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Edelstahl L

Hochdruck-Verschraubungen

























Acier inoxydable L

Raccords à haute pression

Stainless steel L

High pressure unions



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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)

Betriebsdruck PN (stat.)

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

Temperaturbereich

-110°C bis +300°C

Helium - Leckrate

10⁻⁸mbar • l/s *

Vakuum

10⁻⁶ mbar

Anzuschliessende Rohre

Nahtlose Präzisionsrohre aus Edelstahl (DIN EN 10216-5/EN ISO 1127, Toleranzkl. T4) mit sauberer, glatter Oberfläche. Aussendurchmesser innerhalb ± 0,1 mm. Siehe auch Kapitel Rohre und Schläuche. Weitere Materialien auf Anfrage.

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



* bei fachgerechter Montage; siehe Anhang:
- Seite a.6 - Rohre
- Seite a.21 - Montageanleitung

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 de service 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

10⁻⁸mbar • l/s *

Vide

10⁻⁶ mbar

Tubes a utiliser

Tubes en acier inoxydable sans soudure (selon DIN EN 10216-5/EN ISO 1127, classe de tolérance T4), avec surface propre et lisse. Le diamètre extérieur doit se situer dans une tolérance de ± 0,1 mm. Voir chapitre tubes et tuyaux. Autres matériaux sur demande.

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).

Working 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

10⁻⁸mbar • l/s *

Vacuum

10⁻⁶ mbar

Tubes to use

Stainless steel seamless precision tubes (to DIN EN 10216-5/EN ISO 1127, tolerance class T4) with clean smooth surface. Outside diameter of ± 0,1 mm. See also chapter tubes and hoses. Further materials on demand.

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

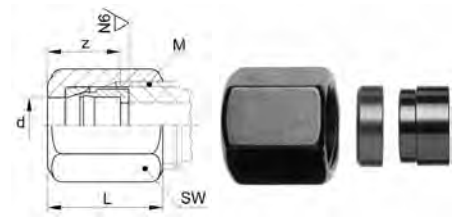
British Standard Pipe (BSP) and metric fine thread DIN 3852. Tapered form C, parallel form B. Thread with sealing form E. NPT-thread according to ANSI/ASME B1.20.1-1983. UNF/UN threads in accordance with SAE 514.

Pressure coefficient % of PN

* when professionally assembled; see Appendix:
- page a.6 - Tubes
- page a.21 - Installation instructions

* à la base d'un montage dans les règles de l'art ; voir Appendice:
- page a.6 - Tubes
- page a.21 - Instructions de montage

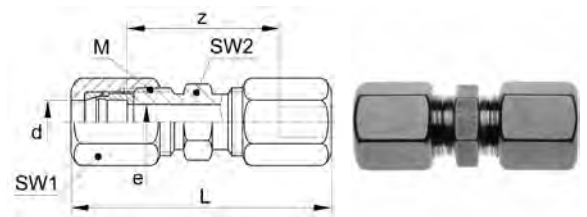
Armaturenanschluss Ecrou de raccordement Nut connection



SOL 50021

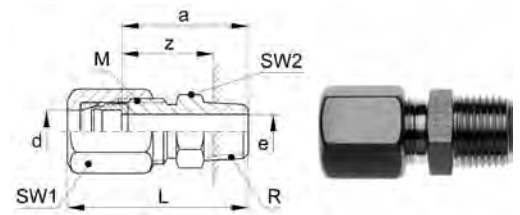
Type -d	Mat.-Nr.	bar	M	SW	L	z	kg/100	
Für metrische Rohre	Pour tubes métriques		For metric tubes					
SOL 50021-6	076.0210.060	400	10x1	14	17,5	10,0	1.650	
SOL 50021-8	076.0210.080	330	12x1	17	18,5	10,5	2.500	
SOL 50021-10	076.0210.100	330	14x1	19	20,5	12,5	3.270	
SOL 50021-12	076.0210.120	330	16x1	22	21,5	13,5	4.600	
SOL 50021-15	076.0210.150	250	20x1.5	27	25,0	15,0	7.860	
SOL 50021-16	076.0210.160	250	24x1.5	30	26,5	18,5	10.400	
SOL 50021-18	076.0210.180	200	24x1.5	30	26,5	17,5	9.500	
Für Zollrohre	Pour tubes pouces		For inch tubes					
SOL 50021-6,35	076.0210.063	400	10x1	14	17,5	10,5	1.700	
SOL 50021-9,52	076.0210.095	330	14x1	19	20,5	12,5	3.600	
SOL 50021-12,7	076.0210.127	330	20x1.5	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	10x1	14	10	42,0	22,5	4,5	4.180
SOL 51021-8	078.1020.080	330	12x1	17	12	46,0	25,0	6,5	6.250
SOL 51021-10	078.1020.100	330	14x1	19	14	51,0	26,0	8,5	8.190
SOL 51021-12	078.1020.120	330	16x1	22	17	53,0	26,5	10,5	11.340
SOL 51021-15	078.1020.150	250	20x1.5	27	22	62,0	31,5	13,0	19.520
SOL 51021-16	078.1020.160	200	24x1.5	30	24	70,0	33,0	15,0	26.460
SOL 51021-18	078.1020.180	200	24x1.5	30	24	67,0	33,0	15,0	24.660
Für Zollrohre	Pour tubes pouces		For inch tubes						
SOL 51021-6,35	078.1020.063	400	10x1	14	10	43,0	22,5	4,5	4.300
SOL 51021-9,52	078.1020.095	330	14x1	19	14	51,0	26,0	8,5	8.900
SOL 51021-12,7	078.1020.127	330	20x1.5	27	22	62,0	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	10x1	14	10	21.0	31.0	17.0	4.5	2.550
SOL 51121-6-1/4	078.1101.110	400	10x1	14	14	27.0	37.0	21.0	4.5	3.650
SOL 51121-6-3/8	078.1101.120	400	10x1	14	17	27.0	37.0	20.6	4.5	4.040
SOL 51121-6-1/2	078.1101.125	400	10x1	14	22	32.0	42.0	23.8	4.5	6.160
SOL 51121-8-1/8	078.1101.160	330	12x1	17	12	22.0	32.5	18.0	6.0	3.540
SOL 51121-8-1/4	078.1101.170	330	12x1	17	14	28.0	38.5	22.0	6.5	4.430
SOL 51121-8-3/8	078.1101.180	330	12x1	17	17	28.0	38.5	21.6	6.5	4.520
SOL 51121-8-1/2	078.1101.185	330	12x1	17	22	33.0	43.5	24.8	6.5	7.050
SOL 51121-10-1/4	078.1101.270	330	14x1	19	14	28.0	40.5	22.0	8.5	5.020
SOL 51121-10-3/8	078.1101.280	330	14x1	19	17	28.0	40.5	21.6	8.5	6.130
SOL 51121-10-1/2	078.1101.285	330	14x1	19	22	33.0	45.5	24.8	8.5	9.290
SOL 51121-12-1/4	078.1101.380	330	16x1	22	17	28.0	41.5	22.0	8.5	6.980
SOL 51121-12-3/8	078.1101.390	330	16x1	22	17	28.0	41.5	21.6	10.5	7.180
SOL 51121-12-1/2	078.1101.400	330	16x1	22	22	33.0	46.5	24.8	10.5	10.050
SOL 51121-15-3/8	078.1101.532	250	20x1.5	27	22	30.5	45.5	24.1	10.5	12.490
SOL 51121-15-1/2	078.1101.534	250	20x1.5	27	22	35.5	50.5	27.3	13.0	12.680
SOL 51121-16-1/2	078.1101.566	200	24x1.5	30	24	36.5	55.0	28.3	13.5	16.500
SOL 51121-16-3/4	078.1101.568	200	24x1.5	30	27	36.5	55.0	27.0	15.0	17.680
SOL 51121-18-1/2	078.1101.646	200	24x1.5	30	24	36.5	53.0	28.3	13.5	15.100
SOL 51121-18-3/4	078.1101.648	200	24x1.5	30	27	37.5	54.0	27.0	15.0	16.280

Für Zollrohre

Pour tubes pouces

For inch tubes

SOL 51121-6,35-1/8	078.1101.135	400	10x1	14	10	21.0	31.0	25.0	4.5	2.600
SOL 51121-6,35-1/4	078.1101.140	400	10x1	14	14	27.0	37.0	33.0	4.5	3.700
SOL 51121-6,35-3/8	078.1101.145	400	10x1	14	17	27.0	37.0	21.0	4.5	4.100
SOL 51121-6,35-1/2	078.1101.150	330	10x1	14	22	32.0	42.0	22.0	4.5	6.700
SOL 51121-9,52-1/4	078.1101.230	330	14x1	19	14	28.0	40.0	22.0	8.5	5.500
SOL 51121-9,52-3/8	078.1101.235	330	14x1	19	17	28.0	40.0	22.0	8.5	6.600
SOL 51121-9,52-1/2	078.1101.240	330	14x1	19	22	33.0	45.0	23.0	8.5	8.700
SOL 51121-12,7-1/2	078.1101.434	250	20x1.5	27	22	35.5	48.5	27.5	13.0	9.600

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

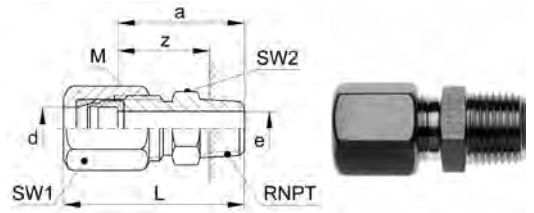
d=ø extérieur du tube
e=ø-min. de passage
L=après montage

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

Gerade Einschraubverschraubung NPT

Union mâle 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 RNPT=NPT Gewinde	Pour tubes métriques RNPT=Filetage NPT									
SOL 51121-6-1/8 NPT	078.1102.100	400	10x1	14	12	24.0	34.0	19.9	4.5	2.820
SOL 51121-6-1/4 NPT	078.1102.110	400	10x1	14	14	29.0	39.0	23.2	4.5	3.830
SOL 51121-8-1/8 NPT	078.1102.160	330	12x1	17	12	25.0	35.5	20.9	6.0	4.120
SOL 51121-8-1/4 NPT	078.1102.170	330	12x1	17	14	30.0	40.5	24.2	6.5	4.600
SOL 51121-8-3/8 NPT	078.1102.180	330	12x1	17	17	30.0	40.5	23.9	6.5	5.450
SOL 51121-8-1/2 NPT	078.1102.185	330	12x1	17	22	36.0	46.5	27.9	6.5	7.090
SOL 51121-10-1/4 NPT	078.1102.270	330	14x1	19	14	30.0	42.5	24.2	8.5	5.130
SOL 51121-10-1/2 NPT	078.1102.285	330	14x1	19	22	36.0	48.5	27.9	8.5	9.760
SOL 51121-12-1/4 NPT	078.1102.380	330	16x1	22	17	30.0	43.5	24.2	8.5	7.040
SOL 51121-12-3/8 NPT	078.1102.390	330	16x1	22	17	30.0	43.5	23.9	10.5	7.330
SOL 51121-12-1/2 NPT	078.1102.400	330	16x1	22	22	36.0	49.5	27.9	10.5	10.520
SOL 51121-12-3/4 NPT	078.1102.405	330	16x1	22	27	39.0	52.5	30.4	10.5	11.390
SOL 51121-15-1/2 NPT	078.1102.534	250	20x1.5	27	22	38.0	53.0	30.4	13.0	13.040
SOL 51121-16-1/2 NPT	078.1102.566	200	24x1.5	30	24	39.0	57.5	31.4	13.5	20.850
SOL 51121-18-1/2 NPT	078.1102.646	200	24x1.5	30	24	39.5	56.0	31.4	13.5	19.950

Für Zollrohre

Pour tubes pouces

For inch tubes

SOL 51121-6,35-1/8 NPT	078.1102.135	400	10x1	14	12	24.0	33.0	20.0	4.5	3.000
SOL 51121-6,35-1/4 NPT	078.1102.140	400	10x1	14	14	29.0	38.0	23.5	4.5	4.000
SOL 51121-9,52-1/4 NPT	078.1102.230	330	14x1	19	14	30.0	47.0	24.5	8.5	5.700
SOL 51121-9,52-1/2 NPT	078.1102.240	330	14x1	19	22	36.0	48.0	28.0	8.5	10.600
SOL 51121-12,7-1/2 NPT	078.1102.434	250	20x1.5	27	22	38.0	50.0	30.5	13.0	14.900

Gerade Einschraubverschraubung zylindrisch METR

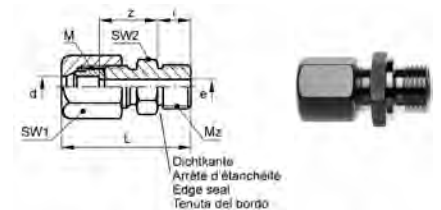
mit Dichtkante

Union mâle filetage cylindrique METR

avec arête d'étanchéité

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 Mz=metrisches Gewinde (zylindrisch)	Pour tubes métriques Mz=Filetage métrique (cylindrique)									
SOL 51124-6-M5 Z	078.1143.155	400	10x1	14	10	4.5	27.5	13.0	2.2	2.300
Für Zollrohre	Pour tubes pouces									
SOL 51124-6,35-M5 Z	078.1143.205	400	10x1	14	10	4.5	26.5	13.0	2.2	8.100

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

Gerade Einschraubverschraubung zylindrisch

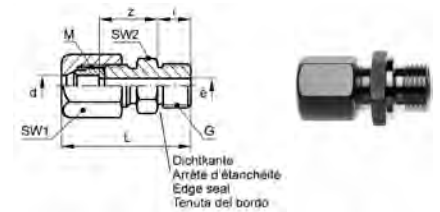
mit Dichtkante

Union mâle filetage cylindrique

avec arête d'étanchéité

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	Pour tubes métriques					For metric tubes				
G=Rohrgewinde (zylindrisch)	G=Filetage-gaz BSP (cylindrique)					G=BSP thread (straight)				
SOL 51124-6-1/8	078.1141.100	400	10x1	14	14	8.0	32.5	14.5	4.5	2.900
SOL 51124-6-1/4	078.1141.110	400	10x1	14	19	12.0	38.0	16.0	4.5	4.400
SOL 51124-6-3/8	078.1141.120	400	10x1	14	22	12.0	39.5	17.5	4.5	4.400
SOL 51124-6-1/2	078.1141.125	400	10x1	14	27	14.0	42.0	18.0	4.5	7.600
SOL 51124-8-1/8	078.1141.160	330	12x1	17	14	8.0	34.0	15.5	5.0	5.200
SOL 51124-8-1/4	078.1141.170	330	12x1	17	19	12.0	39.5	17.0	6.5	4.400
SOL 51124-8-1/2	078.1141.185	330	12x1	17	27	14.0	43.5	19.0	6.5	8.200
SOL 51124-10-1/4	078.1141.270	330	14x1	19	19	12.0	41.5	17.0	7.0	6.000
SOL 51124-10-3/8	078.1141.280	330	14x1	19	22	12.0	43.0	18.5	8.5	7.500
SOL 51124-10-1/2	078.1141.285	330	14x1	19	27	14.0	45.5	19.0	8.5	10.300
SOL 51124-10-3/4	078.1141.290	400	14x1	19	32	16.0	48.5	20.0	8.5	12.600
SOL 51124-12-1/4	078.1141.380	330	16x1	22	19	12.0	42.5	17.0	7.0	7.600
SOL 51124-12-3/8	078.1141.390	330	16x1	22	22	12.0	44.0	18.5	10.5	8.400
SOL 51124-12-1/2	078.1141.400	330	16x1	22	27	14.0	46.5	19.0	10.5	9.900
SOL 51124-12-3/4	078.1141.405	400	16x1	22	32	16.0	49.5	20.0	10.5	12.100
SOL 51124-15-1/2	078.1141.534	250	20x1.5	27	27	14.0	50.5	21.0	13.0	14.000
SOL 51124-16-1/2	078.1141.566	200	24x1.5	30	27	14.0	53.5	21.0	13.5	18.200
SOL 51124-16-1	078.1141.570	200	24x1.5	30	41	18.0	59.5	23.0	13.5	22.500
SOL 51124-18-1/2	078.1141.646	200	24x1.5	30	27	14.0	52.0	21.5	13.5	16.700
Für Zollrohre	Pour tubes pouces					For inch tubes				
SOL 51124-6,35-1/8	078.1141.135	400	10x1	14	14	8.0	31.5	14.5	4.5	3.000
SOL 51124-6,35-1/4	078.1141.140	330	10x1	14	19	12.0	38.5	16.0	4.5	3.000
SOL 51124-6,35-3/8	078.1141.145	400	10x1	14	22	12.0	40.0	17.5	4.5	5.500
SOL 51124-6,35-1/2	078.1141.150	400	10x1	14	27	14.0	42.5	18.0	4.5	7.700
SOL 51124-9,52-1/4	078.1141.230	330	14x1	19	19	12.0	41.5	17.0	7.0	6.500
SOL 51124-9,52-3/8	078.1141.235	400	14x1	19	22	12.0	43.0	18.5	8.5	7.900
SOL 51124-9,52-1/2	078.1141.240	400	14x1	19	27	14.0	45.5	19.0	8.5	10.800
SOL 51124-12,7-1/2	078.1141.434	400	20x1.5	27	27	14.0	50.5	21.5	13.0	15.300
SOL 51124-12,7-3/4	078.1141.536	400	20x1.5	27	32	16.0	52.0	22.5	13.0	15.100

5L

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

Gerade Einschraubverschraubung

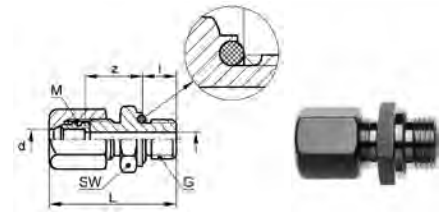
mit O-Ringabdichtung (FPM)

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											
G=Rohrgewinde (zylindrisch)	G=Filetage-gaz BSP (cylindrique)											
SOL 51124-6-1/8 OR	078.1171.100	400	10x1	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	10x1	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	12x1	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	14x1	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	14x1	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	16x1	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	16x1	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	20x1.5	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	24x1.5	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	24x1.5	30	27	12.0	50.0	21.5	13.0	27.0	2.50	16.450
Für Zollrohre	Pour tubes pouces											
SOL 51124-6,35-1/8 OR	078.1171.135	400	10x1	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	10x1	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	14x1	19	19	10.0	40.0	17.0	7.0	19.0	1.50	6.300
SOL 51124-9,52-3/8 OR	078.1171.235	330	14x1	19	22	10.0	41.0	18.5	8.5	23.0	2.00	7.600
SOL 51124-12,7-1/2 OR	078.1171.434	330	20x1.5	27	27	12.0	49.0	22.0	13.0	27.0	2.50	14.700

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

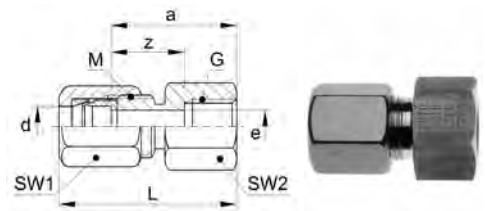
d=ø extérieur du tube
e=ø-min. de passage
L=après montage

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	10x1	14	14	22.0	32.0	12.0	4.5	3.000
SOL 51221-6-1/4	078.1201.110	400	10x1	14	17	24.0	34.0	13.0	4.5	3.700
SOL 51221-6-3/8	078.1201.120	400	10x1	14	22	25.0	35.0	13.0	4.5	5.200
SOL 51221-6-1/2	078.1201.125	400	10x1	14	27	31.0	41.0	17.0	4.5	9.000
SOL 51221-8-1/4	078.1201.170	330	12x1	17	17	25.0	35.5	14.0	6.5	4.500
SOL 51221-10-1/4	078.1201.270	330	14x1	19	17	25.0	37.5	14.0	8.5	5.600
SOL 51221-10-3/8	078.1201.280	330	14x1	19	22	26.0	38.5	14.0	8.5	6.900
SOL 51221-10-1/2	078.1201.285	330	14x1	19	27	28.0	40.5	14.0	8.5	9.000
SOL 51221-12-1/4	078.1201.380	330	16x1	22	17	25.0	38.5	14.0	10.5	6.900
SOL 51221-12-3/8	078.1201.390	330	16x1	22	22	26.0	39.5	14.0	10.5	8.200
SOL 51221-12-1/2	078.1201.400	330	16x1	22	27	28.0	41.5	14.0	10.5	10.200
SOL 51221-15-1/2	078.1201.534	250	20x1.5	27	27	30.5	45.5	16.5	13.0	13.700
SOL 51221-16-1/2	078.1201.566	200	24x1.5	30	27	30.5	49.0	16.5	15.0	17.500
SOL 51221-18-1/2	078.1201.646	200	24x1.5	30	27	30.5	47.0	16.5	15.0	16.100

Für Zollrohre	Pour tubes pouces			For inch tubes						
SOL 51221-6,35-1/8	078.1201.135	400	10x1	14	14	22.0	32.0	12.0	4.5	3.200
SOL 51221-6,35-1/4	078.1201.140	400	10x1	14	17	24.0	34.0	13.0	4.5	3.900
SOL 51221-6,35-3/8	078.1201.145	400	10x1	14	22	25.0	35.0	13.0	4.5	5.400
SOL 51221-6,35-1/2	078.1201.150	400	10x1	14	27	31.0	41.0	17.0	4.5	9.300
SOL 51221-9,52-1/4	078.1201.230	330	14x1	19	17	25.0	38.0	14.0	8.5	6.000
SOL 51221-9,52-3/8	078.1201.235	330	14x1	19	22	26.0	39.0	14.0	8.5	7.500
SOL 51221-9,52-1/2	078.1201.240	330	14x1	19	27	28.0	40.0	14.0	8.5	9.600
SOL 51221-12,7-1/2	078.1201.434	250	20x1.5	27	27	30.5	40.0	16.5	10.5	14.700

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

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

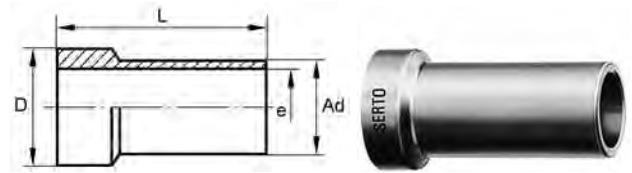
d=tube outside diameter
e=minimum bore
L=installed length

Verbindungsrippe

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	32.0	4.0	0.421
SOL 51300-A8	076.1300.080	330	10.5	35.0	6.0	0.624
SOL 51300-A10	076.1300.100	330	12.7	40.0	7.0	1.055
SOL 51300-A12	076.1300.120	330	14.7	29.0	9.0	1.597
SOL 51300-A15	076.1300.150	250	18.0	37.0	11.5	2.407
SOL 51300-A16	076.1300.160	200	22.4	41.0	12.5	2.790
SOL 51300-A18	076.1300.180	200	22.0	41.0	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.

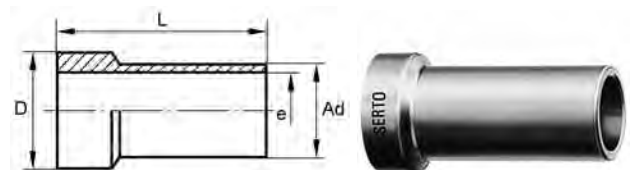
The relevant stiffener sleeve SO 50003 must always be ordered separately.

Verbindungsrippe

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	36.0	4.0	0.548
SOL 51304-A8	076.1310.080	330	10.5	38.0	6.0	0.801
SOL 51304-A10	076.1310.100	330	12.7	42.0	7.0	1.359
SOL 51304-A12	076.1310.120	330	14.7	44.0	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.

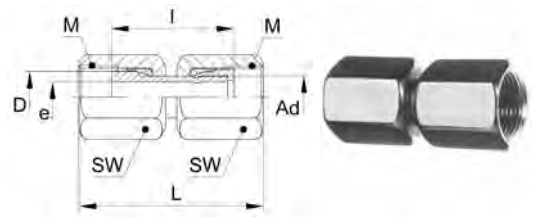
The relevant stiffener sleeve SO 50003 must always be ordered separately.

Numbers in red have been changed as of 5/15/2012

Einstellbare Kupplung

Accouplement orientable

Adjustable coupling



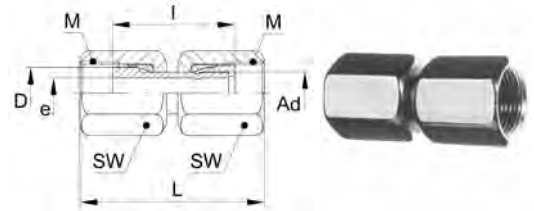
SOL 51325

Type -Ad	Mat.-Nr.	bar	M	SW	I	L	D	e	kg/100
Für metrische Rohre	Pour tubes métriques								
SOL 51325-A6	078.1320.060	400	10x1	14	30.0	45.0	8.5	4.0	0.751
SOL 51325-A8	078.1320.080	330	12x1	17	33.0	49.0	10.5	6.0	1.124
SOL 51325-A10	078.1320.100	330	14x1	19	38.0	53.0	12.7	7.5	1.709
SOL 51325-A12	078.1320.120	330	16x1	22	40.0	56.0	14.7	9.0	2.517
SOL 51325-A15	078.1320.150	250	20x1.5	27	38.5	57.0	18.0	11.5	3.979
SOL 51325-A16	078.1320.160	250	24x1.5	30	40.5	55.0	22.0	15.0	2.219
SOL 51325-A18	078.1320.180	200	24x1.5	30	42.5	59.0	22.0	15.0	5.531

Einstellbare Kupplung

Accouplement orientable

Adjustable coupling



SOL 51326

Type -Ad	Mat.-Nr.	bar	M	SW	I	L	D	e	kg/100
Für metrische Rohre	Pour tubes métriques								
SOL 51326-A6	078.1330.060	400	10x1	14	35.0	49.0	8.5	3.8	0.878
SOL 51326-A8	078.1330.080	330	12x1	17	37.0	52.0	10.5	6.0	1.301
SOL 51326-A10	078.1330.100	330	14x1	19	41.0	56.0	12.7	6.5	2.013
SOL 51326-A12	078.1330.120	330	16x1	22	43.0	58.0	14.7	9.0	2.913

5L

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

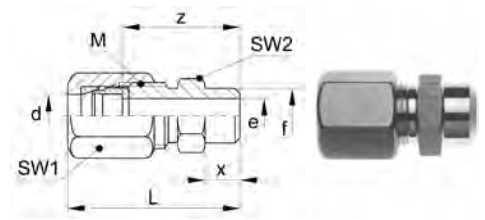
Ad=ø extérieur de la portée cylindrique
 e=ø-min. de passage
 L=après montage

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

Anschweissverschraubung

Union avec embout à souder

Weld-on union



SOL 51429

Type -d	Mat.-Nr.	bar	M	SW1	SW2	L	f	x	z	e	kg/100
Für metrische Rohre	Pour tubes métriques			For metric tubes							
SOL 51429-6	078.1400.060	400	10x1	14	10	31.0	9.8	8.0	21.0	4.5	2.500
SOL 51429-8	078.1400.080	330	12x1	17	12	32.5	11.8	8.0	22.0	6.5	3.700
SOL 51429-10	078.1400.100	330	14x1	19	14	35.5	13.8	8.0	23.0	8.5	4.800
SOL 51429-12	078.1400.120	330	16x1	22	17	37.5	16.0	8.0	24.0	10.5	6.700
SOL 51429-15	078.1400.150	250	20x1.5	27	22	44.5	19.0	10.0	29.5	13.0	11.600
SOL 51429-16	078.1400.160	200	24x1.5	30	24	50.0	22.0	11.0	31.5	15.0	17.100
SOL 51429-18	078.1400.180	200	24x1.5	30	24	48.0	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	10x1	14	10	31.0	9.8	8.0	21.0	4.5	2.600
SOL 51429-9,52	078.1400.095	330	14x1	19	14	35.5	13.8	8.0	23.0	8.5	5.100
SOL 51429-12,7	078.1400.127	250	20x1.5	27	22	44.5	19.0	10.0	29.5	13.0	12.600

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 Schottverschraubung

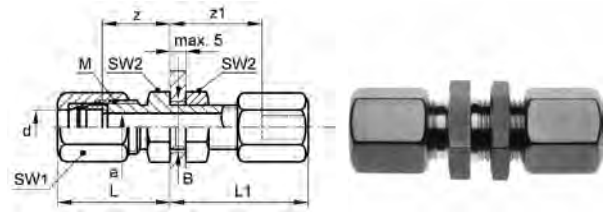
Durchführungslänge max. 5 mm

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	22.5	28.0	10.5	19.0	13.5	4.5	5.300
SOL 51521-8	078.1500.080	330	12x1	17	17	24.5	30.5	12.5	21.0	15.0	6.5	8.100
SOL 51521-10	078.1500.100	330	14x1	19	19	28.0	32.5	14.5	21.0	15.5	8.5	10.300
SOL 51521-12	078.1500.120	330	16x1	22	22	28.5	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	22.5	28.0	10.5	19.0	13.5	4.5	5.600
SOL 51521-9,52	078.1500.095	330	14x1	19	19	28.0	32.5	14.5	21.0	15.5	8.5	11.200

Gerade Schottverschraubung

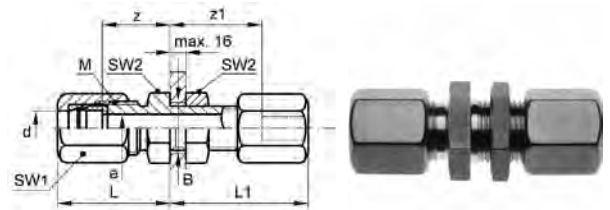
Durchführungslänge max. 16mm

Union double pour passage de cloison

pour cloison max. 16mm

Panel mount union

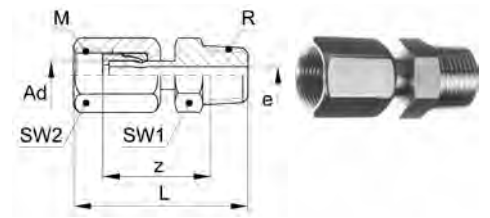
max. panel thickness 16mm



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	36.5	51.5	24.5	34.5	19.5	15.0	36.000
SOL 51524-18	078.1540.180	200	24x1.5	30	30	34.5	49.0	24.5	34.5	19.5	15.0	34.200

Einstellnippel vormontiert
Embout orientable mâle monté
Adjustable male adaptor assembly


SOL 51625

Type -Ad -R	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
Für metrische Rohre	Pour tubes métriques								
R=Rohrgewinde (kegelig)	R=Filetage-gaz BSP (conique)								
SOL 51625-A6-1/8	078.1620.100	400	10x1	12	14	34.5	23.0	4.0	2.600
SOL 51625-A6-1/4	078.1620.110	400	10x1	14	14	39.5	26.0	4.0	3.350
SOL 51625-A8-1/8	078.1620.160	330	12x1	12	17	36.0	25.0	6.0	3.160
SOL 51625-A8-1/4	078.1620.170	330	12x1	14	17	40.0	27.0	6.0	4.160
SOL 51625-A10-1/4	078.1620.270	330	14x1	14	19	42.0	29.0	7.0	4.760
SOL 51625-A10-3/8	078.1620.280	330	14x1	17	19	42.0	29.0	7.0	6.470
SOL 51625-A10-1/2	078.1620.285	330	14x1	22	19	45.0	32.0	7.0	9.200
SOL 51625-A12-1/4	078.1620.380	330	16x1	14	22	44.0	31.0	8.0	5.790
SOL 51625-A12-3/8	078.1620.390	330	16x1	17	22	44.0	31.0	9.0	7.290
SOL 51625-A12-1/2	078.1620.400	330	16x1	22	22	49.0	34.0	9.0	9.680
SOL 51625-A15-1/2	078.1620.534	250	20x1.5	22	27	54.0	37.0	12.0	12.750

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

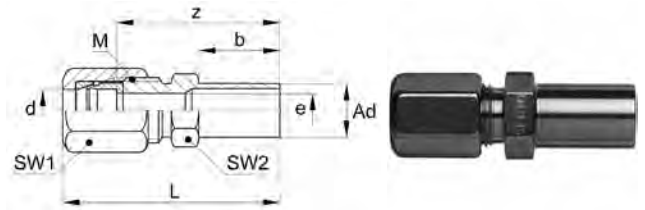
Ad=ø extérieur de la portée cylindrique
 e=ø-min. de passage
 L=après montage

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

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	10x1	14	12	39.5	17.0	29.5	4.5	2.530
SOL 51821-A12-8	078.1800.225	330	12x1	17	14	44.0	19.0	33.5	6.5	4.060
SOL 51821-A15-10	078.1800.410	250	14x1	19	17	48.5	21.0	36.0	8.5	5.430
SOL 51821-A18-12	078.1800.580	200	16x1	22	19	52.5	24.0	40.0	10.5	7.470
SOL 51821-A22-15	078.1800.745	200	20x1.5	27	24	58.5	25.0	43.5	13.0	12.010

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

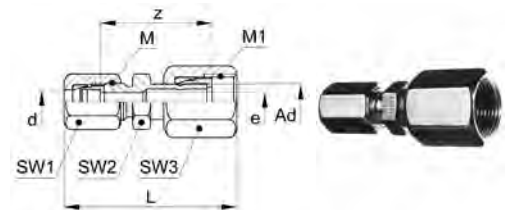
Les douilles d'appui SO 50003 correspondants sont à commander séparément.

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

Reduktionsverschraubung vormontiert

Réduction montée

Reduction assembly



SOL 51825

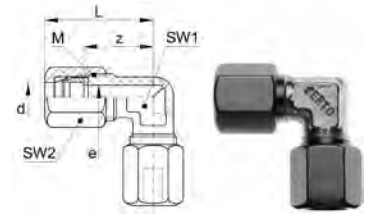
Type -Ad -d	Mat.-Nr.	bar	M	M1	SW1	SW2	SW3	L	z	e	kg/100
Für metrische Rohre	Pour tubes métriques										
SOL 51825-A10-6	078.1820.175	330	10x1	14x1	14	12	19	47.5	30.5	4.5	4.310
SOL 51825-A12-8	078.1820.225	330	12x1	16x1	17	14	22	52.0	34.5	6.5	6.270
SOL 51825-A15-10	078.1820.410	250	14x1	20x1.5	19	17	27	56.5	37.5	8.5	9.640
SOL 51825-A18-12	078.1820.580	200	16x1	24x1.5	22	19	30	62.5	41.0	10.5	12.520

5L

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

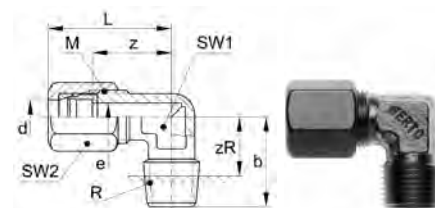
Winkelverschraubung
Coude
Elbow union

SOL 52021

Type -d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
Für metrische Rohre	Pour tubes métriques			For metric tubes					
SOL 52021-6	078.2000.060	400	10x1	9	14	26.0	16.0	4.5	4.450
SOL 52021-8	078.2000.080	330	12x1	10	17	29.0	18.0	6.5	6.640
SOL 52021-10	078.2000.100	330	14x1	12	19	33.5	20.5	8.5	8.880
SOL 52021-12	078.2000.120	330	16x1	14	22	35.5	21.5	9.5	12.310
SOL 52021-15	078.2000.150	250	20x1.5	17	27	39.0	24.0	13.0	20.210
SOL 52021-16	078.2000.160	200	24x1.5	22	30	45.0	26.0	15.0	28.900
SOL 52021-18	078.2000.180	200	24x1.5	22	30	43.0	26.5	15.0	26.550
Für Zollrohre	Pour tubes pouces			For inch tubes					
SOL 52021-6,35	078.2000.063	330	10x1	9	14	26.0	16.0	4.5	4.600
SOL 52021-9,52	078.2000.095	330	14x1	12	19	33.5	20.5	8.5	9.500
SOL 52021-12,7	078.2000.127	250	20x1.5	17	27	39.5	24.0	13.0	22.100

Winkel-Einschraubverschraubung

Coude mâle

Male adaptor elbow union



SOL 52421

Type -d -R	Mat.-Nr.	bar	M	SW1	SW2	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	10x1	9	14	26.0	17.5	13.5	16.0	4.5	2.900
SOL 52421-6-1/4	078.2401.110	400	10x1	10	14	28.0	22.5	18.5	18.0	4.5	4.200
SOL 52421-8-1/8	078.2401.160	330	12x1	10	17	28.5	18.0	14.0	18.0	6.0	4.000
SOL 52421-8-1/4	078.2401.170	330	12x1	10	17	28.5	22.5	18.5	18.0	6.5	4.700
SOL 52421-8-3/8	078.2401.180	330	12x1	14	17	32.5	26.0	19.6	22.0	8.5	6.800
SOL 52421-10-1/4	078.2401.270	330	14x1	12	19	33.0	25.0	19.0	20.5	8.5	5.700
SOL 52421-12-1/4	078.2401.380	330	16x1	14	22	35.0	25.3	18.9	21.5	8.5	7.500
SOL 52421-12-3/8	078.2401.390	330	16x1	14	22	35.0	26.0	19.6	21.5	10.5	8.300
SOL 52421-15-1/2	078.2401.534	250	20x1.5	17	27	39.0	29.5	21.3	24.0	13.0	13.300

Für Zollrohre

Pour tubes pouces

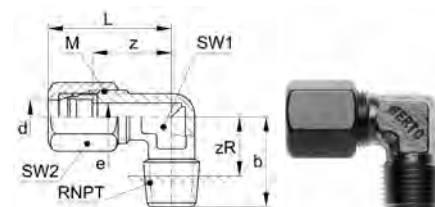
For inch tubes

SOL 52421-6,35-1/8	078.2401.135	400	10x1	9	14	25.0	17.5	13.5	16.0	4.5	3.000
SOL 52421-6,35-1/4	078.2401.140	400	10x1	10	14	27.0	22.5	18.5	18.0	4.5	4.100
SOL 52421-9,52-1/4	078.2401.230	330	14x1	12	19	33.5	25.0	19.0	20.5	8.5	3.900
SOL 52421-12,7-1/2	078.2401.434	250	20x1.5	17	27	39.5	29.5	21.5	24.0	13.0	14.500

Winkel Einschraubverschraubung NPT

Coude mâle NPT

Male adaptor elbow union NPT



SOL 52421 NPT

Type -d -RNPT	Mat.-Nr.	bar	M	SW1	SW2	L	b	zR	z	e	kg/100
Für metrische Rohre	Pour tubes métriques		For metric tubes								
RNPT=NPT Gewinde	RNPT=Filetage NPT		RNPT=NPT thread								
SOL 52421-6-1/8 NPT	078.2402.100	400	10x1	9	14	26.0	17.5	13.5	16.0	4.5	1.900
SOL 52421-8-1/4 NPT	078.2402.170	330	12x1	10	17	28.0	22.5	18.5	18.0	6.5	3.300
SOL 52421-10-1/4 NPT	078.2402.270	330	14x1	12	19	33.0	25.0	19.2	20.5	8.5	4.200
SOL 52421-12-3/8 NPT	078.2402.390	330	16x1	14	22	35.0	26.0	20.0	21.5	10.5	5.700
SOL 52421-15-1/2 NPT	078.2402.534	250	20x1.5	17	27	39.0	29.5	21.3	24.0	13.0	10.200

Für Zollrohre

Pour tubes pouces

For inch tubes

SOL 52421-6,35-1/8 NPT	078.2402.135	400	10x1	9	14	27.0	17.5	13.5	16.5	4.5	3.000
SOL 52421-9,52-1/4 NPT	078.2402.230	330	14x1	12	19	33.5	25.0	19.0	21.0	8.5	6.200
SOL 52421-12,7-1/2 NPT	078.2402.434	250	20x1.5	17	27	39.5	29.5	21.5	24.5	13.0	14.900

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

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

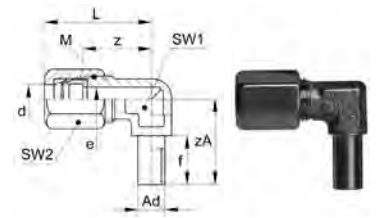
d=tube outside diameter
e=minimum bore
L=installed length

5L

Einstellwinkel

Coude orientable

Adjustable elbow union



SOL 52621

Type -d -Ad	Mat.-Nr.	bar	M	SW1	SW2	L	f	zA	z	e	kg/100
Für metrische Rohre	Pour tubes métriques			For metric tubes							
SOL 52621-6-A6	078.2600.060	400	10x1	9	14	26.0	12.5	18.0	16.0	4.0	2.570
SOL 52621-8-A8	078.2600.080	330	12x1	10	17	28.5	15.0	23.0	18.0	6.0	3.880
SOL 52621-10-A10	078.2600.100	330	14x1	12	19	33.0	17.0	25.5	20.5	7.0	5.370
SOL 52621-12-A12	078.2600.120	330	16x1	14	22	35.0	18.0	26.5	21.5	9.0	7.890
SOL 52621-15-A15	078.2600.150	250	20x1.5	17	27	39.0	19.5	30.0	24.0	12.0	13.450

Für Zollrohre	Pour tubes pouces			For inch tubes							
SOL 52621-6,35-A6	078.2600.067	400	10x1	9	14	26.5	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.

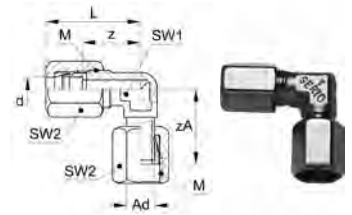
The relevant stiffener sleeve SO 50003 must always be ordered separately.

Winkelverschraubung

mit Einstellzapfen vormontiert

Coude orientable monté

Adjustable elbow assembly



SOL 52625

Type -d -Ad	Mat.-Nr.	bar	M	SW1	SW2	L	zA	z	e	kg/100	
Für metrische Rohre	Pour tubes métriques			For metric tubes							
SOL 52625-6-A6	078.2620.060	400	10x1	9	14	26.0	19.0	16.0	4.0	4.220	
SOL 52625-8-A8	078.2620.080	330	12x1	10	17	28.5	24.0	18.0	6.0	6.380	
SOL 52625-10-A10	078.2620.100	330	14x1	12	19	33.0	26.5	20.5	7.0	8.640	
SOL 52625-12-A12	078.2620.120	330	16x1	14	22	35.0	27.5	21.5	9.0	12.060	
SOL 52625-15-A15	078.2620.150	250	20x1.5	17	27	39.0	31.0	24.0	12.0	15.340	

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 \emptyset of cyl. stub
e=minimum bore
L=installed length

Winkel-Schottverschraubung

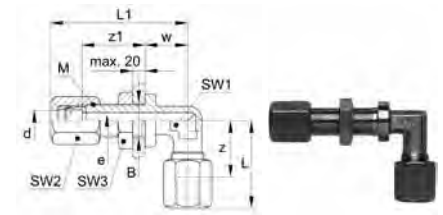
Durchführungslänge max. 20 mm

Union double pour passage de cloison

pour cloison max 20 mm

Panel mount union

max. panel thickness 20 mm



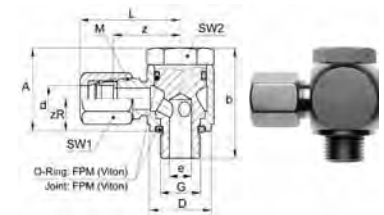
SOL 52721

Type -d	Mat.-Nr.	bar	M	SW1	SW2	SW3	L	L1	W	z1	z	e	kg/100
Für metrische Rohre	Pour tubes métriques			For metric tubes									
SOL 52721-6	078.2700.060	400	10x1	12	14	14	29.0	59.0	13.0	36.0	19.0	4.5	6.980
SOL 52721-8	078.2700.080	330	12x1	12	17	17	29.5	59.5	13.0	36.0	19.0	5.5	9.450
SOL 52721-10	078.2700.100	330	14x1	12	19	19	35.5	65.5	17.0	36.0	23.0	7.5	12.350
SOL 52721-12	078.2700.120	330	16x1	14	22	22	37.0	67.0	17.0	37.0	24.0	8.5	17.060
SOL 52721-15	078.2700.150	250	20x1.5	19	27	27	44.0	78.0	23.0	40.0	29.0	13.0	28.600
SOL 52721-16	078.2700.160	250	24x1.5	24	30	30	52.0	83.0	22.0	42.5	33.0	15.0	30.600
SOL 52721-18	078.2700.180	200	24x1.5	24	27	30	50.0	81.0	22.0	42.5	33.5	15.0	29.700
Für Zollrohre	Pour tubes pouces			For inch tubes									
SOL 52721-6,35	078.2700.063	400	10x1	12	14	14	30.0	60.0	13.0	36.0	19.0	4.5	7.300
SOL 52721-9,52	078.2700.095	330	14x1	12	19	19	36.0	66.0	17.0	36.0	23.0	7.5	13.800
SOL 52721-12,7	078.2700.127	250	20x1.5	19	27	27	44.5	78.5	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	10x1	14	14	28.0	21.0	28.5	16.0	18.0	4.5	6.280
SOL 52824-8-1/8	078.2841.160	330	12x1	17	14	29.0	22.0	28.5	18.0	19.0	4.5	8.300
SOL 52824-8-1/4	078.2841.170	330	12x1	17	19	31.0	27.0	38.0	20.5	20.5	7.0	12.000
SOL 52824-10-1/4	078.2841.270	330	14x1	19	19	33.0	27.0	36.0	20.5	20.5	7.0	13.190
SOL 52824-12-3/8	078.2841.390	330	16x1	22	24	36.5	35.0	47.0	26.0	24.0	9.0	24.600
SOL 52824-15-1/2	078.2841.534	250	20x1.5	27	27	43.0	41.5	54.5	31.5	28.0	12.0	39.100
SOL 52824-16-1/2	078.2841.566	200	24x1.5	30	27	46.0	43.5	54.5	31.5	28.5	12.0	42.400
SOL 52824-18-1/2	078.2841.646	200	24x1.5	30	27	45.0	43.5	54.5	31.5	28.5	12.0	41.700
Für Zollrohre	Pour tubes pouces			For inch tubes								
SOL 52824-6,35-1/8	078.2841.135	400	10x1	14	14	29.0	21.0	31.0	17.0	18.0	4.5	2.200
SOL 52824-9,52-1/4	078.2841.230	330	14x1	19	19	33.5	27.0	36.0	20.5	20.5	7.0	4.600
SOL 52824-12,7-1/2	078.2841.434	330	20x1.5	27	27	43.5	41.5	55.0	31.5	28.5	12.0	25.600

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

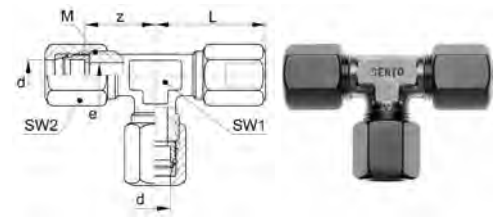
d=ø extérieur du tube
e=ø-min. de passage
L=après montage

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

T-Verschraubung

Té

Tee union



SOL 53021

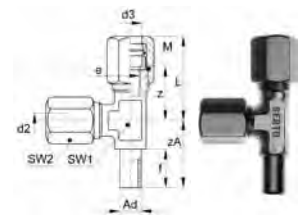
Type -d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
Für metrische Rohre	Pour tubes métriques		For metric tubes						
SOL 53021-6	078.3000.060	400	10x1	9	14	26.0	16.0	4.5	6.500
SOL 53021-8	078.3000.080	330	12x1	10	17	28.5	18.0	6.5	9.600
SOL 53021-10	078.3000.100	330	14x1	12	19	33.5	20.5	8.5	12.900
SOL 53021-12	078.3000.120	330	16x1	14	22	35.0	21.5	9.5	17.800
SOL 53021-15	078.3000.150	250	20x1.5	17	27	39.0	24.0	13.0	29.600
SOL 53021-16	078.3000.160	200	24x1.5	22	30	45.0	26.0	15.0	40.800
SOL 53021-18	078.3000.180	200	24x1.5	22	30	43.5	26.5	15.0	38.100

Für Zollrohre	Pour tubes pouces		For inch tubes						
SOL 53021-6,35	078.3000.063	400	10x1	9	14	25.5	16.5	4.5	6.800
SOL 53021-9,52	078.3000.095	330	14x1	12	19	33.5	21.0	8.5	13.900
SOL 53021-12,7	078.3000.127	250	20x1.5	17	27	39.5	24.5	13.0	32.400

Einstellbare L-Verschraubung

L orientable

Adjustable L union



SOL 53621 L

Type -Ad -d2 -d3	Mat.-Nr.	bar	M	SW1	SW2	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	10x1	9	14	26.0	12.5	18.0	16.0	4.0	4.750
SOL 53621-A8-8-8	078.3610.080	330	12x1	10	17	28.5	15.0	23.0	18.0	6.0	6.920
SOL 53621-A10-10-10	078.3610.100	330	14x1	12	19	33.0	17.0	25.5	20.5	7.0	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=Rohraussen-ø
Ad=Aussen-ø der Andrehung
e=kleinste Bohrung
L=Mass in montiertem Zustand

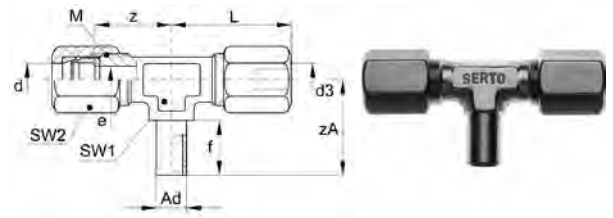
d=ø extérieur du tube
Ad=ø extérieur de la portée cylindrique
e=ø-min. de passage
L=après montage

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

Einstellbare T-Verschraubung

Té orientable

Adjustable Tee union



SOL 53621 T

Type -d -Ad -d3	Mat.-Nr.	bar	M	SW1	SW2	L	zA	z	e	kg/100
Für metrische Rohre	Pour tubes métriques		For metric tubes							
SOL 53621-6-A6-6	078.3600.060	400	10x1	9	14	26.0	18.0	16.0	4.0	4.750
SOL 53621-8-A8-8	078.3600.080	330	12x1	10	17	28.5	23.0	18.0	6.0	6.920
SOL 53621-10-A10-10	078.3600.100	330	14x1	12	19	33.0	25.5	20.5	7.0	9.400
Für Zollrohre	Pour tubes pouces		For inch tubes							
SOL 53621-6,35-A6-6,35	078.3600.067	400	10x1	9	14	27.0	18.0	16.5	4.0	4.900
SOL 53621-9,52-A10-9,52	078.3600.095	330	14x1	12	19	33.5	25.5	21.0	7.0	10.300

Die entsprechende Stützhülse SO 50003 ist immer separat zu bestellen.

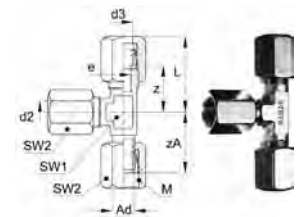
Les douilles d'appui SO 50003 correspondants sont à commander séparément.

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

Einstellbare L-Verschraubung vormontiert

L orientable monté

Adjustable L assembly



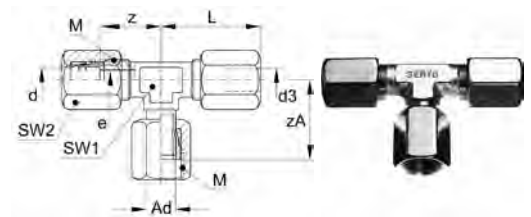
SOL 53625 L

Type -Ad -d2 -d3	Mat.-Nr.	bar	M	SW1	SW2	L	zA	z	e	kg/100
SOL 53625-A6-6-6	078.3630.060	400	10x1	9	14	26.0	19.0	16.0	4.0	6.400
SOL 53625-A8-8-8	078.3630.080	330	12x1	10	17	28.5	24.0	18.0	6.0	9.420
SOL 53625-A10-10-10	078.3630.100	330	14x1	12	19	33.0	26.5	20.5	7.0	12.670

Einstellbare T-Verschraubung vormontiert

Té orientable monté

Adjustable Tee assembly



SOL 53625 T

Type -d -Ad -d3	Mat.-Nr.	bar	M	SW1	SW2	L	zA	z	e	kg/100
SOL 53625-6-A6-6	078.3620.060	400	10x1	9	14	26.0	19.0	16.0	4.0	6.400
SOL 53625-8-A8-8	078.3620.080	330	12x1	10	17	28.5	24.0	18.0	6.0	9.420
SOL 53625-10-A10-10	078.3620.100	330	14x1	12	19	33.0	26.5	20.5	7.0	12.670

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

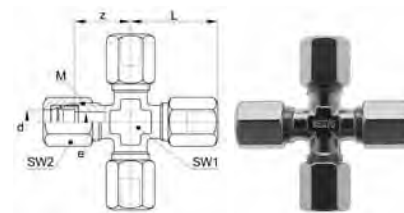
d= \emptyset extérieur du tube
Ad= \emptyset extérieur de la portée cylindrique
e= \emptyset -min. de passage
L=après montage

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

Kreuzverschraubung

Croix

Cross union



SOL 54021

Type -d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
Für metrische Rohre	Pour tubes métriques		For metric tubes						
SOL 54021-6	078.4000.060	400	10x1	12	14	27.5	17.5	4.5	8.900
SOL 54021-8	078.4000.080	330	12x1	12	17	29.5	19.0	6.5	13.200
SOL 54021-10	078.4000.100	330	14x1	14	19	35.5	23.0	8.5	17.300
SOL 54021-12	078.4000.120	330	16x1	14	22	38.5	25.0	9.5	23.400
SOL 54021-15	078.4000.150	250	20x1.5	17	27	41.0	26.0	13.0	39.100
Für Zollrohre	Pour tubes pouces		For inch tubes						
SOL 54021-6,35	078.4000.063	400	10x1	12	14	27.0	17.5	4.5	9.700
SOL 54021-9,52	078.4000.095	330	14x1	14	19	36.0	23.5	8.5	10.000
SOL 54021-12,7	078.4000.127	250	20x1.5	17	27	41.5	26.5	13.0	19.200