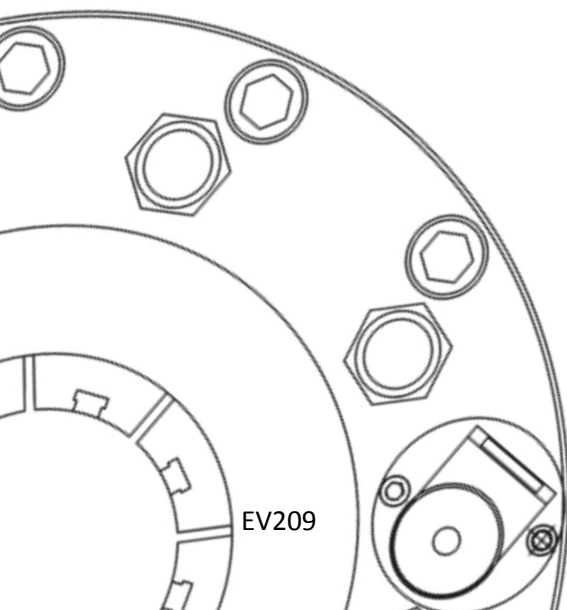


EV Verschraubungen

Connectors



Fluid Technology

seit 1948

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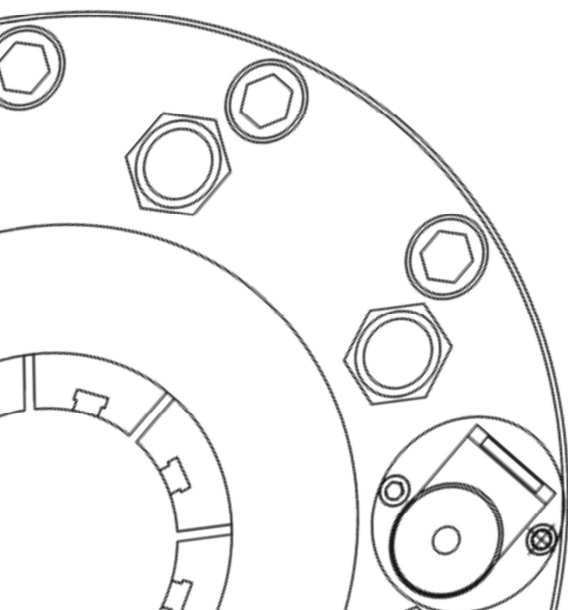
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Fluid Technology

seit 1948

Empfehlungen für die Wahl von Rohren / Tube selection recommendations

Für Verschraubungen aus Stahl empfehlen wir Rohre nach DIN 2391/C aus Werkstoff St37.4, normal blankgeglüht, phosphatiert und geölt. Die nachstehenden Berechnungsdrücke wurden nach folgender Formel ermittelt.

For steel fittings we recommend tubes which conform to DIN 2391/C of material St37.4, normal bright annealed, phosphated and oiled. The design pressures given below have been calculated in accordance with the following formula:

$$p=10K \cdot \ln(AD:ID) \cdot (1:S) \text{ bar}$$

K = 360 N/mm² (Zugfestigkeit / tensile strength)

AD = Ø in mm (Außendurchmesser / outside diameter)

ID = Ø in mm (Innendurchmesser / inner diameter)

S = Sicherheitsbeiwert / safety coefficient (nach ISO/DIS 10763: S=4)

ln = Natürlicher Logarithmus / natural logarithm

Die Formel basiert darauf, daß auf Grund des Hooke'schen Gesetzes die größte Spannung in tangentialer Richtung an der Innenseite des Rohres auftritt. Sie ist genauer als die bisher verwendeten Formeln nach DIN 2413 und wird in Zukunft international genormt (ISO/DIS 10763).

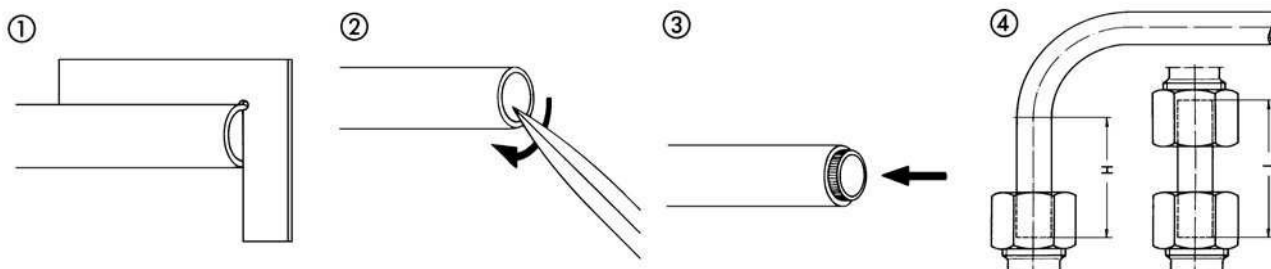
The formula is based on the fact that on account of Hooke's law the maximum stress in tangential direction impinges on the inside of the pipe. It is more accurate than the previously used formulas in accordance with DIN 2413 and will be standardized in the future internationally (ISO/DIS 10763)

Rohr Ø Tube Ø Mm	Stärke Wall mm	Druck pressure (S=4) bar
4	0,5	259
4	1,0	624
5	0,5	201
5	1,0	460
6	1,0	365
6	1,5	624
6	2,0	989
8	1,0	259
8	1,5	423
8	2,0	624
8	2,5	883
10	1,0	201
10	1,5	321
10	2,0	460
10	2,5	624
10	3,0	825
12	1,0	164
12	1,5	259
12	2,0	365
12	2,5	485
12	3,0	624
12	3,5	788
14	2,0	303
14	2,5	398
14	3,0	504
14	3,5	624
14	4,0	763

Rohr Ø Tube Ø mm	Stärke Wall mm	Druck pressure (S=4) bar
15	1,5	201
15	2,0	279
15	2,5	365
15	3,0	460
16	2,0	259
16	2,5	337
16	3,0	423
18	1,5	164
18	2,0	226
18	2,5	293
18	3,0	365
20	2,0	201
20	2,5	259
20	3,0	321
20	3,5	388
20	4,0	460
22	1,5	132
22	2,0	181
22	2,5	232
22	3,0	287
22	3,5	345
25	2,0	157
25	2,5	201
25	3,0	247
25	4,0	347
25	5,0	460

Rohr Ø Tube Ø mm	Stärke Wall mm	Druck pressure (S=4) bar
28	2,0	139
28	2,5	177
28	3,0	217
28	3,5	259
30	2,0	129
30	3,0	201
30	4,0	279
30	5,0	365
30	6,0	460
35	2,0	109
35	2,5	139
35	3,0	169
35	4,0	234
35	5,0	303
38	2,0	100
38	3,0	155
38	4,0	213
38	5,0	275
38	6,0	342
42	2,0	90
42	3,0	139
42	4,0	190
42	5,0	245

Rohrvorbereitung / Pipe preparation:



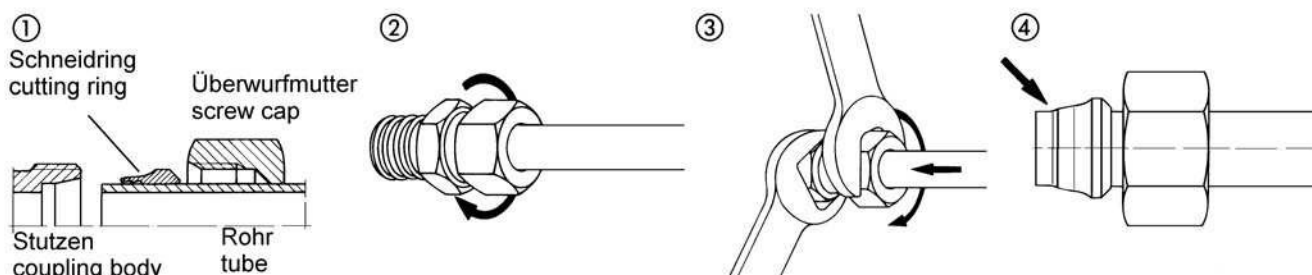
1. Rohr rechtwinklig absägen (keinen Rohrschneider verwenden). 0,5° Winkelabweichung ist zulässig.
Cut the tube square (do not use a pipe cutter). An angular offset of 0,5° is permissible.
2. Innen und außen leicht entgraten, zulässige Anfasung 0,2x45°. Rohr reinigen.
Deburr the pipe inside and outside, permissible chamfer 0,2x45°. Clean the pipe.
3. Zur sicheren Montage sollten weiche Rohre (Kupfer, Aluminium, dünnwandige Stahlrohre) mit einer Verstärkungshülse versehen werden.
To ensure a safe assembly, a reinforcing ring should be used for tubes which are made of copper or aluminium resp. and for thin walled steel tubes.
4. Mindestlänge für gerades Rohrende bei Rohrbögen und minimale gerade Rohrlänge einhalten (siehe Tabelle).
Minimum length of straight tube in tube bends and minimum straight tube length see table.

Reihe	LL				L										S									
RohrØ	4	5	6	8	6	8	10	12	15	18	22	28	35	42	6	8	10	12	14	16	20	25	30	38
H _{min}	24	25	25	26	31	31	33	33	36	38	42	42	48	48	35	35	37	37	43	43	50	54	58	65
L _{min}	30	32	32	33	39	39	42	42	45	48	53	53	60	60	44	44	47	47	54	54	63	68	73	82

Hinweise zu Schmierstoffen / Note of lubrications:

Die verzinkten Verschraubungen haben eine farblose Gleitbeschichtung. Einölen der Verschraubungen entfällt. Bei phosphatierten und noch in Umlauf befindlichen Verschraubungen ist das Gewinde der Überwurfmutter sowie das Gewinde und der Konus des Verschraubungsstutzens einzuölen. Das Gewinde und der Konus von gehärteten Vormontagestutzen sind ebenfalls generell einzuölen.

Galvanized couplings have a colourless lubricant coating. Further lubrication is not necessary. In case of bonderized couplings and older galvanized couplings which are still in circulation, the thread of the nut and the cone of the coupling body should be oiled. The thread and the cone of a hardened pre-installing body should be oiled in every case.



1. Überwurfmutter und Schneidring auf des Rohr schieben. Achtung: Die Schneidkante des Schneidringes muß dem Rohrende zugekehrt sein, sonst Fehlmontage.
Push nut and cutting ring onto the pipe. Note: The cutting edge must face towards the pipes end.
2. Überwurfmutter bis zur fühlbaren Auflage aufschrauben.
Screw the nut on until contact is perceptible.
3. Rohr gegen Anschlag im Verschraubungsstutzen drücken (das Rohr muß am Anschlag anliegen, sonst erfolgt kein Rohreinschnitt). Die Überwurfmutter um ca. 1 ½ Umdrehungen mit dem Schlüssel anziehen, Verschraubungsstutzen mit Schlüssel gegenhalten.
Press the pipe against the stop in the coupling body (the pipe must rest on the stop, otherwise no pipe incision will take place). Tighten the nut approximately 1 ½ turns with the wrench, holding the coupling body in position.
4. **Kontrolle:** Rohranschluß durch Lösen der Überwurfmutter demontieren. Sichtbar aufgeworfener Bund muß den Raum vor der Schneidkantenstirnfläche ausfüllen. Der Schneidring darf sich drehen, jedoch nicht axial verdrehen lassen. **Wiederholmontage:** Nach dem Lösen des Rohranschlusses soll die Überwurfmutter mit dem gleichem Kraftaufwand (bei gleichem Hebelarm) wie bei der Erstmontage angezogen werden. Dies wird annähernd erreicht, wenn die Überwurfmutter bis zur fühlbaren Anlage aufgeschraubt wird und dann um ca. 1/8 Umdrehung mit dem Schlüssel angezogen wird.

Checking: Disassemble the pipe connection, by slackening the nut. A visible flange projection must fill the space in front of the cutting edge end face. The cutting ring may rotate, but not permit axial displacement. **Re-installation:** After releasing the pipe connection, the nut should be tightened with the same force (with the same lever arm) as for initial installation. This must be achieved approximately if the nut is screwed on until perceptible contact is made and tightened approximately 1/8 of a turn with the wrench.

Anzugsdrehmomente für Einschraubzapfen / Tightening torques for screwed plugs

Richtwerte für Einschraubzapfen mit zylindrischem Gewinde / Guide for threaded plugs with parallel threads:

- Mit Dichtkante (MB,RB) Form B nach DIN 3852 / with sealing edge (MB,RB) form B to DIN 3852
- Mit Weichdichtung (MD,RD) Form E nach DIN 3852 / with flexible seal (MD,RD) form E to DIN 3852
- Mit O-Ring-Abdichtung (MO) nach ISO 6149 (DIN 3852) / with o-ring seal (MO) according to ISO 6149 (DIN 3852)

Reihe Serie	Rohr Ø Tube Ø	Metrisches Gewinde Thread: metric	Anzugsdrehmoment Tightening torque	Whitworth Rohrgewinde Thread: BSP	Anzugsdrehmoment Tightening torque
LL	4	M 8x1,0	10 Nm	G 1/8"	20 Nm
	5	M 8x1,0	10 Nm	G 1/8"	20 Nm
	6	M 10x1,0	20 Nm	G 1/8"	20 Nm
	8	M 10x1,0	20 Nm	G 1/8"	20 Nm
L	6	M 10x1,0	20 Nm	G 1/8"	20 Nm
	8	M 12x1,5	30 Nm	G 1/4"	40 Nm
	10	M 14x1,5	45 Nm	G 1/4"	40 Nm
	12	M 16x1,5	60 Nm	G 3/8"	80 Nm
	15	M 18x1,5	80 Nm	G 1/2"	140 Nm
	18	M 22x1,5	130 Nm	G 1/2"	100 Nm
	22	M 26x1,5 (M27x2,0)	190 Nm	G 3/4"	180 Nm
	28	M 33x2,0	300 Nm	G 1"	300 Nm
	35	M 42x2,0	600 Nm	G 1 1/4"	600 Nm
	42	M 48x2,0	800 Nm	G 1 1/2"	800 Nm
S	6	M 12x1,5	40 Nm	G 1/4"	50 Nm
	8	M 14x1,5	60 Nm	G 1/4"	50 Nm
	10	M 16x1,5	80 Nm	G 3/8"	90 Nm
	12	M 18x1,5	110 Nm	G 3/8"	90 Nm
	14	M 20x1,5	140 Nm	G 1/2"	160 Nm
	16	M 22x1,5	170 Nm	G 1/2"	140 Nm
	20	M 27x2,0	250 Nm	G 3/4"	250 Nm
	25	M 33x2,0	450 Nm	G 1"	400 Nm
	30	M 42x2,0	600 Nm	G 1 1/4"	650 Nm
	38	M 48x2,0	800 Nm	G 1 1/2"	800 Nm

Die angegebenen Werte gelten für Einschraubverschraubungen aus Stahl, Oberfläche phosphatiert oder verzinkt, Gegenkörper mit dem Einschraubloch ebenfalls aus Stahl. Sie gelten nicht für Schwenkverschraubungen und Verschraubungen aus Werkstoff 1.4571. Sie gelten ebenso nicht für kegelige Einschraubgewinde, da bei diesen die Dichtheit nicht durch das Anzugsdrehmoment, sondern durch zusätzliche Dichtmittel (z.B. Teflonband) erreicht wird. Für Gewindereduzierungen 17-122/... und 17-123/... sind die Anzugsdrehmomente der Reihe S zu verwenden.

The figures given apply to threaded couplings in steel, surface phosphate- or zinc-coated fitted to couplings with female threads in steel. They do not apply to banjo couplings and couplings made of material 1.4571. They also do not apply for tapered threaded couplings as they do not derive their sealing properties from the degree of tightening but from additional sealing elements (e.g. teflon tape). For reducing adapters type 17-122/... and 17-123/... read off the torque from series S.

Bitte beachten Sie, daß alle Angaben in diesem Katalog unseren Erfahrungswerten entsprechen und ausschließlich Ihrer Information dienen. Eine Verbindlichkeit kann daraus nicht hergeleitet werden.

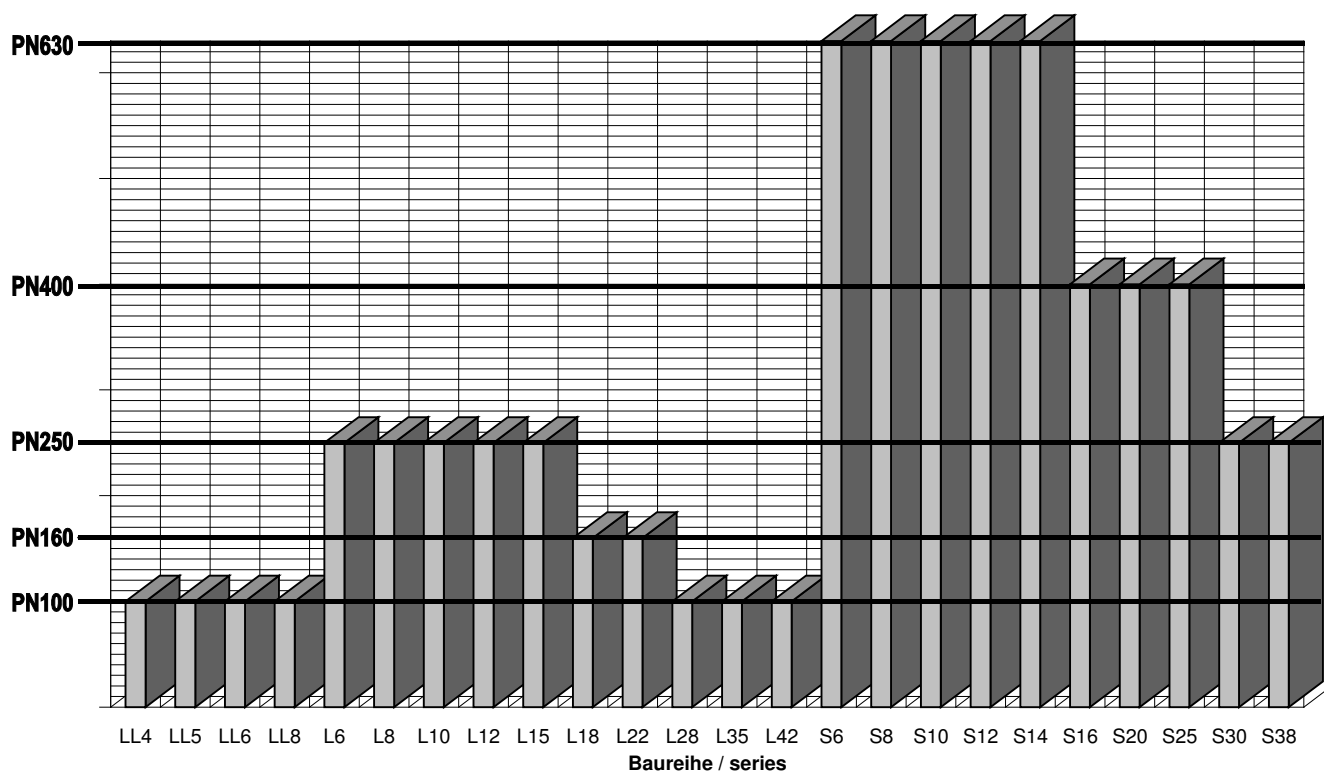
Please notice that all data in this catalogue are based on our experiences and have no mandatory character !

Druckbereiche, Temperaturen, Sicherheiten / Pressure ranges, temperatures, safety factors

Zulässige Betriebsdrücke nach DIN 2353 / Permissible working pressures according to DIN 2353:

Die Nenndrücke PN stellen die maximal zulässigen Betriebsdrücke einschließlich Druckspitzen in bar dar. Bei höheren Temperaturen und mechanischen Schwingungen sollten entsprechend niedrigere Betriebsdrücke gewählt werden.
The nominal pressure ratings represent the maximum permissible working pressures inclusive of pressure peaks in bar. When higher temperatures and mechanical vibrations are involved, the working pressure should be reduced accordingly.

Druckbereiche nach DIN 2353



Zulässige Betriebstemperaturen / Permissible working temperatures

Verschraubungswerkstoff	Fitting material	Temperatur / temperature
Stahl (DIN 3859)	steel (DIN 3859)	- 20 °C bis / to +120 °C
Dichtungswerkstoffe	Seal materials	
NBR (z.B. Perbunan®)	NBR (e.g. Perbunan®)	- 25 °C bis / to +100 °C
FPM (z.B. Viton®)	FPM (e.g. Viton®)	- 15 °C bis / to +200 °C
PTFE (z.B. Teflon®)	PTFE (e.g. Teflon®)	-100 °C bis / to +250 °C

Bei Kombinationen verschiedener Verschraubungs- und Dichtungswerkstoffe gilt die jeweils höchste der unteren Temperaturen und die jeweils niedrigste der obersten Betriebstemperaturen (z.B. Stahl+NBR= -20 °C bis +100 °C).
When combining several different types of fitting- and sealing materials, the highest minimum and the lowest maximum temperature figures should be used (e.g. steel + NBR = -20 °C to +100 °C).

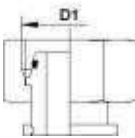
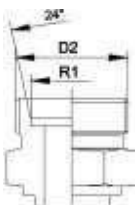
Umgebungstemperatur / Ambient temperature

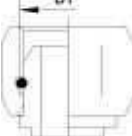
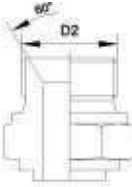
Bei Stahlverschraubungen bis -40 °C, Stahlverschraubungen mit Dichtungen aus NBR bis -35 °C. Stahlverschraubungen mit Dichtungen aus FPM bis -25 °C Umgebungstemperatur.
In case of steel couplings down to -40 °C, steel couplings with NBR seals down to 35 °C. Steel couplings with FPM seals down to -25 °C ambient temperature.

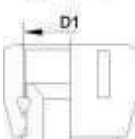
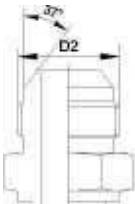
Sicherheiten / Safety factors

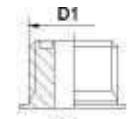
Die Funktionssicherheit bei Raumtemperatur ist bei Verschraubungen nach DIN 2353 mindestens 4-fach.
At normal temperature conditions the safety factor for steel couplings according DIN 2353 is at least 4-fold.

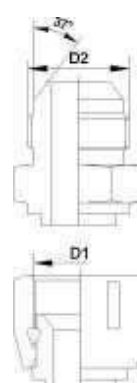
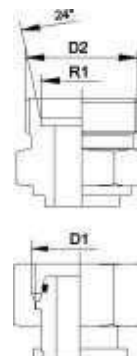
D1		D2	R1	
Metrische Anschlüsse		S. 1-74		
M 12x1,5	10,4	12	L 06	-
M 14x1,5	12,4	14	L 08	S 06
M 16x1,5	14,4	16	L 10	S 08
M 18x1,5	16,4	18	L 12	S 10
M 20x1,5	18,4	20	-	S 12
M 22x1,5	20,4	22	L 15	S 14
M 24x1,5	22,4	24	-	S 16
M 26x1,5	24,4	26	L 18	-
M 30x2,0	27,8	30	L 22	S 20
M 36x2,0	33,8	36	L 28	S 25
M 42x2,0	39,8	42	-	S 30
M 45x2,0	42,8	45	L 35	-
M 52x2,0	49,8	52	L 42	S 38
BSP		S. 75-93		
R 1/8"	8,8	9,6		
R 1/4"	11,8	13,1		
R 3/8"	15,2	16,6		
R 1/2"	19,1	20,9		
R 5/8"	20,9	22,8		
R 3/4"	24,6	26,4		
R 1"	30,8	33,2		
R 1 1/4"	39,5	41,8		
R 1 1/2"	54,4	47,7		
UNF-JIC		S. 94-119		
7/16"-20	10,0	11,1		
1/2"-20	11,6	12,7		
9/16"-18	13,0	14,3		
3/4"-16	17,6	19,1		
7/8"-14	20,5	22,2		
1 1/16"-12	25,0	27,0		
1 3/16"-12	28,0	30,0		
1 5/16"-12	31,3	33,3		
1 5/8"-12	39,2	41,2		
1 7/8"-12	45,9	47,6		
2 1/2"-12	61,5	63,5		
ORFS		S. 120-156	O-Ring	
9/16"-18	14,3	13,0	7,66x1,78	
11/16"-16	17,5	15,9	9,25x1,78	
13/16"-16	20,7	19,1	12,42x1,78	
1"-14	25,5	23,7	15,60x1,78	
1 3/16"-12	30,2	28,8	18,77x1,78	
1 7/16"-12	36,6	34,5	23,52x1,78	
1 11/16"-12	42,9	41,0	29,80x1,78	
2"-12	50,9	48,8	37,82x1,78	



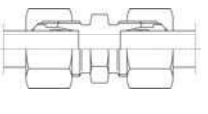
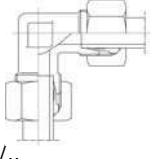
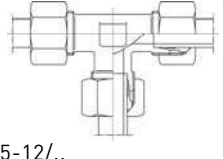
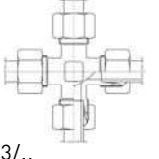
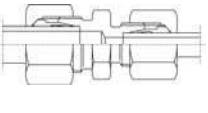
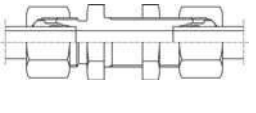
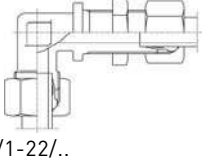
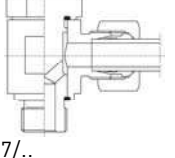
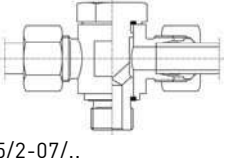
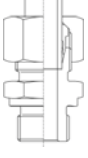
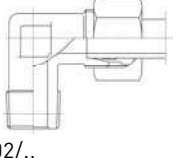
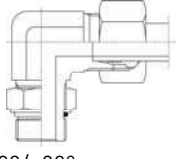
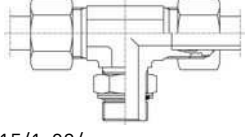
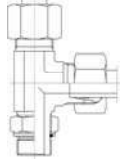
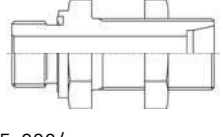
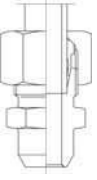
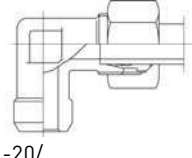
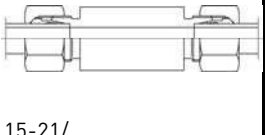
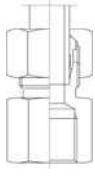
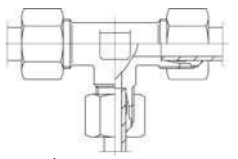
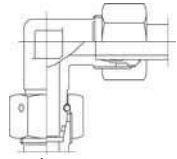
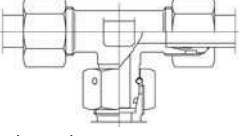
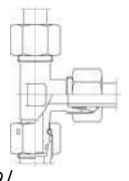
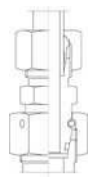
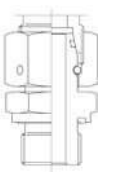








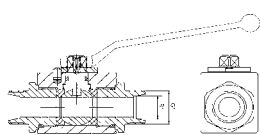
Metrisch / metric

			
15-10/.. G.. Seite/page 1	15-11/.. W.. Seite/page 2	15-12/.. T.. Seite/page 3	15-13/.. K.. Seite/page 4
			
15-14/.. GR.. Seite/page 5	15-22/.. SV.. Seite/page 6	15/1-22/.. WSV.. Seite/page 7	15-07/.. WH.. Seite/page 8-9
			
15/2-07/.. WH-T.. Seite/page 10-11	15-01/.. GE.. Seite/page 12-20	15-02/.. WE.. Seite/page 21-23	15/1-02/..45° VEE.. Seite/page 24-26
			
15/1-02/..90° WEE.. Seite/page 27-29	15/1-03/.. TEE.. Seite/page 30-32	15/1-04/.. LEE.. Seite/page 33-35	15-220/.. Seite/page 36
			
15-20/.. AS.. Seite/page 37	15/1-20/.. WAS.. Seite/page 38	15-21/.. ESV.. Seite/page 39	15-24/.. GAL.. Seite/page 40-41
			
15-16/.. TR.. Seite/page 42-43	14/1-29/..45° EV.. Seite/page 27-29	14/1-29/..90° EW.. Seite/page 45	14/2-29/.. ET.. Seite/page 46
			
14/3-29/.. EL.. Seite/page 47	14-29/.. RED.. Seite/page 48-49	14-28/.. EGE.. Seite/page 50-51	15-23/.. MAV.. Seite/page 52

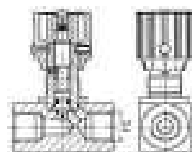
Metrisch / metric



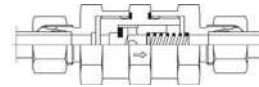
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MAVE Seite/page 52



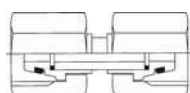
BKH.. DKH..
Seite/page 53



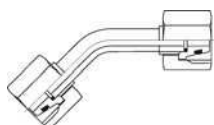
DV..
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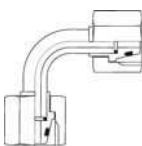
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RHD Seite/page 56



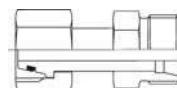
SV..
DMO.. Seite/page 57-59



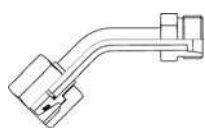
WSV.. 45°
DMO 45 Seite/page 60



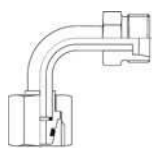
WSV.. 90°
DMO 90 Seite/page 61



SVA..
Seite/page 62-64



WSVA.. 45°
Seite/page 65



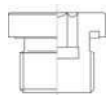
WSVA.. 90°
Seite/page 66



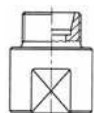
M
KM D Seite/page 67



15-360/. 15-370/..
ROV-VKA Seite/page 68



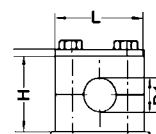
15-34/..
VSTI Seite/page 69



VOMO
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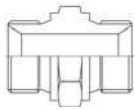


SRO..
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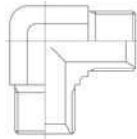


LA..
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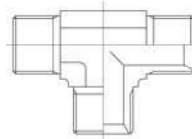
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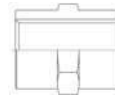
DST..
Seite/page 77-79



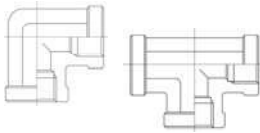
15-11/.. G
Seite/page 80



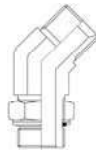
15-12/.. G
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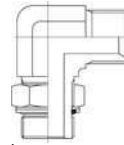
MF..
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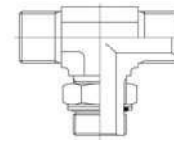
WMF.. TMF..
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15/1-02/G.. 45°
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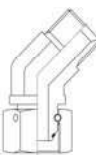
15/1-02/G.. 90°
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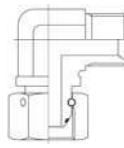
15/1-03/G..
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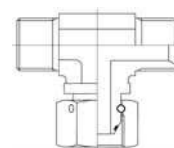
15/1-04/G..
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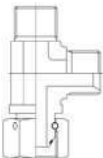
14/1-29/G.. 45°
Seite/page 87



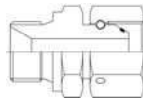
14/1-29/G.. 90°
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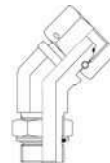
14/2-29/G..
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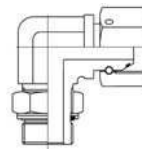
14/3-29/G..
Seite/page 88



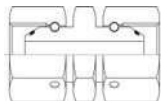
14-28/G..
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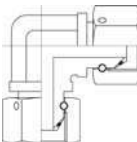
14/1-30/G.. 45°
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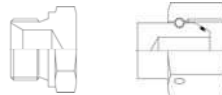
14/1-30/G.. 90°
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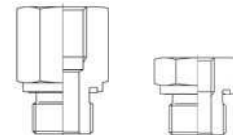
SVR..
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WSVR..
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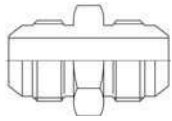


15-360/G..
15-37/G..
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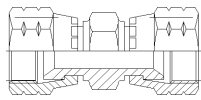


17-122/.. 17-123/..
RI
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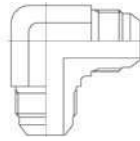
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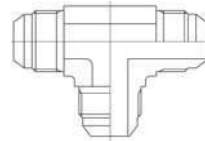
15-10/J..
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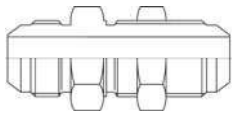
SVJ..
Seite/page 94



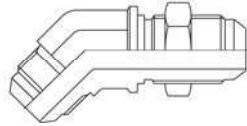
15-11/J..
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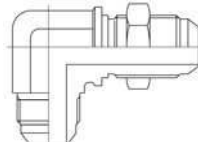
15-12/J..
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15-22/J..
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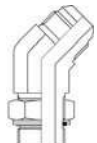
15/1-22/J.. 45°
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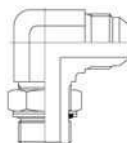
15/1-22/J.. 90°
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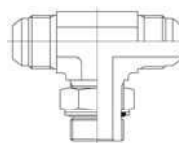
15-01/J..
Seite/page 98-100



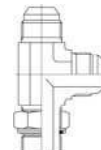
15/1-02/J.. 45°
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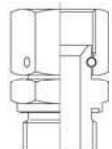
15/1-02/J.. 90°
Seite/page 104-106



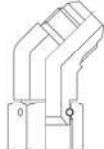
15/1-03/J..
Seite/page 107-109



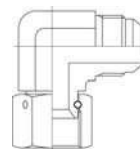
15/1-04/J..
Seite/page 110-112



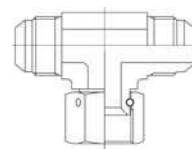
15-28/J..
Seite/page 113-115



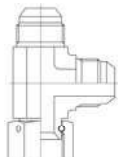
15/1-29/J.. 45°
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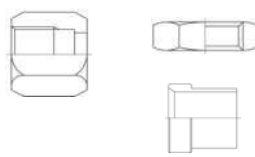
15/1-29/J.. 90°
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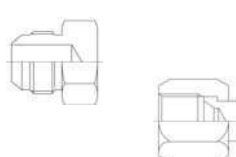
15/2-29/J..
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15/3-29/J..
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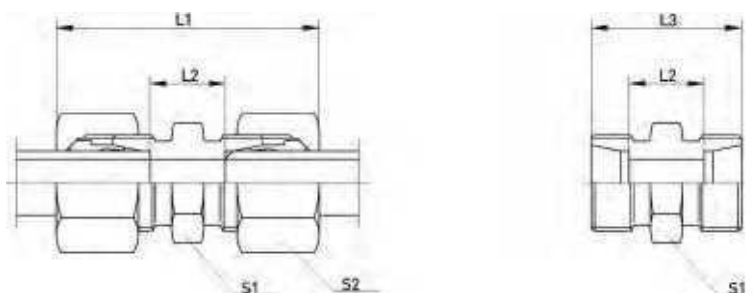
15-30/J. STH
15-32/J..
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15-360/J..
15-37/J..
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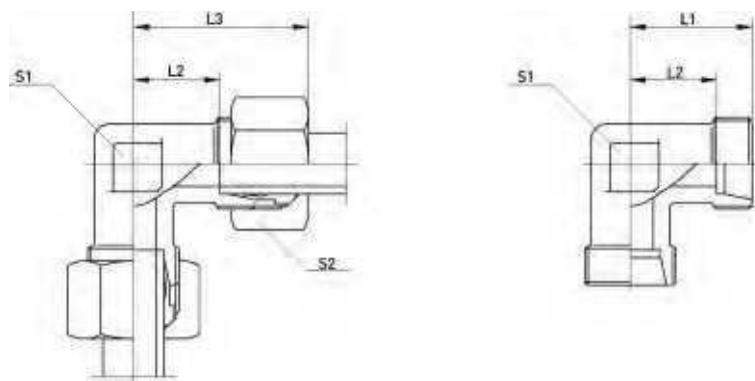
ORFS

15-10/O.. Seite/page 120	SV0.. Seite/page 120	15-11/O.. 45° Seite/page 121	15-11/O.. 90° Seite/page 121
15-12/O.. Seite/page 122	15-22/O.. Seite/page 123	15/1-22/O.. 45° Seite/page 124	15/1-22/O.. 90° Seite/page 124
15-01/O.. Seite/page 125-127	DST/O.. J.. 15-27/J.. O.. Seite/page 128	DST/O.. CE..14-27/DIN O.. Seite/page 129-130	15-28/O.. Seite/page 131-133
15-27/O.. J.. Seite/page 134	15/1-02/O.. 45° Seite/page 135-137	15/1-02/O.. 90° Seite/page 138-140	15/1-03/O.. Seite/page 141-143
15/1-04/O.. Seite/page 144-146	15/1-29/O.. 45° Seite/page 147	15/1-29/O.. 90° Seite/page 147	15/2-29/O.. Seite/page 148
15/3-29/O.. Seite/page 148	15/1-30/O.. Seite/page 149	15-29/O.. Seite/page 150	15-24/O.. Seite/page 151
15-23/O.. Seite/page 152	15-30/O.. 15-32/O.. STHO.. Seite/page 153-155	15-360/O.. 15-37/O.. Seite/page 156	



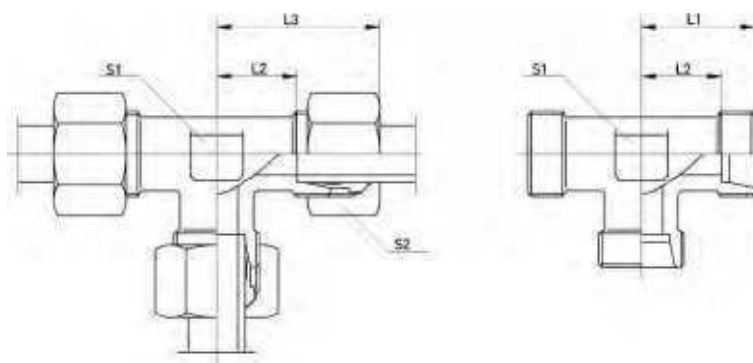
G Verschraubung Typ 15-10/... / Straight coupling type 15-10/...									
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	L1	L2	L3	S1	S2	Bar
436.001	436.101	15-10/LL 04	4	20	12	31	12	10	100
436.002	436.102	15-10/LL 05	5	20	9	32	11	12	100
436.003	436.103	15-10/LL 06	6	20	9	32	12	12	100
436.004	436.104	15-10/LL 08	8	23	12	35	12	14	100
436.010	436.110	15-10/L 06	6	24	10	39	12	14	250
436.011	436.111	15-10/L 08	8	25	11	40	14	17	250
436.012	436.112	15-10/L 10	10	27	13	42	17	19	250
436.013	436.113	15-10/L 12	12	28	14	43	19	22	250
436.014	436.114	15-10/L 15	15	30	16	46	24	27	250
436.015	436.115	15-10/L 18	18	31	16	48	27	32	160
436.016	436.116	15-10/L 22	22	35	20	52	32	36	160
436.017	436.117	15-10/L 28	28	36	21	54	41	41	100
436.018	436.118	15-10/L 35	35	41	20	63	46	50	100
436.019	436.119	15-10/L 42	42	43	21	66	55	60	100
436.020	436.120	15-10/S 06	6	30	16	45	14	17	630
436.021	436.121	15-10/S 08	8	32	18	47	17	19	630
436.022	436.122	15-10/S 10	10	32	17	49	19	22	630
436.023	436.123	15-10/S 12	12	34	19	51	22	24	630
436.024	436.124	15-10/S 14	14	38	22	57	24	27	630
436.025	436.125	15-10/S 16	16	38	21	57	27	30	400
436.026	436.126	15-10/S 20	20	44	23	66	32	36	400
436.027	436.127	15-10/S 25	25	50	26	74	41	46	400
436.028	436.128	15-10/S 30	30	54	27	80	46	50	250
436.029	436.129	15-10/S 38	38	61	29	90	55	60	250

Technische Änderungen vorbehalten.
Measurements may differ.



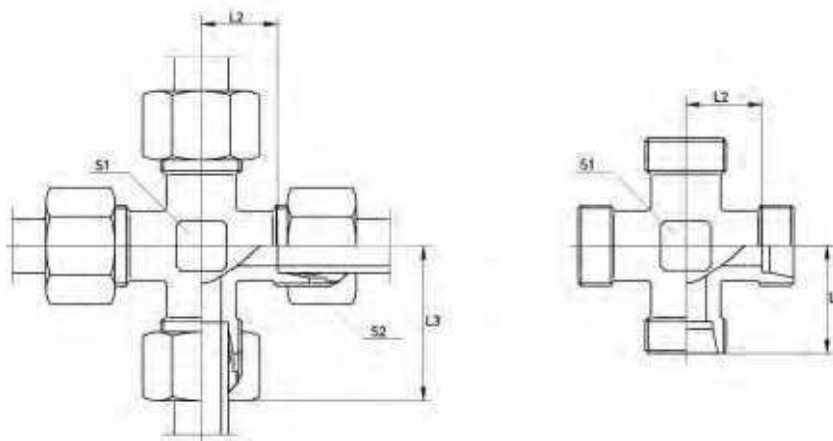
W Verschraubung Typ 15-11/... / Elbow coupling type 15-11/...									
Art.Nr. Komplet	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	L1	L2	L3	S1	S2	Bar
436.201	436.301	15-11/LL 04	4	15	11,0	21	9	10	100
436.202	436.302	15-11/LL 05	5	15	9,5	21	11	12	100
436.203	436.303	15-11/LL 06	6	15	9,5	21	9	12	100
436.204	436.304	15-11/LL 08	8	17	11,5	23	12	14	100
436.210	436.310	15-11/L 06	6	19	12,0	27	12	14	250
436.211	436.311	15-11/L 08	8	21	14,0	29	12	17	250
436.212	436.312	15-11/L 10	10	22	15,0	30	14	19	250
436.213	436.313	15-11/L 12	12	24	17,0	32	17	22	250
436.214	436.314	15-11/L 15	15	28	21,0	36	19	27	250
436.215	436.315	15-11/L 18	18	31	23,5	40	24	32	160
436.216	436.316	15-11/L 22	22	35	27,5	44	27	36	160
436.217	436.317	15-11/L 28	28	38	30,5	47	36	41	100
436.218	436.318	15-11/L 35	35	45	34,5	56	41	50	100
436.219	436.319	15-11/L 42	42	51	40,0	63	50	60	100
436.220	436.320	15-11/S 06	6	23	16,0	31	12	17	630
436.221	436.321	15-11/S 08	8	24	17,0	32	14	19	630
436.222	436.322	15-11/S 10	10	25	17,5	34	17	22	630
436.223	436.323	15-11/S 12	12	29	21,5	38	17	24	630
436.224	436.324	15-11/S 14	14	30	22,0	40	19	27	630
436.225	436.325	15-11/S 16	16	33	24,5	43	24	30	400
436.226	436.326	15-11/S 20	20	37	26,5	48	27	36	400
436.227	436.327	15-11/S 25	25	42	30,0	54	36	46	400
436.228	436.328	15-11/S 30	30	49	35,5	62	41	50	250
436.229	436.329	15-11/S 38	38	57	41,0	72	50	60	250

Technische Änderungen vorbehalten.
Measurements may differ.



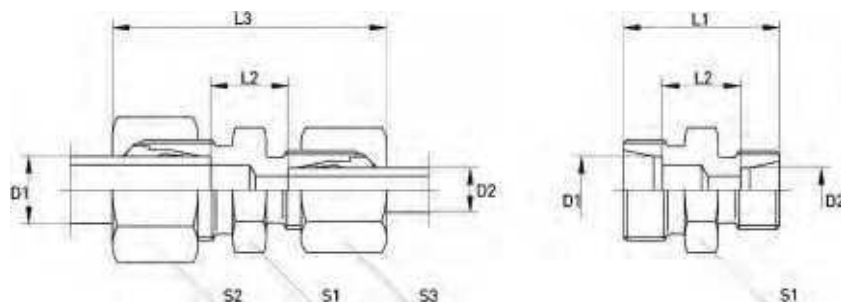
T Verschraubung Typ 15-12/... / Tee coupling type 15-12/...									
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	L1	L2	L3	S1	S2	Bar
436.401	436.501	15-12/LL 04	4	15	11,0	21	9	10	100
436.402	436.502	15-12/LL 05	5	15	9,5	21	9	12	100
436.403	436.503	15-12/LL 06	6	15	9,5	21	9	12	100
436.404	436.504	15-12/LL 08	8	17	11,5	23	12	14	100
436.410	436.510	15-12/L 06	6	19	12,0	27	12	14	250
436.411	436.511	15-12/L 08	8	21	14,0	29	12	17	250
436.412	436.512	15-12/L 10	10	22	15,0	30	14	19	250
436.413	436.513	15-12/L 12	12	24	17,0	32	17	22	250
436.414	436.514	15-12/L 15	15	28	21,0	36	19	27	250
436.415	436.515	15-12/L 18	18	31	23,5	40	24	32	160
436.416	436.516	15-12/L 22	22	35	27,5	44	27	36	160
436.417	436.517	15-12/L 28	28	38	30,5	47	36	41	100
436.418	436.518	15-12/L 35	35	45	34,5	56	41	50	100
436.419	436.519	15-12/L 42	42	51	40,0	63	50	60	100
436.420	436.520	15-12/S 06	6	23	16,0	31	12	17	630
436.421	436.521	15-12/S 08	8	24	17,0	32	14	19	630
436.422	436.522	15-12/S 10	10	25	17,5	34	17	22	630
436.423	436.523	15-12/S 12	12	29	21,5	38	17	24	630
436.424	436.524	15-12/S 14	14	30	22,0	40	19	27	630
436.425	436.525	15-12/S 16	16	33	24,5	43	24	30	400
436.426	436.526	15-12/S 20	20	37	26,5	48	27	36	400
436.427	436.527	15-12/S 25	25	42	30,0	54	36	46	400
436.428	436.528	15-12/S 30	30	49	35,5	62	41	50	250
436.429	436.529	15-12/S 38	38	57	41,0	72	50	60	250

Technische Änderungen vorbehalten.
Measurements may differ.

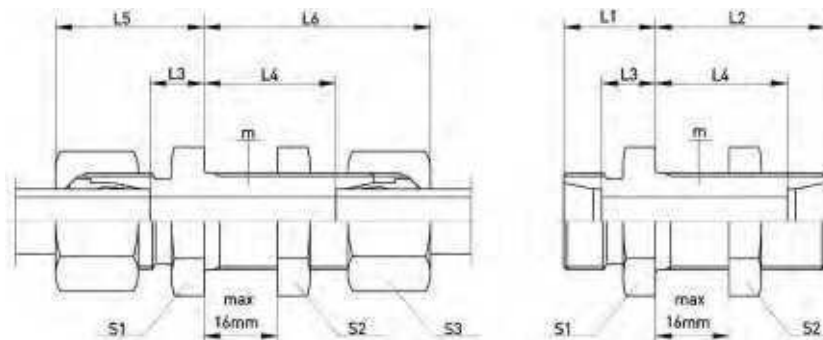


K Verschraubung Typ 15-13/... / Cross coupling type 15-13/...									
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	L1	L2	L3	S1	S2	Bar
436.601		15-13/LL 04	4	15	11,0	21	9	10	100
436.602		15-13/LL 05	5	15	9,5	21	9	12	100
436.603		15-13/LL 06	6	15	9,5	21	9	12	100
436.604		15-13/LL 08	8	17	11,5	23	12	14	100
436.610	436.710	15-13/L 06	6	19	12,0	27	12	14	315
436.611	436.711	15-13/L 08	8	21	14,0	29	12	17	315
436.612	436.712	15-13/L 10	10	22	15,0	30	14	19	315
436.613	436.713	15-13/L 12	12	24	17,0	32	17	22	315
436.614	436.714	15-13/L 15	15	28	21,0	36	19	27	315
436.615	436.715	15-13/L 18	18	31	23,5	40	24	32	315
436.616	436.716	15-13/L 22	22	35	27,5	44	27	36	160
436.617	436.717	15-13/L 28	28	38	30,5	47	36	41	160
436.618	436.718	15-13/L 35	35	45	34,5	56	41	50	160
436.619	436.719	15-13/L 42	42	51	40,0	63	50	60	160
436.620	436.720	15-13/S 06	6	23	16,0	31	12	17	630
436.621	436.721	15-13/S 08	8	24	17,0	32	14	19	630
436.622	436.722	15-13/S 10	10	25	17,5	34	17	22	630
436.623	436.723	15-13/S 12	12	29	21,5	38	17	24	630
436.624	436.724	15-13/S 14	14	30	22,0	40	19	27	630
436.625	436.725	15-13/S 16	16	33	24,5	43	24	30	400
436.626	436.726	15-13/S 20	20	37	26,5	48	27	36	400
436.627	436.727	15-13/S 25	25	42	30,0	54	36	46	400
436.628	436.728	15-13/S 30	30	49	35,5	62	41	50	400
436.629	436.729	15-13/S 38	38	57	41,0	72	50	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



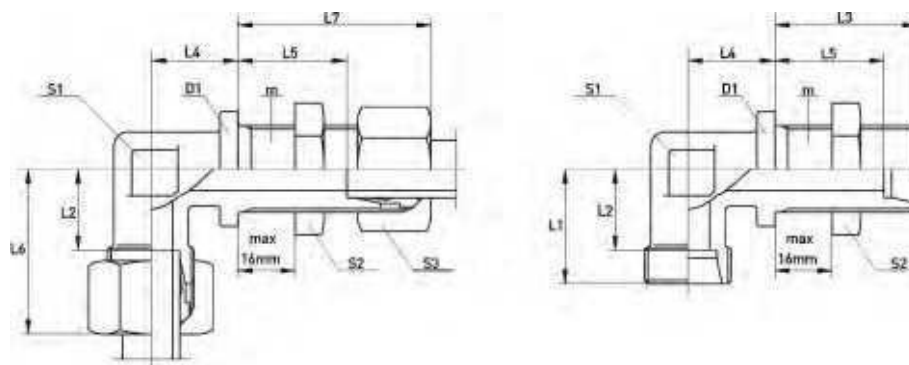
GR Reduzierschraubung Typ 15-14/... / Straight reducing coupling type 15-14/...											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr D1 Tube D1	Rohr D2 Tube D2	L1	L2	L3	S1	S2	S3	Bar
437.006	437.106	15-14/LL 06-04	6	4	20	10,5	31,5	11	12	10	100
437.005	437.105	15-14/LL 08-04	8	4	22	12,5	33,5	12	14	10	100
437.007	437.107	15-14/LL 08-06	8	6	22	11,0	34,0	12	14	12	100
437.010	437.110	15-14/L 08-06	8	6	25	11,0	40,5	14	17	14	250
437.011	437.111	15-14/L 10-06	10	6	26	12,0	41,5	17	19	14	250
437.012	437.112	15-14/L 10-08	10	8	26	12,0	42,0	17	19	17	250
437.013	437.113	15-14/L 12-06	12	6	27	13,0	42,0	19	22	14	250
437.014	437.114	15-14/L 12-08	12	8	27	13,0	42,5	19	22	17	250
437.015	437.115	15-14/L 12-10	12	10	28	14,0	43,5	19	22	19	250
437.016	437.116	15-14/L 15-06	15	6	28	14,0	43,5	24	27	14	250
437.017	437.117	15-14/L 15-08	15	8	28	14,0	43,5	24	27	17	250
437.018	437.118	15-14/L 15-10	15	10	29	15,0	45,0	24	27	19	250
437.019	437.119	15-14/L 15-12	15	12	29	15,0	44,5	24	27	22	250
437.021	437.121	15-14/L 18-08	18	8	29	14,5	45,0	27	32	17	160
437.022	437.122	15-14/L 18-10	18	10	30	15,5	47,0	27	32	19	160
437.023	437.123	15-14/L 18-12	18	12	30	15,5	46,5	27	32	32	160
437.024	437.124	15-14/L 18-15	18	15	31	16,5	48,0	27	32	27	160
437.028	437.128	15-14/L 22-12	22	12	32	17,5	48,5	32	36	22	160
437.029	437.129	15-14/L 22-15	22	15	33	18,5	50,0	32	36	27	160
437.030	437.130	15-14/L 22-18	22	18	33	18,0	51,0	32	36	32	160
437.033	437.133	15-14/L 28-10	28	10	33	18,5	49,5	41	41	19	100
437.035	437.135	15-14/L 28-15	28	15	33	19,5	51,0	41	41	27	100
437.036	437.136	15-14/L 28-18	28	18	34	19,0	52,0	41	41	32	100
437.037	437.137	15-14/L 28-22	28	22	36	21,0	54,0	41	41	36	100
437.044	437.144	15-14/L 35-22	35	22	39	21,0	59,0	46	50	36	100
437.045	437.145	15-14/L 35-28	35	28	39	21,0	59,0	46	50	41	100
437.210	437.310	15-14/S 08-06	8	6	32	18,0	48,0	17	19	17	630
437.211	437.311	15-14/S 10-06	10	6	32	17,5	48,5	19	22	17	630
437.212	437.312	15-14/S 10-08	10	8	32	17,5	48,5	19	22	19	630
437.213	437.313	15-14/S 12-06	12	6	34	19,5	50,5	22	24	17	630
437.214	437.314	15-14/S 12-08	12	8	34	19,5	50,5	22	24	19	630
437.215	437.315	15-14/S 12-10	12	10	34	19,0	51,0	22	24	22	630
437.218	437.318	15-14/S 14-10	14	10	36	20,5	54,5	24	27	22	630
437.219	437.319	15-14/S 14-12	14	12	36	20,5	54,5	24	27	24	630
437.222	437.322	15-14/S 16-10	16	10	36	20,0	54,0	27	30	22	400
437.223	437.323	15-14/S 16-12	16	12	36	20,0	54,5	27	30	24	400
437.224	437.324	15-14/S 16-14	16	14	38	21,5	58,0	27	30	27	400
437.227	437.327	15-14/S 20-10	20	10	40	22,0	59,5	32	36	22	400
437.228	437.328	15-14/S 20-12	20	12	40	22,0	59,5	32	36	24	400
437.229	437.329	15-14/S 20-14	20	14	42	23,5	62,5	32	36	27	400
437.230	437.330	15-14/S 20-16	20	16	42	23,0	63,0	32	36	30	400
437.236	437.336	15-14/S 25-16	25	16	46	25,5	68,0	41	46	30	400
437.237	437.337	15-14/S 25-20	25	20	48	25,5	71,0	41	46	36	400
437.244	437.344	15-14/S 30-20	30	20	50	26,0	74,0	46	50	36	250
437.245	437.345	15-14/S 30-25	30	25	52	26,5	77,0	46	50	46	250
437.254	437.354	15-14/S 38-30	38	30	59	29,5	87,0	55	60	50	250



SV Schottverschraubung Typ 15-22/... / Straight bulkhead coupling type 15-22/...

Art.Nr. Komplet	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	L3	L4	L5	L6	S1	S2	S3	Bar
447.010	447.110	15-22/L 06	6	12x1,5	14	34	7,0	27,0	22	42	17	17	14	315
447.011	447.111	15-22/L 08	8	14x1,5	15	34	8,0	27,0	23	42	19	19	17	315
447.012	447.112	15-22/L 10	10	16x1,5	17	35	10,0	28,0	25	43	22	22	19	315
447.013	447.113	15-22/L 12	12	18x1,5	17	36	10,0	29,0	25	44	24	24	22	315
447.014	447.114	15-22/L 15	15	22x1,5	19	38	12,0	31,0	27	46	27	30	27	315
447.015	447.115	15-22/L 18	18	26x1,5	21	40	13,5	32,5	30	49	32	36	32	315
447.016	447.116	15-22/L 22	22	30x2,0	24	42	16,5	34,5	33	51	36	41	36	160
447.017	447.117	15-22/L 28	28	36x2,0	26	43	18,5	35,5	35	52	41	46	41	160
447.018	447.118	15-22/L 35	35	45x2,0	29	47	18,5	36,5	40	58	50	55	50	160
447.019	447.119	15-22/L 42	42	52x2,0	30	47	19,0	36,0	42	59	60	65	60	160
447.020	447.120	15-22/S 06	6	14x1,5	19	36	12,0	29,0	27	44	19	19	17	630
447.021	447.121	15-22/S 08	8	16x1,5	20	36	13,0	29,0	28	44	22	22	19	630
447.022	447.122	15-22/S 10	10	18x1,5	22	37	14,5	29,5	31	46	24	24	22	630
447.023	447.123	15-22/S 12	12	20x1,5	22	38	14,5	30,5	31	47	27	27	24	630
447.024	447.124	15-22/S 14	14	22x1,5	25	40	17,0	32,0	35	50	30	30	27	630
447.025	447.125	15-22/S 16	16	24x1,5	25	40	16,5	31,5	35	50	32	32	30	400
447.026	447.126	15-22/S 20	20	30x2,0	28	44	17,5	33,5	39	55	41	41	36	400
447.027	447.127	15-22/S 25	25	36x2,0	32	47	20,0	35,0	44	59	46	46	46	400
447.028	447.128	15-22/S 30	30	42x2,0	35	51	21,5	37,5	48	64	50	50	50	400
447.029	447.129	15-22/S 38	38	52x2,0	38	53	22,0	37,0	53	68	65	65	60	315

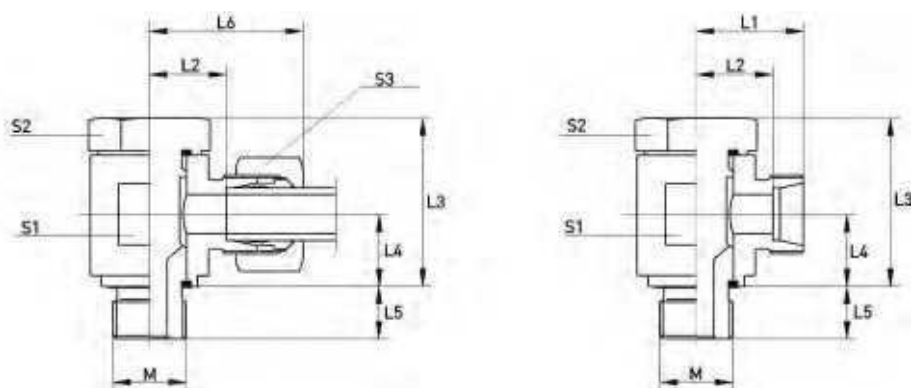
Technische Änderungen vorbehalten.
Measurements may differ.



WSV Schottverschraubung Typ 15/1-22/... / Elbow bulkhead couplers type 15/1-22/...

Art.Nr. Komplet	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	L3	L4	L6	L7	D1	S1	S2	S3	Bar
447.210	447.310	15/1-22/L 06	6	12x1,5	19	12,0	34	14	19	42	17	12	17	14	315
447.211	447.311	15/1-22/L 08	8	14x1,5	21	14,0	34	17	21	42	19	12	19	17	315
447.212	447.312	15/1-22/L 10	10	16x1,5	22	15,0	35	18	22	43	22	14	22	19	315
447.213	447.313	15/1-22/L 12	12	18x1,5	24	17,0	36	20	24	44	24	17	24	22	315
447.214	447.314	15/1-22/L 15	15	22x1,5	28	21,0	38	23	28	46	27	19	30	27	315
447.215	447.315	15/1-22/L 18	18	26x1,5	31	23,5	40	24	31	49	32	24	36	32	315
447.216	447.316	15/1-22/L 22	22	30x2,0	35	27,5	42	30	35	51	36	27	41	36	160
447.217	447.317	15/1-22/L 28	28	36x2,0	38	30,5	43	34	38	52	42	36	46	41	160
447.218	447.318	15/1-22/L 35	35	45x2,0	45	34,5	47	39	45	58	50	41	55	50	160
447.219	447.319	15/1-22/L 42	42	52x2,0	51	40,0	47	43	51	59	60	50	65	60	160
447.220	447.320	15/1-22/S 06	6	14x1,5	23	16,0	36	17	23	44	19	12	19	17	630
447.221	447.321	15/1-22/S 08	8	16x1,5	24	17,0	36	18	24	44	22	14	22	19	630
447.222	447.322	15/1-22/S 10	10	18x1,5	25	17,5	37	20	25	46	24	17	24	22	630
447.223	447.323	15/1-22/S 12	12	20x1,5	29	21,5	38	21	29	47	27	17	27	24	630
447.224	447.324	15/1-22/S 14	14	22x1,5	30	22,0	40	23	30	50	27	19	30	27	630
447.225	447.325	15/1-22/S 16	16	24x1,5	33	24,5	40	24	33	50	30	24	32	30	400
447.226	447.326	15/1-22/S 20	20	30x2,0	37	26,5	44	30	37	55	36	27	41	36	400
447.227	447.327	15/1-22/S 25	25	36x2,0	42	30,0	47	34	42	59	42	36	46	46	400
447.228	447.328	15/1-22/S 30	30	42x2,0	49	33,5	51	39	49	64	50	41	50	50	400
447.229	447.329	15/1-22/S 38	38	52x2,0	57	41,0	53	43	57	68	60	50	65	60	315

Technische Änderungen vorbehalten.
Measurements may differ.

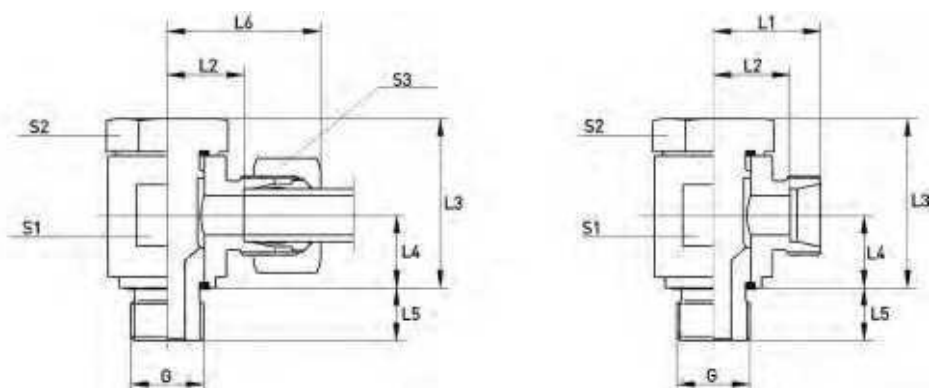


SWVE-M Schwenkverschraubung Typ 15-07/.. M.. / Banjo Elbows type 15-07/.. M..

Metrisches Einschraubgewinde, zylindrisch / thread metric, cylindric

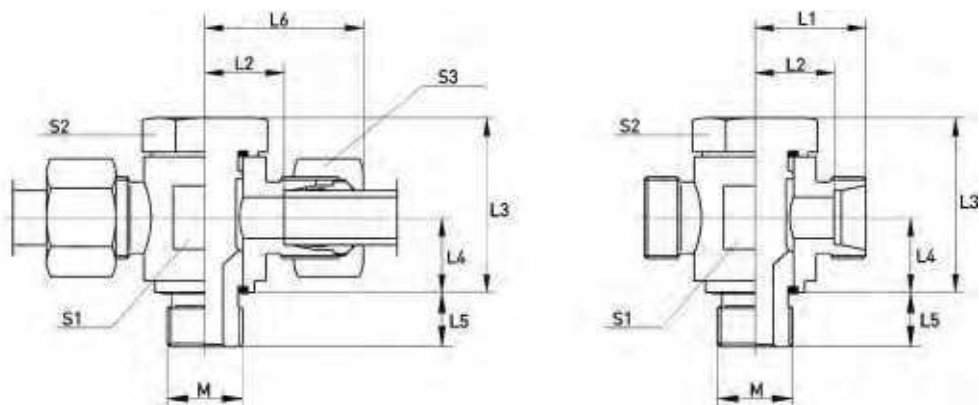
Art.Nr. Art.N°	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	L5	L6	S1	S2	S3	Bar
432.001	15-07/LL 04 M	4	8x1,0	18,0	14,0	18,5	10,5	8	24,0	17	14	10	100
432.002	15-07/LL 05 M	5	8x1,0	17,0	11,0	20,0	10,0	6	22,0	14	14	12	100
432.003	15-07/LL 06 M	6	10x1,0	18,0	12,5	18,5	10,5	8	24,0	17	17	12	100
432.004	15-07/LL 08 M	8	10x1,0	19,0	13,5	18,5	10,5	8	25,0	17	17	14	100
432.010	15-07/L 06 M	6	10x1,0	19,0	12,0	18,5	10,5	8	27,0	17	17	14	315
432.011	15-07/L 08 M	8	12x1,5	21,5	14,5	25,0	14,0	12	29,5	22	19	17	315
432.012	15-07/L 10 M	10	14x1,5	22,5	15,5	25,0	14,0	12	30,5	22	19	19	315
432.013	15-07/L 12 M	12	16x1,5	25,0	18,0	30,0	16,5	12	33,0	27	24	22	315
432.014	15-07/L 15 M	15	18x1,5	29,0	22,0	33,5	18,5	12	37,0	32	27	27	315
432.015	15-07/L 18 M	18	22x1,5	29,0	21,5	37,5	21,5	14	38,0	32	30	32	315
432.016	15-07/L 22 M	22	26x1,5	34,0	26,5	44,0	24,0	16	43,0	41	36	36	160
432.017	15-07/L 28 M	28	33x2,0	38,5	31,0	55,5	30,5	18	47,5	50	46	41	160
432.018	15-07/L 35 M	35	42x2,0	45,5	35,0	65,5	35,5	20	56,5	60	55	50	160
432.019	15-07/L 42 M	42	48x2,0	50,5	39,5	75,5	40,5	22	62,5	70	60	60	160
432.020	15-07/S 06 M	6	12x1,5	23,5	16,5	25,0	14,0	12	31,5	22	19	17	630
432.021	15-07/S 08 M	8	14x1,5	23,5	16,5	25,0	14,0	12	31,5	22	19	19	630
432.022	15-07/S 10 M	10	16x1,5	26,0	18,5	30,0	16,5	12	35,0	27	24	22	630
432.023	15-07/S 12 M	12	18x1,5	29,0	21,5	33,5	18,5	12	38,0	32	24	24	630
432.024	15-07/S 14 M	14	20x1,5	31,0	23,0	36,0	20,0	14	41,0	32	30	27	630
432.025	15-07/S 16 M	16	22x1,5	31,0	22,5	37,5	21,5	14	41,0	32	30	30	400
432.026	15-07/S 20 M	20	27x2,0	36,0	25,5	44,0	24,0	16	47,0	41	36	36	400
432.027	15-07/S 25 M	25	33x2,0	42,5	31,5	55,5	30,5	18	54,5	50	46	46	400
432.028	15-07/S 30 M	30	42x2,0	49,5	36,0	65,5	35,5	20	62,5	60	55	50	400
432.029	15-07/S 38 M	38	48x2,0	56,5	40,5	75,5	40,5	22	71,5	70	60	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



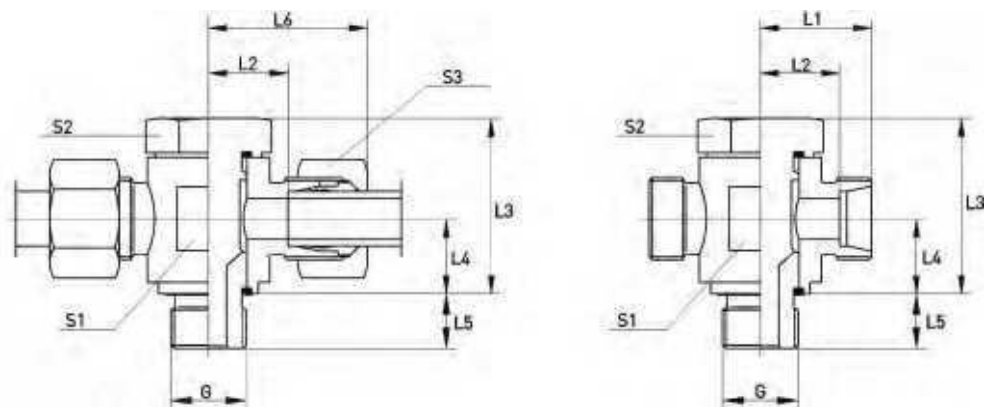
SWVE-R Schwenkverschraubung Typ 15-07/.. R.. / Banjo elbows type 15-07/.. G..													
Zölliges Einschraubgewinde, zylindrisch / BSP thread, cylindric													
Art.Nr. Art.N°	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	L5	L6	S1	S2	S3	Bar
433.001	15-07/LL 04 R	4	1/8"	18,0	14,0	18,5	10,5	8	24,0	17	17	10	100
433.002	15-07/LL 05 R	5	1/8"	17,0	11,0	20,0	10,0	6	22,0	14	14	12	100
433.003	15-07/LL 06 R	6	1/8"	18,0	12,5	18,5	10,5	8	24,0	17	17	12	100
433.004	15-07/LL 08 R	8	1/8"	19,0	13,5	18,5	10,5	8	25,0	17	17	14	100
433.010	15-07/L 06 R	6	1/8"	19,0	12,0	18,5	10,5	8	27,0	17	17	14	315
433.011	15-07/L 08 R	8	1/4"	21,5	14,5	25,0	14,0	12	29,5	22	19	17	315
433.012	15-07/L 10 R	10	1/4"	22,5	15,5	25,0	14,0	12	30,5	22	19	19	315
433.013	15-07/L 12 R	12	3/8"	25,0	18,0	30,0	16,5	12	33,0	27	24	22	315
433.014	15-07/L 15 R	15	1/2"	29,0	22,0	37,5	21,5	14	37,0	32	30	27	315
433.015	15-07/L 18 R	18	1/2"	29,0	21,5	37,5	21,5	14	38,0	32	30	32	315
433.016	15-07/L 22 R	22	3/4"	34,0	26,5	44,0	24,0	16	43,0	41	36	36	160
433.017	15-07/L 28 R	28	1"	38,5	31,0	55,5	30,5	18	47,5	50	46	41	160
433.018	15-07/L 35 R	35	1 1/4"	45,5	35,0	65,5	35,5	20	56,5	60	55	50	160
433.019	15-07/L 42 R	42	1 1/2"	50,5	39,5	75,5	40,5	22	62,5	70	60	60	160
433.020	15-07/S 06 R	6	1/4"	23,5	16,5	25,0	14,0	12	31,5	22	19	17	630
433.021	15-07/S 08 R	8	1/4"	23,5	16,5	25,0	14,0	12	31,5	22	19	19	630
433.022	15-07/S 10 R	10	3/8"	26,0	18,5	30,0	16,5	12	35,0	27	24	22	630
433.023	15-07/S 12 R	12	3/8"	26,0	18,5	30,0	16,5	12	35,0	27	24	24	630
433.024	15-07/S 14 R	14	1/2"	31,0	23,0	37,5	21,5	14	41,0	32	30	27	630
433.025	15-07/S 16 R	16	1/2"	31,0	22,5	37,5	21,5	14	41,0	32	30	30	400
433.026	15-07/S 20 R	20	3/4"	36,0	25,5	44,0	24,0	16	47,0	41	36	36	400
433.027	15-07/S 25 R	25	1"	42,5	31,5	55,5	30,5	18	54,5	50	46	46	400
433.028	15-07/S 30 R	30	1 1/4"	49,5	36,0	65,5	35,5	20	62,5	60	55	60	400
433.029	15-07/S 38 R	38	1 1/2"	56,5	40,5	75,5	40,5	22	71,5	70	60	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



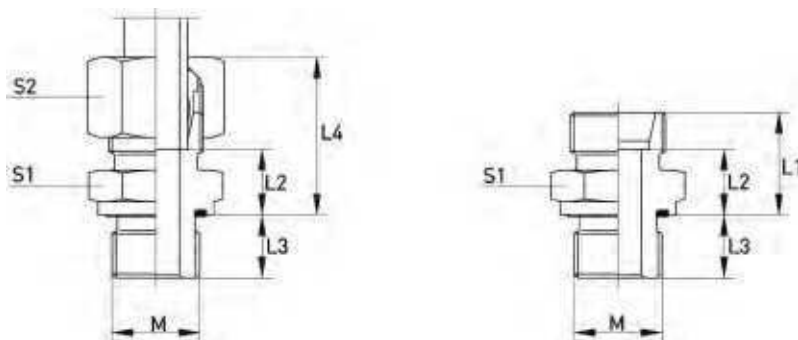
TH-M Schwenkverschraubung Typ 15/2-07/.. M.. / Banjo Elbows type 15/2-07/.. M..													
Metrisches Einschraubgewinde, zylindrisch / metric thread, cylindric													
Art.Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	L5	L6	S1	S2	S3	Bar
488.410	15/2-07/L06 M	6	10x1,0	19,0	12,0	18,5	10,5	8	26,0	17	17	14	315
488.411	15/2-07/L08 M	8	12x1,5	21,5	14,5	25,0	14,0	12	29,5	22	19	17	315
488.412	15/2-07/L10 M	10	14x1,5	22,5	15,5	25,0	14,0	12	30,5	22	19	19	315
488.413	15/2-07/L12 M	12	16x1,5	25,0	18,0	30,0	16,5	12	33,0	27	24	22	315
488.414	15/2-07/L15 M	15	18x1,5	29,0	22,0	33,5	18,5	12	37,0	32	27	27	315
488.415	15/2-07/L18 M	18	22x1,5	29,0	21,5	37,5	21,5	14	38,0	32	30	32	315
488.416	15/2-07/L22 M	22	26x1,5	34,0	26,5	44,0	24,0	16	43,0	41	36	36	160
488.417	15/2-07/L28 M	28	33x2,0	38,5	31,0	55,5	30,5	18	47,5	50	46	41	160
488.418	15/2-07/L35 M	35	42x2,0	45,5	35,0	65,5	35,5	20	56,5	60	55	50	160
488.419	15/2-07/L42 M	42	48x2,0	50,5	39,5	75,5	40,5	22	62,5	70	60	60	160
488.420	15/2-07/S06 M	6	12x1,5	23,5	16,5	25,0	14,0	12	31,5	22	19	17	630
488.421	15/2-07/S08 M	8	14x1,5	23,5	16,5	25,0	14,0	12	31,5	22	19	19	630
488.422	15/2-07/S10 M	10	16x1,5	26,0	18,5	30,0	16,5	12	35,0	27	24	22	630
488.423	15/2-07/S12 M	12	18x1,5	29,0	21,5	33,5	18,5	12	38,0	32	27	24	630
488.424	15/2-07/S14 M	14	20x1,5	31,0	23,0	36,0	20,0	14	41,0	32	30	27	630
488.425	15/2-07/S16 M	16	22x1,5	31,0	22,5	37,5	21,5	14	41,0	32	30	30	400
488.426	15/2-07/S20 M	20	27x2,0	36,0	25,5	44,0	24,0	16	47,0	41	36	36	400
488.427	15/2-07/S25 M	25	33x2,0	42,5	31,5	55,5	30,5	18	54,5	50	46	46	400
488.428	15/2-07/S30 M	30	42x2,0	49,5	36,0	65,5	35,5	20	62,5	60	55	50	400
488.429	15/2-07/S38 M	38	48x2,0	56,5	40,5	75,5	40,5	22	71,5	70	60	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



TH-R Schwenkverschraubung Typ 15/2-07/.. R.. / Banjo elbows type 15/2-07/.. G..													
Zölliges Einschraubgewinde, zylindrisch / BSP thread, cylindric													
Art.Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	L5	L6	S1	S2	S3	Bar
488.610	15/2-07/L06 R	6	1/8"	19,0	12,0	18,5	10,5	8	27,0	17	17	14	315
488.611	15/2-07/L08 R	8	1/4"	21,5	14,5	25,0	14,0	12	29,5	22	19	17	315
488.612	15/2-07/L10 R	10	1/4"	22,5	15,5	25,0	14,0	12	30,5	22	19	19	315
488.613	15/2-07/L12 R	12	3/8"	25,0	18,0	30,0	16,5	12	33,0	27	24	22	315
488.614	15/2-07/L15 R	15	1/2"	29,0	22,0	37,5	21,5	14	37,0	32	30	27	315
488.615	15/2-07/L18 R	18	1/2"	29,0	21,5	37,5	21,5	14	38,0	32	30	32	315
488.616	15/2-07/L22 R	22	3/4"	34,0	26,5	44,0	24,0	16	43,0	41	36	36	160
488.617	15/2-07/L28 R	28	1"	38,5	31,0	55,5	30,5	18	47,5	50	46	41	160
488.618	15/2-07/L35 R	35	1 1/4"	45,5	35,0	65,5	35,5	20	56,5	60	55	50	160
488.619	15/2-07/L42 R	42	1 1/2"	50,5	39,5	75,5	40,5	22	62,5	70	60	60	160
488.620	15/2-07/S06 R	6	1/4"	23,5	16,5	25,0	14,0	12	31,5	22	19	17	630
488.621	15/2-07/S08 R	8	1/4"	23,5	16,5	25,0	12,0	12	31,5	22	19	19	630
488.622	15/2-07/S10 R	10	3/8"	26,0	18,5	30,0	16,5	12	35,0	27	24	22	630
488.623	15/2-07/S12 R	12	3/8"	26,0	18,5	30,0	16,5	12	35,0	27	24	24	630
488.624	15/2-07/S14 R	14	1/2"	31,0	23,0	37,5	21,5	14	41,0	32	30	27	630
488.625	15/2-07/S16 R	16	1/2"	31,0	22,5	37,5	21,5	14	41,0	32	30	30	400
488.626	15/2-07/S20 R	20	3/4"	36,0	25,5	44,0	24,0	16	47,0	41	36	36	400
488.627	15/2-07/S25 R	25	1"	42,5	31,5	55,5	30,5	18	54,5	50	46	46	400
488.628	15/2-07/S30 R	30	1 1/4"	49,5	36,0	65,5	35,5	20	62,5	60	55	50	400
488.629	15/2-07/S38 R	38	1 1/2"	56,5	40,5	75,5	40,5	22	71,5	70	60	60	315

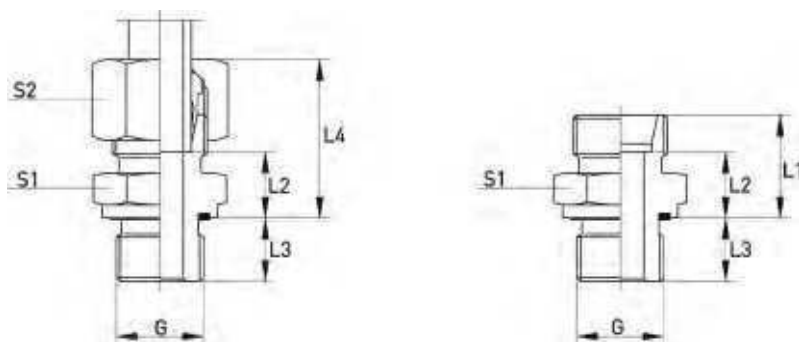
Technische Änderungen vorbehalten.
Measurements may differ.



GE-M-ED Einschraubverschraubung Typ 15-01/...MD / Male stud coupling type 15-01/... MD											
Metrisches Einschraubgewinde zylindrisch, Form E DIN 3852 / metric thread cylindrical, form E DIN 3852											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	S1	S2	Bar
420.800	420.900	15-01/LL04 MD 8x1,0 *	4	8x1,0	13,5	9,5	8	20,0	12	10	100
420.801	420.901	15-01/LL06 MD 10x1,0 *	6	10x1,0	13,5	9,5	8	20,0	14	12	100
420.802	420.902	15-01/LL08 MD 10x1,0 *	8	10x1,0	14,5	9,0	8	21,0	14	14	100
420.810	420.910	15-01/L06 MD 10x1,0 *	6	10x1,0	15,5	8,5	8	23,0	14	14	315
420.830	420.930	15-01/L08 MD 10x1,0	8	10x1,0	16,5	8,5	8	24,5	14	17	315
420.811	420.911	15-01/L08 MD 12x1,5*	8	12x1,5	17,0	10,0	12	25,0	17	17	315
420.831	420.931	15-01/L08 MD 18x1,5	8	18x1,5	18,5	11,5	12	25,0	17	17	315
420.812	420.912	15-01/L10 MD 14x1,5 *	10	14x1,5	18,0	11,0	12	26,0	19	19	315
420.832	420.932	15-01/L10 MD 16x1,5	10	16x1,5	19,5	12,5	12	27,5	22	19	315
420.833	420.941	15-01/L10 MD 18x1,5	10	18x1,5	19,5	12,5	12	27,5	24	19	315
420.834	420.930	15-01/L10 MD 22x1,5	10	22x1,5	21,0	14,0	14	29,0	27	19	315
420.835	420.935	15-01/L12 MD 14x1,5	12	14x1,5	19,5	12,5	12	27,0	19	22	315
420.813	420.913	15-01/L12 MD 16x1,5 *	12	16x1,5	19,5	12,5	12	27,0	22	22	315
420.836	420.936	15-01/L12 MD 18x1,5	12	18x1,5	19,5	12,5	12	27,0	24	22	315
420.837	420.937	15-01/L12 MD 22x1,5	12	22x1,5	21,0	14,0	14	28,5	27	22	315
420.838	420.938	15-01/L15 MD 16x1,5	15	16x1,5	20,0	13,0	12	28,0	24	27	315
420.814	420.914	15-01/L15 MD 18x1,5 *	15	18x1,5	20,5	13,5	12	29,0	24	27	315
420.839	420.939	15-01/L15 MD 22x1,5	15	22x1,5	22,0	15,0	14	30,0	27	27	315
420.840	420.940	15-01/L18 MD 18x1,5	18	18x1,5	21,5	14,0	12	30,5	27	32	315
420.815	420.915	15-01/L18 MD 22x1,5 *	18	22x1,5	22,0	14,5	14	31,0	27	32	315
420.841	420.941	15-01/L22 MD 22x1,5	22	22x1,5	24,0	16,5	14	33,0	32	36	160
420.816	420.916	15-01/L22 MD 26x1,5 *	22	26x1,5	24,0	16,5	16	33,0	32	36	160
420.817	420.917	15-01/L28 MD 33x2,0 *	28	33x2,0	25,0	17,5	18	34,0	41	41	160
420.818	420.918	15-01/L35 MD 42x2,0 *	35	42x2,0	28,0	17,5	20	39,0	50	50	160
420.819	420.919	15-01/L42 MD 48x2,0 *	42	48x2,0	30,0	19,0	22	42,0	55	60	160
420.820	420.920	15-01/S06 MD 12x1,5 *	6	12x1,5	20,0	13,0	12	28,0	17	17	630
420.821	420.921	15-01/S08 MD 14x1,5 *	8	14x1,5	22,0	15,0	12	30,0	19	19	630
420.822	420.922	15-01/S10 MD 16x1,5 *	10	16x1,5	22,5	15,0	12	31,0	22	22	630
420.823	420.923	15-01/S12 MD 18x1,5 *	12	18x1,5	24,5	17,0	12	33,0	24	24	630
420.845	420.945	15-01/S12 MD 22x1,5	12	22x1,5	25,0	17,5	14	33,5	27	24	630
420.824	420.924	15-01/S14 MD 20x1,5 *	14	20x1,5	27,0	19,0	14	37,0	27	27	630
420.846	420.946	15-01/S16 MD 18x1,5	16	18x1,5	26,5	18,0	12	36,5	27	30	400
420.825	420.925	15-01/S16 MD 22x1,5 *	16	22x1,5	27,0	18,5	14	37,0	27	30	400
420.847	420.947	15-01/S20 MD 22x1,5	20	22x1,5	31,0	20,5	14	42,0	32	36	400
420.826	420.926	15-01/S20 MD 27x2,0 *	20	27x2,0	31,0	20,5	16	42,0	32	36	400
420.848	420.948	15-01/S25 MD 27x2,0	25	27x2,0	35,0	23,0	16	47,0	41	46	400
420.827	420.927	15-01/S25 MD 33x2,0 *	25	33x2,0	35,0	23,0	18	47,0	41	46	400
420.849	420.949	15-01/S30 MD 33x2,0	30	33x2,0	37,0	23,5	18	50,0	46	50	400
420.828	420.928	15-01/S30 MD 42x2,0 *	30	42x2,0	37,0	23,5	20	50,0	50	50	400
420.829	420.929	15-01/S38 MD 48x2,0 *	38	48x2,0	42,0	26,0	22	57,0	55	60	315

*Standardgröße

Technische Änderungen vorbehalten.
Measurements may differ.

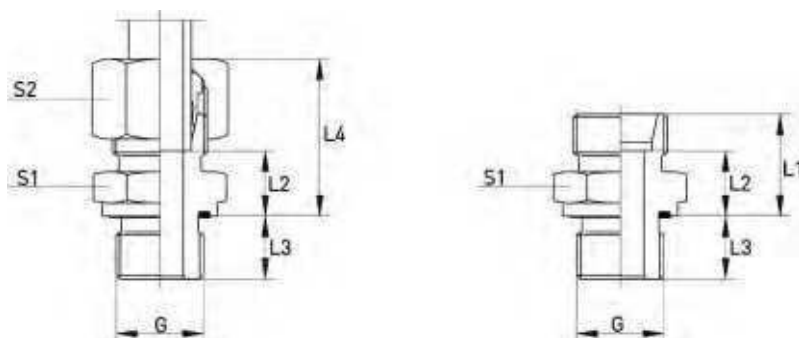


GE-R-ED Einschraubverschraubung Typ 15-01/...RD / Male stud coupling type 15-01/... RD											
Zölliges Einschraubgewinde zylindrisch, Form E DIN 3852 / BSP thread cylindric, form E DIN 3852											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	Bar
421.800	421.900	15-01/LL 04 RD 1/8" *	4	1/8"	13,5	9,5	8	20,0	14	10	100
421.801	421.901	15-01/LL 06 RD 1/8" *	6	1/8"	13,5	8,0	8	20,0	14	12	100
421.802	421.902	15-01/LL 08 RD 1/8" *	8	1/8"	14,5	9,0	8	21,0	14	14	100
421.810	421.910	15-01/L 06 RD 1/8" *	6	1/8"	15,5	8,5	8	23,0	14	14	315
421.803	421.949	15-01/L 06 RD 1/4"	6	1/4"	17,0	10,0	12	24,5	19	14	315
421.804	421.904	15-01/L 06 RD 3/8"	6	3/8"	18,5	11,5	12	26,0	22	14	315
421.805	421.905	15-01/L 08 RD 1/8"	8	1/8"	16,5	9,5	8	24,5	14	17	315
421.811	421.911	15-01/L 08 RD 1/4" *	8	1/4"	17,0	10,0	12	25,0	19	17	315
421.833	421.934	15-01/L 08 RD 3/8"	8	3/8"	18,5	11,5	12	26,5	22	17	315
421.806	421.906	15-01/L 08 RD 1/2"	8	1/2"	19,0	12,0	14	27,0	27	17	315
421.807	421.907	15-01/L 10 RD 1/8"	10	1/8"	17,5	10,5	8	25,5	17	19	315
421.812	421.912	15-01/L 10 RD 1/4" *	10	1/4"	18,0	11,0	12	26,0	19	19	315
421.808	421.936	15-01/L 10 RD 3/8"	10	3/8"	19,5	12,5	12	27,5	22	19	315
421.830	421.937	15-01/L 10 RD 1/2"	10	1/2"	20,0	13,0	14	28,0	27	19	315
421.834	421.933	15-01/L 12 RD 1/4"	12	1/4"	19,0	12,0	12	26,5	19	22	315
421.813	421.913	15-01/L 12 RD 3/8" *	12	3/8"	19,5	12,5	12	27,0	22	22	315
421.835	421.932	15-01/L 12 RD 1/2"	12	1/2"	20,0	13,0	14	27,5	27	22	315
421.809	421.935	15-01/L 15 RD 3/8"	15	3/8"	20,5	13,5	12	28,5	24	27	315
421.814	421.914	15-01/L 15 RD 1/2" *	15	1/2"	21,0	14,0	14	29,0	27	27	315
421.832	421.948	15-01/L 15 RD 3/4"	15	3/4"	22,0	15,0	16	30,0	32	27	315
421.815	421.915	15-01/L 18 RD 1/2" *	18	1/2"	22,0	14,5	14	31,0	27	32	315
421.852	421.946	15-01/L 18 RD 3/4"	18	3/4"	22,0	14,5	16	31,0	32	32	315
421.836	421.908	15-01/L 22 RD 1/2"	22	1/2"	24,0	16,5	14	33,0	32	36	160
421.816	421.916	15-01/L 22 RD 3/4" *	22	3/4"	24,0	16,5	16	33,0	32	36	160
421.853	421.945	15-01/L 22 RD 1"	22	1"	25,0	17,5	18	34,0	41	36	160
421.854	421.938	15-01/L 28 RD 3/4"	28	3/4"	25,0	17,5	16	34,0	41	41	160
421.817	421.917	15-01/L 28 RD 1" *	28	1"	25,0	17,5	18	34,0	41	41	160
421.855	421.955	15-01/L 35 RD 1"	35	1"	28,0	17,5	18	39,0	46	50	160
421.818	421.918	15-01/L 35 RD 1 1/4" *	35	1 1/4"	28,0	17,5	20	39,0	50	50	160
421.856	421.909	15-01/L 42 RD 1 1/4"	42	1 1/4"	30,0	19,0	20	42,0	55	60	160
421.819	421.919	15-01/L 42 RD 1 1/2" *	42	1 1/2"	30,0	19,0	22	42,0	55	60	160

*Standardgröße / Standard size

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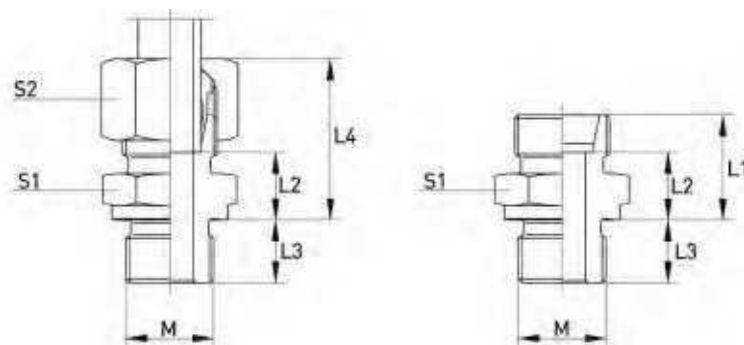
Technische Änderungen vorbehalten.
Measurements may differ.



GE-R-ED Einschraubverschraubung Typ 15-01/.. RD.. / Male stud coupling type 15-01/.. RD.. Zölliges Einschraubgewinde zylindrisch, Form E DIN 3852 / BSP thread cylindric, form E DIN 3852											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	Bar
421.820	421.920	15-01/S 06 RD 1/4" *	6	1/4"	20,0	13,0	12	28,0	19	17	630
421.821	421.921	15-01/S 08 RD 1/4" *	8	1/4"	22,0	15,0	12	30,0	19	19	630
421.846	421.930	15-01/S 08 RD 3/8"	8	3/8"	22,5	15,5	12	30,5	22	19	630
421.841	421.941	15-01/S 10 RD 1/4"	10	1/4"	22,0	14,5	12	30,5	19	22	630
421.822	421.922	15-01/S 10 RD 3/8" *	10	3/8"	22,5	15,0	12	31,0	22	22	630
421.842	421.942	15-01/S 10 RD 1/2"	10	1/2"	25,0	17,5	14	33,5	27	22	630
421.850	421.950	15-01/S 12 RD 1/4"	12	1/4"	24,0	16,5	12	32,5	22	24	630
421.823	421.923	15-01/S 12 RD 3/8" *	12	3/8"	24,5	17,0	12	33,0	22	24	630
421.851	421.951	15-01/S 12 RD 1/2"	12	1/2"	25,0	17,5	14	33,5	27	24	630
421.843	421.952	15-01/S 14 RD 3/8"	14	3/8"	26,5	18,5	12	36,5	24	27	630
421.824	421.924	15-01/S 14 RD 1/2" *	14	1/2"	27,0	19,0	14	37,0	27	27	630
421.837	421.953	15-01/S 16 RD 3/8"	16	3/8"	26,5	18,0	12	36,5	27	30	400
421.825	421.925	15-01/S 16 RD 1/2" *	16	1/2"	27,0	18,5	14	37,0	27	30	400
421.838	421.940	15-01/S 16 RD 3/4"	16	3/4"	29,0	20,5	16	39,0	32	30	400
421.844	421.944	15-01/S 20 RD 1/2"	20	1/2"	31,0	20,5	14	42,0	32	36	400
421.826	421.926	15-01/S 20 RD 3/4" *	20	3/4"	31,0	20,5	16	42,0	32	36	400
421.839	421.954	15-01/S 20 RD 1"	20	1"	33,0	22,5	18	44,0	41	36	400
421.840	421.943	15-01/S 25 RD 3/4"	25	3/4"	35,0	23,0	16	47,0	41	46	400
421.827	421.927	15-01/S 25 RD 1" *	25	1"	35,0	23,0	18	47,0	41	46	400
421.845	421.957	15-01/S 30 RD 1"	30	1"	37,0	23,5	18	50,0	46	50	400
421.828	421.928	15-01/S 30 RD 1 1/4" *	30	1 1/4"	37,0	23,5	20	50,0	50	50	400
421.829	421.929	15-01/S 38 RD 1 1/2" *	38	1 1/2"	42,0	26,0	22	57,0	55	60	315

*Standardgröße / Standard size

Technische Änderungen vorbehalten.
Measurements may differ.

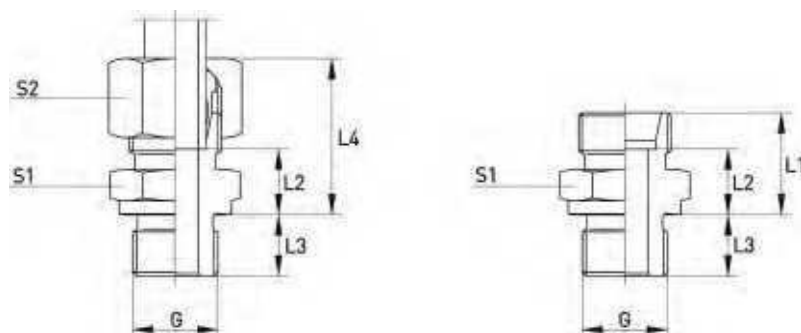


GE-M Einschraubverschraubung Typ 15-01/...MB / Male stud coupling type 15-01/... MB											
Metrisches Einschraubgewinde zylindrisch, Form B DIN 3852 / metric thread cylindric form B DIN 3852											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	S1	S2	Bar
420.210	420.310	15-01/L 06 MB 10x1,0 *	6	10x1,0	15,5	8,5	8	23,0	14	14	250
420.436	420.536	15-01/L 08 MB 10x1,0	8	10x1,0	16,5	8,5	8	24,5	14	17	250
420.211	420.311	15-01/L 08 MB 12x1,5 *	8	12x1,5	17,0	10,0	12	25,0	17	17	250
420.239	420.339	15-01/L 08 MB 18x1,5	8	18x1,5	18,5	11,5	12	26,5	24	17	250
420.212	420.312	15-01/L 10 MB 14x1,5 *	10	14x1,5	18,0	11,0	12	26,0	19	19	250
420.243	420.343	15-01/L 10 MB 16x1,5	10	16x1,5	19,5	12,5	12	27,5	22	19	250
420.244	420.344	15-01/L 10 MB 18x1,5	10	18x1,5	19,5	12,5	12	27,5	24	19	250
420.245	420.345	15-01/L 10 MB 22x1,5	10	22x1,5	21,0	14,0	14	29,0	27	19	250
420.247	420.347	15-01/L 12 MB 14x1,5	12	14x1,5	19,5	12,5	12	27,0	19	22	250
420.213	420.313	15-01/L 12 MB 16x1,5 *	12	16x1,5	19,5	12,5	12	27,0	22	22	250
420.248	420.348	15-01/L 12 MB 18x1,5	12	18x1,5	19,5	12,5	12	27,0	24	22	250
420.249	420.349	15-01/L 12 MB 22x1,5	12	22x1,5	21,0	14,0	14	28,5	27	22	250
420.252	420.352	15-01/L 15 MB 16x1,5	15	16x1,5	20,0	13,0	12	28,0	24	27	250
420.214	420.314	15-01/L 15 MB 18x1,5 *	15	18x1,5	20,5	13,5	12	29,0	24	27	250
420.253	420.353	15-01/L 15 MB 22x1,5	15	22x1,5	22,0	15,0	14	30,0	27	27	250
420.255	420.355	15-01/L 18 MB 18x1,5	18	18x1,5	21,5	14,0	12	30,5	27	32	160
420.215	420.315	15-01/L 18 MB 22x1,5 *	18	22x1,5	22,0	14,5	14	31,0	27	32	160
420.257	420.357	15-01/L 22 MB 22x1,5	22	22x1,5	24,0	16,5	14	33,0	32	36	160
420.216	420.316	15-01/L 22 MB 26x1,5 *	22	26x1,5	24,0	16,5	16	33,0	32	36	160
420.217	420.317	15-01/L 28 MB 33x2,0 *	28	33x2,0	25,0	17,5	18	34,0	41	41	100
420.218	420.318	15-01/L 35 MB 42x2,0 *	35	42x2,0	28,0	17,5	20	39,0	50	50	100
420.219	420.319	15-01/L 42 MB 48x2,0 *	42	48x2,0	30,0	19,0	22	42,0	55	60	100
420.220	420.320	15-01/S 06 MB 12x1,5 *	6	12x1,5	20,0	13,0	12	28,0	17	17	630
420.221	420.321	15-01/S 08 MB 14x1,5 *	8	14x1,5	22,0	15,0	12	30,0	19	19	630
420.222	420.322	15-01/S 10 MB 16x1,5 *	10	16x1,5	22,5	15,0	12	31,0	22	22	630
420.223	420.323	15-01/S 12 MB 18x1,5 *	12	18x1,5	24,5	17,0	12	33,0	24	24	630
420.274	420.374	15-01/S 12 MB 22x1,5	12	22x1,5	25,0	17,5	14	33,5	27	24	630
420.224	420.324	15-01/S 14 MB 20x1,5 *	14	20x1,5	27,0	19,0	14	37,0	27	27	630
420.225	420.325	15-01/S 16 MB 22x1,5 *	16	22x1,5	27,0	18,5	14	37,0	27	30	400
420.294	420.394	15-01/S 20 MB 22x1,5	20	22x1,5	31,0	20,5	14	42,0	32	36	400
420.226	420.326	15-01/S 20 MB 27x2,0 *	20	27x2,0	31,0	20,5	16	42,0	32	36	400
420.227	420.327	15-01/S 25 MB 33x2,0 *	25	33x2,0	35,0	23,0	18	47,0	41	46	400
420.228	420.328	15-01/S 30 MB 42x2,0 *	30	42x2,0	37,0	23,5	20	50,0	50	50	250
420.229	420.329	15-01/S 38 MB 48x2,0 *	38	48x2,0	42,0	26,0	22	57,0	55	60	250

*Standardgröße / Standard size

Weitere Größen auf Anfrage / Further sizes on request

Technische Änderungen vorbehalten.
Measurements may differ.



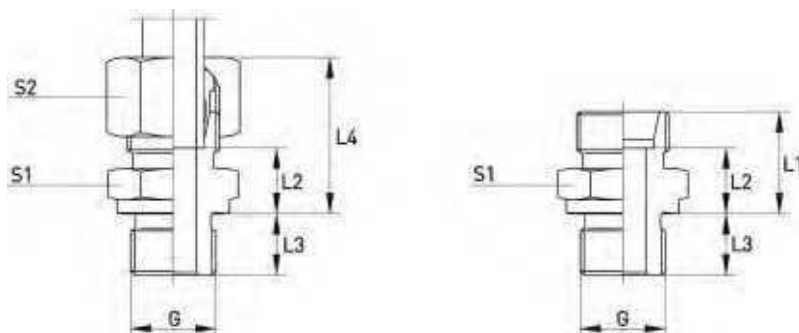
GE-R Einschraubverschraubung Typ 15-01/...RB / Male stud coupling type 15-01/... RB											
Zölliges Einschraubgewinde zylindrisch, Form B DIN 3852 / thread BSP, cylindric, form B DIN 3852											
Art.Nr. Komplet	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	Bar
421.210	421.310	15-01/L 06 RB 1/8" *	6	1/8"	15,5	8,5	8	23,0	14	14	250
421.241	421.341	15-01/L 06 RB 1/4"	6	1/4"	17,0	10,0	12	24,5	19	14	250
421.242	421.342	15-01/L 06 RB 3/8"	6	3/8"	18,5	11,5	12	26,0	22	14	250
421.244	421.344	15-01/L 08 RB 1/8"	8	1/8"	16,5	9,5	8	24,5	14	17	250
421.211	421.311	15-01/L 08 RB 1/4" *	8	1/4"	17,0	10,0	12	25,0	19	17	250
421.230	421.330	15-01/L 08 RB 3/8"	8	3/8"	18,5	11,5	12	26,5	22	17	250
421.245	421.345	15-01/L 08 RB 1/2"	8	1/2"	19,0	12,0	14	27,0	27	17	250
421.256	421.356	15-01/L 10 RB 1/8"	10	1/8"	17,5	10,5	8	25,5	17	19	250
421.212	421.312	15-01/L 10 RB 1/4" *	10	1/4"	18,0	11,0	12	26,0	19	19	250
421.231	421.331	15-01/L 10 RB 3/8"	10	3/8"	19,5	12,5	12	27,5	22	19	250
421.246	421.346	15-01/L 10 RB 1/2"	10	1/2"	20,0	13,0	14	28,0	27	19	250
421.232	421.332	15-01/L 12 RB 1/4"	12	1/4"	19,0	12,0	12	26,5	19	22	250
421.213	421.313	15-01/L 12 RB 3/8" *	12	3/8"	19,5	12,5	12	27,0	22	22	250
421.233	421.333	15-01/L 12 RB 1/2"	12	1/2"	20,0	13,0	14	27,5	27	22	250
421.249	421.349	15-01/L 15 RB 3/8"	15	3/8"	20,5	13,5	12	28,5	24	27	250
421.214	421.314	15-01/L 15 RB 1/2" *	15	1/2"	21,0	14,0	14	29,0	27	27	250
421.250	421.350	15-01/L 15 RB 3/4"	15	3/4"	22,0	15,0	16	30,0	32	27	250
421.215	421.315	15-01/L 18 RB 1/2" *	18	1/2"	22,0	14,5	14	31,0	27	32	160
421.251	421.351	15-01/L 18 RB 3/4"	18	3/4"	22,0	14,5	16	31,0	32	32	160
421.253	421.353	15-01/L 22 RB 1/2"	22	1/2"	24,0	16,5	14	33,0	32	36	160
421.216	421.316	15-01/L 22 RB 3/4" *	22	3/4"	24,0	16,5	16	33,0	32	36	160
421.259	421.359	15-01/L 22 RB 1"	22	1"	25,0	17,5	18	34,0	41	36	160
421.258	421.358	15-01/L 28 RB 3/4"	28	3/4"	25,0	17,5	16	34,0	41	41	100
421.217	421.317	15-01/L 28 RB 1" *	28	1"	25,0	17,5	18	34,0	41	41	100
421.218	421.318	15-01/L 35 RB 1 1/4" *	35	1 1/4"	28,0	17,5	20	39,0	50	50	100
421.260	421.362	15-01/L 42 RB 1 1/4"	42	1 1/4"	30,0	19,0	20	42,0	55	60	100
421.219	421.319	15-01/L 42 RB 1 1/2" *	42	1 1/2"	30,0	19,0	22	42,0	55	60	100

*Standardgröße / Standard size

Weitere Größen auf Anfrage / Further sizes on request

Fortsetzung nächste Seite / Continuation on next page.

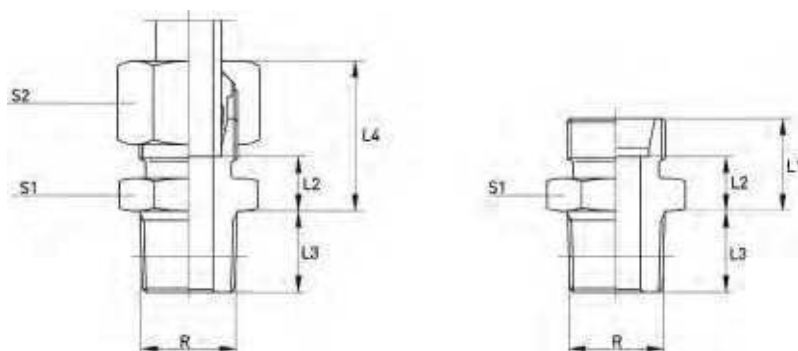
Technische Änderungen vorbehalten.
Measurements may differ.



GE-R Einschraubverschraubung Typ 15-01/...RB / Male stud coupling type 15-01/... RB											
Zölliges Einschraubgewinde zylindrisch, Form B DIN 3852 / thread BSP, cylindric, form B DIN 3852											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	Bar
421.220	421.320	15-01/S 06 RB 1/4" *	6	1/4"	20,0	13,0	12	28,0	19	17	630
421.221	421.321	15-01/S 08 RB 1/4" *	8	1/4"	22,0	15,0	12	30,0	19	19	630
421.271	421.371	15-01/S 08 RB 3/8"	8	3/8"	22,5	15,5	12	30,5	22	19	630
421.273	421.373	15-01/S 10 RB 1/4"	10	1/4"	22,0	14,5	12	30,5	19	22	630
421.222	421.322	15-01/S 10 RB 3/8" *	10	3/8"	22,5	15,0	12	31,0	22	22	630
421.274	421.374	15-01/S 10 RB 1/2"	10	1/2"	25,0	17,5	14	33,5	27	22	630
421.268	421.368	15-01/S 12 RB 1/4"	12	1/4"	24,0	16,5	12	32,5	22	24	630
421.223	421.323	15-01/S 12 RB 3/8" *	12	3/8"	24,5	17,0	12	33,0	22	24	630
421.234	421.334	15-01/S 12 RB 1/2"	12	1/2"	25,0	17,5	14	33,5	27	24	630
421.282	421.382	15-01/S 14 RB 3/8"	14	3/8"	26,5	18,5	12	36,5	24	27	630
421.224	421.324	15-01/S 14 RB 1/2" *	14	1/2"	27,0	19,0	14	37,0	27	27	630
421.295	421.395	15-01/S 16 RB 3/8"	16	3/8"	26,5	18,0	12	36,5	27	30	400
421.225	421.325	15-01/S 16 RB 1/2" *	16	1/2"	27,0	18,5	14	37,0	27	30	400
421.276	421.376	15-01/S 16 RB 3/4"	16	3/4"	29,0	20,5	16	39,0	32	30	400
421.277	421.377	15-01/S 20 RB 1/2"	20	1/2"	31,0	20,5	14	42,0	32	36	400
421.226	421.326	15-01/S 20 RB 3/4" *	20	3/4"	31,0	20,5	16	42,0	32	36	400
468.401	468.501	15-01/S 20 RB 1"	20	1"	33,0	22,5	18	44,0	41	36	400
421.278	421.378	15-01/S 25 RB 3/4"	25	3/4"	35,0	23,0	16	47,0	41	46	400
421.227	421.327	15-01/S 25 RB 1" *	25	1"	35,0	23,0	18	47,0	41	46	400
421.283	421.383	15-01/S 30 RB 1"	30	1"	37,0	23,5	18	50,0	46	50	250
421.228	421.328	15-01/S 30 RB 1 1/4" *	30	1 1/4"	37,0	23,5	20	50,0	50	50	250
421.229	421.329	15-01/S 38 RB 1 1/2" *	38	1 1/2"	42,0	26,0	22	57,0	55	60	250

*Standardgröße

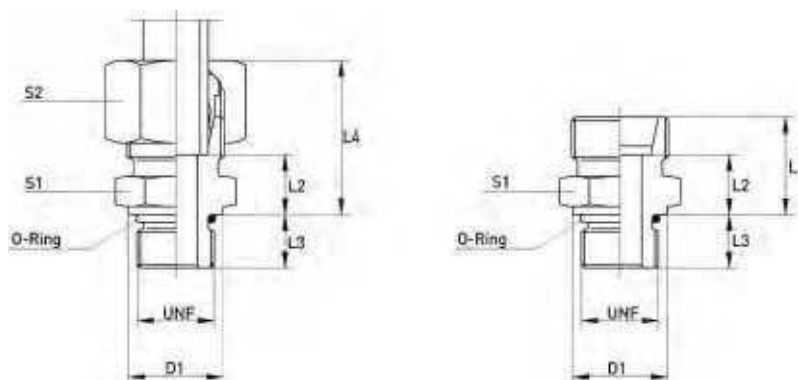
Technische Änderungen vorbehalten.
Measurements may differ.



GE-R (KEG) Einschraubverschraubung Typ 15-01/.. RK.. / Male stud coupling type 15-01/.. RK.. Metrisches / zölliges Einschraubgewinde kegelig, Form C DIN 3852 / metric / BSP thread, tapered form C DIN 3852											
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	R	L1	L2	L3	L4	S1	S2	Bar
420.001	420.101	15-01/LL 04 MK 8x1,0 *	4	8x1,0	12	8,0	8	18,0	10	10	100
420.002	420.102	15-01/LL 05 MK 8x1,0 *	5	8x1,0	12	6,5	8	18,0	11	12	100
420.003	420.103	15-01/LL 06 MK 10x1,0 *	6	10x1,0	12	6,5	8	18,0	11	12	100
420.004	420.104	15-01/LL 08 MK 10x1,0 *	8	10x1,0	14	8,5	8	18,0	12	14	100
421.001	421.101	15-01/LL 04 RK 1/8" *	4	1/8"	12	8,0	8	18,5	12	10	100
421.002	421.102	15-01/LL 05 RK 1/8" *	5	1/8"	12	6,5	8	18,0	11	12	100
421.003	421.103	15-01/LL 06 RK 1/8" *	6	1/8"	12	6,5	8	18,5	12	12	100
421.004	421.104	15-01/LL 08 RK 1/8" *	8	1/8"	14	8,5	8	20,5	12	14	100
421.010	421.110	15-01/L 06 RK 1/8" *	6	1/8"	14	7,0	8	22,0	12	14	315
421.041	421.141	15-01/L 06 RK 1/4"	6	1/4"	15	8,0	12	22,5	14	14	315
421.044	421.144	15-01/L 08 RK 1/8"	8	1/8"	15	8,0	8	22,0	14	17	315
421.011	421.111	15-01/L 08 RK 1/4" *	8	1/4"	15	8,0	12	23,0	17	17	315
421.056	421.156	15-01/L 08 RK 3/8"	8	3/8"	16	9,0	12	25,0	19	17	315
421.045	421.145	15-01/L 08 RK 1/2"	8	1/2"	16	9,0	14	25,0	22	17	315
421.012	421.112	15-01/L 10 RK 1/4" *	10	1/4"	16	9,0	12	24,0	17	19	315
421.058	421.158	15-01/L 10 RK 3/8"	10	3/8"	17	10,0	12	25,0	19	19	315
421.046	421.146	15-01/L 10 RK 1/2"	10	1/2"	17	10,0	14	25,0	22	19	315
421.059	421.159	15-01/L 12 RK 1/4"	12	1/4"	17	10,0	12	24,5	19	22	315
421.013	421.113	15-01/L 12 RK 3/8" *	12	3/8"	17	10,0	12	24,5	19	22	315
421.033	421.133	15-01/L 12 RK 1/2"	12	1/2"	17	10,0	14	24,5	22	22	315
421.049	421.149	15-01/L 15 RK 3/8"	15	3/8"	18	11,0	12	26,0	24	27	315
421.014	421.114	15-01/L 15 RK 1/2" *	15	1/2"	18	11,0	14	26,0	24	27	315
421.015	421.115	15-01/L 18 RK 1/2" *	18	1/2"	19	11,5	14	28,0	27	32	315
421.016	421.116	15-01/L 22 RK 3/4" *	22	3/4"	21	13,5	16	30,0	32	36	160

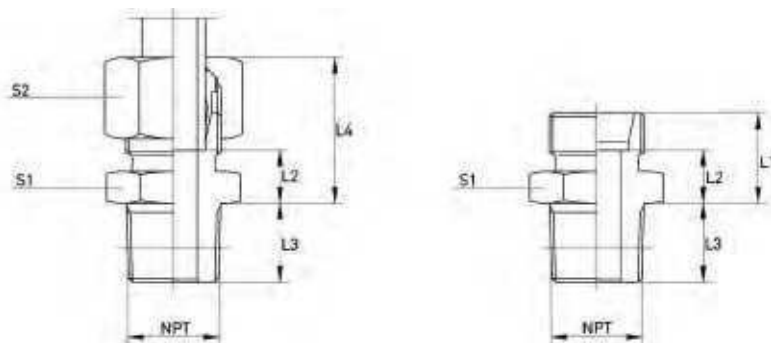
*Standardgröße / Standard size

Technische Änderungen vorbehalten.
Measurements may differ.



GE-UNF/UN Einschraubverschraubung Typ 15-01/.. U.. / Male stud coupling type 15-01/.. U..											
Einschraubgewinde UNF zylindrisch, mit O-Ring-Abdichtung / UNF-thread cylindric, with O-Ring seal											
Art.Nr. Art.N°	Bezeichnung Description	Rohr AD Tube OD	UNF	D1	L1	L2	L3	L4	S1	S2	Bar
420.610	15-01/L 06 U 7/16"	6	7/16"-20	13,8	16,9	9,9	9,1	24,5	14	14	315
420.639	15-01/L 06 U 9/16"	6	9/16"-18	18,8	16,9	9,9	10,0	25,0	19	14	315
420.631	15-01/L 08 U 7/16"	8	7/16"-20	13,8	16,9	9,9	9,1	25,0	17	17	315
420.611	15-01/L 08 U 1/2"	8	1/2"-20	16,8	16,9	9,9	9,1	25,0	17	17	315
420.632	15-01/L 10 U 7/16"	10	7/16"-20	13,8	17,9	10,9	9,1	26,0	17	19	315
420.612	15-01/L 10 U 9/16"	10	9/16"-18	18,8	18,0	11,0	10,0	26,0	19	19	315
420.633	15-01/L 12 U 9/16"	12	9/16"-18	18,8	18,0	11,0	10,0	25,5	19	22	315
420.613	15-01/L 12 U 3/4"	12	3/4"-16	21,8	19,9	12,9	11,1	27,5	24	22	315
420.634	15-01/L 12 U 7/8"	12	7/8"-14	26,8	21,3	14,3	12,7	29,0	27	22	315
420.614	15-01/L 15 U 3/4"	15	3/4"-16	21,8	20,9	13,9	11,1	29,0	24	27	315
420.635	15-01/L 18 U 3/4"	18	3/4"-16	21,8	21,9	14,4	11,1	31,0	27	32	315
420.615	15-01/L 18 U 7/8"	18	7/8"-14	26,8	22,3	14,8	12,7	31,5	27	32	315
420.636	15-01/L 22 U 7/8"	22	7/8"-14	26,8	24,3	16,8	12,7	33,5	32	36	160
420.616	15-01/L 22 U 1 1/16"	22	1 1/16"-12	31,8	23,9	16,4	15,1	33,0	32	36	160
420.637	15-01/L 22 U 1 5/16"	22	1 5/16"-12	40,8	24,9	17,4	15,1	34,0	41	36	160
420.660	15-01/L 28 U 1 1/16"	28	1 1/16"-12	31,8	24,9	17,4	15,1	34,0	41	41	160
420.617	15-01/L 28 U 1 5/16"	28	1 5/16"-12	40,8	24,9	17,4	15,1	34,0	41	41	160
420.662	15-01/L 35 U 1 5/16"	35	1 5/16"-12	40,8	27,9	17,4	15,1	39,0	46	50	160
420.618	15-01/L 35 U 1 5/8"	35	1 5/8"-12	49,8	27,9	17,4	15,1	39,0	50	50	160
420.638	15-01/L 42 U 1 5/8"	42	1 5/8"-12	49,8	29,9	18,9	15,1	42,0	55	60	160
420.619	15-01/L 42 U 1 7/8"	42	1 7/8"-12	54,8	29,9	18,9	15,1	42,0	55	60	160
420.620	15-01/S 06 U 7/16"	6	7/16"-20	13,8	16,9	14,9	9,1	30,0	17	17	630
420.640	15-01/S 08 U 7/16"	8	7/16"-20	13,8	21,9	14,9	9,1	30,0	17	19	630
420.621	15-01/S 08 U 1/2"	8	1/2"-20	16,8	21,9	14,9	9,1	30,0	17	19	630
420.622	15-01/S 10 U 9/16"	10	9/16"-18	18,8	22,0	14,5	10	30,5	19	22	630
420.641	15-01/S 12 U 9/16"	12	9/16"-18	18,8	22,0	14,5	10	30,5	22	24	630
420.623	15-01/S 12 U 3/4"	12	3/4"-16	21,8	24,9	17,4	11,1	33,5	22	24	630
420.624	15-01/S 14 U 3/4"	14	3/4"-16	21,8	23,9	15,9	11,1	34,0	24	27	630
420.645	15-01/S 16 U 3/4"	16	3/4"-16	21,8	23,9	15,4	11,1	34,0	27	30	400
420.625	15-01/S 16 U 7/8"	16	7/8"-14	26,8	27,3	18,8	12,7	37,5	27	30	400
420.644	15-01/S 20 U 3/4"	20	3/4"-16	21,8	30,9	20,4	11,1	42,0	32	36	400
420.646	15-01/S 20 U 7/8"	20	7/8"-14	26,8	31,3	20,8	12,7	42,5	32	36	400
420.626	15-01/S 20 U 1 1/16"	20	1 1/16"-12	31,8	30,9	20,4	15,1	42,0	32	36	400
420.647	15-01/S 25 U 1 1/16"	25	1 1/16"-12	31,8	34,9	22,9	15,1	47,0	36	46	400
420.627	15-01/S 25 U 1 5/16"	25	1 5/16"-12	40,8	34,9	22,9	15,1	47,0	41	46	400
420.648	15-01/S 30 U 1 5/16"	30	1 5/16"-12	40,8	36,9	23,4	15,1	50,0	46	50	400
420.628	15-01/S 30 U 1 5/8"	30	1 5/8"-12	49,8	36,9	23,4	15,1	50,0	50	50	400
420.649	15-01/S 38 U 1 5/8"	38	1 5/8"-12	49,8	41,9	25,9	15,1	57,0	55	60	315
420.629	15-01/S 38 U 1 7/8"	38	1 7/8"-12	54,8	41,9	25,9	15,1	57,0	55	60	315

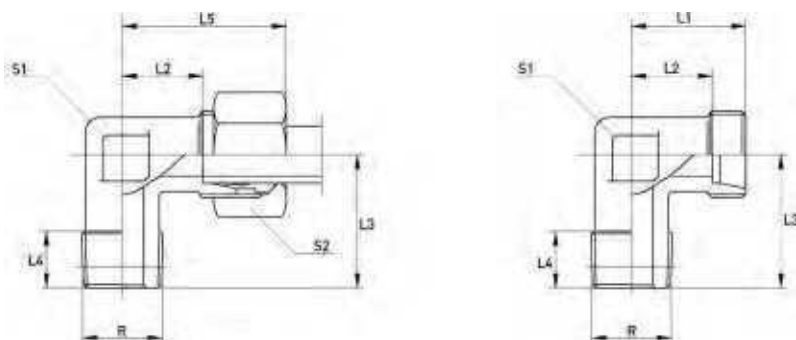
Technische Änderungen vorbehalten.
Measurements may differ.



GE-NPT Einschraubverschraubung Typ 15-01/.. NPT.. / Male stud coupling type 15-01/... NPT										
NPT Einschraubgewinde konisch, Form C DIN 3852 / NPT thread tapered, form C DIN 3852										
Art.Nr. Art.N°	Bezeichnung Description	Rohr AD Tube OD	NPT	L1	L2	L3	L4	S1	S2	Bar
421.601	15-01/LL 04 NPT	4	1/8"	13,0	8,0	10,0	18,0	11	10	100
421.602	15-01/LL 05 NPT	5	1/8"	12,0	6,5	10,0	18,0	11	12	100
421.603	15-01/LL 06 NPT	6	1/8"	12,0	6,5	10,0	18,0	11	12	100
421.604	15-01/LL 08 NPT	8	1/8"	14,0	8,5	10,0	20,0	12	14	100
421.610	15-01/L 06 NPT 1/8" *	6	1/8"	14,0	7,0	10,0	22,0	12	14	315
421.630	15-01/L 06 NPT 1/4"	6	1/4"	15,0	8,0	15,0	22,5	14	14	315
421.611	15-01/L 08 NPT 1/4" *	8	1/4"	15,0	8,0	15,0	23,0	17	17	315
421.612	15-01/L 10 NPT 1/4" *	10	1/4"	16,0	9,0	15,0	24,0	17	19	315
421.631	15-01/L 10 NPT 3/8"	10	3/8"	17,0	10,0	15,0	25,0	19	19	315
421.632	15-01/L 12 NPT 1/4"	12	1/4"	17,0	10,0	15,0	24,5	19	22	315
421.613	15-01/L 12 NPT 3/8" *	12	3/8"	17,0	10,0	15,0	24,5	19	22	315
421.633	15-01/L 12 NPT 1/2"	12	1/2"	17,5	10,5	19,5	25,0	22	22	315
421.614	15-01/L 15 NPT 1/2" *	15	1/2"	18,5	11,5	19,5	26,5	24	27	315
421.615	15-01/L 18 NPT 1/2" *	18	1/2"	19,5	12,0	19,5	28,5	27	32	315
421.616	15-01/L 22 NPT 3/4" *	22	3/4"	21,0	13,5	20,0	30,0	32	36	160
421.617	15-01/L 28 NPT 1" *	28	1"	22,0	14,5	25,0	31,0	41	41	160
421.618	15-01/L 35 NPT 1 1/4" *	35	1 1/4"	25,5	15,0	25,5	36,5	46	50	160
421.619	15-01/L 42 NPT 1 1/2" *	42	1 1/2"	27,0	16,0	26,0	39,0	55	60	160
421.620	15-01/S 06 NPT 1/4"	6	1/4"	18,0	11,0	15,0	26,0	17	17	630
421.621	15-01/S 08 NPT 1/4"	8	1/4"	20,0	13,0	15,0	28,0	17	19	630
421.634	15-01/S 10 NPT 1/4"	10	1/4"	20,0	12,0	15,0	29,0	19	22	630
421.622	15-01/S 10 NPT 3/8" *	10	3/8"	20,0	12,5	15,0	28,5	19	22	630
421.635	15-01/S 12 NPT 1/4"	12	1/4"	22,0	14,0	15,0	31,0	22	24	630
421.623	15-01/S 12 NPT 3/8" *	12	3/8"	22,0	14,5	15,0	30,5	22	24	630
421.636	15-01/S 12 NPT 1/2"	12	1/2"	22,5	15,0	19,5	31,0	22	24	630
421.624	15-01/S 14 NPT 1/2" *	14	1/2"	24,5	16,5	19,5	34,5	24	27	630
421.625	15-01/S 16 NPT 1/2" *	16	1/2"	24,5	16,0	19,5	34,5	27	30	400
421.626	15-01/S 20 NPT 3/4" *	20	3/4"	28,0	17,5	20,0	39,0	32	36	400
421.627	15-01/S 25 NPT 1" *	25	1"	32,0	20,0	25,0	44,0	41	46	400
421.628	15-01/S 30 NPT 1" *	30	1 1/4"	34,5	21,0	25,5	47,5	46	50	400
421.629	15-01/S 38 NPT 1 1/2" *	38	1 1/2"	39,0	23,0	26,0	54,0	55	60	315

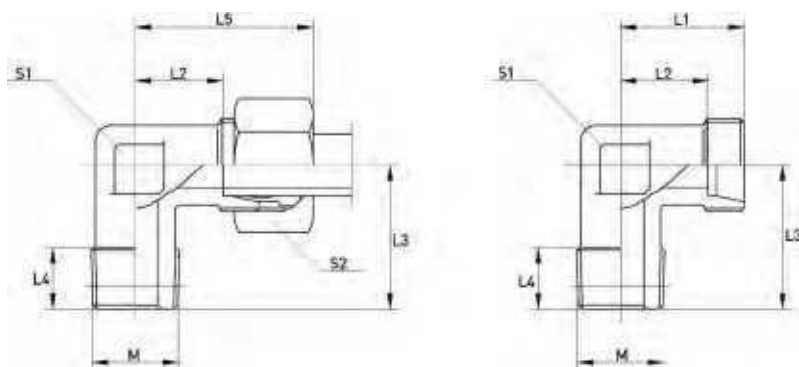
*Standardgröße / Standard size

Technische Änderungen vorbehalten.
Measurements may differ.



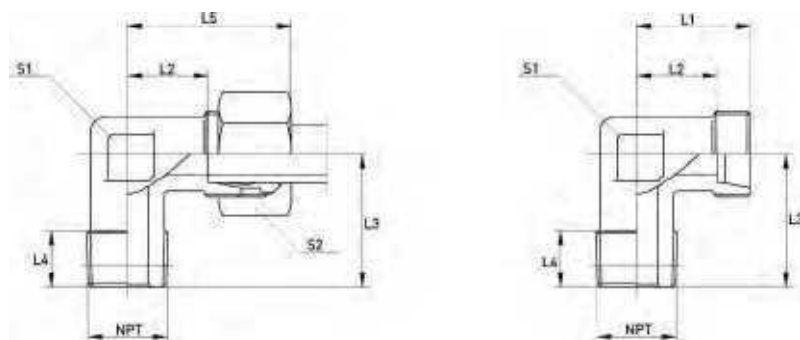
WE-R (KEG) Winkel-Einschraubverschraubung Typ 15-02/...RK / Male stud elbow type 15-02/...RK Zölliges Einschraubgewinde konisch, Form C DIN 3852 / BSP thread, tapered, form C DIN 3852												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	R	L1	L2	L3	L4	L5	S1	S2	Bar
423.001	423.101	15-02/LL 04 RK	4	1/8"	15	11,0	17	8	21	9	10	100
423.002	423.102	15-02/LL 05 RK	5	1/8"	15	10,0	17	8	22	11	12	100
423.003	423.103	15-02/LL 06 RK	6	1/8"	15	9,5	17	8	21	9	12	100
423.004	423.104	15-02/LL 08 RK	8	1/8"	17	11,5	20	8	23	12	14	100
423.010	423.110	15-02/L 06 RK	6	1/8"	19	12,0	20	8	27	12	14	315
423.011	423.111	15-02/L 08 RK	8	1/4"	21	14,0	26	12	29	12	17	315
423.012	423.112	15-02/L 10 RK	10	1/4"	22	15,0	27	12	30	14	19	315
423.013	423.113	15-02/L 12 RK	12	3/8"	24	17,0	28	12	32	17	22	315
423.014	423.114	15-02/L 15 RK	15	1/2"	28	21,0	34	14	36	19	27	315
423.015	423.115	15-02/L 18 RK	18	1/2"	31	23,5	36	14	40	24	32	315
423.020	423.120	15-02/S 06 RK	6	1/4"	23	16,0	26	12	31	12	17	630
423.021	423.121	15-02/S 08 RK	8	1/4"	24	17,0	27	12	32	14	19	630
423.022	423.122	15-02/S 10 RK	10	3/8"	25	17,5	28	12	34	17	22	630
423.023	423.123	15-02/S 12 RK	12	3/8"	29	21,5	28	12	38	17	24	630
423.024	423.124	15-02/S 14 RK	14	1/2"	30	22,0	32	14	40	19	27	630
423.025	423.125	15-02/S 16 RK	16	1/2"	33	24,5	32	14	43	24	30	400

Technische Änderungen vorbehalten.
Measurements may differ.



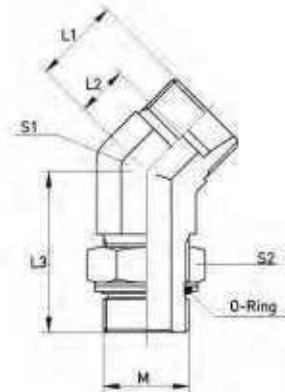
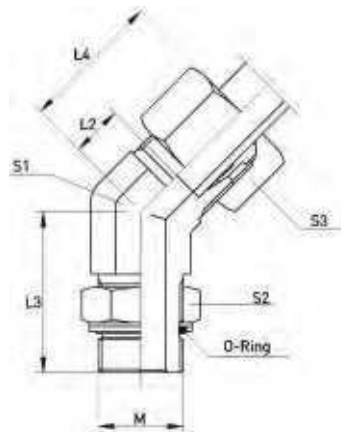
WE-M (KEG) Winkel-Einschraubverschraubung Typ 15-02/.. MK.. / Male stud elbow type 15-02/.. MK..												
Metrisches Einschraubgewinde konisch, Form C DIN 3852 / metric thread, tapered, form C DIN 3852												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	L5	S1	S2	Bar
422.001	422.101	15-02/LL 04 MK	4	8x1,0	15	11,0	17	8	21	9	10	100
422.002	422.102	15-02/LL 05 MK	5	8x1,0	14	9,5	17	8	21	11	12	100
422.003	422.103	15-02/LL 06 MK	6	10x1,0	16	9,5	17	8	21	11	12	100
422.004	422.104	15-02/LL 08 MK	8	10x1,0	16	11,5	20	8	23	12	14	100
422.010	422.110	15-02/L 06 MK	6	10x1,0	19	12,0	20	8	27	12	14	315
422.011	422.111	15-02/L 08 MK	8	12x1,5	24	14,0	26	12	29	12	17	315
422.012	422.112	15-02/L 10 MK	10	14x1,5	22	15,0	27	12	30	14	19	315
422.013	422.113	15-02/L 12 MK	12	16x1,5	24	17,0	28	12	32	17	22	315
422.014	422.114	15-02/L 15 MK	15	18x1,5	28	21,0	32	12	36	19	27	315
422.015	422.115	15-02/L 18 MK	18	22x1,5	31	23,5	36	14	40	24	32	315
422.020	422.120	15-02/S 06 MK	6	12x1,5	23	16,0	26	12	31	12	17	630
422.021	422.121	15-02/S 08 MK	8	14x1,5	24	17,0	27	12	32	14	19	630
422.022	422.122	15-02/S 10 MK	10	16x1,5	25	17,5	28	12	34	17	22	630
422.023	422.123	15-02/S 12 MK	12	18x1,5	29	21,5	28	12	38	17	24	630
422.024	422.124	15-02/S 14 MK	14	20x1,5	30	22,0	32	14	40	19	27	630
422.025	422.125	15-02/S 16 MK	16	22x1,5	33	24,5	32	14	43	24	30	400

Technische Änderungen vorbehalten.
Measurements may differ.



WE- NPT Winkel-Einschraubverschraubung Typ 15-02/.. NPT / Male stud elbow type 15-02/.. NPT												
NPT Einschraubgewinde, konisch Form C DIN 3852 / thread NPT, tapered, form C DIN 3852												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	NPT	L1	L2	L3	L4	L5	S1	S2	Bar
423.601	423.701	15-02/LL 04 NPT	4	1/8"	14	11,0	18	8,0	21	11	10	100
423.602	423.702	15-02/LL 05 NPT	5	1/8"	15	9,5	17	8,0	21	11	12	100
423.603	423.703	15-02/LL 06 NPT	6	1/8"	16	9,5	17	8,0	21	11	12	100
423.604	423.704	15-02/LL 08 NPT	8	1/8"	16	11,5	20	11,0	23	12	14	100
423.610	423.710	15-02/L 06 NPT	6	1/8"	19	12,0	20	10,0	27	12	14	315
423.611	423.711	15-02/L 08 NPT	8	1/4"	21	14,0	26	15,0	29	12	17	315
423.612	423.712	15-02/L 10 NPT	10	1/4"	22	15,0	27	15,0	30	14	19	315
423.613	423.713	15-02/L 12 NPT	12	3/8"	24	17,0	28	15,0	32	17	22	315
423.614	423.714	15-02/L 15 NPT	15	1/2"	28	21,0	34	19,5	36	19	27	315
423.615	423.715	15-02/L 18 NPT	18	1/2"	31	23,5	36	19,5	40	24	32	315
423.616	423.716	15-02/L 22 NPT	22	3/4"	35	27,5	42	20,0	44	27	36	160
423.617	423.717	15-02/L 28 NPT	28	1"	38	30,5	48	25,0	47	36	41	160
423.618	423.718	15-02/L 35 NPT	35	1 1/4"	45	34,5	57	25,5	56	41	50	160
423.619	423.719	15-02/L 42 NPT	42	1 1/2"	51	40,0	61	26,0	63	50	60	160
423.620	423.720	15-02/S 06 NPT	6	1/4"	23	16,0	26	15,0	31	12	17	630
423.621	423.721	15-02/S 08 NPT	8	1/4"	24	17,0	27	15,0	32	14	19	630
423.622	423.722	15-02/S 10 NPT	10	3/8"	25	17,5	28	15,0	34	17	22	630
423.623	423.723	15-02/S 12 NPT	12	3/8"	29	21,5	28	15,0	38	27	24	630
423.624	423.724	15-02/S 14 NPT	14	1/2"	30	22,0	34	19,5	40	19	27	630
423.625	423.725	15-02/S 16 NPT	16	1/2"	33	24,5	36	19,5	43	24	30	400
423.626	423.726	15-02/S 20 NPT	20	3/4"	37	26,5	42	20,0	48	27	36	400
423.627	423.727	15-02/S 25 NPT	25	1"	42	30,0	48	25,0	54	36	46	400
423.628	423.728	15-02/S 30 NPT	30	1 1/4"	49	35,5	57	25,5	62	41	50	400
423.629	423.729	15-02/S 38 NPT	38	1 1/2"	57	41,0	61	26,0	72	50	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



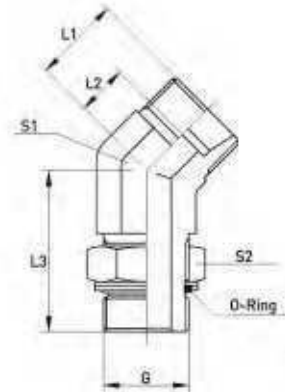
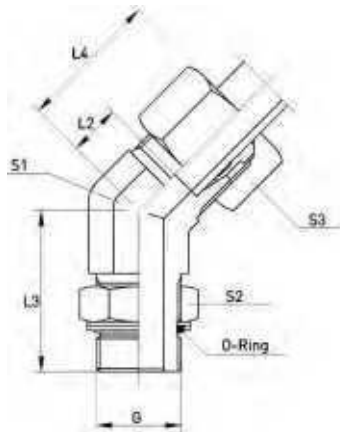
VEE-M 45° Einstellbare Winkelschraubung Typ 15/1-02/.. M.. 45°

Adjustable elbow fitting 45° type 15/1-02/.. M.. 45°

Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / metric thread with o-ring and washer

Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	S1	S2	S3	Bar
425.210	425.310	15/1-02/L06 M 45°	6	10x1,0	16,0	9,0	27	24,0	11	14	14	315
425.211	425.311	15/1-02/L08 M 45°	8	12x1,5	19,0	12,0	27	27,0	14	17	17	315
425.212	425.312	15/1-02/L10 M 45°	10	14x1,5	19,0	12,0	28	27,0	14	19	19	315
425.213	425.313	15/1-02/L12 M 45°	12	16x1,5	21,0	14,0	33	29,0	19	22	22	315
425.214	425.314	15/1-02/L15 M 45°	15	18x1,5	24,0	17,0	36	32,0	22	24	27	315
425.215	425.315	15/1-02/L18 M 45°	18	22x1,5	24,5	17,0	38	33,5	27	27	32	250
425.216	425.316	15/1-02/L22 M 45°	22	27x2,0	26,0	18,5	46	35,0	27	32	36	160
425.217	425.317	15/1-02/L28 M 45°	28	33x2,0	30,5	23,0	46	39,5	33	41	41	160
425.218	425.318	15/1-02/L35 M 45°	35	42x2,0	33,0	22,5	48	44,0	41	50	50	160
425.219	425.319	15/1-02/L42 M 45°	42	48x2,0	37,0	26,0	50	49,0	48	55	60	160
425.220	425.320	15/1-02/S06 M 45°	6	12x1,5	16,0	9,0	27	24,0	14	17	17	315
425.221	425.321	15/1-02/S08 M 45°	8	14x1,5	19,0	12,0	28	27,0	14	19	19	315
425.222	425.322	15/1-02/S10 M 45°	10	16x1,5	20,0	12,5	33	29,0	19	22	22	315
425.223	425.323	15/1-02/S12 M 45°	12	18x1,5	21,0	13,5	33	30,0	19	24	24	315
425.224	425.324	15/1-02/S14 M 45°	14	20x1,5	24,0	16,0	39	34,0	22	27	27	250
425.225	425.325	15/1-02/S16 M 45°	16	22x1,5	24,0	15,5	40	34,0	27	27	30	250
425.226	425.326	15/1-02/S20 M 45°	20	27x2,0	26,5	16,0	46	37,5	27	32	36	250
425.227	425.327	15/1-02/S25 M 45°	25	33x2,0	31,0	19,0	46	43,0	33	41	46	160
425.228	425.328	15/1-02/S30 M 45°	30	42x2,0	35,0	21,5	48	48,0	41	50	50	160
425.229	425.329	15/1-02/S38 M 45°	38	48x2,0	39,0	23,0	50	54,0	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



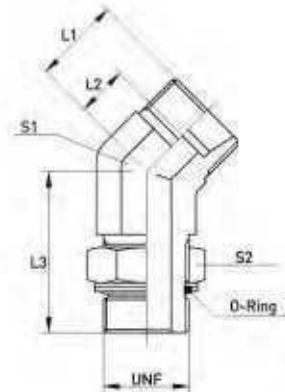
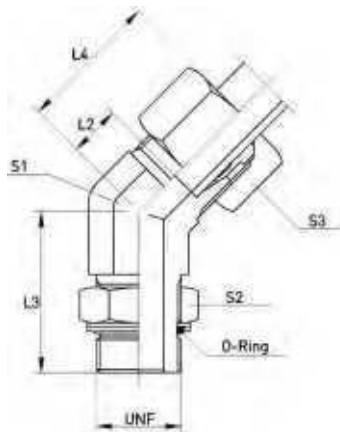
VEE-R 45° Einstellbare Winkelverschraubung Typ 15/1-02/.. G.. 45°

Adjustable elbow fitting 45° type 15/1-02/.. G.. 45°

BSP Einschraubgewinde mit O-Ring und Unterlegscheibe / BSP thread with o-ring and washer

Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	S3	Bar
425.240	425.340	15/1-02/L06 G 45°	6	1/8"	16,0	9,0	26,0	24,0	11	14	14	315
425.241	425.341	15/1-02/L08 G 45°	8	1/4"	19,0	12,0	29,0	27,0	14	19	17	315
425.242	425.342	15/1-02/L10 G 45°	10	1/4"	19,0	12,0	29,0	27,0	14	19	19	315
425.243	425.343	15/1-02/L12 G 45°	12	3/8"	21,0	14,0	33,0	29,0	19	22	22	250
425.244	425.344	15/1-02/L15 G 45°	15	1/2"	24,0	17,0	38,5	32,0	22	27	27	250
425.245	425.345	15/1-02/L18 G 45°	18	1/2"	24,5	17,0	38,5	33,5	27	27	32	250
425.246	425.346	15/1-02/L22 G 45°	22	3/4"	26,0	18,5	44,0	35,0	27	36	36	160
425.247	425.347	15/1-02/L28 G 45°	28	1"	30,5	23,0	47,0	39,5	33	41	41	160
425.248	425.348	15/1-02/L35 G 45°	35	1 1/4"	33,0	22,5	48,0	44,0	41	50	50	160
425.249	425.349	15/1-02/L42 G 45°	42	1 1/2"	37,0	26,0	48,0	49,0	48	55	60	160
425.250	425.350	15/1-02/S06 G 45°	6	1/4"	16,0	9,0	29,0	24,0	14	19	17	315
425.251	425.351	15/1-02/S08 G 45°	8	1/4"	19,0	12,0	29,0	27,0	14	19	19	315
425.252	425.352	15/1-02/S10 G 45°	10	3/8"	20,0	12,5	33,0	29,0	19	22	22	250
425.253	425.353	15/1-02/S12 G 45°	12	3/8"	21,0	13,5	33,0	30,0	19	22	24	250
425.254	425.354	15/1-02/S14 G 45°	14	1/2"	24,0	16,0	38,5	34,0	22	27	27	250
425.255	425.355	15/1-02/S16 G 45°	16	1/2"	24,0	15,5	38,5	34,0	27	27	30	250
425.256	425.356	15/1-02/S20 G 45°	20	3/4"	26,5	16,0	44,0	37,5	27	36	36	250
425.257	425.357	15/1-02/S25 G 45°	25	1"	31,0	19,0	47,0	43,0	33	41	46	200
425.258	425.358	15/1-02/S30 G 45°	30	1 1/4"	35,0	21,5	48,0	48,0	41	50	50	200
425.259	425.359	15/1-02/S38 G 45°	38	1 1/2"	39,0	23,0	48,0	54,0	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



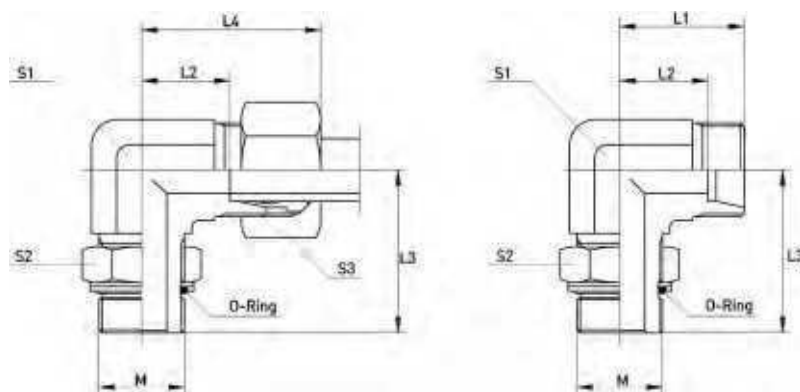
VEE-UNF 45° Einstellbare Winkelverschraubung Typ 15/1-02/.. U.. 45° /

Adjustable elbow fitting 45° type 15/1-02/.. U..

UNF Einschraubgewinde mit O-Ring und Unterlegscheibe / UNF thread with o-ring and washer

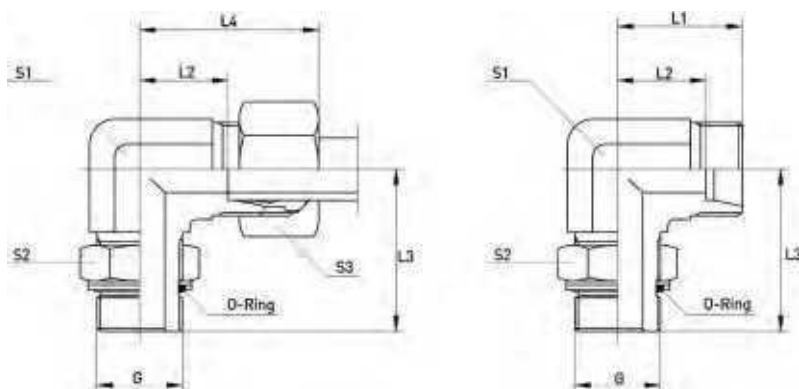
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	UNF	L1	L2	L3	L4	S1	S2	S3	Bar
425.270	425.370	15/1-02/L06 U45°	6	7/16"-20	16,0	9,0	26,5	24,0	11	14	14	315
425.271	425.371	15/1-02/L08 U45°	8	7/16"-20	19,0	12,0	26,5	27,0	14	14	17	315
425.272	425.372	15/1-02/L10 U45°	10	9/16"-18	19,0	12,0	29,0	27,0	14	17	19	315
425.273	425.373	15/1-02/L12 U45°	12	3/4"-16	21,0	14,0	33,0	29,0	19	22	22	315
425.274	425.374	15/1-02/L15 U45°	15	7/8"-14	24,0	17,0	39,0	32,0	22	27	27	315
425.275	425.375	15/1-02/L18 U45°	18	7/8"-14	24,5	17,0	39,0	33,5	27	27	32	315
425.276	425.376	15/1-02/L22 U45°	22	1 1/16"-12	26,0	18,5	44,0	35,0	27	32	36	160
425.277	425.377	15/1-02/L28 U45°	28	1 5/16"-12	30,5	23,0	47,0	39,5	33	41	41	160
425.278	425.378	15/1-02/L35 U45°	35	1 5/8"-12	33,0	22,5	48,0	44,0	41	50	50	160
425.279	425.379	15/1-02/L42 U45°	42	1 7/8"-12	37,0	26,0	48,5	49,0	48	55	60	160
425.280	425.380	15/1-02/S06 U45°	6	7/16"-20	16,0	9,0	27,0	24,0	14	14	17	400
425.281	425.381	15/1-02/S08 U45°	8	9/16"-18	19,0	12,0	30,0	27,0	14	17	19	400
425.282	425.382	15/1-02/S10 U45°	10	9/16"-18	20,0	12,5	34,0	29,0	19	17	22	400
425.283	425.383	15/1-02/S12 U45°	12	3/4"-16	21,0	13,5	34,0	30,0	19	22	24	400
425.284	425.384	15/1-02/S14 U45°	14	7/8"-14	24,0	16,0	39,0	34,0	22	27	27	400
425.285	425.385	15/1-02/S16 U45°	16	7/8"-14	24,0	15,5	39,0	34,0	27	27	30	400
425.286	425.386	15/1-02/S20 U45°	20	1 1/16"-12	26,5	16,0	44,0	37,5	27	32	36	400
425.287	425.387	15/1-02/S25 U45°	25	1 5/16"-12	31,0	19,0	47,0	43,0	33	41	46	400
425.288	425.388	15/1-02/S30 U45°	30	1 5/8"-12	35,0	21,5	48,0	48,0	41	50	50	315
425.289	425.389	15/1-02/S38 U45°	38	1 7/8"-12	39,0	23,0	50,0	54,0	48	55	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



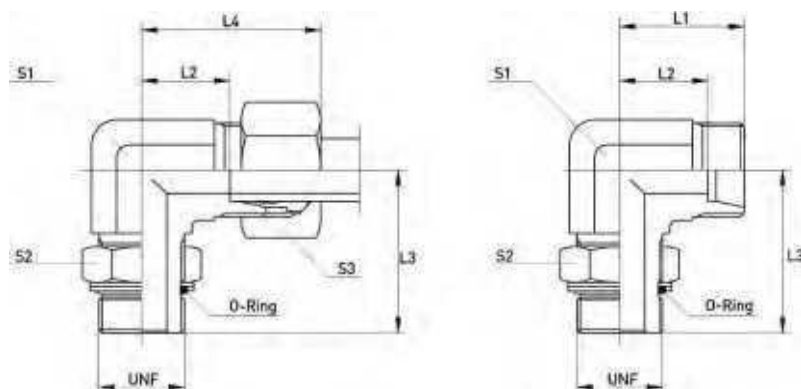
WEE-M 90° Einstellbare Winkelverschraubung Typ 15/1-02/.. M.. 90° / Adjustable elbow fitting 90° type 15/1-02/.. M.. 90° Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / Metric thread with o-ring and washer												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	S1	S2	S3	Bar
425.010	425.110	15/1-02/L06 M 90°	6	10x1,0	19	12,0	27,0	27	11	14	14	315
425.011	425.111	15/1-02/L08 M 90°	8	12x1,5	21	14,0	31,0	29	14	17	17	315
425.012	425.112	15/1-02/L10 M 90°	10	14x1,5	22	15,0	33,0	30	14	19	19	315
425.013	425.113	15/1-02/L12 M 90°	12	16x1,5	24	17,0	38,0	32	19	22	22	250
425.014	425.114	15/1-02/L15 M 90°	15	18x1,5	28	21,0	40,0	36	22	24	27	250
425.015	425.115	15/1-02/L18 M 90°	18	22x1,5	31	23,5	46,0	40	27	27	32	250
425.016	425.116	15/1-02/L22 M 90°	22	27x2,0	35	27,5	50,5	44	27	32	36	160
425.017	425.117	15/1-02/L28 M 90°	28	33x2,0	38	30,5	52,5	47	33	41	41	160
425.018	425.118	15/1-02/L35 M 90°	35	42x2,0	45	34,5	58,0	56	41	50	50	160
425.019	425.119	15/1-02/L42 M 90°	42	48x2,0	51	40,0	63,0	63	48	55	60	160
425.020	425.120	15/1-02/S06 M 90°	6	12x1,5	23	16,0	31,0	31	14	17	17	315
425.021	425.121	15/1-02/S08 M 90°	8	14x1,5	24	17,0	33,0	32	14	19	19	315
425.022	425.122	15/1-02/S10 M 90°	10	16x1,5	25	17,5	38,0	34	19	22	22	250
425.023	425.123	15/1-02/S12 M 90°	12	18x1,5	29	21,5	38,0	38	19	24	24	250
425.024	425.124	15/1-02/S14 M 90°	14	20x1,5	30	22,0	44,0	40	22	27	27	250
425.025	425.125	15/1-02/S16 M 90°	16	22x1,5	33	24,5	48,0	43	27	27	30	250
425.026	425.126	15/1-02/S20 M 90°	20	27x2,0	37	26,5	50,5	48	27	32	36	250
425.027	425.127	15/1-02/S25 M 90°	25	33x2,0	42	30,0	52,5	54	33	41	46	200
425.028	425.128	15/1-02/S30 M 90°	30	42x2,0	49	35,5	58,0	62	41	50	50	200
425.029	425.129	15/1-02/S38 M 90°	38	48x2,0	57	41,0	63,0	72	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



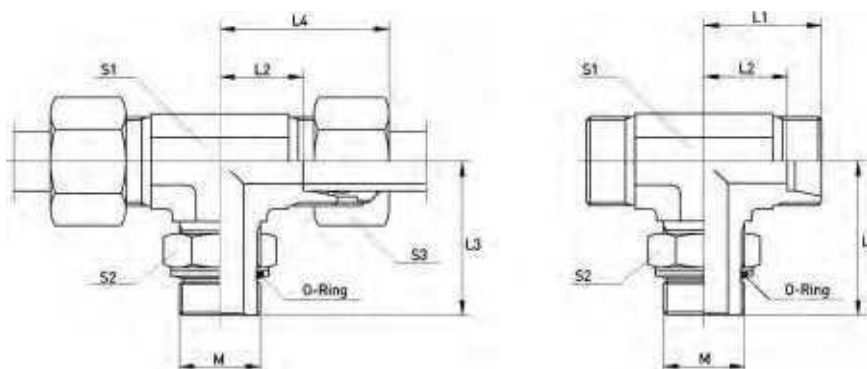
WEE-R 90° Einstellbare Winkelverschraubung Typ 15/1-02/.. G.. 90° / Adjustable elbow fitting 90° type 15/1-02/.. G.. 90° BSP Einschraubgewinde mit O-Ring und Unterlegscheibe / BSP thread with o-ring and washer													
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	S3	Bar	
425.040	425.140	15/1-02/L06 G 90°	6	1/8"	19	12,0	26	27	11	14	14	315	
425.041	425.141	15/1-02/L08 G 90°	8	1/4"	21	14,0	32	29	14	19	17	315	
425.042	425.142	15/1-02/L10 G 90°	10	1/4"	22	15,0	32	30	14	19	19	315	
425.043	425.143	15/1-02/L12 G 90°	12	3/8"	24	17,0	37	32	19	22	22	250	
425.044	425.144	15/1-02/L15 G 90°	15	1/2"	28	21,0	44	36	22	27	27	250	
425.045	425.145	15/1-02/L18 G 90°	18	1/2"	31	23,5	47	40	27	27	32	250	
425.046	425.146	15/1-02/L22 G 90°	22	3/4"	35	27,5	51	44	27	36	36	160	
425.047	425.147	15/1-02/L28 G 90°	28	1"	38	30,5	53	47	33	41	41	160	
425.048	425.148	15/1-02/L35 G 90°	35	1 1/4"	45	34,5	59	56	41	50	50	160	
425.049	425.149	15/1-02/L42 G 90°	42	1 1/2"	51	40,0	64	63	48	55	60	160	
425.050	425.150	15/1-02/S06 G 90°	6	1/4"	23	16,0	32	31	14	19	17	315	
425.051	425.151	15/1-02/S08 G 90°	8	1/4"	24	17,0	32	32	14	19	19	315	
425.052	425.152	15/1-02/S10 G 90°	10	3/8"	25	17,5	37	34	19	22	22	250	
425.053	425.153	15/1-02/S12 G 90°	12	3/8"	29	21,5	37	38	19	22	24	250	
425.054	425.154	15/1-02/S14 G 90°	14	1/2"	30	22,0	44	40	22	27	27	250	
425.055	425.155	15/1-02/S16 G 90°	16	1/2"	33	24,5	47	43	27	27	30	250	
425.056	425.156	15/1-02/S20 G 90°	20	3/4"	37	26,5	51	48	27	36	36	250	
425.057	425.157	15/1-02/S25 G 90°	25	1"	42	30,0	53	54	33	41	46	200	
425.058	425.158	15/1-02/S30 G 90°	30	1 1/4"	49	35,5	59	62	41	50	50	200	
425.059	425.159	15/1-02/S38 G 90°	38	1 1/2"	57	41,0	64	72	48	55	60	160	

Technische Änderungen vorbehalten.
Measurements may differ.



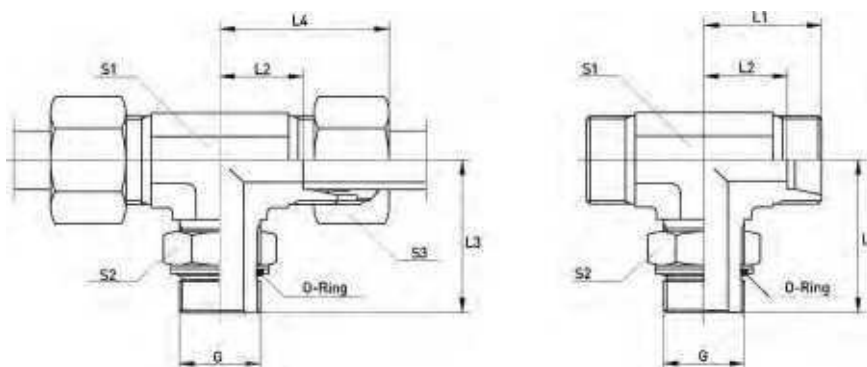
WEE-UNF 90° Einstellbare Winkelverschraubung Typ 15/1-02/.. U.. 90° / Adjustable elbow fitting 90° type 15/1-02/.. U.. 90° UNF Einschraubgewinde mit O-Ring und Unterlegscheibe / UNF thread with o-ring and washer													
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	UNF	L1	L2	L3	L4	S1	S2	S3	Bar	
425.070	425.170	15/1-02/L06 U90°	6	7/16"-20	19	12,0	27,0	27	11	14	14	315	
425.071	425.171	15/1-02/L08 U90°	8	7/16"-20	21	14,0	28,0	29	14	14	17	315	
425.072	425.172	15/1-02/L10 U90°	10	9/16"-18	22	15,0	32,0	30	14	17	19	315	
425.073	425.173	15/1-02/L12 U90°	12	3/4"-16	24	17,0	37,0	32	19	22	22	315	
425.074	425.174	15/1-02/L15 U90°	15	7/8"-14	28	21,0	43,0	36	22	27	27	315	
425.075	425.175	15/1-02/L18 U90°	18	7/8"-14	31	23,5	47,0	40	27	27	32	315	
425.076	425.176	15/1-02/L22 U90°	22	1 1/16"-12	35	27,5	49,5	44	27	32	36	160	
425.077	425.177	15/1-02/L28 U90°	28	1 5/16"-12	38	30,5	52,0	47	33	41	41	160	
425.078	425.178	15/1-02/L35 U90°	35	1 5/8"-12	45	34,5	58,0	56	41	50	50	160	
425.079	425.179	15/1-02/L42 U90°	42	1 7/8"-12	51	40,0	60,0	63	48	55	60	160	
425.080	425.180	15/1-02/S06 U90°	6	7/16"-20	23	16,0	29,0	31	14	14	17	400	
425.081	425.181	15/1-02/S08 U90°	8	9/16"-18	24	17,0	33,0	32	14	17	19	400	
425.082	425.182	15/1-02/S10 U90°	10	9/16"-18	25	17,5	37,5	34	19	17	22	400	
425.083	425.183	15/1-02/S12 U90°	12	3/4"-16	29	21,5	38,0	38	19	22	24	400	
425.084	425.184	15/1-02/S14 U90°	14	7/8"-14	30	22,0	44,0	40	22	27	27	400	
425.085	425.185	15/1-02/S16 U90°	16	7/8"-14	33	24,5	48,0	43	27	27	30	400	
425.086	425.186	15/1-02/S20 U90°	20	1 1/16"-12	37	26,5	51,0	48	27	32	36	400	
425.087	425.187	15/1-02/S25 U90°	25	1 5/16"-12	42	30,0	53,0	54	33	41	46	400	
425.088	425.188	15/1-02/S30 U90°	30	1 5/8"-12	49	35,5	59,0	62	41	50	50	250	
425.089	425.189	15/1-02/S38 U90°	38	1 7/8"-12	57	41,0	62,0	72	48	55	60	250	

Technische Änderungen vorbehalten.
Measurements may differ.



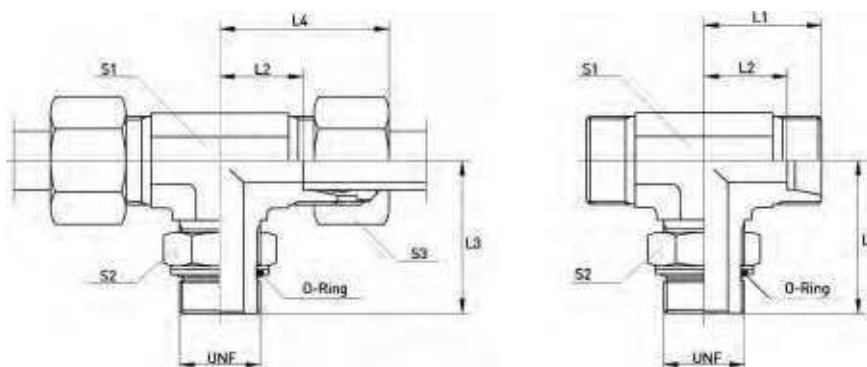
TEE-M Einstellbare T-Verschraubung Typ 15/1-03/.. M.. / Adjustable tee fitting type 15/1-03/.. M.. Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / Metric thread with o-ring and washer.												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	S1	S2	S3	Bar
425.410	425.510	15/1-03/L06 M	6	10x1,0	19	12,0	27,0	27	11	14	14	315
425.411	425.511	15/1-03/L08 M	8	12x1,5	21	14,0	31,0	29	14	17	17	315
425.412	425.512	15/1-03/L10 M	10	14x1,5	22	15,0	33,0	30	14	19	19	315
425.413	425.513	15/1-03/L12 M	12	16x1,5	24	17,0	38,0	32	19	22	22	315
425.414	425.514	15/1-03/L15 M	15	18x1,5	28	21,0	40,0	36	22	24	27	315
425.415	425.515	15/1-03/L18 M	18	22x1,5	31	23,5	46,0	40	27	27	32	250
425.416	425.516	15/1-03/L22 M	22	27x2,0	35	27,5	50,5	44	27	32	36	160
425.417	425.517	15/1-03/L28 M	28	33x2,0	38	30,5	52,5	47	33	41	41	160
425.418	425.518	15/1-03/L35 M	35	42x2,0	45	34,5	58,0	56	41	50	50	160
425.419	425.519	15/1-03/L42 M	42	48x2,0	51	40,0	63,0	63	48	55	60	160
425.420	425.520	15/1-03/S06 M	6	12x1,5	23	16,0	31,0	31	14	17	17	315
425.421	425.521	15/1-03/S08 M	8	14x1,5	24	17,0	33,0	32	14	19	19	315
425.422	425.522	15/1-03/S10 M	10	16x1,5	25	17,5	38,0	34	19	22	22	315
425.423	425.523	15/1-03/S12 M	12	18x1,5	29	21,5	38,0	38	19	24	24	315
425.424	425.524	15/1-03/S14 M	14	20x1,5	30	22,0	44,0	40	22	27	27	250
425.425	425.525	15/1-03/S16 M	16	22x1,5	33	24,5	48,0	43	27	27	30	250
425.426	425.526	15/1-03/S20 M	20	27x2,0	37	26,5	50,5	48	27	32	36	250
425.427	425.527	15/1-03/S25 M	25	33x2,0	42	30,0	52,5	54	33	41	46	160
425.428	425.528	15/1-03/S30 M	30	42x2,0	49	35,5	58,0	62	41	50	50	160
425.429	425.529	15/1-03/S38 M	38	48x2,0	57	41,0	63,0	72	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



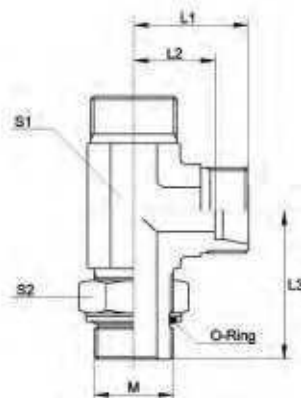
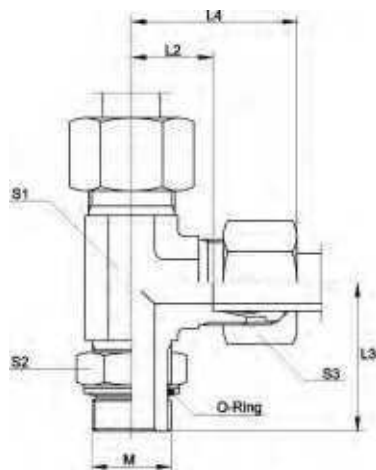
TEE-R Einstellbare T-Verschraubung Typ 15/1-03/.. G.. / Adjustable tee fitting type 15/1-03/.. G.. BSP Einschraubgewinde mit O-Ring und Unterlegscheibe / BSP thread with o-ring and washer												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	S3	Bar
425.440	425.540	15/1-03/L06 G	6	1/8"	19	12,0	26	27	11	14	14	315
425.441	425.541	15/1-03/L08 G	8	1/4"	21	14,0	32	29	14	19	17	315
425.442	425.542	15/1-03/L10 G	10	1/4"	22	15,0	32	30	14	19	19	315
425.443	425.543	15/1-03/L12 G	12	3/8"	24	17,0	37	32	19	22	22	250
425.444	425.544	15/1-03/L15 G	15	1/2"	28	21,0	44	36	22	27	27	250
425.445	425.545	15/1-03/L18 G	18	1/2"	31	23,5	47	40	27	27	32	250
425.446	425.546	15/1-03/L22 G	22	3/4"	35	27,5	51	44	27	36	36	160
425.447	425.547	15/1-03/L28 G	28	1"	38	30,5	53	47	33	41	41	160
425.448	425.548	15/1-03/L35 G	35	1 1/4"	45	34,5	59	56	41	50	50	160
425.449	425.549	15/1-03/L42 G	42	1 1/2"	51	40,0	64	63	48	55	60	160
425.450	425.550	15/1-03/S06 G	6	1/4"	23	16,0	32	31	14	19	17	315
425.451	425.551	15/1-03/S08 G	8	1/4"	24	17,0	32	32	14	19	19	315
425.452	425.552	15/1-03/S10 G	10	3/8"	25	17,5	37	34	19	22	22	250
425.453	425.553	15/1-03/S12 G	12	3/8"	29	21,5	37	38	19	22	24	250
425.454	425.554	15/1-03/S14 G	14	1/2"	30	22,0	44	40	22	27	27	250
425.455	425.555	15/1-03/S16 G	16	1/2"	33	24,5	47	43	27	27	30	250
425.456	425.556	15/1-03/S20 G	20	3/4"	37	26,5	51	48	27	36	36	250
425.457	425.557	15/1-03/S25 G	25	1"	42	30,0	53	54	33	41	46	200
425.458	425.558	15/1-03/S30 G	30	1 1/4"	49	35,5	59	62	41	50	50	200
425.459	425.559	15/1-03/S38 G	38	1 1/2"	57	41,0	64	72	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



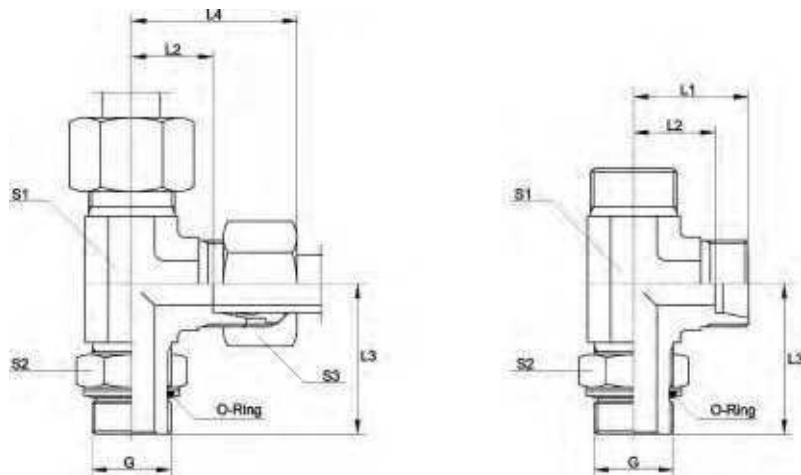
TEE-UNF Einstellbare T-Verschraubung Typ 15/1-03/..U.. / Adjustable tee fitting type 15/1-03/.. U.. UNF Einschraubgewinde mit O-Ring und Unterlegscheibe / UNF thread with o-ring and washer												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	UNF	L1	L2	L3	L4	S1	S2	S3	Bar
425.470	425.570	15/1-03/L06 U	6	7/16"-20	19	12,0	27,0	27	11	14	14	315
425.471	425.571	15/1-03/L08 U	8	7/16"-20	21	14,0	28,0	29	14	14	17	315
425.472	425.572	15/1-03/L10 U	10	9/16"-18	22	15,0	32,0	30	14	17	19	315
425.473	425.573	15/1-03/L12 U	12	3/4"-16	24	17,0	37,0	32	19	22	22	315
425.474	425.574	15/1-03/L15 U	15	7/8"-14	28	21,0	43,0	36	22	27	27	315
425.475	425.575	15/1-03/L18 U	18	7/8"-14	31	23,5	47,0	40	27	27	32	315
425.476	425.576	15/1-03/L22 U	22	1 1/16"-12	35	27,5	49,5	44	27	32	36	160
425.477	425.577	15/1-03/L28 U	28	1 5/16"-12	38	30,5	52,0	47	33	41	41	160
425.478	425.578	15/1-03/L35 U	35	1 5/8"-12	45	34,5	58,0	56	41	50	50	160
425.479	425.579	15/1-03/L42 U	42	1 7/8"-12	51	40,0	60,0	63	48	55	60	160
425.480	425.580	15/1-03/S06 U	6	7/16"-20	23	16,0	29,0	31	14	14	17	400
425.481	425.581	15/1-03/S08 U	8	9/16"-18	24	17,0	33,0	32	14	17	19	400
425.482	425.582	15/1-03/S10 U	10	9/16"-18	25	17,5	37,5	34	19	17	22	400
425.483	425.583	15/1-03/S12 U	12	3/4"-16	29	21,5	38,0	38	19	22	24	400
425.484	425.584	15/1-03/S14 U	14	7/8"-14	30	22,0	44,0	40	22	27	27	400
425.485	425.585	15/1-03/S16 U	16	7/8"-14	33	24,5	48,0	43	27	27	30	400
425.486	425.586	15/1-03/S20 U	20	1 1/16"-12	37	26,5	51,0	48	27	32	36	400
425.487	425.587	15/1-03/S25 U	25	1 5/16"-12	42	30,0	53,0	54	33	41	46	400
425.488	425.588	15/1-03/S30 U	30	1 5/8"-12	49	35,5	59,0	62	41	50	50	250
425.489	425.589	15/1-03/S38 U	38	1 7/8"-12	57	41,0	62,0	72	48	55	60	250

Technische Änderungen vorbehalten.
Measurements may differ.



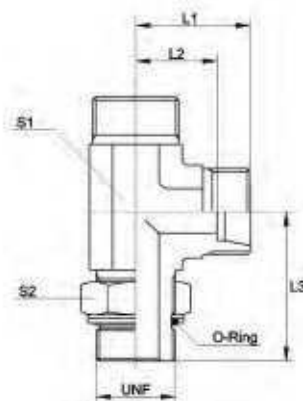
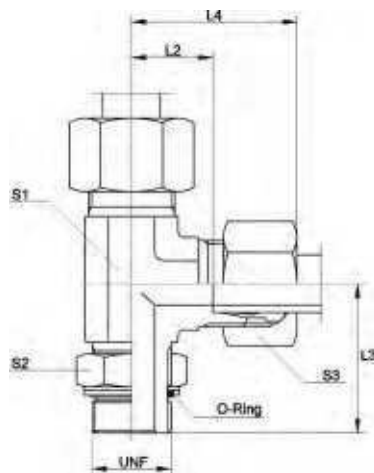
LEE-M Einstellbare L-Verschraubung Typ 15/1-04/.. M.. / Adjustable L fitting type 15/1-04/.. M..												
Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / Metric thread with o-ring and washer.												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	M	L1	L2	L3	L4	S1	S2	S3	Bar
425.610	425.710	15/1-04/L06 M	6	10x1,0	19	12,0	27,0	27	11	14	14	315
425.611	425.711	15/1-04/L08 M	8	12x1,5	21	14,0	31,0	29	14	17	17	315
425.612	425.712	15/1-04/L10 M	10	14x1,5	22	15,0	33,0	30	14	19	19	315
425.613	425.713	15/1-04/L12 M	12	16x1,5	24	17,0	38,0	32	19	22	22	315
425.614	425.714	15/1-04/L15 M	15	18x1,5	28	21,0	40,0	36	22	24	27	315
425.615	425.715	15/1-04/L18 M	18	22x1,5	31	23,5	46,0	40	27	27	32	250
425.616	425.716	15/1-04/L22 M	22	27x2,0	35	27,5	50,5	44	27	32	36	160
425.617	425.717	15/1-04/L28 M	28	33x2,0	38	30,5	52,5	47	33	41	41	160
425.618	425.718	15/1-04/L35 M	35	42x2,0	45	34,5	58,0	56	41	50	50	160
425.619	425.719	15/1-04/L42 M	42	48x2,0	51	40,0	63,0	63	48	55	60	160
425.620	425.720	15/1-04/S06 M	6	12x1,5	23	16,0	31,0	31	14	17	17	315
425.621	425.721	15/1-04/S08 M	8	14x1,5	24	17,0	33,0	32	14	19	19	315
425.622	425.722	15/1-04/S10 M	10	16x1,5	25	17,5	38,0	34	19	22	22	315
425.623	425.723	15/1-04/S12 M	12	18x1,5	29	21,5	38,0	38	19	24	24	315
425.624	425.724	15/1-04/S14 M	14	20x1,5	30	22,0	44,0	40	22	27	27	250
425.625	425.725	15/1-04/S16 M	16	22x1,5	33	24,5	48,0	43	27	27	30	250
425.626	425.726	15/1-04/S20 M	20	27x2,0	37	26,5	50,5	48	27	32	36	250
425.627	425.727	15/1-04/S25 M	25	33x2,0	42	30,0	52,5	54	33	41	46	160
425.628	425.728	15/1-04/S30 M	30	42x2,0	49	35,5	58,0	62	41	50	50	160
425.629	425.729	15/1-04/S38 M	38	48x2,0	57	41,0	63,0	72	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



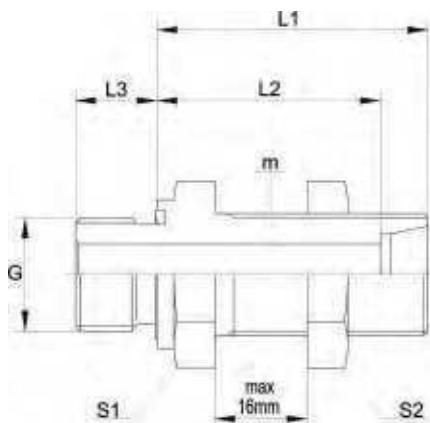
LEE-R Einstellbare L-Verschraubung Typ 15/1-04/.. G.. / Adjustable L fitting type 15/1-04/.. G..												
BSP Einschraubgewinde mit O-Ring und Unterlegscheibe /BSP thread with o-ring and washer												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	G	L1	L2	L3	L4	S1	S2	S3	Bar
425.640	425.740	15/1-04/L06 G	6	1/8"	19	12,0	26	27	11	14	14	315
425.641	425.741	15/1-04/L08 G	8	1/4"	21	14,0	32	29	14	19	17	315
425.642	425.742	15/1-04/L10 G	10	1/4"	22	15,0	32	30	14	19	19	315
425.643	425.743	15/1-04/L12 G	12	3/8"	24	17,0	37	32	19	22	22	250
425.644	425.744	15/1-04/L15 G	15	1/2"	28	21,0	44	36	22	27	27	250
425.645	425.745	15/1-04/L18 G	18	1/2"	31	23,5	47	40	27	27	32	250
425.646	425.746	15/1-04/L22 G	22	3/4"	35	27,5	51	44	27	36	36	160
425.647	425.747	15/1-04/L28 G	28	1"	38	30,5	53	47	33	41	41	160
425.648	425.748	15/1-04/L35 G	35	1 1/4"	45	34,5	59	56	41	50	50	160
425.649	425.749	15/1-04/L42 G	42	1 1/2"	51	40,0	64	63	48	55	60	160
425.650	425.750	15/1-04/S06 G	6	1/4"	23	16,0	32	31	14	19	17	315
425.651	425.751	15/1-04/S08 G	8	1/4"	24	17,0	32	32	14	19	19	315
425.652	425.752	15/1-04/S10 G	10	3/8"	25	17,5	37	34	19	22	22	250
425.653	425.753	15/1-04/S12 G	12	3/8"	29	21,5	37	38	19	22	24	250
425.654	425.754	15/1-04/S14 G	14	1/2"	30	22,0	44	40	22	27	27	250
425.655	425.755	15/1-04/S16 G	16	1/2"	33	24,5	47	43	27	27	30	250
425.656	425.756	15/1-04/S20 G	20	3/4"	37	26,5	51	48	27	36	36	250
425.657	425.757	15/1-04/S25 G	25	1"	42	30,0	53	54	33	41	46	200
425.658	425.758	15/1-04/S30 G	30	1 1/4"	49	35,5	59	62	41	50	50	200
425.659	425.759	15/1-04/S38 G	38	1 1/2"	57	41,0	64	72	48	55	60	160

Technische Änderungen vorbehalten.
Measurements may differ.



LEE-UNF Einstellbare L-Verschraubung Typ 15/1-04/.. U.. / Adjustable L fitting type 15/1-04/.. U..												
UNF Einschraubgewinde mit O-Ring und Unterlegscheibe / UNF thread with o-ring and washer												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	UNF	L1	L2	L3	L4	S1	S2	S3	Bar
425.670	425.770	15/1-04/L06 U	6	7/16"-20	19	12,0	27,0	27	11	14	14	315
425.671	425.771	15/1-04/L08 U	8	7/16"-20	21	14,0	28,0	29	14	14	17	315
425.672	425.772	15/1-04/L10 U	10	9/16"-18	22	15,0	32,0	30	14	17	19	315
425.673	425.773	15/1-04/L12 U	12	3/4"-16	24	17,0	37,0	32	19	22	22	315
425.674	425.774	15/1-04/L15 U	15	7/8"-14	28	21,0	43,0	36	22	27	27	315
425.675	425.775	15/1-04/L18 U	18	7/8"-14	31	23,5	47,0	40	27	27	32	315
425.676	425.776	15/1-04/L22 U	22	1 1/16"-12	35	27,5	49,5	44	27	32	36	160
425.677	425.777	15/1-04/L28 U	28	1 5/16"-12	38	30,5	52,0	47	33	41	41	160
425.678	425.778	15/1-04/L35 U	35	1 5/8"-12	45	34,5	58,0	56	41	50	50	160
425.679	425.779	15/1-04/L42 U	42	1 7/8"-12	51	40,0	60,0	63	48	55	60	160
425.680	425.780	15/1-04/S06 U	6	7/16"-20	23	16,0	29,0	31	14	14	17	400
425.681	425.781	15/1-04/S08 U	8	9/16"-18	24	17,0	33,0	32	14	17	19	400
425.682	425.782	15/1-04/S10 U	10	9/16"-18	25	17,5	37,5	34	19	17	22	400
425.683	425.783	15/1-04/S12 U	12	3/4"-16	29	21,5	38,0	38	19	22	24	400
425.684	425.784	15/1-04/S14 U	14	7/8"-14	30	22,0	44,0	40	22	27	27	400
425.685	425.785	15/1-04/S16 U	16	7/8"-14	33	24,5	48,0	43	27	27	30	400
425.686	425.786	15/1-04/S20 U	20	1 1/16"-12	37	26,5	51,0	48	27	32	36	400
425.687	425.787	15/1-04/S25 U	25	1 5/16"-12	42	30,0	53,0	54	33	41	46	400
425.688	425.788	15/1-04/S30 U	30	1 5/8"-12	49	35,5	59,0	62	41	50	50	250
425.689	425.789	15/1-04/S38 U	38	1 7/8"-12	57	41,0	62,0	72	48	55	60	250

Technische Änderungen vorbehalten.
Measurements may differ.



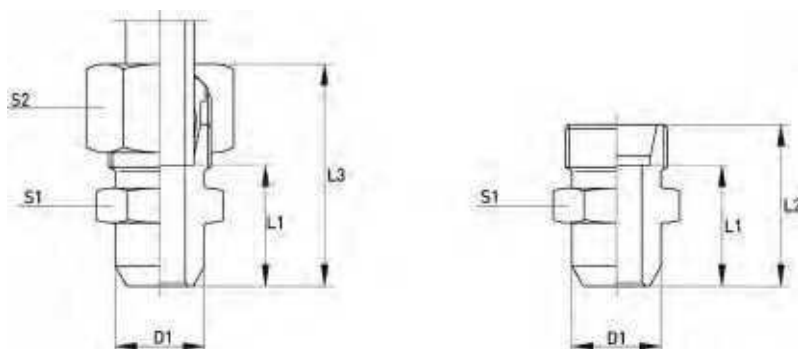
Einschraub-Schottadapter Typ 15-220/..

Zölliges Einschraubgewinde, parallel, Form E

Art.Nr.	Bezeichnung Description	Rohr AD Tube OD	G	Gewinde m Thread m	L1	L2	L3	S1	S2	S3	Bar
122.750	15-220/L06 GD1/8"	6	1/8"	12x1,5	39,5	32,5	8	17	17	14	315
122.800	15-220/L08 GD1/4"	8	1/4"	14x1,5	41,0	34,0	12	19	19	17	315
122.801	15-220/L10 GD1/4"	10	1/4"	16x1,5	43,0	36,0	12	22	22	19	315
122.803	15-220/L12 GD3/8"	12	3/8"	18x1,5	44,5	37,5	12	24	24	22	315
122.808	15-220/L15 GD1/2"	15	1/2"	22x1,5	48,0	41,0	14	27	30	27	315
122.810	15-220/L18 GD1/2"	18	1/2"	26x1,5	52,0	44,5	14	32	36	32	315
122.815	15-220/L22 GD3/4"	22	3/4"	30x2,0	55,0	47,5	16	36	41	36	160
122.825	15-220/L28 GD1"	28	1"	36x2,0	58,0	50,5	18	41	46	41	160
122.828	15-220/L35 GD1 1/4"	35	1 1/4"	45x2,0	63,0	52,5	20	50	55	50	160
122.761	15-220/L42 GD1 1/2"	42	1 1/2"	52x2,0	64,0	53,0	22	60	65	60	160
122.798	15-220/S06 GD1/4"	6	1/4"	14x1,5	45,0	38,0	12	19	19	17	630
122.799	15-220/S08 GD1/4"	8	1/4"	16x1,5	46,0	39,0	12	22	22	19	630
122.823	15-220/S10 GD3/8"	10	3/8"	18x1,5	49,0	41,5	12	24	24	22	630
122.824	15-220/S12 GD3/8"	12	3/8"	20x1,5	50,0	42,5	12	27	27	24	630
122.819	15-220/S14 GD1/2"	14	1/2"	22x1,5	54,0	46,0	14	30	30	27	630
122.809	15-220/S16 GD1/2"	16	1/2"	24x1,5	54,0	45,5	14	32	32	30	400
122.814	15-220/S20 GD3/4"	20	3/4"	30x2,0	59,0	48,5	16	41	41	36	400
122.818	15-220/S25 GD1"	25	1"	36x2,0	64,0	52,0	18	46	46	46	400
122.827	15-220/S30 GD1 1/4"	30	1 1/4"	42x2,0	69,0	55,5	20	50	50	50	400
122.775	15-220/S38 GD1 1/2"	38	1 1/2"	52x2,0	72,0	56,0	22	60	65	60	315

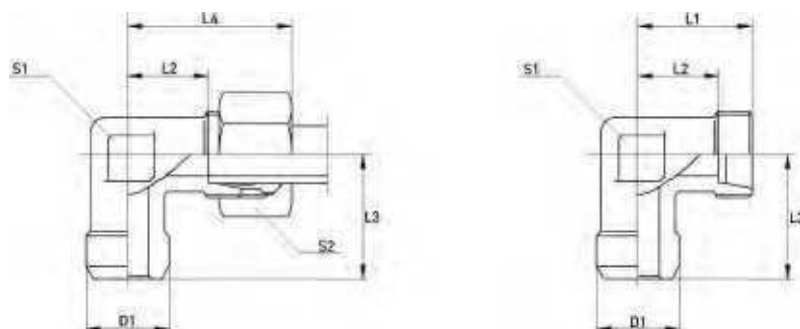
Weitere Größen auf Anfrage / Further sizes on request

Technische Änderungen vorbehalten.
Measurements may differ.



AS Anschweißverschraubung Typ 15-20/... / Butt-weld straight coupling type 15-20 Werkstoff C 15 / material C15										
Art. Nr. Komplett	Art. Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	D1	L1	L2	L3	S1	S2	Bar
445.010	445.110	15-20/L 06	6	10	14,0	21	29	12	14	315
445.011	445.111	15-20/L 08	8	12	16,0	23	31	14	17	315
445.012	445.112	15-20/L 10	10	14	18,0	25	33	17	19	315
445.013	445.113	15-20/L 12	12	16	18,0	25	33	19	22	315
445.014	445.114	15-20/L 15	15	19	22,0	29	37	22	27	315
445.015	445.115	15-20/L 18	18	22	23,5	31	40	27	32	315
445.016	445.116	15-20/L 22	22	27	28,5	36	45	32	36	160
445.017	445.117	15-20/L 28	28	32	30,5	38	47	41	41	160
445.018	445.118	15-20/L 35	35	40	32,5	43	54	46	50	160
445.019	445.119	15-20/L 42	42	46	35,0	46	58	55	60	160
445.020	445.120	15-20/S 06	6	11	19,0	26	34	14	17	630
445.021	445.121	15-20/S 08	8	13	21,0	28	36	17	19	630
445.022	445.122	15-20/S 10	10	15	22,5	30	39	19	22	630
445.023	445.123	15-20/S 12	12	17	24,5	32	41	22	24	630
445.024	445.124	15-20/S 14	14	19	27,0	35	45	24	27	630
445.025	445.125	15-20/S 16	16	21	26,5	35	45	27	30	400
445.026	445.126	15-20/S 20	20	26	29,5	40	51	32	36	400
445.027	445.127	15-20/S 25	25	31	32,0	44	56	41	46	400
445.028	445.128	15-20/S 30	30	36	35,5	49	62	46	50	400
445.029	445.129	15-20/S 38	38	44	38,0	54	69	55	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



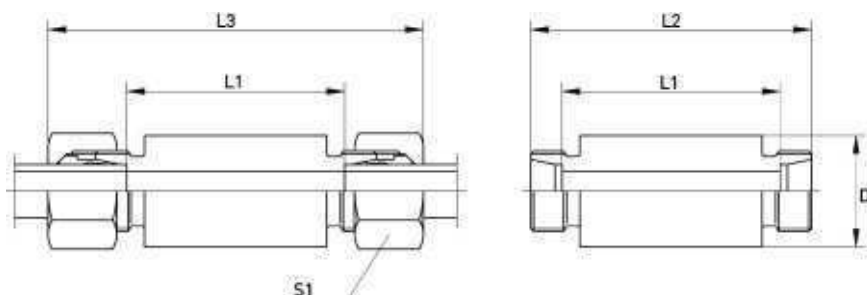
WAS Winkel-Anschweisverschraubung Typ 15/1-20/...

Elbow welding connection type 15/1-20/...

Werkstoff C 15 / material C15

Art. Nr. Komplett	Art. Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	D1	L1	L2	L3	L4	S1	S2	Bar
445.210	445.310	15/1-20/L06	6	10	19	12,0	19	27	12	14	315
445.211	445.311	15/1-20/L08	8	12	21	14,0	21	29	12	17	315
445.212	445.312	15/1-20/L10	10	14	22	15,0	22	30	14	19	315
445.213	445.313	15/1-20/L12	12	16	24	17,0	24	32	17	22	315
445.214	445.314	15/1-20/L15	15	19	28	21,0	28	36	19	27	315
445.215	445.315	15/1-20/L18	18	22	31	23,5	31	40	24	32	315
445.216	445.316	15/1-20/L22	22	27	35	27,5	35	44	27	36	160
445.217	445.317	15/1-20/L28	28	32	38	30,5	38	47	36	41	160
445.218	445.318	15/1-20/L35	35	40	45	34,5	45	56	41	50	160
445.219	445.319	15/1-20/L42	42	46	51	40,0	51	63	50	60	160
445.220	445.320	15/1-20/S06	6	11	23	16,0	23	31	12	17	630
445.221	445.321	15/1-20/S08	8	13	24	17,0	24	32	14	19	630
445.222	445.322	15/1-20/S10	10	15	25	17,5	25	34	17	22	630
445.223	445.323	15/1-20/S12	12	17	29	21,5	29	38	17	24	630
445.224	445.324	15/1-20/S14	14	19	30	22,0	30	40	19	27	630
445.225	445.325	15/1-20/S16	16	21	33	24,5	33	43	24	30	400
445.226	445.326	15/1-20/S20	20	26	37	26,5	37	48	27	36	400
445.227	445.327	15/1-20/S25	25	31	42	30,0	42	54	36	46	400
445.228	445.328	15/1-20/S30	30	36	49	35,5	49	62	41	50	400
445.229	445.329	15/1-20/S38	38	44	57	41,0	57	72	50	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



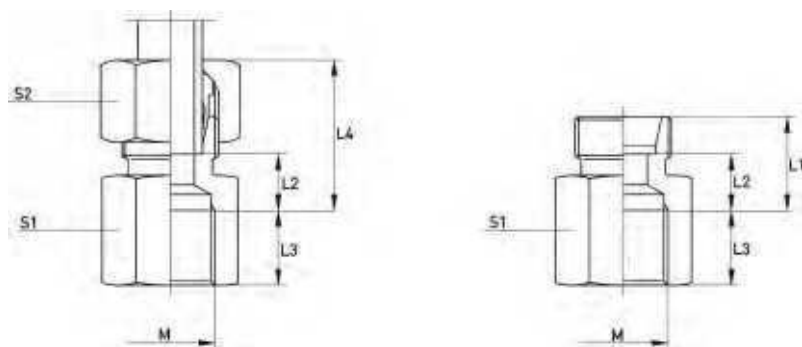
ESV Einschweiss-Schottverschraubung Typ 15-21/...

Straight welding bulkhead coupling type 15-21/...

Werkstoff C 15 / material C15

Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	D1	L1	L2	L3	S1	Bar
446.010	446.110	15-21/L 06	6	18	56	70	85	14	315
446.011	446.111	15-21/L 08	8	20	56	70	85	17	315
446.012	446.112	15-21/L 10	10	22	58	72	87	19	315
446.013	446.113	15-21/L 12	12	25	58	72	87	22	315
446.014	446.114	15-21/L 15	15	28	70	84	100	27	315
446.015	446.115	15-21/L 18	18	32	69	84	101	32	315
446.016	446.116	15-21/L 22	22	36	73	88	105	36	160
446.017	446.117	15-21/L 28	28	40	73	88	106	41	160
446.018	446.118	15-21/L 35	35	50	71	92	114	50	160
446.019	446.119	15-21/L 42	42	60	70	92	115	60	160
446.020	446.120	15-21/S 06	6	20	60	74	89	17	630
446.021	446.121	15-21/S 08	8	22	60	74	89	19	630
446.022	446.122	15-21/S 10	10	25	59	74	91	22	630
446.023	446.123	15-21/S 12	12	28	59	74	91	24	630
446.024	446.124	15-21/S 14	14	30	72	88	107	27	630
446.025	446.125	15-21/S 16	16	35	71	88	107	30	400
446.026	446.126	15-21/S 20	20	38	71	92	114	36	400
446.027	446.127	15-21/S 25	25	45	72	96	120	46	400
446.028	446.128	15-21/S 30	30	50	73	100	126	50	400
446.029	446.129	15-21/S 38	38	60	72	104	133	60	315

Technische Änderungen vorbehalten.
Measurements may differ.

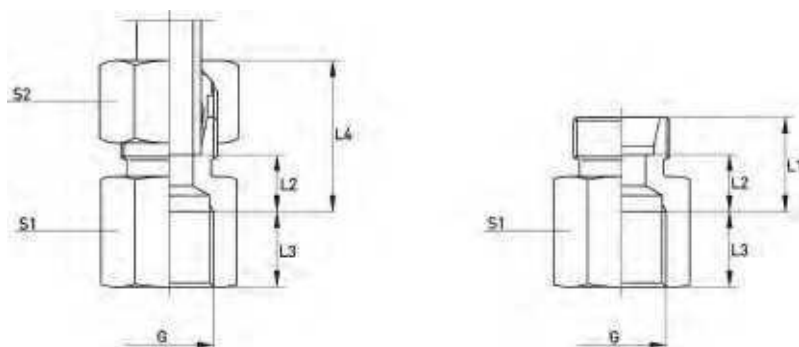


GAI-M Aufschraubverschraubung Typ 15-24/...M / Female stud coupling type 15-24/...M
Metrisches Innengewinde / female metric thread

Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde M Thread M	L1	L2	L3	L4	S1	S2	Bar
449.010	449.110	15-24/L 06 M10x1,0 *	6	10x1,0	16,0	9,0	10,0	23,5	14	14	250
449.033	449.133	15-24/L 06 M22x1,5	6	22x1,5	16,0	8,0	12,0	22,5	27	14	250
449.011	449.111	15-24/L 08 M12x1,5 *	8	12x1,5	16,5	9,5	14,5	24,5	17	17	250
449.037	449.137	15-24/L 08 M22x1,5	8	22x1,5	16,5	8,0	12,0	23,0	27	17	250
449.012	449.112	15-24/L 10 M14x1,5 *	10	14x1,5	17,5	10,5	14,5	25,5	19	19	250
449.041	449.141	15-24/L 10 M22x1,5	10	22x1,5	17,5	9,0	12,0	24,0	27	27	250
449.013	449.113	15-24/L 12 M16x1,5 *	12	16x1,5	18,5	11,5	14,5	26,0	22	22	250
449.044	449.144	15-24/L 12 M22x1,5	12	22x1,5	19,0	9,0	12,0	24,0	27	27	250
449.014	449.114	15-24/L 15 M18x1,5 *	15	18x1,5	23,5	16,5	14,5	31,5	24	27	250
449.046	449.146	15-24/L 15 M22x1,5	15	22x1,5	23,5	16,0	12,0	30,5	27	27	250
449.015	449.115	15-24/L 18 M	18	22x1,5	21,5	14,0	16,5	30,5	30	32	160
449.016	449.116	15-24/L 22 M	22	26x1,5	23,5	16,0	18,5	32,5	32	36	160
449.017	449.117	15-24/L 28 M	28	33x2,0	24,0	16,5	21,0	33,0	41	41	100
449.018	449.118	15-24/L 35 M	35	42x2,0	28,0	17,5	23,0	39,0	55	50	100
449.019	449.119	15-24/L 42 M	42	48x2,0	29,0	18,0	25,0	41,0	60	60	100
449.020	449.120	15-24/S 06 M	6	12x1,5	18,5	11,5	14,5	26,5	17	17	630
449.021	449.121	15-24/S 08 M	8	14x1,5	18,5	11,5	14,5	26,5	19	19	630
449.022	449.122	15-24/S 10 M	10	16x1,5	19,5	12,0	14,5	28,0	22	22	630
449.023	449.123	15-24/S 12 M	12	18x1,5	19,5	12,0	14,5	28,0	24	24	630
449.024	449.124	15-24/S 14 M	14	20x1,5	23,5	15,5	16,5	33,5	27	27	630
449.025	449.125	15-24/S 16 M	16	22x1,5	23,5	15,0	16,5	33,5	30	30	400
449.026	449.126	15-24/S 20 M	20	27x2,0	26,0	15,5	19,0	37,0	36	36	400
449.027	449.127	15-24/S 25 M	25	33x2,0	28,0	16,0	21,0	40,0	41	46	400
449.028	449.128	15-24/S 30 M	30	42x2,0	33,0	19,5	23,0	46,0	55	50	250
449.029	449.129	15-24/S 38 M	38	48x2,0	35,0	19,0	25,0	50,0	60	60	250

*Standardgröße

Technische Änderungen vorbehalten.
Measurements may differ.

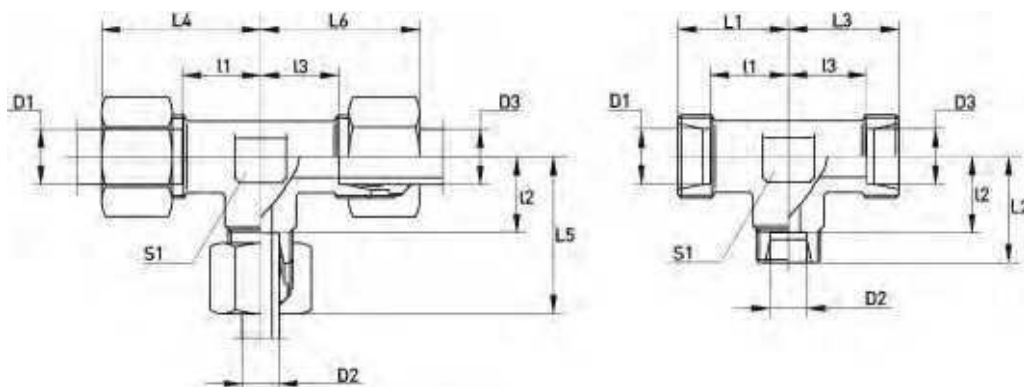


GAI-R Aufschraubverschraubung Typ 15-24/...R / Female stud coupling type 15-24/...R
 Zölliges Innengewinde / thread female BSP

Art. Nr. Komplett	Art. Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde G Thread G	L1	L2	L3	L4	S1	S2	Bar
450.010	450.110	15-24/L 06 G 1/8" *	6	1/8"	16,0	9,0	10,0	23,5	14	14	250
450.009	450.109	15-24/L 06 G 1/4"	6	1/4"	15,0	10,0	14,0	24,0	14	19	250
450.035	450.144	15-24/L 06 G 3/8"	6	3/8"	15,0	9,0	12,0	24,0	22	14	250
450.011	450.111	15-24/L 08 G 1/4" *	8	1/4"	17,0	10,0	14,0	25,0	19	17	250
450.036	450.136	15-24/L 08 G 3/8"	8	3/8"	17,0	9,0	12,0	24,0	17	24	250
450.037	450.137	15-24/L 08 G 1/2"	8	1/2"	15,0	10,0	14,0	25,0	17	27	250
450.012	450.112	15-24/L 10 G 1/4" *	10	1/4"	17,0	11,0	14,0	26,0	19	19	250
450.040	450.134	15-24/L 10 G 3/8"	10	3/8"	17,0	9,0	12,0	24,0	19	24	250
450.043	450.143	15-24/L 10 G 1/2"	10	1/2"	17,0	11,0	14,0	24,0	19	27	250
450.041	450.135	15-24/L 12 G 1/4"	12	1/4"	15,0	10,0	12,0	26,0	22	19	250
450.013	450.113	15-24/L 12 G 3/8" *	12	3/8"	19,0	12,0	14,0	26,5	24	22	250
450.042	450.142	15-24/L 12 G 1/2"	12	1/2"	21,0	10,0	14,0	25,0	22	27	250
450.014	450.114	15-24/L 15 G 1/2" *	15	1/2"	21,0	14,0	17,0	29,0	27	27	250
450.015	450.115	15-24/L 18 G 1/2" *	18	1/2"	21,0	13,5	17,0	30,0	27	32	160
450.016	450.116	15-24/L 22 G 3/4" *	22	3/4"	24,0	16,5	19,0	33,0	36	36	160
450.017	450.117	15-24/L 28 G 1" *	28	1"	23,5	16,0	21,5	32,5	41	41	100
450.018	450.118	15-24/L 35 G 1 1/4" *	35	1 1/4"	28,5	18,0	23,5	39,5	55	50	100
450.019	450.119	15-24/L 42 G 1 1/2" *	42	1 1/2"	28,5	17,5	25,5	40,5	60	60	100
450.020	450.120	15-24/S 06 G 1/4" *	6	1/4"	19,0	12,0	14,0	27,0	19	17	630
450.021	450.121	15-24/S 08 G 1/4" *	8	1/4"	19,0	12,0	14,0	27,0	19	19	630
450.022	450.122	15-24/S 10 G 3/8" *	10	3/8"	20,0	12,5	14,0	28,5	24	22	630
450.023	450.123	15-24/S 12 G 3/8" *	12	3/8"	20,0	12,5	14,0	28,5	24	24	630
450.024	450.124	15-24/S 14 G 1/2" *	14	1/2"	23,0	15,0	17,0	33,0	30	27	630
450.025	450.125	15-24/S 16 G 1/2" *	16	1/2"	23,0	14,5	17,0	33,0	30	30	400
450.026	450.126	15-24/S 20 G 3/4" *	20	3/4"	26,0	15,5	19,0	37,0	36	36	400
450.027	450.127	15-24/S 25 G 1" *	25	1"	27,5	15,5	21,5	39,5	41	46	400
450.028	450.128	15-24/S 30 G 1 1/4" *	30	1 1/4"	32,5	19,0	23,5	45,5	55	50	250
450.029	450.129	15-24/S 38 G 1 1/2" *	38	1 1/2"	34,5	18,5	25,5	49,5	60	60	250

*Standardgröße

Technische Änderungen vorbehalten.
 Measurements may differ.



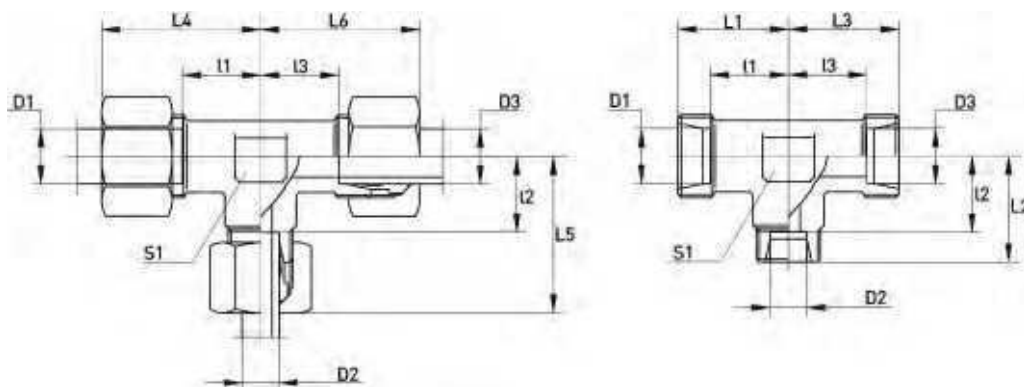
TR T-Reduzierschraubung Typ 15-16/... / Tee reducing coupling type 15-16/...

Art. Nr. Art. N°	Bezeichnung Description	D1	D2	D3	L1	L2	L3	L4	L5	L6	I1	I2	I3	S1	Bar
441.019	15-16/L06-08-06	6	8	6	21	21	21	29	29	29	14,0	14,0	14,0	12	315
441.017	15-16/L08-06-08	8	6	8	21	21	21	29	29	29	14,0	14,0	14,0	12	315
441.023	15-16/L06-10-06	6	10	6	21	22	21	29	30	29	14,0	15,0	14,0	14	315
441.027	15-16/L08-10-08	8	10	8	21	22	21	29	30	29	14,0	15,0	14,0	14	315
441.021	15-16/L10-06-10	10	6	10	22	21	22	30	29	30	15,0	14,0	15,0	14	315
441.024	15-16/L10-08-10	10	8	10	22	21	22	30	29	30	15,0	14,0	15,0	14	315
441.024	15-16/L10-10-06	10	10	6	22	22	21	30	30	29	15,0	15,0	14,0	14	315
441.037	15-16/L08-12-08	8	12	8	23	24	23	31	32	31	16,0	17,0	16,0	17	315
441.031	15-16/L12-06-12	12	6	12	24	23	24	32	31	32	17,0	16,0	17,0	17	315
441.036	15-16/L12-08-08	12	8	8	24	23	23	32	31	31	17,0	16,0	16,0	17	315
441.035	15-16/L12-08-12	12	8	12	24	23	24	32	31	32	17,0	16,0	17,0	17	315
441.042	15-16/L12-10-10	12	10	10	24	24	24	32	32	32	17,0	17,0	17,0	17	315
441.041	15-16/L12-10-12	12	10	12	24	24	24	32	32	32	17,0	17,0	17,0	17	315
441.044	15-16/L12-12-10	12	12	10	24	24	24	32	32	32	17,0	17,0	17,0	17	315
441.061	15-16/L10-15-10	10	15	10	27	28	27	35	36	35	20,0	21,0	20,0	19	315
441.065	15-16/L12-15-12	12	15	12	27	28	27	35	36	35	20,0	21,0	20,0	19	315
441.051	15-16/L15-06-15	15	6	15	28	25	28	36	33	36	21,0	18,0	21,0	19	315
441.059	15-16/L15-10-15	15	10	15	28	27	28	36	35	36	21,0	20,0	21,0	19	315
441.064	15-16/L15-12-12	15	12	12	28	27	27	36	35	35	21,0	20,0	20,0	19	315
441.063	15-16/L15-12-15	15	12	15	28	27	28	36	35	36	21,0	20,0	21,0	19	315
441.066	15-16/L15-15-12	15	15	12	28	28	27	36	36	35	21,0	21,0	20,0	19	315
441.091	15-16/L12-18-12	12	18	12	30	31	30	38	40	38	23,0	23,5	23,0	24	315
441.083	15-16/L18-10-10	18	10	10	31	30	30	40	38	38	23,5	23,0	23,0	24	315
441.094	15-16/L18-10-18	18	10	18	31	30	31	40	38	40	23,5	23,0	23,5	24	315
441.095	15-16/L18-12-18	18	12	18	31	30	31	40	38	40	23,5	23,0	23,5	24	315
441.089	15-16/L18-15-18	18	15	18	31	31	31	40	39	40	23,5	24,0	23,5	24	315
441.088	15-16/L18-18-10	18	18	10	31	31	30	40	40	38	23,5	23,5	23,0	24	315
441.221	15-16/L22-10-22	22	10	22	35	33	35	44	41	44	27,5	26,0	27,5	27	160
441.213	15-16/L22-12-22	22	12	22	35	33	35	44	41	44	27,5	26,0	27,5	27	160
441.214	15-16/L22-15-15	22	15	15	35	34	34	44	42	42	27,5	27,0	27,0	27	160
441.223	15-16/L22-15-22	22	15	22	35	34	35	44	42	44	27,5	27,0	27,5	27	160
441.216	15-16/L22-18-18	22	18	18	35	34	34	44	43	43	27,5	26,5	26,5	27	160
441.224	15-16/L22-18-22	22	18	22	35	34	35	44	43	44	27,5	26,5	27,5	27	160
441.217	15-16/L22-22-18	22	22	18	35	35	34	44	44	43	27,5	27,5	26,5	27	160
441.234	15-16/L28-10-28	28	10	28	38	36	38	47	44	47	30,5	29,0	30,5	36	160
441.235	15-16/L28-12-28	28	12	28	38	36	38	47	44	47	30,5	29,0	30,5	36	160
441.236	15-16/L28-15-28	28	15	28	38	37	38	47	45	47	30,5	30,0	30,5	36	160
441.237	15-16/L28-18-18	28	18	28	38	37	38	47	46	47	30,5	29,5	30,5	36	160
441.239	15-16/L28-22-22	28	22	22	38	38	38	47	47	47	30,5	30,5	30,5	36	160
441.240	15-16/L28-22-28	28	22	28	38	38	38	47	47	47	30,5	30,5	30,5	36	160

Weitere Größen auf Anfrage / Further sizes on request

Fortsetzung nächste Seite / Continuation on next page

Technische Änderungen vorbehalten.
Measurements may differ.

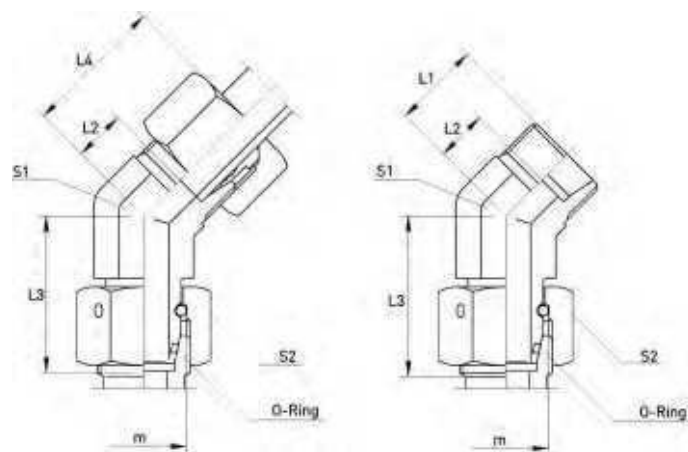


TR T-Reduzierschraubung Typ 15-16/... / Tee reducing coupling type 15-16/...

Art.Nr. Art.N°	Bezeichnung Description	D1	D2	D3	L1	L2	L3	L4	L5	L6	I1	I2	I3	S1	Bar
441.407	15-16/S10-06-10	10	6	10	25	25	25	34	33	34	17,5	18,0	17,5	17	630
441.418	15-16/S12-08-08	12	8	8	29	25	25	38	33	33	21,5	18,0	18,0	19	630
441.416	15-16/S12-08-12	12	8	12	29	25	29	38	33	38	21,5	18,0	21,5	19	630
441.417	15-16/S12-10-12	12	10	12	29	25	29	38	34	38	21,5	17,5	21,5	19	630
441.428	15-16/S12-16-12	12	16	12	31	33	31	40	43	40	23,5	24,5	23,5	24	400
441.434	15-16/S16-06-16	16	6	16	33	31	33	43	39	43	24,5	24,0	24,5	24	400
441.431	15-16/S16-08-16	16	8	16	33	31	33	43	39	43	24,5	24,0	24,5	24	400
441.435	15-16/S16-10-16	16	10	16	33	31	33	43	40	43	24,5	23,5	24,5	24	400
441.436	15-16/S16-12-16	16	12	16	33	31	33	43	40	43	24,5	23,5	24,5	24	400
441.444	15-16/S16-20-16	16	20	16	36	37	36	46	48	46	27,5	26,5	27,5	27	400
441.450	15-16/S20-10-20	20	10	20	37	34	37	48	43	48	26,5	26,5	26,5	27	400
441.451	15-16/S20-12-20	20	12	20	37	34	37	48	43	48	26,5	26,5	26,5	27	400
441.452	15-16/S20-16-20	20	16	20	37	36	37	48	46	48	26,5	27,5	26,5	27	400
441.468	15-16/S20-25-20	20	25	20	40	42	40	51	54	51	29,5	30,0	29,5	36	400
441.463	15-16/S25-16-25	25	16	25	42	39	42	54	49	54	30,0	30,5	30,0	36	400
441.465	15-16/S25-20-25	25	20	25	42	40	42	54	51	54	30,0	29,5	30,0	36	400
441.477	15-16/S25-30-25	25	30	25	47	49	47	59	62	59	35,0	35,5	35,0	41	400

Weitere Größen auf Anfrage / Further sizes on request.

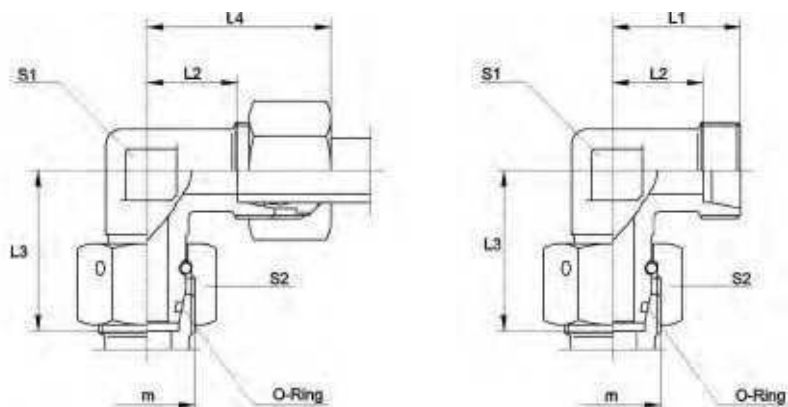
Technische Änderungen vorbehalten.
Measurements may differ.



EV Einstellbare 45° Verschraubung Typ 14/1-29/...V 45°
Adjustable elbow coupling type 14/1-29/...V 45°

Art.Nr. Komplet	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	L3	L4	S1	S2	Bar
489.700	489.480	14/1-29/L 06 V 45°	6	12x1,5	16,0	9,0	26,0	24,0	11	14	315
489.701	489.481	14/1-29/L 08 V 45°	8	14x1,5	17,0	10,0	27,5	25,0	14	17	315
489.702	489.482	14/1-29/L 10 V 45°	10	16x1,5	18,0	11,0	29,0	26,0	14	19	315
489.703	489.483	14/1-29/L 12 V 45°	12	18x1,5	19,0	12,0	29,5	27,0	19	22	315
489.704	489.484	14/1-29/L 15 V 45°	15	22x1,5	22,0	15,0	32,5	30,0	22	27	315
489.705	489.485	14/1-29/L 18 V 45°	18	26x1,5	24,0	16,5	35,5	33,0	27	32	315
489.706	489.486	14/1-29/L 22 V 45°	22	30x2,0	26,0	18,5	38,5	35,0	27	36	160
489.707	489.487	14/1-29/L 28 V 45°	28	36x2,0	30,5	23,0	41,5	39,5	33	41	160
489.708	489.488	14/1-29/L 35 V 45°	35	45x2,0	34,0	23,5	51,5	45,0	41	50	160
489.709	489.489	14/1-29/L 42 V 45°	42	52x2,0	37,0	26,0	53,0	49,0	48	60	160
489.715	489.490	14/1-29/S 06 V 45°	6	14x1,5	18,0	11,0	27,0	26,0	14	17	630
489.716	489.491	14/1-29/S 08 V 45°	8	16x1,5	19,0	12,0	27,5	27,0	14	19	630
489.717	489.492	14/1-29/S 10 V 45°	10	18x1,5	20,0	12,5	30,0	29,0	19	22	630
489.718	489.493	14/1-29/S 12 V 45°	12	20x1,5	23,0	15,5	31,0	32,0	19	24	630
489.719	489.494	14/1-29/S 14 V 45°	14	22x1,5	24,0	16,0	35,0	34,0	22	27	630
489.720	489.495	14/1-29/S 16 V 45°	16	24x1,5	24,0	15,5	36,5	34,0	27	30	400
489.721	489.496	14/1-29/S 20 V 45°	20	30x2,0	26,5	16,0	44,5	37,5	27	36	400
489.722	489.497	14/1-29/S 25 V 45°	25	36x2,0	32,0	20,0	50,0	44,0	33	46	400
489.723	489.498	14/1-29/S 30 V 45°	30	42x2,0	37,5	24,0	55,0	50,5	41	50	400
489.724	489.499	14/1-29/S 38 V 45°	38	52x2,0	40,0	24,0	58,0	55,0	48	60	315

Technische Änderungen vorbehalten.
Measurements may differ.

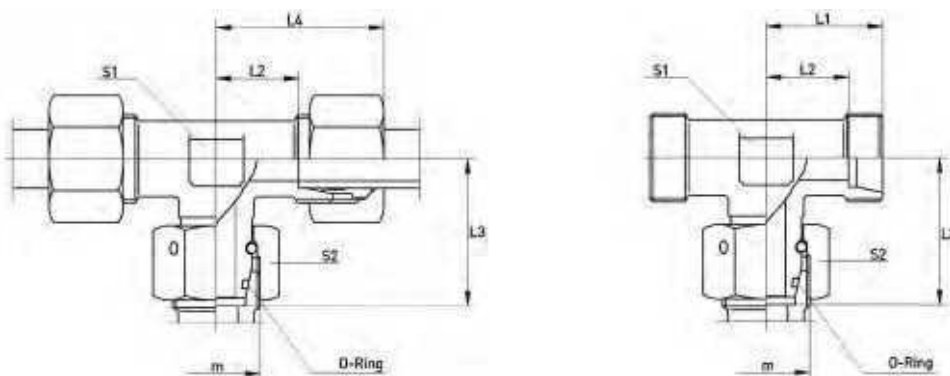


EW Einstellbare 90° Verschraubung Typ 14/1-29/...V 90°

Adjustable elbow couplings type 14/1-29/...V 90°

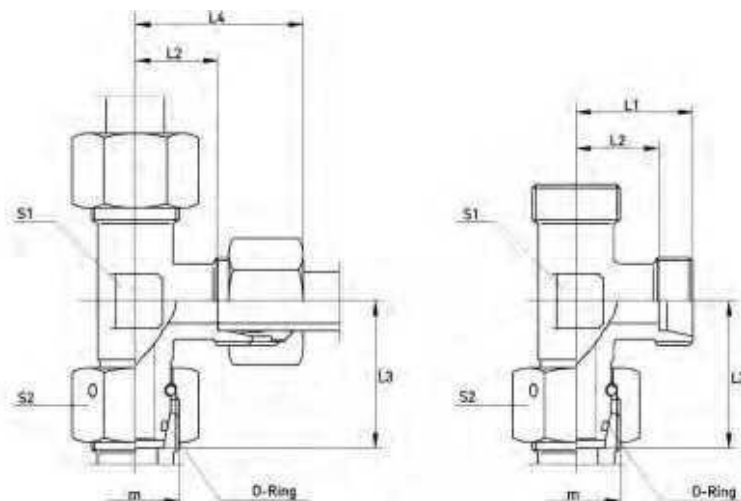
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	L3	L4	S1	S2	Bar
489.000	489.500	14/1-29/L 06 V 90°	6	12x1,5	19	12,0	26,0	27	12	14	315
489.001	489.501	14/1-29/L 08 V 90°	8	14x1,5	21	14,0	27,5	29	12	17	315
489.002	489.502	14/1-29/L 10 V 90°	10	16x1,5	22	15,0	29,0	30	14	19	315
489.003	489.503	14/1-29/L 12 V 90°	12	18x1,5	24	17,0	29,5	32	17	22	315
489.005	489.505	14/1-29/L 15 V 90°	15	22x1,5	28	21,0	32,5	36	19	27	315
489.006	489.506	14/1-29/L 18 V 90°	18	26x1,5	31	23,5	35,5	40	24	32	315
489.007	489.507	14/1-29/L 22 V 90°	22	30x2,0	35	27,5	38,5	44	27	36	160
489.008	489.508	14/1-29/L 28 V 90°	28	36x2,0	38	30,5	41,5	47	36	41	160
489.009	489.509	14/1-29/L 35 V 90°	35	45x2,0	45	34,5	51,5	56	41	50	160
489.010	489.510	14/1-29/L 42 V 90°	42	52x2,0	51	40,0	56,0	63	50	60	160
489.015	489.515	14/1-29/S 06 V 90°	6	14x1,5	23	16,0	27,0	31	12	17	630
489.016	489.516	14/1-29/S 08 V 90°	8	16x1,5	24	17,0	27,5	32	14	19	630
489.017	489.517	14/1-29/S 10 V 90°	10	18x1,5	25	17,5	30,0	34	17	22	630
489.018	489.518	14/1-29/S 12 V 90°	12	20x1,5	29	21,5	31,0	38	17	24	630
489.019	489.519	14/1-29/S 14 V 90°	14	22x1,5	30	22,0	35,0	40	19	27	630
489.020	489.520	14/1-29/S 16 V 90°	16	24x1,5	33	24,5	36,5	43	24	30	400
489.021	489.521	14/1-29/S 20 V 90°	20	30x2,0	37	26,5	44,5	48	27	36	400
489.022	489.522	14/1-29/S 25 V 90°	25	36x2,0	42	30,0	50,0	54	36	46	400
489.023	489.523	14/1-29/S 30 V 90°	30	42x2,0	49	35,5	55,5	62	41	50	400
489.024	489.524	14/1-29/S 38 V 90°	38	52x2,0	57	41,0	63,0	72	50	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



ET Einstellbare T-Verschraubung Typ 14/2-29/...V												
Adjustable T-couplings type 14/2-29/...V												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	L3	L4	S1	S2	Bar	
489.150	489.650	14/2-29/L 06 V	6	12x1,5	19	12,0	26,0	27	12	14	315	
489.151	489.651	14/2-29/L 08 V	8	14x1,5	21	14,0	27,5	29	12	17	315	
489.152	489.652	14/2-29/L 10 V	10	16x1,5	22	15,0	29,0	30	14	19	315	
489.153	489.653	14/2-29/L 12 V	12	18x1,5	24	17,0	29,5	32	17	22	315	
489.154	489.654	14/2-29/L 15 V	15	22x1,5	28	21,0	32,5	36	19	27	315	
489.155	489.655	14/2-29/L 18 V	18	26x1,5	31	23,5	35,5	40	24	32	315	
489.156	489.656	14/2-29/L 22 V	22	30x2,0	35	27,5	38,5	44	27	36	160	
489.157	489.657	14/2-29/L 28 V	28	36x2,0	38	30,5	41,5	47	36	41	160	
489.158	489.658	14/2-29/L 35 V	35	45x2,0	45	34,5	51,5	56	41	50	160	
489.159	489.659	14/2-29/L 42 V	42	52x2,0	51	40,0	56,0	63	50	60	160	
489.160	489.660	14/2-29/S 06 V	6	14x1,5	23	16,0	27,0	31	12	17	630	
489.161	489.661	14/2-29/S 08 V	8	16x1,5	24	17,0	27,5	32	14	19	630	
489.162	489.662	14/2-29/S 10 V	10	18x1,5	25	17,5	30,0	34	17	22	630	
489.163	489.663	14/2-29/S 12 V	12	20x1,5	29	21,5	31,0	38	17	24	630	
489.164	489.664	14/2-29/S 14 V	14	22x1,5	30	22,0	35,0	40	19	27	630	
489.165	489.665	14/2-29/S 16 V	16	24x1,5	33	24,5	36,5	43	24	30	400	
489.166	489.666	14/2-29/S 20 V	20	30x2,0	37	26,5	44,5	48	27	36	400	
489.167	489.667	14/2-29/S 25 V	25	36x2,0	42	30,0	50,0	54	36	46	400	
489.168	489.668	14/2-29/S 30 V	30	42x2,0	49	35,5	55,5	62	41	50	400	
489.169	489.669	14/2-29/S 38 V	38	52x2,0	57	41,0	63,0	72	50	60	315	

Technische Änderungen vorbehalten.
Measurements may differ.

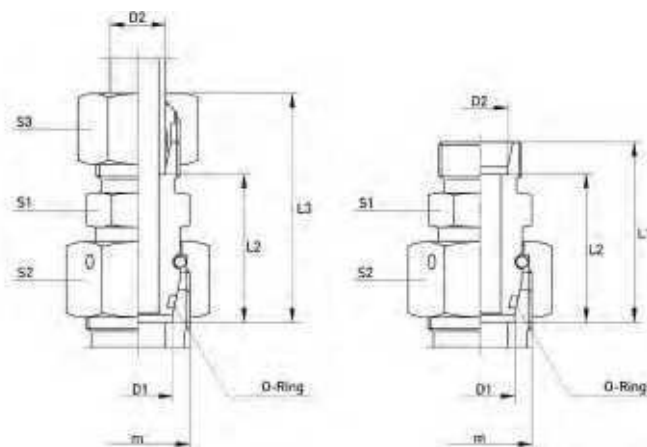


EL Einstellbare L-Verschraubung Typ 14/3-29/...V

Adjustable L-couplings type 14/3-29/...V

Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	L3	L4	S1	S2	Bar
489.170	489.670	14/3-29/L 06 V	6	12x1,5	19	12,0	26,0	27	12	14	315
489.171	489.671	14/3-29/L 08 V	8	14x1,5	21	14,0	27,5	29	12	17	315
489.172	489.672	14/3-29/L 10 V	10	16x1,5	22	15,0	29,0	30	14	19	315
489.173	489.673	14/3-29/L 12 V	12	18x1,5	24	17,0	29,5	32	17	22	315
489.174	489.674	14/3-29/L 15 V	15	22x1,5	28	21,0	32,5	36	19	27	315
489.175	489.675	14/3-29/L 18 V	18	26x1,5	31	23,5	35,5	40	24	32	315
489.176	489.676	14/3-29/L 22 V	22	30x2,0	35	27,5	38,5	44	27	36	160
489.177	489.677	14/3-29/L 28 V	28	36x2,0	38	30,5	41,5	47	36	41	160
489.178	489.678	14/3-29/L 35 V	35	45x2,0	45	34,5	51,5	56	41	50	160
489.179	489.679	14/3-29/L 42 V	42	52x2,0	51	40,0	56,0	63	50	60	160
489.180	489.680	14/3-29/S 06 V	6	14x1,5	23	16,0	27,0	31	12	17	630
489.181	489.681	14/3-29/S 08 V	8	16x1,5	24	17,0	27,5	32	14	19	630
489.182	489.682	14/3-29/S 10 V	10	18x1,5	25	17,5	30,0	34	17	22	630
489.183	489.683	14/3-29/S 12 V	12	20x1,5	29	21,5	31,0	38	17	24	630
489.184	489.684	14/3-29/S 14 V	14	22x1,5	30	22,0	35,0	40	19	27	630
489.185	489.685	14/3-29/S 16 V	16	24x1,5	33	24,5	36,5	43	24	30	400
489.186	489.686	14/3-29/S 20 V	20	30x2,0	37	26,5	44,5	48	27	36	400
489.187	489.687	14/3-29/S 25 V	25	36x2,0	42	30,0	50,0	54	36	46	400
489.188	489.688	14/3-29/S 30 V	30	42x2,0	49	35,5	55,5	62	41	50	400
489.189	489.689	14/3-29/S 38 V	38	52x2,0	57	41,0	63,0	72	50	60	315

Technische Änderungen vorbehalten.
Measurements may differ.

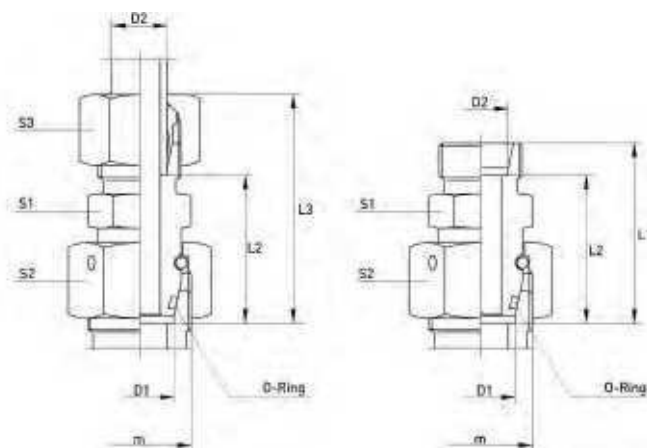


RED Reduzierschraubung mit Dichtkegel Typ 14-29/...V

Reduction fitting type 14-29/...V

Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	D1 DKO	D2 Rohr D2 Tube	Gewinde m Thread m	L1	L2	L3	S1	S2	S3	Bar
489.050	489.550	14-29/L 08-06 V	8	6	14x1,5	31,0	24,0	38,5	12	17	14	315
489.051	489.551	14-29/L 10-06 V	10	6	16x1,5	32,0	25,0	39,5	14	19	14	315
489.052	489.552	14-29/L 10-08 V	10	8	16x1,5	32,0	25,0	40,0	14	19	17	315
489.053	489.553	14-29/L 12-06 V	12	6	18x1,5	32,0	25,0	39,5	17	22	14	315
489.054	489.554	14-29/L 12-08 V	12	8	18x1,5	32,0	25,0	40,0	17	22	17	315
489.055	489.555	14-29/L 12-10 V	12	10	18x1,5	33,0	26,0	41,0	17	22	19	315
489.056	489.556	14-29/L 15-06 V	15	6	22x1,5	36,0	29,0	43,5	19	27	14	315
489.057	489.557	14-29/L 15-08 V	15	8	22x1,5	36,0	29,0	44,0	19	27	17	315
489.058	489.558	14-29/L 15-10 V	15	10	22x1,5	37,0	30,0	45,0	19	27	19	315
489.059	489.559	14-29/L 15-12 V	15	12	22x1,5	37,0	30,0	44,5	19	27	22	315
489.060	489.560	14-29/L 18-06 V	18	6	26x1,5	36,5	29,5	44,0	24	32	14	315
489.061	489.561	14-29/L 18-08 V	18	8	26x1,5	36,5	29,5	44,5	24	32	17	315
489.062	489.562	14-29/L 18-10 V	18	10	26x1,5	37,5	30,5	45,5	24	32	19	315
489.063	489.563	14-29/L 18-12 V	18	12	26x1,5	37,5	30,5	45,0	24	32	22	315
489.064	489.564	14-29/L 18-15 V	18	15	26x1,5	38,5	31,5	46,5	24	32	27	315
489.065	489.565	14-29/L 22-06 V	22	6	30x2,0	37,5	30,5	45,0	27	36	14	160
489.066	489.566	14-29/L 22-08 V	22	8	30x2,0	37,5	30,5	45,5	27	36	17	160
489.067	489.567	14-29/L 22-10 V	22	10	30x2,0	38,5	31,5	46,5	27	36	19	160
489.068	489.568	14-29/L 22-12 V	22	12	30x2,0	38,5	31,5	46,0	27	36	22	160
489.069	489.569	14-29/L 22-15 V	22	15	30x2,0	38,5	31,5	46,5	27	36	27	160
489.070	489.570	14-29/L 22-18 V	22	18	30x2,0	39,5	32,0	48,5	27	36	32	160
489.071	489.571	14-29/L 28-06 V	28	6	36x2,0	38,5	31,5	46,0	32	41	14	160
489.072	489.572	14-29/L 28-08 V	28	8	36x2,0	38,5	31,5	46,5	32	41	17	160
489.073	489.573	14-29/L 28-10 V	28	10	36x2,0	39,5	32,5	57,5	32	41	19	160
489.074	489.574	14-29/L 28-12 V	28	12	36x2,0	39,5	32,5	47,0	32	41	22	160
489.075	489.575	14-29/L 28-15 V	28	15	36x2,0	40,5	33,5	48,5	32	41	27	160
489.076	489.576	14-29/L 28-18 V	28	18	36x2,0	40,5	33,0	49,5	32	41	32	160
489.077	489.577	14-29/L 28-22 V	28	22	36x2,0	42,5	35,0	51,5	32	41	36	160
489.078	489.578	14-29/L 35-06 V	35	6	45x2,0	44,0	37,0	51,5	41	50	14	160
489.079	489.579	14-29/L 35-08 V	35	8	45x2,0	44,0	37,0	52,0	41	50	17	160
489.080	489.580	14-29/L 35-10 V	35	10	45x2,0	45,0	38,0	53,0	41	50	19	160
489.081	489.581	14-29/L 35-12 V	35	12	45x2,0	45,0	38,0	52,5	41	50	22	160
489.082	489.582	14-29/L 35-15 V	35	15	45x2,0	46,0	39,0	54,0	41	50	27	160
489.083	489.583	14-29/L 35-18 V	35	18	45x2,0	46,0	38,5	55,0	41	50	32	160
489.084	489.584	14-29/L 35-22 V	35	22	45x2,0	48,0	40,5	57,0	41	50	36	160
489.085	489.585	14-29/L 35-28 V	35	28	45x2,0	48,0	40,5	57,0	41	50	41	160
489.086	489.586	14-29/L 42-06 V	42	6	52x2,0	45,0	38,0	52,5	50	60	14	160
489.087	489.587	14-29/L 42-08 V	42	8	52x2,0	45,0	38,0	53,0	50	60	17	160
489.088	489.588	14-29/L 42-10 V	42	10	52x2,0	46,0	39,0	54,0	50	60	19	160
489.089	489.589	14-29/L 42-12 V	42	12	52x2,0	46,0	39,0	53,5	50	60	22	160
489.090	489.590	14-29/L 42-15 V	42	15	52x2,0	47,0	40,0	55,0	50	60	27	160
489.091	489.591	14-29/L 42-18 V	42	18	52x2,0	47,0	39,5	56,0	50	60	32	160
489.092	489.592	14-29/L 42-22 V	42	22	52x2,0	49,0	41,5	58,0	50	60	36	160
489.093	489.593	14-29/L 42-28 V	42	28	52x2,0	49,0	41,5	58,0	50	60	41	160
489.094	489.594	14-29/L 42-35 V	42	35	52x2,0	51,0	40,5	62,0	50	60	50	160

Technische Änderungen vorbehalten.
Measurements may differ.

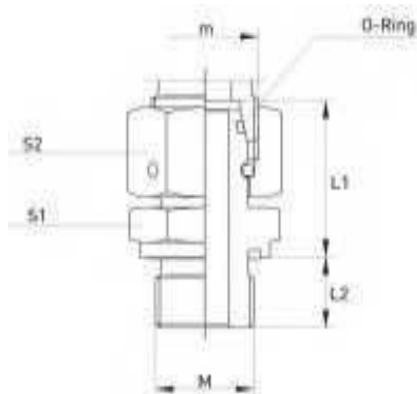


RED Reduzierschraubung mit Dichtkegel Typ 14-29/...V

Reduction fitting type 14-29/...V

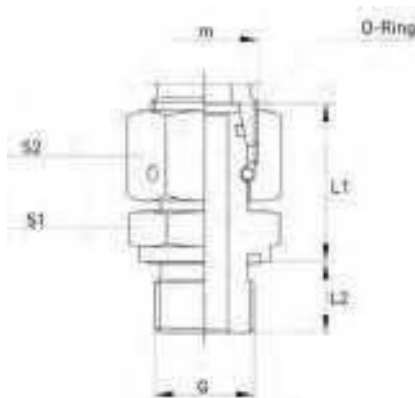
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	D1	Rohr D2 Tube D2	Gewinde m Thread m	L1	L2	L3	S1	S2	S3	Bar
489.100	489.600	14-29/S 08-06 V	8	6	16x1,5	36,0	29,0	44,0	14	19	17	630
489.101	489.601	14-29/S 10-06 V	10	6	18x1,5	38,5	31,5	46,5	17	22	17	630
489.102	489.602	14-29/S 10-08 V	10	8	18x1,5	38,0	31,0	46,0	17	22	19	630
489.103	489.603	14-29/S 12-06 V	12	6	20x1,5	38,0	31,0	46,0	17	24	17	630
489.104	489.604	14-29/S 12-08 V	12	8	20x1,5	38,0	31,0	46,0	17	24	19	630
489.105	489.605	14-29/S 12-10 V	12	10	20x1,5	38,0	30,5	46,5	19	24	22	630
489.106	489.606	14-29/S 14-06 V	14	6	22x1,5	41,0	34,0	49,0	19	27	17	630
489.107	489.607	14-29/S 14-08 V	14	8	22x1,5	41,0	34,0	49,0	19	27	19	630
489.108	489.608	14-29/S 14-10 V	14	10	22x1,5	41,0	33,5	49,5	19	27	22	630
489.109	489.609	14-29/S 14-12 V	14	12	22x1,5	43,0	35,5	51,5	22	27	24	630
489.110	489.610	14-29/S 16-06 V	16	6	24x1,5	45,5	38,5	53,5	22	30	17	400
489.111	489.611	14-29/S 16-08 V	16	8	24x1,5	45,5	38,5	53,5	22	30	19	400
489.112	489.612	14-29/S 16-10 V	16	10	24x1,5	45,5	38,0	54,0	22	30	22	400
489.113	489.613	14-29/S 16-12 V	16	12	24x1,5	45,5	38,0	54,0	22	30	24	400
489.114	489.614	14-29/S 16-14 V	16	14	24x1,5	47,5	39,5	57,5	24	30	27	400
489.115	489.615	14-29/S 20-06 V	20	6	30x2,0	48,0	41,0	56,0	27	36	17	400
489.116	489.616	14-29/S 20-08 V	20	8	30x2,0	48,0	41,0	56,0	27	36	19	400
489.117	489.617	14-29/S 20-10 V	20	10	30x2,0	48,0	40,5	56,5	27	36	22	400
489.118	489.618	14-29/S 20-12 V	20	12	30x2,0	48,0	40,5	56,5	27	36	24	400
489.119	489.619	14-29/S 20-14 V	20	14	30x2,0	50,0	42,0	60,0	27	36	27	400
489.120	489.620	14-29/S 20-16 V	20	16	30x2,0	50,0	41,5	60,0	27	36	30	400
489.121	489.621	14-29/S 25-06 V	25	6	36x2,0	52,5	45,5	60,5	32	46	17	400
489.122	489.622	14-29/S 25-08 V	25	8	36x2,0	52,5	45,5	60,5	32	46	19	400
489.123	489.623	14-29/S 25-10 V	25	10	36x2,0	52,5	45,0	61,0	32	46	22	400
489.124	489.624	14-29/S 25-12 V	25	12	36x2,0	52,5	45,0	61,0	32	46	24	400
489.125	489.625	14-29/S 25-14 V	25	14	36x2,0	54,5	46,5	64,5	32	46	27	400
489.126	489.626	14-29/S 25-16 V	25	16	36x2,0	54,5	46,0	64,5	32	46	30	400
489.127	489.626	14-29/S 25-20 V	25	20	36x2,0	56,5	46,0	67,5	32	46	36	400
489.140	489.640	14-29/S 30-06 V	30	6	42x2,0	57,0	50,0	65,0	41	50	17	400
489.128	489.628	14-29/S 30-08 V	30	8	42x2,0	57,0	50,0	65,0	41	50	19	400
489.129	489.629	14-29/S 30-10 V	30	10	42x2,0	57,0	49,5	65,5	41	50	22	400
489.130	489.630	14-29/S 30-12 V	30	12	42x2,0	57,0	49,5	65,5	41	50	24	400
489.141	489.641	14-29/S 30-14 V	30	14	42x2,0	59,0	51,0	69,0	41	50	27	400
489.131	489.631	14-29/S 30-16 V	30	16	42x2,0	59,0	50,5	69,0	41	50	30	400
489.132	489.632	14-29/S 30-20 V	30	20	42x2,0	61,0	50,5	72,0	41	50	36	400
489.133	489.633	14-29/S 30-25 V	30	25	42x2,0	63,0	51,0	75,0	41	50	46	400
489.142	489.642	14-29/S 38-06 V	38	6	52x2,0	59,0	52,0	67,0	50	60	17	315
489.143	489.643	14-29/S 38-08 V	38	8	52x2,0	59,0	52,0	67,0	50	60	19	315
489.144	489.644	14-29/S 38-10 V	38	10	52x2,0	59,0	51,5	67,5	50	60	22	315
489.134	489.634	14-29/S 38-12 V	38	12	52x2,0	59,0	51,5	67,5	50	60	24	315
489.145	489.645	14-29/S 38-14 V	38	14	52x2,0	61,0	53,0	71,0	50	60	27	315
489.135	489.635	14-29/S 38-16 V	38	16	52x2,0	61,0	52,5	71,0	50	60	30	315
489.136	489.636	14-29/S 38-20 V	38	20	52x2,0	65,0	53,0	77,0	50	60	46	315
489.137	489.637	14-29/S 38-25 V	38	25	52x2,0	65,0	53,0	77,0	50	60	46	315
489.138	489.638	14-29/S 38-30 V	38	30	52x2,0	67,0	53,5	80,0	50	60	50	315

Technische Änderungen vorbehalten.
Measurements may differ.



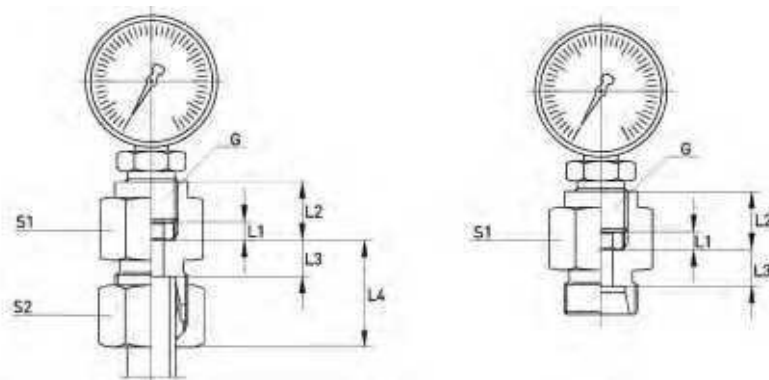
EGE-M-ED Einschraubstutzen mit Dichtkegel Typ 14-28/..									
Straight adaptor with conical nipple type 14-28/..									
Metrisches Einschraubgewinde zylindrisch, DKO / metric thread cylindrical, DKO									
Art.Nr.	Bezeichnung	Rohr AD	M	Gewinde m	L1	L2	S1	S2	Bar
Art.N°.	Description	Tube OD		Thread m					
489.230	14-28/L 06 MD	6	10x1,0	12x1,5	24,5	8	14	14	315
489.231	14-28/L 08 MD	8	12x1,5	14x1,5	26,5	12	17	17	315
489.232	14-28/L 10 MD	10	14x1,5	16x1,5	27,5	12	19	19	315
489.233	14-28/L 12 MD	12	16x1,5	18x1,5	30,5	12	22	22	315
489.234	14-28/L 15 MD	15	18x1,5	22x1,5	31,5	12	24	27	315
489.235	14-28/L 18 MD	18	22x1,5	26x1,5	31,5	14	27	32	315
489.236	14-28/L 22 MD	22	26x1,5	30x2,0	32,5	16	32	36	160
489.237	14-28/L 28 MD	28	33x2,0	36x2,0	35,0	18	41	41	160
489.238	14-28/L 35 MD	35	42x2,0	45x2,0	42,5	20	50	50	160
489.239	14-28/L 42 MD	42	48x2,0	52x2,0	46,5	22	55	60	160
489.245	14-28/S 06 MD	6	12x1,5	14x1,5	27,0	12	17	17	630
489.246	14-28/S 08 MD	8	14x1,5	16x1,5	29,5	12	19	19	630
489.247	14-28/S 10 MD	10	16x1,5	18x1,5	32,0	12	22	22	630
489.248	14-28/S 12 MD	12	18x1,5	20x1,5	34,0	12	24	24	630
489.249	14-28/S 14 MD	14	20x1,5	22x1,5	36,5	14	27	27	630
489.250	14-28/S 16 MD	16	22x1,5	24x1,5	37,0	14	27	30	400
489.251	14-28/S 20 MD	20	27x2,0	30x2,0	43,0	16	32	36	400
489.252	14-28/S 25 MD	25	33x2,0	36x2,0	48,0	18	41	46	400
489.253	14-28/S 30 MD	30	42x2,0	42x2,0	51,0	20	50	50	400
489.254	14-28/S 38 MD	38	48x2,0	52x2,0	60,0	22	55	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



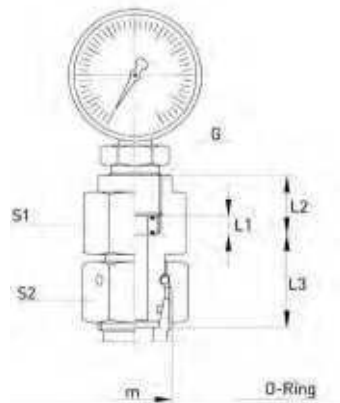
EGE-R-ED Einschraubstutzen mit Dichtkegel Typ 14-28/..									
Straight adaptor with conical nipple type 14-28..									
Zölliges Einschraubgewinde zylindrisch, DKO / BSP thread cylindrical, DKO									
Art.Nr.	Bezeichnung	Rohr AD	G	Gewinde m	L1	L2	S1	S2	Bar
Art.N°	Description	Tube OD		Thread m					
489.200	14-28/L 06 RD	6	1/8"	12x1,5	24,5	8	14	14	315
489.201	14-28/L 08 RD	8	1/4"	14x1,5	29,5	12	19	17	315
489.202	14-28/L 10 RD	10	1/4"	16x1,5	27,5	12	19	19	315
489.203	14-28/L 12 RD	12	3/8"	18x1,5	34,0	12	22	22	315
489.204	14-28/L 15 RD	15	1/2"	22x1,5	32,0	14	27	27	315
489.205	14-28/L 18 RD	18	1/2"	26x1,5	31,5	14	27	32	315
489.206	14-28/L 22 RD	22	3/4"	30x2,0	32,5	16	32	36	160
489.207	14-28/L 28 RD	28	1"	36x2,0	35,0	18	41	41	160
489.208	14-28/L 35 RD	35	1 1/4"	45x2,0	42,5	20	50	50	160
489.209	14-28/L 42 RD	42	1 1/2"	52x2,0	46,5	22	55	60	160
489.215	14-28/S 06 RD	6	1/4"	14x1,5	27,0	12	19	17	630
489.216	14-28/S 08 RD	8	1/4"	16x1,5	29,5	12	19	19	630
489.217	14-28/S 10 RD	10	3/8"	18x1,5	32,0	12	22	22	630
489.218	14-28/S 12 RD	12	3/8"	20x1,5	34,0	12	22	24	630
489.219	14-28/S 14 RD	14	1/2"	22x1,5	36,5	14	27	27	630
489.220	14-28/S 16 RD	16	1/2"	24x1,5	37,0	14	27	30	400
489.221	14-28/S 20 RD	20	3/4"	30x2,0	43,0	16	32	36	400
489.222	14-28/S 25 RD	25	1"	36x2,0	48,0	18	41	46	400
489.223	14-28/S 30 RD	30	1 1/4"	42x2,0	51,0	20	50	50	400
489.224	14-28/S 38 RD	38	1 1/2"	52x2,0	60,0	22	55	60	315

Technische Änderungen vorbehalten.
Measurements may differ.



MAV Manometer-Anschlußverschraubung Typ 15-23/.. G / Pressure gauge connector type 15-23/.. G												
Zölliges Innengewinde / female thread BSP												
Art.Nr. Komplett	Art.Nr. Stutzen	Bezeichnung Description	Rohr AD Tube OD	Gewinde G Thread G	L1	L2	L3	L4	S1	S2	Bar	
448.010	448.110	15-23/L 06 G	6	1/4"	4,5	14,5	7,5	22,5	19	14	315	
448.011	448.111	15-23/L 08 G	8	1/4"	4,5	14,5	7,5	22,5	19	17	315	
448.012	448.112	15-23/L 10 G	10	1/4"	4,5	14,5	8,5	23,5	19	19	315	
448.013	448.113	15-23/L 12 G	12	1/4"	4,5	14,5	8,5	23,5	19	22	315	
448.020	448.120	15-23/S 06 G	6	1/2"	5,0	20,0	11,0	26,0	30	17	630	
448.021	448.121	15-23/S 08 G	8	1/2"	5,0	20,0	11,0	26,0	30	19	630	
448.022	448.122	15-23/S 10 G	10	1/2"	5,0	20,0	10,5	26,5	30	22	630	
448.023	448.123	15-23/S 12 G	12	1/2"	5,0	20,0	10,5	26,5	30	24	630	

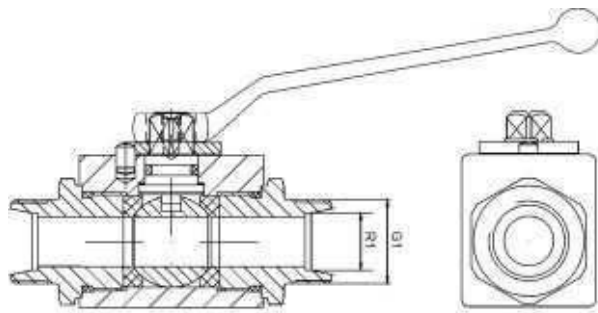
Dichtkantenring wird mitgeliefert ! / supplied with seal ring



MAVE Einstellbare Manometer-Anschlußverschraubung Typ 14/2-23/.. G /											
Adjustable pressure gauge connector type 14/2-23/...R											
DKO, Zölliges Innengewinde / pre-mounted screw-cap, female thread BSP											
Art.Nr. Art.N°	Bezeichnung Description	Rohr AD Tube OD	Gewinde G Thread G	Gewinde m	L1	L2	L3	S1	S2	Bar	
489.270	14/2-23/L 06 G	6	1/4"	12x1,5	4,5	14,5	21,5	19	14	315	
489.271	14/2-23/L 08 G	8	1/4"	14x1,5	4,5	14,5	21,5	19	17	315	
489.272	14/2-23/L 10 G	10	1/4"	16x1,5	4,5	14,5	22,0	19	19	315	
489.273	14/2-23/L 12 G	12	1/4"	18x1,5	4,5	14,5	22,0	19	22	315	
489.275	14/2-23/S 06 G	6	1/2"	14x1,5	5,0	20,0	23,0	30	17	630	
489.276	14/2-23/S 08 G	8	1/2"	16x1,5	5,0	20,0	23,5	30	19	630	
489.277	14/2-23/S 10 G	10	1/2"	18x1,5	5,0	20,0	24,0	30	22	630	
489.278	14/2-23/S 12 G	12	1/2"	20x1,5	5,0	20,0	24,0	30	24	630	

Dichtkantenring wird mitgeliefert ! / supplied with seal ring

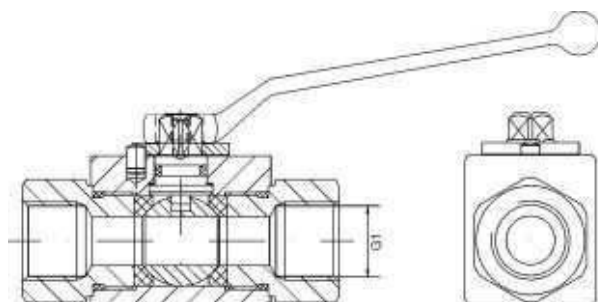
Technische Änderungen vorbehalten.
Measurements may differ.



Blockkugelhahn Typ BKH / Ball valve type BKH

beiderseits AG 24°. Stahlgehäuse, hartverchromt, Viton bzw. PTFE Dichtung, Kompaktbauweise bis max. 500 bar - Betriebstemperatur -20°C bis +250°C / male thread 24° on both sides, steel body and ball, HD chromed, sealing ring viton or PTFE - working range up to 500 bar - temp. range -20°C up to +250°C

Art. Nr. Art. N°	Bezeichnung Description	DN	G1	R1
290.001	BKH 06/12	06	12x1,5	L 06
290.002	BKH 08/14	06	14x1,5	L 08
290.003	BKH 10/16	08	16x1,5	L 10
290.004	BKH 12/18	08	18x1,5	L 12
290.005	BKH 15/22	10	22x1,5	L 15
290.012	BKH 16/24	13	24x1,5	S 16
290.006	BKH 18/26	13	26x1,5	L 18
290.007	BKH 20/30	13	30x2,0	S 20
290.008	BKH 22/30	20	30x2,0	L 22
290.009	BKH 25/36	20	36x2,0	S 25
290.010	BKH 28/36	25	36x2,0	L 28
290.011	BKH 30/42	25	42x2,0	S 30



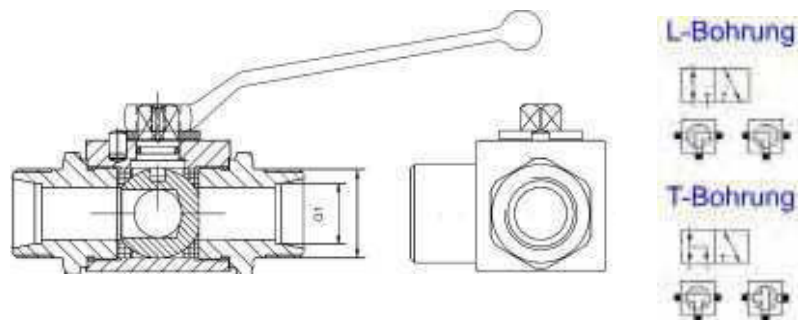
Blockkugelhahn Typ BKH...R / ball valves Type BKH...R

beiderseits Innengewinde BSP / with female thread BSP on both sides

Art. Nr. Art. N°	Bezeichnung Description	DN	G1
290.101	BKH 06 R 1/4"	06	R 1/4"
290.102	BKH 08 R 3/8"	08	R 3/8"
290.103	BKH 12 R 1/2"	13	R 1/2"
290.104	BKH 20 R 3/4"	20	R 3/4"
290.105	BKH 25 R 1"	25	R 1"

Weitere Abmessungen und Materialien auf Anfrage. / Further sizes and materials on request.

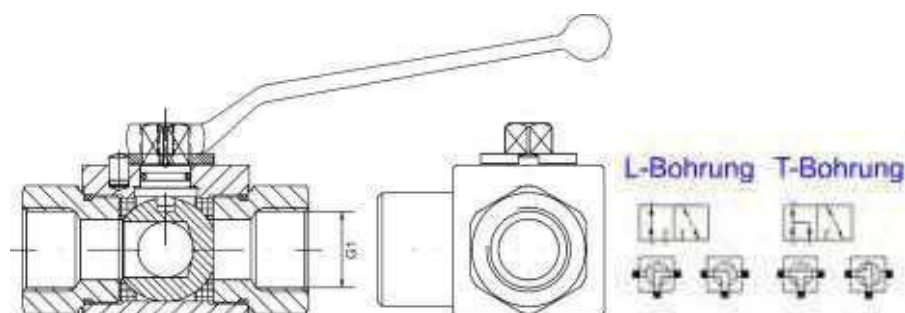
Technische Änderungen vorbehalten.
Measurements may differ.



Dreiwegehahn Typ DKH / three way ball valve Type DKH

allseits Aussengewinde, L-Bohrung, Rohranschluß 24° / male threads on all sides, L-bore, with pipe connector 24°

Art. Nr. Art. N°	Bezeichnung Description	DN	G1	R1
290.200	DKH 10/16 L	08	16 x 1,5	L 10
290.201	DKH 12/18 L	10	18 x 1,5	L 12
290.202	DKH 15/22 L	13	22 x 1,5	L 15
290.203	DKH 18/26 L	13	26 x 1,5	L 18
290.206	DKH 20/30 L	13	30 x 2,0	S 20
290.204	DKH 22/30 L	20	30 x 2,0	L 22
290.207	DKH 25/36 L	20	36 x 2,0	S 25
290.205	DKH 30/42 L	25	42 x 2,0	S 30
290.358	DKH 30/42 T	25	42 x 2,0	S 30

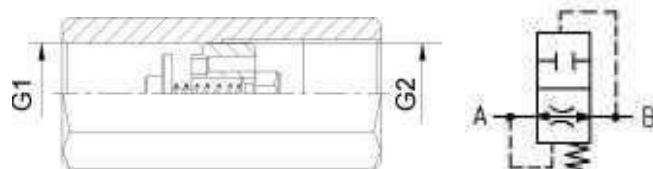


Dreiwegehahn Typ DKH...R / three way ball valves Type DKH...R

allseits Innengewinde, L- oder T-Bohrung, BSP / female BSP threads on all sides, L- or T-bore

Art. Nr. Art. N°	Bezeichnung Description	G1
290.301	DKH 06 R 1/4" L	R 1/4"
290.302	DKH 10 R 3/8" L	R 3/8"
290.303	DKH 12 R 1/2" L	R 1/2"
290.304	DKH 16 R 3/4" L	R 3/4"
290.305	DKH 25 R 1" L	R 1"
290.331	DKH 06 R 1/4" T	R 1/4"
290.332	DKH 10 R 3/8" T	R 3/8"
290.333	DKH 12 R 1/2" T	R 1/2"
290.334	DKH 16 R 3/4" T	R 3/4"
290.335	DKH 20 R 1" T	R 1"

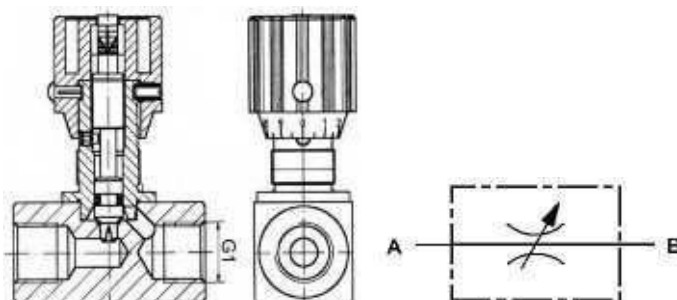
Technische Änderungen vorbehalten.
Measurements may differ.



Rohrbruchsicherung BSP IG Typ RBSI.. / pipe break safety device type RBSI..

Stahlgehäuse, Innengewinde BSP, einstellbar, max. Betriebsdruck 350 bar / steel housing, female thread BSP, adjustable, max. working pressure 350 bar

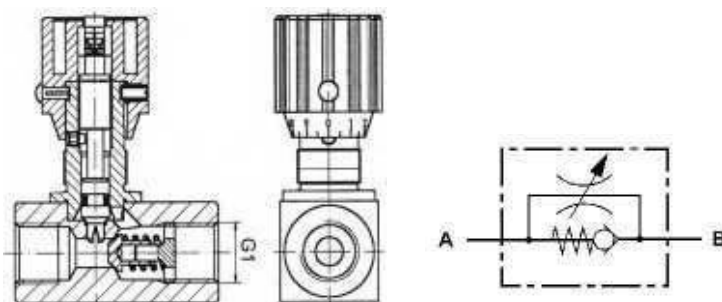
Art. Nr. Art. N°	Bezeichnung Description	G1	G2	WP
290.400	RBSI 1/4"	R 1/4"	R 1/4"	350 bar
290.401	RBSI 3/8"	R 3/8"	R 3/8"	350 bar
290.402	RSBI 1/2"	R 1/2"	R 1/2"	350 bar
290.403	RSBI 3/4"	R 3/4"	R 3/4"	350 bar
290.404	RSBI 1"	R 1"	R 1"	350 bar



Drosselventile Typ DV.. / throttle valve Type DV..

beiderseits Innengewinde BSP / both sides female thread BSP

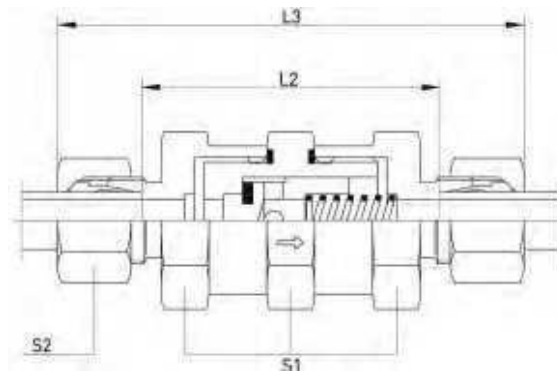
Art. Nr. Art. N°	Bezeichnung Description	G1
290.370	DV 1/4"	R 1/4"
290.371	DV 3/8"	R 3/8"
290.372	DV 1/2"	R 1/2"
290.373	DV 3/4"	R 3/8"
290.374	DV 1"	R 1"



Drosselrückschlagventil Typ DRV.. / One way regulator Type DRV..

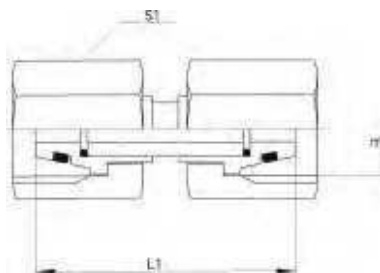
beiderseits Innengewinde BSP / both sides female thread BSP

Art. Nr. Art. N°	Bezeichnung Description	G1
290.380	DRV 1/4"	R 1/4"
290.381	DRV 3/8"	R 3/8"
290.382	DRV 1/2"	R 1/2"
290.383	DRV 3/4"	R 3/4"
290.384	DRV 1"	R 1"



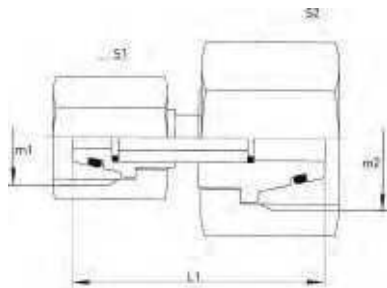
RHD Rückschlagventile Typ 15-53/... / Non-return valves type 15-53/...									
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	L1	L2	L3	S1	S2	Ø Dur.	Bar
461.010	15-53/L 06	6	68	54	83	19	14	4	250
461.011	15-53/L 08	8	68	54	83	19	17	4	250
461.012	15-53/L 10	10	70	56	85	19	19	4	250
461.013	15-53/L 12	12	76	62	91	32	22	8	250
461.014	15-53/L 15	15	81	67	97	41	27	11	250
461.015	15-53/L 18	18	81	66	98	41	32	11	160
461.016	15-53/L 22	22	94	79	111	50	36	18	160
461.017	15-53/L 28	28	94	79	112	50	41	18	100
461.018	15-53/L 35	35	116	95	138	70	50	29	100
461.019	15-53/L 42	42	116	94	139	70	60	29	100
461.020	15-53/S 06	6	72	58	87	19	17	4	400
461.021	15-53/S 08	8	72	58	87	19	19	4	400
461.022	15-53/S 10	10	78	63	95	32	22	7	400
461.023	15-53/S 12	12	78	63	95	32	24	8	400
461.024	15-53/S 14	14	85	69	104	41	27	10	400
461.025	15-53/S 16	16	85	68	104	41	30	11	400
461.026	15-53/S 20	20	98	77	120	50	36	16	400
461.027	15-53/S 25	25	102	78	126	50	46	18	250
461.028	15-53/S 30	30	124	97	150	70	50	25	250
461.029	15-53/S 38	38	128	96	157	70	60	29	250

Technische Änderungen vorbehalten.
Measurements may differ.



DKO-DKO Sonderverschraubung Typ SV.. / DKO-DKO adapter Type SV..					
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	S1
401.000	SV 06L/06L	6	12x1,5	40	14
401.042	SV 08L/08L	8	14x1,5	40	17
401.084	SV 10L/10L	10	16x1,5	39	19
401.126	SV 12L/12L	12	18x1,5	39	22
401.189	SV 15L/15L	15	22x1,5	45	27
401.231	SV 18L/18L	18	26x1,5	43	32
401.273	SV 22L/22L	22	30x2,0	48	36
401.315	SV 28L/28L	28	36x2,0	49	41
401.357	SV 35L/35L	35	45x2,0	60	50
401.380	SV 42L/42L	42	52x2,0	60	60
401.021	SV 06S/06S	6	14x1,5	37	17
401.063	SV 08S/08S	8	16x1,5	38	19
401.105	SV 10S/10S	10	18x1,5	44	22
401.147	SV 12S/12S	12	20x1,5	41	24
401.168	SV 14S/14S	14	22x1,5	44	27
401.210	SV 16S/16S	16	24x1,5	51	30
401.252	SV 20S/20S	20	30x2,0	56	36
401.294	SV 25S/25S	25	36x2,0	60	46
401.336	SV 30S/30S	30	42x2,0	62	50
401.378	SV 38S/38S	38	52x2,0	70	60

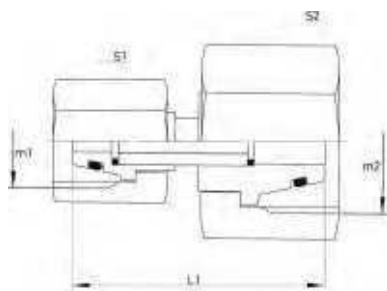
Technische Änderungen vorbehalten.
Measurements may differ.



DKO-DKO Sonderverschraubung Typ SV / DKO-DKO adapter Type SV								
Art. Nr. Art. N°	Bezeichnung Description	Rohr R1 Tube R1	Rohr R2 Tube R2	Gewinde m1 Thread m1	Gewinde m2 Thread m2	L1	S1	S2
401.001	SV 06L/06S	L 06	S 06	12x1,5	14x1,5	28	14	17
401.002	SV 06L/08L	L 06	L 08	12x1,5	14x1,5	31	14	17
401.003	SV 06L/08S	L 06	S 08	12x1,5	16x1,5	31	14	19
401.004	SV 06L/10L	L 06	L 10	12x1,5	16x1,5	32	14	19
401.006	SV 06L/12L	L 06	L 12	12x1,5	18x1,5	32	14	22
401.023	SV 06S/08S	S 06	S 08	14x1,5	16x1,5	31	17	19
401.025	SV 06S/10S	S 06	S 10	14x1,5	18x1,5	32	17	22
401.043	SV 08L/08S	L 08	S 08	14x1,5	16x1,5	33	17	19
401.044	SV 08L/10L	L 08	L 10	14x1,5	16x1,5	34	17	19
401.045	SV 08L/10S	L 08	S 10	14x1,5	18x1,5	34	17	22
401.046	SV 08L/12L	L 08	L 12	14x1,5	18x1,5	34	17	22
401.047	SV 08L/12S	L 08	S 12	14x1,5	20x1,5	33	17	24
401.049	SV 08L/15L	L 08	L 15	14x1,5	22x1,5	35	17	27
401.065	SV 08S/10S	S 08	S 10	16x1,5	18x1,5	35	19	22
401.066	SV 08S/12S	S 08	S 12	16x1,5	20x1,5	33	19	24
401.085	SV 10L/10S	L 10	S 10	16x1,5	18x1,5	39	19	22
401.086	SV 10L/12L	L 10	L 12	16x1,5	18x1,5	38	19	22
401.087	SV 10L/12S	L 10	S 12	16x1,5	20x1,5	37	19	24
401.088	SV 10L/14S	L 10	S 14	16x1,5	22x1,5	39	19	27
401.089	SV 10L/15L	L 10	L 15	16x1,5	22x1,5	37	19	27
401.090	SV 10L/16S	L 10	S 16	16x1,5	24x1,5	39	19	30
401.106	SV 10S/12L	S 10	L 12	18x1,5	18x1,5	38	22	22
401.107	SV 10S/12S	S 10	S 12	18x1,5	20x1,5	37	22	24
401.108	SV 10S/14S	S 10	S 14	18x1,5	22x1,5	39	22	27
401.127	SV 12L/12S	L 12	S 12	18x1,5	20x1,5	37	22	24
401.128	SV 12L/14S	L 12	S 14	18x1,5	22x1,5	38	22	27
401.129	SV 12L/15L	L 12	L 15	18x1,5	22x1,5	36	22	27
401.130	SV 12L/16S	L 12	S 16	18x1,5	24x1,5	38	22	30
401.131	SV 12L/18L	L 12	L 18	18x1,5	26x1,5	36	22	32
401.132	SV 12L/20S	L 12	S 20	18x1,5	30x2,0	41	22	36
401.148	SV 12S/14S	S 12	S 14	20x1,5	22x1,5	38	24	27
401.149	SV 12S/15L	S 12	L 15	20x1,5	22x1,5	35	24	27
401.150	SV 12S/16S	S 12	S 16	20x1,5	24x1,5	38	24	30
401.152	SV 12S/20S	S 12	S 20	20x1,5	30x2,0	38	24	36
401.169	SV 14S/15L	S 14	L 15	22x1,5	22x1,5	37	27	27
401.170	SV 14S/16S	S 14	S 16	22x1,5	24x1,5	39	27	30
401.171	SV 14S/18L	S 14	L 18	22x1,5	26x1,5	37	27	32
401.172	SV 14S/20S	S 14	S 20	22x1,5	30x2,0	42	27	36

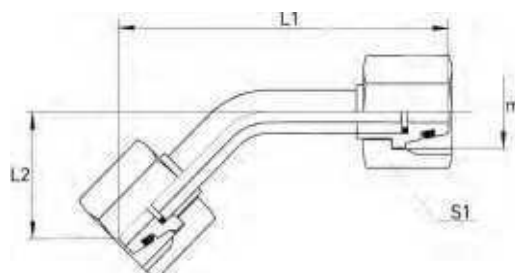
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Technische Änderungen vorbehalten.
Measurements may differ.



DKO-DKO Sonderverschraubung Typ SV / DKO-DKO adapter Type SV								
Art. Nr. Art. N°	Bezeichnung Description	Rohr R1 Tube R1	Rohr R2 Tube R2	Gewinde m1 Thread m1	Gewinde m2 Thread m2	L1	S1	S2
401.190	SV 15L/16S	L 15	S 16	22x1,5	24x1,5	41	27	30
401.191	SV 15L/18L	L 15	L 18	22x1,5	26x1,5	39	27	32
401.192	SV 15L/20S	L 15	S 20	22x1,5	30x2,0	44	27	36
401.193	SV 15L/22L	L 15	L 22	22x1,5	30x2,0	39	27	36
401.194	SV 15L/25S	L 15	S 25	22x1,5	36x2,0	44	27	46
401.211	SV 16S/18L	S 16	L 18	24x1,5	26x1,5	41	30	36
401.212	SV 16S/20S	S 16	S 20	24x1,5	30x2,0	45	30	36
401.213	SV 16S/22L	S 16	L 22	24x1,5	30x2,0	40	30	30
401.214	SV 16S/25S	S 16	S 25	24x1,5	36x2,0	46	30	32
401.230	SV 18L/18L-M27X2	L 18	L18 27x2	26x1,5	27x2,0	38	32	32
401.232	SV 18L/20S	L 18	S 20	26x1,5	30x2,0	45	32	36
401.233	SV 18L/22L	L 18	L 22	26x1,5	30x2,0	41	32	36
401.234	SV 18L/25S	L 18	S 25	26x1,5	36x2,0	47	32	46
401.235	SV 18L/28L	L 18	L 28	26x1,5	36x2,0	42	32	41
401.236	SV 18L/30S	L 18	S 30	26x1,5	42x2,0	45	32	50
401.253	SV 20S/22L	S 20	L 22	30x2,0	30x2,0	46	36	36
401.254	SV 20S/25S	S 20	S 25	30x2,0	36x2,0	51	36	46
401.255	SV 20S/28L	S 20	L 28	30x2,0	36x2,0	46	36	41
401.274	SV 22L/25S	L 22	S 25	30x2,0	36x2,0	48	36	46
401.275	SV 22L/28L	L 22	L 28	30x2,0	36x2,0	44	36	41
401.276	SV 22L/30S	L 22	S 30	30x2,0	42x2,0	48	36	50
401.277	SV 22L/35L	L 22	L 35	30x2,0	45x2,0	45	36	50
401.278	SV 22L/38S	L 22	S 38	30x2,0	52x2,0	53	36	60
401.295	SV 25S/28L	S 25	L 28	36x2,0	36x2,0	49	46	41
401.296	SV 25S/30S	S 25	S 30	36x2,0	42x2,0	52	46	50
401.297	SV 25S/35L	S 25	L 35	36x2,0	45x2,0	50	46	50
401.298	SV 25S/38S	S 25	S 38	36x2,0	52x2,0	58	46	60
401.316	SV 28L/30S	L 28	S 30	36x2,0	42x2,0	46	41	50
401.317	SV 28L/35L	L 28	L 35	36x2,0	45x2,0	46	41	50
401.318	SV 28L/38S	L 28	S 38	36x2,0	52x2,0	54	41	60
401.319	SV 28L/42L	L 28	L 42	36x2,0	52x2,0	51	41	60
401.337	SV 30S/35L	S 30	L 35	42x2,0	45x2,0	53	50	50
401.338	SV 30S/38S	S 30	S 38	42x2,0	52x2,0	57	50	60
401.339	SV 30S/42L	S 30	L 42	42x2,0	52x2,0	53	50	60
401.358	SV 35L/38S	L 35	S 38	45x2,0	52x2,0	53	50	60
401.359	SV 35L/42L	L 35	L 42	45x2,0	52x2,0	54	50	60
401.379	SV 38S/42L	S 38	L 42	52x2,0	52x2,0	54	60	60

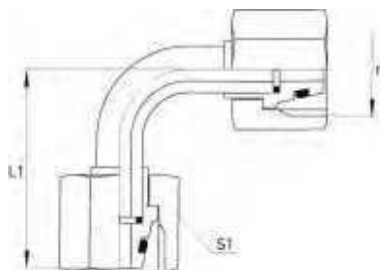
Technische Änderungen vorbehalten.
Measurements may differ.



45° DKO-DKO Winkel-Sonderschraubung Typ WSV.../4 / 45° DKO-DKO elbow adapter Type WSV.../4					
Art. Nr. Art. N°	Bezeichnung Description	Gewinde m Thread m	L1	L2	S1
401.400	WSV 06L/06L/45°	12x1,5	48	17	14
401.442	WSV 08L/08L/45°	14x1,5	52	19	17
401.484	WSV 10L/10L/45°	16x1,5	58	23	19
401.526	WSV 12L/12L/45°	18x1,5	55	23	22
401.589	WSV 15L/15L/45°	22x1,5	64	23	27
401.631	WSV 18L/18L/45°	26x1,5	63	24	32
401.673	WSV 22L/22L/45°	30x2,0	76	32	36
401.715	WSV 28L/28L/45°	36x2,0	74	32	41
401.757	WSV 35L/35L/45°	45x2,0	82	34	50
401.780	WSV 42L/42L/45°	52x2,0	90	38	60
401.421	WSV 06S/06S/45°	14x1,5	47	16	17
401.463	WSV 08S/08S/45°	16x1,5	51	18	19
401.505	WSV 10S/10S/45°	18x1,5	53	22	22
401.547	WSV 12S/12S/45°	20x1,5	52	20	24
401.568	WSV 14S/14S/45°	22x1,5	58	22	27
401.610	WSV 16S/16S/45°	24x1,5	66	24	30
401.652	WSV 20S/20S/45°	30x2,0	71	27	36
401.694	WSV 25S/25S/45°	36x2,0	81	34	46
401.736	WSV 30S/30S/45°	42x2,0	81	33	50
401.778	WSV 38S/38S/45°	52x2,0	91	38	60

Weitere Größen auf Anfrage
Further sizes on request.

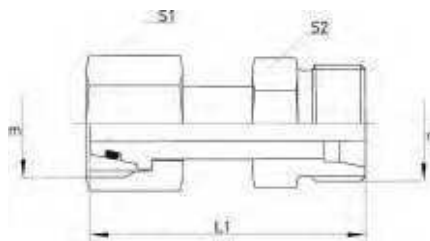
Technische Änderungen vorbehalten.
Measurements may differ.



90° DKO-DKO Winkel-Sonderverschraubung Typ WSV.../9 / 90° DKO-DKO elbow adapter Type WSV.../9				
Art. Nr. Art. N°	Bezeichnung Description	Gewinde m Thread m	L1	S1
401.800	WSV 06L/06L/90°	12x1,5	26	14
401.842	WSV 08L/08L/90°	14x1,5	30	17
401.884	WSV 10L/10L/90°	16x1,5	34	19
401.926	WSV 12L/12L/90°	18x1,5	34	22
401.989	WSV 15L/15L/90°	22x1,5	43	27
402.031	WSV 18L/18L/90°	26x1,5	49	32
402.073	WSV 22L/22L/90°	30x2,0	62	36
402.115	WSV 28L/28L/90°	36x2,0	71	41
402.157	WSV 35L/35L/90°	45x2,0	84	50
402.180	WSV 42L/42L/90°	52x2,0	90	60
401.821	WSV 06S/06S/90°	14x1,5	26	17
401.863	WSV 08S/08S/90°	16x1,5	31	19
401.905	WSV 10S/10S/90°	18x1,5	35	22
401.947	WSV 12S/12S/90°	20x1,5	36	24
401.968	WSV 14S/14S/90°	22x1,5	37	27
402.010	WSV 16S/16S/90°	24x1,5	45	30
402.052	WSV 20S/20S/90°	30x2,0	54	36
402.094	WSV 25S/25S/90°	36x2,0	65	46
402.136	WSV 30S/30S/90°	42x2,0	76	50
402.178	WSV 38S/38S/90°	52x2,0	84	60

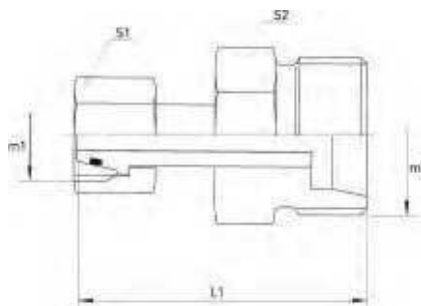
Weitere Größen auf Anfrage.
Further sizes on request.

Technische Änderungen vorbehalten.
Measurements may differ.



Sonderverschraubung Typ SVA.. / Extra joinings Type SVA.. DKO-CE/ One side screw cap - other side male thread						
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube AD	Gewinde m Thread m	L1	S1	S2
402.200	SVA 06L/06L	6	12x1,5	33	14	14
402.242	SVA 08L/08L	8	14x1,5	34	17	14
402.284	SVA 10L/10L	10	16x1,5	36	19	17
402.326	SVA 12L/12L	12	18x1,5	36	22	19
402.389	SVA 15L/15L	15	22x1,5	42	27	22
402.431	SVA 18L/18L	18	26x1,5	41	32	27
402.473	SVA 22L/22L	22	30x2,0	48	36	30
402.515	SVA 28L/28L	28	36x2,0	49	41	36
402.557	SVA 35L/35L	35	45x2,0	55	50	46
402.580	SVA 42L/42L	42	52x2,0	60	60	55
402.221	SVA 06S/06S	6	14x1,5	34	17	14
402.263	SVA 08S/08S	8	16x1,5	38	19	17
402.305	SVA 10S/10S	10	18x1,5	39	22	19
402.347	SVA 12S/12S	12	20x1,5	41	22	22
402.368	SVA 14S/14S	14	22x1,5	45	27	22
402.410	SVA 16S/16S	16	24x1,5	47	30	24
402.452	SVA 20S/20S	20	30x2,0	57	36	30
402.494	SVA 25S/25S	25	36x2,0	58	46	36
402.536	SVA 30S/30S	30	42x2,0	66	50	46
402.578	SVA 38S/38S	38	52x2,0	73	60	55

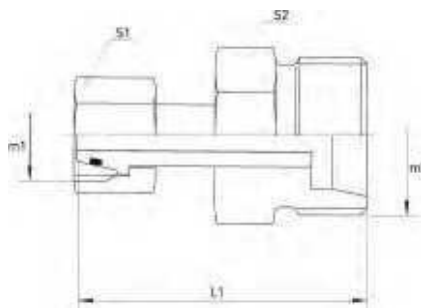
Technische Änderungen vorbehalten.
Measurements may differ.



Sonderverschraubung Typ SVA / Extra joinings Type SVA								
DKO-CE / One side screw cap - other side male thread								
Art. Nr. Art. N°	Bezeichnung Description	Rohr R1 Tube R1	Rohr R2 Tube R2	Gewinde m1 Thread m1	Gewinde m2 Thread m2	L1	S1	S2
402.201	SVA 06L/06S	L 06	S 06	12x1,5	14x1,5	35	14	14
402.202	SVA 06L/08L	L 06	L 08	12x1,5	14x1,5	32	14	14
402.203	SVA 06L/08S	L 06	S 08	12x1,5	16x1,5	35	14	17
402.204	SVA 06L/10L	L 06	L 10	12x1,5	16x1,5	34	14	17
402.205	SVA 06L/10S	L 06	S 10	12x1,5	18x1,5	35	17	19
402.220	SVA 06S/06L	S 06	L 06	14x1,5	12x1,5	31	17	14
402.223	SVA 06S/08S	S 06	S 08	14x1,5	16x1,5	34	17	17
402.225	SVA 06S/10S	S 06	S 10	14x1,5	18x1,5	34	17	19
402.243	SVA 08L/08S	L 08	S 08	14x1,5	16x1,5	37	17	17
402.244	SVA 08L/10L	L 08	L 10	14x1,5	16x1,5	37	17	17
402.245	SVA 08L/10S	L 08	S 10	14x1,5	18x1,5	37	17	19
402.246	SVA 08L/12L	L 08	L 12	14x1,5	18x1,5	36	17	19
402.247	SVA 08L/12S	L 08	S 12	14x1,5	20x1,5	37	17	22
402.262	SVA 08S/08L	S 08	L 08	16x1,5	14x1,5	35	19	14
402.264	SVA 08S/10L	S 08	L 10	16x1,5	16x1,5	37	19	17
402.265	SVA 08S/10S	S 08	S 10	16x1,5	18x1,5	38	19	19
402.267	SVA 08S/12S	S 08	S 12	16x1,5	20x1,5	38	19	22
402.280	SVA 10L/06L	L 10	L 06	16x1,5	12x1,5	36	19	17
402.285	SVA 10L/10S	L 10	S 10	16x1,5	18x1,5	37	19	19
402.286	SVA 10L/12L	L 10	L 12	16x1,5	18x1,5	36	19	19
402.287	SVA 10L/12S	L 10	S 12	16x1,5	20x1,5	37	19	22
402.288	SVA 10L/14S	L 10	S 14	16x1,5	22x1,5	40	19	22
402.289	SVA 10L/15L	L 10	L 15	16x1,5	22x1,5	38	19	22
402.290	SVA 10L/16S	L 10	S 16	16x1,5	24x1,5	41	19	27
402.304	SVA 10S/10L	S 10	L 10	18x1,5	16x1,5	38	22	17
402.307	SVA 10S/12S	S 10	S 12	18x1,5	20x1,5	39	22	22
402.308	SVA 10S/14S	S 10	S 14	18x1,5	22x1,5	42	22	22
402.310	SVA 10S/16S	S 10	S 16	18x1,5	24x1,5	43	22	27
402.322	SVA 12L/08L	L 12	L 08	18x1,5	14x1,5	41	22	14
402.324	SVA 12L/10L	L 12	L 10	18x1,5	16x1,5	42	22	17
402.327	SVA 12L/12S	L 12	S 12	18x1,5	20x1,5	37	22	22
402.328	SVA 12L/14S	L 12	S 14	18x1,5	22x1,5	40	22	22
402.329	SVA 12L/15L	L 12	L 15	18x1,5	22x1,5	38	22	22
402.330	SVA 12L/16S	L 12	S 16	18x1,5	24x1,5	41	22	27
402.331	SVA 12L/18L	L 12	L 18	18x1,5	26x1,5	39	22	27
402.346	SVA 12S/12L	S 12	L 12	20x1,5	18x1,5	40	22	19
402.348	SVA 12S/14S	S 12	S 14	20x1,5	22x1,5	44	24	22
402.350	SVA 12S/16S	S 12	S 16	20x1,5	24x1,5	45	24	27
402.352	SVA 12S/20S	S 12	S 20	20x1,5	30x2,0	48	24	30
402.369	SVA 14S/15L	S 14	L 15	22x1,5	22x1,5	43	27	22
402.370	SVA 14S/16S	S 14	S 16	22x1,5	24x1,5	46	27	27
402.371	SVA 14S/18L	S 14	L 18	22x1,5	26x1,5	44	27	27
402.372	SVA 14S/20S	S 14	S 20	22x1,5	30x2,0	49	30	27

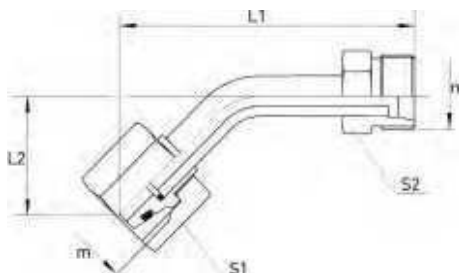
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Technische Änderungen vorbehalten.
Measurements may differ.



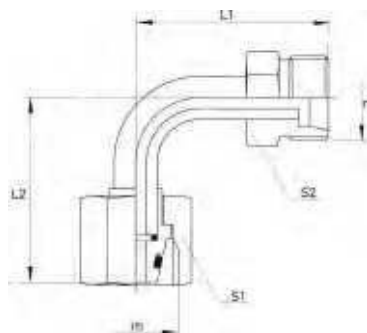
Sonderverschraubung Typ SVA / Extra joinings Type SVA								
DKO-CE / One side screw cap - other side male thread								
Art. Nr. Art. N°	Bezeichnung Description	Rohr R1 Tube R1	Rohr R2 Tube R2	Gewinde m1 Thread m1	Gewinde m2 Thread m2	L1	S1	S2
402.384	SVA 15L/10L	L 15	L 10	22x1,5	16x1,5	40	27	17
402.386	SVA 15L/12L	L 15	L 12	22x1,5	18x1,5	40	27	19
402.390	SVA 15L/16S	L 15	S 16	22x1,5	24x1,5	45	27	24
402.391	SVA 15L/18L	L 15	L 18	22x1,5	26x1,5	42	27	27
402.392	SVA 15L/20S	L 15	S 20	22x1,5	30x2,0	45	27	30
402.393	SVA 15L/22L	L 15	L 22	22x1,5	30x2,0	45	27	30
402.411	SVA 16S/18L	S 16	L 18	24x1,5	26x1,5	45	30	27
402.412	SVA 16S/20S	S 16	S 20	24x1,5	30x2,0	50	30	30
402.413	SVA 16S/22L	S 16	L 22	24x1,5	30x2,0	48	30	30
402.414	SVA 16S/25S	S 16	S 25	24x1,5	36x2,0	54	30	36
402.432	SVA 18L/20S	L 18	S 20	26x1,5	30x2,0	46	32	30
402.459	SVA 18L/15L	L 18	L 15	26x1,5	22x1,5	50	32	22
402.433	SVA 18L/22L	L 18	L 22	26x1,5	30x2,0	44	32	30
402.434	SVA 18L/25S	L 18	S 25	26x1,5	36x2,0	50	32	36
402.435	SVA 18L/28L	L 18	L 28	26x1,5	36x2,0	45	32	36
402.438	SVA 18L/18L	L 18 27x2	L 18 27x2	27x2,0	27x2,0	49	32	27
402.439	SVA 18L/18L	L 18 27x1,5	L 18 27x1,5	27x1,5	27x1,5	40	32	27
402.446	SVA 20S/12L	S 20	L 12	30x2,0	18x1,5	50	36	19
402.453	SVA 20S/22L	S 20	L 22	30x2,0	30x2,0	55	36	30
402.454	SVA 20S/25S	S 20	S 25	30x2,0	36x2,0	61	36	36
402.455	SVA 20S/28L	S 20	L 28	30x2,0	36x2,0	56	36	36
402.456	SVA 20S/30S	S 20	S 30	30x2,0	42x2,0	63	36	46
402.474	SVA 22L/25S	L 22	S 25	30x2,0	36x2,0	54	36	36
402.475	SVA 22L/28L	L 22	L 28	30x2,0	36x2,0	49	36	36
402.476	SVA 22L/30S	L 22	S 30	30x2,0	42x2,0	56	36	46
402.477	SVA 22L/35L	L 22	L 35	30x2,0	45x2,0	52	36	46
402.495	SVA 25S/28L	S 25	L 28	36x2,0	36x2,0	53	46	36
402.496	SVA 25S/30S	S 25	S 30	36x2,0	42x2,0	60	46	46
402.497	SVA 25S/35L	S 25	L 35	36x2,0	45x2,0	56	46	46
402.498	SVA 25S/38S	S 25	S 38	36x2,0	52x2,0	65	46	55
402.516	SVA 28L/30S	L 28	S 30	36x2,0	42x2,0	56	41	46
402.517	SVA 28L/35L	L 28	L 35	36x2,0	45x2,0	52	41	46
402.518	SVA 28L/38S	L 28	S 38	36x2,0	52x2,0	61	41	55
402.519	SVA 28L/42L	L 28	L 42	36x2,0	52x2,0	55	41	55
402.537	SVA 30S/35L	S 30	L 35	42x2,0	45x2,0	62	50	46
402.538	SVA 30S/38S	S 30	S 38	42x2,0	52x2,0	71	50	55
402.539	SVA 30S/42L	S 30	L 42	42x2,0	52x2,0	65	50	55
402.558	SVA 35L/38S	L 35	S 38	45x2,0	52x2,0	64	50	55
402.559	SVA 35L/42L	L 35	L 42	45x2,0	52x2,0	58	50	55
402.579	SVA 38S/42L	S 38	L 42	52x2,0	52x2,0	70	60	55

Technische Änderungen vorbehalten.
Measurements may differ.



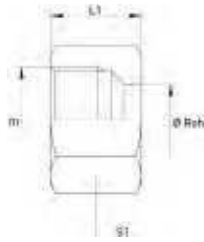
45° DKO-CE Winkel-Sonderschraubung Typ WSV.../4 /							
45° DKO-CE elbow adapter Type WSV.../4							
One side screw cap - other side male thread							
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	S1	S2
402.600	WSVA 06L/06L/45°	6	12 x1,5	53	17	14	12
402.642	WSVA 08L/08L/45°	8	14 x1,5	54	19	17	14
402.684	WSVA 10L/10L/45°	10	16 x1,5	63	23	19	17
402.726	WSVA 12L/12L/45°	12	18 x1,5	64	20	22	19
402.789	WSVA 15L/15L/45°	15	22x1,5	70	23	27	22
402.831	WSVA 18L/18L/45°	18	26x1,5	68	24	32	27
402.873	WSVA 22L/22L/45°	22	30x2,0	82	32	36	30
402.915	WSVA 28L/28L/45°	28	36x2,0	81	32	41	36
402.957	WSVA 35L/35L/45°	35	45x2,0	89	34	50	46
402.980	WSVA 42L/42L/45°	42	52x2,0	99	38	60	50
402.621	WSVA 06S/06S/45°	6	14x1,5	53	16	17	14
402.663	WSVA 08S/08S/45°	8	16x1,5	56	19	19	17
402.705	WSVA 10S/10S/45°	10	18x1,5	55	22	22	19
402.747	WSVA 12S/12S/45°	12	20x1,5	57	20	24	22
402.768	WSVA 14S/14S/45°	14	22x1,5	63	22	27	22
402.810	WSVA 16S/16S/45°	16	24x1,5	70	24	30	24
402.852	WSVA 20S/20S/45°	20	30x2,0	76	27	36	30
402.894	WSVA 25S/25S/45°	25	36x2,0	91	34	46	36
402.936	WSVA 30S/30S/45°	30	42x2,0	93	33	50	46
402.978	WSVA 38S/38S/45°	38	52x2,0	125	45	60	55

Technische Änderungen vorbehalten.
Measurements may differ.

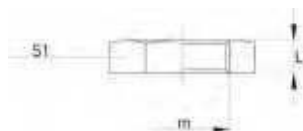


90° DKO-CE Winkel-Sonderschraubung Typ WSV.../9 / 90° DKO-CE elbow adapter Type WSV.../9 One side screw cap - other side male thread							
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	L2	S1	S2
403.000	WSVA 06L/06L/90°	6	12x1,5	30	26	14	14
403.042	WSVA 08L/08L/90°	8	14x1,5	32	30	17	14
403.084	WSVA 10L/10L/90°	10	16x1,5	40	34	19	17
403.126	WSVA 12L/12L/90°	12	18x1,5	36	36	22	19
403.189	WSVA 15L/15L/90°	15	22x1,5	49	43	27	22
403.231	WSVA 18L/18L/90°	18	26x1,5	54	49	32	27
403.273	WSVA 22L/22L/90°	22	30x2,0	68	62	36	36
403.315	WSVA 28L/28L/90°	28	36x2,0	77	71	41	36
403.357	WSVA 35L/35L/90°	35	45x2,0	91	84	50	46
403.380	WSVA 42L/42L/90°	42	52x2,0	100	90	60	55
403.021	WSVA 06S/06S/90°	6	14x1,5	33	26	17	14
403.063	WSVA 08S/08S/90°	8	16x1,5	35	32	19	17
403.105	WSVA 10S/10S/90°	10	18x1,5	38	35	22	19
403.147	WSVA 12S/12S/90°	12	20x1,5	40	36	24	22
403.168	WSVA 14S/14S/90°	14	22x1,5	41	37	27	22
403.210	WSVA 16S/16S/90°	16	24x1,5	49	45	30	24
403.252	WSVA 20S/20S/90°	20	30x2,0	59	54	36	30
403.294	WSVA 25S/25S/90°	25	36x2,0	77	65	46	36
403.336	WSVA 30S/30S/90°	30	42x2,0	90	76	50	46
403.378	WSVA 38S/38S/90°	38	52x2,0	96	87	60	55

Technische Änderungen vorbehalten.
Measurements may differ.



Überwurfmutter Typ 15-30/... / Screw cap type 15-30/...					
Art. Nr. Art. N°	Bezeichnung Description	Ø Rohr Ø Tube	Gewinde m Thread m	L1	S1
415.001	15-30/LL 04	4	8x1,0	11,0	10
415.002	15-30/LL 05	5	10x1,0	11,5	12
415.003	15-30/LL 06	6	10x1,0	11,5	12
415.004	15-30/LL 08	8	12x1,0	12,0	14
415.010	15-30/L 06	6	12x1,5	14,5	14
415.011	15-30/L 08	8	14x1,5	14,5	17
415.012	15-30/L 10	10	16x1,5	15,5	19
415.013	15-30/L 12	12	18x1,5	15,5	22
415.014	15-30/L 15	15	22x1,5	17,0	27
415.015	15-30/L 18	18	26x1,5	18,0	32
415.016	15-30/L 22	22	30x2,0	20,0	36
415.017	15-30/L 28	28	36x2,0	21,0	41
415.018	15-30/L 35	35	45x2,0	24,0	50
415.019	15-30/L 42	42	52x2,0	24,0	60
415.020	15-30/S 06	6	14x1,5	16,5	17
415.021	15-30/S 08	8	16x1,5	16,5	19
415.022	15-30/S 10	10	18x1,5	17,5	22
415.023	15-30/S 12	12	20x1,5	17,5	24
415.024	15-30/S 14	14	22x1,5	20,5	27
415.025	15-30/S 16	16	24x1,5	20,5	30
415.026	15-30/S 20	20	30x2,0	24,0	36
415.027	15-30/S 25	25	36x2,0	27,0	46
415.028	15-30/S 30	30	42x2,0	29,0	50
415.029	15-30/S 38	38	52x2,0	32,5	60



Kontermutter Typ 15-32/... / Lock nut type 15-32/...					
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	Gewinde m Thread m	L1	S1
415.410	15-32/L 06	6	M 12x1,5	6	17
415.411	15-32/L 08	8	M 14x1,5	6	19
415.412	15-32/L 10	10	M 16x1,5	6	22
415.413	15-32/L 12	12	M 18x1,5	6	24
415.414	15-32/L 15	15	M 22x1,5	7	30
415.415	15-32/L 18	18	M 26x1,5	8	36
415.416	15-32/L 22	22	M 30x2,0	8	41
415.417	15-32/L 28	28	M 36x2,0	9	46
415.418	15-32/L 35	35	M 45x2,0	9	55
415.419	15-32/L 42	42	M 52x2,0	10	65
415.411	15-32/S 06	6	M 14x1,5	6	19
415.412	15-32/S 08	8	M 16x1,5	6	22
415.413	15-32/S 10	10	M 18x1,5	6	24
415.423	15-32/S 12	12	M 20x1,5	6	27
415.414	15-32/S 14	14	M 22x1,5	7	30
415.425	15-32/S 16	16	M 24x1,5	7	32
415.416	15-32/S 20	20	M 30x2,0	8	41
415.417	15-32/S 25	25	M 36x2,0	9	46
415.428	15-32/S 30	30	M 42x2,0	9	50
415.419	15-32/S 38	38	M 52x2,0	10	65

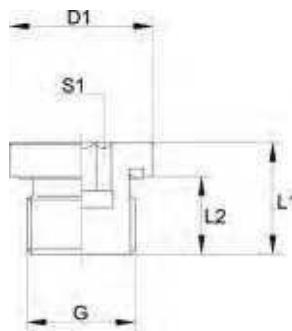


S1

ROV Verschlusschraube Typ 15-360/.. / Coupling plugs type 15-360/..						
Für 24°-Konus, Bohrungsform W, DIN 3861 / for inner cone 24°, port form W, DIN 3861						
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	Gewinde Thread	L1	L2	S1
412.310	15-360/L 06	6	12x1,5	14	10	12
412.311	15-360/L 08	8	14x1,5	15	10	14
412.312	15-360/L 10	10	16x1,5	16	11	17
412.313	15-360/L 12	12	18x1,5	17	11	19
412.314	15-360/L 15	15	22x1,5	18	12	24
412.315	15-360/L 18	18	26x1,5	19	12	27
412.316	15-360/L 22	22	30x2,0	21	14	32
412.317	15-360/L 28	28	36x2,0	22	14	41
412.318	15-360/L 35	35	45x2,0	25	16	46
412.319	15-360/L 42	42	52x2,0	27	16	55
412.320	15-360/S 06	6	14x1,5	18	12	14
412.321	15-360/S 08	8	16x1,5	20	12	17
412.322	15-360/S 10	10	18x1,5	20	12	19
412.323	15-360/S 12	12	20x1,5	22	12	22
412.324	15-360/S 14	14	22x1,5	24	14	24
412.325	15-360/S 16	16	24x1,5	24	14	27
412.326	15-360/S 20	20	30x2,0	28	16	32
412.327	15-360/S 25	25	36x2,0	32	18	41
412.328	15-360/S 30	30	42x2,0	34	20	46
412.329	15-360/S 38	38	52x2,0	39	22	55



VKA Verschlussbutzen Typ 15-370/.. / Coupling plugs type 15-370/..				
Für 24°-Konus, Bohrungsform W, DIN 3861, O-Ring / for inner cone 24°, port form W, DIN 3861, o-ring				
Art. Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD	L1	D1
417.710	15-370/L 06	6	17	6
417.711	15-370/L 08	8	17	8
417.712	15-370/L 10	10	20	10
417.713	15-370/L 12	12	21	12
417.714	15-370/L 15	15	21	15
417.715	15-370/L 18	18	23	18
417.716	15-370/L 22	22	23	22
417.717	15-370/L 28	28	25	28
417.718	15-370/L 35	35	29	35
417.719	15-370/L 42	42	30	42
417.710	15-370/S 06	6	17	6
417.711	15-370/S 08	8	17	8
417.712	15-370/S 10	10	20	10
417.713	15-370/S 12	12	21	12
417.724	15-370/S 14	14	23	14
417.725	15-370/S 16	16	24	16
417.726	15-370/S 20	20	28	20
417.727	15-370/S 25	25	31	25
417.728	15-370/S 30	30	34	30
417.729	15-370/S 38	38	38	38



VSTI BSP Verschlussstopfen Typ 15-34/G..

BSP drain plugs type 15-34/G..

Art. Nr. Art. N°	Bezeichnung Description	G	D1	L1	L2	S1	Bar
415.842	15-34/G 1/8"	1/8"	14	12,0	8	5	400
415.843	15-34/G 1/4"	1/4"	19	17,0	12	6	400
415.844	15-34/G 3/8"	3/8"	22	17,0	12	8	400
415.845	15-34/G 1/2"	1/2"	27	19,0	14	10	400
415.846	15-34/G 3/4"	3/4"	32	21,0	16	12	400
415.847	15-34/G 1"	1"	40	22,5	16	17	400
415.848	15-34/G 1 1/4"	1 1/4"	50	22,5	16	22	250
415.849	15-34/G 1 1/2"	1 1/2"	55	22,5	16	24	250

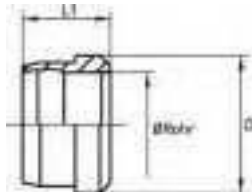


VSTI M-Verschlussstopfen Typ 15-34/M..

Drain plugs type 15-34/M..

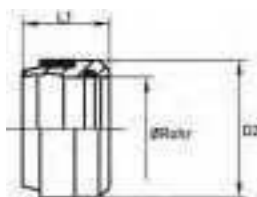
Art. Nr. Art. N°	Bezeichnung Description	M	D1	L1	L2	S1	Bar
415.830	15-34/M10X1	10x1,0	14	12,0	8	5	400
415.831	15-34/M12X1,5	12x1,5	17	17,0	12	6	400
415.832	15-34/M14X1,5	14x1,5	19	17,0	12	6	400
415.833	15-34/M16X1,5	16x1,5	22	17,0	12	8	400
415.834	15-34/M18X1,5	18x1,5	24	17,0	12	8	400
415.835	15-34/M20X1,5	20x1,5	26	19,0	14	10	400
415.836	15-34/M22X1,5	22x1,5	27	19,0	14	10	400
415.837	15-34/M26X1,5	26x1,5	32	21,0	16	12	400
415.838	15-34/M27X2	27x2,0	32	21,0	16	12	400
415.839	15-34/M33X2	33x2,0	40	22,5	16	17	400
415.840	15-34/M42X2	42x2,0	50	22,5	16	22	250
415.841	15-34/M48X2	48x2,0	55	22,5	16	24	250

Technische Änderungen vorbehalten.
Measurements may differ.



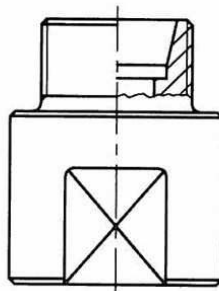
Schneidring Typ 15-31/... / Cutting ring type 15-31/...				
Art. Nr. Art. N°	Bezeichnung Description	Ø Rohr Ø Tube	L1	D1
415.201	15-31/LL 04	4	6,0	6
415.202	15-31/LL 05	5	7,0	7
415.203	15-31/LL 06	6	7,0	8
415.204	15-31/LL 08	8	7,0	10
415.210	15-31/L 06	6	9,5	10
415.211	15-31/L 08	8	9,5	12
415.212	15-31/L 10	10	10,0	14
415.213	15-31/L 12	12	10,0	16
415.214	15-31/L 15	15	10,0	19
415.215	15-31/L 18	18	10,0	23
415.216	15-31/L 22	22	10,5	27
415.217	15-31/L 28	28	11,0	33
415.218	15-31/L 35	35	13,0	41
415.219	15-31/L 42	42	13,0	48
415.210	15-31/S 06	6	9,5	10
415.211	15-31/S 08	8	9,5	12
415.212	15-31/S 10	10	10,0	14
415.213	15-31/S 12	12	10,0	16
415.224	15-31/S 14	14	10,0	19
415.225	15-31/S 16	16	10,5	21
415.226	15-31/S 20	20	12,0	26
415.227	15-31/S 25	25	12,0	32
415.228	15-31/S 30	30	13,0	36
415.229	15-31/S 38	38	13,0	44

Technische Änderungen vorbehalten.
Measurements may differ.



Schneidring Typ B4 / Cutting ring type B4				
Art. Nr. Art. N°	Bezeichnung Description	Ø Rohr Ø Tube	L1	D2
415.170	B4-15-31/L 06	6	9,5	10
415.171	B4-15-31/L 08	8	9,5	12
415.172	B4-15-31/L 10	10	10,0	14
415.173	B4-15-31/L 12	12	10,0	16
415.174	B4-15-31/L 15	15	10,0	20
415.175	B4-15-31/L 18	18	10,0	23
415.176	B4-15-31/L 22	22	10,5	27
415.177	B4-15-31/L 28	28	11,0	33
415.178	B4-15-31/L 35	35	13,0	41
415.179	B4-15-31/L 42	42	13,0	48
415.180	B4-15-31/S 06	6	9,5	10
415.181	B4-15-31/S 08	8	9,5	12
415.182	B4-15-31/S 10	10	10,0	14
415.183	B4-15-31/S 12	12	10,0	16
415.184	B4-15-31/S 14	14	10,0	19
415.185	B4-15-31/S 16	16	10,5	21
415.186	B4-15-31/S 20	20	12,0	26
415.187	B4-15-31/S 25	25	12,0	32
415.188	B4-15-31/S 30	30	13,0	38
415.189	B4-15-31/S 38	38	13,0	48

Technische Änderungen vorbehalten.
Measurements may differ.



Vormontagestutzen Typ 15-99/... /		
Art.Nr. Art. N°	Bezeichnung Description	Rohr AD Tube OD
400.106	15-99/L06	6
400.107	15-99/L08	8
400.108	15-99/L10	10
400.109	15-99/L12	12
400.110	15-99/L15	15
400.111	15-99/L18	18
400.112	15-99/L22	22
400.113	15-99/L28	28
400.114	15-99/L35	35
400.115	15-99/L42	42
400.116	15-99/S06	6
400.117	15-99/S08	8
400.118	15-99/S10	10
400.119	15-99/S12	12
400.120	15-99/S14	14
400.121	15-99/S16	16
400.122	15-99/S20	20
400.123	15-99/S25	25
400.124	15-99/S30	30
400.125	15-99/S38	38

Technische Änderungen vorbehalten.
Measurements may differ.

Präzisionsstahlrohr DIN 2391 ST 37.4 Typ SRO					
Steel pipe seamless precision DIN 2391 ST 37.4 Type SRO					
Nahtlos gezogen, verzinkt oder gebondert. Die Rohre sind jeweils 6 m lang, können jedoch auch geteilt geliefert werden. / Zinc plated or bonderized. Length is 6 m, but delivery in shorter pieces is possible.					
Art.Nr Art.N°	Art. Bezeichnung Description		AD OD	Wandstärke Thickness	Betriebsdruck Bar Working pressure Bar
127.900	SRO 4x1,0	verzinkt	4 mm	1,0 mm	500
127.901	SRO 5x1,0	verzinkt	5 mm	1,0 mm	440
127.902	SRO 6x1,0	verzinkt	6 mm	1,0 mm	390
127.905	SRO 8x1,0	verzinkt	8 mm	1,0 mm	290
127.906	SRO 8x1,5	gebond.	8 mm	1,5 mm	440
127.907	SRO 8x1,5	verzinkt	8 mm	1,5 mm	440
127.910	SRO 10x1,0	verzinkt	10 mm	1,0 mm	250
127.964	SRO 10x2,0	verzinkt	10 mm	2,0 mm	500
127.912	SRO 10x2,0	gebond.	10 mm	2,0 mm	500
127.914	SRO 12x1,5	verzinkt	12 mm	1,5 mm	310
127.915	SRO 12x2,0	gebond.	12 mm	2,0 mm	415
127.917	SRO 14x2,0	gebond.	14 mm	2,0 mm	355
127.920	SRO 15x1,5	verzinkt	15 mm	1,5 mm	250
127.921	SRO 15x2,0	gebond.	15 mm	2,0 mm	330
127.925	SRO 16x1,5	verzinkt	16 mm	1,5 mm	230
127.926	SRO 16x2,0	gebond.	16 mm	2,0 mm	310
127.930	SRO 18x1,5	verzinkt	18 mm	1,5 mm	205
127.931	SRO 18x2,0	gebond.	18 mm	2,0 mm	275
127.935	SRO 20x2,5	gebond.	20 mm	2,5 mm	310
127.940	SRO 22x2,5	gebond.	22 mm	2,5 mm	280
127.945	SRO 25x3,0	gebond.	25 mm	3,0 mm	300
127.951	SRO 28x2,0	gebond.	28 mm	2,0 mm	175
127.950	SRO 28x3,0	gebond.	28 mm	3,0 mm	265
127.955	SRO 30x3,0	gebond.	30 mm	3,0 mm	250
127.960	SRO 35x3,0	gebond.	35 mm	3,0 mm	210
127.961	SRO 38x4,0	gebond.	38 mm	4,0 mm	260
127.962	SRO 42x4,0	gebond.	42 mm	4,0 mm	235

Weitere Abmessungen auf Anfrage

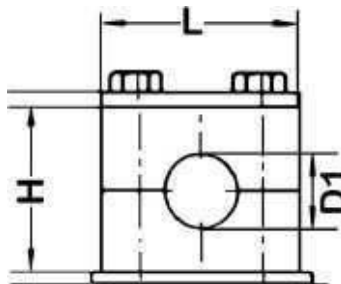


Präzisionsstahlrohr aus Edelstahl Typ VA-SRO					
Precision pipe stainless steel Type VA-SRO					
Nahtlos gezogen nach DIN 17456/58. Werkstoff 1.4581					
Die Rohre sind jeweils 6 m lang, können jedoch auch geteilt geliefert werden.					
Seamless according DIN 14567/58. Material 1.4581. Length is 6 m, but delivery in shorter pieces is possible.					
Art.Nr Art.N°	Art. Bezeichnung Description		AD OD	Wandstärke Thickness	Betriebsdruck Bar Working pressure Bar
127.977	VA-SRO 6x1,0		6 mm	1,0 mm	415
127.978	VA-SRO 8x1,0		8 mm	1,0 mm	315
127.979	VA-SRO 10x1,0		10 mm	1,0 mm	250
127.980	VA-SRO 12x1,5		12 mm	1,5 mm	315
127.981	VA-SRO 14x1,5		14 mm	1,5 mm	270
127.982	VA-SRO 15x1,5		15 mm	1,5 mm	250
127.983	VA-SRO 16x1,5		16 mm	1,5 mm	235
127.984	VA-SRO 18x1,5		18 mm	1,5 mm	210

Weitere Abmessungen auf Anfrage

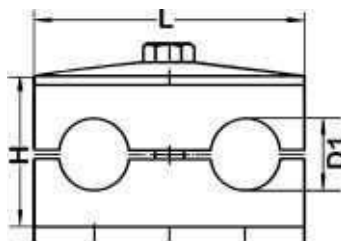


Technische Änderungen vorbehalten.
Measurements may differ.



Befestigungsschelle Typ LA / Pipe clamps type LA			
Art. Nr. Art. N°	Bezeichnung Description	D1	L
282.420	1 LA 06	06 mm	34 mm
282.422	1 LA 08	08 mm	34 mm
282.424	1 LA 10	10 mm	34 mm
282.426	1 LA 12	12 mm	34 mm
282.428	2 LA 14	14 mm	40 mm
282.430	2 LA 15	15 mm	40 mm
282.432	2 LA 16	16 mm	40 mm
282.434	2 LA 18	18 mm	40 mm
282.436	3 LA 20	20 mm	48 mm
282.401	3 LA 22	22 mm	48 mm
282.438	3 LA 25	25 mm	48 mm
282.411	4 LA 28	28 mm	57 mm
282.402	4 LA 30	30 mm	57 mm
282.440	5 LA 35	35 mm	70 mm
282.403	5 LA 38	38 mm	70 mm
282.442	5 LA 42	42 mm	70 mm
282.413	6 LA 48	48 mm	70 mm

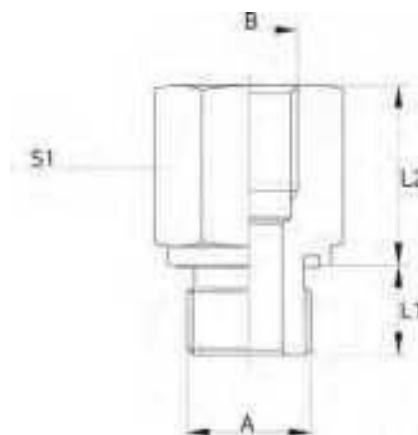
Weitere Abmessungen auf Anfrage



Doppel-Befestigungsschelle Typ DLA / Double pipe clamps type DLA			
Art. Nr. Art. N°	Bezeichnung Description	D1	L
282.450	1 DLA 06/06	06 mm	36 mm
282.451	1 DLA 08/08	08 mm	36 mm
282.452	1 DLA 10/10	10 mm	36 mm
282.453	1 DLA 12/12	12 mm	36 mm
282.455	2 DLA 14/14	14 mm	52 mm
282.456	2 DLA 15/15	15 mm	52 mm
282.457	2 DLA 16/16	16 mm	52 mm
282.458	2 DLA 18/18	18 mm	52 mm
282.460	3 DLA 20/20	20 mm	67 mm
282.461	3 DLA 22/22	22 mm	67 mm
282.462	3 DLA 25/25	25 mm	67 mm
282.465	4 DLA 28/28	28 mm	81 mm
282.466	4 DLA 30/30	30 mm	81 mm
282.470	5 DLA 35/35	35 mm	105 mm
282.471	5 DLA 38/38	38 mm	105 mm

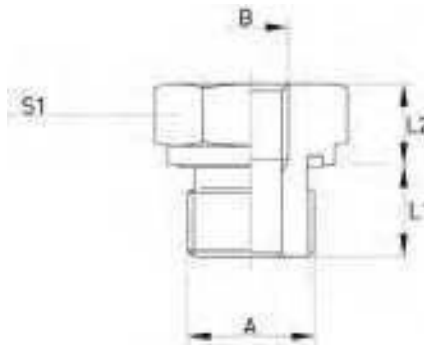
Weitere Abmessungen auf Anfrage

Technische Änderungen vorbehalten.
Measurements may differ.



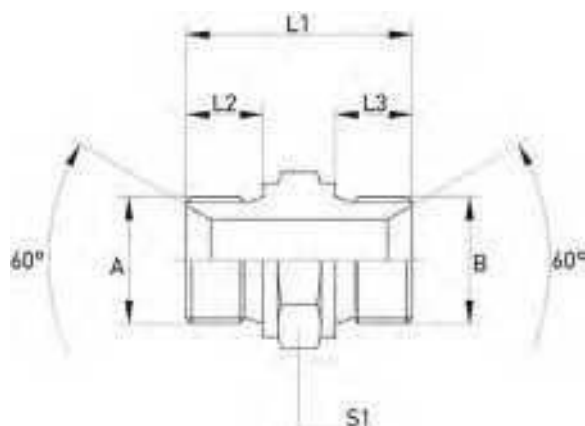
RI-ED Gewindereducierungen Typ 17-122/... / Zölliges Innen-Außengewinde zylindrisch, Form B DIN 3852 / Thread reducing adapters Type 17-122/... male/female BSP thread, cylindric, form B DIN 3852						
Art.Nr. Art.N°	Bezeichnung Description	A (AR)	B (IR)	L1	L2	S1
416.015	17-122/AR 1/8" IR 1/4"	1/8"	1/4"	8	23	19
416.016	17-122/AR 1/8" IR 3/8"	1/8"	3/8"	8	24	24
416.017	17-122/AR 1/4" IR 1/8"	1/4"	1/8"	12	16	19
416.018	17-122/AR 1/4" IR 3/8"	1/4"	3/8"	12	24	24
416.019	17-122/AR 1/4" IR 1/2"	1/4"	1/2"	12	28	30
416.020	17-122/AR 1/4" IR 3/4"	1/4"	3/4"	12	31	36
416.021	17-122/AR 3/8" IR 1/4"	3/8"	1/4"	12	24	22
416.022	17-122/AR 3/8" IR 1/2"	3/8"	1/2"	12	29	30
416.023	17-122/AR 3/8" IR 3/4"	3/8"	3/4"	12	32	36
416.024	17-122/AR 1/2" IR 3/8"	1/2"	3/8"	14	22	27
416.025	17-122/AR 1/2" IR 3/4"	1/2"	3/4"	14	32	36
416.026	17-122/AR 1/2" IR 1"	1/2"	1"	14	35	41
416.027	17-122/AR 1/2" IR 1 1/4"	1/2"	1 1/4"	14	39	55
416.028	17-122/AR 3/4" IR 1/2"	3/4"	1/2"	16	26	32
416.029	17-122/AR 3/4" IR 1"	3/4"	1"	16	35	41
416.030	17-122/AR 3/4" IR 1 1/4"	3/4"	1 1/4"	16	39	55
416.031	17-122/AR 3/4" IR 1 1/2"	3/4"	1 1/2"	16	41	32
416.032	17-122/AR 1" IR 3/4"	1"	3/4"	18	29	41
416.033	17-122/AR 1" IR 1 1/4"	1"	1 1/4"	18	39	55
416.034	17-122/AR 1" IR 1 1/2"	1"	1 1/2"	18	41	60
416.035	17-122/AR 1 1/4" IR 1"	1 1/4"	1"	20	31	50
416.036	17-122/AR 1 1/4" IR 1 1/2"	1 1/4"	1 1/2"	20	40	60
416.037	17-122/AR 1 1/2" IR 1 1/4"	1 1/2"	1 1/4"	22	36	55

Technische Änderungen vorbehalten.
Measurements may differ.



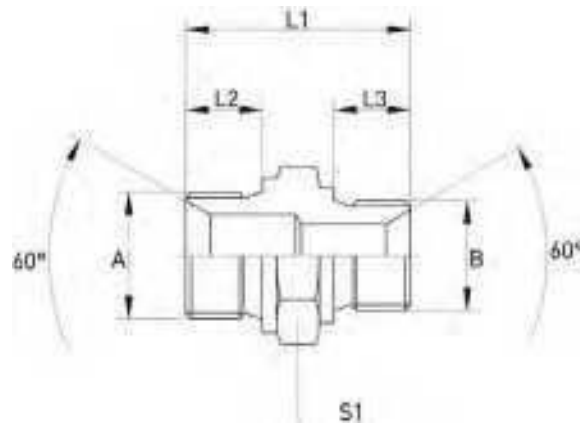
RI-ED Gewindereduzierungen Typ 17-123/... / Zölliges Innen- Außengewinde zylindrisch, Form B DIN 3852 / Thread reducing adapters Type 17-123/... male/female BSP thread, cylindric, form B DIN 3852						
Art.Nr.	Bezeichnung	A	B	L1	L2	S1
Art.N°	Description	(AR)	(IR)			
416.318	17-123/AR 3/8" IR 1/8"	3/8"	1/8"	12	10,5	22
416.319	17-123/AR 1/2" IR 1/8"	1/2"	1/8"	14	10,0	27
416.320	17-123/AR 1/2" IR 1/4"	1/2"	1/4"	14	10,0	27
416.321	17-123/AR 3/4" IR 1/4"	3/4"	1/4"	16	10,0	32
416.322	17-123/AR 3/4" IR 3/8"	3/4"	3/8"	16	10,0	32
416.323	17-123/AR 1" IR 1/4"	1"	1/4"	18	11,0	41
416.324	17-123/AR 1" IR 3/8"	1"	3/8"	18	11,0	41
416.325	17-123/AR 1" IR 1/2"	1"	1/2"	18	11,0	41
416.326	17-123/AR 1 1/4" IR 1/2"	1 1/4"	1/2"	20	12,0	50
416.327	17-123/AR 1 1/4" IR 3/4"	1 1/4"	3/4"	20	12,0	50
416.328	17-123/AR 1 1/2" IR 1/2"	1 1/2"	1/2"	22	14,0	55
416.329	17-123/AR 1 1/2" IR 3/4"	1 1/2"	3/4"	22	14,0	55
416.330	17-123/AR 1 1/2" IR 1"	1 1/2"	1"	22	14,0	55

Technische Änderungen vorbehalten.
Measurements may differ.



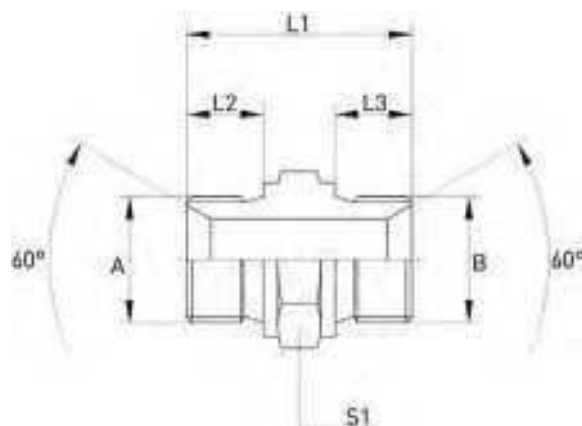
BSP Doppelstutzen Typ DST.. / Double stud type DST.. beidseitig AGR mit Dichtkante / AGR with sealing edge on both sides								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	L3	S1	Bar
408.100	DST 1/8"	1/8"	1/8"	24,0	8	8	14	400
408.101	DST 1/4"	1/4"	1/4"	32,0	11	11	19	400
408.102	DST 3/8"	3/8"	3/8"	35,0	12	12	22	400
408.103	DST 1/2"	1/2"	1/2"	41,0	14	14	27	350
408.104	DST 5/8"	5/8"	5/8"	45,0	16	16	30	350
408.105	DST 3/4"	3/4"	3/4"	47,0	16	16	32	315
408.106	DST 1"	1"	1"	54,0	19	19	41	250
408.107	DST 1 1/4"	1 1/4"	1 1/4"	58,0	20	20	50	200
408.108	DST 1 1/2"	1 1/2"	1 1/2"	66,0	23	23	55	160
408.109	DST 2"	2"	2"	74,0	25	25	70	125
408.110	RDST 1/8"x1/4"	1/8"	1/4"	28,5	8	11	19	400
408.111	RDST 1/8"x3/8"	1/8"	3/8"	30,0	8	12	22	400
408.112	RDST 1/8"x1/2"	1/8"	1/2"	33,5	8	14	27	350
408.113	RDST 1/4"x3/8"	1/4"	3/8"	33,5	11	12	22	400
408.114	RDST 1/4"x1/2"	1/4"	1/2"	37,0	11	14	27	350
408.115	RDST 1/4"x5/8"	1/4"	5/8"	39,0	11	16	30	350
408.116	RDST 1/4"x3/4"	1/4"	3/4"	41,0	11	16	32	315
408.117	RDST 1/4"x1"	1/4"	1"	45,0	11	19	41	250
408.118	RDST 3/8"x1/2"	3/8"	1/2"	38,5	12	14	27	350
408.119	RDST 3/8"x5/8"	3/8"	5/8"	40,5	12	16	30	350
408.120	RDST 3/8"x3/4"	3/8"	3/4"	42,5	12	16	32	315
408.121	RDST 3/8"x1"	3/8"	1"	46,5	12	19	41	250
408.122	RDST 1/2"x5/8"	1/2"	5/8"	43,0	14	16	30	350
408.123	RDST 1/2"x3/4"	1/2"	3/4"	45,0	14	16	32	315
408.124	RDST 1/2"x1"	1/2"	1"	49,0	14	19	41	250
408.125	RDST 1/2"x1 1/4"	1/2"	1 1/4"	52,0	14	20	50	200
408.126	RDST 1/2"x1 1/2"	1/2"	1 1/2"	57,0	14	23	55	160
408.127	RDST 5/8"x3/4"	5/8"	3/4"	47,0	16	16	32	315
408.128	RDST 5/8"x1"	5/8"	1"	51,0	16	19	41	250
408.129	RDST 5/8"x1 1/4"	5/8"	1 1/4"	54,0	16	20	50	200
408.130	RDST 3/4"x1"	3/4"	1"	51,0	16	19	41	250
408.131	RDST 3/4"x1 1/4"	3/4"	1 1/4"	54,0	16	20	50	200
408.132	RDST 3/4"x1 1/2"	3/4"	1 1/2"	59,0	16	23	55	160
408.133	RDST 1"x1 1/4"	1"	1 1/4"	57,0	19	20	50	200
408.134	RDST 1"x1 1/2"	1"	1 1/2"	62,0	19	23	55	100
408.135	RDST 1"x2"	1"	2"	67,5	19	25	70	125
408.136	RDST 1 1/4"x1 1/2"	1 1/4"	1 1/2"	63,0	20	23	55	160
408.137	RDST 1 1/4"x2"	1 1/4"	2"	68,5	20	25	70	160
408.138	RDST 1 1/2"x2"	1 1/2"	2"	71,5	23	25	70	125

Technische Änderungen vorbehalten.
Measurements may differ.



Doppelstutzen-Adapter Typ DST G.. M.. / Double stud adaptor type DST G.. M.. Einerseits zölliges, andererseits metrisches Einschraubgewinde/ one side BSP thread, other side metric thread								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	L3	S1	Bar
408.170	DST G 1/8" M10x1,0	1/8"	10x1,0	24,0	8	8	14	400
408.171	DST G 1/8" M14x1,5	1/8"	14x1,5	29,5	8	12	19	400
408.172	DST G 1/4" M10x1,0	1/4"	10x1,0	28,5	11	8	19	400
408.173	DST G 1/4" M12x1,5	1/4"	12x1,5	33,0	11	12	19	400
408.174	DST G 1/4" M14x1,5	1/4"	14x1,5	33,0	11	12	19	400
408.175	DST G 3/8" M10x1,0	3/8"	10x1,0	30,0	12	8	22	400
408.176	DST G 3/8" M12x1,5	3/8"	12x1,5	34,5	12	12	22	400
408.177	DST G 3/8" M14x1,5	3/8"	14x1,5	34,5	12	12	22	400
408.178	DST G 3/8" M16x1,5	3/8"	16x1,5	34,5	12	12	22	400
408.179	DST G 3/8" M18x1,5	3/8"	18x1,5	36,0	12	12	24	400
408.180	DST G 3/8" M 22x1,5	3/8"	22x1,5	38,5	12	14	27	350
408.181	DST G 1/2" M14x1,5	1/2"	14x1,5	38,0	14	12	27	350
408.182	DST G 1/2" M16x1,5	1/2"	16x1,5	38,0	14	12	27	350
408.183	DST G 1/2" M18x1,5	1/2"	18x1,5	38,5	14	12	27	350
408.184	DST G 1/2" M20x1,5	1/2"	20x1,5	40,5	14	14	27	350
408.185	DST G 1/2" M22x1,5	1/2"	22x1,5	41,0	14	14	27	350
408.186	DST G 5/8" M18x1,5	5/8"	18x1,5	40,5	16	12	30	350
408.187	DST G 5/8" M20x1,5	5/8"	20x1,5	42,5	16	14	30	350
408.188	DST G 5/8" M22x1,5	5/8"	22x1,5	43,0	16	14	30	350
408.189	DST G 3/4" M18x1,5	3/4"	18x1,5	42,5	16	12	32	315
408.190	DST G 3/4" M20x1,5	3/4"	20x1,5	44,5	16	14	32	315
408.191	DST G 3/4" M22x1,5	3/4"	22x1,5	45,0	16	14	32	315
408.192	DST G 3/4" M26x1,5	3/4"	26x1,5	47,0	16	16	32	315
408.193	DST G 3/4" M30x1,5	3/4"	30x1,5	48,0	16	16	36	250
408.194	DST G 1" M26x1,5	1"	26x1,5	51,0	19	16	41	250
408.195	DST G 1" M30x1,5	1"	30x1,5	51,0	19	16	41	250
408.196	DST G 1" M38x1,5	1"	38x1,5	53,0	19	16	46	200
408.197	DST G 1 1/4" M30x1,5	1 1/4"	30x1,5	54,0	20	16	50	200
408.198	DST G 1 1/4" M38x1,5	1 1/4"	38x1,5	54,0	20	16	50	200
408.199	DST G 1 1/2" M38x1,5	1 1/2"	38x1,5	59,0	23	16	55	160
408.200	DST G 1 1/2" M45x1,5	1 1/2"	45x1,5	59,0	23	16	55	160
408.201	DST G 2" M45x1,5	2"	45x1,5	64,5	25	16	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

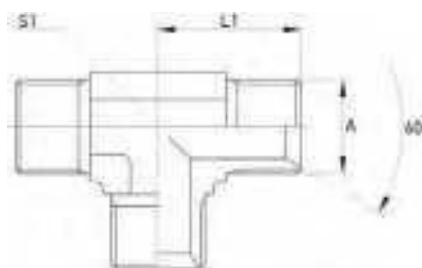


Doppelstutzen Typ DST M.. / Double stud type DST M.. beidseitig metrisches Aussengewinde / Metric male thread on both sides								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	L3	S1	Bar
408.140	DST M10x1,0	10x1,0	10x1,0	24,0	8	8	14	400
408.141	DST M12x1,5	12x1,5	12x1,5	34,0	12	12	17	400
408.142	DST M14x1,5	14x1,5	14x1,5	34,0	12	12	19	400
408.143	DST M16x1,5	16x1,5	16x1,5	34,0	12	12	22	400
408.144	DST M18x1,5	18x1,5	18x1,5	36,0	12	12	24	400
408.145	DST M20x1,5	20x1,5	20x1,5	40,5	14	14	27	350
408.146	DST M22x1,5	22x1,5	22x1,5	41,0	14	14	27	350
408.147	DST M26x1,5	26x1,5	26x1,5	47,0	16	16	32	315
408.148	DST M30x1,5	30x1,5	30x1,5	48,0	16	16	36	250
408.149	DST M38x1,5	38x1,5	38x1,5	50,0	16	16	46	200
408.150	DST M45x1,5	45x1,5	45x1,5	52,0	16	16	55	160
408.151	RDST M12x1,5xM14x1,5	12x1,5	14x1,5	34,0	12	12	19	400
408.152	RDST M14x1,5xM16x1,5	14x1,5	16x1,5	34,0	12	12	22	400
408.153	RDST M14x1,5xM18x1,5	14x1,5	18x1,5	35,5	12	12	24	400
408.154	RDST M14x1,5xM22x1,5	14x1,5	22x1,5	38,0	12	14	27	350
408.155	RDST M16x1,5xM18x1,5	16x1,5	18x1,5	35,5	12	12	24	400
408.156	RDST M16x1,5xM20x1,5	16x1,5	20x1,5	37,5	12	14	27	350
408.157	RDST M16x1,5xM22x1,5	16x1,5	22x1,5	38,0	12	14	27	350
408.158	RDST M18x1,5xM20x1,5	18x1,5	20x1,5	38,0	12	14	27	350
408.159	RDST M20x1,5xM22x1,5	20x1,5	22x1,5	41,0	14	14	27	350
408.160	RDST M22x1,5xM26x1,5	22x1,5	26x1,5	45,0	14	16	32	315
408.161	RDST M26x1,5xM30x1,5	26x1,5	30x1,5	48,0	16	16	36	250
408.162	RDST M30x1,5xM38x1,5	30x1,5	38x1,5	50,0	16	16	46	200
408.163	RDST M38x1,5xM45x1,5	38x1,5	45x1,5	52,0	16	16	55	160

Technische Änderungen vorbehalten.
Measurements may differ.

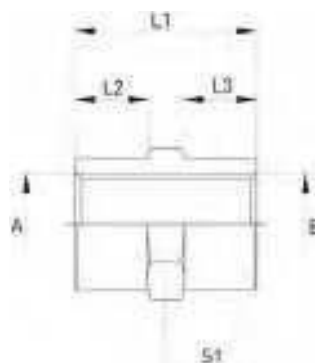


BSP 90° Winkelstutzen Typ 15-11/G.. / Elbow stud 90° type 15-11/G..					
Art. Nr. Art. N°	Bezeichnung Description	A	L1	S1	Bar
408.450	15-11/G 1/8"	1/8"	21	11	400
408.451	15-11/G 1/4"	1/4"	26	14	400
408.452	15-11/G 3/8"	3/8"	29	19	400
408.453	15-11/G 1/2"	1/2"	34	22	350
408.454	15-11/G 5/8"	5/8"	38	27	350
408.455	15-11/G 3/4"	3/4"	41	27	315
408.456	15-11/G 1"	1"	45	33	250
408.457	15-11/G 1 1/4"	1 1/4"	52	41	200
408.458	15-11/G 1 1/2"	1 1/2"	59	48	160
408.459	15-11/G 2"	2"	78	65	125

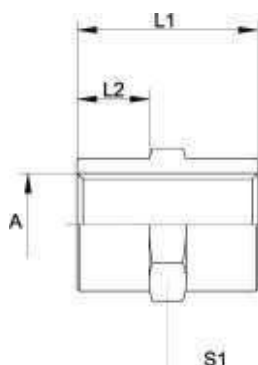


BSP T-Stutzen Typ 15-12/G.. / Tee stud type 15-12/G..					
Art. Nr. Art. N°	Bezeichnung Description	A	L1	S1	Bar
408.550	15-12/G 1/8"	1/8"	21	11	400
408.551	15-12/G 1/4"	1/4"	26	14	400
408.552	15-12/G 3/8"	3/8"	29	19	400
408.553	15-12/G 1/2"	1/2"	34	22	350
408.554	15-12/G 5/8"	5/8"	38	27	350
408.555	15-12/G 3/4"	3/4"	41	27	315
408.556	15-12/G 1"	1"	45	33	250
408.557	15-12/G 1 1/4"	1 1/4"	52	41	200
408.558	15-12/G 1 1/2"	1 1/2"	59	48	160
408.559	15-12/G 2"	2"	78	65	125

Technische Änderungen vorbehalten.
Measurements may differ.



BSP Muffe Typ MF G.. / Socket type MF G..								
zölliges Gewinde, parallel / BSP thread, parallel								
Art. Nr. Art. N°	Bezeichnung Description	Gewinde A Thread A	Gewinde B Thread B	L1	L2	L3	S1	Bar
408.280	MF G 1/8"	1/8"	1/8"	20	7	7	14	350
408.281	MF G 1/4"	1/4"	1/4"	30	12	12	19	350
408.282	MF G 3/8"	3/8"	3/8"	30	12	12	24	250
408.283	MF G 1/2"	1/2"	1/2"	38	15	15	27	225
408.284	MF G 3/4"	3/4"	3/4"	40	15	15	36	200
408.285	MF G 1"	1"	1"	48	19	19	41	160
408.286	MF G1 1/4"	1 1/4"	1 1/4"	50	19	19	55	160
408.287	MF G 1 1/2"	1 1/2"	1 1/2"	50	18	18	60	160
408.288	MF G 1/8"xG 1/4"	1/8"	1/4"	25	7	12	19	350
408.289	MF G 1/8"xG 3/8"	1/8"	3/8"	25	7	12	24	250
408.290	MF G 1/4"xG 3/8"	1/4"	3/8"	30	12	12	24	250
408.291	MF G 1/4"xG 1/2"	1/4"	1/2"	35	12	15	27	225
408.292	MF G 1/4"xG 3/4"	1/4"	3/4"	37	12	15	36	200
408.293	MF G 3/8"xG 1/2"	3/8"	1/2"	35	12	15	27	225
408.294	MF G 1/2"xG 3/4"	1/2"	3/4"	40	15	15	36	200



Muffe Typ MF M.. / Socket type MF M..						
metrisches Gewinde, parallel /metric thread, parallel						
Art. Nr. Art. N°	Bezeichnung Description	Gewinde A Thread A	L1	L2	S1	Bar
408.300	MF M10x1,0	10x1,0	20	7	14	350
408.301	MF M14x1,5	14x1,5	30	12	19	350
408.302	MF M16x1,5	16x1,5	30	12	24	250
408.303	MF M22x1,5	22x1,5	38	15	27	225
408.304	MF M27x2,0	27x2,0	40	15	36	200
408.305	MF M33x2,0	33x2,0	48	19	41	160
408.306	MF M42x2,0	42x2,0	50	19	55	160
408.307	MF M48x2,0	48x2,0	50	18	60	160

Technische Änderungen vorbehalten.
Measurements may differ.

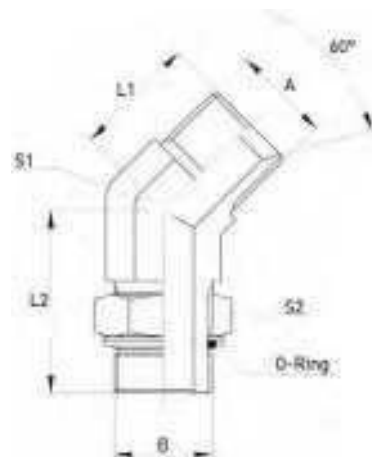


BSP 90° Muffe Typ WMF/G.. / Socket 90° type WMF/G.. Zollgewinde, parallel / BSP thread, parallel					
Art. Nr. Art. N°	Bezeichnung Description	Gewinde A Thread A	L1	S1	Bar
408.630	WMF/G 1/8"	1/8"	17,0	14	350
408.631	WMF/G 1/4"	1/4"	22,5	19	350
408.632	WMF/G 3/8"	3/8"	26,0	22	250
408.633	WMF/G 1/2"	1/2"	31,0	27	225
408.634	WMF/G 3/4"	3/4"	34,5	33	200
408.635	WMF/G 1"	1"	41,0	41	160
408.636	WMF/G 1 1/4"	1 1/4"	43,0	48	160
408.637	WMF/G 1 1/2"	1 1/2"	53,0	65	160
408.638	WMF/G 2"	2"	61,0	71	100



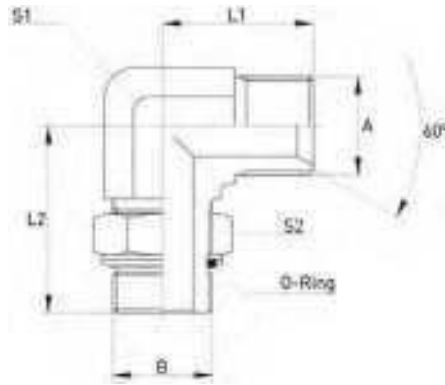
BSP T-Muffe Typ TMF/G.. / Tee socket type TMF/G.. Zollgewinde, parallel / BSP thread, parallel					
Art. Nr. Art. N°	Bezeichnung Description	Gewinde A Thread A	L1	S1	Bar
408.710	TMF/G 1/8"	1/8"	17,0	14	350
408.711	TMF/G 1/4"	1/4"	22,5	19	350
408.712	TMF/G 3/8"	3/8"	26,0	22	250
408.713	TMF/G 1/2"	1/2"	31,0	27	225
408.714	TMF/G 3/4"	3/4"	34,5	33	200
408.715	TMF/G 1"	1"	41,0	41	160
408.716	TMF/G 1 1/4"	1 1/4"	43,0	48	160
408.717	TMF/G 1 1/2"	1 1/2"	53,0	65	160
408.718	TMF/G 2"	2"	61,0	71	100

Technische Änderungen vorbehalten.
Measurements may differ.



BSP 45° - Einstellbarer Einschraubadapter Typ 15/1-02/G..45° / Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite AGR/ Adjustable BSP adaptor 45° type 15/1-02/G..45° BSP thread with o-ring and washer								
Art. Nr.	Bezeichnung	A	B	L1	L2	S1	S2	Bar
Art. N°	Description							
408.790	15/1-02/G 1/8" 45°	1/8"	1/8"	20,5	26,0	11	14	350
408.791	15/1-02/G 1/4"x1/8" 45°	1/4"	1/8"	21,0	27,0	14	14	350
408.792	15/1-02/G 1/4" 45°	1/4"	1/4"	21,0	29,0	14	19	315
408.793	15/1-02/G 3/8"x1/4" 45°	3/8"	1/4"	23,5	33,5	19	19	315
408.794	15/1-02/G 3/8" 45°	3/8"	3/8"	23,5	33,0	19	22	250
408.795	15/1-02/G 1/2"x3/8" 45°	1/2"	3/8"	26,0	35,0	22	22	250
408.796	15/1-02/G 1/2" 45°	1/2"	1/2"	26,0	38,5	22	30	250
408.797	15/1-02/G 3/4"x1/2" 45°	3/4"	1/2"	32,0	38,5	27	30	250
408.798	15/1-02/G 3/4" 45°	3/4"	3/4"	32,0	44,0	27	36	250
408.799	15/1-02/G 1"x3/4" 45°	1"	3/4"	37,0	44,0	33	36	250
408.800	15/1-02/G 1" 45°	1"	1"	37,0	47,0	33	41	200
408.801	15/1-02/G 1 1/4"x1" 45°	1 1/4"	1"	39,0	45,0	41	41	200
408.802	15/1-02/G 1 1/4" 45°	1 1/4"	1 1/4"	39,0	48,0	41	50	200
408.803	15/1-02/G 1 1/2"x1 1/4" 45°	1 1/2"	1 1/4"	46,0	48,0	48	50	160
408.804	15/1-02/G 1 1/2" 45°	1 1/2"	1 1/2"	46,0	48,0	48	55	160
408.805	15/1-02/G 2"x1 1/2" 45°	2"	1 1/2"	57,0	57,0	65	55	125
408.806	15/1-02/G 2" 45°	2"	2"	57,0	57,0	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.



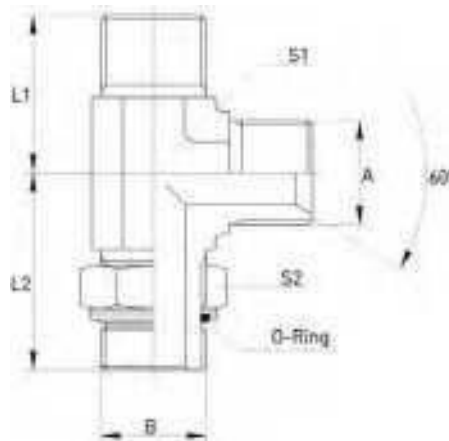
BSP 90° - Einstellbarer Einschraubadapter Typ 15/1-02/G...90° / Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite AGR / Adjustable BSP adaptor 90° type 15/1-02/G..90° BSP thread with o-ring and washer								
Art. Nr.	Bezeichnung	A	B	L1	L2	S1	S2	Bar
Art. N°	Description							
408.750	15/1-02/G 1/8" 90°	1/8"	1/8"	21	26	11	14	350
408.751	15/1-02/G 1/4"x1/8" 90°	1/4"	1/8"	26	30	14	14	350
408.752	15/1-02/G 1/4" 90°	1/4"	1/4"	26	32	14	19	315
408.753	15/1-02/G 3/8"x1/4" 90°	3/8"	1/4"	29	37	19	19	315
408.754	15/1-02/G 3/8" 90°	3/8"	3/8"	29	37	19	22	250
408.755	15/1-02/G 1/2"x3/8" 90°	1/2"	3/8"	34	39	22	22	250
408.756	15/1-02/G 1/2" 90°	1/2"	1/2"	34	43	22	30	250
408.757	15/1-02/G 3/4"x1/2" 90°	3/4"	1/2"	41	47	27	30	250
408.758	15/1-02/G 3/4" 90°	3/4"	3/4"	41	49	27	36	250
408.759	15/1-02/G 1"x3/4" 90°	1"	3/4"	45	50	33	36	250
408.760	15/1-02/G 1" 90°	1"	1"	45	52	33	41	200
408.761	15/1-02/G 1 1/4"x1" 90°	1 1/4"	1"	52	58	41	41	200
408.762	15/1-02/G 1 1/4" 90°	1 1/4"	1 1/4"	52	58	41	50	200
408.763	15/1-02/G 1 1/2"x1 1/4" 90°	1 1/2"	1 1/4"	59	59	48	50	160
408.764	15/1-02/G 1 1/2" 90°	1 1/2"	1 1/2"	59	60	48	55	160
408.765	15/1-02/G 2"x1 1/2" 90°	2"	1 1/2"	78	74	65	55	125
408.766	15/1-02/G 2" 90°	2"	2"	78	74	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.



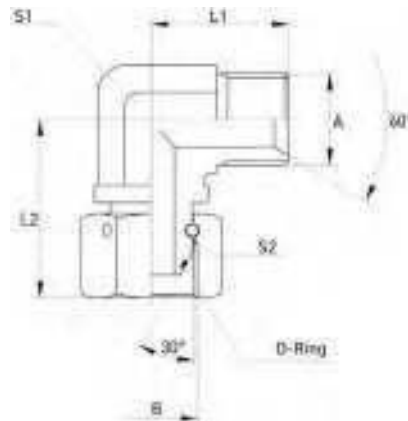
BSP Einstellbarer T-Einschraubadapter Typ 15/1-03/G.. / Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite AGR / Adjustable BSP tee adaptor type 15/1-03/G.. BSP thread with o-ring and washer								
Art. Nr.	Bezeichnung	A	B	L1	L2	S1	S2	Bar
Art. N°	Description							
408.870	15/1-03/G 1/8"	1/8"	1/8"	21	26	11	14	350
408.871	15/1-03/G 1/4"x1/8"	1/4"	1/8"	26	30	14	14	350
408.872	15/1-03/G 1/4"	1/4"	1/4"	26	32	14	19	315
408.873	15/1-03/G 3/8"x1/4"	3/8"	1/4"	29	37	19	19	315
408.874	15/1-03/G 3/8"	3/8"	3/8"	29	37	19	22	250
408.875	15/1-03/G 1/2"x3/8"	1/2"	3/8"	34	39	22	22	250
408.876	15/1-03/G 1/2"	1/2"	1/2"	34	43	22	30	250
408.877	15/1-03/G 3/4"x1/2"	3/4"	1/2"	41	47	27	30	250
408.878	15/1-03/G 3/4"	3/4"	3/4"	41	49	27	36	250
408.879	15/1-03/G 1"x3/4"	1"	3/4"	45	50	33	36	250
408.880	15/1-03/G 1"	1"	1"	45	52	33	41	200
408.881	15/1-03/G 1 1/4"x1"	1 1/4"	1"	52	58	41	41	200
408.882	15/1-03/G 1 1/4"	1 1/4"	1 1/4"	52	58	41	50	200
408.883	15/1-03/G 1 1/2"x1 1/4"	1 1/2"	1 1/4"	59	59	48	50	160
408.884	15/1-03/G 1 1/2"	1 1/2"	1 1/2"	59	60	48	55	160
408.885	15/1-03/G 2"x1 1/2"	2"	1 1/2"	78	74	65	55	125
408.886	15/1-03/G 2"	2"	2"	78	74	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

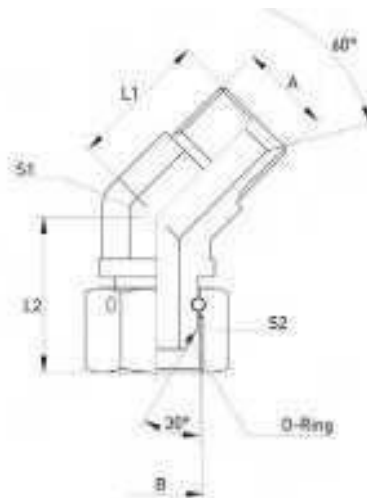


BSP Einstellbarer L-Einschraubadapter Typ 15/1-04/G.. / Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite AGR / Adjustable BSP L adaptor type 15/1-04/G..., BSP thread with o-ring and washer								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	Bar
408.830	15/1-04/G 1/8"	1/8"	1/8"	21	26	11	14	350
408.831	15/1-04/G 1/4"x1/8"	1/4"	1/8"	26	30	14	14	350
408.832	15/1-04/G 1/4"	1/4"	1/4"	26	32	14	19	315
408.833	15/1-04/G 3/8"x1/4"	3/8"	1/4"	29	37	19	19	315
408.834	15/1-04/G 3/8"	3/8"	3/8"	29	37	19	22	250
408.835	15/1-04/G 1/2"x3/8"	1/2"	3/8"	34	39	22	22	250
408.836	15/1-04/G 1/2"	1/2"	1/2"	34	43	22	30	250
408.837	15/1-04/G 3/4"x1/2"	3/4"	1/2"	41	47	27	30	250
408.838	15/1-04/G 3/4"	3/4"	3/4"	41	49	27	36	250
408.839	15/1-04/G 1"x3/4"	1"	3/4"	45	50	33	36	250
408.840	15/1-04/G 1"	1"	1"	45	52	33	41	200
408.841	15/1-04/G 1 1/4"x1"	1 1/4"	1"	52	58	41	41	200
408.842	15/1-04/G 1 1/4"	1 1/4"	1 1/4"	52	58	41	50	200
408.843	15/1-04/G 1 1/2"x1 1/4"	1 1/2"	1 1/4"	59	59	48	50	160
408.844	15/1-04/G 1 1/2"	1 1/2"	1 1/2"	59	60	48	55	160
408.845	15/1-04/G 2"x1 1/2"	2"	1 1/2"	78	74	65	55	125
408.846	15/1-04/G 2"	2"	2"	78	74	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.



BSP 90° - Einstellbare W-Verschraubung Typ 14/1-29/G.. 90° /								
Adjustable elbow coupling BSP 90° type 14/1-29/G.. 90°								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	Bar
408.930	14/1-29/G 1/8" 90°	1/8"	1/8"	21	25,0	11	14	400
408.931	14/1-29/G 1/4" 90°	1/4"	1/4"	26	33,0	14	19	400
408.932	14/1-29/G 3/8" 90°	3/8"	3/8"	29	37,0	19	22	400
408.933	14/1-29/G 1/2" 90°	1/2"	1/2"	34	43,0	22	27	350
408.934	14/1-29/G 5/8" 90°	5/8"	5/8"	38	49,0	27	30	350
408.935	14/1-29/G 3/4" 90°	3/4"	3/4"	41	53,5	27	32	315
408.936	14/1-29/G 1" 90°	1"	1"	45	60,5	33	41	250
408.937	14/1-29/G 1 1/4" 90°	1 1/4"	1 1/4"	57	64,0	41	50	200
408.938	14/1-29/G 1 1/2" 90°	1 1/2"	1 1/2"	59	75,5	48	55	160
408.939	14/1-29/G 2" 90°	2"	2"	78	91,0	65	70	125



BSP 45° - Einstellbare W-Verschraubung Typ 14/1-29/G.. 45° /								
Adjustable elbow coupling BSP 45° type 14/1-29/G.. 45°								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	Bar
409.110	14/1-29/G 1/8" 45°	1/8"	1/8"	20,0	23,0	11	14	400
409.111	14/1-29/G 1/4" 45°	1/4"	1/4"	21,0	25,0	14	19	400
409.112	14/1-29/G 3/8" 45°	3/8"	3/8"	23,5	29,0	19	22	400
409.113	14/1-29/G 1/2" 45°	1/2"	1/2"	26,0	32,0	22	27	350
409.114	14/1-29/G 5/8" 45°	5/8"	5/8"	29,0	39,0	27	30	350
409.115	14/1-29/G 3/4" 45°	3/4"	3/4"	32,0	41,5	27	32	315
409.116	14/1-29/G 1" 45°	1"	1"	37,0	45,0	33	41	250
409.117	14/1-29/G 1 1/4" 45°	1 1/4"	1 1/4"	39,0	47,0	41	50	200
409.118	14/1-29/G 1 1/2" 45°	1 1/2"	1 1/2"	46,0	58,5	48	55	160
409.119	14/1-29/G 2" 45°	2"	2"	58,0	72,0	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

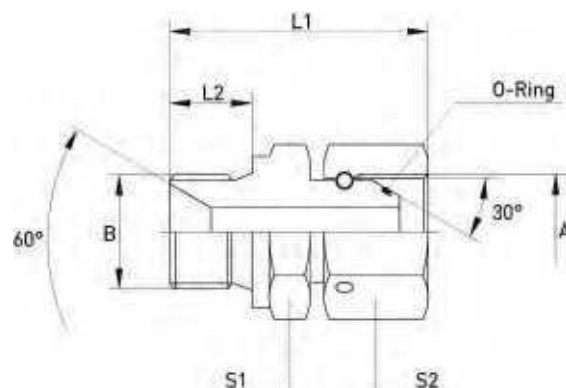


BSP – Einstellbare T-Verschraubung Typ 14/2-29/G.. / Adjustable tee coupling BSP type 14/2-29/G..								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	Bar
408.970	14/2-29/G 1/8"	1/8"	1/8"	21	25,0	11	14	400
408.971	14/2-29/G 1/4"	1/4"	1/4"	26	33,0	14	19	400
408.972	14/2-29/G 3/8"	3/8"	3/8"	29	37,0	19	22	400
408.973	14/2-29/G 1/2"	1/2"	1/2"	34	43,0	22	27	350
408.974	14/2-29/G 5/8"	5/8"	5/8"	38	49,0	27	30	350
408.975	14/2-29/G 3/4"	3/4"	3/4"	41	53,5	27	32	315
408.976	14/2-29/G 1"	1"	1"	45	60,5	33	41	250
408.977	14/2-29/G 1 1/4"	1 1/4"	1 1/4"	57	64,0	41	50	200
408.978	14/2-29/G 1 1/2"	1 1/2"	1 1/2"	59	72,5	48	55	160
408.979	14/2-29/G 2"	2"	2"	78	91,0	65	70	125



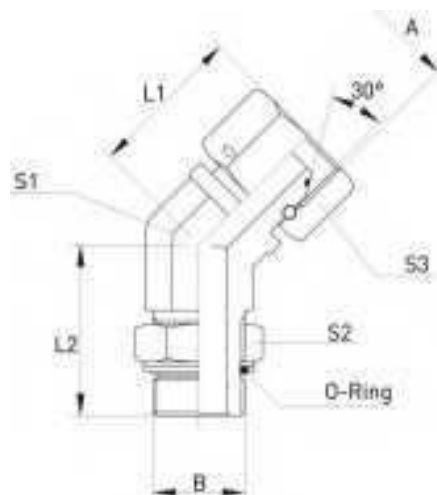
BSP – Einstellbare L-Verschraubung Typ 14/3-29/G.. / Adjustable L coupling BSP type 14/3-29/G..								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	Bar
408.950	14/3-29/G 1/8"	1/8"	1/8"	21	25,0	11	14	400
408.951	14/3-29/G 1/4"	1/4"	1/4"	26	33,0	14	19	400
408.952	14/3-29/G 3/8"	3/8"	3/8"	29	37,0	19	22	400
408.953	14/3-29/G 1/2"	1/2"	1/2"	34	43,0	22	27	350
408.954	14/3-29/G 5/8"	5/8"	5/8"	38	49,0	27	30	350
408.955	14/3-29/G 3/4"	3/4"	3/4"	41	53,5	27	32	315
408.956	14/3-29/G 1"	1"	1"	45	60,5	33	41	250
408.957	14/3-29/G 1 1/4"	1 1/4"	1 1/4"	57	64,0	41	50	200
408.958	14/3-29/G 1 1/2"	1 1/2"	1 1/2"	59	72,5	48	55	160
408.959	14/3-29/G 2"	2"	2"	78	91,0	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.



Gerade Einschraubstutzen mit Dichtkegel Typ 14-28/G.. / Straight coupling type 14-28/G.. AGR Einschraubgewinde, Anschlussseite DKR / AGR thread, DKR connection								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	Bar
408.350	14-28/G 1/8"	1/8"	1/8"	28,0	8	14	14	400
408.351	14-28/G 1/4"	1/4"	1/4"	36,0	11	19	19	400
408.352	14-28/G 3/8"	3/8"	3/8"	39,0	12	22	22	400
408.353	14-28/G 1/2"	1/2"	1/2"	45,0	14	27	27	350
408.354	14-28/G 5/8"	5/8"	5/8"	51,0	16	30	30	350
408.355	14-28/G 3/4"	3/4"	3/4"	53,0	16	32	32	315
408.356	14-28/G 1"	1"	1"	63,5	19	41	41	250
408.357	14-28/G 1 1/4"	1 1/4"	1 1/4"	67,0	20	50	50	200
408.358	14-28/G 1 1/2"	1 1/2"	1 1/2"	77,5	23	55	55	160
408.359	14-28/G 2"	2"	2"	87,0	25	70	70	125
408.360	14-28/G 3/8"x1/4"	3/8"	1/4"	37,0	11	19	22	400
408.361	14-28/G 1/4"x3/8"	1/4"	3/8"	38,0	12	22	19	400
408.362	14-28/G 1/2"x3/8"	1/2"	3/8"	42,0	12	22	27	350
408.363	14-28/G 1/4"x1/2"	1/4"	1/2"	41,0	14	27	19	350
408.364	14-28/G 3/8"x1/2"	3/8"	1/2"	42,0	14	27	22	350
408.365	14-28/G 3/4"x1/2"	3/4"	1/2"	49,0	14	27	32	315
408.366	14-28/G 1/2"x3/4"	1/2"	3/4"	49,0	16	32	27	315
408.367	14-28/G 3/4"x1"	3/4"	1"	57,0	19	41	32	250

Technische Änderungen vorbehalten.
Measurements may differ.



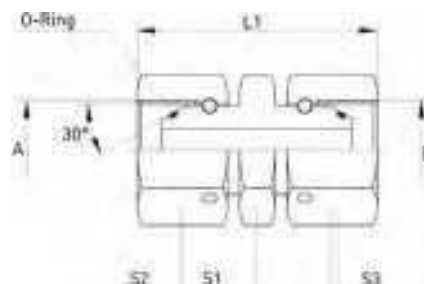
BSP 45° - Einstellbarer Einschraubadapter mit Dichtkegel Typ 14/1-30/G.. / Adjustable adaptor BSP 45° type 14/1-30/G..									
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	S3	Bar
409.170	14/1-30/G 1/8" 45°	1/8"	1/8"	23,0	26,0	11	14	14	350
409.171	14/1-30/G 1/4"x1/8" 45°	1/4"	1/8"	25,0	27,0	14	14	19	350
409.172	14/1-30/G 1/4" 45°	1/4"	1/4"	25,0	29,0	14	19	19	315
409.173	14/1-30/G 3/8"x1/4" 45°	3/8"	1/4"	29,0	30,0	19	19	22	315
409.174	14/1-30/G 3/8" 45°	3/8"	3/8"	29,0	33,0	19	22	22	250
409.175	14/1-30/G 1/2"x3/8" 45°	1/2"	3/8"	32,0	35,0	22	22	27	250
409.176	14/1-30/G 1/2" 45°	1/2"	1/2"	32,0	38,5	22	30	27	250
409.177	14/1-30/G 3/4"x1/2" 45°	3/4"	1/2"	41,5	38,5	27	30	32	250
409.178	14/1-30/G 3/4" 45°	3/4"	3/4"	41,5	44,0	27	36	32	250
409.179	14/1-30/G 1"x3/4" 45°	1"	3/4"	45,0	44,0	33	36	41	250
409.180	14/1-30/G 1" 45°	1"	1"	45,0	47,0	33	41	41	200
409.181	14/1-30/G 1 1/4"x1" 45°	1 1/4"	1"	47,0	45,0	41	41	50	200
409.182	14/1-30/G 1 1/4" 45°	1 1/4"	1 1/4"	47,0	48,0	41	50	50	200
409.183	14/1-30/G 1 1/2"x1 1/4" 45°	1 1/2"	1 1/4"	58,5	48,0	48	50	55	160
409.184	14/1-30/G 1 1/2" 45°	1 1/2"	1 1/2"	58,5	48,0	48	55	55	160
409.185	14/1-30/G 2"x1 1/2" 45°	2"	1 1/2"	72,0	57,0	65	55	70	125
409.186	14/1-30/G 2" 45°	2"	2"	72,0	57,0	65	70	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

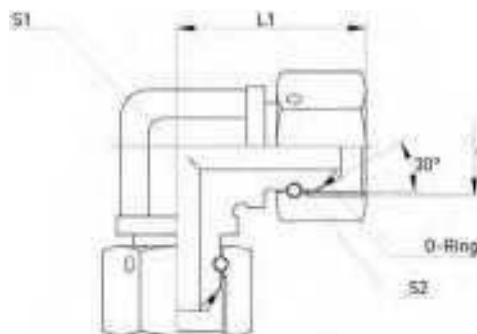


BSP 90° - Einstellbarer Einschraubadapter mit Dichtkegel Typ 14/1-30/G.. 90° /									
Adjustable adaptor BSP 90° type 14/1-30/G.. 90°									
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	S2	S3	Bar
409.130	14/1-30/G 1/8" 90°	1/8"	1/8"	25,0	26	11	14	14	350
409.131	14/1-30/G 1/4"x1/8" 90°	1/4"	1/8"	33,0	30	14	14	19	350
409.132	14/1-30/G 1/4" 90°	1/4"	1/4"	33,0	32	14	19	19	315
409.133	14/1-30/G 3/8"x1/4" 90°	3/8"	1/4"	37,0	37	19	19	22	315
409.134	14/1-30/G 3/8" 90°	3/8"	3/8"	37,0	37	19	22	22	250
409.135	14/1-30/G 1/2"x3/8" 90°	1/2"	3/8"	43,0	39	22	22	27	250
409.136	14/1-30/G 1/2" 90°	1/2"	1/2"	43,0	43	22	30	27	250
409.137	14/1-30/G 3/4"x1/2" 90°	3/4"	1/2"	53,5	47	27	30	32	250
409.138	14/1-30/G 3/4" 90°	3/4"	3/4"	53,5	49	27	36	32	250
409.139	14/1-30/G 1"x3/4" 90°	1"	3/4"	60,5	50	33	36	41	250
409.140	14/1-30/G 1" 90°	1"	1"	60,5	52	33	41	41	200
409.141	14/1-30/G 1 1/4"x1" 90°	1 1/4"	1"	64,0	58	41	41	50	200
409.142	14/1-30/G 1 1/4" 90°	1 1/4"	1 1/4"	64,0	58	41	50	50	200
409.143	14/1-30/G 1 1/2"x1 1/4" 90°	1 1/2"	1 1/4"	72,5	59	48	50	55	160
409.144	14/1-30/G 1 1/2" 90°	1 1/2"	1 1/2"	72,5	60	48	55	55	160
409.145	14/1-30/G 2"x1 1/2" 90°	2"	1 1/2"	91,0	74	65	55	70	125
409.146	14/1-30/G 2" 90°	2"	2"	91,0	74	65	70	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

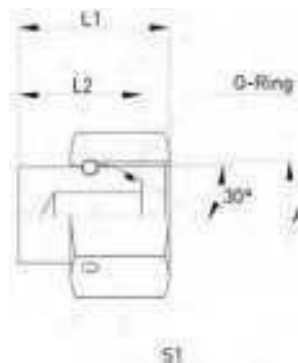


Gerader DKR Verbindungsadapter Typ SVR.. / Straight adapter DKR type SVR..								
beidseitig DKR/ DKR on both sides								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	S1	S2	S3	Bar
408.380	SVR 1/8"	1/8"	1/8"	31,5	14	14	14	400
408.381	SVR 1/4"	1/4"	1/4"	40,5	19	19	19	400
408.382	SVR 3/8"	3/8"	3/8"	42,5	22	22	22	400
408.383	SVR 1/2"	1/2"	1/2"	49,5	27	27	27	350
408.384	SVR 5/8"	5/8"	5/8"	55,0	30	30	30	350
408.385	SVR 3/4"	3/4"	3/4"	59,0	32	32	32	315
408.386	SVR 1"	1"	1"	73,0	41	41	41	250
408.387	SVR 1 1/4"	1 1/4"	1 1/4"	76,0	50	50	50	200
408.388	SVR 1 1/2"	1 1/2"	1 1/2"	89,0	55	55	55	160
408.389	SVR 2"	2"	2"	99,0	70	70	70	125
408.390	SVR 1/4"x3/8"	1/4"	3/8"	41,5	22	19	22	400
408.391	SVR 1/4"x1/2"	1/4"	1/2"	45,5	27	19	27	350
408.392	SVR 3/8"x1/2"	3/8"	1/2"	46,0	27	22	27	350
408.393	SVR 1/2"x3/4"	1/2"	3/4"	55,0	32	27	32	315



90° DKR Verbindungsadapter Typ WSVR.. / Elbow adapter BSP 90° type WSVR..						
beidseitig DKR / DKR on both sides						
Art. Nr. Art. N°	Bezeichnung Description	A	L1	S1	S2	Bar
409.090	WSVR 1/8"	1/8"	25,0	11	14	400
409.091	WSVR 1/4"	1/4"	33,0	14	19	400
409.092	WSVR 3/8"	3/8"	37,0	19	22	400
409.093	WSVR 1/2"	1/2"	43,0	22	27	350
409.094	WSVR 5/8"	5/8"	49,0	27	30	350
409.095	WSVR 3/4"	3/4"	53,5	27	32	315
409.096	WSVR 1"	1"	60,5	33	41	250
409.097	WSVR 1 1/4"	1 1/4"	64,0	41	50	200
409.098	WSVR 1 1/2"	1 1/2"	72,5	48	55	160
409.099	WSVR 2"	2"	91,0	65	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

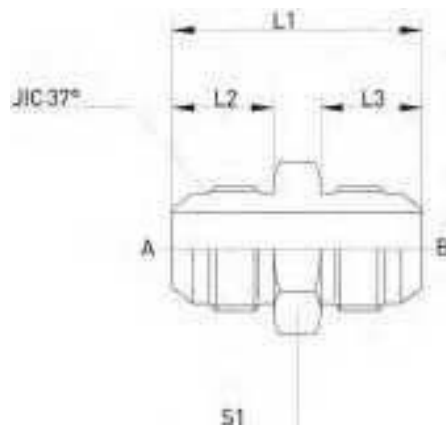


BSP Verschlussmutter Typ 15-37/G.. / BSP drain caps type 15-37/G..						
Art. Nr. Art. N°	Bezeichnung Description	A	L1	L2	S1	Bar
409.080	15-37/G 1/8"	1/8"	15	12,0	14	400
409.081	15-37/G 1/4"	1/4"	19	15,0	19	400
409.082	15-37/G 3/8"	3/8"	20	15,0	22	400
409.083	15-37/G 1/2"	1/2"	24	19,0	27	350
409.084	15-37/G 5/8"	5/8"	26	19,0	30	350
409.085	15-37/G 3/4"	3/4"	30	21,0	32	315
409.086	15-37/G 1"	1"	35	24,5	41	250
409.087	15-37/G 1 1/4"	1 1/4"	36	27,0	50	200
409.088	15-37/G 1 1/2"	1 1/2"	42	29,5	55	160
409.089	15-37/G 2"	2"	45	30,0	70	125

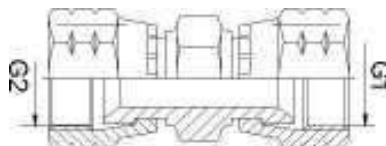


BSP Verschlussstopfen Typ 15-360/G.. / BSP drain plugs type 15-360/G..						
Art. Nr. Art. N°	Bezeichnung Description	A	L1	L2	S1	Bar
409.070	15-360/G 1/8"	1/8"	14,5	8	14	400
409.071	15-360/G 1/4"	1/4"	19,0	11	19	400
409.072	15-360/G 3/8"	3/8"	20,5	12	22	400
409.073	15-360/G 1/2"	1/2"	24,0	14	27	350
409.074	15-360/G 5/8"	5/8"	26,0	16	30	350
409.075	15-360/G 3/4"	3/4"	28,0	16	32	315
409.076	15-360/G 1"	1"	32,0	19	41	250
409.077	15-360/G 1 1/4"	1 1/4"	35,0	20	50	200
409.078	15-360/G 1 1/2"	1 1/2"	40,0	23	55	160
409.079	15-360/G 2"	2"	45,5	25	70	125

Technische Änderungen vorbehalten.
Measurements may differ.

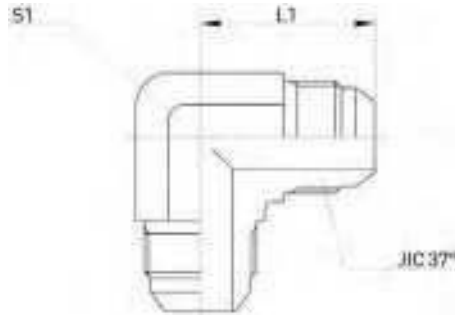


JIC - Doppelstutzen Typ 15-10/J... / Straight stud type 15-10/J...								
Beiderseits UNF-37° AG / both sides UNF 37° male								
Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	L3	S1	Bar
406.600	15-10/J 7/16"	7/16"-20	7/16"-20	35,0	14,0	14,0	12	450
406.601	15-10/J 1/2"	1/2"-20	1/2"-20	35,0	14,0	14,0	14	450
406.602	15-10/J 9/16"	9/16"-18	9/16"-18	36,0	14,1	14,1	17	350
406.603	15-10/J 3/4"	3/4"-16	3/4"-16	41,0	16,7	16,7	22	350
406.604	15-10/J 7/8"	7/8"-14	7/8"-14	48,0	19,3	19,3	24	350
406.605	15-10/J 1 1/16"	1 1/16"-12	1 1/16"-12	55,0	21,9	21,9	30	350
406.606	15-10/J 1 5/16"	1 5/16"-12	1 5/16"-12	57,0	23,1	23,1	36	290
406.607	15-10/J 1 5/8"	1 5/8"-12	1 5/8"-12	61,5	24,3	24,3	46	240
406.608	15-10/J 1 7/8"	1 7/8"-12	1 7/8"-12	70,0	27,5	27,5	50	240
406.609	15-10/J 9/16"xJ 7/16"	9/16"-18	7/16"-20	36,0	14,1	14,0	17	350
406.610	15-10/J 3/4"xJ 9/16"	3/4"-16	9/16"-18	38,5	16,7	14,1	22	350
406.611	15-10/J 7/8"xJ 3/4"	7/8"-14	3/4"-16	45,5	19,3	16,7	24	350
406.612	15-10/J 1 1/16"xJ 3/4"	1 1/16"-12	3/4"-16	50,0	21,9	16,7	30	350
406.613	15-10/J 1 1/16"xJ 7/8"	1 1/16"-12	7/8"-14	52,5	21,9	19,3	30	350
406.614	15-10/J 1 5/16"xJ 1 1/16"	1 5/16"-12	1 1/16"-12	56,0	23,1	21,9	36	290

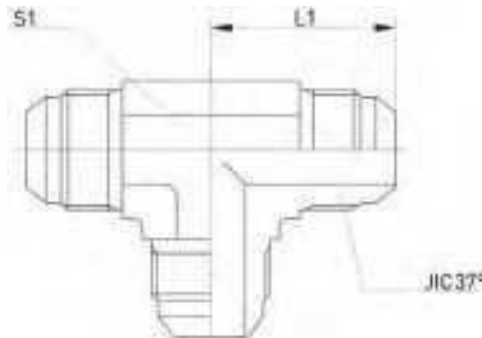


Gerader Verbinder Typ SVJ.. / Straight connector Type SVJ..			
Anschlussgewinde JIC 37° Überwurfmuttern / screw caps UNF thread			
Art. Nr. Art. N°	Bezeichnung Description	G1	G2
416.460	SVJ 7/16"	7/16"-20	7/16"-20
416.461	SVJ 1/2"	1/2"-20	1/2"-20
416.462	SVJ 9/16"	9/16"-18	9/16"-18
416.463	SVJ 3/4"	3/4"-16	3/4"-16
416.464	SVJ 7/8"	7/8"-14	7/8"-14
416.465	SVJ 1 1/16"	1 1/16"-12	1 1/16"-12

Technische Änderungen vorbehalten.
Measurements may differ.

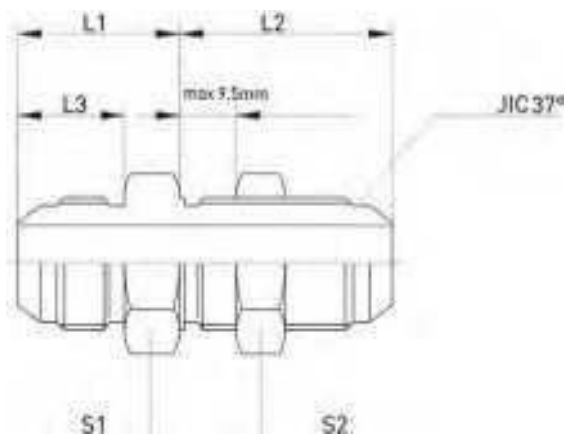


JIC W-Stutzen Typ 15-11/J... / Elbow-stud type 15-11/J...					
Beiderseits UNF-JIC 37° AG / Both sides UNF-JIC 37° male					
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	S1	Bar
406.620	15-11/J 7/16"	7/16"-20	23,0	11	450
406.621	15-11/J 1/2"	1/2"-20	24,0	14	450
406.622	15-11/J 9/16"	9/16"-18	27,5	14	350
406.623	15-11/J 3/4"	3/4"-16	32,0	19	350
406.624	15-11/J 7/8"	7/8"-14	37,0	22	350
406.625	15-11/J 1 1/16"	1 1/16"-12	42,0	27	350
406.626	15-11/J 1 5/16"	1 5/16"-12	46,0	33	290
406.627	15-11/J 1 5/8"	1 5/8"-12	53,0	41	240
406.628	15-11/J 1 7/8"	1 7/8"-12	59,0	48	240



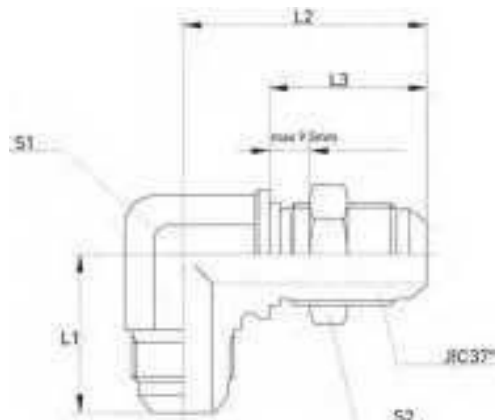
JIC T-Stutzen Typ 15-12/J... / T-stud type 15-12/J...					
Allseitig UNF 37° AG / All sides UNF 37° male					
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	S1	Bar
406.630	15-12/J 7/16"	7/16"-20	23,0	11	450
406.631	15-12/J 1/2"	1/2"-20	24,0	14	450
406.632	15-12/J 9/16"	9/16"-18	27,5	14	350
406.633	15-12/J 3/4"	3/4"-16	32,0	19	350
406.634	15-12/J 7/8"	7/8"-14	37,0	22	350
406.635	15-12/J 1 1/16"	1 1/16"-12	42,0	27	350
406.636	15-12/J 1 5/16"	1 5/16"-12	46,0	33	290
406.637	15-12/J 1 5/8"	1 5/8"-12	53,0	41	240
406.638	15-12/J 1 7/8"	1 7/8"-12	59,0	48	240

Technische Änderungen vorbehalten.
Measurements may differ.

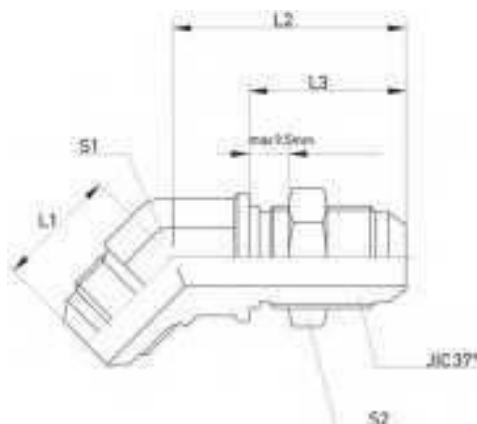


Gerade Schottverschraubung Typ 15-22/J../ Straight bulkhead connection type 15-22/J.. 37° JIC-UNF AG								
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	L3	S1	S2	Bar
406.560	15-22/J 7/16"	7/16"-20	21,0	31,5	14,0	17	17	450
406.561	15-22/J 1/2"	1/2"-20	21,0	31,5	14,0	19	19	450
406.562	15-22/J 9/16"	9/16"-18	22,0	33,5	14,1	22	22	350
406.563	15-22/J 3/4"	3/4"-16	24,4	36,6	16,7	24	24	350
406.564	15-22/J 7/8"	7/8"-14	28,4	41,1	19,3	30	30	350
406.565	15-22/J 1 1/16"	1 1/16"-12	33,1	45,4	21,9	36	36	350
406.566	15-22/J 1 5/16"	1 5/16"-12	34,6	45,4	23,1	41	41	290
406.567	15-22/J 1 5/8"	1 5/8"-12	37,3	46,7	24,3	50	50	240
406.568	15-22/J 1 7/8"	1 7/8"-12	42,5	47,0	27,5	55	55	240

Technische Änderungen vorbehalten.
Measurements may differ.

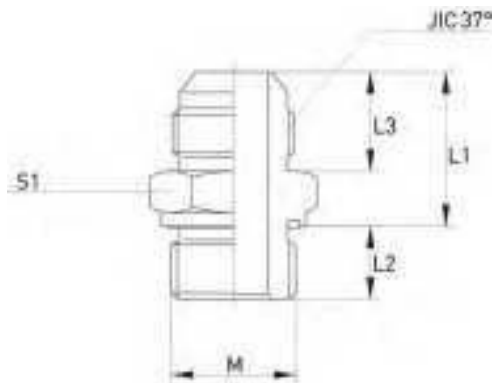


JIC - 90° Winkel-Schottverschraubung Typ 15/1-22/J.. 90° / Elbow bulkhead connection 90° type 15/1-22/J.. 90°								
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	L3	S1	S2	Bar
406.570	15/1-22/J 7/16" 90°	7/16"-20	24,5	40,5	28,3	11	17	450
406.571	15/1-22/J 1/2" 90°	1/2"-20	27,0	43,5	28,3	14	19	450
406.572	15/1-22/J 9/16" 90°	9/16"-18	27,5	46,0	30,1	14	22	350
406.573	15/1-22/J 3/4" 90°	3/4"-16	34,5	53,5	35,0	19	24	350
406.574	15/1-22/J 7/8" 90°	7/8"-14	39,5	60,5	38,5	22	30	350
406.575	15/1-22/J 1 1/16" 90°	1 1/16"-12	45,0	68,0	42,8	27	36	350
406.576	15/1-22/J 1 5/16" 90°	1 5/16"-12	49,5	71,0	42,8	33	41	290
406.577	15/1-22/J 1 5/8" 90°	1 5/8"-12	55,0	79,0	44,1	41	50	240
406.578	15/1-22/J 1 7/8" 90°	1 7/8"-12	59,5	87,0	44,3	48	55	240



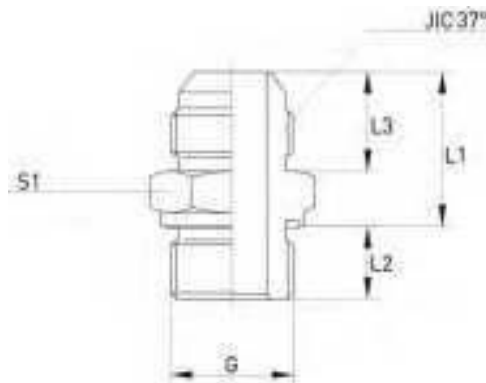
JIC - 45° Winkel-Schottverschraubung Typ 15/1-22/J.. 45° / Elbow bulkhead connection 45° type 15/1-22/J.. 45°								
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	L3	S1	S2	Bar
406.580	15/1-22/J 7/16" 45°	7/16"-20	19,5	39,0	28,3	11	17	450
406.581	15/1-22/J 1/2" 45°	1/2"-20	20,0	41,0	28,3	14	19	450
406.582	15/1-22/J 9/16" 45°	9/16"-18	21,5	43,0	30,1	14	22	350
406.583	15/1-22/J 3/4" 45°	3/4"-16	25,5	49,5	35,0	19	24	350
406.584	15/1-22/J 7/8" 45°	7/8"-14	29,0	55,0	38,5	22	30	350
406.585	15/1-22/J 1 1/16" 45°	1 1/16"-12	33,0	62,0	42,8	27	36	350
406.586	15/1-22/J 1 5/16" 45°	1 5/16"-12	38,0	65,0	42,8	33	41	290
406.587	15/1-22/J 1 5/8" 45°	1 5/8"-12	40,0	67,0	44,1	41	50	240
406.588	15/1-22/J 1 7/8" 45°	1 7/8"-12	46,0	68,0	44,3	48	55	240

Technische Änderungen vorbehalten.
Measurements may differ.



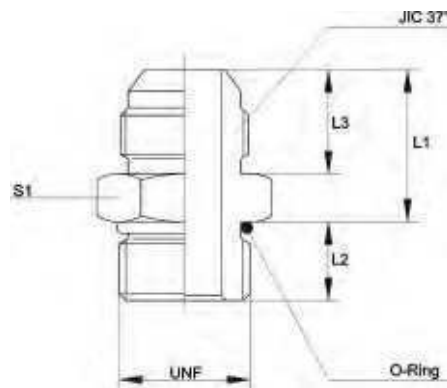
JIC-M - Einschraubstutzen Typ 15-01/J.. MD.. / Male-stud type 15-01/J...M...								
Einschraubseite metrisch zyl. mit Dichtung, Anschlussseite UNF-JIC 37° / Male thread metric, cylindric with washer, connector side UNF-JIC 37° male								
Art. Nr.	Bezeichnung	JIC 37°	M	L1	L2	L3	S1	Bar
Art. N°	Description							
406.040	15-01/J 7/16" MD10x1,0	7/16"-20	10x1,0	21,0	8	14,0	14	350
406.041	15-01/J 1/2" MD12x1,5	1/2"-20	12x1,5	21,0	12	14,0	17	350
406.042	15-01/J 9/16" MD14x1,5	9/16"-18	14x1,5	21,0	12	14,1	19	350
406.043	15-01/J 3/4" MD16x1,5	3/4"-16	16x1,5	24,0	12	16,7	22	350
406.044	15-01/J 7/8" MD22x1,5	7/8"-14	22x1,5	29,5	14	19,3	27	350
406.045	15-01/J 1 1/16" MD27x2,0	1 1/16"-12	27x2,0	32,5	16	21,9	32	350
406.046	15-01/J 1 5/16" MD33x2,0	1 5/16"-12	33x2,0	34,5	18	23,1	41	290
406.047	15-01/J 1 5/8" MD42x2,0	1 5/8"-12	42x2,0	38,0	20	24,3	50	240
406.048	15-01/J 1 7/8" MD48x2,0	1 7/8"-12	48x2,0	41,5	22	27,5	55	240
406.049	15-01/J 7/16" MD12x1,5	7/16"-20	12x1,5	21,0	12	14,0	17	350
406.050	15-01/J 1/2" MD10x1,0	1/2"-20	10x1,0	21,0	8	14,0	14	350
406.051	15-01/J 1/2" MD14x1,5	1/2"-20	14x1,5	21,0	12	14,0	19	350
406.052	15-01/J 9/16" MD16x1,5	9/16"-18	16x1,5	21,5	12	14,1	22	350
406.053	15-01/J 3/4" MD14x1,5	3/4"-16	14x1,5	24,0	12	16,7	19	350
406.054	15-01/J 3/4" MD18x1,5	3/4"-16	18x1,5	25,5	12	16,7	24	350
406.055	15-01/J 7/8" MD18x1,5	7/8"-14	18x1,5	28,0	12	19,3	24	350
406.056	15-01/J 7/8" MD20x1,5	7/8"-14	20x1,5	29,0	14	19,3	27	350
406.057	15-01/J 1 1/16" MD22x1,5	1 1/16"-12	22x1,5	32,5	14	21,9	30	350
406.058	15-01/J 1 5/16" MD27x2,0	1 5/16"-12	27x2,0	34,5	16	23,1	36	290

Technische Änderungen vorbehalten.
Measurements may differ.



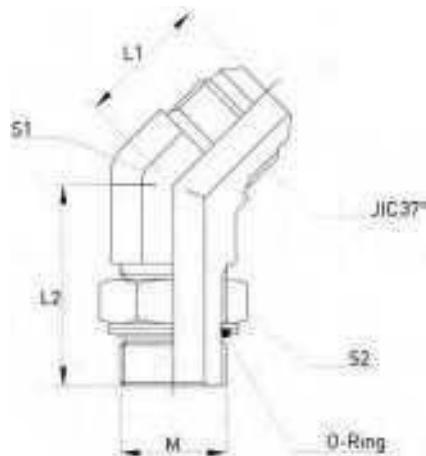
JIC-BSP - Einschraubstutzen Typ 15-01/J.. G.. / Male-stud type 15-01/J.. G...								
Einschraubseite BSP zyl. mit Dichtung, Anschlussseite UNF-JIC 37° / Male thread BSP, cylindric with washer, connector side UNF-JIC 37° male								
Art. Nr.	Bezeichnung	JIC 37°	G	L1	L2	L3	S1	Bar
Art. N°	Description							
406.000	15-01/J 7/16" G1/8"	7/16"-20	1/8"	22,5	8	14,0	14	350
406.001	15-01/J 1/2" G1/8"	1/2"-20	1/8"	22,5	8	14,0	14	350
406.002	15-01/J 9/16" G1/4"	9/16"-18	1/4"	22,5	12	14,1	19	350
406.003	15-01/J 3/4" G3/8"	3/4"-16	3/8"	26,5	12	16,7	22	350
406.004	15-01/J 7/8" G1/2"	7/8"-14	1/2"	31,0	14	19,3	27	350
406.005	15-01/J 1 1/16" G3/4"	1 1/16"-12	3/4"	35,0	16	21,9	32	350
406.006	15-01/J 1 5/16" G1"	1 5/16"-12	1"	37,5	18	23,1	41	290
406.007	15-01/J 1 5/8" G1 1/4"	1 5/8"-12	1 1/4"	41,0	20	24,3	50	240
406.008	15-01/J 1 7/8" G1 1/2"	1 7/8"-12	1 1/2"	45,0	22	27,5	55	240
406.009	15-01/J 7/16" G1/4"	7/16"-20	1/4"	22,5	12	14,0	19	350
406.010	15-01/J 7/16" G3/8"	7/16"-20	3/8"	24,0	12	14,0	22	350
406.011	15-01/J 7/16" G1/2"	7/16"-20	1/2"	25,5	14	14,0	27	350
406.012	15-01/J 1/2" G1/4"	1/2"-20	1/4"	22,5	12	14,0	19	350
406.013	15-01/J 1/2" G3/8"	1/2"-20	3/8"	24,0	12	14,0	22	350
406.014	15-01/J 9/16" G1/8"	9/16"-18	1/8"	22,5	8	14,1	17	350
406.015	15-01/J 9/16" G3/8"	9/16"-18	3/8"	24,0	12	14,1	22	350
406.016	15-01/J 9/16" G1/2"	9/16"-18	1/2"	26,0	14	14,1	27	350
406.017	15-01/J 3/4" G1/4"	3/4"-16	1/4"	26,0	12	16,7	22	350
406.018	15-01/J 3/4" G1/2"	3/4"-16	1/2"	28,5	14	16,7	27	350
406.019	15-01/J 3/4" G3/4"	3/4"-16	3/4"	30,0	16	16,7	32	350
406.020	15-01/J 7/8" G3/8"	7/8"-14	3/8"	30,5	12	19,3	24	350
406.021	15-01/J 7/8" G3/4"	7/8"-14	3/4"	32,5	16	19,3	32	350
406.022	15-01/J 1 1/16" G3/8"	1 1/16"-12	3/8"	34,5	12	21,9	30	350
406.023	15-01/J 1 1/16" G1/2"	1 1/16"-12	1/2"	35,0	14	21,9	30	350
406.024	15-01/J 1 1/16" G1"	1 1/16"-12	1"	36,5	18	21,9	41	290
406.025	15-01/J 1 5/16" G3/4"	1 5/16"-12	3/4"	37,5	16	23,1	36	290
406.026	15-01/J 1 5/16" G1 1/4"	1 5/16"-12	1 1/4"	40,0	20	23,1	50	240
406.027	15-01/J 1 5/8" G1"	1 5/8"-12	1"	41,0	18	24,3	46	240
406.028	15-01/J 1 5/8" G1 1/2"	1 5/8"-12	1 1/2"	42,0	22	24,3	55	240
406.029	15-01/J 1 7/8" G1 1/4"	1 7/8"-12	1 1/4"	44,0	20	27,5	50	240

Technische Änderungen vorbehalten.
Measurements may differ.



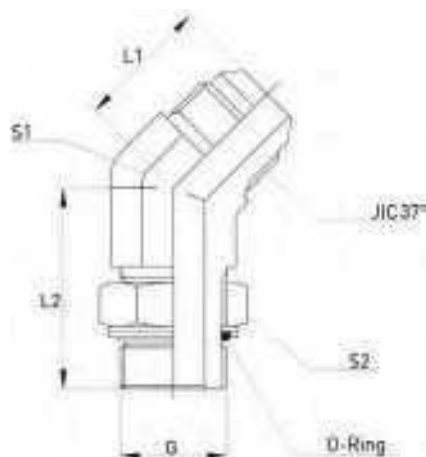
JIC-UNF - Einschraubstutzen Typ 15-01/J.. U.. / Male-stud type 15-01/J.. U..								
Einschraubseite UNF zyl. mit Dichtung, Anschlussseite UNF-JIC 37° / Male thread UNF, cylindric with washer, connector side UNF-JIC 37° male								
Art. Nr.	Bezeichnung	JIC 37°	UNF	L1	L2	L3	S1	Bar
Art. N°	Description							
406.070	15-01/J 7/16" U 7/16"	7/16"-20	7/16"-20	21,9	9,1	14,0	14	400
406.071	15-01/J 1/2" U 1/2"	1/2"-20	1/2"-20	21,9	9,1	14,0	17	400
406.072	15-01/J 9/16" U 9/16"	9/16"-18	9/16"-18	23,0	10,0	14,1	17	350
406.073	15-01/J 3/4" U 3/4"	3/4"-16	3/4"-16	26,4	11,1	16,7	22	350
406.074	15-01/J 7/8" U 7/8"	7/8"-14	7/8"-14	30,3	12,7	19,3	27	350
406.075	15-01/J 1 1/16" U 1 1/16"	1 1/16"-12	1 1/16"-12	34,9	15,1	21,9	32	350
406.076	15-01/J 1 5/16" U 1 5/16"	1 5/16"-12	1 5/16"-12	36,4	15,1	23,1	41	290
406.077	15-01/J 1 5/8" U 1 5/8"	1 5/8"-12	1 5/8"-12	39,9	15,1	24,3	50	240
406.078	15-01/J 1 7/8" U 1 7/8"	1 7/8"-12	1 7/8"-12	44,9	15,1	27,5	55	240
406.079	15-01/J 7/16" U 1/2"	7/16"-20	1/2"-20	21,9	9,1	14,0	17	400
406.080	15-01/J 7/16" U 9/16"	7/16"-20	9/16"-18	23,0	10,0	14,0	17	350
406.081	15-01/J 7/16" U 3/4"	7/16"-20	3/4"-16	23,9	11,1	14,0	22	350
406.082	15-01/J 1/2" U 9/16"	1/2"-20	9/16"-18	23,0	10,0	14,0	17	350
406.083	15-01/J 9/16" U 7/16"	9/16"-18	7/16"-20	22,9	9,1	14,1	17	350
406.084	15-01/J 9/16" U 1/2"	9/16"-18	1/2"-20	22,9	9,1	14,1	17	350
406.085	15-01/J 9/16" U 3/4"	9/16"-18	3/4"-16	23,9	11,1	14,1	22	350
406.086	15-01/J 9/16" U 7/8"	9/16"-18	7/8"-14	25,3	12,7	14,1	27	350
406.087	15-01/J 3/4" U 9/16"	3/4"-16	9/16"-18	26,5	10,0	16,7	22	350
406.088	15-01/J 3/4" U 7/8"	3/4"-16	7/8"-14	27,8	12,7	16,7	27	350
406.089	15-01/J 3/4" U 1 1/16"	3/4"-16	1 1/16"-12	29,9	15,1	16,7	32	350
406.090	15-01/J 7/8" U 3/4"	7/8"-14	3/4"-16	30,4	11,1	19,3	24	350
406.091	15-01/J 7/8" U 1 1/16"	7/8"-14	1 1/16"-12	32,4	15,1	19,3	32	350
406.092	15-01/J 1 1/16" U 3/4"	1 1/16"-12	3/4"-16	33,9	11,1	21,9	30	350
406.093	15-01/J 1 1/16" U 7/8"	1 1/16"-12	7/8"-14	33,8	12,7	21,9	30	350
406.094	15-01/J 1 1/16" U 1 5/16"	1 1/16"-12	1 5/16"-12	35,4	15,1	21,9	41	290
406.095	15-01/J 1 5/16" U 7/8"	1 5/16"-12	7/8"-14	36,3	12,7	23,1	36	290
406.096	15-01/J 1 5/16" U 1 1/16"	1 5/16"-12	1 1/16"-12	36,4	15,1	23,1	36	290
406.097	15-01/J 1 5/16" U 1 5/8"	1 5/16"-12	1 5/8"-12	38,9	15,1	23,1	50	240
406.098	15-01/J 1 5/8" U 1 5/16"	1 5/8"-12	1 5/16"-12	38,9	15,1	24,3	46	240
406.099	15-01/J 1 7/8" U 1 5/8"	1 7/8"-12	1 5/8"-12	42,9	15,1	27,5	50	240

Technische Änderungen vorbehalten.
Measurements may differ.



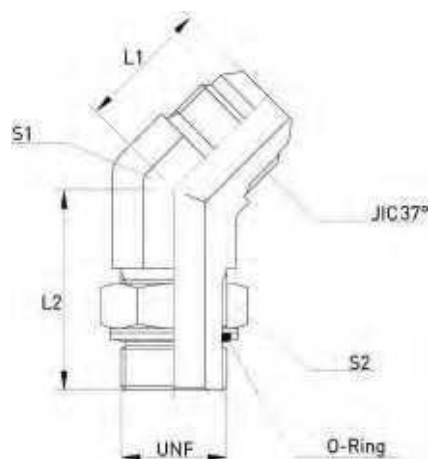
45° JIC-M Einstellbarer Winkel-Einschraubstutzen Typ 15/1-02/J.. M.. / Einschraubseite metrisch zyl. mit Dichtung, Anschlussseite UNF-JIC 37° AG / Male-stud 45° type 15/1-02/J..M Thread side: metric, cylindric. Connector side: UNF-JIC 37° male								
Art. Nr.	Bezeichnung	JIC 37°	M	L1	L2	S1	S2	Bar
Art. N°	Description							
407.110	15/1-02/J 7/16" M10x1,0 45°	7/16"-20	10x1,0	19,5	27,0	11	14	350
407.111	15/1-02/J 1/2" M12x1,5 45°	1/2"-20	12x1,5	20,0	27,0	14	17	315
407.112	15/1-02/J 9/16" M14x1,5 45°	9/16"-18	14x1,5	21,5	28,0	14	19	315
407.113	15/1-02/J 3/4" M16x1,5 45°	3/4"-16	16x1,5	25,5	33,0	19	22	315
407.114	15/1-02/J 7/8" M22x1,5 45°	7/8"-14	22x1,5	29,0	38,0	22	27	250
407.115	15/1-02/J 1 1/16" M27x2,0 45°	1 1/16"-12	27x2,0	33,0	46,0	27	32	250
407.116	15/1-02/J 1 5/16" M33x2,0 45°	1 5/16"-12	33x2,0	38,0	46,0	33	41	200
407.117	15/1-02/J 1 5/8" M42x2,0 45°	1 5/8"-12	42x2,0	40,0	48,0	41	50	200
407.118	15/1-02/J 1 7/8" M48x2,0 45°	1 7/8"-12	48x2,0	46,0	50,0	48	55	160
407.119	15/1-02/J 7/16" M12x1,5 45°	7/16"-20	12x1,5	20,0	27,0	14	17	315
407.120	15/1-02/J 1/2" M10x1,0 45°	1/2"-20	10x1,0	20,0	24,0	14	14	350
407.121	15/1-02/J 1/2" M14x1,5 45°	1/2"-20	14x1,5	20,0	28,0	14	19	315
407.122	15/1-02/J 9/16" M16x1,5 45°	9/16"-18	16x1,5	23,0	33,0	19	22	315
407.123	15/1-02/J 3/4" M18x1,5 45°	3/4"-16	18x1,5	25,5	33,0	19	24	315
407.124	15/1-02/J 7/8" M18x1,5 45°	7/8"-14	18x1,5	29,0	34,5	22	24	315
407.125	15/1-02/J 7/8" M20x1,5 45°	7/8"-14	20x1,5	29,0	38,0	22	27	250
407.126	15/1-02/J 1 1/16" M22x1,5 45°	1 1/16"-12	22x1,5	33,0	41,5	27	27	250
407.127	15/1-02/J 1 5/16" M27x2,0 45°	1 5/16"-12	27x2,0	38,0	46,0	33	32	250

Technische Änderungen vorbehalten.
Measurements may differ.



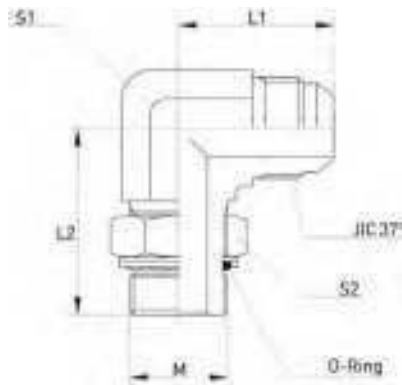
45° JIC-BSP Einstellbarer Winkel-Einschraubstutzen Typ 15/1-02/J.. G.. /									
Einschraubseite BSP zyl. mit Dichtung, Anschlussseite UNF-JIC 37°									
Male-stud 45° type 15/1-02/J..G /Male thread BSP, cylindric with washer; connector side UNF-JIC 37°									
Art. Nr.	Bezeichnung	JIC 37°	G	L1	L2	S1	S2	Bar	
Art. N°	Description								
407.080	15/1-02/J 7/16" G1/8" 45°	7/16"-20	1/8"	19,5	26,0	11	14	350	
407.081	15/1-02/J 1/2" G1/4" 45°	1/2"-20	1/4"	20,0	29,0	14	19	315	
407.082	15/1-02/J 9/16" G1/4" 45°	9/16"-18	1/4"	21,5	29,0	14	19	315	
407.083	15/1-02/J 3/4" G3/8" 45°	3/4"-16	3/8"	25,5	33,0	19	22	250	
407.084	15/1-02/J 7/8" G1/2" 45°	7/8"-14	1/2"	29,0	38,5	22	27	250	
407.085	15/1-02/J 1 1/16" G3/4" 45°	1 1/16"-12	3/4"	33,0	44,0	27	36	250	
407.086	15/1-02/J 1 5/16" G1" 45°	1 5/16"-12	1"	38,0	47,0	33	41	200	
407.087	15/1-02/J 1 5/8" G1 1/4" 45°	1 5/8"-12	1 1/4"	40,0	48,0	41	50	200	
407.088	15/1-02/J 1 7/8" G1 1/2" 45°	1 7/8"-12	1 1/2"	46,0	48,0	48	55	160	
407.089	15/1-02/J 7/16" G1/4" 45°	7/16"-20	1/4"	20,0	29,0	14	19	315	
407.090	15/1-02/J 7/16" G3/8" 45°	7/16"-20	3/8"	22,5	33,0	19	22	250	
407.091	15/1-02/J 7/16" G1/2" 45°	7/16"-20	1/2"	23,0	38,5	22	27	250	
407.092	15/1-02/J 1/2" G1/8" 45°	1/2"-20	1/8"	20,0	24,0	14	14	350	
407.093	15/1-02/J 1/2" G3/8" 45°	1/2"-20	3/8"	22,5	33,0	19	22	250	
407.094	15/1-02/J 9/16" G3/8" 45°	9/16"-18	3/8"	23,0	33,0	19	22	250	
407.095	15/1-02/J 9/16" G1/2" 45°	9/16"-18	1/2"	23,5	38,5	22	27	250	
407.096	15/1-02/J 3/4" G1/4" 45°	3/4"-16	1/4"	25,5	32,5	19	19	315	
407.097	15/1-02/J 3/4" G1/2" 45°	3/4"-16	1/2"	26,0	38,5	22	27	250	
407.098	15/1-02/J 3/4" G3/4" 45°	3/4"-16	3/4"	27,0	44,0	27	36	250	
407.099	15/1-02/J 7/8" G3/8" 45°	7/8"-14	3/8"	29,0	33,0	22	22	250	
407.100	15/1-02/J 7/8" G3/4" 45°	7/8"-14	3/4"	30,0	44,0	27	36	250	
407.101	15/1-02/J 1 1/16" G1/2"	1 1/16"-12	1/2"	33,0	43,0	27	27	250	
407.102	15/1-02/J 1 1/16" G1" 45°	1 1/16"-12	1"	37,0	47,0	33	41	200	
407.103	15/1-02/J 1 5/16" G3/4" 45°	1 5/16"-12	3/4"	38,0	45,0	33	36	250	
407.104	15/1-02/J 1 5/16" G1 1/4" 45°	1 5/16"-12	1 1/4"	39,0	48,0	41	50	200	
407.105	15/1-02/J 1 5/8" G1" 45°	1 5/8"-12	1"	40,0	48,0	41	41	200	
407.106	15/1-02/J 1 7/8" G1 1/4" 45°	1 7/8"-12	1 1/4"	46,0	48,0	48	50	200	

Technische Änderungen vorbehalten.
Measurements may differ.



45° JIC-UNF Einstellbarer Winkel-Einschraubstutzen Typ 15/1-02/J.. U.. / Einschraubseite UNF zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° / Male-stud 45° type 15/1-02/J..U Male thread UNF, cylindric with washer; connector side UNF-JIC 37°								
Art. Nr.	Bezeichnung	JIC 37°	UNF	L1	L2	S1	S2	Bar
Art. N°	Description							
407.130	15/1-02/J 7/16" U 7/16"	7/16"-20	7/16"-20	19,5	26,5	11	14	400
407.131	15/1-02/J 1/2" U 1/2"	1/2"-20	1/2"-20	20,0	26,5	14	17	400
407.132	15/1-02/J 9/16" U 9/16"	9/16"-18	9/16"-18	21,5	29,0	14	17	350
407.133	15/1-02/J 3/4" U 3/4"	3/4"-16	3/4"-16	25,5	33,0	19	22	350
407.134	15/1-02/J 7/8" U 7/8"	7/8"-14	7/8"-14	29,0	39,0	22	27	350
407.135	15/1-02/J 1 1/16" U 1 1/16"	1 1/16"-12	1 1/16"-12	33,0	44,0	27	32	350
407.136	15/1-02/J 1 5/16" U 1 5/16"	1 5/16"-12	1 5/16"-12	38,0	47,0	33	41	290
407.137	15/1-02/J 1 5/8" U 1 5/8"	1 5/8"-12	1 5/8"-12	40,0	48,0	41	50	240
407.138	15/1-02/J 1 7/8" U 1 7/8"	1 7/8"-12	1 7/8"-12	46,0	48,5	48	55	240
407.139	15/1-02/J 7/16" U 1/2"	7/16"-20	1/2"-20	20,0	26,5	14	17	400
407.140	15/1-02/J 9/16" U 3/4"	9/16"-18	3/4"-16	23,0	33,0	19	22	350
407.141	15/1-02/J 3/4" U 7/8"	3/4"-16	7/8"-14	26,0	39,0	22	27	350
407.142	15/1-02/J 7/8" U 3/4"	7/8"-14	3/4"-16	29,0	35,5	22	22	350
407.143	15/1-02/J 1 1/16" U 3/4"	1 1/16"-12	3/4"-16	33,0	36,0	27	22	350
407.144	15/1-02/J 1 1/16" U 7/8"	1 1/16"-12	7/8"-14	33,0	39,0	27	27	350
407.145	15/1-02/J 1 1/16" U 1 5/16"	1 1/16"-12	1 5/16"-12	37,0	47,0	33	41	290
407.146	15/1-02/J 1 5/16" U 1 1/16"	1 5/16"-12	1 1/16"-12	38,0	46,5	33	32	290
407.147	15/1-02/J 1 5/16" U 1 5/8"	1 5/16"-12	1 5/8"-12	39,0	48,0	41	50	240

Technische Änderungen vorbehalten.
Measurements may differ.



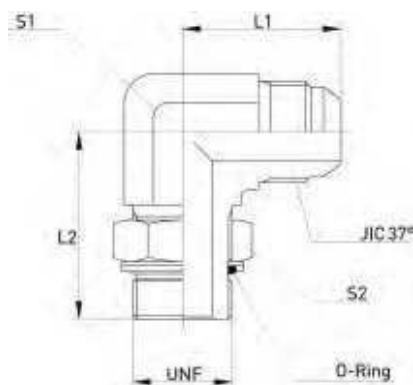
90° JIC-M Einstellbarer Winkel-Einschraubstutzen Typ 15/1-02/J.. M.. 90° /									
Einschraubseite metrisch zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° AG /									
Male-stud 90° type 15/1-02/J.. M.. 90° Thread side: metric, cylindric. Connector side UNF-JIC 37° male									
Art. Nr.	Bezeichnung	JIC 37°	M	L1	L2	S1	S2	Bar	
Art. N°	Description								
407.030	15/1-02/J 7/16" M10x1,0 90°	7/16"-20	10x1,0	23,0	27,0	11	14	350	
407.031	15/1-02/J 1/2" M12x1,5 90°	1/2"-20	12x1,5	24,0	31,0	14	17	315	
407.032	15/1-02/J 9/16" M14x1,5 90°	9/16"-18	14x1,5	27,5	33,0	14	19	315	
407.033	15/1-02/J 3/4" M16x1,5 90°	3/4"-16	16x1,5	32,0	38,0	19	22	315	
407.034	15/1-02/J 7/8" M22x1,5 90°	7/8"-14	22x1,5	37,0	42,0	22	27	250	
407.035	15/1-02/J 1 1/16" M27x2,0 90°	1 1/16"-12	27x2,0	42,0	50,5	27	32	250	
407.036	15/1-02/J 1 5/16" M33x2,0 90°	1 5/16"-12	33x2,0	46,0	52,5	33	41	200	
407.037	15/1-02/J 1 5/8" M42x2,0 90°	1 5/8"-12	42x2,0	53,0	58,0	41	50	200	
407.038	15/1-02/J 1 7/8" M48x2,0 90°	1 7/8"-12	48x2,0	59,0	63,0	48	55	160	
407.039	15/1-02/J 7/16" M12x1,5 90°	7/16"-20	12x1,5	24,0	31,0	14	17	315	
407.040	15/1-02/J 1/2" M10x1,0 90°	1/2"-20	10x1,0	24,0	28,0	14	14	350	
407.041	15/1-02/J 1/2" M14x1,5 90°	1/2"-20	14x1,5	24,0	33,0	14	19	315	
407.042	15/1-02/J 9/16" M16x1,5 90°	9/16"-18	16x1,5	29,5	38,0	19	22	315	
407.043	15/1-02/J 3/4" M18x1,5 90°	3/4"-16	18x1,5	32,0	38,0	19	24	315	
407.044	15/1-02/J 7/8" M18x1,5 90°	7/8"-14	18x1,5	37,0	40,0	22	24	315	
407.045	15/1-02/J 7/8" M20x1,5 90°	7/8"-14	20x1,5	37,0	42,0	22	27	250	
407.046	15/1-02/J 1 1/16" M22x1,5 90°	1 1/16"-12	22x1,5	42,0	46,0	27	27	250	
407.047	15/1-02/J 1 5/16" M27x2,0 90°	1 5/16"-12	27x2,0	46,0	52,5	33	32	250	

Technische Änderungen vorbehalten.
Measurements may differ.



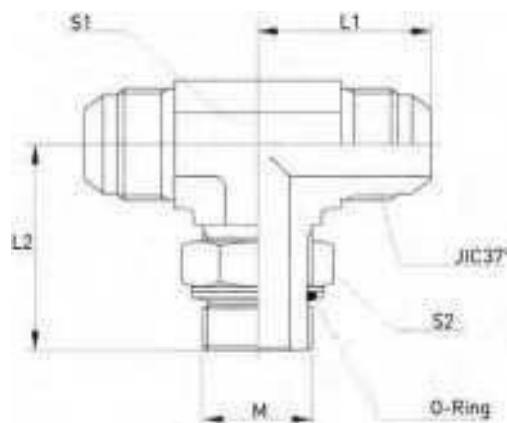
90° JIC-BSP Einstellbarer Winkel-Einschraubstutzen Typ 15/1-02/J.. G.. 90° /									
Einschraubseite BSP zyl. mit Dichtung, Anschlussseite UNF-JIC 37° /									
Male-stud 90° type 15/1-02/J..G.. 90° Male thread BSP, cylindric with washer; connector side UNF-JIC 37°									
Art. Nr.	Bezeichnung	JIC 37°	G	L1	L2	S1	S2	Bar	
Art. N°	Description								
407.000	15/1-02/J 7/16" G1/8" 90°	7/16"-20	1/8"	23,0	26,0	11	14	350	
407.001	15/1-02/J 1/2" G1/4" 90°	1/2"-20	1/4"	24,0	32,0	14	19	315	
407.002	15/1-02/J 9/16" G1/4" 90°	9/16"-18	1/4"	27,5	32,0	14	19	315	
407.003	15/1-02/J 3/4" G3/8" 90°	3/4"-16	3/8"	32,0	37,0	19	22	250	
407.004	15/1-02/J 7/8" G1/2" 90°	7/8"-14	1/2"	37,0	43,0	22	27	250	
407.005	15/1-02/J 1 1/16" G3/4" 90°	1 1/16"-12	3/4"	42,0	49,0	27	36	250	
407.006	15/1-02/J 1 5/16" G1" 90°	1 5/16"-12	1"	46,0	52,0	33	41	200	
407.007	15/1-02/J 1 5/8" G1 1/4" 90°	1 5/8"-12	1 1/4"	53,0	58,0	41	50	200	
407.008	15/1-02/J 1 7/8" G1 1/2" 90°	1 7/8"-12	1 1/2"	59,0	60,0	48	55	160	
407.009	15/1-02/J 7/16" G1/4" 90°	7/16"-20	1/4"	24,0	32,0	14	19	315	
407.010	15/1-02/J 7/16" G3/8" 90°	7/16"-20	3/8"	29,0	37,0	19	22	250	
407.011	15/1-02/J 7/16" G1/2" 90°	7/16"-20	1/2"	31,0	43,0	22	27	250	
407.012	15/1-02/J 1/2" G1/8" 90°	1/2"-20	1/8"	24,0	30,0	14	14	350	
407.013	15/1-02/J 1/2" G3/8" 90°	1/2"-18	3/8"	29,0	37,0	19	22	250	
407.014	15/1-02/J 9/16" G3/8" 90°	9/16"-18	3/8"	29,5	37,0	19	22	250	
407.015	15/1-02/J 9/16" G1/2" 90°	9/16"-18	1/2"	31,5	43,0	22	27	250	
407.016	15/1-02/J 3/4" G1/4" 90°	3/4"-16	1/4"	32,0	37,0	19	19	315	
407.017	15/1-02/J 3/4" G1/2" 90°	3/4"-16	1/2"	34,0	43,0	22	27	250	
407.018	15/1-02/J 3/4" G3/4" 90°	3/4"-16	3/4"	36,0	49,0	27	36	250	
407.019	15/1-02/J 7/8" G3/8" 90°	7/8"-14	3/8"	37,0	37,5	22	22	250	
407.020	15/1-02/J 7/8" G3/4" 90°	7/8"-14	3/4"	39,0	49,0	27	36	250	
407.021	15/1-02/J 1 1/16" G1/2" 90°	1 1/16"-12	1/2"	42,0	47,0	27	27	250	
407.022	15/1-02/J 1 1/16" G1" 90°	1 1/16"-12	1"	45,0	52,0	33	41	200	
407.023	15/1-02/J 1 5/16" G3/4" 90°	1 5/16"-12	3/4"	46,0	50,0	33	36	250	
407.024	15/1-02/J 1 5/16" G1 1/4" 90°	1 5/16"-12	1 1/4"	52,0	58,0	41	50	200	
407.025	15/1-02/J 1 5/8" G1" 90°	1 5/8"-12	1"	53,0	58,0	41	41	200	
407.026	15/1-02/J 1 7/8" G1 1/4" 90°	1 7/8"-12	1 1/4"	59,0	60,0	48	50	200	

Technische Änderungen vorbehalten.
Measurements may differ.



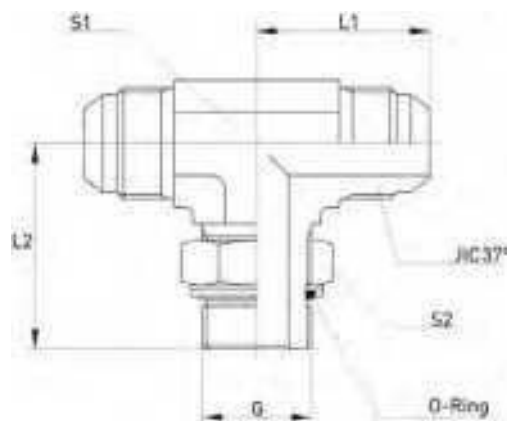
90° JIC-UNF Einstellbare Winkel-Einschraubstutzen Typ 15/1-02/J.. U.. 90° /								
Einschraubseite UNF zylindrisch mit Dichtung, Anschlussseite JIC 37° /								
Male-stud 90° type 15/1-02/J..U.. 90° Male thread UNF, cylindric with washer; connector side JIC 37°								
Art. Nr.	Bezeichnung	JIC 37°	UNF	L1	L2	S1	S2	Bar
Art. N°	Description							
407.050	15/1-02/J 7/16" U 7/16" 90°	7/16"-20	7/16"-20	23,0	27,0	11	14	400
407.051	15/1-02/J 1/2" U 1/2" 90°	1/2"-20	1/2"-20	24,0	29,0	14	17	400
407.052	15/1-02/J 9/16" U 9/16" 90°	9/16"-18	9/16"-18	27,5	32,0	14	17	350
407.053	15/1-02/J 3/4" U 3/4" 90°	3/4"-16	3/4"-16	32,0	37,0	19	22	350
407.054	15/1-02/J 7/8" U 7/8" 90°	7/8"-14	7/8"-14	37,0	43,0	22	27	350
407.055	15/1-02/J 1 1/16" U 1 1/16" 90°	1 1/16"-12	1 1/16"-12	42,0	49,5	27	32	350
407.056	15/1-02/J 1 5/16" U 1 5/16" 90°	1 5/16"-12	1 5/16"-12	46,0	52,0	33	41	290
407.057	15/1-02/J 1 5/8" U 1 5/8" 90°	1 5/8"-12	1 5/8"-12	53,0	58,0	41	50	240
407.058	15/1-02/J 1 7/8" U 1 7/8" 90°	1 7/8"-12	1 7/8"-12	59,0	60,0	48	55	240
407.059	15/1-02/J 7/16" U 1/2" 90°	7/16"-20	1/2"-20	24,0	29,0	14	17	400
407.060	15/1-02/J 7/16" U 9/16" 90°	7/16"-20	9/16"-18	24,0	32,0	14	17	350
407.061	15/1-02/J 1/2" U 9/16" 90°	1/2"-20	9/16"-18	24,0	32,0	14	17	350
407.062	15/1-02/J 9/16" U 7/16" 90°	9/16"-18	7/16"-20	27,5	28,0	14	14	350
407.063	15/1-02/J 9/16" U 1/2" 90°	9/16"-18	1/2"-20	27,5	29,0	14	17	350
407.064	15/1-02/J 9/16" U 3/4" 90°	9/16"-18	3/4"-16	29,5	37,0	19	22	350
407.065	15/1-02/J 9/16" U 7/8" 90°	9/16"-18	7/8"-14	31,5	43,0	22	27	350
407.066	15/1-02/J 3/4" U 9/16" 90°	3/4"-16	9/16"-18	32,0	36,5	19	17	350
407.067	15/1-02/J 3/4" U 7/8" 90°	3/4"-16	7/8"-14	34,0	43,0	22	27	350
407.068	15/1-02/J 3/4" U 1 1/16" 90°	3/4"-16	1 1/16"-12	36,0	49,5	27	32	350
407.069	15/1-02/J 7/8" U 3/4" 90°	7/8"-14	3/4"-16	37,0	39,5	22	22	350
407.070	15/1-02/J 7/8" U 1 1/16" 90°	7/8"-14	1 1/16"-12	39,0	49,5	27	32	350
407.071	15/1-02/J 1 1/16" U 3/4" 90°	1 1/16"-12	3/4"-16	42,0	41,5	27	22	350
407.072	15/1-02/J 1 1/16" U 7/8" 90°	1 1/16"-12	7/8"-14	42,0	47,0	27	27	350
407.073	15/1-02/J 1 1/16" U 1 5/16" 90°	1 1/16"-12	1 5/16"-12	45,0	52,0	33	41	290
407.074	15/1-02/J 1 5/16" U 1 1/16" 90°	1 5/16"-12	1 1/16"-12	46,0	51,5	33	32	290
407.075	15/1-02/J 1 5/16" U 1 5/8" 90°	1 5/16"-12	1 5/8"-12	52,0	58,0	41	50	240

Technische Änderungen vorbehalten.
Measurements may differ.



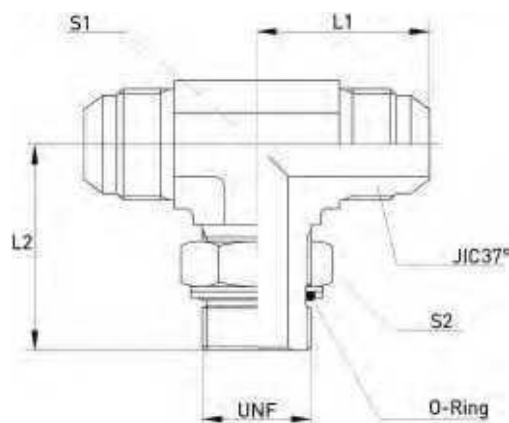
JIC-M Einstellbarer T-Einschraubstutzen Typ 15/1-03/J.. M.. / Einschraubseite metrisch zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° / Male-stud type 15/1-03/J..M Male thread metric, cylindric with washer; connector side UNF-JIC 37°									
Art. Nr.	Bezeichnung	JIC 37°	M	L1	L2	S1	S2	Bar	
Art. N°	Description								
407.260	15/1-03/J 7/16" M10x1,0	7/16"-20	10x1,0	23,0	27,0	11	14	350	
407.261	15/1-03/J 1/2" M12x1,5	1/2"-20	12x1,5	24,0	31,0	14	17	315	
407.262	15/1-03/J 9/16" M14x1,5	9/16"-18	14x1,5	27,5	33,0	14	19	315	
407.263	15/1-03/J 3/4" M16x1,5	3/4"-16	16x1,5	32,0	38,0	19	22	315	
407.264	15/1-03/J 7/8" M22x1,5	7/8"-14	22x1,5	37,0	42,0	22	27	250	
407.265	15/1-03/J 1 1/16" M27x2,0	1 1/16"-12	27x2,0	42,0	50,5	27	32	250	
407.266	15/1-03/J 1 5/16" M33x2,0	1 5/16"-12	33x2,0	46,0	52,5	33	41	200	
407.267	15/1-03/J 1 5/8" M42x2,0	1 5/8"-12	42x2,0	53,0	58,0	41	50	200	
407.268	15/1-03/J 1 7/8" M48x2,0	1 7/8"-12	48x2,0	59,0	63,0	48	55	160	
407.269	15/1-03/J 7/16" M12x1,5	7/16"-20	12x1,5	24,0	31,0	14	17	315	
407.270	15/1-03/J 1/2" M10x1,0	1/2"-20	10x1,0	24,0	28,0	14	14	350	
407.271	15/1-03/J 1/2" M14x1,5	1/2"-20	14x1,5	24,0	33,0	14	19	315	
407.272	15/1-03/J 9/16" M16x1,5	9/16"-18	16x1,5	29,5	38,0	19	22	315	
407.273	15/1-03/J 3/4" M18x1,5	3/4"-16	18x1,5	32,0	38,0	19	24	315	
407.274	15/1-03/J 7/8" M18x1,5	7/8"-14	18x1,5	37,0	40,0	22	24	315	
407.275	15/1-03/J 7/8" M20x1,5	7/8"-14	20x1,5	37,0	42,0	22	27	250	
407.276	15/1-03/J 1 1/16" M22x1,5	1 1/16"-12	22x1,5	42,0	46,0	27	27	250	
407.277	15/1-03/J 1 5/16" M27x2,0	1 5/16"-12	27x2,0	46,0	52,5	33	32	250	

Technische Änderungen vorbehalten.
Measurements may differ.



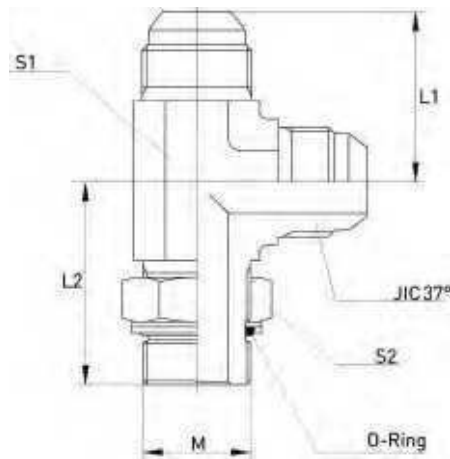
JIC-BSP Einstellbarer T-Einschraubstutzen Typ 15/1-03/J..G.. / Einschraubseite BSP zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° Male-stud type 15/1-03/J..G.. Male thread BSP, cylindric with washer; connector side UNF-JIC 37°								
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	G	L1	L2	S1	S2	Bar
407.230	15/1-03/J 7/16" G1/8"	7/16"-20	1/8"	23,0	26,0	11	14	350
407.231	15/1-03/J 1/2" G1/4"	1/2"-20	1/4"	24,0	32,0	14	19	315
407.232	15/1-03/J 9/16" G1/4"	9/16"-18	1/4"	27,5	32,0	14	19	315
407.233	15/1-03/J 3/4" G3/8"	3/4"-16	3/8"	32,0	37,0	19	22	250
407.234	15/1-03/J 7/8" G1/2"	7/8"-14	1/2"	37,0	43,0	22	27	250
407.235	15/1-03/J 1 1/16" G3/4"	1 1/16"-12	3/4"	42,0	49,0	27	36	250
407.236	15/1-03/J 1 5/16" G1"	1 5/16"-12	1"	46,0	52,0	33	41	200
407.237	15/1-03/J 1 5/8" G1 1/4"	1 5/8"-12	1 1/4"	53,0	58,0	41	50	200
407.238	15/1-03/J 1 7/8" G1 1/2"	1 7/8"-12	1 1/2"	59,0	60,0	48	55	160
407.239	15/1-03/J 7/16" G1/4"	7/16"-20	1/4"	24,0	32,0	14	19	315
407.240	15/1-03/J 7/16" G3/8"	7/16"-20	3/8"	29,0	37,0	19	22	250
407.241	15/1-03/J 7/16" G1/2"	7/16"-20	1/2"	31,0	43,0	22	27	250
407.242	15/1-03/J 1/2" G1/8"	1/2"-20	1/8"	24,0	30,0	14	14	350
407.243	15/1-03/J 1/2" G3/8"	1/2"-20	3/8"	29,0	37,0	19	22	250
407.244	15/1-03/J 9/16" G3/8"	9/16"-18	3/8"	29,5	37,0	19	22	250
407.245	15/1-03/J 9/16" G1/2"	9/16"-18	1/2"	31,5	43,0	22	27	250
407.246	15/1-03/J 3/4" G1/4"	3/4"-16	1/4"	32,0	37,0	19	19	315
407.247	15/1-03/J 3/4" G1/2"	3/4"-16	1/2"	34,0	43,0	22	27	250
407.248	15/1-03/J 3/4" G3/4"	3/4"-16	3/4"	36,0	49,0	27	36	250
407.249	15/1-03/J 7/8" G3/8"	7/8"-14	3/8"	37,0	37,5	22	22	250
407.250	15/1-03/J 7/8" G3/4"	7/8"-14	3/4"	39,0	49,0	27	36	250
407.251	15/1-03/J 1 1/16" G1/2"	1 1/16"-12	1/2"	42,0	47,0	27	27	250
407.252	15/1-03/J 1 1/16" G1"	1 1/16"-12	1"	45,0	52,0	33	41	200
407.253	15/1-03/J 1 5/16" G3/4"	1 5/16"-12	3/4"	46,0	50,0	33	36	250
407.254	15/1-03/J 1 5/16" G1 1/4"	1 5/16"-12	1 1/4"	52,0	58,0	41	50	200
407.255	15/1-03/J 1 5/8" G1"	1 5/8"-12	1"	53,0	58,0	41	41	200
407.256	15/1-03/J 1 7/8" G1 1/4"	1 7/8"-12	1 1/4"	59,0	60,0	48	50	200

Technische Änderungen vorbehalten.
Measurements may differ.



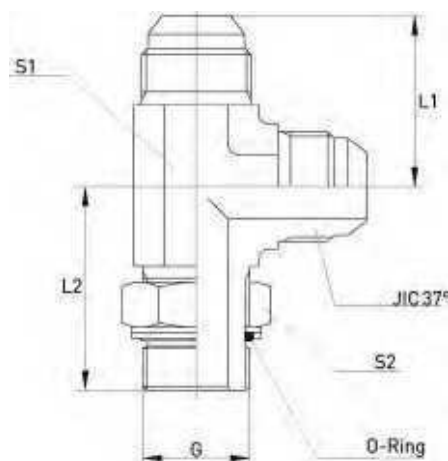
JIC-UNF Einstellbarer T-Einschraubstutzen Typ 15/1-03/J..U..								
Einschraubseite UNF zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° /								
Male-stud type 15/1-03/J..U Male thread UNF, cylindric with washer; connector side UNF-JIC 37°								
Art. Nr.	Bezeichnung	JIC 37°	UNF	L1	L2	S1	S2	Bar
Art. N°	Description							
407.280	15/1-03/J 7/16" U 7/16"	7/16"-20	7/16"-20	23,0	27,0	11	14	400
407.281	15/1-03/J 1/2" U 1/2"	1/2"-20	1/2"-20	24,0	29,0	14	17	400
407.282	15/1-03/J 9/16" U 9/16"	9/16"-18	9/16"-18	27,5	32,0	14	17	350
407.283	15/1-03/J 3/4" U 3/4"	3/4"-16	3/4"-16	32,0	37,0	19	22	350
407.284	15/1-03/J 7/8" U 7/8"	7/8"-14	7/8"-14	37,0	43,0	22	27	350
407.285	15/1-03/J 1 1/16" U 1 1/16"	1 1/16"-12	1 1/16"-12	42,0	49,5	27	32	350
407.286	15/1-03/J 1 5/16" U 1 5/16"	1 5/16"-12	1 5/16"-12	46,0	52,0	33	41	290
407.287	15/1-03/J 1 5/8" U 1 5/8"	1 5/8"-12	1 5/8"-12	53,0	58,0	41	50	240
407.288	15/1-03/J 1 7/8" U 1 7/8"	1 7/8"-12	1 7/8"-12	59,0	60,0	48	55	240
407.289	15/1-03/J 7/16" U 1/2"	7/16"-20	1/2"-20	24,0	29,0	14	17	400
407.290	15/1-03/J 7/16" U 9/16"	7/16"-20	9/16"-18	24,0	32,0	14	17	350
407.291	15/1-03/J 9/16" U 3/4"	9/16"-18	3/4"-16	29,5	37,0	19	22	350
407.292	15/1-03/J 3/4" U 7/8"	3/4"-16	7/8"-14	34,0	43,0	22	27	350
407.293	15/1-03/J 3/4" U 1 1/16"	3/4"-16	1 1/16"-12	36,0	49,5	27	32	350
407.294	15/1-03/J 7/8" U 3/4"	7/8"-14	3/4"-16	37,0	39,5	22	22	350
407.295	15/1-03/J 7/8" U 1 1/16"	7/8"-14	1 1/16"-12	39,0	49,5	27	32	350
407.296	15/1-03/J 1 1/16" U 3/4"	1 1/16"-12	3/4"-16	42,0	41,5	27	22	350
407.297	15/1-03/J 1 1/16" U 7/8"	1 1/16"-12	7/8"-14	42,0	47,0	27	27	350
407.298	15/1-03/J 1 1/16" U 1 5/16"	1 1/16"-12	1 5/16"-12	45,0	52,0	33	41	290
407.299	15/1-03/J 1 5/16" U 1 1/16"	1 5/16"-12	1 1/16"-12	46,0	51,5	33	32	290
407.300	15/1-03/J 1 5/16" U 1 5/8"	1 5/16"-12	1 5/8"-12	52,0	58,0	41	50	240

Technische Änderungen vorbehalten.
Measurements may differ.



JIC-M Einstellbarer L-Einschraubstutzen Typ 15/1-04/J.. M.. / Einschraubseite metrisch zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° Male-stud type 15/1-04/J.. M Male thread metric, cylindric with washer; connector side UNF-JIC 37°									
Art. Nr.	Bezeichnung	JIC 37°	M	L1	L2	S1	S2	Bar	
Art. N°	Description								
407.180	15/1-04/J 7/16" M10x1,0	7/16"-20	10x1,0	23,0	27,0	11	14	350	
407.181	15/1-04/J 1/2" M12x1,5	1/2"-20	12x1,5	24,0	31,0	14	17	315	
407.182	15/1-04/J 9/16" M14x1,5	9/16"-18	14x1,5	27,5	33,0	14	19	315	
407.183	15/1-04/J 3/4" M16x1,5	3/4"-16	16x1,5	32,0	38,0	19	22	315	
407.184	15/1-04/J 7/8" M22x1,5	7/8"-14	22x1,5	37,0	42,0	22	27	250	
407.185	15/1-04/J 1 1/16" M27x2,0	1 1/16"-12	27x2,0	42,0	50,5	27	32	250	
407.186	15/1-04/J 1 5/16" M33x2,0	1 5/16"-12	33x2,0	46,0	52,5	33	41	200	
407.187	15/1-04/J 1 5/8" M42x2,0	1 5/8"-12	42x2,0	53,0	58,0	41	50	200	
407.188	15/1-04/J 1 7/8" M48x2,0	1 7/8"-12	48x2,0	59,0	63,0	48	55	160	
407.189	15/1-04/J 7/16" M12x1,5	7/16"-20	12x1,5	24,0	31,0	14	17	315	
407.190	15/1-04/J 1/2" M10x1,0	1/2"-20	10x1,0	24,0	28,0	14	14	350	
407.191	15/1-04/J 1/2" M14x1,5	1/2"-20	14x1,5	24,0	33,0	14	19	315	
407.192	15/1-04/J 9/16" M16x1,5	9/16"-18	16x1,5	29,5	38,0	19	22	315	
407.193	15/1-04/J 3/4" M18x1,5	3/4"-16	18x1,5	32,0	38,0	19	24	315	
407.194	15/1-04/J 7/8" M18x1,5	7/8"-14	18x1,5	37,0	40,0	22	24	315	
407.195	15/1-04/J 7/8" M20x1,5	7/8"-14	20x1,5	37,0	42,0	22	27	250	
407.196	15/1-04/J 1 1/16" M22x1,5	1 1/16"-12	22x1,5	42,0	46,0	27	27	250	
407.197	15/1-04/J 1 5/16" M27x2,0	1 5/16"-12	27x2,0	46,0	52,5	33	32	250	

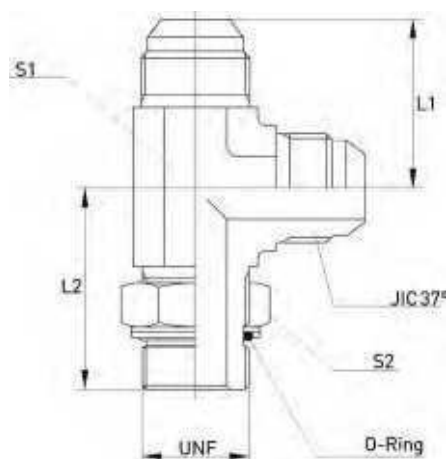
Technische Änderungen vorbehalten.
Measurements may differ.



JIC-BSP Einstellbarer L-Einschraubstutzen Typ 15/1-04/J.. G.. / Male-stud type 15/1-04/J.. G..
 Einschraubseite BSP zyl. mit Dichtung, Anschlussseite UNF-JIC 37° AG /
 Male thread BSP, cylindric with washer; connector side UNF-JIC 37° male

Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	G	L1	L2	S1	S2	Bar
407.150	15/1-04/J 7/16" G1/8"	7/16"-20	1/8"	23,0	26,0	11	14	350
407.151	15/1-04/J 1/2" G1/4"	1/2"-20	1/4"	24,0	32,0	14	19	315
407.152	15/1-04/J 9/16" G1/4"	9/16"-18	1/4"	27,5	32,0	14	19	315
407.153	15/1-04/J 3/4" G3/8"	3/4"-16	3/8"	32,0	37,0	19	22	250
407.154	15/1-04/J 7/8" G1/2"	7/8"-14	1/2"	37,0	43,0	22	27	250
407.155	15/1-04/J 1 1/16" G3/4"	1 1/16"-12	3/4"	42,0	49,0	27	36	250
407.156	15/1-04/J 1 5/16" G1"	1 5/16"-12	1"	46,0	52,0	33	41	200
407.157	15/1-04/J 1 5/8" G1 1/4"	1 5/8"-12	1 1/4"	53,0	58,0	41	50	200
407.158	15/1-04/J 1 7/8" G1 1/2"	1 7/8"-12	1 1/2"	59,0	60,0	48	55	160
407.159	15/1-04/J 7/16" G1/4"	7/16"-20	1/4"	24,0	32,0	14	19	315
407.160	15/1-04/J 7/16" G3/8"	7/16"-20	3/8"	29,0	37,0	19	22	250
407.161	15/1-04/J 7/16" G1/2"	7/16"-20	1/2"	31,0	43,0	22	27	250
407.162	15/1-04/J 1/2" G1/8"	1/2"-20	1/8"	24,0	30,0	14	14	350
407.163	15/1-04/J 1/2" G3/8"	1/2"-18	3/8"	29,0	37,0	19	22	250
407.164	15/1-04/J 9/16" G3/8"	9/16"-18	3/8"	29,5	37,0	19	22	250
407.165	15/1-04/J 9/16" G1/2"	9/16"-18	1/2"	31,5	43,0	22	27	250
407.166	15/1-04/J 3/4" G1/4"	3/4"-16	1/4"	32,0	37,0	19	19	315
407.167	15/1-04/J 3/4" G1/2"	3/4"-16	1/2"	34,0	43,0	22	27	250
407.168	15/1-04/J 3/4" G3/4"	3/4"-16	3/4"	36,0	49,0	27	36	250
407.169	15/1-04/J 7/8" G3/8"	7/8"-14	3/8"	37,0	37,5	22	22	250
407.170	15/1-04/J 7/8" G3/4"	7/8"-14	3/4"	39,0	49,0	27	36	250
407.171	15/1-04/J 1 1/16" G1/2"	1 1/16"-12	1/2"	42,0	47,0	27	27	250
407.172	15/1-04/J 1 1/16" G1"	1 1/16"-12	1"	45,0	52,0	33	41	200
407.173	15/1-04/J 1 5/16" G3/4"	1 5/16"-12	3/4"	46,0	50,0	33	36	250
407.174	15/1-04/J 1 5/16" G1 1/4"	1 5/16"-12	1 1/4"	52,0	58,0	41	50	200
407.175	15/1-04/J 1 5/8" G1"	1 5/8"-12	1"	53,0	58,0	41	41	200
407.176	15/1-04/J 1 7/8" G1 1/4"	1 7/8"-12	1 1/4"	59,0	60,0	48	50	200

Technische Änderungen vorbehalten.
 Measurements may differ.



JIC-UNF Einstellbarer L-Einschraubstutzen Typ 15/1-04/J..U.. / Male-stud type 15/1-04/J..U								
Einschraubseite UNF zylindrisch mit Dichtung, Anschlussseite UNF-JIC 37° AG /								
Male thread UNF, cylindric with washer; connector side UNF-JIC 37° male								
Art. Nr.	Bezeichnung	JIC 37°	UNF	L1	L2	S1	S2	Bar
Art. N°	Description							
407.200	15/1-04/J 7/16" U 7/16"	7/16"-20	7/16"-20	23,0	27,0	11	14	400
407.201	15/1-04/J 1/2" U 1/2"	1/2"-20	1/2"-20	24,0	29,0	14	17	400
407.202	15/1-04/J 9/16" U 9/16"	9/16"-18	9/16"-18	27,5	32,0	14	17	350
407.203	15/1-04/J 3/4" U 3/4"	3/4"-16	3/4"-16	32,0	37,0	19	22	350
407.204	15/1-04/J 7/8" U 7/8"	7/8"-14	7/8"-14	37,0	43,0	22	27	350
407.205	15/1-04/J 1 1/16" U 1 1/16"	1 1/16"-12	1 1/16"-12	42,0	49,5	27	32	350
407.206	15/1-04/J 1 5/16" U 1 5/16"	1 5/16"-12	1 5/16"-12	46,0	52,0	33	41	290
407.207	15/1-04/J 1 5/8" U 1 5/8"	1 5/8"-12	1 5/8"-12	53,0	58,0	41	50	240
407.208	15/1-04/J 1 7/8" U 1 7/8"	1 7/8"-12	1 7/8"-12	59,0	60,0	48	55	240
407.209	15/1-04/J 7/16" U 1/2"	7/16"-20	1/2"-20	24,0	29,0	14	17	400
407.210	15/1-04/J 7/16" U 9/16"	7/16"-20	9/16"-18	24,0	32,0	14	17	350
407.211	15/1-04/J 9/16" U 3/4"	9/16"-18	3/4"-16	29,5	37,0	19	22	350
407.212	15/1-04/J 3/4" U 7/8"	3/4"-16	7/8"-14	34,0	43,0	22	27	350
407.213	15/1-04/J 3/4" U 1 1/16"	3/4"-16	1 1/16"-12	36,0	49,5	27	32	350
407.214	15/1-04/J 7/8" U 3/4"	7/8"-14	3/4"-16	37,0	39,5	22	22	350
407.215	15/1-04/J 7/8" U 1 1/16"	7/8"-14	1 1/16"-12	39,0	49,5	27	32	350
407.216	15/1-04/J 1 1/16" U 3/4"	1 1/16"-12	3/4"-16	42,0	41,5	27	22	350
407.217	15/1-04/J 1 1/16" U 7/8"	1 1/16"-12	7/8"-14	42,0	47,0	27	27	350
407.218	15/1-04/J 1 1/16" U 1 5/16"	1 1/16"-12	1 5/16"-12	45,0	52,0	33	41	290
407.219	15/1-04/J 1 5/16" U 1 1/16"	1 5/16"-12	1 1/16"-12	46,0	51,5	33	32	290
407.220	15/1-04/J 1 5/16" U 1 5/8"	1 5/16"-12	1 5/8"-12	52,0	58,0	41	50	240

Technische Änderungen vorbehalten.
Measurements may differ.



Gerader Einschraubstutzen Typ 15-28/J.. MD.. /Adjustable straight connection type 15-28/J..MD..
metrisches Einschraubgewinde parallel, Anschlussseite JIC 37° Überwurfmutter /
metric thread, parallel, one side JIC 37° with nut

Art. Nr.	Bezeichnung	JIC 37°	M	L1	L2	S1	S2	Bar
Art. N°	Description							
406.850	15-28/J 7/16" MD10x1,0	7/16"-20	10x1,0	24,5	8	14	14	350
406.851	15-28/J 1/2" MD12x1,5	1/2"-20	12x1,5	26,0	8	17	17	350
406.852	15-28/J 9/16" MD14x1,5	9/16"-18	14x1,5	26,8	12	19	19	350
406.853	15-28/J 3/4" MD16x1,5	3/4"-16	16x1,5	29,6	12	22	22	350
406.854	15-28/J 7/8" MD22x1,5	7/8"-14	22x1,5	36,1	14	27	27	350
406.855	15-28/J 1 1/16" MD27x2,0	1 1/16"-12	27x2,0	36,7	16	32	32	350
406.856	15-28/J 1 5/16" MD33x2,0	1 5/16"-12	33x2,0	41,4	18	41	41	290
406.857	15-28/J 1 5/8" MD42x2,0	1 5/8"-12	42x2,0	43,8	20	50	50	240
406.858	15-28/J 1 7/8" MD48x2,0	1 7/8"-12	48x2,0	51,3	22	55	60	240
406.859	15-28/J 7/16" MD12x1,5	7/16"-20	12x1,5	24,5	8	17	14	350
406.860	15-28/J 1/2" MD10x1,0	1/2"-20	10x1,0	26,0	8	14	17	350
406.861	15-28/J 1/2" MD14x1,5	1/2"-20	14x1,5	26,0	12	19	17	350
406.862	15-28/J 9/16" MD16x1,5	9/16"-18	16x1,5	27,3	12	22	19	350
406.863	15-28/J 3/4" MD18x1,5	3/4"-16	18x1,5	30,6	12	24	22	350
406.864	15-28/J 7/8" MD18x1,5	7/8"-14	18x1,5	34,6	12	24	27	350
406.865	15-28/J 7/8" MD20x1,5	7/8"-14	20x1,5	35,6	14	27	27	350
406.866	15-28/J 1 1/16" MD22x1,5	1 1/16"-12	22x1,5	36,2	14	27	32	350
406.867	15-28/J 1 5/16" MD27x2,0	1 5/16"-12	27x2,0	40,4	16	32	41	290

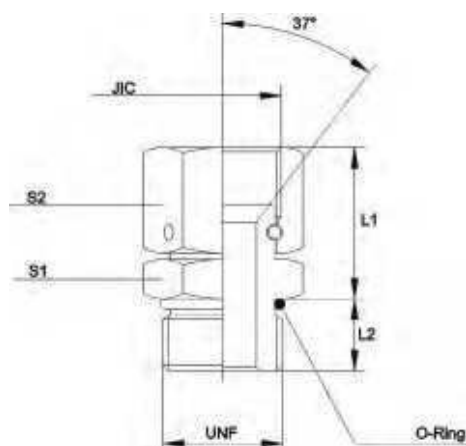
Technische Änderungen vorbehalten.
Measurements may differ.



Gerader Einschraubstutzen Typ 15-28/J.. GD.. / Adjustable straight connection type 15-28/J..GD..
 zölliges Einschraubgewinde parallel, Anschlussseite JIC 37° Überwurfmutter /
 BSP thread parallel, one side JIC 37° with nut

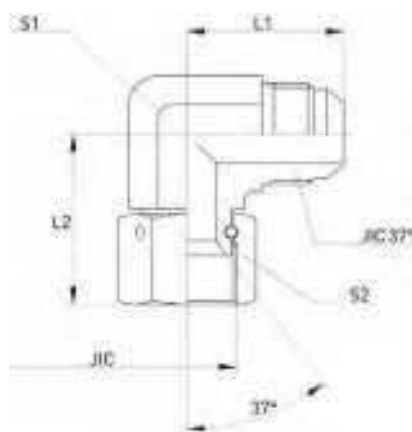
Art. Nr.	Bezeichnung	JIC 37°	G	L1	L2	S1	S2	Bar
Art. N°	Description							
406.820	15-28/J 7/16" GD1/8"	7/16"-20	1/8"	26,0	8	14	14	350
406.821	15-28/J 1/2" GD1/8"	1/2"-20	1/8"	27,5	8	14	17	350
406.822	15-28/J 9/16" GD1/4"	9/16"-18	1/4"	27,8	12	19	19	350
406.823	15-28/J 3/4" GD3/8"	3/4"-16	3/8"	32,1	12	22	22	350
406.824	15-28/J 7/8" GD1/2"	7/8"-14	1/2"	37,6	14	27	27	350
406.825	15-28/J 1 1/16" GD3/4"	1 1/16"-12	3/4"	39,2	16	36	36	350
406.826	15-28/J 1 5/16" GD1"	1 5/16"-12	1"	44,4	18	41	41	290
406.827	15-28/J 1 5/8" GD1 1/4"	1 5/8"-12	1 1/4"	47,3	20	50	50	240
406.828	15-28/J 1 7/8" GD1 1/2"	1 7/8"-12	1 1/2"	54,8	22	55	60	240
406.829	15-28/J 7/16" GD1/4"	7/16"-20	1/4"	25,5	12	19	14	350
406.830	15-28/J 7/16" GD3/8"	7/16"-20	3/8"	27,5	12	22	14	350
406.831	15-28/J 1/2" GD1/4"	1/2"-20	1/4"	27,0	12	19	17	350
406.832	15-28/J 1/2" GD3/8"	1/2"-20	3/8"	29,0	12	22	17	350
406.833	15-28/J 9/16" GD3/8"	9/16"-18	3/8"	29,8	12	22	19	350
406.834	15-28/J 9/16" GD1/2"	9/16"-18	1/2"	31,3	14	27	19	350
406.835	15-28/J 3/4" GD1/4"	3/4"-16	1/4"	30,1	12	19	22	350
406.836	15-28/J 3/4" GD1/2"	3/4"-16	1/2"	33,6	14	27	22	350
406.837	15-28/J 7/8" GD3/8"	7/8"-14	3/8"	36,1	12	22	27	350
406.838	15-28/J 7/8" GD3/4"	7/8"-14	3/4"	39,1	16	36	27	350
406.839	15-28/J 1 1/16" GD1/2"	1 1/16"-12	1/2"	37,7	14	27	32	350
406.840	15-28/J 1 1/16" GD1"	1 1/16"-12	1"	40,7	18	41	32	290
406.841	15-28/J 1 5/16" GD3/4"	1 5/16"-12	3/4"	42,9	16	36	41	290
406.842	15-28/J 1 5/16" GD1 1/4"	1 5/16"-12	1 1/4"	46,9	20	50	41	24
406.843	15-28/J 1 5/8" GD1"	1 5/8"-12	1"	44,8	18	41	50	240
406.844	15-28/J 1 7/8" GD1 1/4"	1 7/8"-12	1 1/4"	54,3	20	50	60	240

Technische Änderungen vorbehalten.
 Measurements may differ.

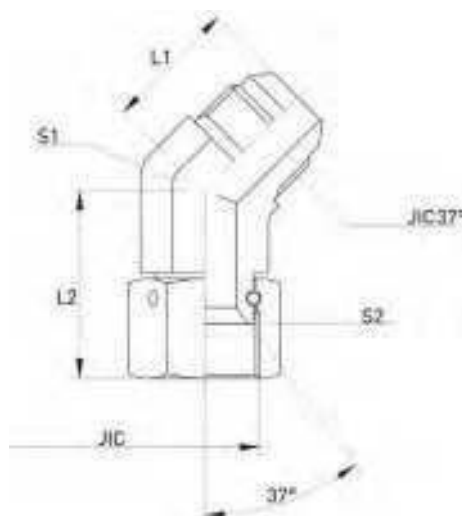


Gerader Einschraubstutzen Typ 15-28/J..U.. / Adjustable straight connection type 15-28/J..U..								
UNF Einschraubgewinde parallel; Anschlussseite JIC 37° Überwurfmutter /								
UNF thread parallel, one side JIC 37°								
Art. Nr.	Bezeichnung	JIC 37°	UNF	L1	L2	S1	S2	Bar
Art. N°	Description							
406.870	15-28/J 7/16" U 7/16"	7/16"-20	7/16"-20	25,4	9,1	14	14	350
406.871	15-28/J 1/2" U 1/2"	1/2"-20	1/2"-20	26,9	9,1	17	17	350
406.872	15-28/J 9/16" U 9/16"	9/16"-18	9/16"-18	28,8	10,0	17	19	350
406.873	15-28/J 3/4" U 3/4"	3/4"-16	3/4"-16	32,0	11,1	22	22	350
406.874	15-28/J 7/8" U 7/8"	7/8"-14	7/8"-14	37,4	12,7	27	27	350
406.875	15-28/J 1 1/16" U 1 1/16"	1 1/16"-12	1 1/16"-12	39,1	15,1	32	32	350
406.876	15-28/J 1 5/16" U 1 5/16"	1 5/16"-12	1 5/16"-12	43,3	15,1	41	41	290
406.877	15-28/J 1 5/8" U 1 5/8"	1 5/8"-12	1 5/8"-12	45,7	15,1	50	50	240
406.878	15-28/J 1 7/8" U 1 7/8"	1 7/8"-12	1 7/8"-12	54,7	15,1	55	60	240
406.879	15-28/J 7/16" U 1/2"	7/16"-20	1/2"-20	25,4	9,1	17	17	350
406.880	15-28/J 7/16" U 9/16"	7/16"-20	9/16"-18	26,5	10,0	17	19	350
406.881	15-28/J 9/16" U 3/4"	9/16"-18	3/4"-16	29,7	11,1	22	19	350
406.882	15-28/J 3/4" U 7/8"	3/4"-16	7/8"-14	33,4	12,7	27	22	350
406.883	15-28/J 3/4" U 1 1/16"	3/4"-16	1 1/16"-12	35,0	15,1	32	22	350
406.884	15-28/J 7/8" U 3/4"	7/8"-14	3/4"-16	36,0	11,1	22	27	350
406.885	15-28/J 7/8" U 1 1/16"	7/8"-14	1 1/16"-12	39,0	15,1	32	27	350
406.886	15-28/J 1 1/16" U 3/4"	1 1/16"-12	3/4"-16	37,6	11,1	27	19	350
406.887	15-28/J 1 1/16" U 7/8"	1 1/16"-12	7/8"-14	37,5	12,7	27	22	350
406.888	15-28/J 1 1/16" U 1 5/16"	1 1/16"-12	1 5/16"-12	39,6	15,1	41	41	290
406.889	15-28/J 1 5/16" U 1 1/16"	1 5/16"-12	1 1/16"-12	42,8	15,1	32	32	290
406.890	15-28/J 1 5/16" U 1 5/8"	1 5/16"-12	1 5/8"-12	45,3	15,1	50	50	240

Technische Änderungen vorbehalten.
Measurements may differ.

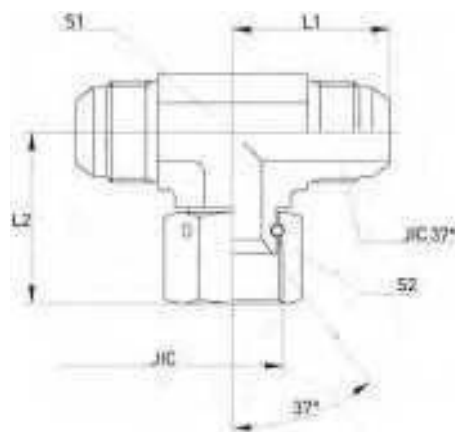


JIC 90°- Einstellbare W-Verschraubung Typ 15/1-29/J... 90° / Adjustable elbow coupling 90° Type 15/1-29/J...90°							
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	S1	S2	Bar
406.950	15/1-29/J 7/16" 90°	7/16"-20	23,0	26,5	11	14	450
406.951	15/1-29/J 1/2" 90°	1/2"-20	24,0	27,0	14	17	450
406.952	15/1-29/J 9/16" 90°	9/16"-18	27,5	31,3	14	19	350
406.953	15/1-29/J 1/2" 90°	3/4"-16	32,0	35,6	19	22	350
406.954	15/1-29/J 7/8" 90°	7/8"-14	37,0	41,6	22	27	350
406.955	15/1-29/J 1 1/16" 90°	1 1/16"-12	42,0	44,2	27	32	350
406.956	15/1-29/J 1 5/16" 90°	1 5/16"-12	46,0	51,4	33	41	290
406.957	15/1-29/J 1 5/8" 90°	1 5/8"-12	53,0	58,8	41	50	240
406.958	15/1-29/J 1 7/8" 90°	1 7/8"-12	59,0	66,3	48	60	240

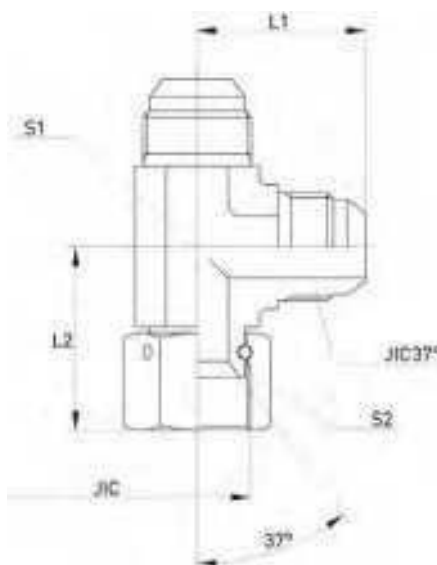


JIC 45°- Einstellbare W-Verschraubung Typ 15/1-29/J... 45° / Adjustable elbow coupling 45° Type 15/1-29/J...45°							
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	S1	S2	Bar
406.960	15/1-29/J 7/16" 45°	7/16"-20	19,5	24,5	11	14	450
406.961	15/1-29/J 1/2" 45°	1/2"-20	20,0	25,5	14	17	450
406.962	15/1-29/J 9/16" 45°	9/16"-18	21,5	27,3	14	19	350
406.963	15/1-29/J 3/4" 45°	3/4"-16	25,5	33,1	19	22	350
406.964	15/1-29/J 7/8" 45°	7/8"-14	29,0	36,6	22	27	350
406.965	15/1-29/J 1 1/16" 45°	1 1/16"-12	33,0	37,2	27	32	350
406.966	15/1-29/J 1 5/16" 45°	1 5/16"-12	38,0	45,4	33	41	290
406.967	15/1-29/J 1 5/8" 45°	1 5/8"-12	40,0	51,3	41	50	240
406.968	15/1-29/J 1 7/8" 45°	1 7/8"-12	45,0	57,8	48	60	240

Technische Änderungen vorbehalten.
Measurements may differ.

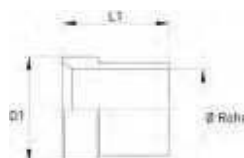


JIC - Einstellbare T-Verschraubung Typ 15/2-29/J... / Adjustable JIC tee coupling Type 15/2-29/J AG-AG-UM UNF-JIC 37° / male male female UNF-JIC 37°							
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	S1	S2	Bar
406.980	15/2-29/J 7/16"	7/16"-20	23,0	26,5	11	14	450
406.981	15/2-29/J 1/2"	1/2"-20	24,0	27,0	14	17	450
406.982	15/2-29/J 9/16"	9/16"-18	27,5	31,3	14	19	350
406.983	15/2-29/J 3/4"	3/4"-16	32,0	35,6	19	22	350
406.984	15/2-29/J 7/8"	7/8"-14	37,0	41,6	22	27	350
406.985	15/2-29/J 1 1/16"	1 1/16"-12	42,0	44,2	27	32	350
406.986	15/2-29/J 1 5/16"	1 5/16"-12	46,0	51,4	33	41	290
406.987	15/2-29/J 1 5/8"	1 5/8"-12	53,0	58,8	41	50	240
406.988	15/2-29/J 1 7/8"	1 7/8"-12	59,0	66,3	48	60	240

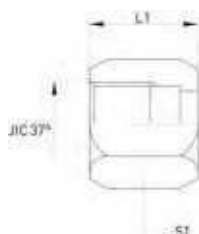


JIC - Einstellbare L-Verschraubung Typ 15/3-29/J... / Adjustable JIC L-coupling Type 15/3-29/J AG-AG-UM UNF-JIC 37° / male male female UNF-JIC 37°							
Art. Nr. Art. N°	Bezeichnung Description	JIC 37°	L1	L2	S1	S2	Bar
406.970	15/3-29/J 7/16"	7/16"-20	23,0	26,5	11	14	450
406.971	15/3-29/J 1/2"	1/2"-20	24,0	27,0	14	17	450
406.972	15/3-29/J 9/16"	9/16"-18	27,5	31,3	14	19	350
406.973	15/3-29/J 3/4"	3/4"-16	32,0	35,6	19	22	350
406.974	15/3-29/J 7/8"	7/8"-14	37,0	41,6	22	27	350
406.975	15/3-29/J 1 1/16"	1 1/16"-12	42,0	44,2	27	32	350
406.976	15/3-29/J 1 5/16"	1 5/16"-12	46,0	51,4	33	41	290
406.977	15/3-29/J 1 5/8"	1 5/8"-12	53,0	58,8	41	50	240
406.978	15/3-29/J 1 7/8"	1 7/8"-12	59,0	66,3	48	60	240

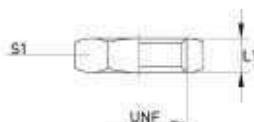
Technische Änderungen vorbehalten.
Measurements may differ.



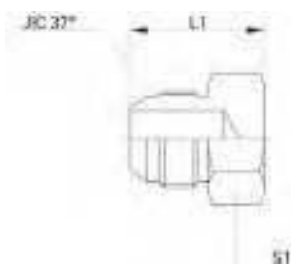
Stützhülse Typ STH.. / Reinforcing sleeve type STH..					
Art. Nr. Art. N°	Bezeichnung Description	Ø Rohr M	D1	L1	Bar
407.730	STH 6	6	9,7	10,4	450
407.731	STH 8	8	11,3	11,2	450
407.732	STH 10	10	12,7	12,7	350
407.733	STH 12	12	17,3	14,2	350
407.734	STH 16	16	20,2	16,8	350
407.735	STH 20	20	24,6	17,3	350
407.736	STH 25	25	31,0	19,8	290
407.737	STH 32	32	38,9	23,1	240
407.738	STH 38	38	45,3	28,4	240
407.739	STH 14	14	20,2	16,8	350
407.740	STH 15	15	20,2	16,8	350
407.741	STH 18	18	24,6	17,3	350
407.742	STH 30	30	38,9	23,1	240



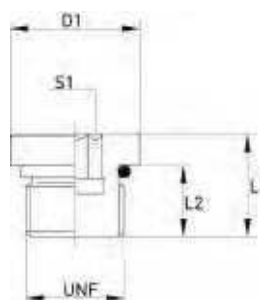
Überwurfmutter Typ 15-30/J.. / Screw cap type 15-30/J.. UNF-JIC Gewinde/ UNF-JIC thread					
Art. Nr. Art. N°	Bezeichnung Description	Ø Rohr M	JIC 37°	D1	L1 Bar
407.750	15-30/J 7/16"	6	7/16"-20	9,7	10,4
407.751	15-30/J 1/2"	8	1/2"-20	11,3	11,2
407.752	15-30/J 9/16"	10	9/16"-18	12,7	12,7
407.753	15-30/J 3/4"	12	3/4"-16	17,3	14,2
407.754	15-30/J 7/8"	16	7/8"-14	20,2	16,8
407.755	15-30/J 1 1/16"	20	1 1/16"-12	24,6	17,3
407.756	15-30/J 1 5/16"	25	1 5/16"-12	31,0	19,8
407.757	15-30/J 1 5/8"	32	1 5/8"-12	38,9	23,1
407.758	15-30/J 1 7/8"	38	1 7/8"-12	45,3	28,4



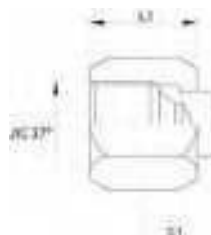
Kontermutter Typ 15-32/J.. / Lock nut type 15-32/J..				
Art.Nr. Art.N°	Bezeichnung Description	UNF	L1	S1
407.720	15-32/J 7/16"	7/16"-20	7,1	17
407.721	15-32/J 1/2"	1/2"-20	7,1	19
407.722	15-32/J 9/16"	9/16"-18	7,1	22
407.723	15-32/J 3/4"	3/4"-16	7,9	24
407.724	15-32/J 7/8"	7/8"-14	9,1	30
407.725	15-32/J 1 1/16"	1 1/16"-12	10,4	36
407.726	15-32/J 1 5/16"	1 5/16"-12	10,4	41
407.727	15-32/J 1 5/8"	1 5/8"-12	10,4	50
407.728	15-32/J 1 7/8"	1 7/8"-12	10,4	55



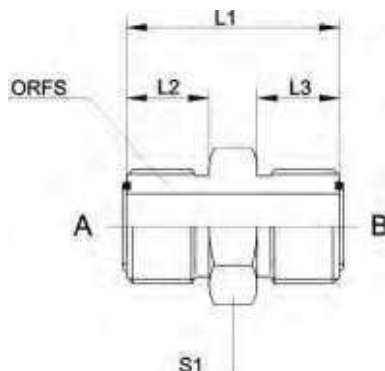
Verschlussstopfen Typ 15-360/J.. / Sealing plug type 15-360/J.. für IG JIC 37° / for female thread JIC 37°				
Art.Nr. Art.N°	Bezeichnung Description	JIC 37°	L1	S1
407.700	15-360/J 7/16"	7/16"-20	20,5	12
407.701	15-360/J 1/2"	1/2"-20	20,5	14
407.702	15-360/J 9/16"	9/16"-18	21,5	17
407.703	15-360/J 3/4"	3/4"-16	24,0	22
407.704	15-360/J 7/8"	7/8"-14	28,0	24
407.705	15-360/J 1 1/16"	1 1/16"-12	32,0	30
407.706	15-360/J 1 5/16"	1 5/16"-12	34,0	36
407.707	15-360/J 1 5/8"	1 5/8"-12	37,0	46
407.708	15-360/J 1 7/8"	1 7/8"-12	42,0	50



Verschlussstopfen Typ IVSU.. / Sealing plug type IVSU..						
Art.Nr. Art.N°	Bezeichnung Description	UNF	D1	L1	L2	S1
407.710	IVSU 7/16"	7/16"-20	14,0	12,0	9,1	4,78
407.711	IVSU 1/2"	1/2"-20	16,0	12,0	9,1	4,78
407.712	IVSU 9/16"	9/16"-18	17,5	12,7	10,0	6,35
407.713	IVSU 3/4"	3/4"-16	22,0	14,8	11,1	7,95
407.714	IVSU 7/8"	7/8"-14	25,5	16,5	12,7	9,52
407.715	IVSU 1 1/16"	1 1/16"-12	32,0	19,5	15,1	14,3
407.716	IVSU 1 5/16"	1 5/16"-12	38,0	19,5	15,1	15,88
407.717	IVSU 1 5/8"	1 5/8"-12	48,0	19,5	15,1	19,05
407.718	IVSU 1 7/8"	1 7/8"-12	54,0	19,5	15,1	19,05

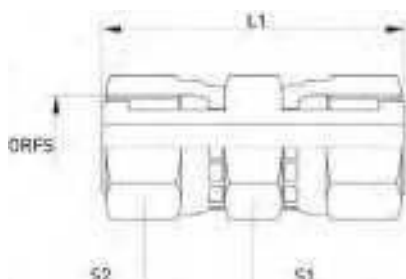


Verschlussmutter Typ 15-37/J.. / Lock nut type 15-37/J.. für AG JIC 37° / for male thread JIC 37°				
Art.Nr. Art.N°	Bezeichnung Description	JIC 37°	L1	S1
407.690	15-37/J 7/16"	7/16"-20	15,5	14
407.691	15-37/J 1/2"	1/2"-20	17,0	17
407.692	15-37/J 9/16"	9/16"-18	18,3	19
407.693	15-37/J 3/4"	3/4"-16	21,3	22
407.694	15-37/J 7/8"	7/8"-14	24,6	27
407.695	15-37/J 1 1/16"	1 1/16"-12	25,9	32
407.696	15-37/J 1 5/16"	1 5/16"-12	28,4	41
407.697	15-37/J 1 5/8"	1 5/8"-12	31,0	50
407.698	15-37/J 1 7/8"	1 7/8"-12	35,8	60



ORFS-Doppelstutzen Typ 15-10/O.. / ORFS double stud type 15-10/O..

Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	L3	S1	Bar
404.300	15-10/O 9/16"	9/16"-18	9/16"-18	27,5	10,0	10,0	17	630
404.301	15-10/O 11/16"	11/16"-16	11/16"-16	31,0	11,0	11,0	19	630
404.302	15-10/O 13/16"	13/16"-16	13/16"-16	35,5	13,0	13,0	22	630
404.303	15-10/O 1"	1"-14	1"-14	42,5	15,5	15,5	27	420
404.304	15-10/O 1 3/16"	1 3/16"-12	1 3/16"-12	47,0	17,0	17,0	32	420
404.305	15-10/O 1 7/16"	1 7/16"-12	1 7/16"-12	49,5	17,5	17,5	41	420
404.306	15-10/O 1 11/16"	1 11/16"-12	1 11/16"-12	51,5	17,5	17,5	46	280
404.307	15-10/O 2"	2"-12	2"-12	53,0	17,5	17,5	55	280
404.308	15-14/O 11/16"x9/16"	11/16"-16	9/16"-18	30,0	11,0	10,0	19	630
404.309	15-14/O 13/16"x11/16"	13/16"-16	11/16"-16	33,5	13,0	11,0	22	630
404.310	15-14/O 1"x13/16"	1"-14	13/16"-16	40,0	15,5	13,0	27	420
404.311	15-14/O 1 3/16"x11/16"	1 3/16"-12	11/16"-16	41,0	17,0	11,0	32	420
404.312	15-14/O 1 3/16"x13/16"	1 3/16"-12	13/16"-16	43,0	17,0	13,0	32	420
404.313	15-14/O 1 3/16"x1"	1 3/16"-12	1"-14	45,5	17,0	15,5	32	420
404.314	15-14/O 1 7/16"x1 3/16"	1 7/16"-12	1 3/16"-12	49,0	17,5	17,0	41	420
404.315	15-14/O 1 11/16"x1 7/16"	1 11/16"-12	1 7/16"-12	51,5	17,5	17,5	45	280



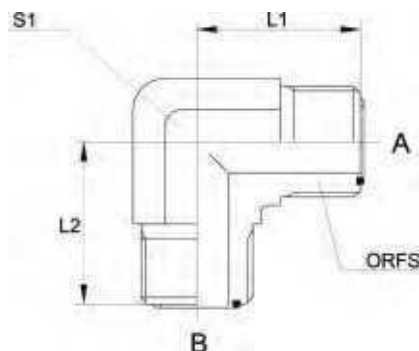
ORFS Verbinder Typ SVO.. / ORFS coupling type SVO..

Beidseitig Überwurfmutter/ screw cap on both sides

Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	S1	S2	Bar
404.695	SVO 9/16"	9/16"-18	39,5	17	17	630
404.696	SVO 11/16"	11/16"-16	45,0	19	22	630
404.697	SVO 13/16"	13/16"-16	51,5	22	24	630
404.698	SVO 1"	1"-14	61,5	27	30	420
404.699	SVO 1 3/16"	1 3/16"-12	68,0	32	36	420
404.700	SVO 1 7/16"	1 7/16"-12	71,5	41	41	420
404.701	SVO 1 11/16"	1 11/16"-12	73,5	46	50	280
404.702	SVO 2"	2"-12	75,0	55	60	280

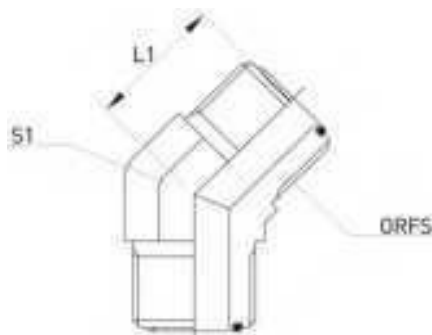
Technische Änderungen vorbehalten.

Measurements may differ.



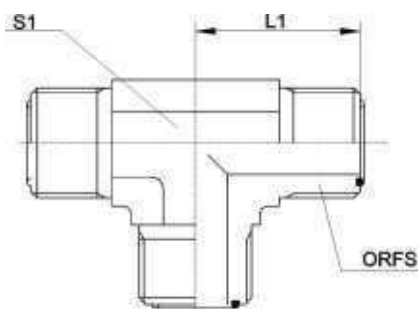
ORFS-Winkelstutzen Typ 15-11/O.. 90° / ORFS elbow stud type 15-11/O.. 90°

Art. Nr. Art. N°	Bezeichnung Description	A	B	L1	L2	S1	Bar
404.795	15-11/O 9/16" 90°	9/16"-18	9/16"-18	21,5	21,5	14	630
404.796	15-11/O 11/16" 90°	11/16"-16	11/16"-16	25,0	25,0	19	630
404.797	15-11/O 13/16" 90°	13/16"-16	13/16"-16	28,0	28,0	19	630
404.798	15-11/O 1" 90°	1"-14	1"-14	33,5	33,5	27	420
404.799	15-11/O 1 3/16" 90°	1 3/16"-12	1 3/16"-12	37,5	37,5	30	420
404.800	15-11/O 1 7/16" 90°	1 7/16"-12	1 7/16"-12	41,5	41,5	36	420
404.801	15-11/O 1 11/16" 90°	1 11/16"-12	1 11/16"-12	44,5	44,5	41	280
404.802	15-11/O 2" 90°	2"-12	2"-12	49,0	49,0	48	280
404.803	15-11/O 11/16"x9/16" 90°	11/16"-16	9/16"-18	25,0	23,5	19	630
404.804	15-11/O 13/16"x11/16" 90°	13/16"-16	11/16"-16	28,0	25,0	19	630
404.805	15-11/O 1"x13/16" 90°	1"-14	13/16"-16	33,5	31,5	27	420
404.806	15-11/O 1 3/16"x11/16" 90°	1 3/16"-12	11/16"-16	37,5	32,5	30	420
404.807	15-11/O 1 3/16"x13/16" 90°	1 3/16"-12	13/16"-16	37,5	34,5	30	420
404.808	15-11/O 1 3/16"x1" 90°	1 3/16"-12	1"-14	37,5	36,5	30	420
404.809	15-11/O 1 7/16"x1 3/16" 90°	1 7/16"-12	1 3/16"-12	41,5	41,0	36	420
404.810	15-11/O 1 11/16"x1 7/16" 90°	1 11/16"-12	1 7/16"-12	44,5	44,5	41	280



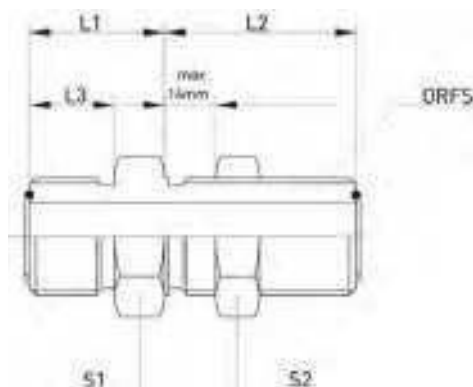
ORFS-Winkelstutzen Typ 15-11/O.. 45° / ORFS elbow stud type 15-11/O.. 45°

Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	S1	Bar
404.815	15-11/O 9/16" 45°	9/16"-18	16,0	14	630
404.816	15-11/O 11/16" 45°	11/16"-16	19,0	19	630
404.817	15-11/O 13/16" 45°	13/16"-16	20,5	19	630
404.818	15-11/O 1" 45°	1"-14	23,5	27	420
404.819	15-11/O 1 3/16" 45°	1 3/16"-12	26,0	30	420
404.820	15-11/O 1 7/16" 45°	1 7/16"-12	30,0	36	420
404.821	15-11/O 1 11/16" 45°	1 11/16"-12	32,0	41	280
404.822	15-11/O 2" 45°	2"-12	37,0	48	280



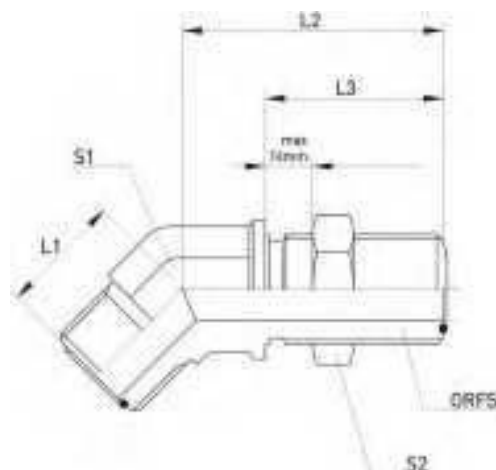
ORFS T-Stutzen Typ 15-12/O.. / ORFS tee stud type 15-12/O..					
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	S1	Bar
404.865	15-12/O 9/16"	9/16"-18	21,5	14	630
404.866	15-12/O 11/16"	11/16"-16	25,0	19	630
404.867	15-12/O 13/16"	13/16"-16	28,0	19	630
404.868	15-12/O 1"	1"-14	33,5	27	420
404.869	15-12/O 1 3/16"	1 3/16"-12	37,5	30	420
404.870	15-12/O 1 7/16"	1 7/16"-12	41,5	36	420
404.871	15-12/O 1 11/16"	1 11/16"-12	44,5	41	280
404.872	15-12/O 2"	2"-12	49,0	48	280

Technische Änderungen vorbehalten.
Measurements may differ.



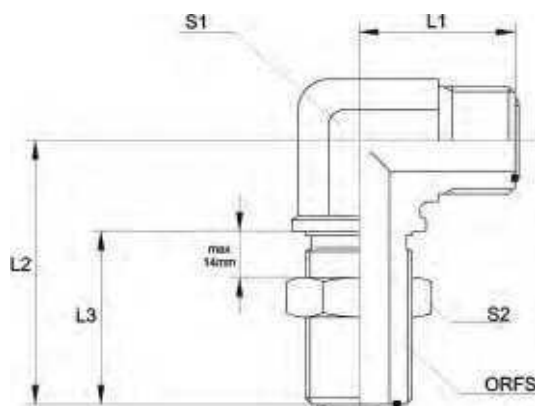
ORFS SchottstutzenTyp 15-22/O.. / ORFS bulkhead stud type 15-22/O..								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	L3	S1	S2	Bar
404.320	15-22/O 9/16"	9/16"-18	16,5	31,5	10,0	22	22	630
404.321	15-22/O 11/16"	11/16"-16	19,0	34,0	11,0	27	27	630
404.322	15-22/O 13/16"	13/16"-16	22,0	36,5	13,0	30	30	630
404.323	15-22/O 1"	1"-14	26,0	40,5	15,5	36	36	420
404.324	15-22/O 1 3/16"	1 3/16"-12	27,5	41,5	17,0	41	41	420
404.325	15-22/O 1 7/16"	1 7/16"-12	28,0	42,0	17,5	46	46	280
404.326	15-22/O 1 11/16"	1 11/16"-12	28,0	42,0	17,5	50	50	280
404.327	15-22/O 2"	2"-12	28,0	42,0	17,5	60	60	280

Technische Änderungen vorbehalten.
Measurements may differ.



45° ORFS Winkel-SchottstutzenTyp 15/1-22/O.. 45° /
45° ORFS elbow bulkhead stud type 15/1-22/O.. 45°

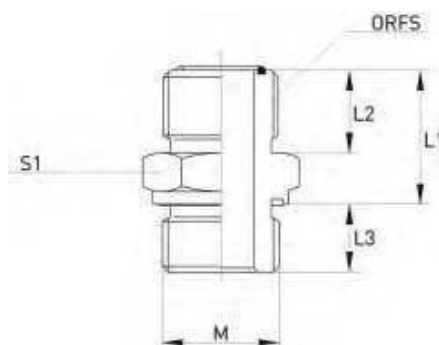
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	L3	S1	S2	Bar
404.825	15/1-22/O 9/16" 45°	9/16"-18	16,0	44,0	31,5	14	22	630
404.826	15/1-22/O 11/16" 45°	11/16"-16	19,0	48,5	34,0	19	27	630
404.827	15/1-22/O 13/16" 45°	13/16"-16	20,5	51,0	36,5	19	30	630
404.828	15/1-22/O 1" 45°	1"-14	23,5	56,5	40,5	27	36	420
404.829	15/1-22/O 1 3/16" 45°	1 3/16"-12	26,0	60,5	41,5	30	41	420
404.830	15/1-22/O 1 7/16" 45°	1 7/16"-12	30,0	65,0	42,0	36	46	420
404.831	15/1-22/O 1 11/16" 45°	1 11/16"-12	32,0	67,0	42,0	41	50	280
404.832	15/1-22/O 2" 45°	2"-12	37,0	67,0	42,0	48	60	280



90° ORFS Winkel-SchottstutzenTyp 15/1-22/O.. 90° /
90° ORFS elbow bulkhead stud type 15/1-22/O.. 90°

Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	L3	S1	S2	Bar
404.835	15/1-22/O 9/16" 90°	9/16"-18	21,5	47,0	31,5	14	22	630
404.836	15/1-22/O 11/16" 90°	11/16"-16	25,0	52,0	34,0	19	27	630
404.837	15/1-22/O 13/16" 90°	13/16"-16	28,0	55,5	36,5	19	30	630
404.838	15/1-22/O 1" 90°	1"-14	33,5	63,0	40,5	27	36	420
404.839	15/1-22/O 1 3/16" 90°	1 3/16"-12	37,5	67,0	41,5	30	41	420
404.840	15/1-22/O 1 7/16" 90°	1 7/16"-12	41,5	71,0	42,0	36	46	420
404.841	15/1-22/O 1 11/16" 90°	1 11/16"-12	44,5	75,5	42,0	41	50	280
404.842	15/1-22/O 2" 90°	2"-12	49,0	79,5	42,0	48	60	280

Technische Änderungen vorbehalten.
 Measurements may differ.



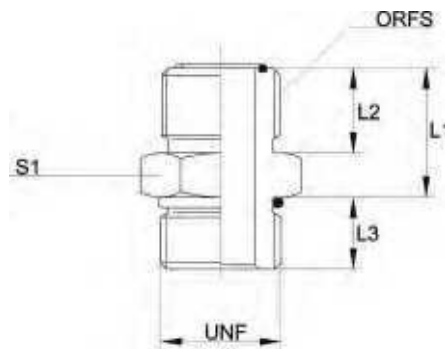
ORFS-M Einschraubstutzen Typ 15-01/O.. MD.. / ORFS-M stud type 15-01/O.. MD..								
Metrisches Einschraubgewinde, parallel, Form E / metric thread, parallel, form E								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	M	L1	L2	L3	S1	Bar
404.050	15-01/O 9/16" MD12x1,5	9/16"-18	12x1,5	18,0	10,0	12	17	630
404.051	15-01/O 11/16" MD14x1,5	11/16"-16	14x1,5	20,0	11,0	12	19	630
404.052	15-01/O 13/16" MD18x1,5	13/16"-16	18x1,5	22,5	13,0	12	24	630
404.053	15-01/O 1" MD22x1,5	1"-14	22x1,5	27,0	15,5	14	27	420
404.054	15-01/O 1 3/16" MD27x2,0	1 3/16"-12	27x2,0	30,0	17,0	16	32	420
404.055	15-01/O 1 7/16" MD33x2,0	1 7/16"-12	33x2,0	32,0	17,5	18	41	420
404.056	15-01/O 1 11/16" MD42x2,0	1 11/16"-12	42x2,0	34,0	17,5	20	50	280
404.057	15-01/O 2" MD48x2,0	2"-12	48x2,0	35,5	17,5	22	55	280
404.058	15-01/O 9/16" MD10x1,0	9/16"-18	10x1,0	17,5	10,0	8	17	350
404.059	15-01/O 9/16" MD14x1,5	9/16"-18	14x1,5	19,0	10,0	12	19	630
404.060	15-01/O 11/16" MD12x1,5	11/16"-16	12x1,5	20,0	11,0	12	19	630
404.061	15-01/O 11/16" MD16x1,5	11/16"-16	16x1,5	22,0	11,0	12	22	630
404.062	15-01/O 11/16" MD18x1,5	11/16"-16	18x1,5	20,5	11,0	12	24	630
404.063	15-01/O 13/16" MD14x1,5	13/16"-16	14x1,5	23,0	13,0	12	22	630
404.064	15-01/O 13/16" MD16x1,5	13/16"-16	16x1,5	22,5	13,0	12	22	630
404.065	15-01/O 13/16" MD22x1,5	13/16"-16	22x1,5	24,5	13,0	14	27	630
404.066	15-01/O 1" MD18x1,5	1"-14	18x1,5	26,5	15,5	12	27	420
404.067	15-01/O 1" MD27x2,0	1"-14	27x2,0	28,5	15,5	16	32	420
404.068	15-01/O 1 3/16" MD22x1,5	1 3/16"-12	22x1,5	30,0	17,0	14	32	420
404.069	15-01/O 1 3/16" MD33x2,0	1 3/16"-12	33x2,0	31,5	17,0	18	41	420
404.070	15-01/O 1 7/16" MD27x2,0	1 7/16"-12	27x2,0	32,0	17,5	16	41	420
404.071	15-01/O 1 7/16" MD42x2,0	1 7/16"-12	42x2,0	34,0	17,5	20	50	420
404.072	15-01/O 1 11/16" MD33x2,0	1 11/16"-12	33x2,0	34,0	17,5	18	46	280
404.073	15-01/O 1 11/16" MD48x2,0	1 11/16"-12	48x2,0	35,5	17,5	22	55	280

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-BSP Einschraubstutzen Typ 15-01/O.. GD.. / ORFS BSP stud type 15-01/O.. GD..								
Zölliges Einschraubgewinde, parallel, Form E / BSP thread, parallel, form E								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	L3	S1	Bar
404.010	15-01/O 9/16" GD1/8"	9/16"-18	1/8"	17,5	10,0	8	17	630
404.011	15-01/O 11/16" GD1/4"	11/16"-16	1/4"	20,0	11,0	12	19	630
404.012	15-01/O 13/16" GD3/8"	13/16"-16	3/8"	22,5	13,0	12	22	630
404.013	15-01/O 1" GD1/2"	1"-14	1/2"	27,0	15,5	14	27	420
404.014	15-01/O 1 3/16" GD3/4"	1 3/16"-12	3/4"	30,0	17,0	16	32	420
404.015	15-01/O 1 7/16" GD1"	1 7/16"-12	1"	32,0	17,5	18	41	420
404.016	15-01/O 1 11/16" GD1 1/4"	1 11/16"-12	1 1/4"	34,0	17,5	20	50	280
404.017	15-01/O 2" GD1 1/2"	2"-12	1 1/2"	35,5	17,5	22	55	280
404.018	15-01/O 9/16" GD1/4"	9/16"-18	1/4"	19,0	10,0	12	19	630
404.019	15-01/O 9/16" GD3/8"	9/16"-18	3/8"	19,5	10,0	12	22	630
404.020	15-01/O 9/16" GD1/2"	9/16"-18	1/2"	21,5	10,0	14	27	630
404.021	15-01/O 11/16" GD1/8"	11/16"-16	1/8"	19,5	11,0	8	19	630
404.022	15-01/O 11/16" GD3/8"	11/16"-16	3/8"	20,5	11,0	12	22	630
404.023	15-01/O 11/16" GD1/2"	11/16"-16	1/2"	22,5	11,0	14	27	630
404.024	15-01/O 11/16" GD3/4"	11/16"-16	3/4"	24,0	11,0	16	32	420
404.025	15-01/O 13/16" GD1/4"	13/16"-16	1/4"	23,0	13,0	12	22	630
404.026	15-01/O 13/16" GD1/2"	13/16"-16	1/2"	24,5	13,0	14	27	630
404.027	15-01/O 13/16" GD3/4"	13/16"-16	3/4"	26,0	13,0	16	32	420
404.028	15-01/O 1" GD1/4"	1"-14	1/4"	26,0	15,5	12	27	420
404.029	15-01/O 1" GD3/8"	1"-14	3/8"	26,5	15,5	12	27	420
404.030	15-01/O 1" GD3/4"	1"-14	3/4"	28,5	15,5	16	32	420
404.031	15-01/O 1" GD1"	1"-14	1"	30,0	15,5	18	41	420
404.032	15-01/O 1 3/16" GD1/4"	1 3/16"-12	1/4"	29,0	17,0	12	32	420
404.033	15-01/O 1 3/16" GD1/2"	1 3/16"-12	1/2"	30,0	17,0	14	32	420
404.034	15-01/O 1 3/16" GD1"	1 3/16"-12	1"	31,5	17,0	18	41	420
404.035	15-01/O 1 3/16" GD1 1/4"	1 3/16"-12	1 1/4"	33,5	17,0	20	50	420
404.036	15-01/O 1 7/16" GD1/4"	1 7/16"-12	1/4"	31,0	17,5	12	41	420
404.037	15-01/O 1 7/16" GD3/4"	1 7/16"-12	3/4"	32,0	17,5	16	41	420
404.038	15-01/O 1 7/16" GD1 1/4"	1 7/16"-12	1 1/4"	34,0	17,5	20	50	420
404.039	15-01/O 1 7/16" GD1 1/2"	1 7/16"-12	1 1/2"	35,5	17,5	22	55	420
404.040	15-01/O 1 11/16" GD1"	1 11/16"-12	1"	34,0	17,5	18	46	280
404.041	15-01/O 1 11/16" GD1 1/2"	1 11/16"-12	1 1/2"	35,5	17,5	22	55	280

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-UNF Einschraubverschraubung Typ 15-01/O.. U.. /

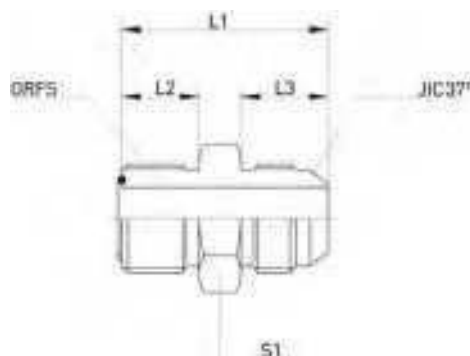
ORFS-UNF straight coupling type 15-01/O.. U..

UNF-Einschraubgewinde mit O-Ring-Dichtung / UNF thread with o-ring and washer

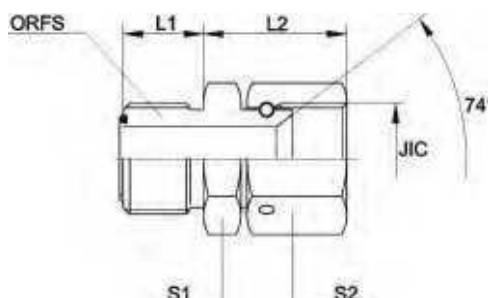
Art. Nr. Art. N°	Bezeichnung Description	ORFS	UNF	L1	L2	L3	S1	Bar
404.080	15-01/O 9/16" U 7/16"	9/16"-18	7/16"-20	18,0	10,0	11,0	17	630
404.081	15-01/O 11/16" U 9/16"	11/16"-16	9/16"-18	20,0	11,0	12,0	19	630
404.082	15-01/O 13/16" U 3/4"	13/16"-16	3/4"-16	22,5	13,0	14,0	22	630
404.083	15-01/O 1" U 7/8"	1"-14	7/8"-14	27,0	15,5	16,0	27	420
404.084	15-01/O 1 3/16" U 1 1/16"	1 3/16"-12	1 1/16"-12	30,0	17,0	18,5	32	420
404.085	15-01/O 1 7/16" U 1 5/16"	1 7/16"-12	1 5/16"-12	32,0	17,5	18,5	41	420
404.086	15-01/O 1 11/16" U 1 5/8"	1 11/16"-12	1 5/8"-12	33,5	17,5	18,5	46	280
404.087	15-01/O 2" U 1 7/8"	2"-12	1 7/8"-12	35,5	17,5	18,5	55	280
404.088	15-01/O 9/16" U 1/2"	9/16"-18	1/2"-20	18,0	10,0	11,0	17	630
404.089	15-01/O 9/16" U 9/16"	9/16"-18	9/16"-18	19,0	10,0	12,0	19	630
404.090	15-01/O 9/16" U 3/4"	9/16"-18	3/4"-16	19,5	10,0	14,0	22	630
404.091	15-01/O 11/16" U 7/16"	11/16"-16	7/16"-20	20,0	11,0	11,0	19	630
404.092	15-01/O 11/16" U 1/2"	11/16"-16	1/2"-20	20,0	11,0	11,0	19	630
404.093	15-01/O 11/16" U 3/4"	11/16"-16	3/4"-16	20,5	11,0	14,0	22	630
404.094	15-01/O 11/16" U 7/8"	11/16"-16	7/8"-14	22,5	11,0	16,0	27	630
404.095	15-01/O 11/16" U 1 1/16"	11/16"-16	1 1/16"-12	24,0	11,0	18,5	32	420
404.096	15-01/O 13/16" U 9/16"	13/16"-16	9/16"-18	22,5	13,0	12,0	22	630
404.097	15-01/O 13/16" U 7/8"	13/16"-16	7/8"-14	24,5	13,0	16,0	27	630
404.098	15-01/O 13/16" U 1 1/16"	13/16"-16	1 1/16"-12	26,0	13,0	18,5	32	420
404.099	15-01/O 13/16" U 1 5/16"	13/16"-16	1 5/16"-12	27,5	13,0	18,5	41	420
404.100	15-01/O 1" U 3/4"	1"-14	3/4"-16	27,0	15,5	14,0	27	420
404.101	15-01/O 1" U 1 1/16"	1"-14	1 1/16"-12	28,5	15,5	18,5	32	420
404.102	15-01/O 1 3/16" U 3/4"	1 3/16"-12	3/4"-16	30,0	17,0	14,0	32	420
404.103	15-01/O 1 3/16" U 7/8"	1 3/16"-12	7/8"-14	30,0	17,0	16,0	32	420
404.104	15-01/O 1 3/16" U 1 5/16"	1 3/16"-12	1 5/16"-12	31,5	17,0	18,5	41	420
404.105	15-01/O 1 7/16" U 1 1/16"	1 7/16"-12	1 1/16"-12	32,0	17,5	18,5	41	420
404.106	15-01/O 1 7/16" U 1 5/8"	1 7/16"-12	1 5/8"-12	33,5	17,5	18,5	46	280
404.107	15-01/O 1 11/16" U 1 5/16"	1 11/16"-12	1 5/16"-12	33,5	17,5	18,5	46	280
404.108	15-01/O 1 11/16" U 1 7/8"	1 11/16"-12	1 7/8"-12	35,5	17,5	18,5	55	280
404.109	15-01/O 2" U 1 5/8"	2"-12	1 5/8"-12	35,5	17,5	18,5	55	280

Technische Änderungen vorbehalten.

Measurements may differ.

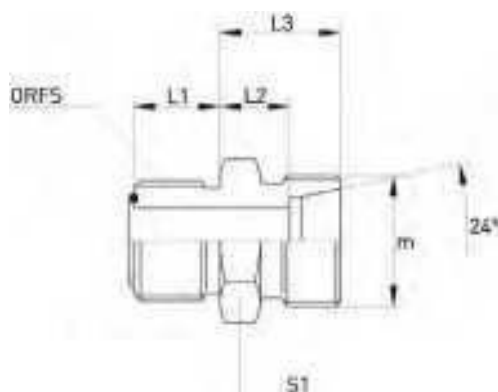


ORFS-JIC Adapter Typ DST/O.. J.. / ORFS-JIC adaptor type DST/O.. J..								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	JIC	L1	L2	L3	S1	Bar
404.535	DST/O 9/16" J 7/16"	9/16"-18	7/16"-20	31,5	10,0	14,0	17	450
404.536	DST/O 11/16" J 9/16"	11/16"-16	9/16"-18	34,0	11,0	14,1	19	350
404.537	DST/O 13/16" J 3/4"	13/16"-16	3/4"-16	39,0	13,0	16,7	22	350
404.538	DST/O 1" J 7/8"	1"-14	7/8"-14	46,5	15,5	19,3	27	350
404.539	DST/O 1 3/16" J 1 1/16"	1 3/16"-12	1 1/16"-12	52,0	17,0	21,9	32	350
404.540	DST/O 1 7/16" J 1 5/16"	1 7/16"-12	1 5/16"-12	55,0	17,5	23,1	41	290
404.541	DST/O 1 11/16" J 1 5/8"	1 11/16"-12	1 5/8"-12	58,5	17,5	24,3	46	240
404.542	DST/O 2" J 1 7/8"	2"-12	1 7/8"-12	63,0	17,5	27,5	55	240
404.543	DST/O 11/16" J 1/2"	11/16"-16	1/2"-20	34,0	11,0	14,0	19	450



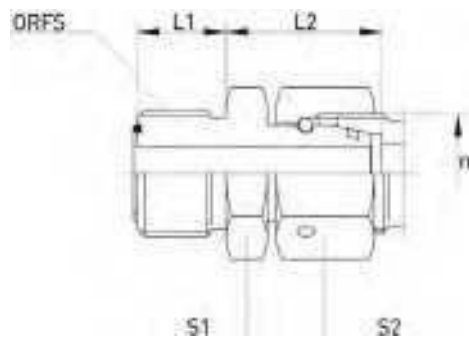
ORFS-JIC Adapter Typ 15-27/J.. O.. / ORFS-JIC adaptor type 15-27/J.. O..								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	JIC	L1	L2	L3	S1	Bar
404.545	15-27/J 7/16" O 9/16"	9/16"-18	7/16"-20	10,0	25,0	17	14	450
404.546	15-27/J 9/16" O 11/16"	11/16"-16	9/16"-18	11,0	29,0	19	19	350
404.547	15-27/J 3/4" O 13/16"	13/16"-16	3/4"-16	13,0	31,5	22	22	350
404.548	15-27/J 7/8" O 1"	1"-14	7/8"-14	15,5	37,5	27	27	350
404.549	15-27/J 1 1/16" O 1 3/16"	1 3/16"-12	1 1/16"-12	17,0	39,0	32	32	350
404.550	15-27/J 1 5/16" O 1 7/16"	1 7/16"-12	1 5/16"-12	17,5	44,5	41	41	290
404.551	15-27/J 1 5/8" O 1 11/16"	1 11/16"-12	1 5/8"-12	17,5	45,5	46	50	240
404.552	15-27/J 1 7/8" O 2"	2"-12	1 7/8"-12	17,5	55,5	55	60	240
404.553	15-27/J 1/2" O 11/16"	11/16"-16	1/2"-20	11,0	28,0	19	17	450

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-CE Adapter Typ DST/O.. CE.. / OFRS-CE adaptor type DST/O.. CE..									
Art. Nr. Art. N°	Bezeichnung Description	ORFS	Rohr Tube	m	L1	L2	L3	S1	Bar
404.485	DST/O 9/16" CEL06	9/16"-18	L06	12x1,5	10,0	10,5	17,5	17	315
404.486	DST/O 9/16" CEL08	9/16"-18	L08	14x1,5	10,0	10,5	17,5	17	315
404.487	DST/O 11/16" CEL10	11/16"-16	L10	16x1,5	11,0	13,0	20,0	19	315
404.488	DST/O 13/16" CEL12	13/16"-16	L12	18x1,5	13,0	13,5	20,5	22	315
404.489	DST/O 1" CEL12	1"-14	L15	22x1,5	15,5	16,5	23,5	27	315
404.490	DST/O 1 3/16" CEL18	1 3/16"-12	L18	26x1,5	17,0	17,5	25,0	32	315
404.491	DST/O 1 7/16" CEL22	1 7/16"-12	L22	30x2,0	17,5	21,0	28,5	41	160
404.492	DST/O 1 11/16" CEL28	1 11/16"-12	L28	36x2,0	17,5	23,0	30,5	46	160
404.493	DST/O 2" CEL35	2"-12	L35	45x2,0	17,5	23,5	34,0	55	160
404.494	DST/O 2" CEL42	2"-12	L42	52x2,0	17,5	23,0	34,0	55	160
404.495	DST/O 9/16" CES06	9/16"-18	S06	14x1,5	10,0	12,5	19,5	17	630
404.496	DST/O 9/16" CES08	9/16"-18	S08	16x1,5	10,0	12,5	19,5	17	630
404.497	DST/O 11/16" CES10	11/16"-16	S10	18x1,5	11,0	13,5	21,0	19	630
404.498	DST/O 13/16" CES12	13/16"-16	S12	20x1,5	13,0	14,0	21,5	22	630
404.499	DST/O 1" CES14	1"-14	S14	22x1,5	15,5	19,5	28,5	27	420
404.500	DST/O 1" CES16	1"-14	S16	24x1,5	15,5	20,0	28,5	27	400
404.501	DST/O 1 3/16" CES20	1 3/16"-12	S20	30x2,0	17,0	18,5	29,0	32	400
404.502	DST/O 1 7/16" CES25	1 7/16"-12	S25	36x2,0	17,5	20,5	31,5	41	400
404.503	DST/O 1 11/16" CES30	1 11/16"-12	S30	42x2,0	17,5	23,0	36,5	46	280
404.504	DST/O 2" CES38	2"-12	S38	52x2,0	17,5	24,0	40,0	55	280

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-DKO Adapter Typ 14-27/DKO.. O.. / ORFS-DKO adaptor type 14-27/DKO.. O..									
Art. Nr. Art. N°	Bezeichnung Description	DKO	ORFS	Gewinde m Thread m	L1	L2	S1	S2	Bar
404.510	14-27/L06 O 9/16"	L06	9/16"-18	12x1,5	10,0	24,5	17	14	315
404.511	14-27/L08 O 9/16"	L08	9/16"-18	14x1,5	10,0	24,5	17	17	315
404.512	14-27/L10 O 11/16"	L10	11/16"-16	16x1,5	11,0	26,5	19	19	315
404.513	14-27/L12 O 13/16"	L12	13/16"-16	18x1,5	13,0	27,0	22	22	315
404.514	14-27/L12 O 1"	L15	1"-14	22x1,5	15,5	31,0	27	27	315
404.515	14-27/L18 O 1 3/16"	L18	1 3/16"-12	26x1,5	17,0	33,5	32	32	315
404.516	14-27/L22 O 1 7/16"	L22	1 7/16"-12	30x2,0	17,5	36,0	41	36	160
404.517	14-27/L28 O 1 11/16"	L28	1 11/16"-12	36x2,0	17,5	39,0	46	41	160
404.518	14-27/L35 O 2"	L35	2"-12	45x2,0	17,5	45,0	55	50	160
404.519	14-27/L42 O 2"	L42	2"-12	52x2,0	17,5	45,0	55	60	160
404.520	14-27/S06 O 9/16"	S06	9/16"-18	14x1,5	10,0	24,5	17	17	630
404.521	14-27/S08 O 9/16"	S08	9/16"-18	16x1,5	10,0	25,0	17	19	630
404.522	14-27/S10 O 11/16"	S10	11/16"-16	18x1,5	11,0	27,0	19	22	630
404.523	14-27/S12 O 13/16"	S12	13/16"-16	20x1,5	13,0	27,5	22	14	630
404.524	14-27/S14 O 1"	S14	1"-14	22x1,5	15,5	32,5	27	27	420
404.525	14-27/S16 O 1"	S16	1"-14	24x1,5	15,5	35,0	27	30	400
404.526	14-27/S20 O 1 3/16"	S20	1 3/16"-12	30x2,0	17,0	39,0	32	36	400
404.527	14-27/S25 O 1 7/16"	S25	1 7/16"-12	36x2,0	17,5	43,0	41	46	400
404.528	14-27/S30 O 1 11/16"	S30	1 11/16"-12	42x2,0	17,5	47,5	46	50	280
404.529	14-27/S38 O 2"	S38	2"-12	52x2,0	17,5	51,0	55	60	280

Technische Änderungen vorbehalten.
Measurements may differ.



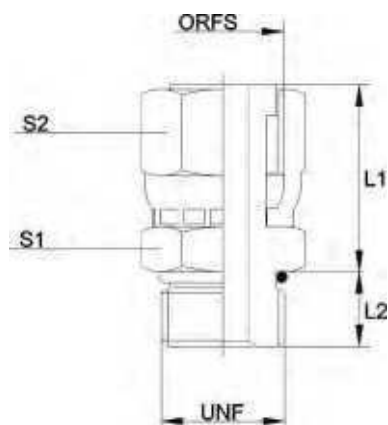
ORFS-M Einschraubstutzen Typ 15-28/O.. MD.. / ORFS-M straight stud type 15-28/O.. MD.. Metrisches Einschraubgewinde, parallel, Form E. ORFS Überwurfmutter. / metric thread, parallel, form E, ORFS screw cap								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	M	L1	L2	S1	S2	Bar
404.630	15-28/O 9/16" MD12x1,5	9/16"-18	12x1,5	26,5	12	17	17	630
404.631	15-28/O 11/16" MD14x1,5	11/16"-16	14x1,5	28,5	12	19	22	630
404.632	15-28/O 13/16" MD18x1,5	13/16"-16	18x1,5	35,5	12	24	24	630
404.633	15-28/O 1" MD22x1,5	1"-14	22x1,5	38,0	14	27	30	420
404.634	15-28/O 1 3/16" MD27x2,0	1 3/16"-12	27x2,0	41,5	16	32	36	420
404.635	15-28/O 1 7/16" MD33x2,0	1 7/16"-12	33x2,0	49,0	18	41	41	420
404.636	15-28/O 1 11/16" MD42x2,0	1 11/16"-12	42x2,0	49,0	20	50	50	280
404.637	15-28/O 2" MD48x2,0	2"-12	48x2,0	49,0	22	55	60	280
404.638	15-28/O 9/16" MD10x1,0	9/16"-18	10x1,0	26,5	8	17	17	350
404.639	15-28/O 11/16" MD16x1,5	11/16"-16	16x1,5	28,5	12	22	22	630
404.640	15-28/O 13/16" MD16x1,5	13/16"-16	16x1,5	31,5	12	22	24	630
404.641	15-28/O 1" MD18x1,5	1"-14	18x1,5	38,0	12	27	30	420
404.642	15-28/O 1 3/16" MD22x1,5	1 3/16"-12	22x1,5	41,5	14	32	36	420
404.643	15-28/O 1 3/16" MD27x2,0	1 3/16"-12	27x2,0	49,0	16	41	41	420

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-BSP Einschraubstutzen Typ 15-28/O.. GD.. / ORFS-BSP stud type 15-28/O.. GD.. Zölliges Einschraubgewinde, parallel, Form E. ORFS Überwurfmutter / BSP thread, parallel, form E, ORFS screw cap								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	S1	S2	Bar
404.615	15-28/O 9/16" GD1/8"	9/16"-18	1/8"	26,5	8	17	17	630
404.616	15-28/O 11/16" GD1/4"	11/16"-16	1/4"	28,5	12	19	22	630
404.617	15-28/O 13/16" GD3/8"	13/16"-16	3/8"	35,5	12	22	24	630
404.618	15-28/O 1" GD1/2"	1"-14	1/2"	38,0	14	27	30	420
404.619	15-28/O 1 3/16" GD3/4"	1 3/16"-12	3/4"	41,5	16	32	36	420
404.620	15-28/O 1 7/16" GD1"	1 7/16"-12	1"	49,0	18	41	41	420
404.621	15-28/O 1 11/16" GD1 1/4"	1 11/16"-12	1 1/4"	49,0	20	50	50	280
404.622	15-28/O 2" GD1 1/2"	2"-12	1 1/2"	49,0	22	55	60	280
404.623	15-28/O 9/16" GD1/4"	9/16"-18	1/4"	26,5	12	19	17	630
404.624	15-28/O 11/16" GD3/8"	11/16"-16	3/8"	32,5	12	22	22	630
404.625	15-28/O 13/16" GD1/2"	13/16"-16	1/2"	34,0	14	27	24	630
404.626	15-28/O 1 3/16" GD1 1/4"	1 3/16"-12	1 1/4"	48,0	20	50	36	420

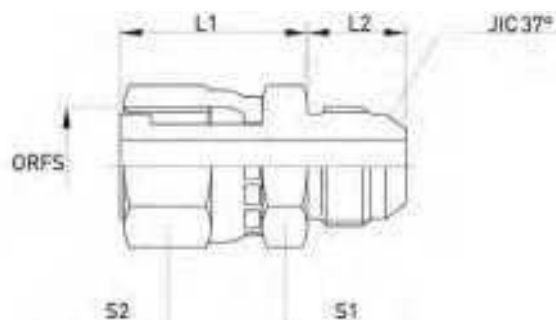
Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-UNF Einschraubstutzen Typ 15-28/O.. U.. / ORFS-UNF stud type 15-28/O.. U..
 ORFS Überwurfmutter, UNF-Einschraubgewinde mit O-Ring-Dichtung /
 ORFS screw cap, UNF thread with o-ring and washer

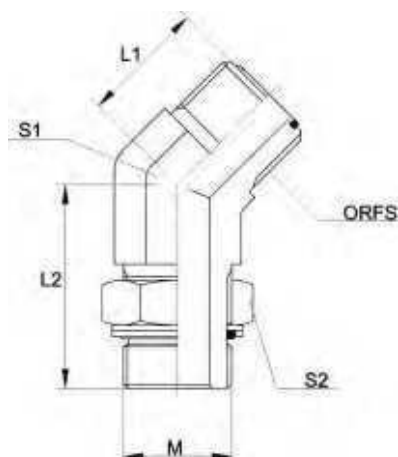
Art. Nr. Art. N°	Bezeichnung Description	ORFS	UNF	L1	L2	S1	S2	Bar
404.645	15-28/O 9/16" U 7/16"	9/16"-18	7/16"-20	26,5	11,0	17	17	630
404.646	15-28/O 11/16" U 9/16"	11/16"-16	9/16"-18	28,5	12,0	19	22	630
404.647	15-28/O 13/16" U 3/4"	13/16"-16	3/4"-16	35,5	14,0	22	24	630
404.648	15-28/O 1" U 7/8"	1"-14	7/8"-14	38,0	16,0	27	30	420
404.649	15-28/O 1 3/16" U 1 1/16"	1 3/16"-12	1 1/16"-12	41,5	18,5	32	36	420
404.650	15-28/O 1 7/16" U 1 5/16"	1 7/16"-12	1 5/16"-12	49,0	18,5	41	41	420
404.651	15-28/O 1 11/16" U 1 5/8"	1 11/16"-12	1 5/8"-12	49,0	18,5	46	50	280
404.652	15-28/O 2" U 1 7/8"	2"-12	1 7/8"-12	49,0	18,5	55	60	280
404.653	15-28/O 11/16" U 7/16"	11/16"-16	7/16"-20	28,5	11,0	19	22	630
404.654	15-28/O 11/16" U 3/4"	11/16"-16	3/4"-16	32,5	11,0	22	22	630
404.655	15-28/O 13/16" U 7/8"	13/16"-16	7/8"-14	34,0	16,0	27	24	630
404.656	15-28/O 1" U 3/4"	1"-14	3/4"-16	38,0	14,0	27	30	420
404.657	15-28/O 1" U 1 1/16"	1"-14	1 1/16"-12	39,0	18,5	32	30	420
404.658	15-28/O 1 3/16" U 7/8"	1 3/16"-12	7/8"-14	41,5	16,0	32	36	420
404.659	15-28/O 1 3/16" U 1 5/16"	1 3/16"-12	1 5/16"-12	48,0	18,5	41	36	420

Technische Änderungen vorbehalten.
 Measurements may differ.



ORFS-JIC Adapter Typ 15-27/O.. J.. / ORFS-JIC adaptor type 15-27/O.. J.. ORFS Überwurfmutter, JIC Aussengewinde / ORFS screw cap, JIC male thread								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	JIC 37°	L1	L2	L3	S1	Bar
404.555	15-27/O 9/16" J 7/16"	9/16"-18	7/16"-20	23,5	14,0	17	17	450
404.556	15-27/O 11/16" J 9/16"	11/16"-16	9/16"-18	26,9	14,1	22	22	350
404.557	15-27/O 13/16" J 3/4"	13/16"-16	3/4"-16	30,3	16,7	24	24	350
404.558	15-27/O 1" J 7/8"	1"-14	7/8"-14	36,7	19,3	30	30	350
404.559	15-27/O 1 3/16" J 1 1/16"	1 3/16"-12	1 1/16"-12	40,6	21,9	36	36	350
404.560	15-27/O 1 7/16" J 1 5/16"	1 7/16"-12	1 5/16"-12	42,9	23,1	41	41	290
404.561	15-27/O 1 11/16" J 1 5/8"	1 11/16"-12	1 5/8"-12	44,7	24,3	50	50	240
404.562	15-27/O 2" J 1 7/8"	2"-12	1 7/8"-12	46,5	27,5	60	60	240
404.563	15-27/O 11/16" J 1/2"	11/16"-16	1/2"-20	27,0	14,0	22	22	450

Technische Änderungen vorbehalten.
Measurements may differ.



45° ORFS-M Einstellbarer Winkelstutzen Typ 15/1-02/O.. M.. 45° /

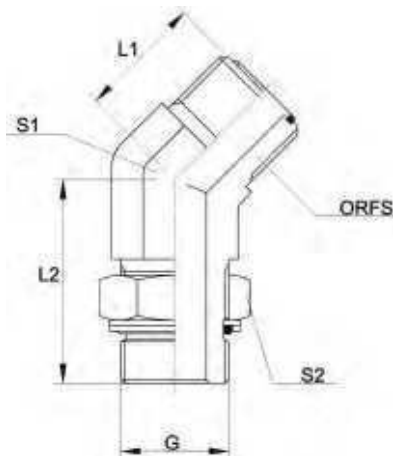
45 ° ORFS-M adjustable elbow stud type 15/1-02/O.. M.. 45°

Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / metric thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	M	L1	L2	S1	S2	Bar
405.000	15/1-02/O 9/16" M12x1,5 45°	9/16"-18	12x1,5	16,0	30,0	14	17	315
405.001	15/1-02/O 11/16" M14x1,5 45°	11/16"-16	14x1,5	19,0	31,0	19	19	315
405.002	15/1-02/O 13/16" M18x1,5 45°	13/16"-16	18x1,5	20,5	36,5	19	24	315
405.003	15/1-02/O 1" M22x1,5 45°	1"-14	22x1,5	23,5	44,0	27	27	250
405.004	15/1-02/O 1 3/16" M27x2,0 45°	1 3/16"-12	27x2,0	26,0	50,0	30	32	250
405.005	15/1-02/O 1 7/16" M33x2,0 45°	1 7/16"-12	33x2,0	30,0	52,5	36	41	160
405.006	15/1-02/O 1 11/16" M42x2,0 45°	1 11/16"-12	42x2,0	32,0	54	41	50	160
405.007	15/1-02/O 2" M48x2,0 45°	2"-12	48x2,0	37,0	56,5	48	55	160
405.008	15/1-02/O 9/16" M10x1,0 45°	9/16"-18	10x1,0	16,0	27,0	14	14	315
405.009	15/1-02/O 11/16" M16x1,5 45°	11/16"-16	16x1,5	19,0	33,0	19	22	315
405.010	15/1-02/O 13/16" M16x1,5 45°	13/16"-16	16x1,5	20,5	33,0	19	22	315
405.011	15/1-02/O 13/16" M22x1,5 45°	13/16"-16	22x1,5	21,5	44,0	27	27	250
405.012	15/1-02/O 1" M18x1,5 45°	1"-14	18x1,5	23,5	42,5	27	24	315
405.013	15/1-02/O 1" M27x2,0 45°	1"-14	27x2,0	23,5	50,0	27	32	250
405.014	15/1-02/O 1 3/16" M22x1,5 45°	1 3/16"-12	22x1,5	26,0	44,0	30	27	250
405.015	15/1-02/O 1 3/16" M33x2,0 45°	1 3/16"-12	33x2,0	29,5	52,5	33	41	160
405.016	15/1-02/O 1 7/16" M27x2,0 45°	1 7/16"-12	27x2,0	30,0	52,5	36	32	250
405.017	15/1-02/O 1 7/16" M42x2,0 45°	1 7/16"-12	42x2,0	32,0	54,0	41	50	160
405.018	15/1-02/O 1 11/16" M48x2,0 45°	1 11/16"-12	48x2,0	35,5	56,5	48	55	160

Technische Änderungen vorbehalten.

Measurements may differ.



45° ORFS-BSP Einstellbarer Winkelstutzen Typ 15/1-02/O.. G.. 45° /

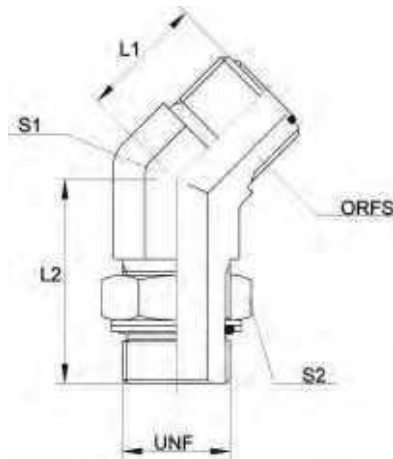
45° ORFS-BSP adjustable elbow stud type 15/1-02/O.. G.. 45°

Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe / BSP thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	S1	S2	Bar
404.965	15/1-02/O 9/16" G 1/8" 45°	9/16"-18	1/8"	16,0	27,5	14	14	350
404.966	15/1-02/O 11/16" G 1/4" 45°	11/16"-16	1/4"	19,0	32,5	19	19	315
404.967	15/1-02/O 13/16" G 3/8" 45°	13/16"-16	3/8"	20,5	33,5	19	22	250
404.968	15/1-02/O 1" G 1/2" 45°	1"-14	1/2"	23,5	43,0	27	27	250
404.969	15/1-02/O 1 3/16" G 3/4" 45°	1 3/16"-12	3/4"	26,0	46,5	30	36	250
404.970	15/1-02/O 1 7/16" G 1" 45°	1 7/16"-12	1"	30,0	51,0	36	41	200
404.971	15/1-02/O 1 11/16" G 1 1/4" 45°	1 11/16"-12	1 1/4"	32,0	52,5	41	50	200
404.972	15/1-02/O 2" G 1 1/2" 45°	2"-12	1 1/2"	37,0	52,5	48	55	160
404.973	15/1-02/O 9/16" G 1/4" 45°	9/16"-18	1/4"	16,0	31,5	14	19	315
404.974	15/1-02/O 9/16" G 3/8" 45°	9/16"-18	3/8"	17,5	33,5	19	22	250
404.975	15/1-02/O 11/16" G 3/8" 45°	11/16"-16	3/8"	19,0	33,5	19	22	250
404.976	15/1-02/O 11/16" G 1/2" 45°	11/16"-16	1/2"	20,0	43,0	22	27	250
404.977	15/1-02/O 13/16" G 1/4" 45°	13/16"-16	1/4"	20,5	32,5	19	19	315
404.978	15/1-02/O 13/16" G 1/2" 45°	13/16"-16	1/2"	21,0	43,0	22	27	250
404.979	15/1-02/O 13/16" G 3/4" 45°	13/16"-16	3/4"	21,5	46,5	27	36	250
404.980	15/1-02/O 1" G 1/4" 45°	1"-14	1/4"	23,5	36,0	27	19	315
404.981	15/1-02/O 1" G 3/8" 45°	1"-14	3/8"	23,5	37,0	27	22	250
404.982	15/1-02/O 1" G 3/4" 45°	1"-14	3/4"	23,5	46,5	27	36	250
404.983	15/1-02/O 1" G 1" 45°	1"-14	1"	28,5	51,0	33	41	200
404.984	15/1-02/O 1 3/16" G 1/4" 45°	1 3/16"-12	1/4"	26,0	40,5	30	19	315
404.985	15/1-02/O 1 3/16" G 1/2" 45°	1 3/16"-12	1/2"	26,0	44,5	30	27	250
404.986	15/1-02/O 1 3/16" G 1" 45°	1 3/16"-12	1"	29,5	51,0	33	41	200
404.987	15/1-02/O 1 7/16" G 1/4" 45°	1 7/16"-12	1/4"	30,0	41,0	36	19	315
404.988	15/1-02/O 1 7/16" G 3/4" 45°	1 7/16"-12	3/4"	30,0	47,0	36	36	250
404.989	15/1-02/O 1 7/16" G 1 1/4" 45°	1 7/16"-12	1 1/4"	32,0	52,5	41	50	200
404.990	15/1-02/O 1 11/16" G 1" 45°	1 11/16"-12	1"	32,0	52,5	41	41	200
404.991	15/1-02/O 1 11/16" G 1 1/2" 45°	1 11/16"-12	1 1/2"	35,5	52,5	48	55	160

Technische Änderungen vorbehalten.

Measurements may differ.



45° ORFS-UNF Einstellbarer Winkelstutzen Typ 15/1-02/O.. U.. 45° /

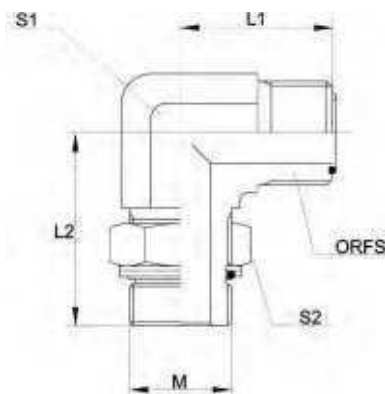
45° ORFS-UNF adjustable elbow stud type 15/1-02/O.. U.. 45°

UNF Einschraubgewinde mit O-Ring und Unterlegscheibe / UNF thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	UNF	L1	L2	S1	S2	Bar
405.020	15/1-02/O 9/16" U 7/16" 45°	9/16"-18	7/16"-20	16,0	30,0	14	14	420
405.021	15/1-02/O 11/16" U 9/16" 45°	11/16"-16	9/16"-18	19,0	33,0	19	17	420
405.022	15/1-02/O 13/16" U 3/4" 45°	13/16"-16	3/4"-16	20,5	36,5	19	22	420
405.023	15/1-02/O 1" U 7/8" 45°	1"-14	7/8"-14	23,5	45,0	27	27	420
405.024	15/1-02/O 1 3/16" U 1 1/16" 45°	1 3/16"-12	1 1/16"-12	26,0	50,0	30	32	420
405.025	15/1-02/O 1 7/16" U 1 5/16" 45°	1 7/16"-12	1 5/16"-12	30,0	52,5	36	41	380
405.026	15/1-02/O 1 11/16" U 1 5/8" 45°	1 11/16"-12	1 5/8"-12	32,0	53,5	41	50	280
405.027	15/1-02/O 2" U 1 7/8" 45°	2"-12	1 7/8"-12	37,0	53,5	48	55	280
405.028	15/1-02/O 9/16" U 9/16" 45°	9/16"-18	9/16"-18	16,0	33,0	14	17	420
405.029	15/1-02/O 9/16" U 3/4" 45°	9/16"-18	3/4"-16	17,5	36,5	19	22	420
405.030	15/1-02/O 11/16" U 7/16" 45°	11/16"-16	7/16"-20	19,0	31,0	19	14	420
405.031	15/1-02/O 11/16" U 3/4" 45°	11/16"-16	3/4"-16	19,0	36,5	19	22	420
405.032	15/1-02/O 11/16" U 7/8" 45°	11/16"-16	7/8"-14	20,0	45,0	22	27	420
405.033	15/1-02/O 11/16" U 1 1/16" 45°	11/16"-16	1 1/16"-12	19,5	50,0	27	32	420
405.034	15/1-02/O 13/16" U 9/16" 45°	13/16"-16	9/16"-18	20,5	32,5	19	17	420
405.035	15/1-02/O 13/16" U 7/8" 45°	13/16"-16	7/8"-14	21,0	45,0	22	27	420
405.036	15/1-02/O 13/16" U 1 1/16" 45°	13/16"-16	1 1/16"-12	21,5	50,0	27	32	420
405.037	15/1-02/O 1" U 3/4" 45°	1"-14	3/4"-16	23,5	40,5	27	22	420
405.038	15/1-02/O 1" U 1 1/16" 45°	1"-14	1 1/16"-12	23,5	50,0	27	32	420
405.039	15/1-02/O 1 3/16" U 3/4" 45°	1 3/16"-12	3/4"-16	26,0	40,5	30	22	420
405.040	15/1-02/O 1 3/16" U 7/8" 45°	1 3/16"-12	7/8"-14	26,0	46,0	30	27	420
405.041	15/1-02/O 1 3/16" U 1 5/16" 45°	1 3/16"-12	1 5/16"-12	29,5	52,5	33	41	380
405.042	15/1-02/O 1 7/16" U 1 1/16" 45°	1 7/16"-12	1 1/16"-12	30,0	51,5	36	32	420
405.043	15/1-02/O 1 7/16" U 1 5/8" 45°	1 7/16"-12	1 5/8"-12	32,0	53,5	41	50	280
405.044	15/1-02/O 1 11/16" U 1 5/16" 45°	1 11/16"-12	1 5/16"-12	32,0	53,5	41	41	280
405.045	15/1-02/O 1 11/16" U 1 7/8" 45°	1 11/16"-12	1 7/8"-12	35,5	53,5	48	55	280
405.046	15/1-02/O 2" U 1 5/8" 45°	2"-12	1 5/8"-12	37,0	53,5	48	50	280

Technische Änderungen vorbehalten.

Measurements may differ.



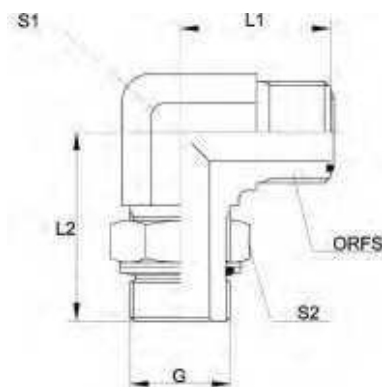
90° ORFS-M Einstellbarer Winkelstutzen Typ 15/1-02/O.. M.. 90° /

90° ORFS-M adjustable elbow stud type 15/1-02/O.. M.. 90°

Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / metric thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	M	L1	L2	S1	S2	Bar
404.915	15/1-02/O 9/16" M12x1,5 90°	9/16"-18	12x1,5	21,5	33,0	14	17	315
404.916	15/1-02/O 11/16" M14x1,5 90°	11/16"-16	14x1,5	25,0	35,5	19	19	315
404.917	15/1-02/O 13/16" M18x1,5 90°	13/16"-16	18x1,5	28,0	41,0	19	24	315
404.918	15/1-02/O 1" M22x1,5 90°	1"-14	22x1,5	33,5	49,0	27	27	250
404.919	15/1-02/O 1 3/16" M27x2,0 90°	1 3/16"-12	27x2,0	37,5	55,5	30	32	250
404.920	15/1-02/O 1 7/16" M33x2,0 90°	1 7/16"-12	33x2,0	41,5	59,5	36	41	160
404.921	15/1-02/O 1 11/16" M42x2,0 90°	1 11/16"-12	42x2,0	44,5	63,0	41	50	160
404.922	15/1-02/O 2" M48x2,0 90°	2"-12	48x2,0	49,0	68,5	48	55	160
404.923	15/1-02/O 9/16" M10x1,0 90°	9/16"-18	10x1,0	21,5	30,0	14	14	315
404.924	15/1-02/O 11/16" M16x1,5 90°	11/16"-16	16x1,5	25,0	37,5	19	22	315
404.925	15/1-02/O 13/16" M16x1,5 90°	13/16"-16	16x1,5	28,0	37,5	19	22	315
404.926	15/1-02/O 13/16" M22x1,5 90°	13/16"-16	22x1,5	31,5	49,0	27	27	250
404.927	15/1-02/O 1" M18x1,5 90°	1"-14	18x1,5	33,5	47,5	27	24	315
404.928	15/1-02/O 1" M27x2,0 90°	1"-14	27x2,0	33,5	55,5	27	32	250
404.929	15/1-02/O 1 3/16" M22x1,5 90°	1 3/16"-12	22x1,5	37,5	49,5	30	27	250
404.930	15/1-02/O 1 3/16" M33x2,0 90°	1 3/16"-12	33x2,0	38,0	59,5	33	41	160
404.931	15/1-02/O 1 7/16" M27x2,0 90°	1 7/16"-12	27x2,0	41,5	59,5	36	32	250
404.932	15/1-02/O 1 7/16" M42x2,0 90°	1 7/16"-12	42x2,0	44,5	63,0	41	50	160
404.933	15/1-02/O 1 11/16" M48x2,0 90°	1 11/16"-12	48x2,0	48,5	68,5	48	55	160

Technische Änderungen vorbehalten.
Measurements may differ.



90° ORFS-BSP Einstellbarer Winkelstutzen Typ 15/1-02/O.. G.. 90° /

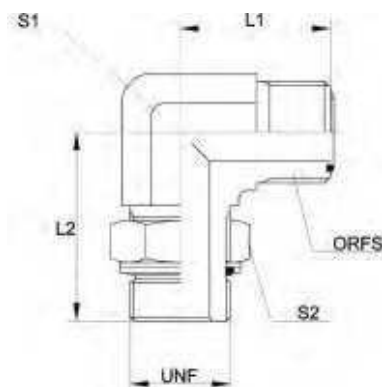
90° ORFS-BSP adjustable elbow stud type 15/1-02/O.. G.. 90°

Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe / BSP thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	S1	S2	Bar
404.885	15/1-02/O 9/16" G 1/8" 90°	9/16"-18	1/8"	21,5	30,0	14	14	350
404.886	15/1-02/O 11/16" G 1/4" 90°	11/16"-16	1/4"	25,0	37,0	19	19	315
404.887	15/1-02/O 13/16" G 3/8" 90°	13/16"-16	3/8"	28,0	38,0	19	22	250
404.888	15/1-02/O 1" G 1/2" 90°	1"-14	1/2"	33,5	48,0	27	27	250
404.889	15/1-02/O 1 3/16" G 3/4" 90°	1 3/16"-12	3/4"	37,5	51,5	30	36	250
404.890	15/1-02/O 1 7/16" G 1" 90°	1 7/16"-12	1"	41,5	58,5	36	41	200
404.891	15/1-02/O 1 11/16" G 1 1/4" 90°	1 11/16"-12	1 1/4"	44,5	60,5	41	50	200
404.892	15/1-02/O 2" G 1 1/2" 90°	2"-12	1 1/2"	49,0	64,0	48	55	160
404.893	15/1-02/O 9/16" G 1/4" 90°	9/16"-18	1/4"	21,5	35,0	14	19	315
404.894	15/1-02/O 9/16" G 3/8" 90°	9/16"-18	3/8"	23,5	38,0	19	22	250
404.895	15/1-02/O 11/16" G 3/8" 90°	11/16"-16	3/8"	25,0	38,0	19	22	250
404.896	15/1-02/O 11/16" G 1/2" 90°	11/16"-16	1/2"	28,0	48,0	22	27	250
404.897	15/1-02/O 13/16" G 1/4" 90°	13/16"-16	1/4"	28,0	37,0	19	19	315
404.898	15/1-02/O 13/16" G 1/2" 90°	13/16"-16	1/2"	30,0	48,0	22	27	250
404.899	15/1-02/O 13/16" G 3/4" 90°	13/16"-16	3/4"	31,5	51,5	27	36	250
404.900	15/1-02/O 1" G 1/4" 90°	1"-14	1/4"	33,5	42,5	27	19	315
404.901	15/1-02/O 1" G 3/8" 90°	1"-14	3/8"	33,5	42,5	27	22	250
404.902	15/1-02/O 1" G 3/4" 90°	1"-14	3/4"	33,5	51,5	27	36	250
404.903	15/1-02/O 1" G 1" 90°	1"-14	1"	37,0	58,5	33	41	200
404.904	15/1-02/O 1 3/16" G 1/4" 90°	1 3/16"-12	1/4"	37,5	43,5	30	19	315
404.905	15/1-02/O 1 3/16" G 1/2" 90°	1 3/16"-12	1/2"	37,5	49,0	30	27	250
404.906	15/1-02/O 1 3/16" G 1" 90°	1 3/16"-12	1"	38,0	58,5	33	41	200
404.907	15/1-02/O 1 7/16" G 1/4" 90°	1 7/16"-12	1/4"	41,5	52,0	36	19	315
404.908	15/1-02/O 1 7/16" G 3/4" 90°	1 7/16"-12	3/4"	41,5	57,5	36	36	250
404.909	15/1-02/O 1 7/16" G 1 1/4" 90°	1 7/16"-12	1 1/4"	44,5	60,5	41	50	200
404.910	15/1-02/O 1 11/16" G 1" 90°	1 11/16"-12	1"	44,5	60,5	41	41	200
404.911	15/1-02/O 1 11/16" G 1 1/2" 90°	1 11/16"-12	1 1/2"	48,5	64,0	48	55	160

Technische Änderungen vorbehalten.

Measurements may differ.



90° ORFS-UNF Einstellbarer Winkelstutzen Typ 15/1-02/O.. U.. 90° /

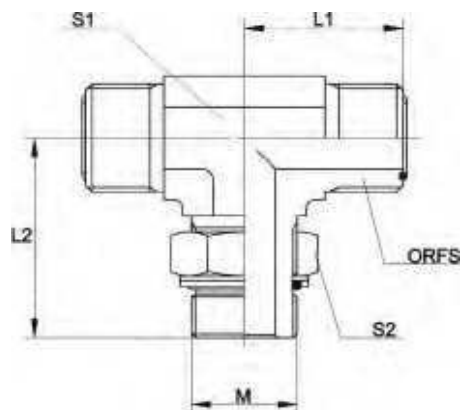
90° ORFS-UNF adjustable elbow stud type 15/1-02/O.. U.. 90°

UNF Einschraubgewinde mit O-Ring und Unterlegscheibe / UNF thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	UNF	L1	L2	S1	S2	Bar
404.935	15/1-02/O 9/16" U 7/16" 90°	9/16"-18	7/16"-20	21,5	32,5	14	14	420
404.936	15/1-02/O 11/16" U 9/16" 90°	11/16"-16	9/16"-18	25,0	37,0	19	17	420
404.937	15/1-02/O 13/16" U 3/4" 90°	13/16"-16	3/4"-16	28,0	40,5	19	22	420
404.938	15/1-02/O 1" U 7/8" 90°	1"-14	7/8"-14	33,5	50,0	27	27	420
404.939	15/1-02/O 1 3/16" U 1 1/16" 90°	1 3/16"-12	1 1/16"-12	37,5	55,0	30	32	420
404.940	15/1-02/O 1 7/16" U 1 5/16" 90°	1 7/16"-12	1 5/16"-12	41,5	59,5	36	41	380
404.941	15/1-02/O 1 11/16" U 1 5/8" 90°	1 11/16"-12	1 5/8"-12	44,5	62,0	41	50	280
404.942	15/1-02/O 2" U 1 7/8" 90°	2"-12	1 7/8"-12	49,0	66,0	48	55	280
404.943	15/1-02/O 9/16" U 9/16" 90°	9/16"-18	9/16"-18	21,5	34,5	14	17	420
404.944	15/1-02/O 9/16" U 3/4" 90°	9/16"-18	3/4"-16	23,5	40,5	19	22	420
404.945	15/1-02/O 11/16" U 7/16" 90°	11/16"-16	7/16"-20	25,0	35,0	19	14	420
404.946	15/1-02/O 11/16" U 3/4" 90°	11/16"-16	3/4"-16	25,0	40,5	19	22	420
404.947	15/1-02/O 11/16" U 7/8" 90°	11/16"-16	7/8"-14	28,0	50,0	22	27	420
404.948	15/1-02/O 11/16" U 1 1/16" 90°	11/16"-16	1 1/16"-12	29,5	55,0	27	32	420
404.949	15/1-02/O 13/16" U 9/16" 90°	13/16"-16	9/16"-18	28,0	37,0	19	17	420
404.950	15/1-02/O 13/16" U 7/8" 90°	13/16"-16	7/8"-14	30,0	50,0	22	27	420
404.951	15/1-02/O 13/16" U 1 1/16" 90°	13/16"-16	1 1/16"-12	31,5	55,0	27	32	420
404.952	15/1-02/O 1" U 3/4" 90°	1"-14	3/4"-16	33,5	46,0	27	22	420
404.953	15/1-02/O 1" U 1 1/16" 90°	1"-14	1 1/16"-12	33,5	55,0	27	32	420
404.954	15/1-02/O 1 3/16" U 3/4" 90°	1 3/16"-12	3/4"-16	37,5	47,0	30	22	420
404.955	15/1-02/O 1 3/16" U 7/8" 90°	1 3/16"-12	7/8"-14	37,5	51,0	30	27	420
404.956	15/1-02/O 1 3/16" U 1 5/16" 90°	1 3/16"-12	1 5/16"-12	38,0	59,5	33	41	380
404.957	15/1-02/O 1 7/16" U 1 1/16" 90°	1 7/16"-12	1 1/16"-12	41,5	59,0	36	32	420
404.958	15/1-02/O 1 7/16" U 1 5/8" 90°	1 7/16"-12	1 5/8"-12	44,5	62,0	41	50	280
404.959	15/1-02/O 1 11/16" U 1 5/16" 90°	1 11/16"-12	1 5/16"-12	44,5	62,0	41	41	280
404.960	15/1-02/O 1 11/16" U 1 7/8" 90°	1 11/16"-12	1 7/8"-12	48,5	66,0	48	55	280
404.961	15/1-02/O 2" U 1 5/8" 90°	2"-12	1 5/8"-12	49,0	66,0	48	50	280

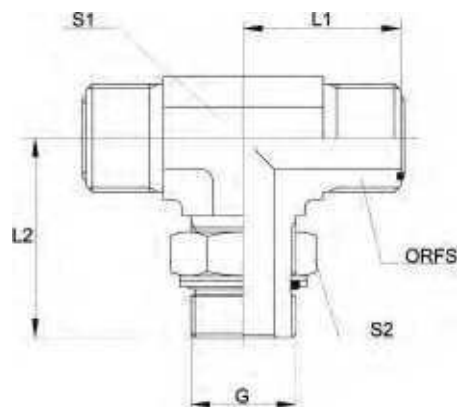
Technische Änderungen vorbehalten.

Measurements may differ.



ORFS-M Einstellbarer T-Stutzen Typ 15/1-03/O.. M.. / ORFS-M adjustable tee stud type 15/1-03/O.. M. Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe / metric thread with o-ring and washer								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	M	L1	L2	S1	S2	Bar
405.160	15/1-03/O 9/16" M12x1,5	9/16"-18	12x1,5	21,5	33,0	14	17	315
405.161	15/1-03/O 11/16" M14x1,5	11/16"-16	14x1,5	25,0	35,5	19	19	315
405.162	15/1-03/O 13/16" M18x1,5	13/16"-16	18x1,5	28,0	41,0	19	24	315
405.163	15/1-03/O 1" M22x1,5	1"-14	22x1,5	33,5	49,0	27	27	250
405.164	15/1-03/O 1 3/16" M27x2,0	1 3/16"-12	27x2,0	37,5	55,5	30	32	250
405.165	15/1-03/O 1 7/16" M33x2,0	1 7/16"-12	33x2,0	41,5	59,5	36	41	160
405.166	15/1-03/O 1 11/16" M42x2,0	1 11/16"-12	42x2,0	44,5	63,0	41	50	160
405.167	15/1-03/O 2" R M48x2,0	2"-12	48x2,0	49,0	68,5	48	55	160
405.168	15/1-03/O 9/16" M10x1,0	9/16"-18	10x1,0	21,5	30,0	14	14	315
405.169	15/1-03/O 11/16" M16x1,5	11/16"-16	16x1,5	25,0	37,5	19	22	315
405.170	15/1-03/O 13/16" M16x1,5	13/16"-16	16x1,5	28,0	37,5	19	22	315
405.171	15/1-03/O 13/16" M22x1,5	13/16"-16	22x1,5	31,5	49,0	27	27	250
405.172	15/1-03/O 1" M18x1,5	1"-14	18x1,5	33,5	47,5	27	24	315
405.173	15/1-03/O 1" M27x2,0	1"-14	27x2,0	33,5	55,5	27	32	250
405.174	15/1-03/O 1 3/16" M22x1,5	1 3/16"-12	22x1,5	37,5	49,5	30	27	250
405.175	15/1-03/O 1 3/16" M33x2,0	1 3/16"-12	33x2,0	38,0	59,5	33	41	160
405.176	15/1-03/O 1 7/16" M27x2,0	1 7/16"-12	27x2,0	41,5	59,5	36	32	250
405.177	15/1-03/O 1 7/16" M42x2,0	1 7/16"-12	42x2,0	44,5	63,0	41	50	160
405.178	15/1-03/O 1 11/16" M48x2,0	1 11/16"-12	48x2,0	48,5	68,5	48	55	160

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-BSP Einstellbarer T-Stutzen Typ 15/1-03/O.. G.. /

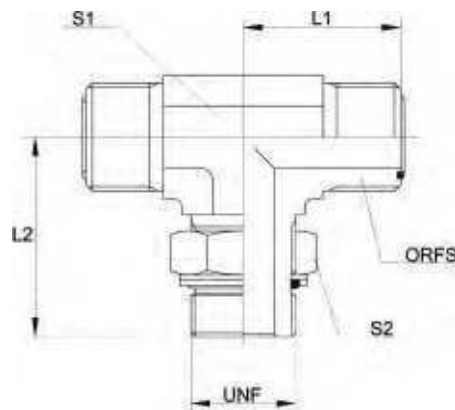
ORFS-BSP Adjustable tee stud type 15/1-03/O..G..

Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe/ BSP thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	S1	S2	Bar
405.130	15/1-03/O 9/16" G 1/8"	9/16"-18	1/8"	21,5	30,0	14	14	350
405.131	15/1-03/O 11/16" G 1/4"	11/16"-16	1/4"	25,0	37,0	19	19	315
405.132	15/1-03/O 13/16" G 3/8"	13/16"-16	3/8"	28,0	38,0	19	22	250
405.133	15/1-03/O 1" G 1/2"	1"-14	1/2"	33,5	48,0	27	27	250
405.134	15/1-03/O 1 3/16" G 3/4"	1 3/16"-12	3/4"	37,5	51,5	30	36	250
405.135	15/1-03/O 1 7/16" G 1"	1 7/16"-12	1"	41,5	58,5	36	41	200
405.136	15/1-03/O 1 11/16" G 1 1/4"	1 11/16"-12	1 1/4"	44,5	60,5	41	50	200
405.137	15/1-03/O 2" G 1 1/2"	2"-12	1 1/2"	49,0	64,0	48	55	160
405.138	15/1-03/O 9/16" G 1/4"	9/16"-18	1/4"	21,5	35,0	14	19	315
405.139	15/1-03/O 9/16" G 3/8"	9/16"-18	3/8"	23,5	38,0	19	22	250
405.140	15/1-03/O 11/16" G 3/8"	11/16"-16	3/8"	25,0	38,0	19	22	250
405.141	15/1-03/O 11/16" G 1/2"	11/16"-16	1/2"	28,0	48,0	22	27	250
405.142	15/1-03/O 13/16" G 1/4"	13/16"-16	1/4"	28,0	37,0	19	19	315
405.143	15/1-03/O 13/16" G 1/2"	13/16"-16	1/2"	30,0	48,0	22	27	250
405.144	15/1-03/O 13/16" G 3/4"	13/16"-16	3/4"	31,5	51,5	27	36	250
405.145	15/1-03/O 1" G 1/4"	1"-14	1/4"	33,5	42,5	27	19	315
405.146	15/1-03/O 1" G 3/8"	1"-14	3/8"	33,5	42,5	27	22	250
405.147	15/1-03/O 1" G 3/4"	1"-14	3/4"	33,5	51,5	27	36	250
405.148	15/1-03/O 1" G 1"	1"-14	1"	37,0	58,5	33	41	200
405.149	15/1-03/O 1 3/16" R 1/4"	1 3/16"-12	1/4"	37,5	43,5	30	19	315
405.150	15/1-03/O 1 3/16" G 1/2"	1 3/16"-12	1/2"	37,5	49,0	30	27	250
405.151	15/1-03/O 1 3/16" G 1"	1 3/16"-12	1"	38,0	58,5	33	41	200
405.152	15/1-03/O 1 7/16" G 1/4"	1 7/16"-12	1/4"	41,5	52,0	36	19	315
405.153	15/1-03/O 1 7/16" G 3/4"	1 7/16"-12	3/4"	41,5	57,5	36	36	250
405.154	15/1-03/O 1 7/16" G 1 1/4"	1 7/16"-12	1 1/4"	44,5	60,5	41	50	200
405.155	15/1-03/O 1 11/16" G 1"	1 11/16"-12	1"	44,5	60,5	41	41	200
405.156	15/1-03/O 1 11/16" G 1 1/2"	1 11/16"-12	1 1/2"	48,5	64,0	48	55	160

Technische Änderungen vorbehalten.

Measurements may differ.



ORFS-UNF Einstellbarer T-Stutzen Typ 15/1-03/O.. U.. /

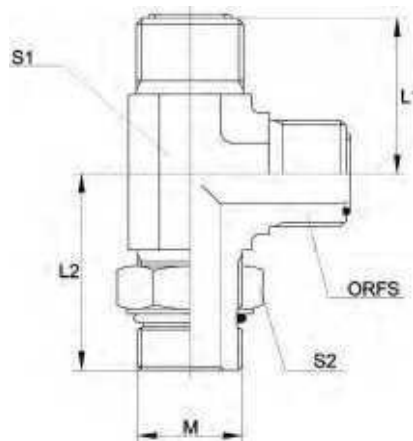
ORFS-UNF adjustable tee stud type 15/1-03/O.. U..

UNF Einschraubgewinde mit O-Ring und Unterlegscheibe/ UNF thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	UNF	L1	L2	S1	S2	Bar
405.180	15/1-03/O 9/16" U 7/16"	9/16"-18	7/16"-20	21,5	32,5	14	14	420
405.181	15/1-03/O 11/16" U 9/16"	11/16"-16	9/16"-18	25,0	37,0	19	17	420
405.182	15/1-03/O 13/16" U 3/4"	13/16"-16	3/4"-16	28,0	40,5	19	22	420
405.183	15/1-03/O 1" U 7/8"	1"-14	7/8"-14	33,5	50,0	27	27	420
405.184	15/1-03/O 1 3/16" U 1 1/16"	1 3/16"-12	1 1/16"-12	37,5	55,0	30	32	420
405.185	15/1-03/O 1 7/16" U 1 5/16"	1 7/16"-12	1 5/16"-12	41,5	59,5	36	41	380
405.186	15/1-03/O 1 11/16" U 1 5/8"	1 11/16"-12	1 5/8"-12	44,5	62,0	41	50	280
405.187	15/1-03/O 2" U 1 7/8"	2"-12	1 7/8"-12	49,0	66,0	48	55	280
405.188	15/1-03/O 9/16" U 9/16"	9/16"-18	9/16"-18	21,5	34,5	14	17	420
405.189	15/1-03/O 9/16" U 3/4"	9/16"-18	3/4"-16	23,5	40,5	19	22	420
405.190	15/1-03/O 11/16" U 7/16"	11/16"-16	7/16"-20	25,0	35,0	19	14	420
405.191	15/1-03/O 11/16" U 3/4"	11/16"-16	3/4"-16	25,0	40,5	19	22	420
405.192	15/1-03/O 11/16" U 7/8"	11/16"-16	7/8"-14	28,0	50,0	22	27	420
405.193	15/1-03/O 11/16" U 1 1/16"	11/16"-16	1 1/16"-12	29,5	55,0	27	32	420
405.194	15/1-03/O 13/16" U 9/16"	13/16"-16	9/16"-18	28,0	37,0	19	17	420
405.195	15/1-03/O 13/16" U 7/8"	13/16"-16	7/8"-14	30,0	50,0	22	27	420
405.196	15/1-03/O 13/16" U 1 1/16"	13/16"-16	1 1/16"-12	31,5	55,0	27	32	420
405.197	15/1-03/O 1" U 3/4"	1"-14	3/4"-16	33,5	46,0	27	22	420
405.198	15/1-03/O 1" U 1 1/16"	1"-14	1 1/16"-12	33,5	55,0	27	32	420
405.199	15/1-03/O 1 3/16" U 3/4"	1 3/16"-12	3/4"-16	37,5	47,0	30	22	420
405.200	15/1-03/O 1 3/16" U 7/8"	1 3/16"-12	7/8"-14	37,5	51,0	30	27	420
405.201	15/1-03/O 1 3/16" U 1 5/16"	1 3/16"-12	1 5/16"-12	38,0	59,5	33	41	380
405.202	15/1-03/O 1 7/16" U 1 1/16"	1 7/16"-12	1 1/16"-12	41,5	59,0	36	32	420
405.203	15/1-03/O 1 7/16" U 1 5/8"	1 7/16"-12	1 5/8"-12	44,5	62,0	41	50	280
405.204	15/1-03/O 1 11/16" U 1 5/16"	1 11/16"-12	1 5/16"-12	44,5	62,0	41	41	280
405.205	15/1-03/O 1 11/16" U 1 7/8"	1 11/16"-12	1 7/8"-12	48,5	66,0	48	55	280
405.206	15/1-03/O 2" U 1 5/8"	2"-12	1 5/8"-12	49,0	66,0	48	50	280

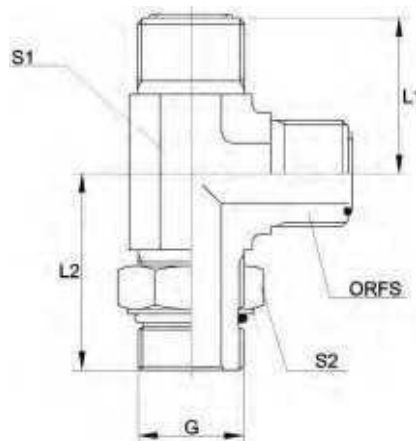
Technische Änderungen vorbehalten.

Measurements may differ.



ORFS-M Einstellbarer L-Stutzen Typ 15/1-04/O.. M.. / ORFS-M adjustable L-stud type 15/1-04/O.. M.. Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe/ metric thread with o-ring and washer								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	M	L1	L2	S1	S2	Bar
405.080	15/1-04/O 9/16" M12x1,5	9/16"-18	12x1,5	21,5	33,0	14	17	315
405.081	15/1-04/O 11/16" M14x1,5	11/16"-16	14x1,5	25,0	35,5	19	19	315
405.082	15/1-04/O 13/16" M18x1,5	13/16"-16	18x1,5	28,0	41,0	19	24	315
405.083	15/1-04/O 1" M22x1,5	1"-14	22x1,5	33,5	49,0	27	27	250
405.084	15/1-04/O 1 3/16" M27x2,0	1 3/16"-12	27x2,0	37,5	55,5	30	32	250
405.085	15/1-04/O 1 7/16" M33x2,0	1 7/16"-12	33x2,0	41,5	59,5	36	41	160
405.086	15/1-04/O 1 11/16" M42x2,0	1 11/16"-12	42x2,0	44,5	63,0	41	50	160
405.087	15/1-04/O 2" R M48x2,0	2"-12	48x2,0	49,0	68,5	48	55	160
405.088	15/1-04/O 9/16" M10x1,0	9/16"-18	10x1,0	21,5	30,0	14	14	315
405.089	15/1-04/O 11/16" M16x1,5	11/16"-16	16x1,5	25,0	37,5	19	22	315
405.090	15/1-04/O 13/16" M16x1,5	13/16"-16	16x1,5	28,0	37,5	19	22	315
405.091	15/1-04/O 13/16" M22x1,5	13/16"-16	22x1,5	31,5	49,0	27	27	250
405.092	15/1-04/O 1" M18x1,5	1"-14	18x1,5	33,5	47,5	27	24	315
405.093	15/1-04/O 1" M27x2,0	1"-14	27x2,0	33,5	55,5	27	32	250
405.094	15/1-04/O 1 3/16" M22x1,5	1 3/16"-12	22x1,5	37,5	49,5	30	27	250
405.095	15/1-04/O 1 3/16" M33x2,0	1 3/16"-12	33x2,0	38,0	59,5	33	41	160
405.096	15/1-04/O 1 7/16" M27x2,0	1 7/16"-12	27x2,0	41,5	59,5	36	32	250
405.097	15/1-04/O 1 7/16" M42x2,0	1 7/16"-12	42x2,0	44,5	63,0	41	50	160
405.098	15/1-04/O 1 11/16" M48x2,0	1 11/16"-12	48x2,0	48,5	68,5	48	55	160

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS-BSP Einstellbarer L-Stutzen Typ 15/1-04/O.. G.. /

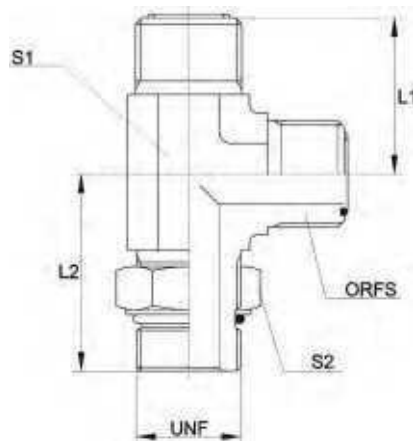
ORFS-BSP adjustable L-stud type 15/1-04/O..U..

Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe/ BSP thread with o-ring and washer

Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	S1	S2	Bar
405.050	15/1-04/O 9/16" G 1/8"	9/16"-18	1/8"	21,5	30,0	14	14	350
405.051	15/1-04/O 11/16" G 1/4"	11/16"-16	1/4"	25,0	37,0	19	19	315
405.052	15/1-04/O 13/16" G 3/8"	13/16"-16	3/8"	28,0	38,0	19	22	250
405.053	15/1-04/O 1" G 1/2"	1"-14	1/2"	33,5	48,0	27	27	250
405.054	15/1-04/O 1 3/16" G 3/4"	1 3/16"-12	3/4"	37,5	51,5	30	36	250
405.055	15/1-04/O 1 7/16" G 1"	1 7/16"-12	1"	41,5	58,5	36	41	200
405.056	15/1-04/O 1 11/16" G 1 1/4"	1 11/16"-12	1 1/4"	44,5	60,5	41	50	200
405.057	15/1-04/O 2" G 1 1/2"	2"-12	1 1/2"	49,0	64,0	48	55	160
405.058	15/1-04/O 9/16" G 1/4"	9/16"-18	1/4"	21,5	35,0	14	19	315
405.059	15/1-04/O 9/16" G 3/8"	9/16"-18	3/8"	23,5	38,0	19	22	250
405.060	15/1-04/O 11/16" G 3/8"	11/16"-16	3/8"	25,0	38,0	19	22	250
405.061	15/1-04/O 11/16" G 1/2"	11/16"-16	1/2"	28,0	48,0	22	27	250
405.062	15/1-04/O 13/16" G 1/4"	13/16"-16	1/4"	28,0	37,0	19	19	315
405.063	15/1-04/O 13/16" G 1/2"	13/16"-16	1/2"	30,0	48,0	22	27	250
405.064	15/1-04/O 13/16" G 3/4"	13/16"-16	3/4"	31,5	51,5	27	36	250
405.065	15/1-04/O 1" G 1/4"	1"-14	1/4"	33,5	42,5	27	19	315
405.066	15/1-04/O 1" G 3/8"	1"-14	3/8"	33,5	42,5	27	22	250
405.067	15/1-04/O 1" G 3/4"	1"-14	3/4"	33,5	51,5	27	36	250
405.068	15/1-04/O 1" G 1"	1"-14	1"	37,0	58,5	33	41	200
405.069	15/1-04/O 1 3/16" R 1/4"	1 3/16"-12	1/4"	37,5	43,5	30	19	315
405.070	15/1-04/O 1 3/16" G 1/2"	1 3/16"-12	1/2"	37,5	49,0	30	27	250
405.071	15/1-04/O 1 3/16" G 1"	1 3/16"-12	1"	38,0	58,5	33	41	200
405.072	15/1-04/O 1 7/16" G 1/4"	1 7/16"-12	1/4"	41,5	52,0	36	19	315
405.073	15/1-04/O 1 7/16" G 3/4"	1 7/16"-12	3/4"	41,5	57,5	36	36	250
405.074	15/1-04/O 1 7/16" G 1 1/4"	1 7/16"-12	1 1/4"	44,5	60,5	41	50	200
405.075	15/1-04/O 1 11/16" G 1"	1 11/16"-12	1"	44,5	60,5	41	41	200
405.076	15/1-04/O 1 11/16" G 1 1/2"	1 11/16"-12	1 1/2"	48,5	64,0	48	55	160

Technische Änderungen vorbehalten.

Measurements may differ.



ORFS-UNF Einstellbarer L-Stutzen Typ 15/1-04/O.. U.. /

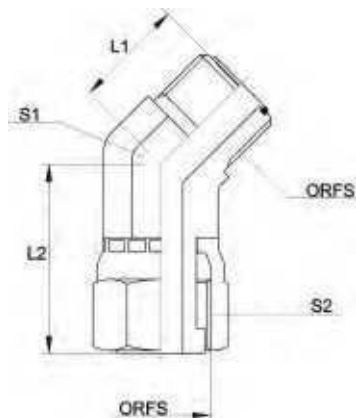
ORFS-UNF adjustable L-stud type 15/1-04/O.. U..

UNF Einschraubgewinde mit O-Ring und Unterlegscheibe/UNF thread with o-ring and washer

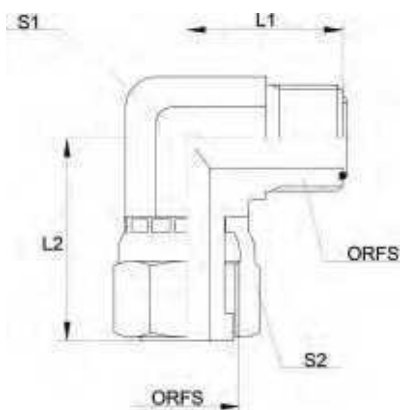
Art. Nr. Art. N°	Bezeichnung Description	ORFS	UNF	L1	L2	S1	S2	Bar
405.100	15/1-04/O 9/16" U 7/16"	9/16"-18	7/16"-20	21,5	32,5	14	14	420
405.101	15/1-04/O 11/16" U 9/16"	11/16"-16	9/16"-18	25,0	37,0	19	17	420
405.102	15/1-04/O 13/16" U 3/4"	13/16"-16	3/4"-16	28,0	40,5	19	22	420
405.103	15/1-04/O 1" U 7/8"	1"-14	7/8"-14	33,5	50,0	27	27	420
405.104	15/1-04/O 1 3/16" U 1 1/16"	1 3/16"-12	1 1/16"-12	37,5	55,0	30	32	420
405.105	15/1-04/O 1 7/16" U 1 5/16"	1 7/16"-12	1 5/16"-12	41,5	59,5	36	41	380
405.106	15/1-04/O 1 11/16" U 1 5/8"	1 11/16"-12	1 5/8"-12	44,5	62,0	41	50	280
405.107	15/1-04/O 2" U 1 7/8"	2"-12	1 7/8"-12	49,0	66,0	48	55	280
405.108	15/1-04/O 9/16" U 9/16"	9/16"-18	9/16"-18	21,5	34,5	14	17	420
405.109	15/1-04/O 9/16" U 3/4"	9/16"-18	3/4"-16	23,5	40,5	19	22	420
405.110	15/1-04/O 11/16" U 7/16"	11/16"-16	7/16"-20	25,0	35,0	19	14	420
405.111	15/1-04/O 11/16" U 3/4"	11/16"-16	3/4"-16	25,0	40,5	19	22	420
405.112	15/1-04/O 11/16" U 7/8"	11/16"-16	7/8"-14	28,0	50,0	22	27	420
405.113	15/1-04/O 11/16" U 1 1/16"	11/16"-16	1 1/16"-12	29,5	55,0	27	32	420
405.114	15/1-04/O 13/16" U 9/16"	13/16"-16	9/16"-18	28,0	37,0	19	17	420
405.115	15/1-04/O 13/16" U 7/8"	13/16"-16	7/8"-14	30,0	50,0	22	27	420
405.116	15/1-04/O 13/16" U 1 1/16"	13/16"-16	1 1/16"-12	31,5	55,0	27	32	420
405.117	15/1-04/O 1" U 3/4"	1"-14	3/4"-16	33,5	46,0	27	22	420
405.118	15/1-04/O 1" U 1 1/16"	1"-14	1 1/16"-12	33,5	55,0	27	32	420
405.119	15/1-04/O 1 3/16" U 3/4"	1 3/16"-12	3/4"-16	37,5	47,0	30	22	420
405.120	15/1-04/O 1 3/16" U 7/8"	1 3/16"-12	7/8"-14	37,5	51,0	30	27	420
405.121	15/1-04/O 1 3/16" U 1 5/16"	1 3/16"-12	1 5/16"-12	38,0	59,5	33	41	380
405.122	15/1-04/O 1 7/16" U 1 1/16"	1 7/16"-12	1 1/16"-12	41,5	59,0	36	32	420
405.123	15/1-04/O 1 7/16" U 1 5/8"	1 7/16"-12	1 5/8"-12	44,5	62,0	41	50	280
405.124	15/1-04/O 1 11/16" U 1 5/16"	1 11/16"-12	1 5/16"-12	44,5	62,0	41	41	280
405.125	15/1-04/O 1 11/16" U 1 7/8"	1 11/16"-12	1 7/8"-12	48,5	66,0	48	55	280
405.126	15/1-04/O 2" U 1 5/8"	2"-12	1 5/8"-12	49,0	66,0	48	50	280

Technische Änderungen vorbehalten.

Measurements may differ.



45° ORFS Einstellbare W-Verschraubung Typ 15/1-29/O.. 45° / 45° ORFS adjustable elbow stud type 15/1-29/O.. 45°							
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	S1	S2	Bar
405.360	15/1-29/O 9/16" 45°	9/16"-18	16,0	26,5	14	17	630
405.361	15/1-29/O 11/16" 45°	11/16"-16	19,0	29,0	19	22	630
405.362	15/1-29/O 13/16" 45°	13/16"-16	20,5	38,0	19	24	630
405.363	15/1-29/O 1" 45°	1"-14	23,5	41,0	27	30	420
405.364	15/1-29/O 1 3/16" 45°	1 3/16"-12	26,0	46,5	30	36	420
405.365	15/1-29/O 1 7/16" 45°	1 7/16"-12	30,0	53,5	36	41	420
405.366	15/1-29/O 1 11/16" 45°	1 11/16"-12	32,0	58,0	41	50	280
405.367	15/1-29/O 2" 45°	2"-12	37,0	61,0	48	60	280

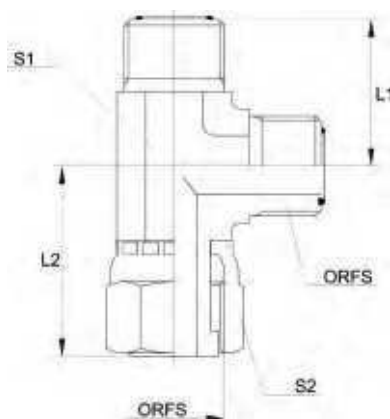


90° ORFS Einstellbare W-Verschraubung Typ 15/1-29/O.. 90° / 90° ORFS adjustable elbow stud type 15/1-29/O.. 90°							
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	S1	S2	Bar
405.350	15/1-29/O 9/16" 90°	9/16"-18	21,5	26,5	14	17	630
405.351	15/1-29/O 11/16" 90°	11/16"-16	25,0	29,0	19	22	630
405.352	15/1-29/O 13/16" 90°	13/16"-16	28,0	38,0	19	24	630
405.353	15/1-29/O 1" 90°	1"-14	33,5	41,0	27	30	420
405.354	15/1-29/O 1 3/16" 90°	1 3/16"-12	37,5	46,5	30	36	420
405.355	15/1-29/O 1 7/16" 90°	1 7/16"-12	41,5	53,5	36	41	420
405.356	15/1-29/O 1 11/16" 90°	1 11/16"-12	44,5	58,0	41	50	280
405.357	15/1-29/O 2" 90°	2"-12	49,0	61,0	48	60	280

Technische Änderungen vorbehalten.
Measurements may differ.



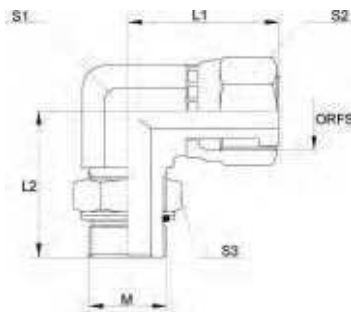
ORFS Einstellbare T-Verschraubung Typ 15/2-29/O.. / ORFS adjustable tee coupling type 15/2-29/O..							
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	S1	S2	Bar
405.380	15/2-29/O 9/16"	9/16"-18	21,5	26,5	14	17	630
405.381	15/2-29/O 11/16"	11/16"-16	25,0	29,0	19	22	630
405.382	15/2-29/O 13/16"	13/16"-16	28,0	38,0	19	24	630
405.383	15/2-29/O 1"	1"-14	33,5	41,0	27	30	420
405.384	15/2-29/O 1 3/16"	1 3/16"-12	37,5	46,5	30	36	420
405.385	15/2-29/O 1 7/16"	1 7/16"-12	41,5	53,5	36	41	420
405.386	15/2-29/O 1 11/16"	1 11/16"-12	44,5	58,0	41	50	280
405.387	15/2-29/O 2"	2"-12	49,0	61,0	48	60	280



ORFS Einstellbare L-Verschraubung Typ 15/3-29/O.. / ORFS adjustable L-coupling type 15/3-29/O..							
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	S1	S2	Bar
405.370	15/3-29/O 9/16"	9/16"-18	21,5	26,5	14	17	630
405.371	15/3-29/O 11/16"	11/16"-16	25,0	29,0	19	22	630
405.372	15/3-29/O 13/16"	13/16"-16	28,0	38,0	19	24	630
405.373	15/3-29/O 1"	1"-14	33,5	41,0	27	30	420
405.374	15/3-29/O 1 3/16"	1 3/16"-12	37,5	46,5	30	36	420
405.375	15/3-29/O 1 7/16"	1 7/16"-12	41,5	53,5	36	41	420
405.376	15/3-29/O 1 11/16"	1 11/16"-12	44,5	58,0	41	50	280
405.377	15/3-29/O 2"	2"-12	49,0	61,0	48	60	280

Technische Änderungen vorbehalten.

Measurements may differ.

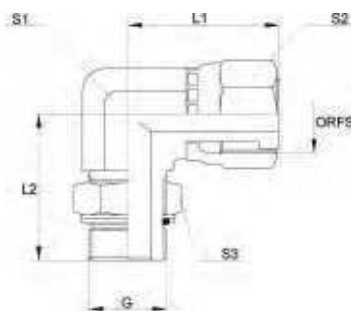


90° ORFS-M Einstellbare W-Verschraubung Typ 15/1-30/O.. M.. 90° /

90° ORFS-M adjustable elbow coupling type 15/1-30/O.. M.. 90°

Metrisches Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite ORFS Überwurfmutter/
Metric thread with o-ring and washer, connector side ORFS screw cap

Art. Nr. Art. N°	Description Description	ORFS	M	L1	L2	S1	S2	S3	Bar
405.330	15/1-30/O 9/16" M12x1,5 90°	9/16"-18	12x1,5	26,5	33,0	14	17	17	315
405.331	15/1-30/O 11/16" M14x1,5 90°	11/16"-16	14x1,5	29,0	35,5	19	22	19	315
405.332	15/1-30/O 13/16" M18x1,5 90°	13/16"-16	18x1,5	38,0	41,0	19	24	24	315
405.333	15/1-30/O 1" M22x1,5 90°	1"-14	22x1,5	41,0	49,0	27	30	27	250
405.334	15/1-30/O 1 3/16" M27x2,0 90°	1 3/16"-12	27x2,0	46,5	55,5	30	36	32	250
405.335	15/1-30/O 1 7/16" M33x2,0 90°	1 7/16"-12	33x2,0	53,5	59,5	36	41	41	160
405.336	15/1-30/O 1 11/16" M42x2,0 90°	1 11/16"-12	42x2,0	58,0	63,0	41	50	50	160
405.337	15/1-30/O 2" M48x2,0 90°	2"-12	48x2,0	61,0	68,5	48	60	55	160

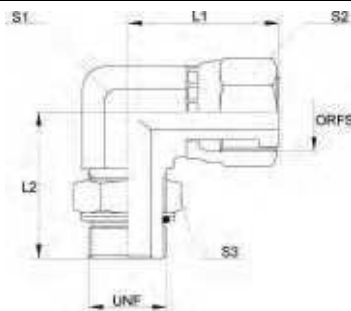


90° ORFS-BSP Einstellbare W-Verschraubung Typ 15/1-30/O.. G.. 90° /

90° ORFS-BSP adjustable elbow coupling type 15/1-30/O.. G.. 90°

Zölliges Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite ORFS Überwurfmutter/
BSP thread with o-ring and washer, connector side ORFS screw cap

Art. Nr. Art. N°	Description Description	ORFS	G	L1	L2	S1	S2	S3	Bar
405.320	15/1-30/O 9/16" G1/8" 90°	9/16"-18	1/8"	26,5	30,0	14	17	14	350
405.321	15/1-30/O 11/16" G1/4" 90°	11/16"-16	1/4"	29,0	37,0	19	22	19	315
405.322	15/1-30/O 13/16" G3/8" 90°	13/16"-16	3/8"	38,0	38,0	19	24	22	250
405.323	15/1-30/O 1" G1/2" 90°	1"-14	1/2"	41,0	48,0	27	30	27	250
405.324	15/1-30/O 1 3/16" G3/4" 90°	1 3/16"-12	3/4"	46,5	51,5	30	36	36	250
405.325	15/1-30/O 1 7/16" G1" 90°	1 7/16"-12	1"	53,5	58,5	36	41	41	200
405.326	15/1-30/O 1 11/16" G1 1/4" 90°	1 11/16"-12	1 1/4"	58,0	60,5	41	50	50	200
405.327	15/1-30/O 2" G1 1/2" 90°	2"-12	1 1/2"	61,0	64,0	48	60	55	160

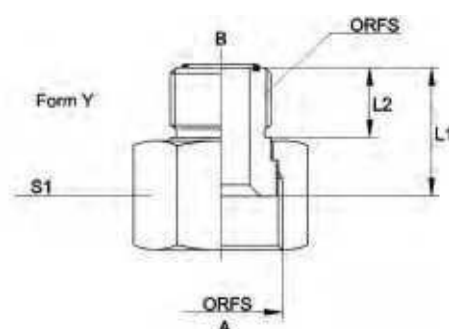
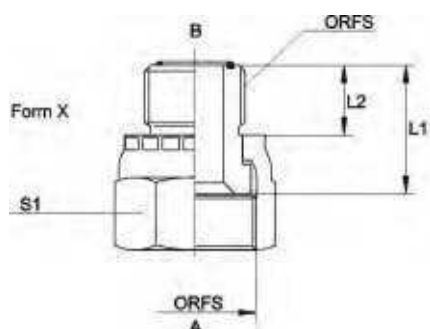


90° ORFS-UNF Einstellbare W-Verschraubung Typ 15/1-30/O.. U.. 90° /

90° ORFS-UNF adjustable elbow coupling type 15/1-30/O.. U.. 90°

UNF Einschraubgewinde mit O-Ring und Unterlegscheibe, Anschlussseite ORFS Überwurfmutter/
UNF thread with o-ring and washer, connector side ORFS screw cap

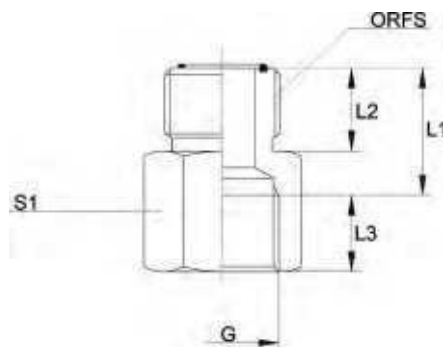
Art. Nr. Art. N°	Description Description	ORFS	UNF	L1	L2	S1	S2	S3	Bar
405.340	15/1-30/O 9/16" U 90°	9/16"-18	7/16"-20	26,5	32,5	14	17	14	420
405.341	15/1-30/O 11/16" U 90°	11/16"-16	9/16"-18	29,0	37,0	19	22	17	420
405.342	15/1-30/O 13/16" U 90°	13/16"-16	3/4"-16	38,0	40,5	19	24	22	420
405.343	15/1-30/O 1" U 90°	1"-14	7/8"-14	41,0	50,0	27	30	27	420
405.344	15/1-30/O 1 3/16" U 90°	1 3/16"-12	1 1/16"-12	46,5	55,0	30	36	32	420
405.345	15/1-30/O 1 7/16" U 90°	1 7/16"-12	1 5/16"-12	53,5	59,5	36	41	41	380
405.346	15/1-30/O 1 11/16" U 90°	1 11/16"-12	1 5/8"-12	58,0	62,0	41	50	50	280
405.347	15/1-30/O 2" U 90°	2"-12	1 7/8"-12	61,0	66,0	48	60	55	280



ORFS-ORFS Reduzierung Typ 15-29/O.. O.. / ORFS-ORFS reducing adapter type 15-29/O.. O.. Aussengewinde - Überwurfmutter / one side male thread, other side screw cap								
Art. Nr. Art. N°	Bezeichnung Description	ORFS A	ORFS B	L1	L2	S1	Form	Bar
404.330	15-29/O 11/16" O 9/16"	11/16"-16	9/16"-18	20,0	10,0	22	X	630
404.331	15-29/O 13/16" O 9/16"	13/16"-16	9/16"-18	22,0	10,0	24	Y	630
404.332	15-29/O 1" O 9/16"	1"-14	9/16"-18	23,0	10,0	30	Y	420
404.333	15-29/O 1 3/16" O 9/16"	1 3/16"-12	9/16"-18	25,0	10,0	36	Y	420
404.334	15-29/O 1 7/16" O 9/16"	1 7/16"-12	9/16"-18	26,0	10,0	41	Y	420
404.335	15-29/O 1 11/16" O 9/16"	1 11/16"-12	9/16"-18	26,5	10,0	50	Y	280
404.336	15-29/O 2" O 9/16"	2"-12	9/16"-18	26,5	10,0	60	Y	280
404.337	15-29/O 13/16" O 11/16"	13/16"-16	11/16"-16	23,0	11,0	24	X	630
404.338	15-29/O 1" O 11/16"	1"-14	11/16"-16	24,0	11,0	30	Y	420
404.339	15-29/O 1 3/16" O 11/16"	1 3/16"-12	11/16"-16	26,0	11,0	36	Y	420
404.340	15-29/O 1 7/16" O 11/16"	1 7/16"-12	11/16"-16	27,0	11,0	41	Y	420
404.341	15-29/O 1 11/16" O 11/16"	1 11/16"-12	11/16"-16	27,5	11,0	50	Y	280
404.342	15-29/O 2" O 11/16"	2"-12	11/16"-16	27,5	11,0	60	Y	280
404.343	15-29/O 1" O 13/16"	1"-14	13/16"-16	25,5	13,0	30	Y	420
404.344	15-29/O 1 3/16" O 13/16"	1 3/16"-12	13/16"-16	27,5	13,0	36	Y	420
404.345	15-29/O 1 7/16" O 13/16"	1 7/16"-12	13/16"-16	29,0	13,0	41	Y	420
404.346	15-29/O 1 11/16" O 13/16"	1 11/16"-12	13/16"-16	29,5	13,0	50	Y	280
404.347	15-29/O 2" O 13/16"	2"-12	13/16"-16	29,5	13,0	60	Y	280
404.348	15-29/O 1 3/16" O 1"	1 3/16"-12	1"-14	29,5	15,5	36	X	420
404.349	15-29/O 1 7/16" O 1"	1 7/16"-12	1"-14	32,0	15,5	41	Y	420
404.350	15-29/O 1 11/16" O 1"	1 11/16"-12	1"-14	32,0	15,5	50	Y	280
404.351	15-29/O 2" O 1"	2"-12	1"-14	32,0	15,5	60	Y	280
404.352	15-29/O 1 7/16" O 1 3/16"	1 7/16"-12	1 3/16"-12	33,0	17,0	41	X	420
404.353	15-29/O 1 11/16" O 1 3/16"	1 11/16"-12	1 3/16"-12	33,5	17,0	50	Y	280
404.354	15-29/O 2" O 1 3/16"	2"-12	1 3/16"-12	33,5	17,0	60	Y	280
404.355	15-29/O 1 11/16" O 1 7/16"	1 11/16"-12	1 7/16"-12	34,0	17,5	50	X	280
404.356	15-29/O 2" O 1 7/16"	2"-12	1 7/16"-12	34,0	17,5	60	Y	280
404.357	15-29/O 2" O 1 11/16"	2"-12	1 11/16"-12	34,0	17,5	60	Y	280

Technische Änderungen vorbehalten.

Measurements may differ.

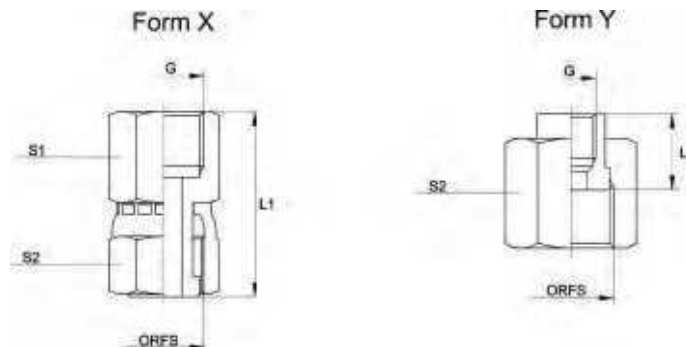


ORFS-BSP Aufschraubverschraubung Typ 15-24/O.. G.. / ORFS-BSP female stud coupling type 15-24/O.. G.. Zölliges Innengewinde, parallel/ female BSP thread, parallel								
Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	L3	S1	Bar
404.195	15-24/O 9/16" G1/4"	9/16"-18	1/4"	17,0	10,0	14,0	19	630
404.196	15-24/O 11/16" G1/4"	11/16"-16	1/4"	18,0	11,0	14,0	19	630
404.197	15-24/O 13/16" G3/8"	13/16"-16	3/8"	21,0	13,0	14,0	24	630
404.198	15-24/O 1" G1/2"	1"-14	1/2"	24,5	15,5	17,0	30	420
404.199	15-24/O 1 3/16" G3/4"	1 3/16"-12	3/4"	27,0	17,0	19,0	36	420
404.200	15-24/O 1 7/16" G1"	1 7/16"-12	1"	27,0	17,5	21,5	41	420
404.201	15-24/O 1 11/16" G1 1/4"	1 11/16"-12	1 1/4"	30,0	17,5	23,5	55	280
404.202	15-24/O 2" G1 1/2"	2"-12	1 1/2"	30,0	17,5	25,5	60	280
404.203	15-24/O 13/16" G1/4"	13/16"-16	1/4"	20,0	13,0	14,0	22	630
404.204	15-24/O 1 3/16" G1/2"	1 3/16"-12	1/2"	26,0	17,0	17,0	32	420

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS Manometerstutzen Typ 15-23/O.. / ORFS pressure gauge stud type 15-23/O.. Zölliges Innengewinde, parallel; ORFS Aussengewinde/ female BSP thread, parallel							
Art. Nr. Art. N°	Bezeichnung Description	ORFS	G	L1	L2	S1	Bar
404.450	15-23/O 9/16" G 1/4"	9/16"-18	1/4"	10	27	19	630
404.451	15-23/O 11/16" G 1/4"	11/16"-16	1/4"	11	28	19	630
404.452	15-23/O 13/16" G 1/4"	13/16"-16	1/4"	13	30	22	630
404.453	15-23/O 9/16" G 1/2"	9/16"-18	1/2"	10	37	30	630
404.454	15-23/O 11/16" G 1/2"	11/16"-16	1/2"	11	38	30	630
404.455	15-23/O 13/16" G 1/2"	13/16"-16	1/2"	13	40	30	630

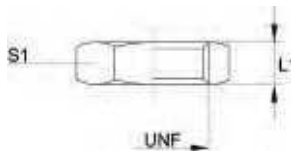


ORFS Einstellbare Manometerverschraubung Typ 15/2-23/O.. / ORFS adjustable pressure gauge stud type 15/2-23/O.. Zölliges Innengewinde, parallel; ORFS Überwurfmutter/ female BSP thread, parallel, ORFS screw cap								
Art. Nr. Art. N°	Bezeichnung Description	FORM	ORFS	G	L1	S1	S2	Bar
404.465	15/2-23/O 9/16" G 1/4"	X	9/16"-18	1/4"	39,0	19	17	630
404.466	15/2-23/O 11/16" G 1/4"	X	11/16"-16	1/4"	41,0	19	22	630
404.467	15/2-23/O 13/16" G 1/4"	X	13/16"-16	1/4"	43,0	19	24	630
404.468	15/2-23/O 1" G 1/4"	Y	1"-14	1/4"	15,5	-	30	420
404.469	15/2-23/O 1 3/16" G 1/4"	Y	1 3/16"-12	1/4"	15,5	-	36	420
404.470	15/2-23/O 1 7/16" G 1/4"	Y	1 7/16"-12	1/4"	15,5	-	41	420
404.471	15/2-23/O 1 11/16" G 1/4"	Y	1 11/16"-12	1/4"	15,5	-	50	280
404.472	15/2-23/O 2" G 1/4"	Y	2"-12	1/4"	15,5	-	60	280

Technische Änderungen vorbehalten.
Measurements may differ.

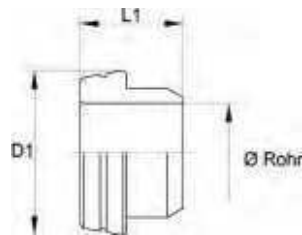


ORFS Überwurfmutter Typ 15-30/O.. / ORFS screw cap type 15-30/O..					
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	S1	Bar
404.000	15-30/O 9/16"	9/16"-18	15,0	22	630
404.001	15-30/O 11/16"	11/16"-16	17,0	27	630
404.002	15-30/O 13/16"	13/16"-16	20,0	30	630
404.003	15-30/O 1"	1"-14	24,0	36	420
404.004	15-30/O 1 3/16"	1 3/16"-12	26,5	41	420
404.005	15-30/O 1 7/16"	1 7/16"-12	27,5	46	420
404.006	15-30/O 1 11/16"	1 11/16"-12	27,5	50	280
404.007	15-30/O 2"	2"-12	27,5	60	280



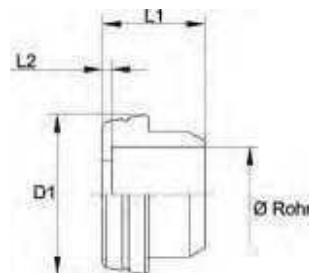
ORFS Kontermutter Typ 15-32/O.. / ORFS lock nut type 15-32/O..					
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	S1	Bar
405.410	15-32/O 9/16"	9/16"-18	7,0	22	630
405.411	15-32/O 11/16"	11/16"-16	8,0	27	630
405.412	15-32/O 13/16"	13/16"-16	9,0	30	630
405.413	15-32/O 1"	1"-14	10,5	36	420
405.414	15-32/O 1 3/16"	1 3/16"-12	10,5	41	420
405.415	15-32/O 1 7/16"	1 7/16"-12	10,5	46	420
405.416	15-32/O 1 11/16"	1 11/16"-12	10,5	50	280
405.417	15-32/O 2"	2"-12	10,5	60	280

Technische Änderungen vorbehalten.
Measurements may differ.



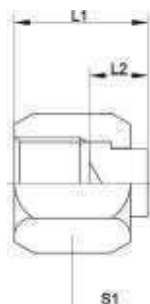
ORFS Stützhülse Typ STHOB/.. / ORFS sleeve type STHOB Bördel-Ausführung/ flaring version					
Art. Nr. Art. N°	Bezeichnung Description	Rohr Ø Tube Ø	D1	L1	Bar
405.430	STHOB/ 6	6	12,75	7,5	630
405.431	STHOB/ 8	8	15,75	8,5	630
405.432	STHOB/ 10	10	15,75	8,5	630
405.433	STHOB/ 12	12	18,90	10,5	630
405.434	STHOB/ 14	14	23,45	10,5	420
405.435	STHOB/ 15	15	23,45	10,5	420
405.436	STHOB/ 16	16	23,45	10,5	420
405.437	STHOB/ 18	18	27,85	12,0	420
405.438	STHOB/ 20	20	27,85	12,0	420
405.439	STHOB/ 22	22	34,20	13,5	420
405.440	STHOB/ 25	25	34,20	13,5	420
405.441	STHOB/ 28	28	40,55	13,0	280
405.442	STHOB/ 30	30	40,55	13,0	280
405.443	STHOB/ 32	32	40,55	13,0	280
405.444	STHOB/ 35	35	48,50	12,5	280
405.445	STHOB/ 38	38	48,50	12,5	280

Technische Änderungen vorbehalten.
Measurements may differ.

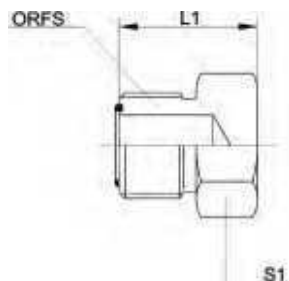


ORFS Stützhülse Typ STHOL/.. / ORFS sleeve type STHOL						
Löt-Ausführung / soldering version						
Art. Nr. Art. N°	Bezeichnung Description	Rohr Ø Tube Ø	D1	L1	L2	Bar
405.460	STHOL/ 6	6	12,75	9,5	1,0	630
405.461	STHOL/ 8	8	15,75	9,5	1,0	630
405.462	STHOL/ 10	10	15,75	9,5	1,0	630
405.463	STHOL/ 12	12	18,90	9,5	1,0	630
405.464	STHOL/ 14	14	23,45	10,5	1,5	420
405.465	STHOL/ 15	15	23,45	10,5	1,5	420
405.466	STHOL/ 16	16	23,45	10,5	1,5	420
405.467	STHOL/ 18	18	27,85	14,0	1,5	420
405.468	STHOL/ 20	20	27,85	14,0	1,5	420
405.469	STHOL/ 22	22	34,20	15,5	1,5	420
405.470	STHOL/ 25	25	34,20	15,5	1,5	420
405.471	STHOL/ 28	28	40,55	15,5	1,5	280
405.472	STHOL/ 30	30	40,55	15,5	1,5	280
405.473	STHOL/ 32	32	40,55	15,5	1,5	280
405.474	STHOL/ 35	35	48,50	15,5	1,5	280
405.475	STHOL/ 38	38	48,50	15,5	1,5	280

Technische Änderungen vorbehalten.
Measurements may differ.



ORFS Verschlussmutter Typ 15-37/O.. / ORFS coupling plug type 15-37/O..						
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	L2	S1	Bar
405.390	15-37/O 9/16"	9/16"-18	15,0	8,5	22	630
405.391	15-37/O 11/16"	11/16"-16	17,0	9,5	27	630
405.392	15-37/O 13/16"	13/16"-16	20,0	12,0	30	630
405.393	15-37/O 1"	1"-14	24,0	12,0	36	420
405.394	15-37/O 1 3/16"	1 3/16"-12	26,5	13,5	41	420
405.395	15-37/O 1 7/16"	1 7/16"-12	27,5	15,0	46	420
405.396	15-37/O 1 11/16"	1 11/16"-12	27,5	15,0	50	280
405.397	15-37/O 2"	2"-12	27,5	15,0	60	280



ORFS Verschlusschraube Typ 15-34/O.. / ORFS coupling plug type 15-34/O..					
Art. Nr. Art. N°	Bezeichnung Description	ORFS	L1	S1	Bar
405.400	15-34/O 9/16"	9/16"-18	16,5	17	630
405.401	15-34/O 11/16"	11/16"-16	19,0	19	630
405.402	15-34/O 13/16"	13/16"-16	22,0	22	630
405.403	15-34/O 1"	1"-14	26,0	27	420
405.404	15-34/O 1 3/16"	1 3/16"-12	27,5	32	420
405.405	15-34/O 1 7/16"	1 7/16"-12	28,0	41	420
405.406	15-34/O 1 11/16"	1 11/16"-12	28,0	46	280
405.407	15-34/O 2"	2"-12	28,0	55	280

Technische Änderungen vorbehalten.
Measurements may differ.

Verkaufs- und Lieferungsbedingungen

1. Angebot, Unterlagen

Wir liefern ausschließlich aufgrund dieser Verkaufs- und Lieferungsbedingungen. Geschäftsbedingungen des Bestellers gelten, auch wenn wir ihnen nicht ausdrücklich widersprochen haben, nur soweit sie mit unseren übereinstimmen. Vereinbarungen, mit denen von unseren Bedingungen abgewichen wird, gelten nur, wenn sie schriftlich getroffen werden.

An Zeichnungen und anderen Unterlagen behalten wir uns das Eigentums- und Urheberrecht vor; sie dürfen ohne unsere Zustimmung weder verwertet noch Dritten zugänglich gemacht werden.

Bereits im Angebotsstadium hat uns der Besteller schriftlich auf eine aus dem Rahmen fallende Beanspruchung an die zu liefernden Gegenstände, sowie andere Risiken hinzuweisen, die bei ihrer Verwendung entstehen können.

Beziehen sich Angebote und Auftragsbestätigungen auf unseren Katalog oder unser Prospektmaterial, so gilt jeweils die letzte Ausgabe. Technische Änderungen bleiben vorbehalten. Angaben in Anzeigen beschreiben unsere Produkte, enthalten aber technisch nur Annäherungswerte.

2. Vertrag

Der Umfang der beiderseitigen Verpflichtungen richtet sich nach unserer Auftragsbestätigung. Nebenabreden und Änderungen gelten nur, wenn wir sie schriftlich bestätigen.

3. Preise

Unsere Preise gelten ab Werk, ausschließlich Verpackung, die zum Selbstkostenpreis berechnet wird.

Die Mehrwertsteuer ist im Preis nicht enthalten und wird gesondert in Rechnung gestellt.

Verändern sich die für die Preisbildung maßgebenden Faktoren wie Löhne und/oder die Kosten für Material und/oder Betriebsstoffe, sind wir berechtigt, die Preise entsprechend anzupassen.

4. Zahlung

Unsere Rechnungen sind zahlbar innerhalb von acht Tagen nach Rechnungsdatum mit 2 % Skonto vom Nettowarenwert oder innerhalb von 30 Tagen nach Rechnungsdatum netto.

Eine Aufrechnung mit nicht anerkannten Gegenforderungen des Bestellers ist ausgeschlossen.

5. Lieferfrist

Vereinbarte Lieferfristen beginnen mit dem Datum der Auftragsbestätigung. Sie sind eingehalten, wenn die Liefergegenstände bis Ablauf der Frist versandbereit sind. Die Lieferfristen verlängern sich angemessen bei Eintritt unvorhergesehener Hindernisse, die außerhalb unseres Willens liegen, wie Streik und Aussperrung, Betriebsstörungen, Verzögerung in der Anlieferung wesentlicher Materialien, gleichviel ob diese Hindernisse bei uns oder bei einem unserer Lieferanten eintreten. Derartige Umstände sind auch dann nicht von uns zu vertreten, wenn wir bereits im Verzuge sind. Treten sie ein, sind beide Parteien berechtigt, vom Vertrag zurückzutreten. Wir sind zu Teillieferungen berechtigt. Kommen wir mit der Lieferung in Verzug, kann der Besteller, nachdem eine von ihm gesetzte angemessene Nachfrist verstrichen ist, vom Vertrag insoweit zurücktreten, wie wir bis zum Eingang der Rücktrittserklärung bei uns den Kaufgegenstand oder Teile davon noch nicht versandt haben.

Andere Ansprüche wegen des Verzuges, insbesondere auf Schadenersatz, sind ausgeschlossen. Soweit dieser Ausschuß nicht zulässig ist, beschränkt sich unsere Haftung auf kausal auf unseren Verzug zurückzuführenden unmittelbaren Schäden.

6. Gefahrenübergang, Mehr- oder Minderlieferungen

Unabhängig von der Art des Transportes und dessen Kosten reist die Ware auf Gefahr des Bestellers.

Bei Sonderlieferungen werden angemessene Mehr- oder Minderlieferungen in der Lieferung berücksichtigt.

7. Eigentumsvorbehalt

Die von uns gelieferten Gegenstände bleiben unser Eigentum bis alle unsere Ansprüche gegen den Besteller, gleich aus welchem Rechtsgrund, erfüllt sind.

8. Beanstandungen

Die von uns gelieferten Gegenstände gelten als genehmigt, wenn uns Beanstandungen nicht unverzüglich, das heißt, innerhalb einer Frist von 14 Tagen nach Absendung zugehen.

9. Gewährleistung

Bei berechtigten Mängelrügen erfolgt nach unserer Wahl Nachbesserung, Ersatzlieferung oder Gutschrift. Schlägt die Nachbesserung fehl, ist der Besteller berechtigt, Wandlung des Kaufvertrages oder Minderung des Kaufpreises zu verlangen. Ansprüche auf Schadenersatz sind ausgeschlossen. Das gilt auch für Ansprüche auf Ersatz von Schäden, die nicht am Liefergegenstand selbst entstanden sind und für Schadenersatzansprüche wegen einer etwaigen schuldhaften Verletzung unserer Nachbesserungspflicht.

10. Haftung für Nebenpflichten

Rat und Auskunft über die Verwendung unserer Liefergegenstände geben wir nach bestem Wissen, schließen jedoch unsere Haftung hierfür aus, weil die Verantwortung hinsichtlich Eignung und bestimmungsgemäßer Verwendung unserer Liefergegenstände beim Besteller liegt.

11. Produkthaftung

Für Fehler an unseren Liefergegenständen haften wir dem Besteller gegenüber ausschließlich gemäß der Bestimmungen in Abschnitt 8. Ansprüche des Bestellers aus Produkthaftung sind ausgeschlossen. Bitte beachten Sie, daß alle Angaben in diesem Katalog unseren Erfahrungswerten entsprechen und ausschließlich Ihrer Information dienen. Eine Verbindlichkeit kann daraus nicht hergeleitet werden.

12. Rücktrittsrecht

Wird uns die Lieferung nachträglich unmöglich, ist der Besteller zum Rücktritt vom Vertrag berechtigt. Bei teilweiser Unmöglichkeit ist er zum Rücktritt hinsichtlich des Teiles der vertraglichen Leistung berechtigt, dessen Erfüllung unmöglich geworden ist. Schadenersatzansprüche wegen Rücktritts bestehen nicht.

13. Erfüllungsort, Gerichtsstand, anwendbares Recht

Erfüllungsort für die Lieferung und Zahlung ist unser Geschäftssitz. Gerichtsstand für beide Vertragspartner ist Diez/Lahn oder, nach unserer Wahl, der Geschäftssitz des Bestellers. Für alle Vereinbarungen und Rechtshandlungen der Vertragspartner gilt ergänzend zu den Vertragsbestimmungen nur das Recht der Bundesrepublik Deutschland.