 10 | 14 | 27.0 | 22.5 | 18.5 | 18.0 | 4.5 | 4.100 |
| SOL 52421-9,52-1/4 | 078.2401.230 | 330 | 14 x 1 | 12 | 19 | 31.5 | 25.0 | 19.0 | 20.5 | 8.5 | 3.900 |
| SOL 52421-12,7-1/2 | 078.2401.434 | 250 | 20 x 1.5 | 17 | 27 | 36.0 | 29.5 | 21.5 | 24.5 | 13.0 | 14.500 |

d=Rohrøussen-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=ø extérieur du tube
e=ø-min. de passage
L=après montage

d=tube outside diameter
e=minimum bore
L=installed length

Einstellwinkel Coude orientable Adjustable elbow union



SOL 52621

| Type -d -Ad | Mat.-Nr. | bar | M | SW0 | SW1 | L | f | zA | z | e | kg/100 |
|---------------------|----------------------|-----|----------|------------------|-----|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | |
| SOL 52621-6-A6 | 078.2600.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 12.5 | 18.0 | 16.0 | 4.0 | 2.570 |
| SOL 52621-8-A8 | 078.2600.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 15.0 | 23.0 | 18.0 | 6.0 | 3.880 |
| SOL 52621-10-A10 | 078.2600.100 | 330 | 14 x 1 | 12 | 19 | 33.0 | 17.0 | 25.5 | 20.5 | 8.0 | 5.370 |
| SOL 52621-12-A12 | 078.2600.120 | 330 | 16 x 1 | 14 | 22 | 35.0 | 18.0 | 26.5 | 21.5 | 9.0 | 7.890 |
| SOL 52621-15-A15 | 078.2600.150 | 250 | 20 x 1.5 | 17 | 27 | 39.5 | 19.5 | 30.0 | 24.5 | 12.4 | 13.450 |

| | | | | | | | | | | | |
|-------------------|-------------------|-----|--------|----------------|----|------|------|------|------|-----|-------|
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | |
| SOL 52621-6,35-A6 | 078.2600.067 | 400 | 10 x 1 | 9 | 14 | 27.0 | 12.5 | 18.0 | 16.0 | 4.0 | 4.600 |

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

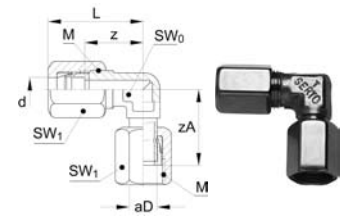
Les douilles d'appui SO 50003 correspondants sont à commander séparément.

The relevant stiffener sleeve SO 50003 must always be ordered separately.

Einstellwinkel vormontiert Coude orientable monté Adjustable elbow assembly

SOL 52625

| Type -d -Ad | Mat.-Nr. | bar | M | SW0 | SW1 | L | zA | z | e | kg/100 | |
|---------------------|----------------------|-----|----------|------------------|-----|------|------|------|------|--------|--|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | |
| SOL 52625-6-A6 | 078.2620.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 19.0 | 16.0 | 4.0 | 4.220 | |
| SOL 52625-8-A8 | 078.2620.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 24.0 | 18.0 | 6.0 | 6.380 | |
| SOL 52625-10-A10 | 078.2620.100 | 330 | 14 x 1 | 12 | 19 | 33.0 | 26.5 | 20.5 | 8.0 | 8.640 | |
| SOL 52625-12-A12 | 078.2620.120 | 330 | 16 x 1 | 14 | 22 | 35.0 | 27.5 | 21.5 | 9.0 | 12.060 | |
| SOL 52625-15-A15 | 078.2620.150 | 250 | 20 x 1.5 | 17 | 27 | 39.5 | 31.5 | 24.5 | 12.4 | 15.340 | |



5L

d=Rohrassen- \varnothing
Ad=Aussen- \varnothing der Andrehung
e=kleinste Bohrung
L=Mass in montiertem Zustand

d= \varnothing extérieur du tube
Ad= \varnothing extérieur de la portée cylindrique
e= \varnothing -min. de passage
L=après montage

d=tube outside diameter
Ad=outside \varnothing of cyl. stub
e=minimum bore
L=installed length

Winkel-Schottverschraubung

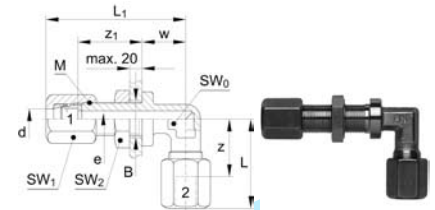
Durchführungslänge max. 20 mm

Union double pour passage de cloison

pour cloison max 20 mm

Panel mount union

max. panel thickness 20 mm



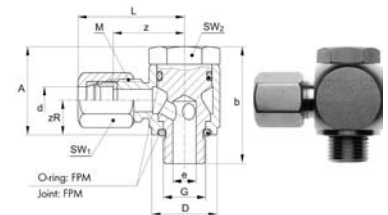
SOL 52721

| Type-d | Mat.-Nr. | bar | M | SW0 | SW1 | SW2 | L | L1 | W | z1 | z | e | kg/100 |
|---------------------|----------------------|-----|--------|------------------|-----|-----|------|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | | |
| SOL 52721-6 | 078.2700.060 | 400 | 10 x 1 | 12 | 14 | 14 | 29.0 | 59.0 | 13.0 | 49.0 | 19.0 | 4.5 | 6.980 |
| SOL 52721-8 | 078.2700.080 | 330 | 12 x 1 | 12 | 17 | 17 | 29.5 | 59.5 | 13.0 | 49.0 | 19.0 | 5.5 | 9.450 |
| SOL 52721-10 | 078.2700.100 | 330 | 14 x 1 | 12 | 19 | 19 | 35.5 | 65.5 | 17.0 | 53.0 | 23.0 | 7.5 | 12.350 |
| SOL 52721-12 | 078.2700.120 | 330 | 16 x 1 | 14 | 22 | 22 | 37.5 | 67.5 | 17.0 | 54.0 | 24.0 | 8.5 | 17.060 |
| SOL 52721-15 | 078.2700.150 | 250 | 20 x | 19 | 27 | 27 | 44.5 | 78.5 | 20.0 | 63.5 | 29.5 | 13.0 | 28.600 |
| SOL 52721-16 | 078.2700.160 | 250 | 24 x | 24 | 30 | 30 | 52.0 | 83.0 | 22.0 | 64.5 | 33.5 | 15.0 | 30.600 |
| SOL 52721-18 | 078.2700.180 | 200 | 24 x | 24 | 30 | 30 | 51.0 | 82.0 | 22.0 | 64.5 | 33.5 | 15.0 | 29.700 |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | | | |
| SOL 52721-6,35 | 078.2700.063 | 400 | 10 x 1 | 12 | 14 | 14 | 28.0 | 58.0 | 13.0 | 36.0 | 19.0 | 4.5 | 7.300 |
| SOL 52721-9,52 | 078.2700.095 | 330 | 14 x 1 | 12 | 19 | 19 | 34.0 | 64.0 | 17.0 | 36.0 | 23.0 | 7.5 | 13.800 |
| SOL 52721-12,7 | 078.2700.127 | 250 | 20 x | 19 | 27 | 27 | 41.0 | 75.0 | 23.0 | 40.5 | 29.5 | 13.0 | 31.800 |

Schwenkverschraubung

Coude banjo

Single banjo



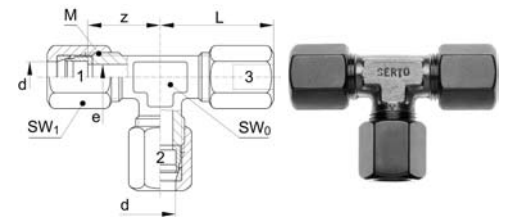
SOL 52824

| Type-d-G | Mat.-Nr. | bar | M | SW1 | SW2 | L | A | b | D | z | e | kg/100 |
|-----------------------------|----------------------------------|-----|----------|-------------------------|-----|------|------|------|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | |
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | | | G=BSP thread (straight) | | | | | | | | |
| SOL 52824-6-1/8 | 078.2841.100 | 400 | 10 x 1 | 14 | 14 | 28.0 | 23.0 | 31.0 | 17.0 | 18.0 | 4.5 | 6.280 |
| SOL 52824-8-1/8 | 078.2841.160 | 330 | 12 x 1 | 17 | 14 | 29.5 | 23.0 | 31.0 | 17.8 | 19.0 | 4.5 | 8.190 |
| SOL 52824-8-1/4 | 078.2841.170 | 330 | 12 x 1 | 17 | 19 | 31.0 | 27.5 | 38.0 | 20.5 | 20.5 | 7.0 | 10.330 |
| SOL 52824-10-1/4 | 078.2841.270 | 330 | 14 x 1 | 19 | 19 | 33.0 | 27.5 | 38.0 | 20.5 | 20.5 | 7.0 | 13.190 |
| SOL 52824-12-3/8 | 078.2841.390 | 330 | 16 x 1 | 22 | 24 | 37.5 | 37.0 | 49.0 | 26.0 | 24.0 | 9.0 | 24.060 |
| SOL 52824-15-1/2 | 078.2841.534 | 250 | 20 x 1.5 | 27 | 27 | 43.5 | 43.5 | 57.0 | 31.5 | 28.5 | 12.0 | 38.510 |
| SOL 52824-16-1/2 | 078.2841.566 | 200 | 24 x 1.5 | 30 | 27 | 48.5 | 42.0 | 57.0 | 31.5 | 28.5 | 12.0 | 40.000 |
| SOL 52824-18-1/2 | 078.2841.646 | 200 | 24 x 1.5 | 30 | 27 | 48.5 | 42.0 | 57.0 | 31.5 | 28.5 | 12.0 | 40.000 |
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | | |
| SOL 52824-6,35-1/8 | 078.2841.135 | 400 | 10 x 1 | 14 | 14 | 27.0 | 21.0 | 31.0 | 17.0 | 18.0 | 4.5 | 2.200 |
| SOL 52824-9,52-1/4 | 078.2841.230 | 330 | 14 x 1 | 19 | 19 | 31.5 | 27.0 | 38.0 | 20.5 | 20.5 | 7.0 | 4.600 |
| SOL 52824-12,7-1/2 | 078.2841.434 | 330 | 20 x 1.5 | 27 | 27 | 40.0 | 41.5 | 57.0 | 31.5 | 28.5 | 12.0 | 25.600 |

d=Rohrassens-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=ø extérieur du tube
e=ø-min. de passage
L=après montage

d=tube outside diameter
e=minimum bore
L=installed length

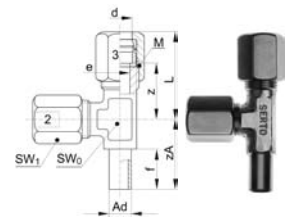
T-Verschraubung
Té
Tee union

SOL 53021

| Type-d | Mat.-Nr. | bar | M | SW0 | SW1 | L | z | e | kg/100 |
|---------------------|----------------------|-----|------------------|-----|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | |
| SOL 53021-6 | 078.3000.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 16.0 | 4.5 | 6.500 |
| SOL 53021-8 | 078.3000.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 18.0 | 6.5 | 9.600 |
| SOL 53021-10 | 078.3000.100 | 330 | 14 x 1 | 12 | 19 | 33.0 | 20.5 | 8.5 | 12.900 |
| SOL 53021-12 | 078.3000.120 | 330 | 16 x 1 | 14 | 22 | 35.0 | 21.5 | 9.5 | 17.800 |
| SOL 53021-15 | 078.3000.150 | 250 | 20 x 1.5 | 17 | 27 | 39.5 | 24.5 | 13.0 | 29.600 |
| SOL 53021-16 | 078.3000.160 | 200 | 24 x 1.5 | 22 | 30 | 45.0 | 26.5 | 15.0 | 40.800 |
| SOL 53021-18 | 078.3000.180 | 200 | 24 x 1.5 | 22 | 30 | 44.0 | 26.5 | 15.0 | 38.100 |

| Für Zollrohre | Pour tubes pouces | | For inch tubes | | | | | | |
|----------------|-------------------|-----|----------------|----|----|------|------|------|--------|
| SOL 53021-6,35 | 078.3000.063 | 400 | 10 x 1 | 9 | 14 | 25.0 | 16.0 | 4.5 | 6.800 |
| SOL 53021-9,52 | 078.3000.095 | 330 | 14 x 1 | 12 | 19 | 31.5 | 20.5 | 8.5 | 13.900 |
| SOL 53021-12,7 | 078.3000.127 | 250 | 20 x 1.5 | 17 | 27 | 36.0 | 24.5 | 13.0 | 32.400 |

L-Verschraubung

mit Einstellzapfen

L orientable
Adjustable L union

SOL 53621 L

| Type-d-Ad-d1 | Mat.-Nr. | bar | M | SW0 | SW1 | L | f | zA | z | e | kg/100 |
|---------------------|----------------------|-----|------------------|-----|-----|------|------|------|------|-----|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | | | |
| SOL 53621-A6-6-6 | 078.3610.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 12.5 | 18.0 | 16.0 | 4.0 | 4.750 |
| SOL 53621-A8-8-8 | 078.3610.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 15.0 | 23.0 | 18.0 | 6.0 | 6.920 |
| SOL 53621-A10-10-10 | 078.3610.100 | 330 | 14 x 1 | 12 | 19 | 32.0 | 17.0 | 25.5 | 20.5 | 7.5 | 9.400 |

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

Les douilles d'appui SO 50003 correspondants sont à commander séparément.

The relevant stiffener sleeve SO 50003 must always be ordered separately.

d=Rohrassen-ø
Ad=Aussen-ø der Andrehung
e= kleinste Bohrung
L= Mass in montiertem Zustand

d=ø extérieur du tube
Ad=ø extérieur de la portée cylindrique
e=ø-min. de passage
L=après montage

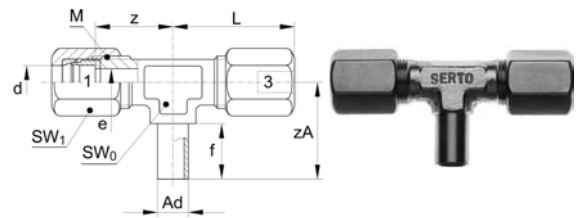
d=tube outside diameter
Ad=outside ø of cyl. stub
e=minimum bore
L=installed length

T-Verschraubung

mit Einstellzapfen

Té orientable

Adjustable Tee union



SOL 53621 T

| Type -d -Ad -d1 | Mat.-Nr. | bar | M | SW0 | SW1 | L | zA | z | e | kg/100 |
|-------------------------|----------------------|------------------|--------|-----|-----|------|------|------|-----|--------|
| Für metrische Rohre | Pour tubes métriques | For metric tubes | | | | | | | | |
| SOL 53621-6-A6-6 | 078.3600.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 18.0 | 16.0 | 4.0 | 4.750 |
| SOL 53621-8-A8-8 | 078.3600.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 23.0 | 18.0 | 6.0 | 6.920 |
| SOL 53621-10-A10-10 | 078.3600.100 | 330 | 14 x 1 | 12 | 19 | 32.0 | 25.5 | 20.5 | 7.5 | 9.400 |
| Für Zollrohre | Pour tubes pouces | For inch tubes | | | | | | | | |
| SOL 53621-6,35-A6-6,35 | 078.3600.067 | 400 | 10 x 1 | 9 | 14 | 25.0 | 18.0 | 16.0 | 4.0 | 4.900 |
| SOL 53621-9,52-A10-9,52 | 078.3600.095 | 330 | 14 x 1 | 12 | 19 | 31.0 | 25.5 | 20.5 | 8.0 | 10.300 |

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

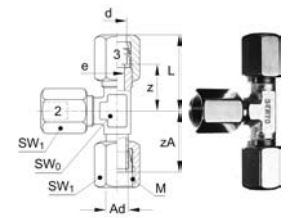
Les douilles d'appui SO 50003 correspondants sont à commander séparément.

The relevant stiffener sleeve SO 50003 must always be ordered separately.

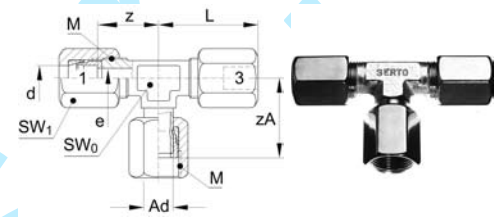
d=Rohraussen- \varnothing
Ad=Aussen- \varnothing der Andrehung
e= kleinste Bohrung
L= Mass in montiertem Zustand

d= \varnothing extérieur du tube
Ad= \varnothing extérieur de la portée cylindrique
e= \varnothing -min. de passage
L=après montage

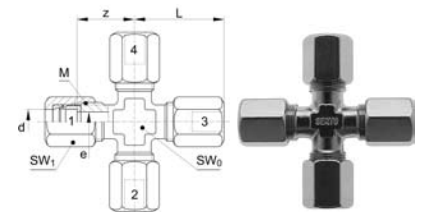
d=tube outside diameter
Ad=outside \varnothing of cyl. stub
e=minimum bore
L=installed length

Einstellbare L-Verschraubung vormontiert
L orientable monté
Adjustable L assembly

SOL 53625 L

| Type -d1 -Ad -d3 | Mat.-Nr. | bar | M | SW0 | SW1 | L | zA | z | e | kg/100 |
|---------------------|--------------|-----|--------|-----|-----|------|------|------|-----|--------|
| SOL 53625-A6-6-6 | 078.3630.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 19.0 | 16.0 | 4.0 | 6.400 |
| SOL 53625-A8-8-8 | 078.3630.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 24.0 | 18.0 | 6.0 | 9.420 |
| SOL 53625-A10-10-10 | 078.3630.100 | 330 | 14 x 1 | 12 | 19 | 32.0 | 26.5 | 20.5 | 7.5 | 12.670 |

Einstellbare T-Verschraubung vormontiert
Té orientable monté
Adjustable Tee assembly

SOL 53625 T

| Type -d1 -Ad -d3 | Mat.-Nr. | bar | M | SW0 | SW1 | L | zA | z | e | kg/100 |
|---------------------|--------------|-----|--------|-----|-----|------|------|------|-----|--------|
| SOL 53625-6-A6-6 | 078.3620.060 | 400 | 10 x 1 | 9 | 14 | 26.0 | 19.0 | 16.0 | 4.0 | 6.400 |
| SOL 53625-8-A8-8 | 078.3620.080 | 330 | 12 x 1 | 10 | 17 | 28.5 | 24.0 | 18.0 | 6.0 | 9.420 |
| SOL 53625-10-A10-10 | 078.3620.100 | 330 | 14 x 1 | 12 | 19 | 32.0 | 26.5 | 20.5 | 7.5 | 12.670 |

Kreuzverschraubung
Croix
Cross union

SOL 54021

| Type -d | Mat.-Nr. | bar | M | SW0 | SW1 | L | z | e | kg/100 |
|---------------------|----------------------|------------------|----------|-----|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | For metric tubes | | | | | | | |
| SOL 54021-6 | 078.4000.060 | 400 | 10 x 1 | 12 | 14 | 27.5 | 17.5 | 4.5 | 8.900 |
| SOL 54021-8 | 078.4000.080 | 330 | 12 x 1 | 12 | 17 | 29.5 | 19.0 | 6.5 | 13.200 |
| SOL 54021-10 | 078.4000.100 | 330 | 14 x 1 | 17 | 19 | 35.5 | 23.0 | 8.5 | 17.300 |
| SOL 54021-12 | 078.4000.120 | 330 | 16 x 1 | 17 | 22 | 38.5 | 25.0 | 9.5 | 23.400 |
| SOL 54021-15 | 078.4000.150 | 250 | 20 x 1.5 | 19 | 27 | 41.5 | 26.5 | 13.0 | 39.100 |
| Für Zollrohre | Pour tubes pouces | For inch tubes | | | | | | | |
| SOL 54021-6,35 | 078.4000.063 | 400 | 10 x 1 | 12 | 14 | 26.5 | 17.5 | 4.5 | 9.700 |
| SOL 54021-9,52 | 078.4000.095 | 330 | 14 x 1 | 17 | 19 | 34.0 | 23.0 | 8.5 | 10.000 |
| SOL 54021-12,7 | 078.4000.127 | 250 | 20 x 1.5 | 19 | 27 | 38.0 | 26.5 | 13.0 | 19.200 |

d=Rohrassen-ø
Ad=Aussen-ø der Andrehung
e=kleinste Bohrung
L=Mass in montiertem Zustand

d=ø extérieur du tube
Ad=ø extérieur de la portée cylindrique
e=ø-min. de passage
L=après montage

d=tube outside diameter
Ad=outside ø of cyl. stub
e=minimum bore
L=installed length