

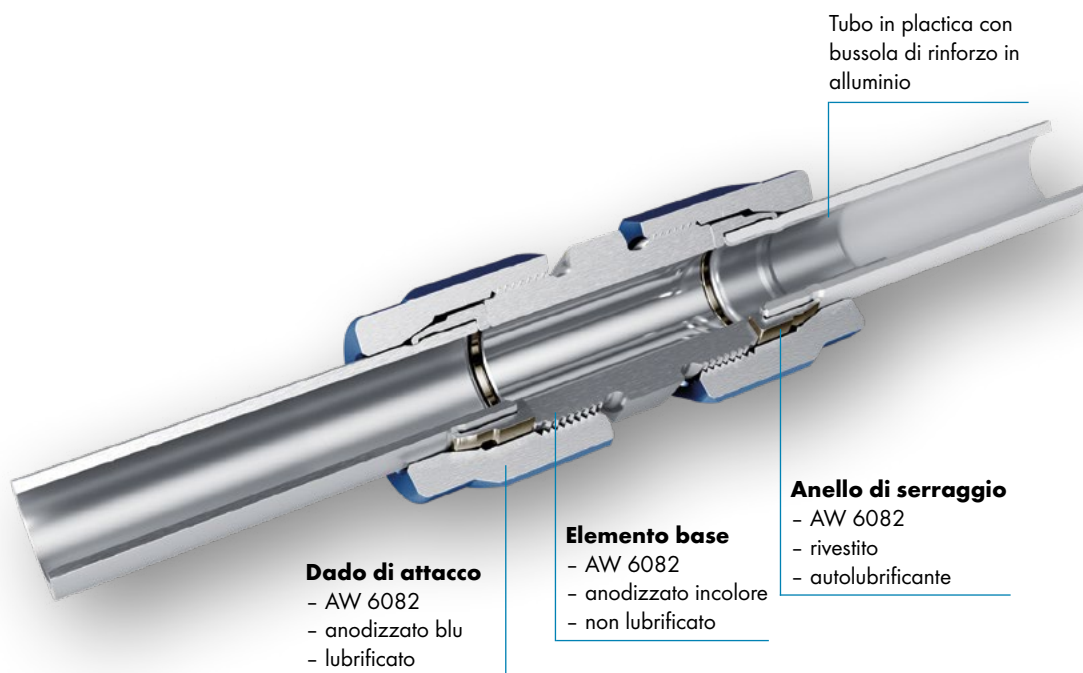


Il raccordo in alluminio



Leggero, robusto, versatile

Raccordi in alluminio con il principio SERTO



Dado di attacco
 - AW 6082
 - anodizzato blu
 - lubrificato

Elemento base
 - AW 6082
 - anodizzato incolore
 - non lubrificato

Anello di serraggio
 - AW 6082
 - rivestito
 - autolubrificante

Tubo in plastica con
 bussola di rinforzo in
 alluminio

Caratteristiche

Proprietà	Vantaggi per il cliente
<ul style="list-style-type: none"> • Leggerissimo, circa un terzo del peso rispetto ad acciaio inox e ottone 	Peso inferiore
<ul style="list-style-type: none"> • Buona resistenza a corrosione, intemperie, acqua di mare, termofluidi, oli minerali, benzina, gas di vario tipo 	Utilizzo in sicurezza in diverse condizioni
<ul style="list-style-type: none"> • Già lubrificato e quindi pronto per il montaggio 	Risparmio di tempo e denaro
<ul style="list-style-type: none"> • Sistema radiale 	Risparmio di tempo e spazio, maggior sicurezza e semplicità di montaggio

Esempi di utilizzo

- Impianti di raffreddamento per circuiti elettronici di potenza
- Tubazioni per costruzione leggera
- Linee per circuiti pneumatici, di alimentazione del carburante, lubrificanti e frenanti di autoveicoli

Specifiche

Pressione di esercizio (PN): Fino a 100 bar; dettagli vedi tabelle dei prodotti (fattore di sicurezza 4)

Temperatura: -196 °C a +120 °C

Perdita di tenuta all'elio: < 10⁻⁶ mbar • l/s

Tubi consigliati

Tubi trafilati con leghe AW 6060 (T6 / T4) o AW 5049 (H111) e con tolleranze di diametro secondo DIN EN 754-7 (trafilati senza saldatura) o 754-8 (trafilati con saldatura).

Campi di applicazione



Tecnologia energetica



Costruzione leggera

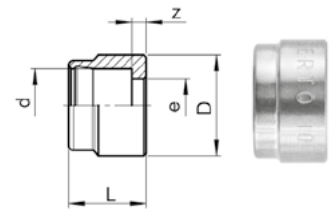


Mobilità

Klemmring

Anello di serraggio

Compression ferrule



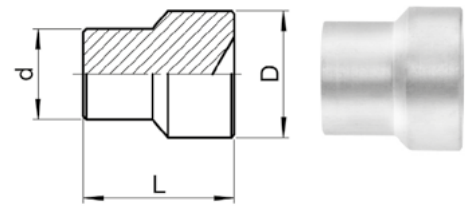
SO 10001

Type-d	Mat.-Nr.	bar	L	D	z	e	kg/100
SO 10001-8	116.0010.080	100	7.0	10.5	1.0	6.0	0.060
SO 10001-10	116.0010.100	100	7.5	12.7	1.0	8.0	0.080
SO 10001-12	116.0010.120	100	8.5	14.7	1.0	9.0	0.120
SO 10001-15	116.0010.150	100	10.0	18.0	1.5	12.0	0.190
SO 10001-18	116.0010.180	100	10.0	22.0	1.5	15.0	0.310
SO 10001-22 OR	116.0009.220	64	11.0	25.7	1.5	18.0	0.390
SO 10001-28 OR	116.0009.280	64	13.0	32.7	2.0	24.0	0.720
SO 10001-35 OR	116.0009.350	40	13.0	39.0	2.0	30.0	0.780

Abschlusszapfen

Tappo di chiusura

Plug



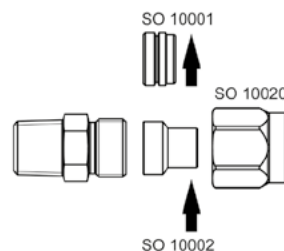
SO 10002

Type-d	Mat.-Nr.	L	D	kg/100
SO 10002-8	116.0020.080	10.5	10.5	0.190
SO 10002-10	116.0020.100	12.0	12.7	0.310
SO 10002-12	116.0020.120	14.0	14.7	0.510
SO 10002-15	116.0020.150	15.0	18.0	0.830
SO 10002-18	116.0020.180	16.8	22.0	1.310
SO 10002-22	116.0020.220	19.0	25.7	2.090
SO 10002-28	116.0020.280	22.5	32.7	4.030
SO 10002-35	116.0020.350	19.0	39.0	4.900

Anwendungsbeispiele:

Esempio di utilizzo:

Sample combinations:



Der Abschlusszapfen lässt sich in jede Verschraubung anstelle eines Klemmringes der gleichen Größe einsetzen.

Il tappo di chiusura può essere inserito in ogni raccordo al posto di un anello di serraggio di analoghe dimensioni.

The plug can be inserted into all unions instead of a compression ferrule of the same size.

Montagehinweis: Anschlussmutter mit 1/4 Umdrehung anziehen.

Nota per il montaggio: Stringere il dado di attacco di 1/4 di giro.

Assembly information: Tighten the union nut with 1/4 turn.

Stützhülse

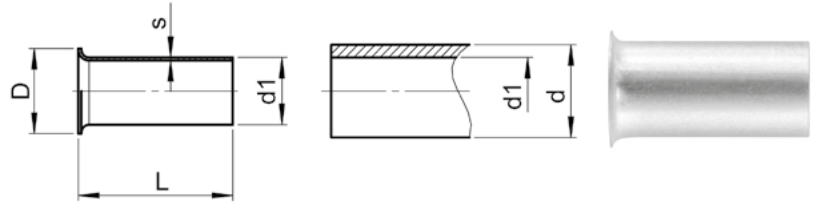
zur Rohrverstärkung

Bussola di rinforzo

per il rinforzo dei tubi

Stiffener sleeve

to reinforce tubes

**SO 10003**

Type -d-d1	Mat.-Nr.	L	D	s	kg/100
SO 10003-8-6	116.0030.140	12.0	7.5	0.25	0.020
SO 10003-10-7	116.0030.180	15.0	9.5	0.30	0.030
SO 10003-10-8	116.0030.190	16.0	9.5	0.30	0.030
SO 10003-12-9	116.0030.230	20.0	11.5	0.40	0.060
SO 10003-12-10	116.0030.240	20.0	11.5	0.40	0.060
SO 10003-15-12	116.0030.420	24.0	14.5	0.50	0.120
SO 10003-18-15	116.0030.610	26.0	16.5	0.60	0.190
SO 10003-18-16	116.0030.620	26.0	17.5	0.60	0.200

Werkstoff: Aluminium AW 6060

Materiale: Alluminio AW 6060

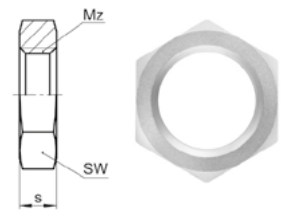
Material: Aluminium AW 6060

Für die Verwendung von Aluminium-Verschraubungen in Kombination mit Kunststoff-Rohren.

Per l'utilizzo di raccordi in alluminio nelle in combinazione con tubi in plastica.

For the use of aluminium unions in combination with plastic tubes.

Sechskantmutter METR
Dado esagonale METR
Hexagon nut METR



SO 10006 METR

Type -Mz	Mat.-Nr.	SW	s	kg/100
Mz=metrisches Gewinde (zylindrisch)	Mz=Filettatura metrica (cilindrica)	Mz=Metric thread (parallel)		
SO 10006-M14x1	116.0063.220	19	7.00	0.330
SO 10006-M16x1	116.0063.260	22	7.00	0.450
SO 10006-M24x1,5	116.0063.405	30	12.00	1.200
SO 10006-M28x1,5	116.0063.445	36	14.00	2.100

Sechskantmutter für SO 11524, SO 12721

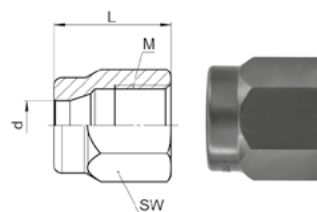
Dado esagonale per SO 11524, SO 12721

Hexagon nut for SO 11524, SO 12721

Anschlussmutter

Dado di attacco

Union nut



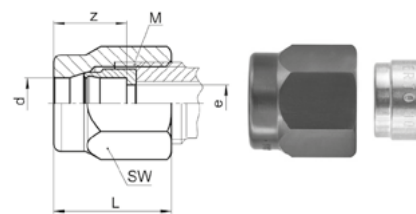
SO 10020

Type-d	Mat.-Nr.	bar	M	SW	L	kg/100
SO 10020-8	116.0200.080	100	12x1.0	14	16.0	0.340
SO 10020-10	116.0200.100	100	14x1.0	17	18.5	0.620
SO 10020-12	116.0200.120	100	16x1.0	19	20.0	0.770
SO 10020-15	116.0200.150	100	20x1.5	24	24.0	1.530
SO 10020-18	116.0200.180	100	24x1.5	30	25.0	2.640
SO 10020-22	116.0200.220	64	28x1.5	32	28.0	2.710
SO 10020-28	116.0200.280	64	36x2.0	41	32.0	4.970
SO 10020-35	116.0200.350	40	42x2.0	50	32.0	7.880

Armaturenanschluss

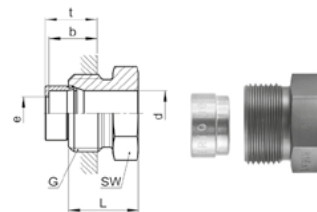
Dado e anello di serraggio

Nut connection

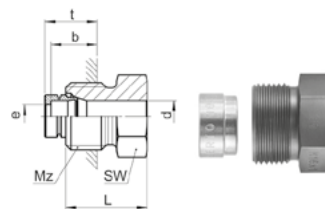


SO 10021

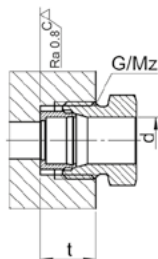
Type-d	Mat.-Nr.	bar	M	SW	L	z	e	kg/100
SO 10021-8	116.0210.080	100	12x1.0	14	16.0	8.5	6.0	0.400
SO 10021-10	116.0210.100	100	14x1.0	17	18.5	10.5	8.0	0.700
SO 10021-12	116.0210.120	100	16x1.0	19	20.0	12.0	9.0	0.890
SO 10021-15	116.0210.150	100	20x1.5	24	24.0	13.0	12.0	1.720
SO 10021-18	116.0210.180	100	24x1.5	30	25.0	13.5	15.0	2.960
SO 10021-22	116.0210.220	64	28x1.5	32	28.0	16.5	18.0	3.100
SO 10021-28	116.0210.280	64	36x2.0	41	32.0	16.5	24.0	5.690
SO 10021-35	116.0210.350	40	42x2.0	50	32.0	17.0	30.0	8.660

Anschlussnippel**Niplo maschio per collegamento tubo****Nipple connection****SO 11001**

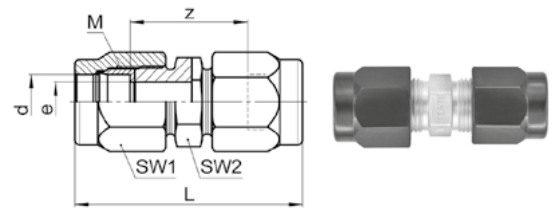
Type -d -G	Mat.-Nr.	bar	SW	L	b	t	e	kg/100
G=Rohrgewinde (zylindrisch)	G=Filettatura BSP (cilindrica)	G=BSP thread (parallel)						
SO 11001-8-1/4	118.0905.170	100	14	15.0	9.0	10.0	6.0	0.400
SO 11001-10-3/8	118.0905.280	100	17	15.0	9.0	10.0	8.0	0.620

Anschlussnippel METR**Niplo maschio per collegamento tubo METR****Nipple connection METR****SO 11001 METR**

Type -d -Mz	Mat.-Nr.	bar	SW	L	b	t	e	kg/100
Mz=metrisches Gewinde (zylindrisch)	Mz=Filettatura metrica (cilindrica)	Mz=Metric thread (parallel)						
SO 11001-10-M16x1	118.0901.284	100	17	15.0	9.0	10.0	8.0	0.600
SO 11001-12-M18x1	118.0901.332	100	19	15.0	10.0	11.0	9.0	0.700

Anwendungsbeispiele:**Esempio di utilizzo:****Sample combinations:**

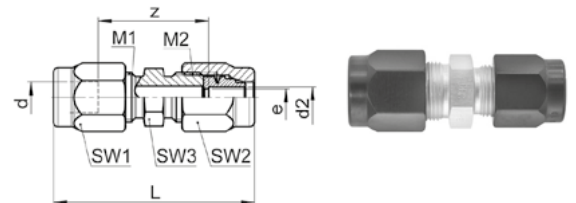
Gerade Verschraubung
Raccordo intermedio diritto
Straight union



SO 11021

Type -d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
SO 11021-8	118.1020.080	100	12x1.0	14	12	41.0	24.5	6.0	1.280
SO 11021-10	118.1020.100	100	14x1.0	17	14	47.0	25.5	8.0	2.000
SO 11021-12	118.1020.120	100	16x1.0	19	17	50.0	26.0	9.0	2.680
SO 11021-18	118.1020.180	100	24x1.5	30	24	64.0	37.0	15.0	8.310
SO 11021-22	118.1020.220	64	28x1.5	32	30	71.0	38.0	18.0	9.700
SO 11021-28	118.1020.280	64	36x2.0	41	36	82.0	49.0	24.0	17.900
SO 11021-35	118.1020.350	40	42x2.0	50	46	85.0	51.0	30.0	26.600

Gerade Verschraubung reduziert
Raccordo intermedio diritto ridotto
Straight reduction union



SO 11021 RED

Type -d-d2	Mat.-Nr.	bar	M1	M2	SW1	SW2	SW3	L	z	e	kg/100
SO 11021-12-10	118.1024.240	100	16x1.0	14x1.0	19	17	17	49.0	26.0	8.0	2.500

Gerade Einschraubverschraubung

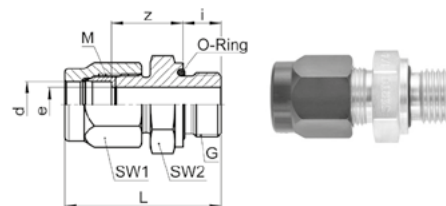
mit Conovor O-Ringabdichtung (FKM)

Raccordo diritto con filetto maschio

con O-ring Conovor (FKM)

Male adaptor union

with Conovor O-ring seal (FKM)

**SO 11124 OR**

Type -d-G	Mat.-Nr.	bar	M	SW1	SW2	L	D	i	t	O-Ring	z	e	kg/100
G=Rohrgewinde (zylindrisch)	G=Filettatura BSP (cilindrica)	G=BSP thread (parallel)											
SO 11124-8-1/8 OR	118.1171.160	100	12x1.0	14	14	32.0	15.0	8.0	1.0	8.73x1.78	15.5	5.0	0.900
SO 11124-8-1/4 OR	118.1171.170	100	12x1.0	14	19	35.5	19.0	10.0	1.5	11.1x1.78	17.0	6.0	1.310
SO 11124-10-1/4 OR	118.1171.270	100	14x1.0	17	19	39.0	19.0	10.0	1.5	11.1x1.78	18.0	8.0	1.600
SO 11124-10-1/2 OR	118.1171.285	100	14x1.0	17	27	43.5	27.0	12.0	2.5	18.72x2.62	21.0	8.0	3.000
SO 11124-10-1 OR	118.1171.300	100	14x1.0	17	41	47.5	42.0	14.0	2.5	27.8x3.6	23.0	8.0	6.200
SO 11124-12-1/4 OR	118.1171.380	100	16x1.0	19	19	40.0	19.0	10.0	1.5	11.1x1.78	18.0	8.0	1.900
SO 11124-12-3/8 OR	118.1171.390	100	16x1.0	19	22	40.5	23.0	10.0	2.0	14.0x1.78	18.5	9.0	2.320
SO 11124-12-1/2 OR	118.1171.400	100	16x1.0	19	27	45.0	27.0	12.0	2.5	18.72x2.62	21.0	9.0	3.200
SO 11124-15-1/2 OR	118.1171.534	100	20x1.5	24	27	50.0	27.0	12.0	2.5	18.72x2.62	25.5	12.0	4.400
SO 11124-15-3/4 OR	118.1171.536	100	20x1.5	24	32	51.0	33.0	12.0	2.5	23.47x2.62	26.5	12.0	6.000
SO 11124-18-1/2 OR	118.1171.646	100	24x1.5	30	27	51.0	27.0	12.0	2.5	18.72x2.62	25.5	13.0	5.700
SO 11124-18-3/4 OR	118.1171.648	100	24x1.5	30	32	54.0	33.0	12.0	2.5	23.47x2.62	28.5	15.0	7.380
SO 11124-22-3/4 OR	118.1171.768	64	28x1.5	32	32	55.0	33.0	12.0	2.5	23.47x2.62	26.5	18.0	7.000
SO 11124-28-1 OR	118.1171.850	64	36x2.0	41	41	63.0	42.0	14.0	2.5	27.8x3.6	32.5	24.0	12.450
SO 11124-35-1 1/4 OR	118.1171.944	40	42x2.0	50	50	70.5	52.0	16.0	2.5	37.69x3.53	37.5	30.0	20.800

Gerade Einschraubverschraubung METR

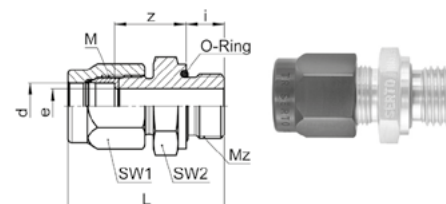
mit Conovor O-Ringabdichtung (FKM)

Raccordo diritto con filetto maschio METR

con O-ring Conovor (FKM)

Male adaptor union METR

with Conovor O-ring seal (FKM)

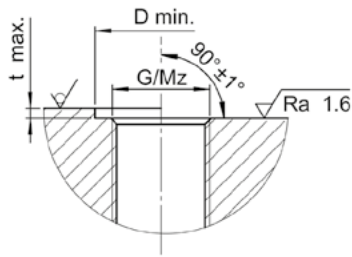
**SO 11124 OR METR**

Type -d-Mz	Mat.-Nr.	bar	M	SW1	SW2	L	D	i	t	O-Ring	z	e	kg/100
Mz=metrisches Gewinde (zylindrisch)	Mz=Filettatura metrica (cilindrica)	Mz=Metric thread (parallel)											
SO 11124-10-M14x1.5 OR	118.1173.280	100	14x1.0	17	19	38.0	19.5	10.0	1.5	11.1x1.78	17.0	8.0	1.600
SO 11124-12-M12x1.5 OR	118.1173.320	100	16x1.0	19	17	39.0	17.5	10.0	1.5	9.25x1.78	17.0	6.0	1.700
SO 11124-15-M18x1.5 OR	118.1173.390	100	20x1.5	24	22	47.0	23.5	10.0	2.0	15.6x1.78	24.0	12.0	3.400

Fortsetzung nächste Seite

Vedi pagina seguente

Continued on next page

Einbauempfehlung:**Raccomandazione di montaggio:****Recommendation for installation:****Einsatzbereich: Temperatur zwischen -20 °C und +120 °C**

Die Vorteile dieser O-Ringabdichtung:

- keine Dichtmittelreste in Geräten
- einwandfreie Abdichtung
- keine Beschädigung von Geräten durch konische Gewinde
- schnelle Montage

Conovor patentierte O-Ring Abdichtung

Intervallo di utilizzo: Temperatura tra -20 °C e +120 °C

I vantaggi di questa guarnizione O-ring:

- assenza di residui di sigillante nelle apparecchiature
- tenuta perfetta
- assenza di danni alle apparecchiature dovuti a filettature coniche
- montaggio rapido

Guarnizione O-ring brevettata Conovor

Range of use: Temperature between -20 °C and +120 °C

Advantages of this O-ring seal:

- no sealing residues in devices
- perfect seal
- no damage to devices due to tapered thread
- rapid assembly

Conovor patented O-ring seal

Einstellbare Einschraubverschraubung

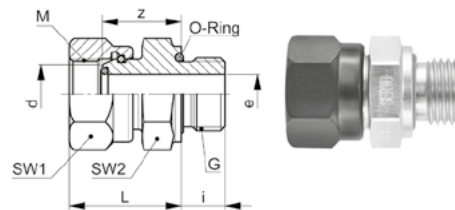
mit Conovor O-Ringabdichtung (FKM)

Raccordo filetto maschio orientabile

con O-ring Conovor (FKM)

Adjustable male adaptor union

with Conovor O-ring seal (FKM)



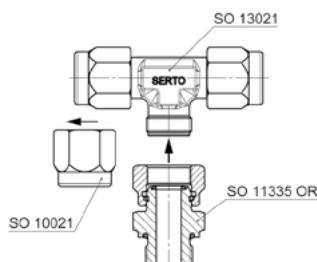
SO 11335 OR

Type-d-G	Mat.-Nr.	bar	M	SW1	SW2	L	D	i	t	O-Ring	z	e	kg/100
G=Rohrgewinde (zylindrisch)													
			G=Filettatura BSP (cilindrica)										
										G=BSP thread (parallel)			
SO 11335-8-1/4 OR	118.1651.170	100	12x1.0	17	19	21.5	19.0	10.0	1.5	11.1x1.78	15.0	6.0	1.400
SO 11335-10-1/4 OR	118.1651.270	100	14x1.0	19	19	24.5	19.0	10.0	1.5	11.1x1.78	17.0	8.0	1.500
SO 11335-12-3/8 OR	118.1651.390	100	16x1.0	22	22	25.5	23.0	10.0	2.0	14.0x1.78	18.0	9.0	2.300
SO 11335-15-1/2 OR	118.1651.534	100	20x1.5	27	27	31.5	27.0	12.0	2.5	17.12x2.62	22.0	12.0	4.100
SO 11335-18-3/4 OR	118.1651.648	100	24x1.5	32	32	32.5	33.0	12.0	2.5	23.47x2.62	23.0	15.0	6.100
SO 11335-22-3/4 OR	118.1651.768	64	28x1.5	36	32	32.5	33.0	12.0	2.5	23.47x2.62	23.0	18.0	6.100
SO 11335-35-1 1/4 OR	118.1651.944	40	42x2.0	55	50	43.5	52.0	16.0	2.5	37.69x3.53	31.0	30.0	18.400

Anwendungsbeispiele:

Esempio di utilizzo:

Sample combinations:



Mit der einstellbaren Einschraubverschraubung lassen sich verschiedene Grundteile einfach verbinden. Kompakte Bauweise, schnelle Montage, einfache Fixierung der Komponenten in der gewünschten Stellung.

d = Kenngröße: entspricht dem Rohraussen- \varnothing des Armaturenanschlusses SO 10021, der gegen die einstellbare Einschraubverschraubung SO 11335 OR ausgetauscht werden kann.

Montagehinweis: Anschlussmutter mit 1/8 Umdrehung anziehen. Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Con il raccordo filetto maschio orientabile è possibile collegare facilmente diversi componenti di base. Costruzione compatta, montaggio rapido, fissaggio facile dei componenti nella posizione desiderata.

d = la misura nominale corrisponde al dia. esterno del tubo del dado e anello di serraggio SO 10021, che può essere sostituito con il raccordo filetto maschio orientabile SO 11335 OR.

Nota per il montaggio: Stringere il dado di attacco con 1/8 di giro. Si consiglia una lubrificazione supplementare sulla superficie piana.

With the adjustable male adaptor union different basic components can easily be connected. Compact construction, quick assembly, and easy fixing of the components in the desired position.

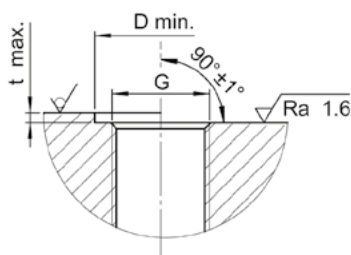
d = nominal size: corresponds to tube outside diameter of the nut connection SO 10021 which can be replaced by the adjustable male adaptor union SO 11335 OR.

Assembly information: Tighten the union nut with 1/8 turn. We recommend additional lubrication on the plane surface.

Einbauempfehlung:

Raccomandazione di montaggio:

Recommendation for installation:



d=Rohraussen- \varnothing
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

Einstellbare Verschraubung

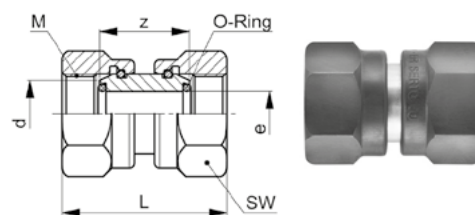
mit O-Ringabdichtung (FKM)

Raccordo orientabile

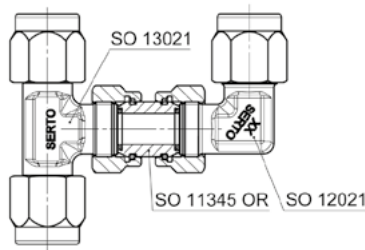
con O-ring (FKM)

Adjustable union

with O-ring seal (FKM)

SO 11345 OR

Type -d	Mat.-Nr.	bar	M	SW	L	O-Ring	z	e	kg/100
SO 11345-8 OR	118.1350.080	100	12x1.0	17	29.0	6.0x1.0	16.0	6.0	1.200
SO 11345-10 OR	118.1350.100	100	14x1.0	19	33.0	8.0x1.0	18.0	8.0	1.600
SO 11345-12 OR	118.1350.120	100	16x1.0	22	33.0	9.0x1.5	18.0	9.0	2.200
SO 11345-15 OR	118.1350.150	100	20x1.5	27	41.0	12.0x1.5	22.0	12.0	4.100
SO 11345-18 OR	118.1350.180	100	24x1.5	32	41.0	15.0x2.0	22.0	15.0	5.600
SO 11345-22 OR	118.1350.220	64	28x1.5	36	41.0	18.0x2.0	22.0	18.0	6.700

Anwendungsbeispiele:**Esempio di utilizzo:****Sample combinations:****Einsatzbereich: Temperatur zwischen -20 °C und +120 °C**

Mit der einstellbaren Verschraubung lassen sich verschiedene Grundteile einfach verbinden. Kompakte Bauweise, schnelle Montage, einfache Fixierung der Komponenten in der gewünschten Stellung.

Beachten Sie auch die Möglichkeiten mit SO 11335 OR.

d = Kenngröße: entspricht dem Rohraussen- \varnothing des Armaturenanschlusses SO 10021, der gegen die einstellbare Verschraubung SO 11345 OR ausgetauscht werden kann.

Montagehinweis: Beide Anschlussmutter mit 1/8 Umdrehung anziehen. Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Intervallo di utilizzo: Temperatura tra -20 °C e +120 °C

Con il raccordo orientabile è possibile collegare facilmente diversi componenti di base. Costruzione compatta, montaggio rapido, fissaggio facile dei componenti nella posizione desiderata.

Tenere in considerazione anche le possibilità con SO 11335 OR.

d = la misura nominale corrisponde al dia. esterno del tubo del dado e anello di serraggio SO 10021, che può essere sostituito con il raccordo orientabile SO 11345 OR.

Nota per il montaggio: Stringere i due dadi di attacco con 1/8 di giro. Si consiglia una lubrificazione supplementare sulla superficie piana.

Range of use: Temperature between -20 °C and +120 °C

With the adjustable union different basic components can easily be connected. Compact construction, quick assembly, and easy fixing of the components in the desired position.

See SO 11335 OR for additional possibilities.

d = nominal size: corresponds to tube outside dia. of the nut connection SO 10021 which can be replaced by the adjustable union SO 11345 OR.

Assembly information: Tighten both union nuts with 1/8 turn. We recommend additional lubrication on the plane surface.

Gerade Schottverschraubung

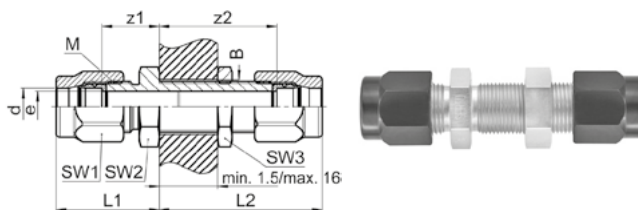
Durchführungslänge max. 16 mm

Raccordo diritto passa paratia

spessore max. paratia 16 mm

Panel mount union

max. panel thickness 16 mm

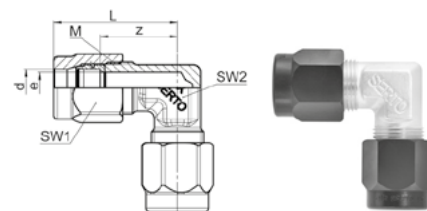
SO 11524

Type-d	Mat.-Nr.	bar	M	SW1	SW2	SW3	L1	L2	B	z1	z2	e	kg/100
SO 11524-10	118.1540.100	100	14x1.0	17	19	19	26.0	43.5	14.5	15.5	33.0	8.0	2.900
SO 11524-12	118.1540.120	100	16x1.0	19	22	22	28.0	46.0	16.5	16.0	34.0	9.0	4.300
SO 11524-18	118.1540.180	100	24x1.5	30	30	30	37.0	56.0	24.5	23.5	42.5	15.0	12.400
SO 11524-22	118.1540.220	64	28x1.5	32	36	36	41.0	61.0	28.5	24.5	44.5	18.0	15.800

Sechskantmutter siehe SO 10006 METR

Per il dado esagonale vedi SO 10006 METR

Hexagon nut see SO 10006 METR

Winkelverschraubung**Raccordo a gomito****Elbow union****SO 12021**

Type-d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
SO 12021-10	118.2000.100	100	14x1.0	17	14	31.0	20.5	8.0	2.400
SO 12021-12	118.2000.120	100	16x1.0	19	17	33.5	21.5	9.0	3.200
SO 12021-15	118.2000.150	100	20x1.5	24	19	41.0	28.5	12.0	6.000
SO 12021-18	118.2000.180	100	24x1.5	30	22	44.0	30.5	15.0	9.500
SO 12021-22	118.2000.220	64	28x1.5	32	27	48.0	31.5	18.0	10.900
SO 12021-28	118.2000.280	64	36x2.0	41	32	56.5	40.0	24.0	20.100
SO 12021-35	118.2000.350	40	42x2.0	50	41	62.0	45.0	30.0	31.600

d=Rohraussen-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

Winkel-Schottverschraubung

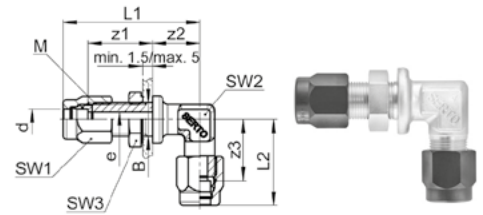
Durchführungslänge max. 5 mm

Raccordo a gomito passa paratia

spessore max. paratia 5 mm

Panel mount elbow union

max. panel thickness 5 mm

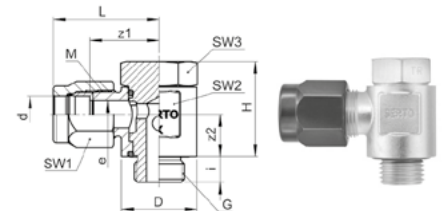
SO 12721

Type -d	Mat.-Nr.	bar	M	SW1	SW2	SW3	L1	L2	B	z1	z2	z3	e	kg/100
SO 12721-10	118.2700.100	100	14x1.0	17	17	19	52.0	34.0	14.5	23.0	18.0	23.5	8.0	4.100

Sechskantmutter siehe SO 10006 METR

Per il dado esagonale, vedi SO 10006 METR

Hexagon nut see SO 10006 METR

Schwenkverschraubung**Raccordo girevole****Single banjo****SO 12824**

Type -d-G	Mat.-Nr.	bar	M	SW1	SW2	SW3	L	D	H	i	z1	z2	e	kg/100
SO 12824-8-1/8	118.2841.160	100	12x1.0	14	14	13	26.0	15.0	20.5	6.5	17.5	9.0	5.5	1.400
SO 12824-10-1/4	118.2841.270	100	14x1.0	17	19	17	32.0	20.0	28.0	8.5	21.0	12.5	6.5	2.900
SO 12824-12-3/8	118.2841.390	100	16x1.0	19	24	22	35.0	25.0	31.5	8.5	23.0	14.0	8.5	4.800
SO 12824-15-1/2	118.2841.534	100	20x1.5	24	30	27	42.0	30.0	38.0	10.0	29.5	17.0	12.0	8.400

O-Ring: FKM

O-ring: FKM

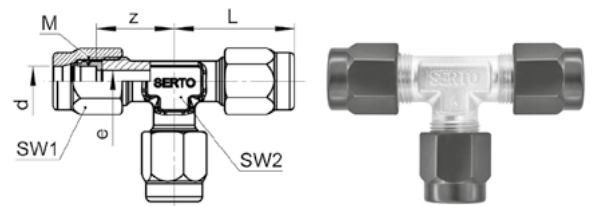
O-Ring: FKM

T-Verschraubung

Raccordo a T

Tee union

SO 13021



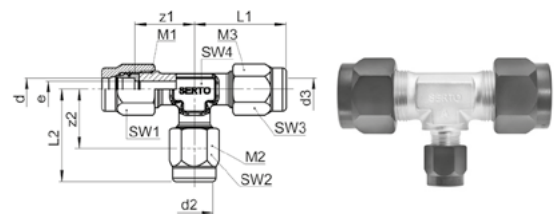
Type-d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
SO 13021-10	118.3000.100	100	14x1.0	17	14	31.0	20.5	8.0	3.400
SO 13021-12	118.3000.120	100	16x1.0	19	17	33.5	21.5	9.0	4.500
SO 13021-15	118.3000.150	100	20x1.5	24	19	39.0	26.0	12.0	8.100
SO 13021-18	118.3000.180	100	24x1.5	30	22	44.0	30.5	15.0	13.300
SO 13021-22	118.3000.220	64	28x1.5	32	27	48.0	31.5	18.0	15.800
SO 13021-28	118.3000.280	64	36x2.0	41	32	56.5	40.0	24.0	28.400
SO 13021-35	118.3000.350	40	42x2.0	50	41	62.0	45.0	30.0	43.300

T-Verschraubung reduziert

Raccordo a T ridotto

Tee reduction union

SO 13021 RED



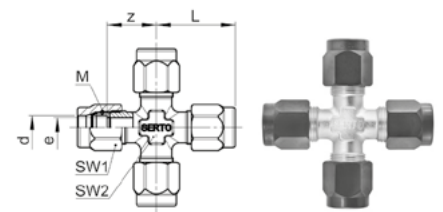
Type-d-d2-d3	Mat.-Nr.	bar	M1	M2	M3	SW1	SW2	SW3	SW4	L1	L2	z1	z2	e	kg/100
SO 13021-18-10-18	118.3004.584	100	24x1.5	14x1.0	24x1.5	30	17	30	22	43.0	36.5	29.5	28.0	8.0	10.700
SO 13021-18-12-18	118.3004.599	100	24x1.5	16x1.0	24x1.5	30	19	30	22	43.0	38.0	29.5	28.0	9.0	10.900
SO 13021-22-12-22	118.3004.740	64	28x1.5	16x1.0	28x1.5	32	19	32	27	48.0	40.0	31.5	30.0	9.0	13.300
SO 13021-22-18-22	118.3004.862	64	28x1.5	24x1.5	28x1.5	32	30	32	27	48.0	45.0	31.5	33.5	15.0	15.600

Kreuzverschraubung

Croce

Cross union

SO 14021



Type-d	Mat.-Nr.	bar	M	SW1	SW2	L	z	e	kg/100
SO 14021-12	118.4000.120	100	16x1.0	19	14	33.5	21.5	9.0	5.400

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L=dimensione raccordo montato

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

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