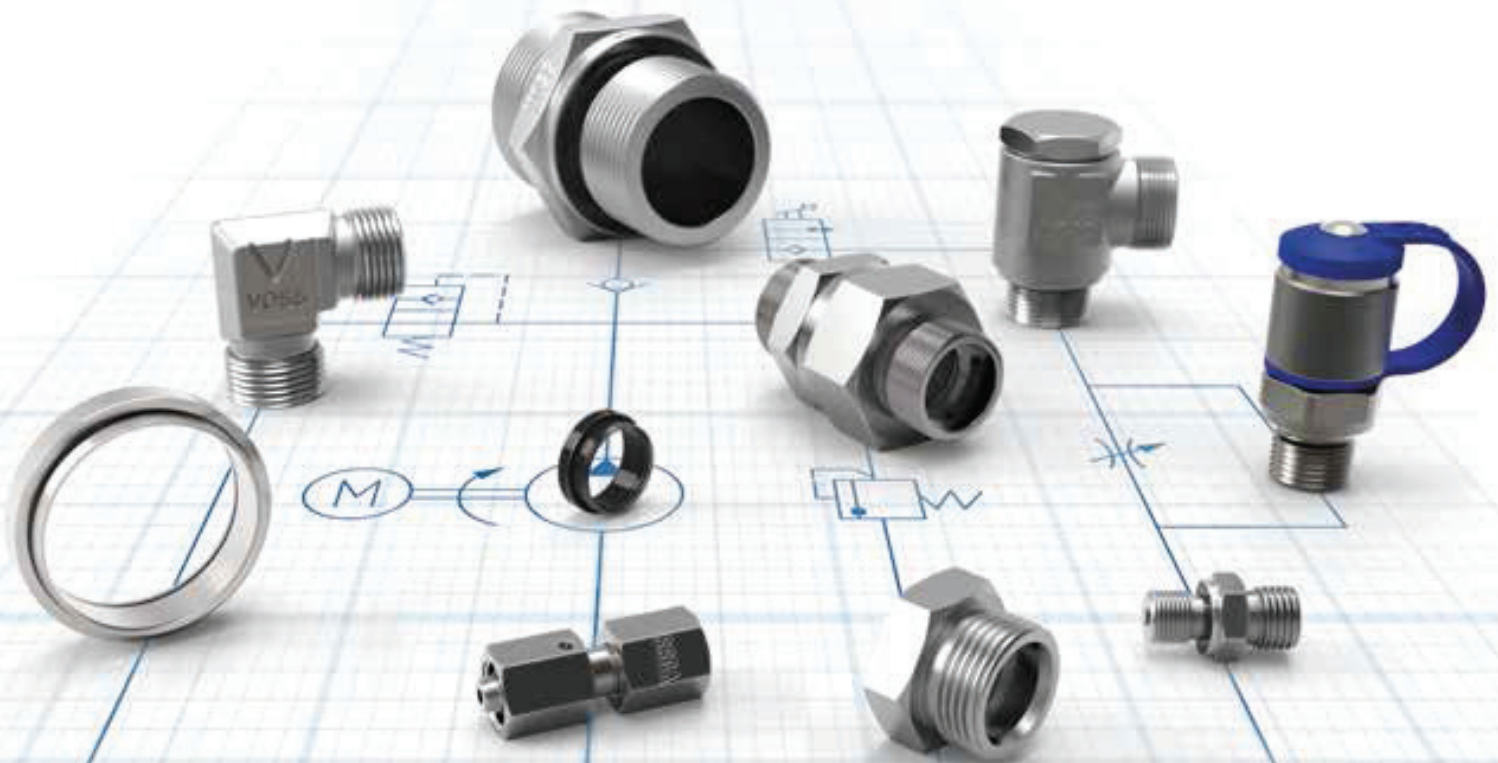


Hydraulic connection technology



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Please request the latest list
of dealers from our
Wipperfürth sales office.

To ensure that VOSS products perform reliably, it is essential to follow the relevant operating and assembly instructions and to adhere to the latest standards and regulations for general mechanical engineering. Make sure to use up-to-date versions at all times.

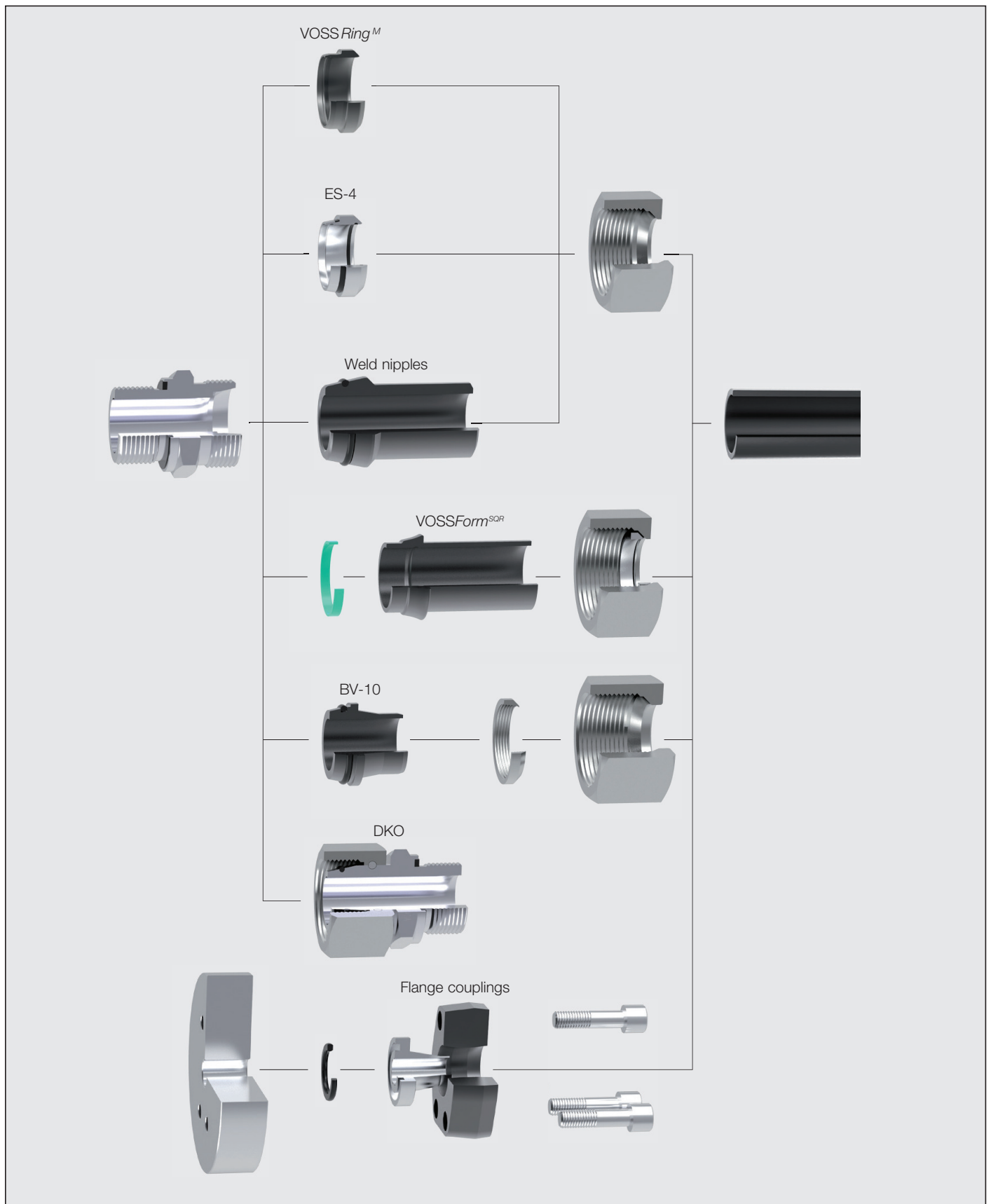
Subject to errors, including printing errors, and technical modifications.

This catalog edition supersedes all previously published technical documents, catalogs, assembly instructions etc.

All preceding documents therefore become invalid with immediate effect.

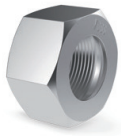
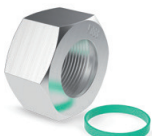
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The right connections for all applications



The complete range of VOSS couplings

Tube connecting parts

VOSS Ring^M  P. 60 24-VRM-...	ES-4 cutting rings  P. 62 24-ES4-...	2SVA cutting rings  P. 61 24-2S-...-SST	ES-4VA cutting rings  P. 62 24-ES4-...-SST	Union nuts  P. 64 24-N-...	SQR-Function nuts and seals  P. 66 24-SQRNMS-...
BV-10 Flared cones  P. 68 24-BV10C-...	BV-10 Clamping rings  P. 70 24-BV10R-...	BV-10 Union nuts  P. 71 24-BV10N-...	24/37° adapter rings  P. 76 24-24/37A0-...	24/37° support sleeves  P. 77 24-24/37R-...	24/37° union nuts  P. 78 24-24/37N-...

Male stud connectors

metric/imperial, sealing ring  P. 82 24-SDS-...	metric/imperial, parallel, seal edge  P. 86 24-SDS-...	metric/imperial/NPT tapered  P. 92 24-SDS-...	metric/imperial, parallel, PEFLEX  P. 97 24-SDS-...	UN/UNF, O-ring  P. 103 24-SDS-...	metric, parallel, ISO 6149, O-Ring  P. 106 24-SDS-...
Elbow, metric/imperial, tapered  P. 108 24-SDE-...	L, metric/imperial, tapered  P. 112 24-SDL-...	T, metric/imperial, tapered  P. 114 24-SDT-...			

Unions

Straight  P. 118 24-S-...	Reducing couplings  P. 119 24-S-...-...	Elbow  P. 121 24-E-...	T  P. 122 24-T-...	T-Reduction  P. 123 24-T-...-...-...	Cross  P. 126 24-K-...
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Bulkhead unions

Straight  P. 128 24-BHSLN-...	Elbow  P. 129 24-BHELN-...	imperial, parallel, PEFLEX  P. 130 24-BHSDSLN-...
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Banjo and rotary couplings

metric/imperial parallel, Standard design  P. 132 24-BSE-...	metric/imperial, parallel, Low-restrictive design  P. 136 24-BEE-...	metric/imperial, parallel, high pressure  P. 140 24-BCE-...	metric/imperial, parallel, high pressure  P. 144 24-BCT-...	metric/imperial, parallel, rotary coupling  P. 146 24-RCE-...
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Adjustable couplings with tube socket

Elbow  P. 150 24-SWE-...	T  P. 151 24-SWT-...	L  P. 152 24-SWL-...	Stud standpipe adapters, metric/imperial, parallel, seal edge  P. 153 24-SWSDS-...	Stud standpipe adapters, metric/imperial, parallel, PEFLEX  P. 156 24-SWSDS-...	Stud standpipe adapters, NPT  P. 155 24-SWSDS-...
Reducing inserts  P. 158 24-SWS-...-...					

Adjustable stud connectors with locknut

Elbow, metric/imperial, parallel  P. 184 24-SDAE-...	Elbow, metric, parallel, ISO 6149, O-ring  P. 186 24-SDAE-...	45°, metric, parallel, ISO 6149, O-ring  P. 187 24-SDAE45-...	L, metric, parallel, ISO 6149, O-ring  P. 188 24-SDAL-...	T, metric, parallel, ISO 6149, O-ring  P. 189 24-SDAT-...
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24° taper couplings (DKO)

Straight, DKO  P. 164 24-SW2OS-...	Elbow, DKO  P. 170 24-SWOE-...	45°, DKO  P. 171 24-SWOE45-...	T, DKO  P. 172 24-SWOT-...	L, DKO  P. 173 24-SWOL-...	Union crosses, DKO  P. 169 24-SWDK-...
Stud standpipe adapters, DKO, metric/imperial, parallel, PEFLEX  P. 174 24-SWOSDS-...	Stud standpipe adapters, metric, parallel, ISO 6149, O-Ring  P. 177 24-SWOSDS-...	Reducing couplings, DKO  P. 178 24-SWOS-...-...			

Weld connectors

Straight welding bosses  P. 192 24-WDS-...	Welding bulkhead couplings  P. 193 24-WDBHS-...	Welding nipples with O-ring seal  P. 194 24-WDNPSO-...
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Female and gauge connectors

Straight female stud couplings, metric/imperial  P. 198 24-S-...	Gauge couplings, standard couplings  P. 201 24-PGS-...	Gauge couplings, male version  P. 202 24-SWPGS-...	Gauge couplings, DKO  P. 203 24-SWOPGS-...
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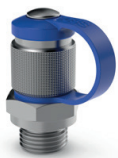
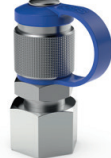
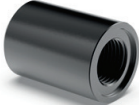
Double nipple

imperial, parallel, PEFLEX  P. 204 GP-SD2S-...

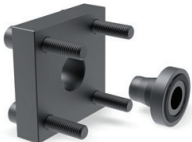
Component parts and accessories for couplings

Thread reducing couplings, straight  P. 206 GP-SDS-...	Blanking screws  P. 211 GP-PLIH-...	Blanking plugs  P. 214 24-PLOC-...	Tube blanking screws  P. 217 24-TBS-...	Reinforcing sleeves  P. 219 24-RS-...	Sealing rings  P. 224 GP-...
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VOSSPoint^{DC} measuring couplings M16x2

Measuring couplings  P. 252 DC-SDS-...	Union tees  P. 253 DC/24-T-...	24° taper connection (DKO)  P. 254 DC/24-SWOS-...	Bulkhead unions  P. 256 DC/24-BHS-...	Gauge connections  P. 259 DC/24-PGBHSLN-...	Hose connectors  P. 260 DC-S-...
Measuring equipment hoses  P. 261 DC-TH6-...	Threaded studs  P. 262 DC-SDS-...	Weld connectors  P. 263 DC-WDS-...			

Flange couplings

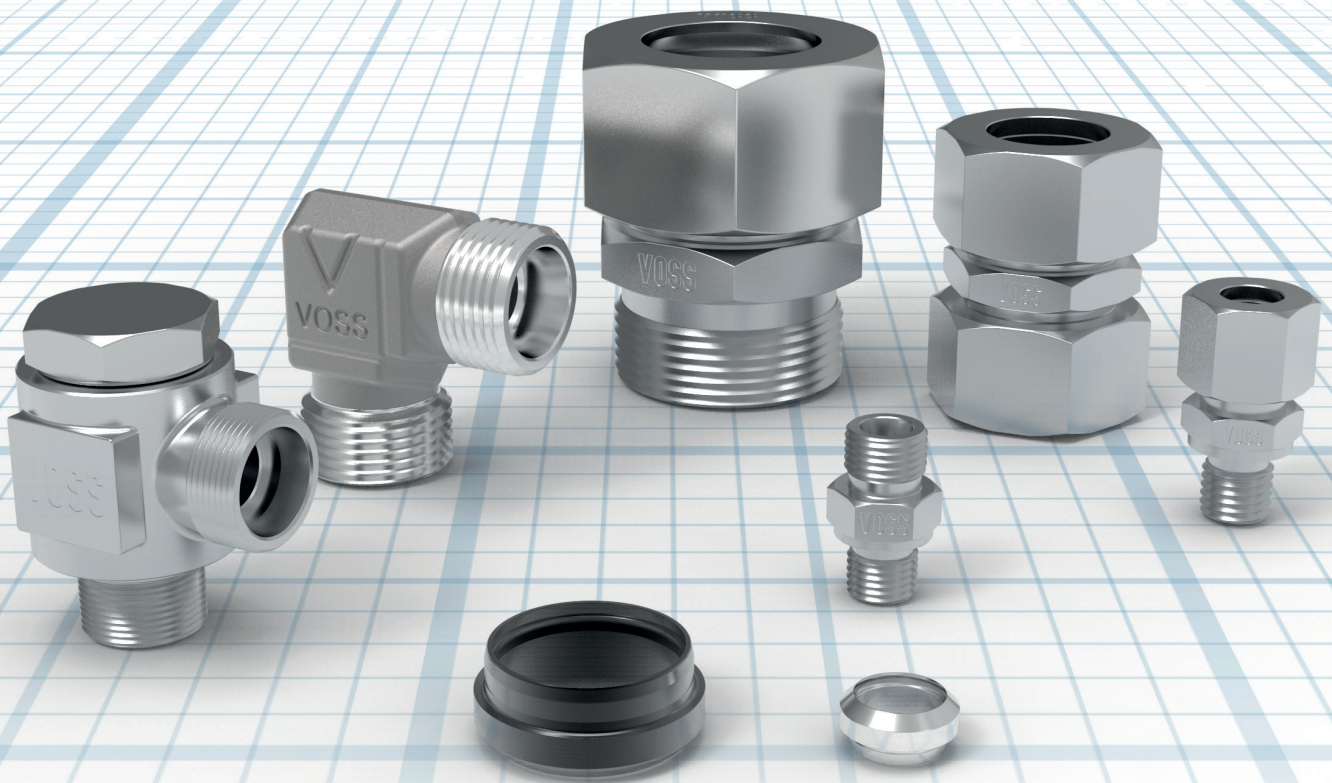
Straight, square  P. 280 F/24-QFFSO-...	Elbow, square  P. 281 F/24-QFFEO-...	Straight, SAE  P. 284 F/24-FASO-...	Elbow, SAE  P. 286 F/24-FAEO-...	ZAKO tube-to-port flange couplings, SAE, 3000/6000 psi  P. 304 Z-TPO-...	ZAKO tube-to-tube flange couplings, SAE, 3000/6000 psi  P. 308 Z-TTO-...
ZAKO tube-to-port flange couplings, square  P. 312 Z-TPO-...-HC-...	ZAKO tube-to-tube flange couplings, square  P. 314 Z-TTO-...-HC-...				

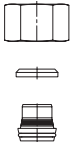
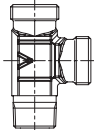
Hydraulic-Valves

Non-return valves tube coupling on both ends  P. 339 24-VNRO-...	Non-return valves female thread  P. 340 GP-VNROI-...	Non-return valves screw in thread  P. 342 24-VNROPT-...	Non-return valves screw in thread  P. 344 24-VNROTP-...	Non-return valves plug-in cartridges  P. 351 GP-VNRCO-...	Shuttle valves ball seat/soft sealing  S. 353 24-VST-...
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Tube connection parts, 24° coupling program and individual parts / Accessories

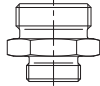
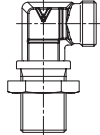
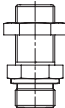
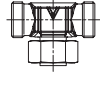
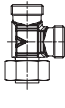
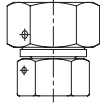
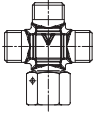
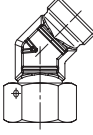
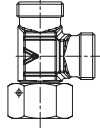
The complete program acc. to ISO 8434

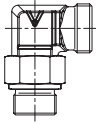
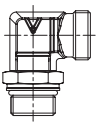
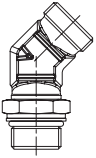
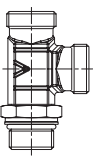
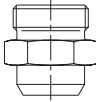
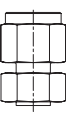


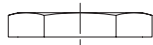
Content	Type/Page
The new product designations of VOSS products	P.52
Cutting rings	VRM 2SVA ES4
	  
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DIN union nuts	N
	
	P.64
VOSS <i>Form^{SQR}</i> function nuts	SQRNMS
	
	P.66
BV-10 tube connecting parts	BV10CO BV10R BV10N BV10SO
	   
	P.68 P.70 P.71 P.72
Flared connecting parts	24/37AO 24/37R 24/37N 24/37SO
	   
	P.76 P.77 P.78 P.79
Male stud connectors	SDS SDE SDL SDT
	   
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Content

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	K				
					
	P.126				
Bulkhead unions	BHSLN	BHELN	BHSDSLN		
					
	P.128	P.129	P.130		
Banjo and rotary couplings	BSE	BEE	BCE	BCT	RCE
					
	P.132	P.136	P.140	P.144	P.146
Adjustable couplings with tube socket	SWE	SWT	SWL	SWSDS	SWS
					
	P.150	P.151	P.152	P.153	P.158
24° taper couplings (DKO)	SW2OS	SW2OS	SWOK	SWOE	SWOE45
					
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	SWOT	SWOL	SWOSDS	SWOS	SWOS
					
	P.172	P.173	P.174	P.178	P.182

Content	Type/Page				
Adjustable stud connectors with locknut	SDAE	SDAE	SDAE45	SDAL	SDAT
					
	P.184	P.186	P.187	P.188	P.189
Weld connectors	WDS	WDBHS	WDNPSO		
					
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Female and gauge connectors	S	PGS	SWPGS	SWOPGS	
					
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Double nipple	SD2S				
					
	P.204				
Thread reducing couplings	SDS				
					
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Straight adapters ISO 6149/DIN 3852	SDS				
					
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Blanking plugs for ports	PLIH / PLEH				
					
	P.211				

Content	Type/Page				
Blanking plugs / tube blanking screws	PLB	PLO / PLOC	TBS		
					
	P.214	P.215	P.217		
Hexagonal nuts	LN				
					
	P.218				
Reinforcing sleeves	RS				
					
	P.219				
Sealing rings	ES4MS	SR	OR (banjo c.)	PEFLEX	SR
					
	P.224	P.225	P.226	P.228	P.233
	OR (DKO/BV-10)	OR (flange c.)	SQRMS	OR (24/37°)	
					
	P.234	P.237	P.238	P.240	

The new designations of VOSS products



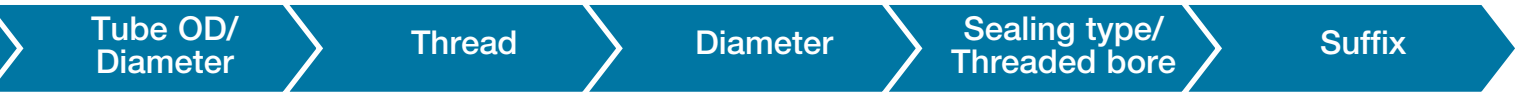
This catalog contains a new, alphanumerical product designation system based to a large extent on ISO 8434. This makes the designation self-explanatory and facilitates identification of the products. Since the structure is based on English, the designation is understood internationally.

Furthermore, the new product designations make it possible to generate customized special solutions by combining variations of the existing VOSS product program.

Example: 24-SDSC-L18-M22E-ES4

	24	-	SD	S	C	-	L
System							
24° DIN program							
The "system" characteristic describes the product line.							
Function/Component							
Stud coupling							
The "function/component" characteristic describes the product type.							
Form							
Straight							
Details on component shape.							
Completion							
Complete connection (with tube connecting system)							
This characteristic identifies the components (e. g. hexagonal nut, union nut and cutting ring, O-ring ...) that can be used to complete the product type. Complete couplings are supplied with VOSS <i>Ring^M</i> cutting rings by default, other connection systems are listed in the "Suffix" characteristics.							
Series/Thread							
Light series							
Determines the series.							

Straight male stud coupling; size L18 with metric fine thread M22x1.5, cylindrical; completed with "PEFLEX" profile ring seal and ES-4 cutting ring and union nut.



Examples of how to order items, as well as additional explanations and variation options are given in the respective chapters and in the following pages for the individual product groups.

18 - M 22 E - ES4

Suffix 5

ES-4 cutting ring

Deviations from the default characteristics (e. g. seal materials, completion using different cutting-ring systems, flared coupling parts, special dimensions ...)

Sealing type/Threaded bore

Elastomeric sealing

Type of seal for the connecting thread.

Diameter

22 mm

States the nominal thread size (pitch is not stated for metric and imperial thread sizes).

Thread

Metric

Identifies the type of thread.

Tube OD/Diameter

OD in L series

States the outer diameter of the tube.

	System
24	24° DIN program
GP	General program (components and accessories, applicable in different connecting systems)

	Function
	Component 37°
24/37A	24/37° adapter
24/37N	24/37° nuts
24/37R	24/37° rings
24/37S	24/37° sets
	Cutting rings
1S	1S Cutting rings
VRM	VOSS <i>Ring^M</i> Cutting rings
ES4	ES-4 Cutting rings
ES4MS	ES-4 Moulded seals
ES4OR	ES-4 O-rings
	BV-10
BV10C	BV-10 Cones
BV10N	BV-10 Union nuts
BV10R	BV-10 Clamping rings
BV10S	BV-10 Sets
	Plugs
PLB	Plugs, metal-to-metal sealing
PLO	Plugs with O-rings
	Sealings
OR	O-rings
PEFLEX	PEFLEX sealing rings
SR	Sealing rings
	Sleeves
RS	Reinforcing sleeves
	Screws
PLEH	Plug screws with external hex
PLIH	Plug screws with internal hex
TBS	Tube blanking screws
	VOSSForm^{SQR}
SQRMS	SQR Moulded seals
SQRN	SQR-function nut without moulded seal
	Banjo couplings
BE	Banjo couplings, eccentric design
BC	Banjo couplings, compact design
BS	Banjo couplings, standard design

System	Function/ Component	Form	Completion	Series/ Thread	Tube OD/ Diameter	Thread	Diameter	Sealing type/ Threaded bore	Suffix
--------	------------------------	------	------------	-------------------	----------------------	--------	----------	--------------------------------	--------

	Diagnostic couplings
PG	Pressure gauges
	Swivel couplings
SW	Swivel couplings with cutting ring and nut
SWO	Swivel with O-ring
SWOPG	Swivel with O-ring with pressure gauges
SWOSD	Swivel studs with O-ring
SWPG	Swivel pressure gauges
SWSD	Swivel stud with cutting ring and nut
SW2O	2-sided swivels with O-ring
	Weld-on/Weld-in couplings
WDBH	Weld-in bulkhead couplings
WDNP	Welded nipples
WD	Weld-on couplings
	Others
BH	Bulkhead couplings
LN	Locknuts
N	Union nuts
RC	Rotary couplings
SD	Stud couplings
SDA	Stud couplings adjustable

	Form
E	Elbow
E45	45° elbow
K	Cross
L	L
S	Straight
T	Tee

	Completion
C	Complete connection (with tube connecting system)
LN	Locknut
LNC	Complete connection with locknuts
MS	Moulded sealing SQR
O	O-ring enclosed
X	Tube socket not pre-assembled / only body
XC	Complete connection at tube side, tube socket not pre-assembled

Series/Thread	
Series	
LL	Extra light series
L	Light series
S	Heavy series
L/S	Light and heavy series are identical
Thread	
M	Metric
G	Whitworth parallel
R	Whitworth tapered
U	UNF
N	NPT
IM	Internal thread, metric
IG	Internal thread, Whitworth parallel

Tube OD/Diameter	
6	6 mm
8	8 mm
10	10 mm
12	12 mm
14	14 mm
15	15 mm
16	16 mm
18	18 mm
20	20 mm
22	22 mm
25	25 mm
28	28 mm
30	30 mm
35	35 mm
38	38 mm
42	42 mm

Sealing type/Threaded bore	
A	Metal-to-metal flat face sealing
B	Metal-to-metal sealing shoulder
E	Elastomeric sealing
F	O-ring sealing
T	Tapered

System	Function/ Component	Form	Completion	Series/ Thread	Tube OD/ Diameter	Thread	Diameter	Sealing type/ Threaded bore	Suffix
--------	------------------------	------	------------	-------------------	----------------------	--------	----------	--------------------------------	--------

Suffix overview

Suffix 4	Sealing material
Suffix 5	Completion
Suffix 6	Differing dimension
Suffix 7	Material/Strength
Suffix 8	Coating
Suffix 11	Customized product

Suffixes not referred to here are not relevant to this chapter.

Note: For articles having more than one relevant suffix, these are listed in numerical order in the sales designation.

Suffix 4	Sealing material
EPDM80	EPDM 70-80
EPDM85	EPDM 85
FKM70	FKM 70
FKM80	FKM 80
FKM90	FKM 90
NBR80	NBR 70-80
NBR85	NBR 85
NBR90	NBR 90

Suffix 5	Completion
1S	1S Cutting ring
ES4	ES-4 Cutting ring
BV10	BV-10 Set
24/37	24/37° Set

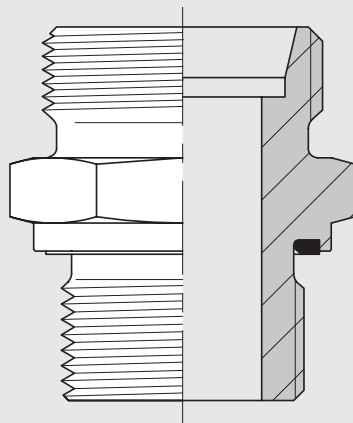
Suffix 6	Differing dimension
	Height
H2,5	Height 2.5 mm
...	...
	Length
LG17	Length 17 mm
...	...
	Wrench size
WS19	Wrench size 19 mm
...	...
	Others
P	Profile material

Suffix 7	Material/Strength
ST	Steel (Standard is not listed)
SST	Stainless Steel
BS	Brass



Suffix 8	Coating
C00	Steel, blank, washed and oiled, production stage
C10	Steel, phosphated and oiled
C21	Zinc-nickel transparent passivated, sealed and lubricated
C62	Stainless steel, hardened
Suffix 11	Customized product
CP1	Differing to VOSS standard
CP2	Differing to VOSS standard
CP12	Differing to VOSS standard

Male stud connectors



Male stud connectors

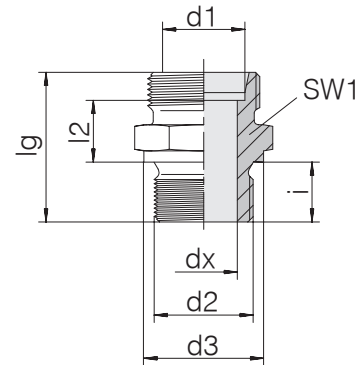
Male thread: Metric fine thread, cylindrical

Threaded stud: DIN 3852-1 Form A

Sealing type: Sealing ring

Sealing material: e.g. copper sealing ring

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d3	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
d1														
L	6	M 10 x 1	PN 250	14	4	23.5	8.5	14	8	20	1.4	0707002000	24-SDS-L6-M10A	¹⁾
L	6	M 12 x 1.5	PN 250	17	4	27	10	17	12	30	2.4	0785172000	24-SDS-L6-M12A	
L	8	M 10 x 1	PN 250	14	4	24.5	9.5	17	8	20	1.9	0707062000	24-SDS-L8-M10A	
L	8	M 12 x 1.5	PN 250	17	6	29	10	17	12	30	2.2	0707052000	24-SDS-L8-M12A	¹⁾
L	8	M 16 x 1.5	PN 250	21	6	30.5	11.5	22	12	90	4.3	0707082000	24-SDS-L8-M16A	
L	8	M 18 x 1.5	PN 250	23	6	30.5	11.5	24	12	100	5.2	0707092000	24-SDS-L8-M18A	
L	10	M 14 x 1.5	PN 250	19	7	30	11	19	12	50	3.0	0707102000	24-SDS-L10-M14A	¹⁾
L	10	M 16 x 1.5	PN 250	21	7	31.5	12.5	22	12	90	4.3	0707122000	24-SDS-L10-M16A	
L	10	M 18 x 1.5	PN 250	23	8	31.5	12.5	24	12	100	5.0	0707132000	24-SDS-L10-M18A	
L	12	M 12 x 1.5	PN 250	17	5	31.5	12.5	19	12	30	3.1	0707192000	24-SDS-L12-M12A	
L	12	M 14 x 1.5	PN 250	19	7	31.5	12.5	19	12	50	3.4	0707162000	24-SDS-L12-M14A	
L	12	M 16 x 1.5	PN 250	21	9	31.5	12.5	22	12	90	4.0	0707152000	24-SDS-L12-M16A	¹⁾
L	12	M 18 x 1.5	PN 250	23	10	31.5	12.5	24	12	100	4.7	0707172000	24-SDS-L12-M18A	
L	12	M 22 x 1.5	PN 200	27	9	35	14	27	14	110	8.1	0707182000	24-SDS-L12-M22A	
L	15	M 14 x 1.5	PN 250	19	7	32	13	24	12	50	4.7	0707242000	24-SDS-L15-M14A	
L	15	M 16 x 1.5	PN 250	21	9	32.5	13.5	22	12	90	4.7	0707212000	24-SDS-L15-M16A	
L	15	M 18 x 1.5	PN 250	23	11	32.5	13.5	24	12	100	5.2	0707202000	24-SDS-L15-M18A	¹⁾
L	15	M 22 x 1.5	PN 200	27	12	36	15	27	14	110	7.7	0707222000	24-SDS-L15-M22A	
L	15	M 26 x 1.5	PN 125	31	12	38	15	32	16	130	11.7	0799922000	24-SDS-L15-M26A	
L	18	M 18 x 1.5	PN 250	23	11	32.5	13	27	12	100	6.3	0707262000	24-SDS-L18-M18A	
L	18	M 22 x 1.5	PN 200	27	14	36	14.5	27	14	110	7.6	0707252000	24-SDS-L18-M22A	¹⁾
L	18	M 26 x 1.5	PN 125	31	15	38	14.5	32	16	130	11.0	0707272000	24-SDS-L18-M26A	
L	22	M 18 x 1.5	PN 250	23	11	36	16.5	32	12	100	8.7	0707332000	24-SDS-L22-M18A	
L	22	M 22 x 1.5	PN 200	27	14	38.5	17	32	14	110	9.7	0707312000	24-SDS-L22-M22A	
L	22	M 26 x 1.5	PN 125	31	18	40	16.5	32	16	130	10.3	0707302000	24-SDS-L22-M26A	¹⁾
L	22	M 27 x 2	PN 125	32	18	45	21.5	32	16	150	12.9	0707342000	24-SDS-L22-M27A	
L	28	M 22 x 1.5	PN 200	27	14	39	17.5	41	14	110	13.5	0707382000	24-SDS-L28-M22A	
L	28	M 26 x 1.5	PN 125	31	18	43	19.5	41	16	130	16.1	0707362000	24-SDS-L28-M26A	
L	28	M 33 x 2	PN 125	39	23	43	17.5	41	18	350	16.9	0707352000	24-SDS-L28-M33A	¹⁾
L	35	M 42 x 2	PN 125	49	30	48	17.5	50	20	550	28.4	0707402000	24-SDS-L35-M42A	¹⁾

¹⁾ Standard size

Threaded stud in acc. with DIN 3852-1 Form A are approved for use for gas supply in accordance with DIN 3387-1.

Example for comp.:
GE06LMAX

Continued on following page



Male stud connectors

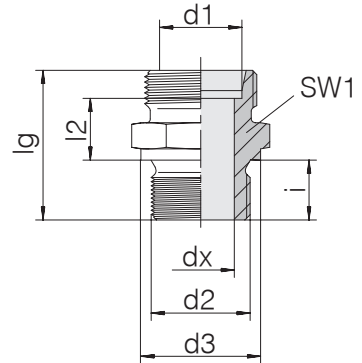
Male thread: Metric fine thread, cylindrical

Threaded stud: DIN 3852-1 Form A

Sealing type: Sealing ring

Sealing material: e.g. copper sealing ring

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d3	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
d1														
S	6	M 12 x 1.5	PN 250	17	4	32	13	17	12	30	3.0	0707502000	24-SDS-S6-M12A	1)
S	8	M 14 x 1.5	PN 250	19	5	34	15	19	12	50	4.3	0707552000	24-SDS-S8-M14A	1)
S	12	M 18 x 1.5	PN 250	23	8	36.5	17	24	12	100	7.2	0707652000	24-SDS-S12-M18A	1)
S	16	M 18 x 1.5	PN 250	23	9	38.5	18	24	12	100	7.6	0707782000	24-SDS-S16-M18A-ID9	

¹⁾ Standard size

Male stud connectors

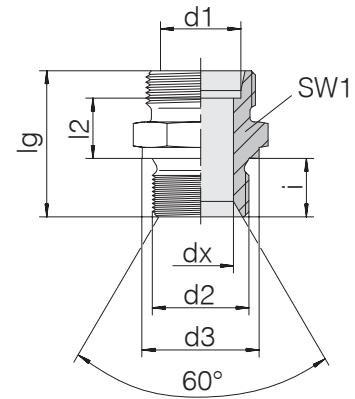
Male thread: BSPP thread, cylindrical

Threaded stud: DIN 3852-2 Form A

Sealing type: Sealing ring

Sealing material: e.g. copper sealing ring

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d3	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
d1														
L	6	G 1/8 A	PN 250	14	4	23.5	8.5	14	8	20	1.4	0708002000	24-SDS-L6-G1/8A-CH60	¹⁾
L	6	G 1/4 A	PN 250	18	4	28	9	19	12	45	2.5	0708022000	24-SDS-L6-G1/4A-CH60	
L	6	G 3/8 A	PN 250	22	4	30.5	11.5	22	12	80	4.2	0708032000	24-SDS-L6-G3/8A-CH60	
L	8	G 1/8 A	PN 250	14	4	24.5	9.5	17	8	20	1.8	0708062000	24-SDS-L8-G1/8A-CH60	
L	8	G 1/4 A	PN 250	18	6	29	10	19	12	45	2.7	0708052000	24-SDS-L8-G1/4A-CH60	¹⁾
L	8	G 3/8 A	PN 250	22	6	30.5	11.5	22	12	80	4.2	0708072000	24-SDS-L8-G3/8A-CH60	
L	10	G 1/4 A	PN 250	18	7	30	11	19	12	45	2.7	0708102000	24-SDS-L10-G1/4A-CH60	¹⁾
L	10	G 3/8 A	PN 250	22	7	31.5	12.5	22	12	80	4.3	0708122000	24-SDS-L10-G3/8A-CH60	
L	10	G 1/2 A	PN 160	26	7	34	13	27	14	90	6.8	0708132000	24-SDS-L10-G1/2A-CH60	
L	12	G 1/4 A	PN 250	18	7	31	12	19	12	45	3.1	0708162000	24-SDS-L12-G1/4A-CH60	
L	12	G 3/8 A	PN 250	22	9	31.5	12.5	22	12	80	4.6	0708152000	24-SDS-L12-G3/8A-CH60	¹⁾
L	12	G 1/2 A	PN 160	26	9	34	13	27	14	90	6.7	0708172000	24-SDS-L12-G1/2A-CH60	
L	15	G 3/8 A	PN 250	22	9	32.5	13.5	24	12	80	5.1	0708212000	24-SDS-L15-G3/8A-CH60	
L	15	G 1/2 A	PN 160	26	11	35	14	27	14	90	7.7	0708202000	24-SDS-L15-G1/2A-CH60	¹⁾
L	15	G 3/4 A	PN 160	32	12	38	15	32	16	220	11.2	0708222000	24-SDS-L15-G3/4A-CH60	
L	18	G 3/8 A	PN 250	22	9	33.5	14	27	12	80	6.6	0708262000	24-SDS-L18-G3/8A-CH60	
L	18	G 1/2 A	PN 160	26	14	36	14.5	27	14	90	7.1	0708252000	24-SDS-L18-G1/2A-CH60	¹⁾
L	18	G 3/4 A	PN 160	32	15	38	14.5	32	16	220	10.6	0708272000	24-SDS-L18-G3/4A-CH60	
L	22	G 1/2 A	PN 160	26	14	38	16.5	32	14	90	8.8	0708312000	24-SDS-L22-G1/2A-CH60	
L	22	G 3/4 A	PN 160	32	18	40	16.5	32	16	220	10.2	0708302000	24-SDS-L22-G3/4A-CH60	¹⁾
L	22	G 1 A	PN 160	39	19	42	16.5	41	18	350	16.7	0708322000	24-SDS-L22-G1A-CH60	
L	28	G 1/2 A	PN 160	26	14	39	17.5	41	14	90	13.2	0708382000	24-SDS-L28-G1/2A-CH60	
L	28	G 3/4 A	PN 160	32	18	43	19.5	41	16	220	16.2	0708362000	24-SDS-L28-G3/4A-CH60	
L	28	G 1 A	PN 160	39	23	43	17.5	41	18	350	16.7	0708352000	24-SDS-L28-G1A-CH60	¹⁾
L	35	G 1 1/4 A	PN 125	49	30	48	17.5	50	20	400	27.2	0708402000	24-SDS-L35-G11/4A-CH60	¹⁾
L	42	G 1 1/4 A	PN 125	49	30	50	19	55	20	400	33.4	0708462000	24-SDS-L42-G11/4A-CH60	
L	42	G 1 1/2 A	PN 125	55	36	52	19	55	22	700	34.5	0708452000	24-SDS-L42-G11/2A-CH60	¹⁾

¹⁾ Standard size

Threaded stud in acc. with DIN 3852-2 Form A are approved for use for gas supply in accordance with DIN 3387-1.

Example for comp.: GE06LR4

Continued on following page



Male stud connectors

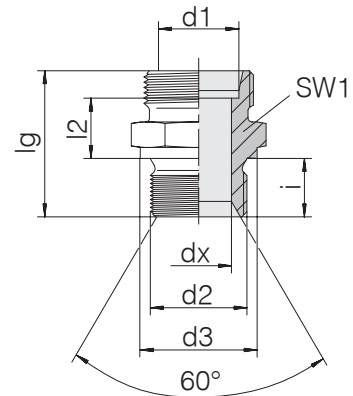
Male thread: BSPP thread, cylindrical

Threaded stud: DIN 3852-2 Form A

Sealing type: Sealing ring

Sealing material: e.g. copper sealing ring

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d3	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
S	6	G 1/8 A	PN 250	14	4	27.5	12.5	17	8	20	2.4	0708512000	24-SDS-S6-G1/8A-ID4/CH60
S	6	G 1/4 A	PN 250	18	4	32	13	19	12	45	3.4	0708502000	24-SDS-S6-G1/4A-CH60 ¹⁾
S	8	G 1/8 A	PN 250	14	4	29.5	14.5	17	8	20	3.0	0708562000	24-SDS-S8-G1/8A-ID4/CH60
S	8	G 1/4 A	PN 250	18	5	34	15	19	12	45	4.1	0708552000	24-SDS-S8-G1/4A-CH60 ¹⁾
S	8	G 3/8 A	PN 250	22	5	34.5	15.5	22	12	80	5.5	0708572000	24-SDS-S8-G3/8A-CH60
S	10	G 1/4 A	PN 250	18	5	34	14.5	19	12	45	4.1	0708612000	24-SDS-S10-G1/4A-CH60
S	10	G 3/8 A	PN 250	22	7	34.5	15	22	12	80	5.5	0708602000	24-SDS-S10-G3/8A-CH60 ¹⁾
S	10	G 1/2 A	PN 160	26	7	39	17.5	27	14	90	9.2	0708622000	24-SDS-S10-G1/2A-CH60
S	12	G 1/4 A	PN 250	18	5	36	16.5	22	12	45	5.7	0708662000	24-SDS-S12-G1/4A-CH60
S	12	G 3/8 A	PN 250	22	8	36.5	17	22	12	80	6.1	0708652000	24-SDS-S12-G3/8A-CH60 ¹⁾
S	12	G 1/2 A	PN 160	26	8	39	17.5	27	14	90	9.3	0708672000	24-SDS-S12-G1/2A-CH60
S	14	G 1/2 A	PN 160	26	10	41	19	27	14	90	9.4	0708702000	24-SDS-S14-G1/2A-CH60 ¹⁾
S	16	G 3/8 A	PN 250	22	9	39	18.5	24	12	80	7.4	0708762000	24-SDS-S16-G3/8A-CH60
S	16	G 1/2 A	PN 160	26	12	41	18.5	27	14	90	9.0	0708752000	24-SDS-S16-G1/2A-CH60 ¹⁾
S	16	G 3/4 A	PN 160	32	12	45	20.5	32	16	220	14.9	0708772000	24-SDS-S16-G3/4A-CH60
S	16	G 1 A	PN 160	39	12	49	22.5	41	18	350	23.1	0708782000	24-SDS-S16-G1A-CH60
S	20	G 1/2 A	PN 160	26	12	45	20.5	32	14	90	13.3	0708812000	24-SDS-S20-G1/2A-CH60
S	20	G 3/4 A	PN 160	32	16	47	20.5	32	16	220	16.3	0708802000	24-SDS-S20-G3/4A-CH60 ¹⁾
S	20	G 1 A	PN 160	39	16	51	22.5	41	18	350	24.3	0708822000	24-SDS-S20-G1A-CH60
S	25	G 3/4 A	PN 160	32	16	51	23	41	16	220	23.6	0708862000	24-SDS-S25-G3/4A-CH60
S	25	G 1 A	PN 160	39	20	53	23	41	18	350	25.7	0708852000	24-SDS-S25-G1A-CH60 ¹⁾
S	30	G 3/4 A	PN 160	32	16	53	23.5	46	16	220	29.6	0708932000	24-SDS-S30-G3/4A-CH60
S	30	G 1 A	PN 160	39	20	55	23.5	46	18	350	31.9	0708912000	24-SDS-S30-G1A-CH60
S	30	G 1 1/4 A	PN 125	49	25	57	23.5	50	20	400	40.3	0708902000	24-SDS-S30-G11/4A-CH60 ¹⁾
S	38	G 1 A	PN 160	39	20	60	26	55	18	350	49.4	0708982000	24-SDS-S38-G1A-CH60
S	38	G 1 1/4 A	PN 125	49	25	62	26	55	20	400	53.9	0708962000	24-SDS-S38-G11/4A-CH60
S	38	G 1 1/2 A	PN 125	55	32	64	26	55	22	700	55.0	0708952000	24-SDS-S38-G11/2A-CH60 ¹⁾

¹⁾ Standard size

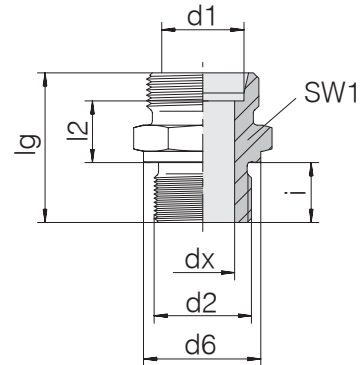
Male stud connectors

Male thread: Metric fine thread, cylindrical

Threaded stud: DIN 3852-1/ISO 9974-3 Form B

Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	6	M 8 x 1	PN 100	12	3	23.5	8.5	12	8	14	1.1	0709012000	24-SDS-L6-M8B
L	6	M 10 x 1	PN 400	14	4	23.5	8.5	14	8	25	1.4	0709002000	24-SDS-L6-M10B ¹⁾
L	6	M 12 x 1.5	PN 400	17	4	27	10	17	10	35	2.2	709022000	24-SDS-L6-M12B-TL10
L	6	M 14 x 1.5	PN 400	19	4	29	11	19	11	55	3.2	0709032000	24-SDS-L6-M14B
L	6	M 16 x 1.5	PN 400	21	4	30.5	11.5	22	12	80	3.6	0709042000	24-SDS-L6-M16B
L	8	M 10 x 1	PN 400	14	4	24.5	9.5	17	8	25	1.9	0709062000	24-SDS-L8-M10B
L	8	M 12 x 1.5	PN 400	17	6	29	10	17	12	35	2.2	0709052000	24-SDS-L8-M12B ¹⁾
L	8	M 14 x 1.5	PN 400	19	6	29	10	19	12	55	2.9	0709072000	24-SDS-L8-M14B
L	8	M 16 x 1.5	PN 400	21	6	30.5	11.5	22	12	80	4.2	0709082000	24-SDS-L8-M16B
L	8	M 18 x 1.5	PN 400	23	6	30.5	11.5	24	12	100	5.2	0709092000	24-SDS-L8-M18B
L	8	M 22 x 1.5	PN 400	27	6	31	10	27	14	170	6.9	1709132000	24-SDS-L8-M22B
L	10	M 10 x 1	PN 400	14	4	25.5	10.5	17	8	25	2.1	0709142000	24-SDS-L10-M10B
L	10	M 12 x 1.5	PN 400	17	6	30	11	17	12	35	2.5	0709112000	24-SDS-L10-M12B
L	10	M 14 x 1.5	PN 400	19	7	30	11	19	12	55	3.0	0709102000	24-SDS-L10-M14B ¹⁾
L	10	M 16 x 1.5	PN 400	21	7	31.5	12.5	22	12	80	4.2	0709122000	24-SDS-L10-M16B
L	10	M 18 x 1.5	PN 400	23	7	31.5	12.5	24	12	100	5.2	0709132000	24-SDS-L10-M18B
L	10	M 22 x 1.5	PN 400	27	8	35	14	27	14	170	8.1	1709142000	24-SDS-L10-M22B
L	12	M 12 x 1.5	PN 400	17	6	31.5	12.5	19	12	35	3.0	1709162000	24-SDS-L12-M12B
L	12	M 14 x 1.5	PN 400	19	7	31.5	12.5	19	12	55	3.4	0709162000	24-SDS-L12-M14B
L	12	M 16 x 1.5	PN 400	21	9	31.5	12.5	22	12	80	4.0	0709152000	24-SDS-L12-M16B ¹⁾
L	12	M 18 x 1.5	PN 400	23	9	31.5	12.5	24	12	100	4.5	0709172000	24-SDS-L12-M18B
L	12	M 22 x 1.5	PN 400	27	10	35	14	27	14	170	7.8	0709182000	24-SDS-L12-M22B
L	15	M 16 x 1.5	PN 400	21	9	32	13	24	12	80	4.8	0709212000	24-SDS-L15-M16B
L	15	M 18 x 1.5	PN 400	23	11	32.5	13.5	24	12	100	5.1	0709202000	24-SDS-L15-M18B ¹⁾
L	15	M 22 x 1.5	PN 400	27	12	36	15	27	14	170	7.8	0709222000	24-SDS-L15-M22B
L	15	M 26 x 1.5	PN 200	31	12	38	15	32	16	230	11.6	0785622000	24-SDS-L15-M26B
L	15	M 33 x 2	PN 200	39	12	41	16	41	18	400	16.5	0709242000	24-SDS-L15-M33B

¹⁾ Standard size

Example for comp. :
GE06LM8x1X
ISO 8434-1-SDS-L6xM8x1-B-St

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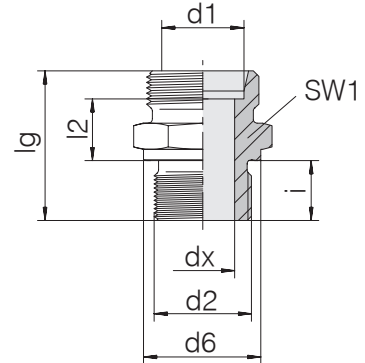
Male stud connectors

Male thread: Metric fine thread, cylindrical

Threaded stud: DIN 3852-1/ISO 9974-3 Form B

Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	18	M 16 x 1.5	PN 400	21	9	33	13.5	27	12	80	6.2	1709112000	24-SDS-L18-M16B
L	18	M 18 x 1.5	PN 400	23	11	33.5	14	27	12	100	6.6	0709262000	24-SDS-L18-M18B
L	18	M 22 x 1.5	PN 400	27	14	36	14.5	27	14	170	7.7	0709252000	24-SDS-L18-M22B ¹⁾
L	18	M 26 x 1.5	PN 200	31	15	38	14.5	32	16	230	10.8	0709272000	24-SDS-L18-M26B
L	18	M 33 x 2	PN 200	39	14	41	15.5	41	18	400	20.9	0709282000	24-SDS-L18-M33B
L	22	M 18 x 1.5	PN 200	23	11	36	16.5	32	12	100	8.7	0709332000	24-SDS-L22-M18B
L	22	M 22 x 1.5	PN 200	27	14	38	16.5	32	14	170	9.3	0709312000	24-SDS-L22-M22B
L	22	M 26 x 1.5	PN 200	31	18	40	16.5	32	16	230	10.1	0709302000	24-SDS-L22-M26B ¹⁾
L	22	M 33 x 2	PN 200	39	19	43	17.5	41	18	400	18.5	0709322000	24-SDS-L22-M33B
L	22	M 42 x 2	PN 200	49	18	51	23.5	50	20	700	43.0	1709122000	24-SDS-L22-M42B
L	28	M 26 x 1.5	PN 200	31	18	43	19.5	41	16	230	16.4	0709362000	24-SDS-L28-M26B
L	28	M 33 x 2	PN 200	39	23	43	17.5	41	18	400	16.7	0709352000	24-SDS-L28-M33B ¹⁾
L	35	M 26 x 1.5	PN 200	31	18	44	17.5	46	16	230	20.5	0709412000	24-SDS-L35-M26B
L	35	M 42 x 2	PN 200	49	30	48	17.5	50	20	700	27.8	0709402000	24-SDS-L35-M42B ¹⁾
L	42	M 42 x 2	PN 200	49	30	50	19	55	20	700	33.4	0709462000	24-SDS-L42-M42B
L	42	M 48 x 2	PN 200	55	36	52	19	55	22	900	35.4	0709452000	24-SDS-L42-M48B ¹⁾

¹⁾ Standard size

Continued on following page

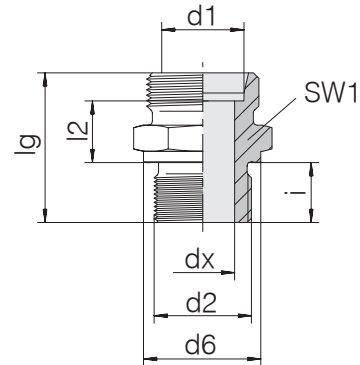
Male stud connectors

Male thread: Metric fine thread, cylindrical

Threaded stud: DIN 3852-1/ISO 9974-3 Form B

Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1



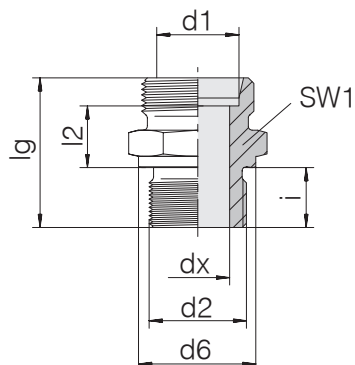
Series	Tube OD	d2	Pressure	d6	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
d1														
S	6	M 12 x 1.5	PN 630	17	4	32	13	17	12	60	3.1	0709502000	24-SDS-S6-M12B	1)
S	8	M 12 x 1.5	PN 630	17	4	34	15	17	12	60	3.6	0709562000	24-SDS-S8-M12B	
S	8	M 14 x 1.5	PN 630	19	5	34	15	19	12	90	4.3	0709552000	24-SDS-S8-M14B	1)
S	8	M 18 x 1.5	PN 630	23	5	36.5	17.5	24	12	190	6.9	0709592000	24-SDS-S8-M18B	
S	8	M 22 x 1.5	PN 630	27	5	39	18	27	14	300	11.0	0709572000	24-SDS-S8-M22B	
S	10	M 14 x 1.5	PN 630	19	5	34	14.5	19	12	90	4.4	0709612000	24-SDS-S10-M14B	
S	10	M 16 x 1.5	PN 630	21	7	34.5	15	22	12	120	5.4	0709602000	24-SDS-S10-M16B	1)
S	10	M 18 x 1.5	PN 630	23	7	36.5	17	24	12	190	7.1	0709622000	24-SDS-S10-M18B	
S	10	M 22 x 1.5	PN 630	27	7	39	17.5	27	14	300	11.0	0709632000	24-SDS-S10-M22B	
S	12	M 14 x 1.5	PN 630	19	5	36	16.5	22	12	90	5.9	1709102000	24-SDS-S12-M14B	
S	12	M 16 x 1.5	PN 630	21	8	36.5	17	22	12	120	6.0	0709662000	24-SDS-S12-M16B	
S	12	M 18 x 1.5	PN 630	23	8	36.5	17	24	12	190	7.1	0709652000	24-SDS-S12-M18B	1)
S	12	M 22 x 1.5	PN 630	27	8	39	17.5	27	14	300	10.3	0709682000	24-SDS-S12-M22B	
S	12	M 27 x 2	PN 630	32	8	43	19.5	32	16	420	13.6	0785532000	24-SDS-S12-M27B	
S	14	M 18 x 1.5	PN 630	23	8	39	19	24	12	190	7.9	0709712000	24-SDS-S14-M18B	
S	14	M 20 x 1.5	PN 630	25	10	41	19	27	14	280	9.2	0709702000	24-SDS-S14-M20B	1)
S	16	M 18 x 1.5	PN 630	23	8	38.5	18	24	12	190	7.8	0709792000	24-SDS-S16-M18B	
S	16	M 22 x 1.5	PN 630	27	12	41	18.5	27	14	300	9.7	0709752000	24-SDS-S16-M22B	1)
S	16	M 27 x 2	PN 400	32	12	45	20.5	32	16	420	15.8	0709772000	24-SDS-S16-M27B	
S	20	M 18 x 1.5	PN 400	23	8	40.5	18	32	12	190	11.8	0709842000	24-SDS-S20-M18B	
S	20	M 22 x 1.5	PN 400	27	12	45	20.5	32	14	300	14.2	0709812000	24-SDS-S20-M22B	
S	20	M 27 x 2	PN 400	32	16	47	20.5	32	16	420	15.3	0709802000	24-SDS-S20-M27B	1)
S	20	M 33 x 2	PN 400	39	16	51	22.5	41	18	600	25.0	0709822000	24-SDS-S20-M33B	
S	25	M 27 x 2	PN 400	32	16	51	23	41	16	420	24.1	0709862000	24-SDS-S25-M27B	
S	25	M 33 x 2	PN 400	39	20	53	23	41	18	600	26.6	0709852000	24-SDS-S25-M33B	1)
S	30	M 33 x 2	PN 200	39	20	55	23.5	46	18	600	32.5	0709912000	24-SDS-S30-M33B	
S	30	M 42 x 2	PN 200	49	25	57	23.5	50	20	700	42.8	0709902000	24-SDS-S30-M42B	1)
S	38	M 48 x 2	PN 200	55	32	64	26	55	22	900	57.3	0709952000	24-SDS-S38-M48B	1)

1) Standard size

Male stud connectors

Male thread: BSPP thread, cylindrical
Threaded stud: DIN ISO 1179-4 Form B
Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PN 400	14	4	23.5	8.5	14	8	25	1.4	0710002000	24-SDS-L6-G1/8B	1)
L	6	G 1/4 A	PN 400	18	4	28	9	19	12	55	2.4	0710022000	24-SDS-L6-G1/4B	
L	6	G 3/8 A	PN 400	22	4	30.5	11.5	22	12	95	4.0	0710032000	24-SDS-L6-G3/8B	
L	6	G 1/2 A	PN 400	26	4	33	12	27	14	185	7.4	0710042000	24-SDS-L6-G1/2B	
L	8	G 1/8 A	PN 400	14	4	24.5	9.5	17	8	25	1.8	0710062000	24-SDS-L8-G1/8B	
L	8	G 1/4 A	PN 400	18	6	29	10	19	12	55	2.7	0710052000	24-SDS-L8-G1/4B	1)
L	8	G 3/8 A	PN 400	22	6	30.5	11.5	22	12	95	4.4	0710072000	24-SDS-L8-G3/8B	
L	8	G 1/2 A	PN 400	26	6	33	12	27	14	185	7.4	0710082000	24-SDS-L8-G1/2B	
L	10	G 1/8 A	PN 400	14	4	25.5	10.5	17	8	25	2.1	0710112000	24-SDS-L10-G1/8B	
L	10	G 1/4 A	PN 400	18	6	30	11	19	12	55	3.0	0710102000	24-SDS-L10-G1/4B	1)
L	10	G 3/8 A	PN 400	22	7	31.5	12.5	22	12	95	4.5	0710122000	24-SDS-L10-G3/8B	
L	10	G 1/2 A	PN 400	26	7	34	13	27	14	185	7.2	0710132000	24-SDS-L10-G1/2B	
L	10	G 3/4 A	PN 400	32	8	37	14	32	16	230	10.4	1710152000	24-SDS-L10-G3/4B	
L	12	G 1/4 A	PN 400	18	6	31	12	19	12	55	3.2	0710162000	24-SDS-L12-G1/4B	
L	12	G 3/8 A	PN 400	22	9	31.5	12.5	22	12	95	4.2	0710152000	24-SDS-L12-G3/8B	1)
L	12	G 1/2 A	PN 400	26	9	34	13	27	14	185	7.1	0710172000	24-SDS-L12-G1/2B	
L	12	G 3/4 A	PN 400	32	9	37	14	32	16	230	9.0	0710182000	24-SDS-L12-G3/4B	
L	15	G 1/4 A	PN 400	18	6	32	13	24	12	55	4.6	0710232000	24-SDS-L15-G1/4B	
L	15	G 3/8 A	PN 400	22	9	32.5	13.5	24	12	95	5.2	0710212000	24-SDS-L15-G3/8B	
L	15	G 1/2 A	PN 400	26	11	35	14	27	14	185	7.1	0710202000	24-SDS-L15-G1/2B	1)
L	15	G 3/4 A	PN 400	32	12	38	15	32	16	250	11.7	0710222000	24-SDS-L15-G3/4B	
L	18	G 3/8 A	PN 400	22	9	33.5	14	27	12	95	6.7	0710262000	24-SDS-L18-G3/8B	
L	18	G 1/2 A	PN 400	26	14	36	14.5	27	14	185	7.0	0710252000	24-SDS-L18-G1/2B	1)
L	18	G 3/4 A	PN 400	32	15	38	14.5	32	16	250	11.0	0710272000	24-SDS-L18-G3/4B	
L	18	G 1 A	PN 200	39	15	41	15.5	41	18	330	20.3	0710282000	24-SDS-L18-G1B	
L	22	G 1/2 A	PN 200	26	14	38	16.5	32	14	185	8.8	0710312000	24-SDS-L22-G1/2B	
L	22	G 3/4 A	PN 200	32	18	40	16.5	32	16	250	10.3	0710302000	24-SDS-L22-G3/4B	1)
L	22	G 1 A	PN 200	39	19	43	17.5	41	18	400	18.5	0710322000	24-SDS-L22-G1B	

1) Standard size

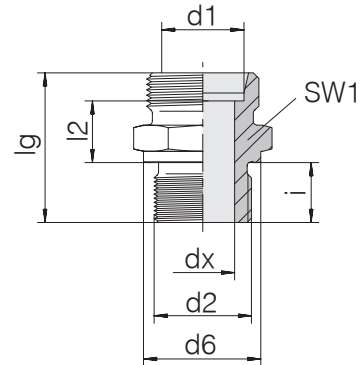
Example for comp. :
GE06LRX
ISO 8434-1-SDS-L6xG1/8A-B-St

Continued on following page

Male stud connectors

Male thread: BSPP thread, cylindrical
Threaded stud: DIN ISO 1179-4 Form B
Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	28	G 1/2 A	PN 200	26	14	39	17.5	41	14	185	14.3	1710362000	24-SDS-L28-G1/2B
L	28	G 3/4 A	PN 200	32	18	41	17.5	41	16	250	14.3	0710362000	24-SDS-L28-G3/4B
L	28	G 1 A	PN 200	39	23	43	17.5	41	18	400	16.9	0710352000	24-SDS-L28-G1B ¹⁾
L	28	G 1 1/4 A	PN 200	49	23	46	18.5	50	20	670	25.8	0710372000	24-SDS-L28-G11/4B
L	28	G 1 1/2 A	PN 200	55	24	50	20.5	55	22	800	34.6	1710242000	24-SDS-L28-G11/2B
L	35	G 3/4 A	PN 200	32	18	44	17.5	50	16	250	26.0	1710162000	24-SDS-L35-G3/4B
L	35	G 1 A	PN 200	39	23	46	17.5	50	18	400	24.1	0710412000	24-SDS-L35-G1B
L	35	G 1 1/4 A	PN 200	49	30	48	17.5	50	20	670	27.4	0710402000	24-SDS-L35-G11/4B ¹⁾
L	35	G 1 1/2 A	PN 200	55	30	52	19.5	55	22	800	47.2	0710422000	24-SDS-L35-G11/2B
L	42	G 1 A	PN 200	39	23	48	19	55	18	400	31.2	1710182000	24-SDS-L42-G1B
L	42	G 1 1/4 A	PN 200	49	30	50	19	55	20	670	33.1	0710462000	24-SDS-L42-G11/4B
L	42	G 1 1/2 A	PN 200	55	36	52	19	55	22	800	34.9	0710452000	24-SDS-L42-G11/2B ¹⁾
S	6	G 1/4 A	PN 500	18	4	32	13	19	12	95	3.5	0710502000	24-SDS-S6-G1/4B ¹⁾
S	6	G 3/8 A	PN 500	22	4	34.5	15.5	22	12	180	5.3	0710522000	24-SDS-S6-G3/8B
S	6	G 1/2 A	PN 500	26	4	35	14	27	14	160	6.7	0710532000	24-SDS-S6-G1/2B
S	8	G 1/4 A	PN 500	18	5	34	15	19	12	95	4.1	0710552000	24-SDS-S8-G1/4B ¹⁾
S	8	G 3/8 A	PN 500	22	5	34.5	15.5	22	12	180	5.5	0710572000	24-SDS-S8-G3/8B
S	8	G 1/2 A	PN 500	26	5	39	18	27	14	160	8.9	0710582000	24-SDS-S8-G1/2B
S	10	G 1/4 A	PN 500	18	5	34	14.5	19	12	95	4.2	0710612000	24-SDS-S10-G1/4B
S	10	G 3/8 A	PN 400	22	7	34.5	15	22	12	180	5.6	0710602000	24-SDS-S10-G3/8B ¹⁾
S	10	G 1/2 A	PN 400	26	7	35	13.5	27	14	160	7.8	0710622000	24-SDS-S10-G1/2B
S	12	G 1/4 A	PN 400	18	5	36	16.5	22	12	95	5.7	0710662000	24-SDS-S12-G1/4B
S	12	G 3/8 A	PN 400	22	8	36.5	17	22	12	180	6.2	0710652000	24-SDS-S12-G3/8B ¹⁾
S	12	G 1/2 A	PN 400	26	8	39	17.5	27	14	160	9.7	0710672000	24-SDS-S12-G1/2B
S	12	G 3/4 A	PN 400	32	8	43	19.5	32	16	350	14.9	0710682000	24-SDS-S12-G3/4B
S	14	G 3/8 A	PN 400	22	8	39	19	24	12	180	7.5	0710712000	24-SDS-S14-G3/8B
S	14	G 1/2 A	PN 400	26	10	41	19	27	14	160	9.8	0710702000	24-SDS-S14-G1/2B ¹⁾
S	14	G 3/4 A	PN 400	32	10	45	21	32	16	350	16.4	0710722000	24-SDS-S14-G3/4B

¹⁾ Standard size

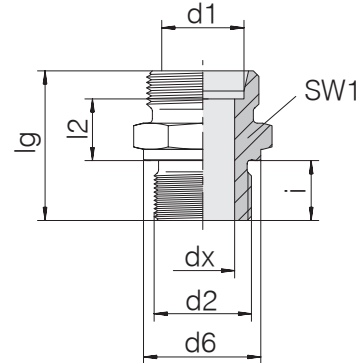
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Male stud connectors

Male thread: BSPP thread, cylindrical
Threaded stud: DIN ISO 1179-4 Form B
Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
S	16	G 3/8 A	PN 400	22	8	38.5	18	27	12	180	8.4	0710762000	24-SDS-S16-G3/8B
S	16	G 1/2 A	PN 400	26	12	41	18.5	27	14	160	9.1	0710752000	24-SDS-S16-G1/2B ¹⁾
S	16	G 3/4 A	PN 400	32	12	45	20.5	32	16	350	15.5	0710772000	24-SDS-S16-G3/4B
S	16	G 1 A	PN 400	39	12	49	22.5	41	18	700	25.4	1710322000	24-SDS-S16-G1B
S	20	G 1/2 A	PN 200	26	12	45	20.5	32	14	160	13.3	0710812000	24-SDS-S20-G1/2B
S	20	G 3/4 A	PN 200	32	16	47	20.5	32	16	350	15.1	0710802000	24-SDS-S20-G3/4B ¹⁾
S	20	G 1 A	PN 200	39	16	51	22.5	41	18	700	27.5	0710822000	24-SDS-S20-G1B
S	25	G 3/4 A	PN 200	32	16	51	23	41	16	350	24.1	0710862000	24-SDS-S25-G3/4B
S	25	G 1 A	PN 200	39	20	53	23	41	18	700	26.6	0710852000	24-SDS-S25-G1B ¹⁾
S	25	G 1 1/4 A	PN 200	49	20	55	23	50	20	850	44.0	0710872000	24-SDS-S25-G11/4B
S	25	G 1 1/2 A	PN 200	55	20	60	26	55	22	1000	53.9	1710312000	24-SDS-S25-G11/2B
S	30	G 3/4 A	PN 200	32	16	53	23.5	46	16	350	29.9	0710932000	24-SDS-S30-G3/4B
S	30	G 1 A	PN 200	39	20	55	23.5	46	18	700	32.8	0710912000	24-SDS-S30-G1B
S	30	G 1 1/4 A	PN 200	49	25	57	23.5	50	20	850	41.7	0710902000	24-SDS-S30-G11/4B ¹⁾
S	30	G 1 1/2 A	PN 200	55	25	62	26.5	55	22	1000	64.5	1710332000	24-SDS-S30-G11/2B
S	38	G 1 A	PN 200	39	20	60	26	55	18	700	49.2	0710982000	24-SDS-S38-G1B
S	38	G 1 1/4 A	PN 200	49	25	62	26	55	20	850	55.0	0710962000	24-SDS-S38-G11/4B
S	38	G 1 1/2 A	PN 200	55	32	64	26	55	22	1000	56.6	0710952000	24-SDS-S38-G11/2B ¹⁾

¹⁾ Standard size

Male stud connectors

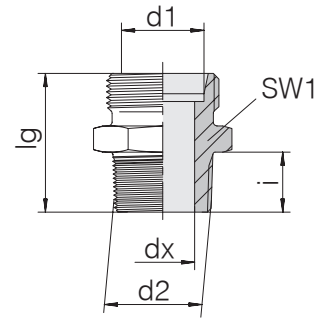
Male thread: Metric fine thread, tapered

Threaded stud: DIN 3852-1 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d1	d2	Pressure	dx	lg	SW1	i	kg/100 ca.	Order-No.	Designation
LL	4	M 6 x 1 keg	PN 100	2	20	9	6	0.6	0701012000	24-SDS-LL4-M6T	
LL	4	M 8 x 1 keg	PN 100	3	20	10	6	0.6	0701002000	24-SDS-LL4-M8T	¹⁾
LL	4	M 10 x 1 keg	PN 100	3	20	11	6	0.8	0701022000	24-SDS-LL4-M10T	
LL	5	M 8 x 1 keg	PN 100	3.5	20	11	6	0.6	0701052000	24-SDS-LL5-M8T	¹⁾
LL	6	M 6 x 1 keg	PN 100	2.5	20	11	6	0.6	0701982000	24-SDS-LL6-M6T	
LL	6	M 8 x 1 keg	PN 100	4.5	20	11	6	0.6	0701112000	24-SDS-LL6-M8T	
LL	6	M 10 x 1 keg	PN 100	4.5	20	11	6	0.8	0701102000	24-SDS-LL6-M10T	¹⁾
LL	8	M 10 x 1 keg	PN 100	6	22	12	6	1.0	0701152000	24-SDS-LL8-M10T	¹⁾
L	6	M 10 x 1 keg	PN 315	4	22	14	6	1.3	0702002000	24-SDS-L6-M10T	¹⁾
L	8	M 10 x 1 keg	PN 315	4	23	17	6	2.0	0702072000	24-SDS-L8-M10T	
L	8	M 12 x 1.5 keg	PN 315	6	27	17	9	2.1	0702052000	24-SDS-L8-M12T	¹⁾
L	10	M 14 x 1.5 keg	PN 315	7	28	17	9	2.5	0702102000	24-SDS-L10-M14T	¹⁾
L	12	M 16 x 1.5 keg	PN 315	9	29	19	9	3.2	0702152000	24-SDS-L12-M16T	¹⁾
L	15	M 18 x 1.5 keg	PN 315	11	30	24	9	4.7	0702202000	24-SDS-L15-M18T	¹⁾
L	18	M 22 x 1.5 keg	PN 315	14	33	27	11	6.8	0702252000	24-SDS-L18-M22T	¹⁾
L	18	M 24 x 1.5 keg	PN 315	15	35	27	13	7.7	0702262000	24-SDS-L18-M24T	
S	6	M 12 x 1.5 keg	PB 630	4	30	17	9	2.8	0702502000	24-SDS-S6-M12T	¹⁾
S	8	M 14 x 1.5 keg	PB 630	5	32	17	9	3.7	0702552000	24-SDS-S8-M14T	¹⁾
S	10	M 16 x 1.5 keg	PB 630	7	32	19	9	4.3	0702602000	24-SDS-S10-M16T	¹⁾
S	12	M 18 x 1.5 keg	PB 630	8	34	22	9	6.0	0702652000	24-SDS-S12-M18T	¹⁾
S	14	M 20 x 1.5 keg	PB 630	101	38	27	11	8.7	0702702000	24-SDS-S14-M20T	¹⁾
S	16	M 22 x 1.5 keg	PB 400	12	38	27	11	9.0	0702752000	24-SDS-S16-M22T	¹⁾

¹⁾ Standard size

Threaded stud in acc. with DIN 3852-1 Form C are approved for use for gas supply in accordance with DIN 3387-1.

Operating pressure PB 630 only applies if holes with female conical threads are available.

Example for comp. :
GE06LMkegX
DIN 2353-AL6-St



Male stud connectors

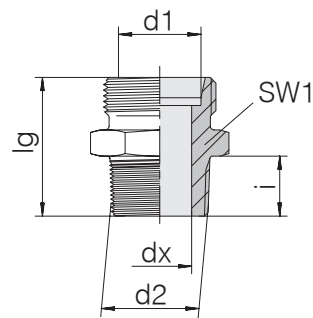
Male thread: BSPT thread, tapered

Threaded stud: DIN 3852-2 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	lg	SW1	i	kg/100 ca.	Order-No.	Designation	
LL	4	R 1/8	PN 100	4	20	11	6.2	0.8	0703002000	24-SDS-LL4-R1/8T	¹⁾
LL	5	R 1/8	PN 100	5	20	11	6.2	0.9	0703052000	24-SDS-LL5-R1/8T	¹⁾
LL	6	R 1/8	PN 100	6	20	11	6.2	0.8	0703102000	24-SDS-LL6-R1/8T	¹⁾
LL	6	R 1/4	PN 100	4.5	25	14	9.3	2.0	0703112000	24-SDS-LL6-R1/4T	
LL	8	R 1/8	PN 100	8	22	12	6.2	0.9	0703152000	24-SDS-LL8-R1/8T	¹⁾
LL	8	R 1/4	PN 100	8	26	14	9.3	1.7	0703172000	24-SDS-LL8-R1/4T	
L	6	R 1/8	PN 315	6	22	14	6.2	1.2	0704002000	24-SDS-L6-R1/8T	¹⁾
L	6	R 1/4	PN 315	6	26	14	9.3	1.9	0704022000	24-SDS-L6-R1/4T	
L	6	R 3/8	PN 315	4	28	19	9.3	3.6	0704032000	24-SDS-L6-R3/8T	
L	8	R 1/8	PN 315	8	23	14	6.2	1.5	0704062000	24-SDS-L8-R1/8T	
L	8	R 1/4	PN 315	8	27	17	9.3	2.2	0704052000	24-SDS-L8-R1/4T	¹⁾
L	8	R 3/8	PN 315	8	28	19	9.3	3.4	0704072000	24-SDS-L8-R3/8T	
L	8	R 1/2	PN 315	8	30	24	10.4	5.9	0704082000	24-SDS-L8-R1/2T	
L	10	R 1/4	PN 315	10	28	17	9.3	2.3	0704102000	24-SDS-L10-R1/4T	¹⁾
L	10	R 3/8	PN 315	10	28	19	9.3	3.1	0704122000	24-SDS-L10-R3/8T	
L	10	R 1/2	PN 315	10	31	24	10.4	5.6	0704132000	24-SDS-L10-R1/2T	
L	12	R 1/4	PN 315	12	29	19	9.3	2.8	0704162000	24-SDS-L12-R1/4T	
L	12	R 3/8	PN 315	12	29	19	9.3	3.3	0704152000	24-SDS-L12-R3/8T	¹⁾
L	12	R 1/2	PN 315	12	31	24	10.4	5.5	0704172000	24-SDS-L12-R1/2T	
L	12	R 3/4	PN 315	9	34	30	12.4	8.2	0704182000	24-SDS-L12-R3/4T	
L	15	R 1/4	PN 315	15	30	24	9.3	4.4	0704232000	24-SDS-L15-R1/4T	
L	15	R 3/8	PN 315	15	30	24	9.3	4.4	0704212000	24-SDS-L15-R3/8T	
L	15	R 1/2	PN 315	15	32	24	10.4	5.8	0704202000	24-SDS-L15-R1/2T	¹⁾
L	18	R 1/2	PN 315	18	33	27	10.4	6.4	0704252000	24-SDS-L18-R1/2T	¹⁾
L	18	R 3/4	PN 315	14	35	30	12.4	10.9	0704272000	24-SDS-L18-R3/4T	
L	22	R 1/2	PB 160	22	35	32	10.4	8.1	0704312000	24-SDS-L22-R1/2T	
L	22	R 3/4	PB 160	22	37	32	12.4	9.6	0704302000	24-SDS-L22-R3/4T	¹⁾
L	28	R 3/4	PB 160	28	38	41	12.4	13.9	0704362000	24-SDS-L28-R3/4T	
L	28	R 1	PB 160	28	40	41	13.4	15.6	0704352000	24-SDS-L28-R1T	¹⁾

¹⁾ Standard size

Threaded stud in acc. with DIN 3852-2 Form C are approved for use for gas supply in accordance with DIN 3387-1.

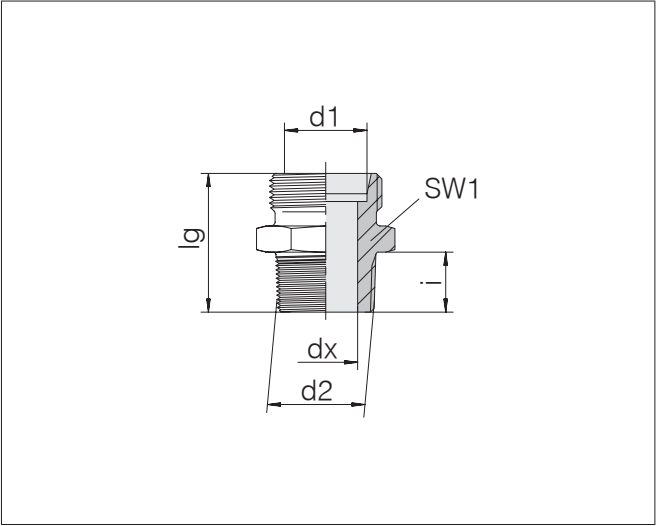
Example for comp.:
GE06LRkegX
DIN 2353-BL6-St

Continued on following page

Male stud connectors

Male thread: BSPT thread, tapered
Threaded stud: DIN 3852-2 Form C
Sealing type: Tapered thread
Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD d1		d2	Pressure	dx	lg	SW1	i	kg/100 ca.	Order-No.	Designation	
S	6	R 1/4	PB 630	6	30	17	9.3	3.0	0704502000	24-SDS-S6-R1/4T	1)
S	8	R 1/4	PB 630	8	32	17	9.3	3.4	0704552000	24-SDS-S8-R1/4T	1)
S	10	R 3/8	PB 630	10	32	19	9.3	4.4	0704602000	24-SDS-S10-R3/8T	1)
S	12	R 1/4	PB 630	6	34	22	9.3	5.4	0704662000	24-SDS-S12-R1/4T	
S	12	R 3/8	PB 630	12	34	22	9.3	5.8	0704652000	24-SDS-S12-R3/8T	1)
S	14	R 3/8	PB 630	14	36	24	9.3	6.8	0704712000	24-SDS-S14-R3/8T	
S	14	R 1/2	PB 630	14	38	27	10.4	8.9	0704702000	24-SDS-S14-R1/2T	1)
S	16	R 3/8	PB 400	16	36	27	9.3	7.9	0704762000	24-SDS-S16-R3/8T	
S	16	R 1/2	PB 400	16	38	27	10.4	8.5	0704752000	24-SDS-S16-R1/2T	1)
S	20	R 1/2	PB 400	14	42	32	10.4	12.2	0704812000	24-SDS-S20-R1/2T	
S	20	R 3/4	PB 400	20	44	32	12.4	14.1	0704802000	24-SDS-S20-R3/4T	1)

1) Standard size

Operating pressure PB 630 only
applies if holes with
female conical threads are available.



Male stud connectors

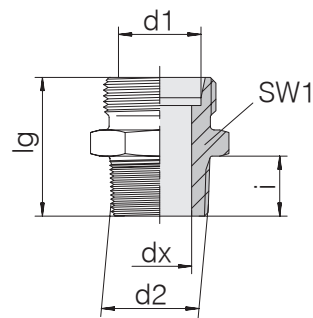
Male thread: NPT thread, tapered

Threaded stud: ASME B1.20.1

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	lg	SW1	i	kg/100 ca.	Order-No.	Designation	
d1											
LL	4	1/8 NPT	PN 100	4	21.9	11	6.7	0.9	0705002000	24-SDS-LL4-N1/8T	1)
LL	6	1/8 NPT	PN 100	6	21.9	11	6.7	0.9	0705102000	24-SDS-LL6-N1/8T	1)
LL	8	1/8 NPT	PN 100	8	23.9	12	6.7	1.0	0705152000	24-SDS-LL8-N1/8T	1)
L	6	1/8 NPT	PN 315	6	23.9	12	6.7	1.2	0706002000	24-SDS-L6-N1/8T	1)
L	6	1/4 NPT	PN 315	6	30	17	10.2	2.6	0706022000	24-SDS-L6-N1/4T	
L	8	1/8 NPT	PN 315	8	24.9	14	6.7	1.5	0706062000	24-SDS-L8-N1/8T	
L	8	1/4 NPT	PN 315	8	30.1	17	10.2	2.5	0706052000	24-SDS-L8-N1/4T	1)
L	8	3/8 NPT	PN 315	8	31.2	19	10.4	3.9	0706072000	24-SDS-L8-N3/8T	
L	8	1/2 NPT	PN 315	6	35.8	24	13.6	7.1	0706082000	24-SDS-L8-N1/2T	
L	10	1/8 NPT	PN 315	10	27	17	6.7	2.3	0706112000	24-SDS-L10-N1/8T	
L	10	1/4 NPT	PN 315	10	31.1	17	10.2	2.5	0706102000	24-SDS-L10-N1/4T	1)
L	10	3/8 NPT	PN 315	10	32.2	19	10.4	3.7	0706122000	24-SDS-L10-N3/8T	
L	10	1/2 NPT	PN 315	10	37.8	24	13.6	7.2	0706132000	24-SDS-L10-N1/2T	
L	12	1/4 NPT	PN 315	12	32	19	10.2	3.2	0706162000	24-SDS-L12-N1/4T	
L	12	3/8 NPT	PN 315	12	32.2	19	10.4	3.6	0706152000	24-SDS-L12-N3/8T	1)
L	12	1/2 NPT	PN 315	12	36.8	24	13.6	6.4	0706172000	24-SDS-L12-N1/2T	
L	15	3/8 NPT	PN 315	15	33.2	24	10.4	5.2	0706212000	24-SDS-L15-N3/8T	
L	15	1/2 NPT	PN 315	15	37.8	24	13.6	6.8	0706202000	24-SDS-L15-N1/2T	1)
L	18	3/8 NPT	PN 315	9	34.2	27	10.4	8.0	0706262000	24-SDS-L18-N3/8T	
L	18	1/2 NPT	PN 315	18	38.8	27	13.6	7.2	0706252000	24-SDS-L18-N1/2T	1)
L	18	3/4 NPT	PN 160	18	39.1	30	13.9	9.1	0706272000	24-SDS-L18-N3/4T	
L	22	1/2 NPT	PN 160	22	40.8	32	13.6	9.9	0706312000	24-SDS-L22-N1/2T	
L	22	3/4 NPT	PN 160	22	41.1	32	19.9	10.1	0706302000	24-SDS-L22-N3/4T	1)
L	28	1 NPT	PN 160	28	47	41	17.3	17.2	0706352000	24-SDS-L28-N1T	1)
L	35	1 1/4 NPT	PN 160	35	50.6	46	18	25.6	0706402000	24-SDS-L35-N11/4T	1)
L	42	1 1/2 NPT	PN 160	42	53	55	18.4	35.2	0706452000	24-SDS-L42-N11/2T	1)

¹⁾ Standard size

Threaded stud NPT in acc. with ASME are approved for use for gas supply in acc. with DIN 3387-1.

Example for comp.: GE06L1/8NPTX

Continued on following page

Male stud connectors

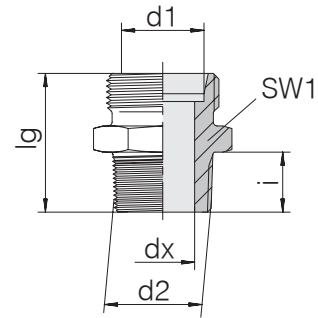
Male thread: NPT thread, tapered

Threaded stud: ASME B1.20.1

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	lg	SW1	i	kg/100 ca.	Order-No.	Designation	
S	6	1/4 NPT	PN 630	6	33.1	17	10.2	3.3	0706502000	24-SDS-S6-N1/4T	¹⁾
S	8	1/4 NPT	PN 630	8	35.1	17	10.2	3.8	0706552000	24-SDS-S8-N1/4T	¹⁾
S	8	3/8 NPT	PN 630	5	35	19	10.4	4.5	0706572000	24-SDS-S8-N3/8T	
S	10	1/8 NPT	PN 630	4	30.9	19	6.7	4.0	0706632000	24-SDS-S10-N1/8T	
S	10	1/4 NPT	PN 630	10	35.1	19	10.2	4.3	0706612000	24-SDS-S10-N1/4T	
S	10	3/8 NPT	PN 630	10	35.2	19	10.4	4.8	0706602000	24-SDS-S10-N3/8T	¹⁾
S	10	1/2 NPT	PN 630	7	41.8	24	13.6	9.0	0706622000	24-SDS-S10-N1/2T	
S	12	1/4 NPT	PN 630	12	37.1	22	10.2	5.8	0706662000	24-SDS-S12-N1/4T	
S	12	3/8 NPT	PN 630	12	37.2	22	10.4	6.2	0706652000	24-SDS-S12-N3/8T	¹⁾
S	12	1/2 NPT	PN 630	12	41.8	24	13.6	9.0	0706672000	24-SDS-S12-N1/2T	
S	14	3/8 NPT	PN 630	14	39	24	10.4	7.2	0706712000	24-SDS-S14-N3/8T	
S	14	1/2 NPT	PN 630	14	43.8	27	13.6	9.9	0706702000	24-SDS-S14-N1/2T	¹⁾
S	16	3/8 NPT	PN 400	16	39.2	27	10.4	8.4	0706762000	24-SDS-S16-N3/8T	
S	16	1/2 NPT	PN 400	16	43.8	27	13.6	9.4	0706752000	24-SDS-S16-N1/2T	¹⁾
S	16	3/4 NPT	PN 400	16	44	30	13.9	13.5	0706772000	24-SDS-S16-N3/4T	
S	20	1/2 NPT	PN 400	20	47.8	32	13.6	12.7	0706812000	24-SDS-S20-N1/2T	
S	20	3/4 NPT	PN 400	20	48.1	32	13.9	14.9	0706802000	24-SDS-S20-N3/4T	¹⁾
S	20	1 NPT	PN 400	16	55	36	17.3	25.0	0706822000	24-SDS-S20-N1T	
S	25	3/4 NPT	PN 400	25	52.1	41	13.9	22.7	0706862000	24-SDS-S25-N3/4T	
S	25	1 NPT	PN 400	25	57	41	17.3	28.1	0706852000	24-SDS-S25-N1T	¹⁾
S	30	1 NPT	PN 400	22	59	46	17.3	32.2	0706912000	24-SDS-S30-N1T	
S	30	1 1/4 NPT	PN 400	30	59.6	46	18	39.3	0706902000	24-SDS-S30-N11/4T	¹⁾
S	38	1 1/2 NPT	PN 315	38	65	55	18.4	57.2	0706952000	24-SDS-S38-N11/2T	¹⁾

¹⁾ Standard size

Male stud connectors

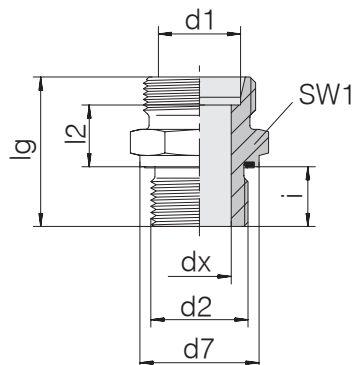
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 9974-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PN 500	13.9	4	23.5	8.5	14	8	15	1.4	0784392000	24-SDS-L6-M10E	1)
L	6	M 12 x 1	PN 500	16.9	4	27	10	17	10	25	2.8	1785662000	24-SDS-L6-M12x1E	
L	6	M 12 x 1.5	PN 500	16.9	4	29	10	17	12	25	2.3	1784612000	24-SDS-L6-M12E	
L	6	M 14 x 1.5	PN 500	18.9	4	29	10	19	12	50	3.4	1785682000	24-SDS-L6-M14E	
L	6	M 16 x 1.5	PN 400	21.9	4	30.5	11.5	22	12	70	3.4	1785442000	24-SDS-L6-M16E	
L	6	M 18 x 1.5	PN 400	23.9	4	30.5	11.5	24	12	90	3.6	1785462000	24-SDS-L6-M18E	
L	8	M 10 x 1	PN 500	13.9	4	24.5	9.5	14	8	15	1.6	1784442000	24-SDS-L8-M10E	
L	8	M 12 x 1.5	PN 500	16.9	6	29	10	17	12	25	2.1	0784402000	24-SDS-L8-M12E	1)
L	8	M 14 x 1.5	PN 500	18.9	6	29	10	19	12	50	2.8	0784112000	24-SDS-L8-M14E	
L	8	M 16 x 1.5	PN 400	21.9	6	30.5	11.5	22	12	70	4.1	1784862000	24-SDS-L8-M16E	
L	8	M 18 x 1.5	PN 400	23.9	6	30.5	11.5	24	12	90	5.0	1798492000	24-SDS-L8-M18E	
L	8	M 22 x 1.5	PN 400	26.9	6	34	13	27	14	130	5.5	1785552000	24-SDS-L8-M22E	
L	10	M 10 x 1	PN 500	13.9	4	25.5	10.5	17	8	15	2.3	1785982000	24-SDS-L10-M10E	
L	10	M 12 x 1	PN 500	16.9	6	28	11	17	10	25	2.6	1795042000	24-SDS-L10-M12x1E	
L	10	M 12 x 1.5	PN 500	16.9	6	30	11	17	12	25	2.4	1784622000	24-SDS-L10-M12E	2)
L	10	M 14 x 1.5	PN 500	18.9	7	30	11	19	12	50	2.9	0784412000	24-SDS-L10-M14E	1)
L	10	M 16 x 1.5	PN 400	21.9	7	31.5	12.5	22	12	70	4.2	1784602000	24-SDS-L10-M16E	
L	10	M 18 x 1.5	PN 400	23.9	8	31.5	12.5	24	12	90	4.9	0784042000	24-SDS-L10-M18E	
L	10	M 22 x 1.5	PN 400	26.9	8	35	14	27	14	130	8.0	1784872000	24-SDS-L10-M22E	
L	12	M 10 x 1	PN 400	13.9	4	27	12	19	8	15	2.7	1784892000	24-SDS-L12-M10E	
L	12	M 12 x 1.5	PN 400	16.9	6	31.5	12.5	19	12	25	3.0	1784852000	24-SDS-L12-M12E	
L	12	M 14 x 1.5	PN 400	18.9	7	30	11	19	12	50	2.9	1784402000	24-SDS-L12-M14E	
L	12	M 16 x 1.5	PN 400	21.9	9	31.5	12.5	22	12	70	3.9	0784422000	24-SDS-L12-M16E	1)
L	12	M 18 x 1.5	PN 400	23.9	9	31.5	12.5	24	12	90	4.4	1784482000	24-SDS-L12-M18E	
L	12	M 22 x 1.5	PN 400	26.9	9	35	14	27	14	130	6.4	1784492000	24-SDS-L12-M22E	
L	12	M 26 x 1.5	PN 250	31.9	10	37	14	32	16	180	10.0	1785532000	24-SDS-L12-M26E	
L	15	M 12 x 1.5	PN 400	16.9	6	32	13	24	12	25	4.8	1796032000	24-SDS-L15-M12E	
L	15	M 16 x 1.5	PN 400	21.9	9	32	13	24	12	70	4.8	1784562000	24-SDS-L15-M16E	
L	15	M 18 x 1.5	PN 400	23.9	11	32.5	13.5	24	12	90	5.1	0784432000	24-SDS-L15-M18E	1)
L	15	M 22 x 1.5	PN 400	26.9	12	36	15	27	14	130	7.1	1784502000	24-SDS-L15-M22E	
L	15	M 26 x 1.5	PN 250	31.9	12	38	15	32	16	180	11.3	1784542000	24-SDS-L15-M26E	

1) Standard size

2) Special sizes only on request

Example for comp.:
GE06LMEDOMD
ISO 8434-1-SDS-L6xM10x1-E-St

Continued on following page

Male stud connectors

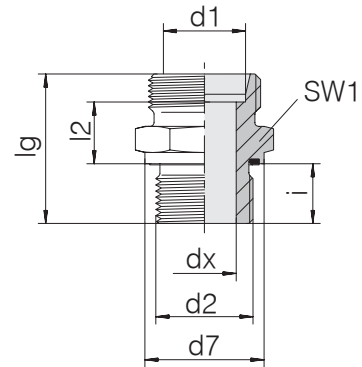
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 9974-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	18	M 18 x 1.5	PN 400	23.9	11	33.5	14	27	12	90	6.5	1784452000	24-SDS-L18-M18E
L	18	M 22 x 1.5	PN 400	26.9	14	36	14.5	27	14	130	7.4	0784442000	24-SDS-L18-M22E ¹⁾
L	18	M 26 x 1.5	PN 250	31.9	15	38	14.5	32	16	180	9.4	1784472000	24-SDS-L18-M26E
L	18	M 27 x 2	PN 250	31.9	15	43	19.5	32	16	180	14.8	1796872000	24-SDS-L18-M27E
L	18	M 33 x 2	PN 250	39.9	15	41	15.5	41	18	230	16.0	1798222000	24-SDS-L18-M33E
L	22	M 18 x 1.5	PN 250	23.9	11	35.5	16	32	12	90	9.0	1785252000	24-SDS-L22-M18E
L	22	M 22 x 1.5	PN 250	26.9	14	38	16.5	32	14	130	9.0	1784462000	24-SDS-L22-M22E
L	22	M 26 x 1.5	PN 250	31.9	18	40	16.5	32	16	180	10.1	0784452000	24-SDS-L22-M26E ¹⁾
L	22	M 27 x 2	PN 250	31.9	18	40	16.5	32	16	180	10.8	1798422000	24-SDS-L22-M27E
L	22	M 33 x 2	PN 250	39.9	19	43	17.5	41	18	230	18.6	1784732000	24-SDS-L22-M33E
L	28	M 18 x 1.5	PN 250	23.9	11	36.5	17	41	12	90	12.9	1785452000	24-SDS-L28-M18E
L	28	M 22 x 1.5	PN 250	26.9	14	39	17.5	41	14	130	13.7	1784802000	24-SDS-L28-M22E
L	28	M 26 x 1.5	PN 250	31.9	18	43	19.5	41	16	180	16.2	1784592000	24-SDS-L28-M26E
L	28	M 33 x 2	PN 250	39.9	23	43	17.5	41	18	230	16.4	0784462000	24-SDS-L28-M33E ¹⁾
L	28	M 42 x 2	PN 250	49.9	23	46	18.5	50	20	330	32.2	1784512000	24-SDS-L28-M42E
L	35	M 33 x 2	PN 250	39.9	23	46	17.5	46	18	230	21.7	1784392000	24-SDS-L35-M33E
L	35	M 42 x 2	PN 250	49.9	30	48	17.5	50	20	330	27.3	0784472000	24-SDS-L35-M42E ¹⁾
L	42	M 42 x 2	PN 250	49.9	30	50	19	55	20	330	33.6	1784782000	24-SDS-L42-M42E
L	42	M 48 x 2	PN 250	54.9	36	52	19	55	22	500	34.6	0784482000	24-SDS-L42-M48E ¹⁾

¹⁾ Standard size

Continued on following page



Male stud connectors

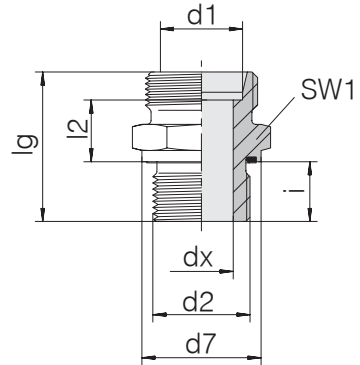
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 9974-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
S	6	M 12 x 1.5	PN 800	16.9	4	32	13	17	12	50	2.9	0784492000	24-SDS-S6-M12E	1)
S	8	M 12 x 1.5	PN 800	16.9	4	34	15	17	12	50	3.8	1785602000	24-SDS-S8-M12E	
S	8	M 14 x 1.5	PN 800	18.9	5	34	15	19	12	60	4.1	0784502000	24-SDS-S8-M14E	1)
S	8	M 18 x 1.5	PN 630	23.9	5	36.5	17.5	24	12	90	6.5	1785432000	24-SDS-S8-M18E	
S	8	M 22 x 1.5	PN 630	26.9	5	41	20	27	14	130	10.4	1785342000	24-SDS-S8-M22E	
S	10	M 12 x 1.5	PN 800	16.9	4	34.5	15	19	12	50	4.5	1796512000	24-SDS-S10-M12E	
S	10	M 16 x 1.5	PN 800	21.9	7	34.5	15	22	12	80	5.3	0784512000	24-SDS-S10-M16E	1)
S	10	M 18 x 1.5	PN 630	23.9	7	36.5	17	24	12	90	7.6	1785672000	24-SDS-S10-M18E	
S	12	M 12 x 1.5	PN 630	16.9	4	36	16.5	22	12	50	5.2	1785592000	24-SDS-S12-M12E	
S	12	M 14 x 1.5	PN 630	18.9	5	36	16.5	22	12	60	6.2	1796332000	24-SDS-S12-M14E	
S	12	M 16 x 1.5	PN 630	21.9	7	36	16.5	22	12	80	6.9	1785172000	24-SDS-S12-M16E	
S	12	M 18 x 1.5	PN 630	23.9	8	36.5	17	24	12	90	7.1	0784522000	24-SDS-S12-M18E	1)
S	12	M 20 x 1.5	PN 630	25.9	8	39	17.5	27	14	130	10.0	1795192000	24-SDS-S12-M20E	
S	12	M 22 x 1.5	PN 630	26.9	8	39	17.5	27	14	130	10.2	1784832000	24-SDS-S12-M22E	
S	14	M 18 x 1.5	PN 630	23.9	8	39	19	24	12	90	7.7	1784672000	24-SDS-S14-M18E	
S	14	M 20 x 1.5	PN 630	25.9	10	41	19	27	14	130	9.4	0784532000	24-SDS-S14-M20E	1)
S	16	M 16 x 1.5	PN 630	21.9	7	39	18.5	27	12	50	8.4	1785372000	24-SDS-S16-M16E	
S	16	M 18 x 1.5	PN 630	23.9	10	38.5	18	27	12	90	8.1	784062000	24-SDS-S16-M18E-ID10	
S	16	M 22 x 1.5	PN 630	26.9	12	41	18.5	27	14	130	9.6	0784542000	24-SDS-S16-M22E	1)
S	16	M 27 x 2	PN 420	31.9	12	45	20.5	32	16	200	15.7	1784682000	24-SDS-S16-M27E	
S	20	M 22 x 1.5	PN 420	26.9	12	45	20.5	32	14	130	13.9	0784022000	24-SDS-S20-M22E	
S	20	M 26 x 1.5	PN 420	31.9	16	47	20.5	32	16	190	16.3	1785782000	24-SDS-S20-M26E	
S	20	M 27 x 2	PN 420	31.9	16	47	20.5	32	16	200	15.1	0784552000	24-SDS-S20-M27E	1)
S	25	M 26 x 1.5	PN 420	31.9	16	51	23	41	16	50	25.0	1798432000	24-SDS-S25-M26E	
S	25	M 27 x 2	PN 420	31.9	16	51	23	41	16	200	23.7	1784792000	24-SDS-S25-M27E	
S	25	M 33 x 2	PN 420	39.9	20	53	23	41	18	250	26.5	0784562000	24-SDS-S25-M33E	1)
S	30	M 33 x 2	PN 420	39.9	20	55	23.5	46	18	250	34.9	1796342000	24-SDS-S30-M33E	
S	30	M 42 x 2	PN 420	49.9	25	57	23.5	50	20	500	41.7	0784572000	24-SDS-S30-M42E	1)
S	38	M 48 x 2	PN 420	54.9	32	64	26	55	22	600	56.4	0784582000	24-SDS-S38-M48E	1)

1) Standard size

Male stud connectors

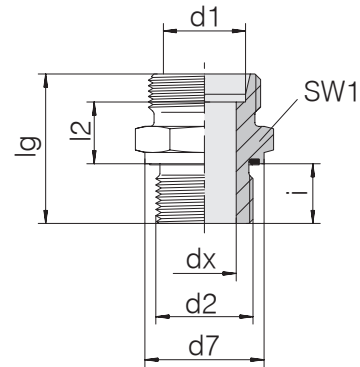
Male thread: BSPP thread, cylindrical

Threaded stud: ISO 1179-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PN 500	13.9	4	23.5	8.5	14	8	20	1.3	0784192000	24-SDS-L6-G1/8E	1)
L	6	G 1/4 A	PN 500	18.9	4	29	10	19	12	50	2.7	1784082000	24-SDS-L6-G1/4E	
L	6	G 3/8 A	PN 400	21.9	4	30.5	11.5	22	12	80	3.8	1784942000	24-SDS-L6-G3/8E	
L	8	G 1/8 A	PN 500	13.9	4	24.5	9.5	14	8	20	1.5	1784222000	24-SDS-L8-G1/8E	
L	8	G 1/4 A	PN 500	18.9	6	29	10	19	12	50	2.7	0784202000	24-SDS-L8-G1/4E	1)
L	8	G 3/8 A	PN 400	21.9	6	30.5	11.5	22	12	80	4.4	1784232000	24-SDS-L8-G3/8E	
L	8	G 1/2 A	PN 400	26.9	6	33	12	27	14	100	7.2	1784912000	24-SDS-L8-G1/2E	
L	8	G 3/4 A	PN 250	31.9	6	36	13	32	16	180	10.0	1785762000	24-SDS-L8-G3/4E	
L	10	G 1/8 A	PN 500	13.9	4	25.5	10.5	17	8	20	2.0	1784932000	24-SDS-L10-G1/8E	
L	10	G 1/4 A	PN 500	18.9	6	30	11	19	12	50	2.9	0784212000	24-SDS-L10-G1/4E	1)
L	10	G 3/8 A	PN 400	21.9	8	31.5	12.5	22	12	80	4.2	1784172000	24-SDS-L10-G3/8E	
L	10	G 1/2 A	PN 400	26.9	8	34	13	27	14	100	6.3	1784182000	24-SDS-L10-G1/2E	
L	12	G 1/4 A	PN 400	18.9	6	31.5	12.5	19	12	50	3.2	0784102000	24-SDS-L12-G1/4E	
L	12	G 3/8 A	PN 400	21.9	9	31.5	12.5	22	12	80	4.2	0784222000	24-SDS-L12-G3/8E	1)
L	12	G 1/2 A	PN 400	26.9	10	34	13	27	14	100	6.7	0784122000	24-SDS-L12-G1/2E	
L	12	G 3/4 A	PN 250	31.9	10	37	14	32	16	180	11.7	1784212000	24-SDS-L12-G3/4E	
L	15	G 1/4 A	PN 400	18.9	6	32	13	24	12	50	3.9	1785642000	24-SDS-L15-G1/4E	
L	15	G 3/8 A	PN 400	21.9	9	32.5	13.5	24	12	80	5.1	1784072000	24-SDS-L15-G3/8E	
L	15	G 1/2 A	PN 400	26.9	11	35	14	27	14	100	7.1	0784232000	24-SDS-L15-G1/2E	1)
L	15	G 3/4 A	PN 250	31.9	12	38	15	32	16	180	11.7	1784192000	24-SDS-L15-G3/4E	
L	15	G 1 A	PN 250	39.9	11	41	16	41	18	230	22.8	1796972000	24-SDS-L15-G1E	
L	18	G 3/8 A	PN 400	21.9	9	33.5	14	27	12	80	6.6	1784922000	24-SDS-L18-G3/8E	
L	18	G 1/2 A	PN 400	26.9	14	36	14.5	27	14	100	7.0	0784242000	24-SDS-L18-G1/2E	1)
L	18	G 3/4 A	PN 250	31.9	15	38	14.5	32	16	180	10.9	1784282000	24-SDS-L18-G3/4E	
L	18	G 1 A	PN 250	39.9	15	41	15.5	41	18	230	16.7	1785972000	24-SDS-L18-G1E	
L	18	G 1 1/4 A	PN 250	49.9	15	44	16.5	50	20	330	37.9	1796842000	24-SDS-L18-G11/4E	
L	22	G 1/2 A	PN 250	26.9	14	38	16.5	32	14	100	8.7	1784162000	24-SDS-L22-G1/2E	
L	22	G 3/4 A	PN 250	31.9	18	40	16.5	32	16	180	10.2	0784252000	24-SDS-L22-G3/4E	1)
L	22	G 1 A	PN 250	39.9	19	43	17.5	41	18	230	18.4	1784712000	24-SDS-L22-G1E	
L	22	G 1 1/4 A	PN 250	49.9	19	46	18.5	50	20	330	37.5	1785132000	24-SDS-L22-G11/4E	

1) Standard size

Example for comp. :
GE06LREDOMD
ISO 8434-1-SDS-L6xG1/8A-E-St

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Male stud connectors

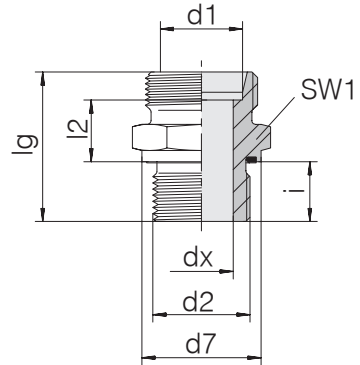
Male thread: BSPP thread, cylindrical

Threaded stud: ISO 1179-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	lg	l2	SW1	i	Nm	kg/100	Order-No.	Designation
	d1									-10 %	ca.		
L	28	G 3/4 A	PN 250	31.9	18	41	17.5	41	16	180	14.6	1784122000	24-SDS-L28-G3/4E
L	28	G 1 A	PN 250	39.9	23	43	17.5	41	18	230	16.5	0784262000	24-SDS-L28-G1E ¹⁾
L	28	G 1 1/4 A	PN 250	49.9	23	46	18.5	50	20	330	25.2	1784902000	24-SDS-L28-G11/4E
L	35	G 1 A	PN 250	39.9	23	46	17.5	46	18	230	23.8	1784362000	24-SDS-L35-G1E
L	35	G 1 1/4 A	PN 250	49.9	30	48	17.5	50	20	330	27.1	0784272000	24-SDS-L35-G11/4E ¹⁾
L	35	G 1 1/2 A	PN 250	54.9	30	52	19.5	55	22	500	37.4	1785612000	24-SDS-L35-G11/2E
L	42	G 1 1/4 A	PN 250	49.9	30	50	19	55	20	330	33.6	1785652000	24-SDS-L42-G11/4E
L	42	G 1 1/2 A	PN 250	54.9	36	52	19	55	22	500	34.3	0784282000	24-SDS-L42-G11/2E ¹⁾
S	6	G 1/4 A	PN 800	18.9	4	32	13	19	12	60	3.5	0784292000	24-SDS-S6-G1/4E ¹⁾
S	6	G 3/8 A	PN 800	21.9	4	34.5	15.5	22	12	90	6.0	1784052000	24-SDS-S6-G3/8E
S	6	G 1/2 A	PN 630	26.9	4	39	18	27	14	150	8.6	1784252000	24-SDS-S6-G1/2E
S	8	G 1/4 A	PN 800	18.9	5	34	15	19	12	60	4.1	0784302000	24-SDS-S8-G1/4E ¹⁾
S	8	G 3/8 A	PN 800	21.9	5	34.5	15.5	22	12	90	5.7	1784132000	24-SDS-S8-G3/8E
S	8	G 1/2 A	PN 630	26.9	5	39	18	27	14	150	9.5	1785942000	24-SDS-S8-G1/2E
S	10	G 1/4 A	PN 800	18.9	5	34	14.5	19	12	60	4.2	0784152000	24-SDS-S10-G1/4E
S	10	G 3/8 A	PN 800	21.9	7	34.5	15	22	12	90	5.5	0784312000	24-SDS-S10-G3/8E ¹⁾
S	10	G 1/2 A	PN 630	26.9	7	39	17.5	27	14	150	8.9	1784242000	24-SDS-S10-G1/2E
S	12	G 1/4 A	PN 630	18.9	5	36	16.5	22	12	60	5.6	1784142000	24-SDS-S12-G1/4E
S	12	G 3/8 A	PN 630	21.9	8	36.5	17	22	12	90	6.2	0784322000	24-SDS-S12-G3/8E ¹⁾
S	12	G 1/2 A	PN 630	26.9	8	39	17.5	27	14	150	9.1	0784172000	24-SDS-S12-G1/2E
S	12	G 3/4 A	PN 420	31.9	8	43	19.5	32	16	200	13.4	1784152000	24-SDS-S12-G3/4E
S	14	G 3/8 A	PN 630	21.9	8	39	19	24	12	90	8.3	1785922000	24-SDS-S14-G3/8E
S	14	G 1/2 A	PN 630	26.9	10	41	19	27	14	150	9.6	0784332000	24-SDS-S14-G1/2E ¹⁾
S	16	G 1/4 A	PN 630	18.9	5	38	17.5	27	12	60	8.4	1785302000	24-SDS-S16-G1/4E
S	16	G 3/8 A	PN 630	21.9	8	38.5	18	27	12	90	8.1	1784092000	24-SDS-S16-G3/8E
S	16	G 1/2 A	PN 630	26.9	12	41	18.5	27	14	150	9.2	0784342000	24-SDS-S16-G1/2E ¹⁾
S	16	G 3/4 A	PN 420	31.9	12	45	20.5	32	16	200	13.8	1784262000	24-SDS-S16-G3/4E
S	16	G 1 A	PN 420	39.9	12	49	22.5	41	18	250	23.7	1784722000	24-SDS-S16-G1E

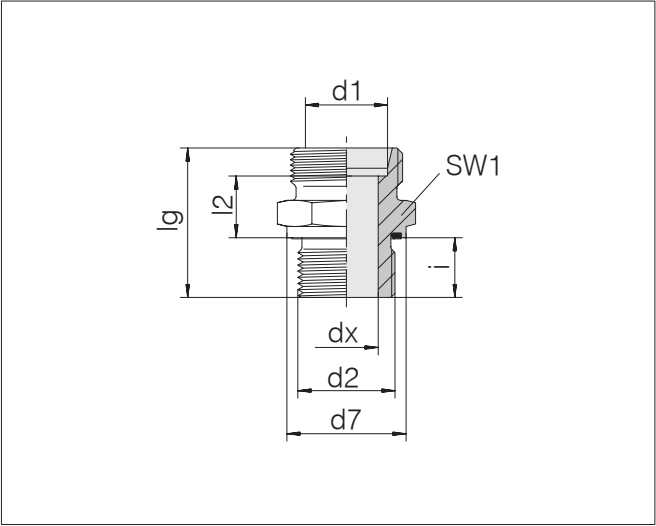
¹⁾ Standard size

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Male stud connectors

Male thread: BSPP thread, cylindrical
Threaded stud: ISO 1179-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
S	20	G 1/2 A	PN 420	26.9	12	45	20.5	32	14	150	13.5	1784062000	24-SDS-S20-G1/2E
S	20	G 3/4 A	PN 420	31.9	16	47	20.5	32	16	200	14.9	0784352000	24-SDS-S20-G3/4E ¹⁾
S	20	G 1 A	PN 420	39.9	16	51	22.5	41	18	250	25.0	1784382000	24-SDS-S20-G1E
S	25	G 1/2 A	PN 420	26.9	12	49	23	41	14	150	23.9	1785632000	24-SDS-S25-G1/2E
S	25	G 3/4 A	PN 420	31.9	16	51	23	41	16	200	23.7	0784032000	24-SDS-S25-G3/4E
S	25	G 1 A	PN 420	39.9	20	53	23	41	18	250	26.3	0784362000	24-SDS-S25-G1E ¹⁾
S	25	G 1 1/4 A	PN 420	49.9	20	55	23	50	20	500	46.7	1785772000	24-SDS-S25-G11/4E
S	30	G 3/4 A	PN 420	31.9	16	53	23.5	46	16	200	31.7	1785712000	24-SDS-S30-G3/4E
S	30	G 1 A	PN 420	39.9	20	55	23.5	46	18	250	33.0	1784112000	24-SDS-S30-G1E
S	30	G 1 1/4 A	PN 420	49.9	25	57	23.5	50	20	500	41.9	0784372000	24-SDS-S30-G11/4E ¹⁾
S	30	G 1 1/2 A	PN 420	54.9	25	62	26.5	55	22	600	64.0	1785962000	24-SDS-S30-G11/2E
S	38	G 3/4 A	PN 420	31.9	16	58	26	55	16	200	50.1	1785902000	24-SDS-S38-G3/4E
S	38	G 1 A	PN 420	39.9	20	60	26	55	18	250	44.9	1785702000	24-SDS-S38-G1E
S	38	G 1 1/4 A	PN 420	49.9	25	62	26	55	20	500	55.5	1785212000	24-SDS-S38-G11/4E
S	38	G 1 1/2 A	PN 420	54.9	32	64	26	55	22	600	55.9	0784382000	24-SDS-S38-G11/2E ¹⁾

¹⁾ Standard size



Male stud connectors

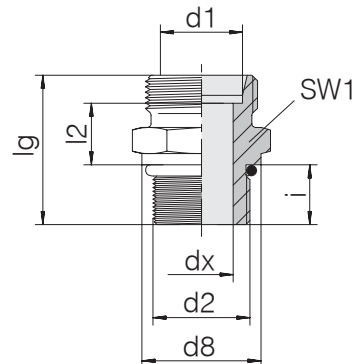
Male thread: UN/UNF, cylindrical

Threaded stud: ISO 11926-2/3

Abdichtungsart: O-Ring (Form F)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d8	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	6	7/16-20 UNF-2A	PN 500	15.8	4	25	8.8	17	9.2	25	1.9	0782402000	24-SDS-L6-U7/16-20F
L	6	9/16-18 UNF-2A	PN 500	17.7	4	27	10	19	10	30	2.5	1782572000	24-SDS-L6-U9/16-18F
L	8	7/16-20 UNF-2A	PN 500	15.8	5	26.5	10.3	17	9.2	25	2.1	0782412000	24-SDS-L8-U7/16-20F
L	8	1/2-20 UNF-2A	PN 500	16.2	6	26.5	10.3	17	9.2	28	2.2	0782422000	24-SDS-L8-U1/2-20F
L	8	9/16-18 UNF-2A	PN 500	17.7	6	27	10	19	10	30	2.8	0782432000	24-SDS-L8-U9/16-18F
L	8	3/4-16 UNF-2A	PN 400	23	6	30	11.8	24	11.2	55	4.3	1782502000	24-SDS-L8-U3/4-16F
L	10	7/16-20 UNF-2A	PN 500	15.8	5	28	11.8	17	9.2	25	2.4	0782962000	24-SDS-L10-U7/16-20F
L	10	9/16-18 UNF-2A	PN 500	17.7	7	28	11	19	10	30	2.8	0782442000	24-SDS-L10-U9/16-18F
L	10	3/4-16 UNF-2A	PN 400	23	8	31	12.8	24	11.2	55	4.4	1782512000	24-SDS-L10-U3/4-16F
L	10	7/8-14 UNF-2A	PN 400	27	7	32.5	12.8	27	12.7	60	7.6	0782452000	24-SDS-L10-U7/8-14F
L	12	7/16-20 UNF-2A	PN 400	15.8	5	28.5	12.3	19	9.2	25	2.6	0782492000	24-SDS-L12-U7/16-20F
L	12	1/2-20 UNF-2A	PN 400	16.8	6	28.5	12.4	19	9.2	28	3.0	1782562000	24-SDS-L12-U1/2-20F
L	12	9/16-18 UNF-2A	PN 400	17.7	7	29.5	12.5	19	10	30	3.2	0782462000	24-SDS-L12-U9/16-18F
L	12	3/4-16 UNF-2A	PN 400	23	9	31	12.8	24	11.2	55	4.5	0782482000	24-SDS-L12-U3/4-16F
L	12	7/8-14 UNF-2A	PN 400	27	10	32.5	12.8	27	12.7	60	7.0	0782502000	24-SDS-L12-U7/8-14F
L	15	9/16-18 UNF-2A	PN 400	17.7	7	31	14	24	10	30	4.8	0782512000	24-SDS-L15-U9/16-18F
L	15	3/4-16 UNF-2A	PN 400	23	11	32	13.8	24	11.2	55	5.4	0782522000	24-SDS-L15-U3/4-16F
L	15	7/8-14 UNF-2A	PN 400	27	11	33.7	14	27	12.7	60	7.5	0782532000	24-SDS-L15-U7/8-14F
L	15	1 1/16-12 UN-2A	PN 400	32	12	37	15	32	15	110	11.7	1782482000	24-SDS-L15-U11/16-12F
L	15	1 5/16-12 UN-2A	PN 250	38.1	12	37	15	41	15	165	18.7	1782452000	24-SDS-L15-U15/16-12F
L	18	3/4-16 UNF-2A	PN 400	23	12	33	14.3	27	11.2	55	6.6	0782542000	24-SDS-L18-U3/4-16F
L	18	7/8-14 UNF-2A	PN 400	27	14	34.7	14.5	27	12.7	60	7.4	0782552000	24-SDS-L18-U7/8-14F
L	18	1 1/16-12 UN-2A	PN 400	32	15	37	14.5	32	15	110	9.6	0782902000	24-SDS-L18-U11/16-12F
L	18	1 5/16-12 UN-2A	PN 250	38.1	15	37	14.5	41	15	165	18.3	1782472000	24-SDS-L18-U15/16-12F
L	22	7/8-14 UNF-2A	PN 250	27	12	36.7	16.5	32	12.7	60	9.8	0782562000	24-SDS-L22-U7/8-14F
L	22	1 1/16-12 UN-2A	PN 250	32	18	39	16.5	32	15	110	10.2	0782572000	24-SDS-L22-U11/16-12F
L	22	1 5/16-12 UN-2A	PN 250	38.1	18	39	16.5	41	15	165	17.3	0782582000	24-SDS-L22-U15/16-12F
L	22	1 5/8-12 UN-2A	PN 250	48	19	40	17.5	50	15	220	28.7	1782462000	24-SDS-L22-U15/8-12F

Male stud connectors

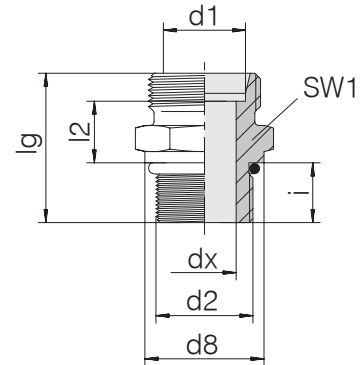
Male thread: UN/UNF, cylindrical

Threaded stud: ISO 11926-2/3

Abdichtungsart: O-Ring (Form F)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d8	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	28	7/8-14 UNF-2A	PN 250	27	12	38	17.8	41	12.7	60	13.7	0782872000	24-SDS-L28-U7/8-14F
L	28	1 1/16-12 UN-2A	PN 250	32	18	40	17.5	41	15	110	14.3	0782592000	24-SDS-L28-U11/16-12F
L	28	1 5/16-12 UN-2A	PN 250	38.1	23	40	17.5	41	15	165	16.2	0782602000	24-SDS-L28-U15/16-12F
L	28	1 5/8-12 UN-2A	PN 250	48	24	40	17.5	50	15	220	26.4	0782922000	24-SDS-L28-U15/8-12F
L	35	1 3/16-12 UN-2A	PN 250	35	20	43	17.5	46	15	140	20.3	0782912000	24-SDS-L35-U13/16-12F
L	35	1 5/16-12 UN-2A	PN 250	39	23	43	17.5	46	15	165	21.1	0782612000	24-SDS-L35-U15/16-12F
L	35	1 5/8-12 UN-2A	PN 250	48	30	43	17.5	50	15	220	24.9	0782842000	24-SDS-L35-U15/8-12F
L	35	1 7/8-12 UN-2A	PN 250	54	30	45	19.5	55	15	260	31.2	0782972000	24-SDS-L35-U17/8-12F
L	42	1 5/8-12 UN-2A	PN 250	48	30	45	19	55	15	220	30.8	0782932000	24-SDS-L42-U15/8-12F
L	42	1 7/8-12 UN-2A	PN 250	54	36	45	19	55	15	260	31.6	0782622000	24-SDS-L42-U17/8-12F
S	6	7/16-20 UNF-2A	PN 800	15.8	4	29	12.8	17	9.2	30	2.7	0782642000	24-SDS-S6-U7/16-20F
S	8	7/16-20 UNF-2A	PN 800	15.8	4	31	14.8	17	9.2	30	3.2	0782882000	24-SDS-S8-U7/16-20F
S	8	1/2-20 UNF-2A	PN 800	16.2	5	31	14.8	17	9.2	45	3.4	0782652000	24-SDS-S8-U1/2-20F
S	8	9/16-18 UNF-2A	PN 800	17.7	5	32	15	19	10	75	4.5	0782632000	24-SDS-S8-U9/16-18F
S	10	9/16-18 UNF-2A	PN 800	17.7	7	32.5	15	19	10	75	4.1	0782662000	24-SDS-S10-U9/16-18F
S	10	3/4-16 UNF-2A	PN 800	23	7	33.7	15	24	11.2	100	6.6	0782672000	24-SDS-S10-U3/4-16F
S	12	9/16-18 UNF-2A	PN 800	17.7	7	34.5	17	22	10	75	5.5	1782422000	24-SDS-S12-U9/16-18F
S	12	3/4-16 UNF-2A	PN 630	23	8	36	17.3	24	11.2	100	7.4	0782692000	24-SDS-S12-U3/4-16F
S	12	7/8-14 UNF-2A	PN 630	27	8	37	16.8	27	12.7	160	9.7	0782702000	24-SDS-S12-U7/8-14F
S	14	9/16-18 UNF-2A	PN 630	17.7	7	37	19	24	10	75	6.8	0782712000	24-SDS-S14-U9/16-18F
S	14	3/4-16 UNF-2A	PN 630	23	10	38	18.8	24	11.2	100	7.6	0782722000	24-SDS-S14-U3/4-16F
S	16	3/4-16 UNF-2A	PN 630	23	12	38	18.3	27	11.2	100	8.1	0782732000	24-SDS-S16-U3/4-16F
S	16	7/8-14 UNF-2A	PN 630	27	12	37.5	16.3	27	12.7	160	8.7	0782742000	24-SDS-S16-U7/8-14F
S	16	1 1/16-12 UN-2A	PN 630	32	12	42	18.5	32	15	270	14.4	0782752000	24-SDS-S16-U11/16-12F
S	20	3/4-16 UNF-2A	PN 420	23	10	42	20.3	32	11.2	100	12.7	0782772000	24-SDS-S20-U3/4-16F
S	20	7/8-14 UNF-2A	PN 420	27	12	43.5	20.3	32	12.7	160	13.8	0782782000	24-SDS-S20-U7/8-14F
S	20	1 1/16-12 UN-2A	PN 420	32	16	46	20.5	32	15	430	15.0	0782792000	24-SDS-S20-U11/16-12F
S	20	1 5/16-12 UN-2A	PN 420	38.1	16	48	22.5	41	15	270	25.0	1782552000	24-SDS-S20-U15/16-12F
S	20	1 5/8-12 UN-2A	PN 420	48	16	48	22.5	50	15	450	36.5	1782412000	24-SDS-S20-U15/8-12F

Continued on following page



Male stud connectors

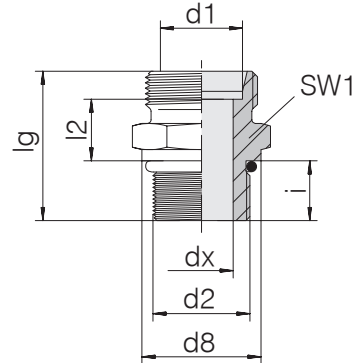
Male thread: UN/UNF, cylindrical

Threaded stud: ISO 11926-2/3

Abdichtungsart: O-Ring (Form F)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1

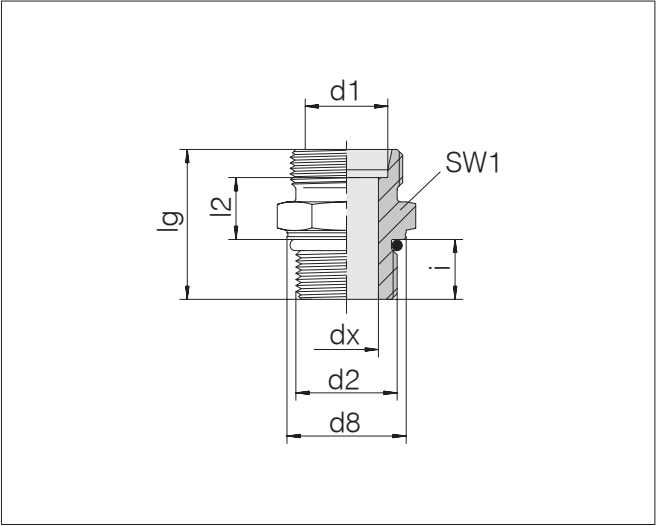


Series	Tube OD	d2	Pressure	d8	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
S	25	1 1/16-12 UN-2A	PN 420	32	16	50	23	41	15	270	23.5	0782942000	24-SDS-S25-U11/16-12F
S	25	1 5/16-12 UN-2A	PN 420	38.1	20	50	23	41	15	430	25.7	0782802000	24-SDS-S25-U15/16-12F
S	30	1 1/16-12 UN-2A	PN 420	32	16	52	23.5	46	15	270	30.1	0782812000	24-SDS-S30-U11/16-12F
S	30	1 5/16-12 UN-2A	PN 420	38.1	22	52	23.5	46	15	430	30.7	0782822000	24-SDS-S30-U15/16-12F
S	30	1 5/8-12 UN-2A	PN 420	48	25	52	23.5	50	15	450	38.1	0782852000	24-SDS-S30-U15/8-12F
S	38	1 5/8-12 UN-2A	PN 315	48	25	57	26	55	15	450	51.6	0782952000	24-SDS-S38-U15/8-12F
S	38	1 7/8-12 UN-2A	PN 315	54	32	57	26	55	15	520	51.9	0782832000	24-SDS-S38-U17/8-12F

Male stud connectors

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 6149-2/3
Sealing type: O-Ring (Form F)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d8	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PN 500	13.8	4	25	9.5	14	8.5	15	1.5	0746002000	24-SDS-L6-M10F	1)
L	6	M 14 x 1.5	PN 500	18.8	4	28	10	19	11	35	2.6	0746012000	24-SDS-L6-M14F	
L	8	M 10 x 1	PN 500	13.8	4	25.5	10	17	8.5	15	2.1	0746092000	24-SDS-L8-M10F	
L	8	M 12 x 1.5	PN 500	16.8	6	28	10	17	11	25	2.2	0746052000	24-SDS-L8-M12F	1)
L	8	M 14 x 1.5	PN 500	18.8	6	28	10	19	11	35	3.1	0746072000	24-SDS-L8-M14F	
L	8	M 18 x 1.5	PN 400	23.8	6	31	11.5	24	12.5	45	5.1	0746062000	24-SDS-L8-M18F	
L	10	M 10 x 1	PN 500	13.8	4	26.5	11	17	8.5	15	2.3	0746082000	24-SDS-L10-M10F	
L	10	M 12 x 1.5	PN 500	16.8	6	29	11	17	11	25	2.4	0746122000	24-SDS-L10-M12F	
L	10	M 14 x 1.5	PN 500	18.8	7	29	11	19	11	35	2.9	0746102000	24-SDS-L10-M14F	1)
L	10	M 16 x 1.5	PN 400	21.8	8	31	12.5	22	11.5	40	4.0	0746132000	24-SDS-L10-M16F	
L	10	M 18 x 1.5	PN 400	23.8	8	32	12.5	24	12.5	45	5.2	0746142000	24-SDS-L10-M18F	
L	10	M 22 x 1.5	PN 400	26.8	7	34	14	27	13	60	6.6	0746112000	24-SDS-L10-M22F	
L	12	M 12 x 1.5	PN 400	16.8	6	30.5	12.5	19	11	25	3.0	0746162000	24-SDS-L12-M12F	
L	12	M 14 x 1.5	PN 400	18.8	7	31	13	19	11	35	3.2	0746172000	24-SDS-L12-M14F	
L	12	M 16 x 1.5	PN 400	21.8	9	31	12.5	22	11.5	40	4.0	0746152000	24-SDS-L12-M16F	1)
L	12	M 18 x 1.5	PN 400	23.8	9	32	12.5	24	12.5	45	5.1	0746192000	24-SDS-L12-M18F	
L	12	M 22 x 1.5	PN 400	26.8	10	34	14	27	13	60	7.6	0746182000	24-SDS-L12-M22F	
L	15	M 14 x 1.5	PN 400	18.8	7	31.5	13.5	24	11	35	4.8	0746212000	24-SDS-L15-M14F	
L	15	M 16 x 1.5	PN 400	21.8	9	32.5	14	22	11.5	40	5.4	0746242000	24-SDS-L15-M16F	
L	15	M 18 x 1.5	PN 400	23.8	11	33	13.5	24	12.5	45	5.2	0746202000	24-SDS-L15-M18F	1)
L	15	M 22 x 1.5	PN 400	26.8	12	35	15	27	13	60	7.7	0746222000	24-SDS-L15-M22F	
L	18	M 18 x 1.5	PN 400	23.8	11	34.5	14.5	27	12.5	45	7.6	0746262000	24-SDS-L18-M18F	
L	18	M 22 x 1.5	PN 400	26.8	14	35	14.5	27	13	60	7.5	0746252000	24-SDS-L18-M22F	1)
L	22	M 22 x 1.5	PN 400	26.8	14	37	16.5	32	13	60	11.3	0746312000	24-SDS-L22-M22F	
L	22	M 27 x 2	PN 250	31.8	18	40	16.5	32	16	100	10.5	0746302000	24-SDS-L22-M27F	1)
L	22	M 33 x 2	PN 250	40.8	19	41	17.5	41	16	160	18.4	0746322000	24-SDS-L22-M33F	
L	22	M 42 x 2	PN 250	49.8	19	42	18.5	50	16	210	25.7	0746332000	24-SDS-L22-M42F	
L	28	M 27 x 2	PN 250	31.8	18	40	16.5	36	16	100	13.6	0746372000	24-SDS-L28-M27F	
L	28	M 33 x 2	PN 250	40.8	23	41	17.5	41	16	160	16.4	0746352000	24-SDS-L28-M33F	1)

1) Standard size

Example for comp. :
GEO06LMOMD
ISO 8434-1-SDS-L6xM10x1-F-St

Continued on following page



Male stud connectors

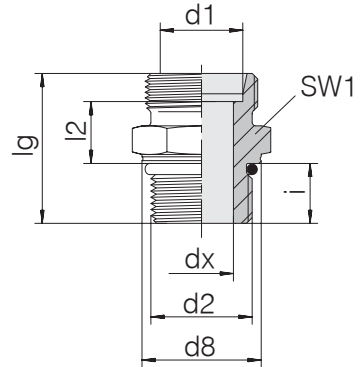
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 6149-2/3

Sealing type: O-Ring (Form F)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d8	dx	lg	l2	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	35	M 33 x 2	PN 250	40.8	23	44	17.5	46	16	160	25.9	0746422000	24-SDS-L35-M33F
L	35	M 42 x 2	PN 250	49.8	30	44	17.5	50	16	210	26.5	0746402000	24-SDS-L35-M42F
L	35	M 48 x 2	PN 250	54.8	30	47.5	19.5	55	17.5	260	36.1	0746432000	24-SDS-L35-M48F
L	42	M 42 x 2	PN 250	49.8	30	46	19	55	16	210	37.4	0746412000	24-SDS-L42-M42F
L	42	M 48 x 2	PN 250	54.8	36	47.5	19	55	17.5	260	33.0	0746452000	24-SDS-L42-M48F
S	6	M 12 x 1.5	PN 800	16.8	4	31	13	17	11	35	2.9	0746502000	24-SDS-S6-M12F
S	8	M 10 x 1	PN 800	13.8	3	29.5	13	17	9.5	15	3.2	0746572000	24-SDS-S8-M10F
S	8	M 12 x 1.5	PN 800	16.8	4	33	15	17	11	35	3.9	0746562000	24-SDS-S8-M12F
S	8	M 14 x 1.5	PN 800	18.8	5	33	15	19	11	40	4.1	0746552000	24-SDS-S8-M14F
S	10	M 16 x 1.5	PN 800	21.8	7	35	15	22	12.5	55	5.5	0746602000	24-SDS-S10-M16F
S	12	M 14 x 1.5	PN 630	18.8	5	35.5	17	22	11	40	5.9	0746672000	24-SDS-S12-M14F
S	12	M 16 x 1.5	PN 630	21.8	7	35.5	15.5	22	12.5	55	6.0	0746662000	24-SDS-S12-M16F
S	12	M 18 x 1.5	PN 630	23.8	8	38.5	17	24	14	70	7.5	0746652000	24-SDS-S12-M18F
S	12	M 22 x 1.5	PN 630	26.8	8	40	17.5	27	15	100	11.3	0746682000	24-SDS-S12-M22F
S	16	M 22 x 1.5	PN 630	26.8	12	42	18.5	27	15	100	9.9	0746752000	24-SDS-S16-M22F
S	16	M 27 x 2	PN 420	31.8	12	47.5	20.5	32	18.5	170	17.1	0746772000	24-SDS-S16-M27F
S	20	M 22 x 1.5	PN 630	26.8	12	46	20.5	32	15	100	19.0	0746812000	24-SDS-S20-M22F
S	20	M 27 x 2	PN 420	31.8	15	49.5	20.5	32	18.5	170	16.4	0746802000	24-SDS-S20-M27F
S	20	M 33 x 2	PN 420	40.8	16	51.5	22.5	41	18.5	310	27.4	0746832000	24-SDS-S20-M33F
S	25	M 27 x 2	PN 420	31.8	15	53	22.5	41	18.5	170	25.7	0746842000	24-SDS-S25-M27F
S	25	M 33 x 2	PN 420	40.8	20	53.5	23	41	18.5	310	26.9	0746852000	24-SDS-S25-M33F
S	30	M 33 x 2	PN 420	40.8	20	55.5	23.5	46	18.5	310	33.7	0746912000	24-SDS-S30-M33F
S	30	M 42 x 2	PN 420	49.8	25	56	23.5	50	19	330	49.3	0746902000	24-SDS-S30-M42F
S	38	M 48 x 2	PN 420	54.8	32	63.5	26	55	21.5	420	57.1	0746952000	24-SDS-S38-M48F

¹⁾ Standard size

Male stud elbows

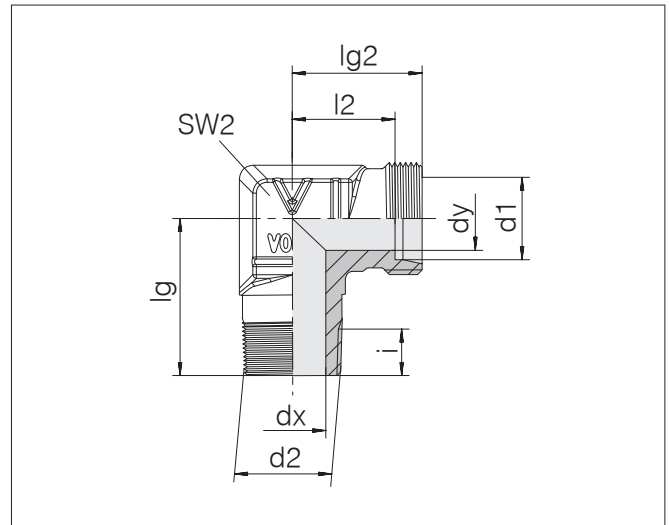
Male thread: Metric fine thread, tapered

Threaded stud: DIN 3852-1 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation
LL	4	M 6 x 1 keg	PN 100	2.5	3	17	15	11	9	6	1.0	0713012000	24-SDE-LL4-M6T
LL	4	M 8 x 1 keg	PN 100	3.5	3	17	15	11	9	6	0.9	0713002000	24-SDE-LL4-M8T ¹⁾
LL	5	M 8 x 1 keg	PN 100	3.5	3.5	17	15	9.5	11	6	1.7	0713052000	24-SDE-LL5-M8T-P
LL	6	M 6 x 1 keg	PN 100	2.3	4.5	17	15	9.5	11	6	1.5	0713962000	24-SDE-LL6-M6T-P
LL	6	M 8 x 1 keg	PN 100	3.5	4.5	17	15	9.5	11	6	1.6	0713112000	24-SDE-LL6-M8T-P
LL	6	M 10 x 1 keg	PN 100	4.5	4.5	17	15	9.5	11	6	1.7	0713102000	24-SDE-LL6-M10T-P ¹⁾
LL	8	M 10 x 1 keg	PN 100	6	6	20	17	11.5	12	6	2.2	0713152000	24-SDE-LL8-M10T-P ¹⁾
L	6	M 10 x 1 keg	PN 315	4	4	20	19	12	12	9	2.9	0714002000	24-SDE-L6-M10T-P ¹⁾
L	8	M 12 x 1.5 keg	PN 315	6	6	26	21	14	14	9	4.3	0714052000	24-SDE-L8-M12T-P ¹⁾
L	10	M 14 x 1.5 keg	PN 315	7	8	27	22	15	17	12	6.2	0714102000	24-SDE-L10-M14T-P ¹⁾
L	12	M 16 x 1.5 keg	PN 315	9	10	28	24	17	19	12	8.5	0714152000	24-SDE-L12-M16T ¹⁾
L	12	M 18 x 1.5 keg	PN 315	11	10	32	28	21	19	9	8.2	0714172000	24-SDE-L12-M18T
L	15	M 18 x 1.5 keg	PN 315	11	12	32	28	21	19	12	8.3	0714202000	24-SDE-L15-M18T ¹⁾
L	18	M 22 x 1.5 keg	PN 315	14	15	36	31	23.5	24	11	13.0	0714252000	24-SDE-L18-M22T ¹⁾
S	6	M 12 x 1.5 keg	PB 630	4	4	26	23	16	12	12	5.2	0714502000	24-SDE-S6-M12T ¹⁾
S	8	M 14 x 1.5 keg	PB 630	5	5	27	24	17	17	9	7.4	0714552000	24-SDE-S8-M14T-P ¹⁾
S	10	M 16 x 1.5 keg	PB 630	7	7	28	25	17.5	19	9	10.1	0714602000	24-SDE-S10-M16T-P ¹⁾
S	12	M 18 x 1.5 keg	PB 630	8	8	28	29	21.5	22	9	12.9	0714652000	24-SDE-S12-M18T-P ¹⁾
S	14	M 20 x 1.5 keg	PB 630	10	10	32	30	22	19	11	10.4	0714702000	24-SDE-S14-M20T ¹⁾
S	16	M 22 x 1.5 keg	PB 400	12	12	32	33	24.5	24	11	14.5	0714752000	24-SDE-S16-M22T ¹⁾

¹⁾ Standard size

Threaded stud in acc. with DIN 3852-1 Form C are approved for use for gas supply in accordance with DIN 3387-1.

Operating pressure PB 630 only applies if holes with female conical threads are available.

Example for comp. : WE06LMX DIN 2353-FL6-St



Male stud elbows

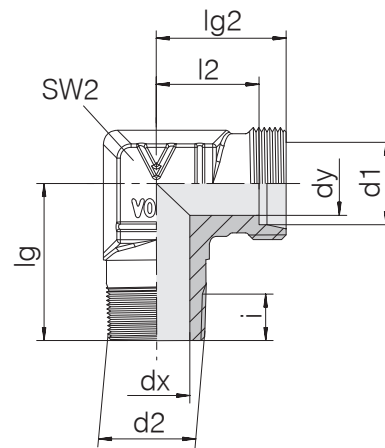
Male thread: BSPT thread, tapered

Threaded stud: DIN 3852-2 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation	
LL	4	R 1/8	PN 100	4	3	17	15	11	9	6.2	1.0	0715002000	24-SDE-LL4-R1/8T	1)
LL	5	R 1/8	PN 100	4	3.5	17	15	9.5	11	6.2	1.8	0715052000	24-SDE-LL5-R1/8T-P	1)
LL	6	R 1/8	PN 100	4.5	4.5	17	15	9.5	11	6.2	1.6	0715102000	24-SDE-LL6-R1/8T-P	1)
LL	8	R 1/8	PN 100	6	6	20	17	11.5	12	6.2	2.2	0715152000	24-SDE-LL8-R1/8T-P	1)
L	6	R 1/8	PN 315	4	4	20	19	12	12	6.2	2.7	0716002000	24-SDE-L6-R1/8T-P	1)
L	6	R 1/4	PN 315	7	4	26	21	14	14	9.3	4.5	0716022000	24-SDE-L6-R1/4T-P	
L	6	R 3/8	PN 315	9	4	27	24	17	17	9.3	6.8	0716032000	24-SDE-L6-R3/8T-P	
L	8	R 1/8	PN 315	4	6	26	21	14	14	6.2	4.6	0716062000	24-SDE-L8-R1/8T-P	
L	8	R 1/4	PN 315	6	6	26	21	14	14	9.3	4.8	0716052000	24-SDE-L8-R1/4T-P	1)
L	8	R 3/8	PN 315	8	6	28	22	15	19	9.3	8.8	0716072000	24-SDE-L8-R3/8T-P	
L	10	R 1/8	PN 315	4	7	25	22	15	17	6.2	6.7	0716112000	24-SDE-L10-R1/8T-P	
L	10	R 1/4	PN 315	7	8	27	22	15	17	9.3	5.9	0716102000	24-SDE-L10-R1/4T-P	1)
L	10	R 3/8	PN 315	7	7	28	24	17	19	9.3	9.3	0716122000	24-SDE-L10-R3/8T-P	
L	10	R 1/2	PN 315	11	7	34	27	20	19	10.4	9.6	0716132000	24-SDE-L10-R1/2T	
L	12	R 1/4	PN 315	7	9	28	24	17	19	9.3	8.5	0716162000	24-SDE-L12-R1/4T-P	
L	12	R 3/8	PN 315	9	10	28	24	17	19	9.3	9.1	0716152000	24-SDE-L12-R3/8T-P	1)
L	12	R 1/2	PN 315	11	9	34	27	20	19	10.4	9.7	0716172000	24-SDE-L12-R1/2T	
L	15	R 3/8	PN 315	9	11	32	28	21	19	9.3	9.0	0716212000	24-SDE-L15-R3/8T	
L	15	R 1/2	PN 315	11	12	34	28	21	19	10.4	9.5	0716202000	24-SDE-L15-R1/2T	1)
L	15	R 3/4	PN 160	16	12	42	28.5	21.5	27	12.4	18.6	0716222000	24-SDE-L15-R3/4T	
L	18	R 1/2	PN 315	14	15	36	31	23.5	24	14	12.6	0716252000	24-SDE-L18-R1/2T	1)
L	18	R 3/4	PN 160	18	15	42	35	27.5	27	12.4	20.2	0716272000	24-SDE-L18-R3/4T	
L	22	R 3/4	PN 160	18	19	42	35	27.5	27	12.4	17.3	0716342000	24-SDE-L22-R3/4T	

1) Standard size

Threaded stud in acc. with DIN 3852-2 Form C are approved for use for gas supply in accordance with DIN 3387-1.

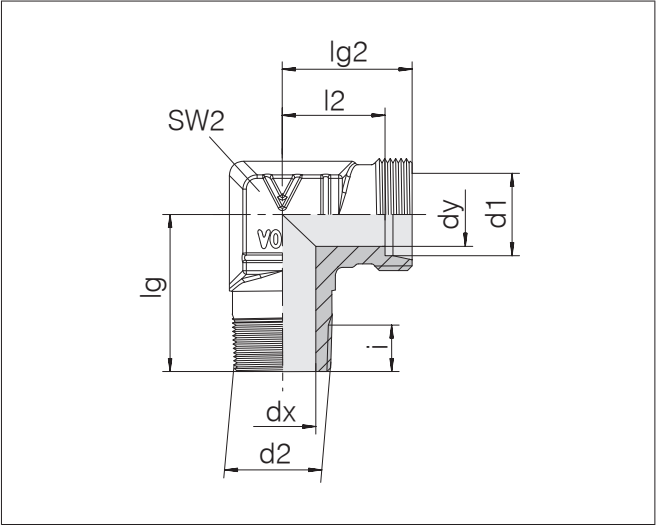
Example for comp. :
WE06LRX
DIN 2353-GL6-St

Continued on following page

Male stud elbows

Male thread: BSPT thread, tapered
Threaded stud: DIN 3852-2 Form C
Sealing type: Tapered thread
Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation	
S	6	R 1/4	PB 630	4	4	26	23	16	14	9.3	5.4	0716502000	24-SDE-S6-R1/4T-P	1)
S	8	R 1/4	PB 630	5	5	27	24	17	17	6.2	7.0	0716552000	24-SDE-S8-R1/4T-P	1)
S	10	R 1/4	PB 630	5	7	27	25	17.5	19	6.2	9.3	0716612000	24-SDE-S10-R1/4T-P	
S	10	R 3/8	PB 630	7	7	28	25	17.5	19	9.3	10.2	0716602000	24-SDE-S10-R3/8T-P	1)
S	10	R 1/2	PB 630	10	7	34	27	19.5	19	14	11.5	0716622000	24-SDE-S10-R1/2T	
S	12	R 3/8	PB 630	8	8	28	29	21.5	22	9.3	12.7	0716652000	24-SDE-S12-R3/8T-P	1)
S	12	R 1/2	PB 630	11	8	34	29	21.5	19	10.4	10.3	0716672000	24-SDE-S12-R1/2T	
S	14	R 1/4	PB 630	7	10	30	30	22	19	9.3	9.3	0716732000	24-SDE-S14-R1/4T	
S	14	R 3/8	PB 630	8	10	30	30	22	19	9.3	9.7	0716712000	24-SDE-S14-R3/8T	
S	14	R 1/2	PB 630	10	10	32	30	22	19	10.4	10.5	0716702000	24-SDE-S14-R1/2T	1)
S	16	R 1/2	PB 400	12	12	32	33	24.5	24	14	13.9	0716752000	24-SDE-S16-R1/2T	1)
S	16	R 3/4	PB 400	16	12	42	33	24.5	27	12.4	18.9	0716772000	24-SDE-S16-R3/4T	
S	20	R 1/2	PB 400	12	16	40	37	26.5	27	10.4	21.6	0716812000	24-SDE-S20-R1/2T	
S	20	R 3/4	PB 400	16	16	42	37	26.5	27	12.4	21.7	0716842000	24-SDE-S20-R3/4T	1)

1) Standard size

Operating pressure PB 630 only
applies if holes with
female conical threads are available.



Male stud elbows

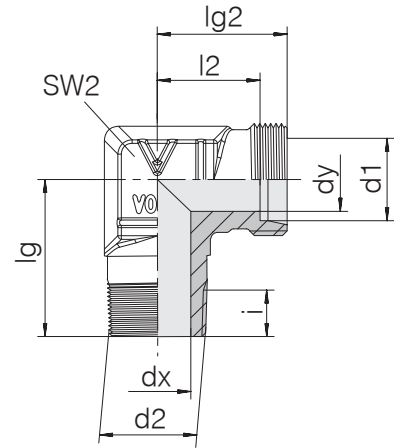
Male thread: NPT thread, tapered

Threaded stud: ASME B1.20.1

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation	
LL	4	1/8 NPT	PN 100	3	3	17	15	11	11	6.7	1.8	0717002000	24-SDE-LL4-N1/8T-P	1)
LL	6	1/8 NPT	PN 100	4.5	4.5	17	15	9.5	11	6.7	1.7	0717102000	24-SDE-LL6-N1/8T-P	1)
LL	8	1/8 NPT	PN 100	6	6	20	17	11.5	12	6.7	2.4	0717152000	24-SDE-LL8-N1/8T-P	1)
L	6	1/8 NPT	PN 315	4	4	20	19	12	12	6.7	3.0	0718002000	24-SDE-L6-N1/8T-P	1)
L	6	1/4 NPT	PN 315	4	4	26	21	14	14	10.2	4.9	0718022000	24-SDE-L6-N1/4T-P	
L	8	1/4 NPT	PN 315	6	6	26	21	14	14	10.2	4.7	0718052000	24-SDE-L8-N1/4T-P	1)
L	10	1/4 NPT	PN 315	7	7	27	22	15	17	10.2	6.2	0718102000	24-SDE-L10-N1/4T-P	1)
L	10	3/8 NPT	PN 315	9	8	28	24	17	19	10.4	9.1	0718122000	24-SDE-L10-N3/8T-P	
L	12	1/4 NPT	PN 315	7	9	28	24	17	19	10.2	8.6	0718162000	24-SDE-L12-N1/4T-P	
L	12	3/8 NPT	PN 315	9	9	28	24	17	19	10.4	9.0	0718152000	24-SDE-L12-N3/8T-P	1)
L	12	1/2 NPT	PN 315	12	9	33	28	21	24	13.6	12.3	0718172000	24-SDE-L12-N1/2T	
L	15	1/2 NPT	PN 315	11	11	36	31	24	24	13.6	14.2	0718202000	24-SDE-L15-N1/2T	1)
L	18	1/2 NPT	PN 315	14	14	37	31	23.5	24	13.6	12.9	0718252000	24-SDE-L18-N1/2T	1)
L	22	3/4 NPT	PN 160	18	19	42	35	27.5	27	13.9	17.4	0718302000	24-SDE-L22-N3/4T	1)
L	28	1 NPT	PN 160	23	24	48	38	30.5	36	20.6	28.5	0718352000	24-SDE-L28-N1T	1)
L	35	1 1/4 NPT	PN 160	30	30	54	45	34.5	41	21.2	47.7	0718402000	24-SDE-L35-N11/4T	1)
L	42	1 1/2 NPT	PN 160	36	36	61	51	40	50	18.4	72.3	0718452000	24-SDE-L42-N11/2T	1)
S	6	1/4 NPT	PN 630	4	4	26	23	16	14	10.2	5.6	0718502000	24-SDE-S6-N1/4T-P	1)
S	8	1/4 NPT	PN 630	5	5	27	24	17	17	10.2	7.3	0718552000	24-SDE-S8-N1/4T-P	1)
S	10	3/8 NPT	PN 630	7	7	28	25	17.5	19	10.4	10.4	0718602000	24-SDE-S10-N3/8T-P	1)
S	12	3/8 NPT	PN 630	8	8	29	29	21.5	22	10.4	12.6	0718652000	24-SDE-S12-N3/8T-P	1)
S	14	1/2 NPT	PN 630	10	10	33	33	25	24	13.6	14.9	0718702000	24-SDE-S14-N1/2T	1)
S	16	1/2 NPT	PN 400	12	12	36	33	24.5	24	16.2	14.6	0718752000	24-SDE-S16-N1/2T	1)
S	20	3/4 NPT	PN 400	16	16	42	37	26.5	27	13.9	21.5	0718802000	24-SDE-S20-N3/4T	1)
S	25	1 NPT	PN 400	20	20	49	42	30	36	20.6	37.6	0718852000	24-SDE-S25-N1T	1)
S	30	1 1/4 NPT	PN 400	25	25	54	49	35.5	41	18	64.8	0718902000	24-SDE-S30-N11/4T	1)
S	38	1 1/2 NPT	PN 315	32	32	61	57	41	50	18.4	97.1	0718952000	24-SDE-S38-N11/2T	1)

1) Standard size

Threaded stud NPT in acc. with ASME are approved for use for gas supply in acc. with DIN 3387-1.

Example for comp. : WE06L1/8NPTX

Male stud run tees

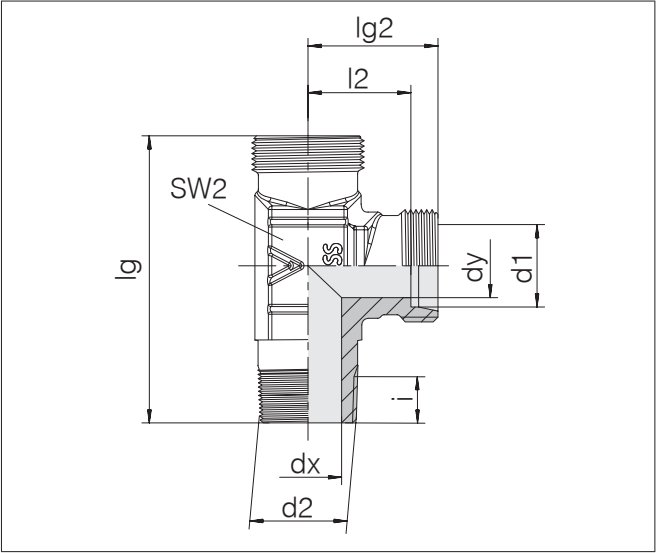
Male thread: Metric fine thread, tapered

Threaded stud: DIN 3852-1 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series		d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation
Tube OD		d1											
LL	4	M 8 x 1 keg	PN 100	3.5	3	32	15	11	9	6	1.2	0721002000	24-SDL-LL4-M8T
LL	6	M 10 x 1 keg	PN 100	4.5	4.5	32	15	9.5	9	6	1.2	0721102000	24-SDL-LL6-M10T
LL	8	M 10 x 1 keg	PN 100	6	6	37	17	11.5	12	6	2.8	0721152000	24-SDL-LL8-M10T-P
L	6	M 10 x 1 keg	PN 315	4	4	39	19	12	12	6	3.8	0722002000	24-SDL-L6-M10T-P
L	8	M 12 x 1.5 keg	PN 315	6	6	47	21	14	14	9	5.4	0722052000	24-SDL-L8-M12T-P
L	10	M 14 x 1.5 keg	PN 315	7	8	49	22	15	17	12	7.2	0722102000	24-SDL-L10-M14T-P
L	12	M 16 x 1.5 keg	PN 315	9	10	52	24	17	19	9	10.1	0722152000	24-SDL-L12-M16T-P
L	15	M 18 x 1.5 keg	PN 315	11	12	60	28	21	19	9	10.4	0722202000	24-SDL-L15-M18T
L	18	M 22 x 1.5 keg	PN 315	14	15	67	31	23.5	24	11	16.5	0722252000	24-SDL-L18-M22T
S	6	M 12 x 1.5 keg	PB 630	4	4	49	23	16	14	9	7.0	0722502000	24-SDL-S6-M12T-P
S	8	M 14 x 1.5 keg	PB 630	5	5	51	24	17	17	9	9.3	0722552000	24-SDL-S8-M14T-P
S	10	M 16 x 1.5 keg	PB 630	7	7	53	25	17.5	19	9	11.8	0722602000	24-SDL-S10-M16T-P
S	12	M 18 x 1.5 keg	PB 630	8	8	57	29	21.5	22	9	16.8	0722652000	24-SDL-S12-M18T-P
S	14	M 20 x 1.5 keg	PB 630	10	10	62	30	22	19	11	13.2	0722702000	24-SDL-S14-M20T
S	16	M 22 x 1.5 keg	PB 400	12	12	65	33	24.5	24	11	16.5	0722752000	24-SDL-S16-M22T

Operating pressure PB 630 only
applies if holes with
female conical threads are available.

Threaded stud in acc. with DIN 3852-1
Form C are approved for use
for gas supply in accordance with
DIN 3387-1.

Example for comp. :
LE06LMX
DIN 2353-AAL6-St



Male stud run tees

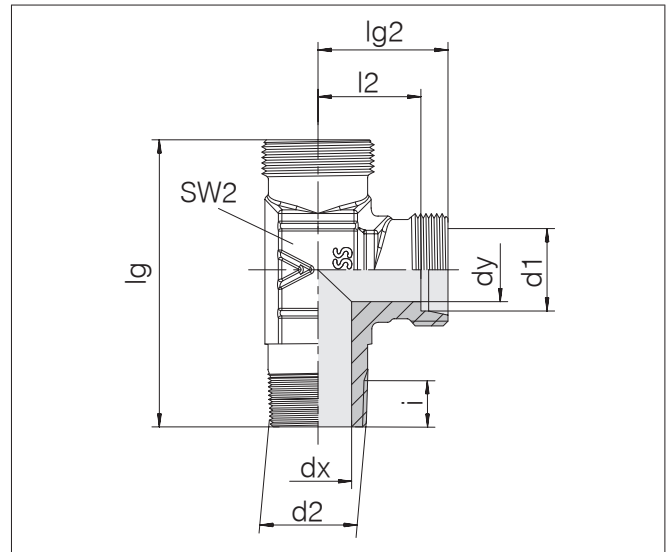
Male thread: BSPT thread, tapered

Threaded stud: DIN 3852-2 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation
LL	4	R 1/8	PN 100	4	3	32	15	11	9	6.2	1.3	0723002000	24-SDL-LL4-R1/8T
LL	6	R 1/8	PN 100	4.5	4.5	32	15	9.5	9	6.2	1.2	0723102000	24-SDL-LL6-R1/8T
LL	8	R 1/8	PN 100	6	6	37	17	11.5	12	6.2	2.8	0723152000	24-SDL-LL8-R1/8T-P
L	6	R 1/8	PN 315	4	4	39	19	12	12	6.2	3.7	0724002000	24-SDL-L6-R1/8T-P
L	8	R 1/4	PN 315	6	6	47	21	14	14	9.3	5.6	0724052000	24-SDL-L8-R1/4T-P
L	10	R 1/4	PN 315	7	8	49	22	15	17	9.3	7.3	0724102000	24-SDL-L10-R1/4T-P
L	12	R 3/8	PN 315	9	10	52	24	17	19	9.3	9.8	0724152000	24-SDL-L12-R3/8T-P
L	15	R 1/2	PN 315	11	12	62	28	21	19	14	11.7	0724202000	24-SDL-L15-R1/2T
L	18	R 1/2	PN 315	14	15	67	31	23.5	24	10.4	15.7	0724252000	24-SDL-L18-R1/2T
S	6	R 1/4	PB 630	4	4	49	23	16	14	9.3	12.1	0724502000	24-SDL-S6-R1/4T-P
S	8	R 1/4	PB 630	5	5	51	24	17	17	9.3	9.0	0724552000	24-SDL-S8-R1/4T-P
S	10	R 3/8	PB 630	7	7	53	25	17.5	19	9.3	11.9	0724602000	24-SDL-S10-R3/8T-P
S	12	R 3/8	PB 630	8	8	57	29	21.5	22	9.3	16.2	0724652000	24-SDL-S12-R3/8T-P
S	14	R 1/2	PB 630	10	10	62	30	22	19	10.4	13.7	0724702000	24-SDL-S14-R1/2T
S	16	R 1/2	PB 400	12	12	65	33	24.5	24	10.4	16.5	0724752000	24-SDL-S16-R1/2T

Operating pressure PB 630 only applies if holes with female conical threads are available.

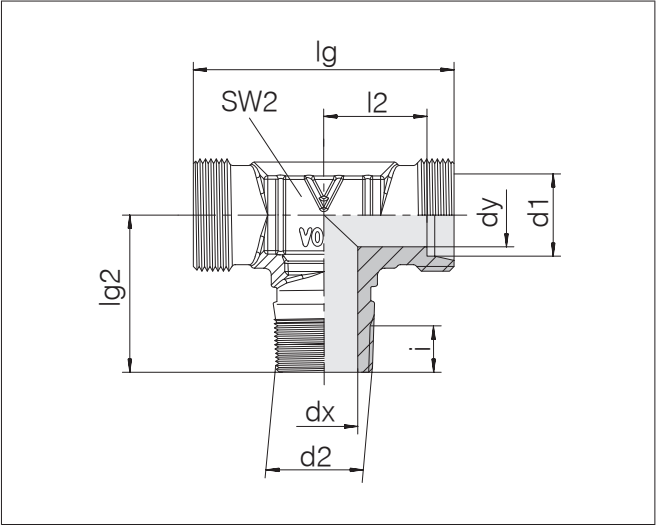
Threaded stud in acc. with DIN 3852-2 Form C are approved for use for gas supply in accordance with DIN 3387-1.

Example for comp. :
LE06LRX
DIN 2353-ABL6-St

Male stud branch tees

Male thread: Metric fine thread, tapered
Threaded stud: DIN 3852-1 Form C
Sealing type: Tapered thread
Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation
LL	4	M 8 x 1 keg	PN 100	3.5	3	30	17	11	9	6	1.2	0727002000	24-SDT-LL4-M8T
LL	6	M 10 x 1 keg	PN 100	4.5	4.5	30	17	9.5	9	6	1.2	0727102000	24-SDT-LL6-M10T
LL	8	M 10 x 1 keg	PN 100	6	6	34	20	11.5	12	6	2.8	0727152000	24-SDT-LL8-M10T-P
L	6	M 10 x 1 keg	PN 315	4	4	38	20	12	12	6	3.6	0728002000	24-SDT-L6-M10T-P
L	8	M 12 x 1.5 keg	PN 315	6	6	42	26	14	12	9	4.3	0728052000	24-SDT-L8-M12T
L	10	M 14 x 1.5 keg	PN 315	7	8	44	27	15	17	9	7.2	0728102000	24-SDT-L10-M14T-P
L	12	M 16 x 1.5 keg	PN 315	9	10	48	28	17	19	9	9.8	0728152000	24-SDT-L12-M16T-P
L	15	M 18 x 1.5 keg	PN 315	11	12	56	32	21	19	12	10.2	0728202000	24-SDT-L15-M18T
L	18	M 22 x 1.5 keg	PN 315	14	15	62	36	23.5	24	11	14.1	0728252000	24-SDT-L18-M22T
S	6	M 12 x 1.5 keg	PB 630	4	4	46	26	16	14	9	6.6	0728502000	24-SDT-S6-M12T-P
S	8	M 14 x 1.5 keg	PB 630	5	5	48	27	17	17	9	9.2	0728552000	24-SDT-S8-M14T-P
S	10	M 16 x 1.5 keg	PB 630	7	7	50	28	17.5	19	9	12.1	0728602000	24-SDT-S10-M16T-P
S	12	M 18 x 1.5 keg	PB 630	8	8	58	28	21.5	17	12.5	12.0	0728652000	24-SDT-S12-M18T
S	14	M 20 x 1.5 keg	PB 630	10	10	60	32	22	19	14	13.2	0728702000	24-SDT-S14-M20T
S	16	M 22 x 1.5 keg	PB 400	12	12	66	32	24.5	24	14	16.1	0728752000	24-SDT-S16-M22T

Operating pressure PB 630 only applies if holes with female conical threads are available.

Threaded stud in acc. with DIN 3852-1 Form C are approved for use for gas supply in accordance with DIN 3387-1.

Example for comp. : TE06LMX DIN 2353-ML6-St



Male stud branch tees

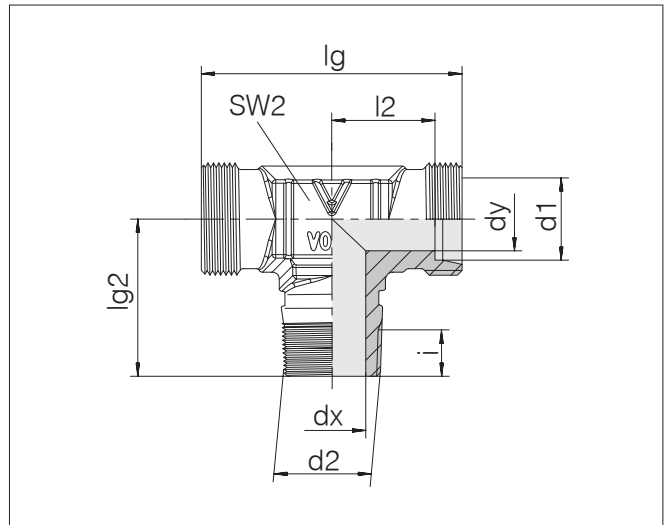
Male thread: BSPT thread, tapered

Threaded stud: DIN 3852-2 Form C

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	dx	dy	lg	lg2	l2	SW2	i	kg/100 ca.	Order-No.	Designation	
LL	4	R 1/8	PN 100	4	3	30	17	11	9	6.2	1.3	0729002000	24-SDT-LL4-R1/8T	1)
LL	6	R 1/8	PN 100	4.5	4.5	30	17	9.5	9	6.2	1.2	0729102000	24-SDT-LL6-R1/8T	1)
LL	8	R 1/8	PN 100	6	6	34	20	11.5	12	6.2	2.7	0729152000	24-SDT-LL8-R1/8T-P	1)
L	6	R 1/8	PN 315	4	4	38	20	12	12	6.2	3.6	0730002000	24-SDT-L6-R1/8T-P	1)
L	8	R 1/4	PN 315	6	6	42	26	14	14	9.3	5.8	0730052000	24-SDT-L8-R1/4T-P	1)
L	10	R 1/4	PN 315	7	8	44	27	15	17	9.3	7.2	0730102000	24-SDT-L10-R1/4T-P	1)
L	12	R 1/4	PN 315	7	9	48	28	17	19	9.3	10.2	0730162000	24-SDT-L12-R1/4T-P	
L	12	R 3/8	PN 315	9	10	48	28	17	19	9.3	10.0	0730152000	24-SDT-L12-R3/8T-P	1)
L	15	R 1/2	PN 315	11	12	56	34	21	19	10.4	11.6	0730202000	24-SDT-L15-R1/2T	1)
L	18	R 1/2	PN 315	14	15	62	36	23.5	24	10.4	15.7	0730252000	24-SDT-L18-R1/2T	1)
S	6	R 1/4	PB 630	4	4	46	26	16	14	9.3	7.1	0730502000	24-SDT-S6-R1/4T-P	1)
S	8	R 1/4	PB 630	5	5	48	27	17	17	9.3	9.2	0730552000	24-SDT-S8-R1/4T-P	1)
S	10	R 3/8	PB 630	7	7	50	28	17.5	19	9.3	12.1	0730602000	24-SDT-S10-R3/8T-P	1)
S	12	R 3/8	PB 630	8	8	58	28	21.5	22	9.3	16.3	0730652000	24-SDT-S12-R3/8T-P	1)
S	14	R 1/2	PB 630	10	10	60	32	22	19	10.4	13.8	0730702000	24-SDT-S14-R1/2T	1)
S	16	R 1/2	PB 400	12	12	66	32	24.5	24	10.4	18.5	0730752000	24-SDT-S16-R1/2T	1)

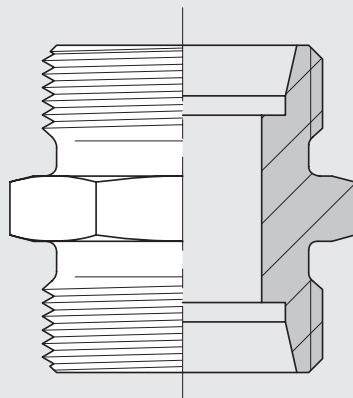
1) Standard size

Threaded stud in acc. with DIN 3852-2 Form C are approved for use for gas supply in accordance with DIN 3387-1.

Operating pressure PB 630 only applies if holes with female conical threads are available.

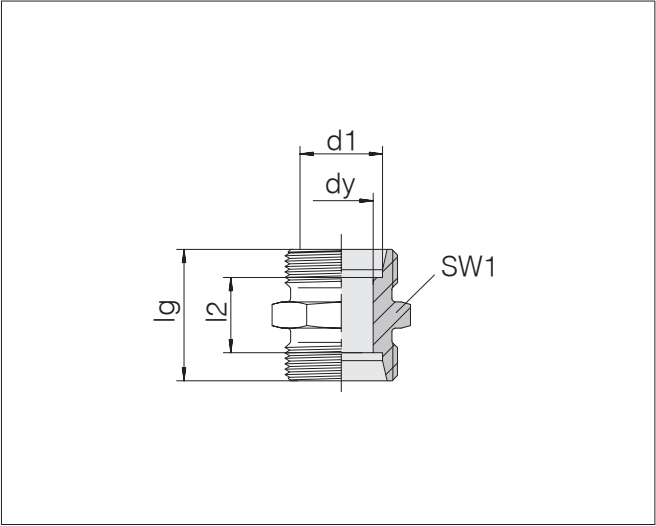
Example for comp. :
TE06LRX
DIN 2353-NL6-St

Unions



Unions

Tube coupling: 24° in acc. with ISO 8434-1



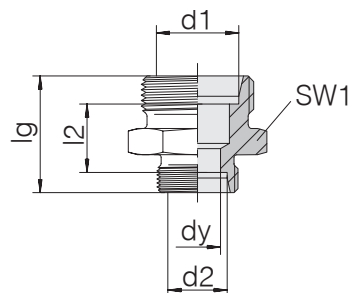
Series Tube OD d1		Pressure	dy	lg	l2	SW1	kg/100 ca.	Order-No.	Designation
LL	4	PN 100	3	20	12	9	0.5	0711002000	24-S-LL4
LL	5	PN 100	3.5	20	9	11	0.8	0711052000	24-S-LL5
LL	6	PN 100	4.5	20	9	11	0.7	0711102000	24-S-LL6
LL	8	PN 100	6	23	12	12	1.0	0711152000	24-S-LL8
L	6	PN 500	4	24	10	12	1.2	0712002000	24-S-L6
L	8	PN 500	6	25	11	14	1.6	0712052000	24-S-L8
L	10	PN 500	8	27	13	17	2.2	0712102000	24-S-L10
L	12	PN 400	10	28	14	19	2.8	0712152000	24-S-L12
L	15	PN 400	12	30	16	24	4.9	0712202000	24-S-L15
L	18	PN 400	15	31	16	27	6.7	0712252000	24-S-L18
L	22	PN 250	19	35	20	32	8.8	0712302000	24-S-L22
L	28	PN 250	24	36	21	41	13.6	0712352000	24-S-L28
L	35	PN 250	30	41	20	46	21.0	0712402000	24-S-L35
L	42	PN 250	36	43	21	55	29.4	0712452000	24-S-L42
S	6	PN 800	4	30	16	14	2.5	0712502000	24-S-S6
S	8	PN 800	5	32	18	17	3.7	0712552000	24-S-S8
S	10	PN 800	7	32	17	19	4.3	0712602000	24-S-S10
S	12	PN 630	8	34	19	22	5.9	0712652000	24-S-S12
S	14	PN 630	10	38	22	24	7.5	0712702000	24-S-S14
S	16	PN 630	12	38	21	27	8.7	0712752000	24-S-S16
S	20	PN 420	16	44	23	32	14.2	0712802000	24-S-S20
S	25	PN 420	20	50	26	41	25.0	0712852000	24-S-S25
S	30	PN 420	25	54	27	46	32.3	0712902000	24-S-S30
S	38	PN 420	32	61	29	55	53.8	0712952000	24-S-S38

Example for comp. :
G06LX
ISO 8434-1-S-L6-St



Straight reducers

Tube coupling: 24° in acc. with ISO 8434-1



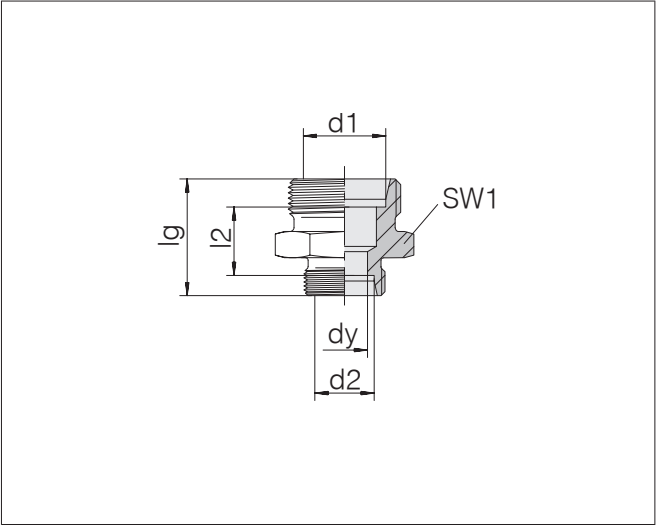
Series Tube OD d1	Series Tube OD d2	Pressure	dy	lg	l2	SW1	kg/100 ca.	Order-No.	Designation
LL 6	LL 4	PN 100	3	20	10.5	11	0.7	0711122000	24-S-LL6-LL4
LL 8	LL 4	PN 100	3	22	12.5	12	0.9	0711182000	24-S-LL8-LL4
LL 8	LL 6	PN 100	4.5	22	11	12	1.1	0711192000	24-S-LL8-LL6
L 8	L 6	PN 500	4	25	11	14	1.5	0712062000	24-S-L8-L6
L 10	L 6	PN 500	4	26	12	17	2.0	0712122000	24-S-L10-L6
L 10	L 8	PN 500	6	26	12	17	2.1	0712112000	24-S-L10-L8
L 12	L 6	PN 400	4	27	13	19	2.5	0712182000	24-S-L12-L6
L 12	L 8	PN 400	6	27	13	19	2.6	0712172000	24-S-L12-L8
L 12	L 10	PN 400	8	28	14	19	2.7	0712162000	24-S-L12-L10
L 15	L 6	PN 400	4	28	14	24	3.8	0712242000	24-S-L15-L6
L 15	L 8	PN 400	6	28	14	24	4.0	0712232000	24-S-L15-L8
L 15	L 10	PN 400	8	29	15	24	4.1	0712222000	24-S-L15-L10
L 15	L 12	PN 400	10	29	15	24	4.2	0712212000	24-S-L15-L12
L 18	L 8	PN 400	6	29	14.5	27	6.0	0712292000	24-S-L18-L8
L 18	L 10	PN 400	8	30	15.5	27	5.6	0712282000	24-S-L18-L10
L 18	L 12	PN 400	10	30	15.5	27	5.7	0712272000	24-S-L18-L12
L 18	L 15	PN 400	12	31	16.5	27	6.1	0712262000	24-S-L18-L15
L 22	L 10	PN 250	8	32	17.5	32	7.5	0712342000	24-S-L22-L10
L 22	L 12	PN 250	10	32	17.5	32	7.6	0712332000	24-S-L22-L12
L 22	L 15	PN 250	12	33	18.5	32	8.1	0712322000	24-S-L22-L15
L 22	L 18	PN 250	15	33	18	32	8.6	0712312000	24-S-L22-L18
L 28	L 10	PN 250	8	33	18.5	41	12.2	0711822000	24-S-L28-L10
L 28	L 15	PN 250	12	34	19.5	41	12.2	0712382000	24-S-L28-L15
L 28	L 18	PN 250	15	34	19	41	12.3	0712372000	24-S-L28-L18
L 28	L 22	PN 250	19	36	21	41	13.2	0712362000	24-S-L28-L22
L 35	L 22	PN 250	19	39	21	46	19.0	0712422000	24-S-L35-L22
L 35	L 28	PN 250	24	39	21	46	19.0	0712412000	24-S-L35-L28
L 42	L 28	PN 250	24	41	22.5	55	26.8	0712472000	24-S-L42-L28
L 42	L 35	PN 250	30	43	21.5	55	29.3	0712462000	24-S-L42-L35

Example for comp. :
GR08/06LX
ISO 8434-1-RDS-L8xL6-St

Continued on following page

Straight reducers

Tube coupling: 24° in acc. with ISO 8434-1

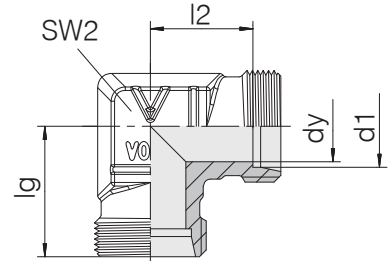


Series Tube OD d1		Series Tube OD d2		Pressure	dy	lg	l2	SW1	kg/100 ca.	Order-No.	Designation
S	8	S	6	PN 800	4	32	18	17	3.4	0712562000	24-S-S8-S6
S	10	S	6	PN 800	4	32	17.5	19	4.0	0712622000	24-S-S10-S6
S	10	S	8	PN 800	5	32	17.5	19	4.2	0712612000	24-S-S10-S8
S	12	S	6	PN 630	4	34	19.5	22	5.4	0712682000	24-S-S12-S6
S	12	S	8	PN 630	5	34	19.5	22	5.6	0712672000	24-S-S12-S8
S	12	S	10	PN 630	7	34	19	22	5.8	0712662000	24-S-S12-S10
S	14	S	10	PN 630	7	36	20.5	24	6.9	0712722000	24-S-S14-S10
S	14	S	12	PN 630	8	36	20.5	24	7.0	0712712000	24-S-S14-S12
S	16	L	12	PN 400	10	35	19.5	27	7.7	0711982000	24-S-S16-L12
S	16	L	15	PN 400	12	36	20.5	27	7.9	0799632000	24-S-S16-L15
S	16	S	8	PN 630	5	36	20.5	27	7.8	0712792000	24-S-S16-S8
S	16	S	10	PN 630	7	36	20	27	7.9	0712782000	24-S-S16-S10
S	16	S	12	PN 630	8	36	20	27	8.0	0712772000	24-S-S16-S12
S	16	S	14	PN 630	10	38	21.5	27	8.7	0712762000	24-S-S16-S14
S	20	L	15	PN 400	12	40	22.5	32	13.9	0796222000	24-S-S20-L15
S	20	S	10	PN 420	7	40	22	32	12.2	0712842000	24-S-S20-S10
S	20	S	12	PN 420	8	40	22	32	12.5	0712832000	24-S-S20-S12
S	20	S	14	PN 420	10	42	23.5	32	12.9	0712822000	24-S-S20-S14
S	20	S	16	PN 420	12	42	23	32	12.9	0712812000	24-S-S20-S16
S	25	S	16	PN 420	12	46	25.5	41	22.0	0712872000	24-S-S25-S16
S	25	S	20	PN 420	16	48	25.5	41	23.2	0712862000	24-S-S25-S20
S	30	S	20	PN 420	16	50	26	46	29.4	0712922000	24-S-S30-S20
S	30	S	25	PN 420	20	52	26.5	46	31.1	0712912000	24-S-S30-S25
S	38	S	25	PN 420	20	57	29	55	48.2	0712972000	24-S-S38-S25
S	38	S	30	PN 420	25	59	29.5	55	48.8	0712962000	24-S-S38-S30



Union elbows

Tube coupling: 24° in acc. with ISO 8434-1

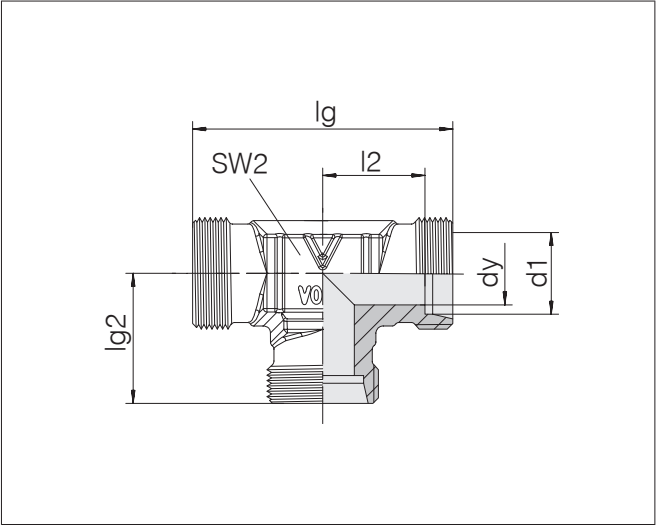


Series	Tube OD	Pressure	dy	lg	l2	SW2	kg/100 ca.	Order-No.	Designation
LL	4	PN 100	3	15	11	9	1.3	0719002000	24-E-LL4-P
LL	6	PN 100	4.5	15	9.5	11	1.5	0719102000	24-E-LL6-P
LL	8	PN 100	6	17	11.5	12	2.3	0719152000	24-E-LL8-P
L	6	PN 500	4	19	12	12	2.8	0720002000	24-E-L6-P
L	8	PN 500	6	21	14	14	4.1	0720052000	24-E-L8-P
L	10	PN 500	8	22	15	17	5.6	0720102000	24-E-L10-P
L	12	PN 400	10	24	17	19	7.7	0720152000	24-E-L12-P
L	15	PN 400	12	28	21	19	7.4	0720202000	24-E-L15
L	18	PN 400	15	31	23.5	24	11.9	0720252000	24-E-L18
L	22	PN 250	19	35	27.5	27	15.2	0720302000	24-E-L22
L	28	PN 250	24	38	30.5	36	25.1	0720352000	24-E-L28
L	35	PN 250	30	45	34.5	41	43.1	0720402000	24-E-L35
L	42	PN 250	36	51	40	50	78.2	0720452000	24-E-L42
S	6	PN 800	4	23	16	14	5.1	0720502000	24-E-S6-P
S	8	PN 800	5	24	17	17	7.2	0720552000	24-E-S8-P
S	10	PN 800	7	25	17.5	19	9.8	0720602000	24-E-S10-P
S	12	PN 630	8	29	21.5	22	14.4	0720652000	24-E-S12-P
S	14	PN 630	10	30	22	19	10.4	0720702000	24-E-S14
S	16	PN 630	12	33	24.5	24	12.7	0720752000	24-E-S16
S	20	PN 420	16	37	26.5	27	20.5	0720802000	24-E-S20
S	25	PN 420	20	42	30	36	34.9	0720852000	24-E-S25
S	30	PN 420	25	49	35.5	41	58.8	0720902000	24-E-S30
S	38	PN 420	32	57	41	50	103.1	0720952000	24-E-S38

Example for comp. :
W06LX
ISO 8434-1-E-L6-St

Union tees

Tube coupling: 24° in acc. with ISO 8434-1



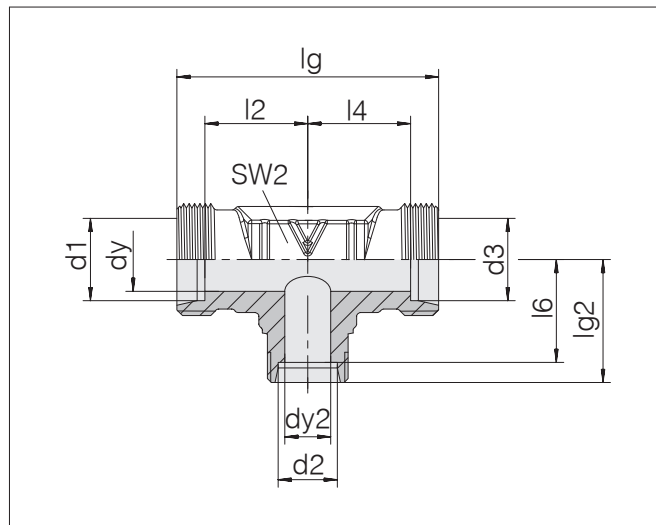
Series		Pressure	dy	lg	lg2	l2	SW2	kg/100 ca.	Order-No.	Designation
Tube OD d1										
LL	4	PN 100	3	30	15	11	9	1.1	0733002000	24-T-LL4
LL	5	PN 100	3.5	30	15	9.5	9	1.2	0733052000	24-T-LL5
LL	6	PN 100	4.5	30	15	9.5	9	1.0	0733102000	24-T-LL6
LL	8	PN 100	6	34	17	11.5	12	2.8	0733152000	24-T-LL8-P
L	6	PN 500	4	38	19	12	12	3.5	0734002000	24-T-L6-P
L	8	PN 500	6	42	21	14	14	5.1	0734052000	24-T-L8-P
L	10	PN 500	8	44	22	15	17	6.7	0734102000	24-T-L10-P
L	12	PN 400	10	48	24	17	19	9.1	0734152000	24-T-L12-P
L	15	PN 400	12	56	28	21	19	10.0	0734202000	24-T-L15
L	18	PN 400	15	62	31	23.5	24	15.0	0734252000	24-T-L18
L	22	PN 250	19	70	35	27.5	27	18.6	0734302000	24-T-L22
L	28	PN 250	24	76	38	30.5	36	29.9	0734352000	24-T-L28
L	35	PN 250	30	90	45	34.5	41	52.3	0734402000	24-T-L35
L	42	PN 250	36	102	51	40	50	91.5	0734452000	24-T-L42
S	6	PN 800	4	46	23	16	14	6.7	0734502000	24-T-S6-P
S	8	PN 800	5	48	24	17	17	9.1	0734552000	24-T-S8-P
S	10	PN 800	7	50	25	17.5	19	11.5	0734602000	24-T-S10-P
S	12	PN 630	8	58	29	21.5	22	17.3	0734652000	24-T-S12-P
S	14	PN 630	10	60	30	22	19	13.1	0734702000	24-T-S14
S	16	PN 630	12	66	33	24.5	24	16.5	0734752000	24-T-S16
S	20	PN 420	16	74	37	26.5	27	26.0	0734802000	24-T-S20
S	25	PN 420	20	84	42	30	36	43.6	0734852000	24-T-S25
S	30	PN 420	25	98	49	35.5	41	71.5	0734902000	24-T-S30
S	38	PN 420	32	114	57	41	50	125.8	0734952000	24-T-S38

Example for comp. :
T06LX
ISO 8434-1-T-L6-St



Tee reducers

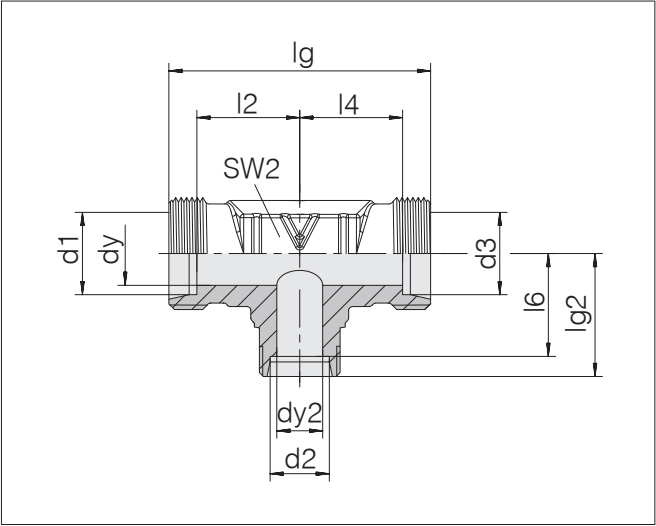
Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	d3	Pressure	dy	dy2	lg	lg2	l2	l4	l6	SW2	kg/100 ca.	Order-No.	Designation
L	6	8	6	PN 500	4	6	42	21	14	14	14	14	5.1	0799772000	24-T-L6-L8-L6-P
L	6	10	6	PN 500	4	8	44	22	15	15	15	17	6.6	0799562000	24-T-L6-L10-L6-P
L	8	6	8	PN 500	6	4	42	21	14	14	14	14	5.2	0734062000	24-T-L8-L6-L8-P
L	8	8	6	PN 500	4	6	42	21	14	14	14	14	5.0	0799592000	24-T-L8-L8-L6-P
L	8	10	8	PN 500	6	8	44	22	15	15	15	17	6.9	0799762000	24-T-L8-L10-L8-P
L	8	12	8	PN 400	6	10	48	24	17	17	17	19	9.7	0799512000	24-T-L8-L12-L8-P
L	10	6	10	PN 500	8	4	44	22	15	15	15	17	6.6	0734122000	24-T-L10-L6-L10-P
L	10	6	6	PN 500	4	4	44	22	15	15	15	14	6.5	0799572000	24-T-L10-L6-L6-P
L	10	8	10	PN 500	8	6	44	22	15	15	15	17	6.7	0734112000	24-T-L10-L8-L10-P
L	10	10	6	PN 500	4	8	44	22	15	15	15	17	6.5	0733542000	24-T-L10-L10-L6-P
L	10	12	10	PN 400	8	10	48	24	17	17	17	19	8.9	0799522000	24-T-L10-L12-L10-P
L	10	15	10	PN 400	8	11	56	28	21	21	21	19	10.5	0799462000	24-T-L10-L15-L10
L	12	6	12	PN 400	10	4	48	24	17	17	17	19	9.4	1794292000	24-T-L12-L6-L12
L	12	8	12	PN 400	10	6	48	24	17	17	17	19	9.3	0734172000	24-T-L12-L8-L12-P
L	12	8	8	PN 400	6	6	48	24	17	17	17	19	9.3	1794262000	24-T-L12-L8-L8
L	12	10	10	PN 400	8	8	48	24	17	17	17	19	9.2	0797322000	24-T-L12-L10-L10-P
L	12	10	12	PN 400	10	8	48	24	17	17	17	19	9.0	0734162000	24-T-L12-L10-L12-P
L	12	12	10	PN 400	8	10	48	24	17	17	17	19	9.1	0799552000	24-T-L12-L12-L10-P
L	12	12	8	PN 400	6	10	48	24	17	17	17	19	9.2	0799542000	24-T-L12-L12-L8-P
L	12	15	12	PN 400	10	12	56	28	21	21	21	19	9.9	0799472000	24-T-L12-L15-L12
L	12	18	12	PN 400	10	15	62	31	24	24	23.5	24	15.5	0799382000	24-T-L12-L18-L12
L	12	22	12	PN 250	10	19	70	35	28	28	27.5	27	23.5	0796532000	24-T-L12-L22-L12
L	15	6	15	PN 400	12	4	56	28	21	21	21	19	10.2	0734242000	24-T-L15-L6-L15
L	15	8	15	PN 400	12	6	56	28	21	21	21	19	10.2	0734232000	24-T-L15-L8-L15
L	15	10	10	PN 400	8	8	56	28	21	21	21	19	9.9	0799492000	24-T-L15-L10-L10
L	15	10	15	PN 400	12	8	56	28	21	21	21	19	9.8	0734222000	24-T-L15-L10-L15
L	15	12	12	PN 400	10	10	56	28	21	21	21	19	9.9	0797612000	24-T-L15-L12-L12
L	15	12	15	PN 400	12	10	56	28	21	21	21	19	9.9	0734212000	24-T-L15-L12-L15
L	15	15	10	PN 400	8	12	56	28	21	21	21	19	10.0	0799942000	24-T-L15-L15-L10
L	15	15	12	PN 400	10	12	56	28	21	21	21	19	9.9	0797732000	24-T-L15-L15-L12
L	15	18	15	PN 400	12	15	62	31	24	24	24	24	19.3	0799952000	24-T-L15-L18-L15

Tee reducers

Tube coupling: 24° in acc. with ISO 8434-1



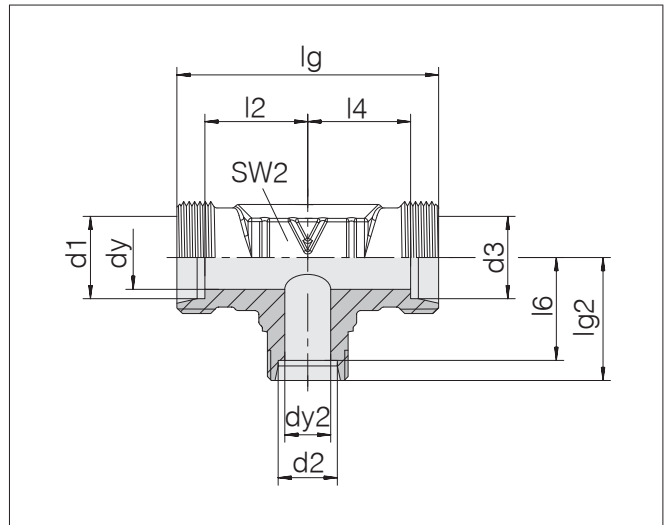
Series	Tube OD	d2	d3	Pressure	dy	dy2	lg	lg2	l2	l4	l6	SW2	kg/100 ca.	Order-No.	Designation
d1															
L	15	22	15	PN 250	12	19	70	35	28	28	27.5	27	22.6	0799972000	24-T-L15-L22-L15
L	18	8	18	PN 400	15	6	62	31	23.5	23.5	24	24	19.0	0734292000	24-T-L18-L8-L18
L	18	10	10	PN 400	8	8	62	31	23.5	23.5	24	24	15.2	0799402000	24-T-L18-L10-L10
L	18	10	18	PN 400	15	8	62	31	23.5	23.5	24	24	15.4	0734282000	24-T-L18-L10-L18
L	18	12	18	PN 400	15	10	62	31	23.5	23.5	24	24	15.1	0734272000	24-T-L18-L12-L18
L	18	15	15	PN 400	12	12	62	31	23.5	23.5	24	24	18.9	0799412000	24-T-L18-L15-L15
L	18	15	18	PN 400	15	12	62	31	23.5	23.5	24	24	15.4	0734262000	24-T-L18-L15-L18
L	18	18	10	PN 400	8	15	62	31	23.5	23.5	23.5	24	15.1	0799422000	24-T-L18-L18-L10
L	18	18	15	PN 400	12	15	62	31	23.5	23.5	23.5	24	18.9	0799442000	24-T-L18-L18-L15
L	18	22	15	PN 250	12	19	70	35	27.5	27.5	27.5	27	23.3	0799742000	24-T-L18-L22-L15
L	18	22	18	PN 250	15	19	70	35	27.5	27.5	27.5	27	22.2	0799962000	24-T-L18-L22-L18
L	22	10	22	PN 250	19	8	70	35	27.5	27.5	28	27	20.4	0734342000	24-T-L22-L10-L22
L	22	12	22	PN 250	19	10	70	35	27.5	27.5	28	27	19.7	0734332000	24-T-L22-L12-L22
L	22	15	15	PN 250	12	12	70	35	28	27.5	28	27	21.2	0799362000	24-T-L22-L15-L15
L	22	15	22	PN 250	19	12	70	35	27.5	27.5	28	27	19.9	0734322000	24-T-L22-L15-L22
L	22	18	18	PN 250	15	15	70	35	27.5	27.5	27.5	27	21.2	0733562000	24-T-L22-L18-L18
L	22	18	22	PN 250	19	15	70	35	27.5	27.5	27.5	27	20.5	0734312000	24-T-L22-L18-L22
L	22	22	18	PN 250	15	19	70	35	27.5	27.5	27.5	27	19.8	0733652000	24-T-L22-L22-L18
L	22	28	22	PN 250	19	24	76	38	30.5	30.5	30.5	36	36.4	0796512000	24-T-L22-L28-L22
L	28	10	28	PN 250	24	8	76	38	30.5	30.5	31	36	31.8	0799312000	24-T-L28-L10-L28
L	28	12	28	PN 250	24	10	76	38	30.5	30.5	31	36	32.1	0734392000	24-T-L28-L12-L28
L	28	15	28	PN 250	24	12	76	38	30.5	30.5	31	36	32.3	0734382000	24-T-L28-L15-L28
L	28	18	28	PN 250	24	15	76	38	30.5	30.5	30.5	36	31.7	0734372000	24-T-L28-L18-L28
L	28	22	22	PN 250	19	19	76	38	30.5	30.5	30.5	36	32.3	0796352000	24-T-L28-L22-L22
L	28	22	28	PN 250	24	19	76	38	30.5	30.5	30.5	36	30.0	0734362000	24-T-L28-L22-L28
L	28	35	28	PN 250	24	30	90	45	37.5	37.5	34.5	41	61.8	1734082000	24-T-L28-L35-L28
L	28	42	28	PN 250	24	36	102	51	43.5	43.5	40	50	112.0	1734102000	24-T-L28-L42-L28
L	35	18	35	PN 250	30	15	90	45	34.5	34.5	37.5	41	60.0	0734432000	24-T-L35-L18-L35
L	35	28	28	PN 250	24	24	90	45	34.5	37.5	37.5	41	59.0	1734042000	24-T-L35-L28-L28
L	35	28	35	PN 250	30	24	90	45	34.5	34.5	37.5	41	54.0	0734412000	24-T-L35-L28-L35
L	35	42	35	PN 250	30	36	102	51	40.5	40.5	40	50	106.0	1734092000	24-T-L35-L42-L35

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Tee reducers

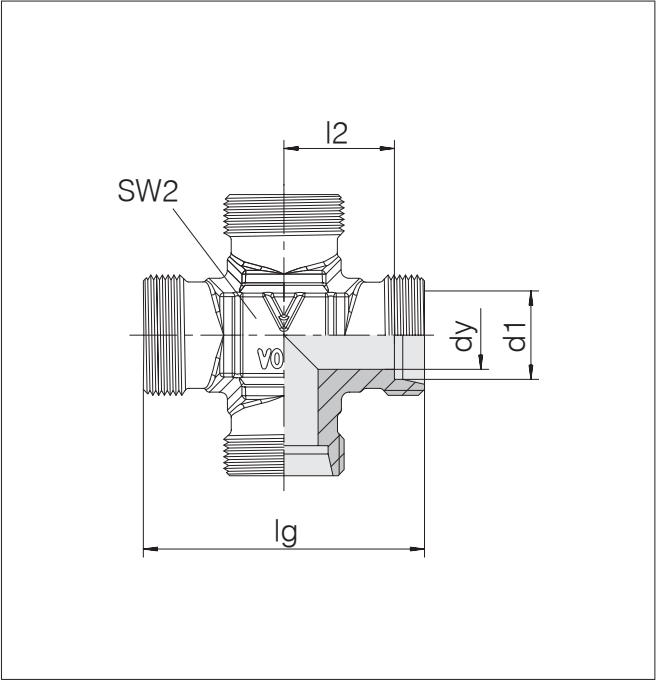
Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	d3	Pressure	dy	dy2	lg	lg2	l2	l4	l6	SW2	kg/100 ca.	Order-No.	Designation
Tube OD d1														
L 42	18	42	PN 250	36	15	102	51	40	40	43.5	50	92.2	0734492000	24-T-L42-L18-L42
L 42	22	42	PN 250	36	19	102	51	40	40	43.5	50	101.6	0734482000	24-T-L42-L22-L42
L 42	28	42	PN 250	36	24	102	51	40	40	43.5	50	97.4	0734472000	24-T-L42-L28-L42
S 10	6	10	PN 800	7	4	50	25	17.5	17.5	18	19	11.7	0734622000	24-T-S10-S6-S10-P
S 12	8	12	PN 630	8	5	58	29	21.5	21.5	22	22	17.5	0734672000	24-T-S12-S8-S12-P
S 12	8	8	PN 630	5	5	58	29	21.5	21.5	22	22	16.9	0799302000	24-T-S12-S8-S8-P
S 12	10	12	PN 630	8	7	58	29	21.5	21.5	21.5	22	17.6	0734662000	24-T-S12-S10-S12-P
S 12	16	12	PN 630	8	12	66	33	24.5	24.5	24.5	24	17.7	0797822000	24-T-S12-S16-S12
S 16	6	16	PN 630	12	4	66	33	24.5	24.5	26	24	16.8	0799292000	24-T-S16-S6-S16
S 16	8	16	PN 630	12	5	66	33	24.5	24.5	26	24	17.1	0734792000	24-T-S16-S8-S16
S 16	10	16	PN 630	12	7	66	33	24.5	24.5	25.5	24	17.1	0734782000	24-T-S16-S10-S16
S 16	12	16	PN 630	12	8	66	33	24.5	24.5	25.5	24	16.9	0734772000	24-T-S16-S12-S16
S 16	20	16	PN 420	12	16	74	37	28.5	28.5	26.5	27	26.7	0799222000	24-T-S16-S20-S16
S 20	10	20	PN 420	16	7	74	37	26.5	26.5	29.5	27	26.4	0734842000	24-T-S20-S10-S20
S 20	12	20	PN 420	16	8	74	37	26.5	26.5	29.5	27	26.5	0734832000	24-T-S20-S12-S20
S 20	16	16	PN 420	12	12	74	37	26.5	28.5	28.5	27	25.3	0795972000	24-T-S20-S16-S16
S 20	16	20	PN 420	16	12	74	37	26.5	26.5	28.5	27	25.9	0734812000	24-T-S20-S16-S20
S 20	25	20	PN 420	16	20	84	42	31.5	31.5	30	36	45.3	0797452000	24-T-S20-S25-S20
S 25	12	25	PN 420	20	8	84	42	30	30	34.5	36	44.8	0734892000	24-T-S25-S12-S25
S 25	16	25	PN 420	20	12	84	42	30	30	33.5	36	44.5	0734872000	24-T-S25-S16-S25
S 25	18	25	PN 420	20	15	84	42	30	30	34.5	36	46.6	1796912000	24-T-S25-L18-S25
S 25	20	25	PN 420	20	16	84	42	30	30	31.5	36	43.4	0734862000	24-T-S25-S20-S25
S 25	25	20	PN 420	16	20	84	42	30	31.5	30	36	47.4	0733572000	24-T-S25-S25-S20
S 25	30	25	PN 420	20	25	98	49	37	37	35.5	41	77.8	0733982000	24-T-S25-S30-S25
S 30	16	30	PN 420	25	12	98	49	35.5	35.5	40.5	41	79.0	0734932000	24-T-S30-S16-S30
S 30	20	30	PN 420	25	16	98	49	35.5	35.5	38.5	41	71.0	0734922000	24-T-S30-S20-S30
S 38	16	38	PN 420	32	12	114	57	41	41	48.5	50	120.4	0734992000	24-T-S38-S16-S38
S 38	25	38	PN 420	32	20	114	57	41	41	45	50	118.3	0734972000	24-T-S38-S25-S38
S 38	38	25	PN 420	20	32	114	57	41	45	41	50	134.1	0733482000	24-T-S38-S38-S25

Union crosses

Tube coupling: 24° in acc. with ISO 8434-1

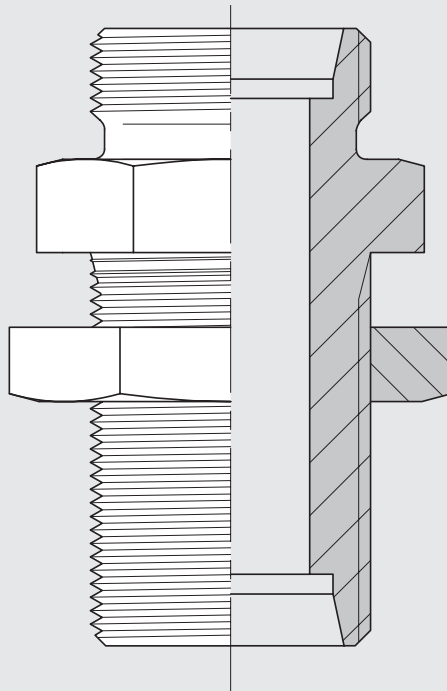


Series		Pressure	dy	lg	l2	SW2	kg/100 ca.	Order-No.	Designation
Tube OD									
d1									
LL	4	PN 100	3	30	11	12	2.1	0735002000	24-K-LL4
LL	6	PN 100	4.5	30	9.5	12	2.3	0735102000	24-K-LL6
LL	8	PN 100	6	34	11.5	12	2.7	0735152000	24-K-LL8
L	6	PN 315	4	38	12	12	3.9	0736002000	24-K-L6
L	8	PN 315	6	42	14	12	4.6	0736052000	24-K-L8
L	10	PN 315	8	44	15	14	5.2	0736102000	24-K-L10
L	12	PN 315	10	48	17	17	8.2	0736152000	24-K-L12
L	15	PN 315	12	56	21	19	12.7	0736202000	24-K-L15
L	18	PN 315	15	62	23.5	24	18.8	0736252000	24-K-L18
L	22	PN 160	19	70	27.5	27	21.0	0736302000	24-K-L22
L	28	PN 160	24	76	30.5	36	34.6	0736352000	24-K-L28
L	35	PN 160	30	90	34.5	41	62.3	0736402000	24-K-L35
L	42	PN 160	36	102	40	50	94.5	0736452000	24-K-L42
S	6	PN 630	4	46	16	12	6.6	0736502000	24-K-S6
S	8	PN 630	5	48	17	14	8.1	0736552000	24-K-S8
S	10	PN 630	7	50	17.5	17	10.7	0736602000	24-K-S10
S	12	PN 630	8	58	21.5	17	14.9	0736652000	24-K-S12
S	14	PN 630	10	60	22	19	15.8	0736702000	24-K-S14
S	16	PN 400	12	66	24.5	24	23.3	0736752000	24-K-S16
S	20	PN 400	16	74	26.5	27	29.4	0736802000	24-K-S20
S	25	PN 400	20	84	30	36	51.9	0736852000	24-K-S25
S	30	PN 400	25	98	35.5	41	89.0	0736902000	24-K-S30
S	38	PN 315	32	114	41	50	140.3	0736952000	24-K-S38

Example for comp. :
K06LX
ISO 8434-1-K-L6-St

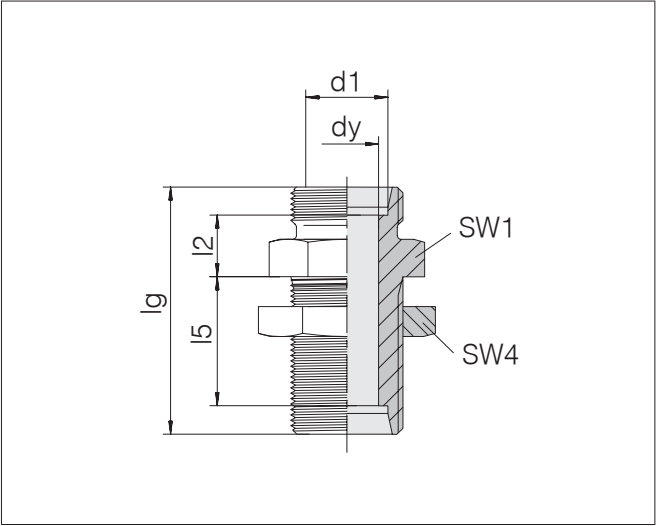


Bulkhead unions



Bulkhead unions

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD d1		Pressure	dy	lg	l2	l5	SW1	SW4	kg/100 ca.	Order-No.	Designation
L	6	PN 500	4	48	7	27	17	17	3.8	0137002066	24-BHSLN-L6
L	8	PN 500	6	49	8	27	19	19	4.9	0137052066	24-BHSLN-L8
L	10	PN 500	8	52	10	28	22	22	6.6	0137102066	24-BHSLN-L10
L	12	PN 400	10	53	10	29	24	24	7.6	0137152066	24-BHSLN-L12
L	15	PN 400	12	57	12	31	27	30	12.8	0137202066	24-BHSLN-L15
L	18	PN 400	15	61	13.5	32.5	32	36	19.9	0137252066	24-BHSLN-L18
L	22	PN 250	19	66	16.5	34.5	36	41	24.8	0137302066	24-BHSLN-L22
L	28	PN 250	24	69	18.5	35.5	41	46	33.8	0137352066	24-BHSLN-L28
L	35	PN 250	30	76	18.5	36.5	50	55	53.9	0137402066	24-BHSLN-L35
L	42	PN 250	36	77	19	36	60	65	75.6	0137452066	24-BHSLN-L42
S	6	PN 800	4	55	12	29	19	19	6.5	0137502066	24-BHSLN-S6
S	8	PN 800	5	56	13	29	22	22	8.7	0137552066	24-BHSLN-S8
S	10	PN 800	7	59	14.5	29.5	24	24	11.0	0137602066	24-BHSLN-S10
S	12	PN 630	8	60	14.5	30.5	27	27	13.9	0137652066	24-BHSLN-S12
S	14	PN 630	10	65	17	32	30	30	17.8	0137702066	24-BHSLN-S14
S	16	PN 630	12	65	16.5	31.5	32	32	19.7	0137752066	24-BHSLN-S16
S	20	PN 420	16	72	17.5	33.5	41	41	34.5	0137802066	24-BHSLN-S20
S	25	PN 420	20	79	20	35	46	46	49.2	0137852066	24-BHSLN-S25
S	30	PN 420	25	86	21.5	37.5	50	50	61.7	0137902066	24-BHSLN-S30
S	38	PN 420	32	91	22	37	65	65	108.0	0137952066	24-BHSLN-S38

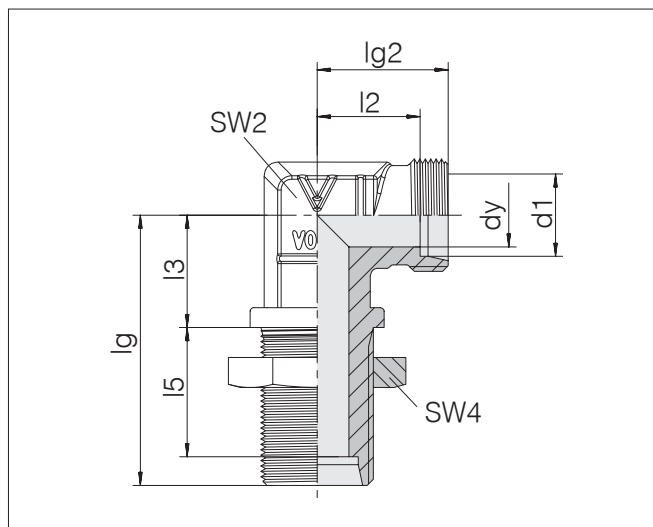
Bulkhead material thickness
max. 16 mm.

Example for comp. :
SV06LOMD
ISO 8434-1-BHSLN-L6-St



Bulkhead elbows

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d1	Pressure	dy	lg	lg2	l2	l3	l5	SW2	SW4	kg/100 ca.	Order-No.	Designation
L	6		PN 315	4	48	19	12	14	27	12	17	4.9	0138002066	24-BHELN-L6
L	8		PN 315	6	51	21	14	17	27	12	19	6.1	0138052066	24-BHELN-L8
L	10		PN 315	8	53	22	15	18	28	14	22	7.9	0138102066	24-BHELN-L10
L	12		PN 315	10	56	24	17	20	29	17	24	9.6	0138152066	24-BHELN-L12
L	15		PN 315	12	61	28	21	23	31	19	30	16.9	0138202066	24-BHELN-L15
L	18		PN 315	15	64	31	23.5	24	32.5	24	36	25.5	0138252066	24-BHELN-L18
L	22		PN 160	19	72	35	27.5	30	34.5	27	41	31.8	0138302066	24-BHELN-L22
L	28		PN 160	24	77	38	30.5	34	35.5	36	46	46.2	0138352066	24-BHELN-L28
L	35		PN 160	30	86	45	34.5	39	36.5	41	55	76.9	0138402066	24-BHELN-L35
L	42		PN 160	36	90	51	40	43	36	50	65	112.3	0138452066	24-BHELN-L42
S	6		PN 630	4	53	23	16	17	29	12	19	7.6	0138502066	24-BHELN-S6
S	8		PN 630	5	54	24	17	18	29	14	22	10.2	0138552066	24-BHELN-S8
S	10		PN 630	7	57	25	17.5	20	29.5	17	24	12.4	0138602066	24-BHELN-S10
S	12		PN 630	8	59	29	21.5	21	30.5	17	27	16.0	0138652066	24-BHELN-S12
S	14		PN 630	10	63	30	22	23	32	19	30	19.6	0138702066	24-BHELN-S14
S	16		PN 400	12	64	33	24.5	24	31.5	24	32	23.8	0138752066	24-BHELN-S16
S	20		PN 400	16	74	37	26.5	30	33.5	27	41	39.9	0138802066	24-BHELN-S20
S	25		PN 400	20	81	42	30	34	35	36	46	60.9	0138852066	24-BHELN-S25
S	30		PN 400	25	90	49	35.5	39	37.5	41	50	93.2	0138902066	24-BHELN-S30
S	38		PN 315	32	96	57	41	43	37	50	65	144.9	0138952066	24-BHELN-S38

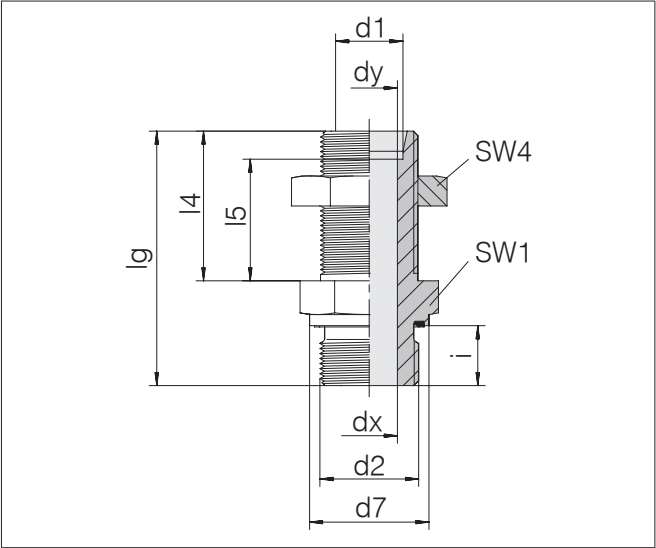
Bulkhead material thickness
max. 16 mm.

Example for comp. :
WSV06LOMD
ISO 8434-1-BHELN-L6-St

Male stud bulkhead unions

Male thread: BSPP thread, cylindrical
Threaded stud: ISO 1179-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1

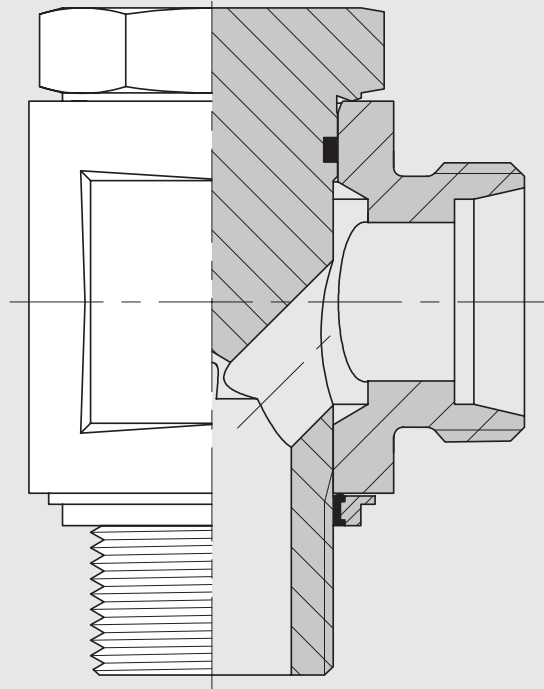


Series	Tube OD	d2	Pressure	d7	dx	dy	lg	l4	l5	SW1	SW2	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	6	G 1/4 A	PN 500	18.9	4	4	54	34	27	19	17	12	50	6.0	1137032066	24-BHSDSLN-L6-G1/4E
L	8	G 1/4 A	PN 500	18.9	6	6	54	34	27	19	19	12	50	6.5	1137052066	24-BHSDSLN-L8-G1/4E ¹⁾
L	8	G 3/8 A	PN 400	21.9	9	6	54.5	34	27	22	19	12	80	7.5	1137062066	24-BHSDSLN-L8-G3/8E
L	8	G 1/2 A	PN 400	26.9	11	6	58	34	27	27	19	14	100	10.1	1137072066	24-BHSDSLN-L8-G1/2E
L	10	G 1/4 A	PN 500	18.9	6	6	57	35	28	22	22	12	50	9.2	255722066	24-BHSDSLN-L10-G1/4E ¹⁾
L	10	G 1/2 A	PN 400	26.9	11	8	59	35	28	27	22	14	100	11.0	1137122066	24-BHSDSLN-L10-G1/2E
L	12	G 3/8 A	PN 400	21.9	9	9	56.5	36	29	24	24	12	80	10.1	1137152066	24-BHSDSLN-L12-G3/8E ¹⁾
L	12	G 1/2 A	PN 400	26.9	11	9	60	36	29	27	24	14	100	12.7	255732066	24-BHSDSLN-L12-G1/2E
L	15	G 3/8 A	PN 400	21.9	9	12	59.5	38	31	27	30	12	80	14.6	1137192066	24-BHSDSLN-L15-G3/8E
L	15	G 1/2 A	PN 400	26.9	11	11	62	38	31	27	30	14	100	16.2	1137202066	24-BHSDSLN-L15-G1/2E ¹⁾
L	15	G 3/4 A	PN 250	31.9	15	12	66	38	31	32	30	16	180	20.6	265992066	24-BHSDSLN-L15-G3/4E
L	18	G 1/2 A	PN 400	26.9	14	14	66	40	32.5	32	36	14	100	22.8	255602066	24-BHSDSLN-L18-G1/2E ¹⁾
L	18	G 3/4 A	PN 250	31.9	15	15	68	40	32.5	32	36	16	180	24.9	265922066	24-BHSDSLN-L18-G3/4E
L	22	G 3/4 A	PN 250	31.9	18	18	71	42	34.5	36	41	16	180	30.2	1137302066	24-BHSDSLN-L22-G3/4E ¹⁾

¹⁾ Standard size
Bulkhead material thickness
max. 16 mm.



Banjo and rotary couplings

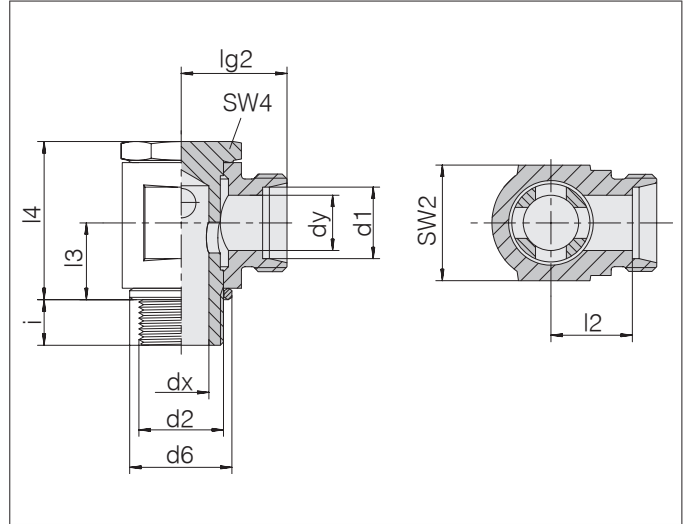


Banjo couplings

Standard design

Male thread: metric fine thread, parallel
For threaded bores: ISO 9974-1 (Form N - narrow)
Sealing type: Seal-edge ring (Form B)

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
LL	4	M 8 x 1	PB 100	12	3	3	14.5	10.5	8	18.5	12	12	6	10	2.0	1150002081	24-BSE-LL4-M8B	¹⁾
LL	6	M 10 x 1	PB 100	14	4	4.5	15.5	10	9	20.5	14	14	6	15	2.7	1150102081	24-BSE-LL6-M10B	¹⁾
LL	8	M 10 x 1	PB 100	14	4.5	6	16.5	11	10	22.5	14	14	6	15	3.1	1150152081	24-BSE-LL8-M10B	¹⁾
L	6	M 10 x 1	PB 250	14	4	4	17.5	10.5	10	23.5	14	14	6	20	3.6	1151002081	24-BSE-L6-M10B	¹⁾
L	8	M 12 x 1.5	PB 250	17	5.8	6	20	13	12	27	17	17	9	30	5.5	1151052081	24-BSE-L8-M12B	¹⁾
L	10	M 14 x 1.5	PB 250	19	6.5	8	21	14	13	28	19	19	9	45	6.8	1151102081	24-BSE-L10-M14B	¹⁾
L	12	M 16 x 1.5	PB 250	21	8.5	10	22.5	15.5	15	33	22	22	9	65	10.1	1151152081	24-BSE-L12-M16B	¹⁾
L	12	M 18 x 1.5	PB 250	23	10.5	10	23.5	16.5	18.5	38	24	24	9	90	13.0	1151172081	24-BSE-L12-M18B	¹⁾
L	15	M 18 x 1.5	PB 250	23	10.5	12	24.5	17.5	18.5	38	24	24	9	90	13.4	1151202081	24-BSE-L15-M18B	¹⁾
L	18	M 22 x 1.5	PB 160	27	13	15	27.5	20	22	44	30	27	11	100	21.1	1151252081	24-BSE-L18-M22B	¹⁾
L	22	M 26 x 1.5	PB 160	31	17	19	32.5	25	24.5	48	36	32	13	150	31.3	1151302081	24-BSE-L22-M26B	¹⁾
S	6	M 12 x 1.5	PB 250	17	4	4	21	14	12	27	17	17	9	30	6.0	1151502081	24-BSE-S6-M12B	¹⁾
S	8	M 14 x 1.5	PB 250	19	5	5	22	15	13	28	19	19	9	45	7.7	1151552081	24-BSE-S8-M14B	¹⁾
S	10	M 16 x 1.5	PB 250	21	7	7	23.5	16	15	33	22	22	9	70	11.2	1151602081	24-BSE-S10-M16B	¹⁾
S	12	M 18 x 1.5	PB 250	23	8	8	24.5	17	16.5	35	24	24	9	90	14.0	1151652081	24-BSE-S12-M18B	¹⁾
S	14	M 18 x 1.5	PB 250	23	8	10	28	20	18.5	38	27	24	9	90	18.5	1151712081	24-BSE-S14-M18B	¹⁾
S	14	M 20 x 1.5	PB 250	25	10	10	28	20	18.5	39	27	27	11	110	18.6	1151702081	24-BSE-S14-M20B	¹⁾
S	16	M 22 x 1.5	PB 160	27	11	12	29.5	21	20.5	42	30	27	11	100	21.9	1151752081	24-BSE-S16-M22B	¹⁾
S	20	M 27 x 2	PB 160	32	16	16	34.5	24	23.5	48	36	32	13	150	35.1	1151802081	24-BSE-S20-M27B	¹⁾

¹⁾ Standard size

Example for comp. :
SWVE06LMOMD

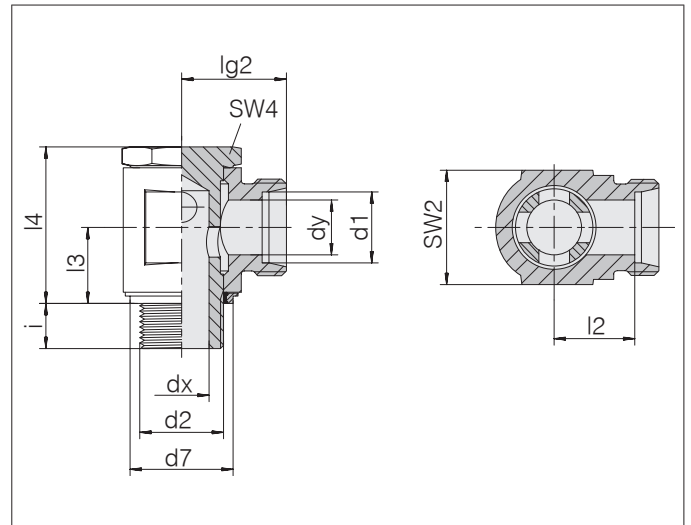


Banjo couplings

Standard version

Male thread: Metric fine thread, cylindrical
 For threaded bores: ISO 9974-1 (Form N - narrow)
 Sealing type: Soft sealing ring (Form E)
 Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
LL	6	M 10 x 1	PB 100	14.9	4	4.5	15.5	10	9	20.5	14	14	6	15	2.7	1150112081	24-BSE-LL6-M10E	1)
LL	8	M 10 x 1	PB 100	14.9	4.5	6	16.5	11	10	22.5	14	14	6	15	3.1	1150162081	24-BSE-LL8-M10E	1)
L	6	M 10 x 1	PB 250	14.9	4	4	17.5	10.5	10	23.5	14	14	6	20	3.6	1151012081	24-BSE-L6-M10E	1)
L	8	M 12 x 1.5	PB 250	17	5.8	6	20	13	12	27	17	17	9	30	5.5	1151072081	24-BSE-L8-M12E	1)
L	10	M 14 x 1.5	PB 250	18.9	6.5	8	21	14	13	28	19	19	9	45	6.8	1151112081	24-BSE-L10-M14E	1)
L	12	M 16 x 1.5	PB 250	21.9	8.5	10	22.5	15.5	15	33	22	22	9	65	10.1	1151162081	24-BSE-L12-M16E	1)
L	12	M 18 x 1.5	PB 250	23.9	10.5	10	23.5	16.5	18.5	38	24	24	9	90	13.0	1151182081	24-BSE-L12-M18E	
L	15	M 18 x 1.5	PB 250	23.9	10.5	12	24.5	17.5	18.5	38	24	24	9	90	13.4	1151212081	24-BSE-L15-M18E	1)
L	18	M 22 x 1.5	PB 160	26.9	13	15	27.5	20	22	44	30	27	11	100	21.1	1151262081	24-BSE-L18-M22E	1)
L	22	M 26 x 1.5	PB 160	31.9	17	19	32.5	25	24.5	48	36	32	13	150	31.3	1151312081	24-BSE-L22-M26E	1)
S	6	M 12 x 1.5	PB 250	17	4	4	21	14	12	27	17	17	9	30	6.0	1151512081	24-BSE-S6-M12E	1)
S	8	M 14 x 1.5	PB 250	18.9	5	5	22	15	13	28	19	19	9	45	7.7	1151562081	24-BSE-S8-M14E	1)
S	10	M 16 x 1.5	PB 250	21.9	7	7	23.5	16	15	33	22	22	9	70	11.2	1151612081	24-BSE-S10-M16E	1)
S	12	M 18 x 1.5	PB 250	23.9	8	8	24.5	17	16.5	35	24	24	9	90	14.0	1151662081	24-BSE-S12-M18E	1)
S	16	M 22 x 1.5	PB 160	26.9	11	12	29.5	21	20.5	42	30	27	11	100	21.9	1151762081	24-BSE-S16-M22E	1)
S	20	M 27 x 2	PB 160	32.9	16	16	34.5	24	23.5	48	36	32	13	150	35.1	1151812081	24-BSE-S20-M27E	1)

¹⁾ Standard size

Example for comp. :
 SWVE06LMKDSOMD

Banjo couplings

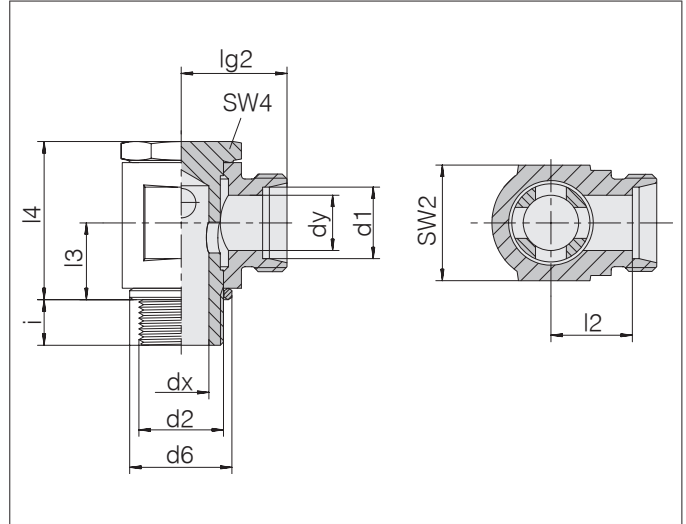
Standard design

Male thread: BSPP thread, parallel

For threaded bores: ISO 1179-1 (Form N - narrow)

Sealing type: Seal-edge ring (Form B)

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
	d1																	
LL	4	G 1/8 A	PB 100	14	3	3	15.5	11.5	8	18.5	14	14	6	15	2.5	1152002081	24-BSE-LL4-G1/8B	1)
LL	6	G 1/8 A	PB 100	14	4	4.5	15.5	10	9	20.5	14	14	6	15	2.7	1152102081	24-BSE-LL6-G1/8B	1)
LL	8	G 1/8 A	PB 100	14	4.5	6	16.5	11	10	22.5	14	14	6	15	3.1	1152152081	24-BSE-LL8-G1/8B	1)
L	6	G 1/8 A	PB 250	14	4	4	17.5	10.5	10	23.5	14	14	6	20	3.5	1153002081	24-BSE-L6-G1/8B	1)
L	6	G 1/4 A	PB 250	18	5.8	4	20	13	12	27	19	19	9	45	6.5	1153012081	24-BSE-L6-G1/4B	
L	8	G 1/4 A	PB 250	18	5.8	6	20	13	12	27	19	19	9	45	6.5	1153052081	24-BSE-L8-G1/4B	1)
L	10	G 1/4 A	PB 250	18	6.5	8	21	14	13	28	19	19	9	50	6.8	1153102081	24-BSE-L10-G1/4B	1)
L	12	G 3/8 A	PB 250	22	8.5	10	22.5	15.5	15.5	33	22	22	9	75	10.3	1153152081	24-BSE-L12-G3/8B	1)
L	12	G 1/2 A	PB 250	26	10.5	10	25	18	19	38	27	27	11	110	16.8	1153172081	24-BSE-L12-G1/2B	
L	15	G 3/8 A	PB 250	22	9	12	24.5	17.5	18.5	38	24	24	9	75	14.4	1152982081	24-BSE-L15-G3/8B	
L	15	G 1/2 A	PB 250	26	10.5	12	26	19	19	38	27	27	11	110	17.6	1153202081	24-BSE-L15-G1/2B	1)
L	18	G 1/2 A	PB 160	26	13	15	27.5	20	22	44	30	27	11	100	20.2	1153252081	24-BSE-L18-G1/2B	1)
L	22	G 3/4 A	PB 160	32	17	19	32.5	25	24	48	36	32	13	150	31.8	1153302081	24-BSE-L22-G3/4B	1)
S	6	G 1/4 A	PB 250	18	4	4	22	15	12	27	19	19	9	45	7.3	1153502081	24-BSE-S6-G1/4B	1)
S	8	G 1/4 A	PB 250	18	5	5	22	15	13	28	19	19	9	50	7.4	1153552081	24-BSE-S8-G1/4B	1)
S	10	G 3/8 A	PB 250	22	7	7	23.5	16	15.5	33	22	22	9	70	11.1	1153602081	24-BSE-S10-G3/8B	1)
S	12	G 3/8 A	PB 250	22	8	8	23.5	16	16.5	36	24	22	9	70	14.0	1153652081	24-BSE-S12-G3/8B	1)
S	14	G 1/2 A	PB 250	26	10	10	28	20	19	38.5	27	27	11	115	18.4	1153702081	24-BSE-S14-G1/2B	1)
S	16	G 1/2 A	PB 160	26	11	12	29.5	21	20.5	42	30	27	11	100	22.0	1153752081	24-BSE-S16-G1/2B	1)
S	20	G 3/4 A	PB 160	32	16	16	34.5	24	24	48	36	32	13	150	34.6	1153802081	24-BSE-S20-G3/4B	1)

1) Standard size

Example for comp. :
SWVE06LROMD

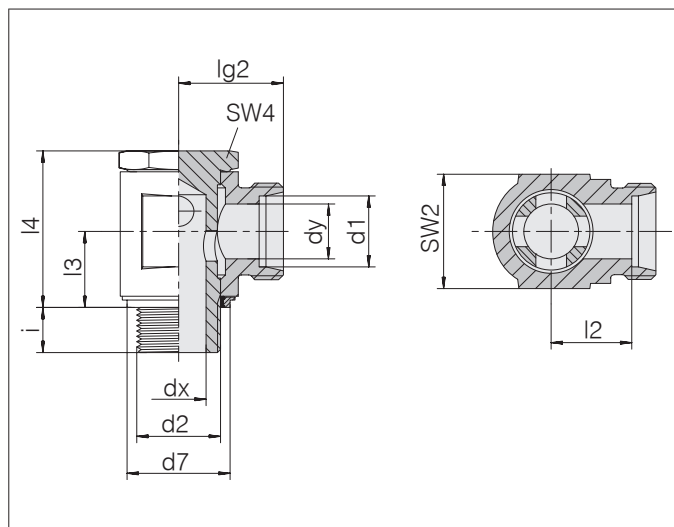


Banjo couplings

Standard version

Male thread: BSPP thread, cylindrical
 For threaded bores: ISO 1179-1 (Form N - narrow)
 Sealing type: Soft sealing ring (Form E)
 Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm	kg/100	Order-No.	Designation		
Tube OD	d1												-10 %	ca.				
LL	4	G 1/8 A	PB 100	14.9	3	3	15.5	11.5	8	18.5	14	14	6	15	2.5	1152012081	24-BSE-LL4-G1/8E	1)
LL	6	G 1/8 A	PB 100	14.9	4	4.5	15.5	10	9	20.5	14	14	6	15	2.7	1152112081	24-BSE-LL6-G1/8E	1)
LL	8	G 1/8 A	PB 100	14.9	4.5	6	16.5	11	10	22.5	14	14	6	15	3.1	1152162081	24-BSE-LL8-G1/8E	1)
L	6	G 1/8 A	PB 250	14.9	4	4	17.5	10.5	10	23.5	14	14	6	20	3.5	1153022081	24-BSE-L6-G1/8E	1)
L	6	G 1/4 A	PB 250	18.9	5.8	4	20	13	12	27	19	19	9	45	6.5	1153032081	24-BSE-L6-G1/4E	
L	8	G 1/4 A	PB 250	18.9	5.8	6	20	13	12	27	19	19	9	45	6.5	1153062081	24-BSE-L8-G1/4E	1)
L	10	G 1/4 A	PB 250	18.9	6.5	8	21	14	13	28	19	19	9	50	6.8	1153122081	24-BSE-L10-G1/4E	1)
L	10	G 3/8 A	PB 250	21.9	8.5	8	22.5	15.5	15.5	33	22	22	9	75	10.4	1153132081	24-BSE-L10-G3/8E	
L	12	G 1/4 A	PB 250	18.9	6.5	10	22.5	15.5	15.5	32	22	19	9	50	9.5	1153972081	24-BSE-L12-G1/4E	
L	12	G 3/8 A	PB 250	21.9	8.5	10	22.5	15.5	15.5	33	22	22	9	75	10.3	1153992081	24-BSE-L12-G3/8E	1)
L	12	G 1/2 A	PB 250	26.9	10.5	10	25	18	19	38	27	27	11	110	16.8	1153982081	24-BSE-L12-G1/2E	
L	15	G 3/8 A	PB 250	21.9	9	12	24.5	17.5	18.5	38	24	24	9	75	14.7	1152992081	24-BSE-L15-G3/8E	
L	15	G 1/2 A	PB 250	26.9	10.5	12	26	19	19	38	27	27	11	110	17.6	1153212081	24-BSE-L15-G1/2E	1)
L	18	G 1/2 A	PB 160	26.9	13	15	27.5	20	22	44	30	27	11	100	20.2	1153262081	24-BSE-L18-G1/2E	1)
L	22	G 3/4 A	PB 160	39.9	17	19	32.5	25	24	48	36	32	13	150	31.8	1153312081	24-BSE-L22-G3/4E	1)
S	6	G 1/4 A	PB 250	18.9	4	4	22	15	12	27	19	19	9	45	7.3	1153512081	24-BSE-S6-G1/4E	1)
S	8	G 1/4 A	PB 250	18.9	5	5	22	15	13	28	19	19	9	50	7.4	1153562081	24-BSE-S8-G1/4E	1)
S	10	G 3/8 A	PB 250	21.9	7	7	23.5	16	15.5	33	22	22	9	70	11.1	1153612081	24-BSE-S10-G3/8E	1)
S	12	G 3/8 A	PB 250	21.9	8	8	23.5	16	16.5	36	24	22	9	70	14.0	1153662081	24-BSE-S12-G3/8E	1)
S	14	G 1/2 A	PB 250	26.9	10	10	28	20	19	38.5	27	27	11	115	18.4	1153712081	24-BSE-S14-G1/2E	1)
S	16	G 1/2 A	PB 160	26.9	11	12	29.5	21	20.5	42	30	27	11	100	22.0	1153762081	24-BSE-S16-G1/2E	1)
S	20	G 3/4 A	PB 160	32.9	16	16	34.5	24	24	48	36	32	13	150	34.6	1153812081	24-BSE-S20-G3/4E	1)

1) Standard size

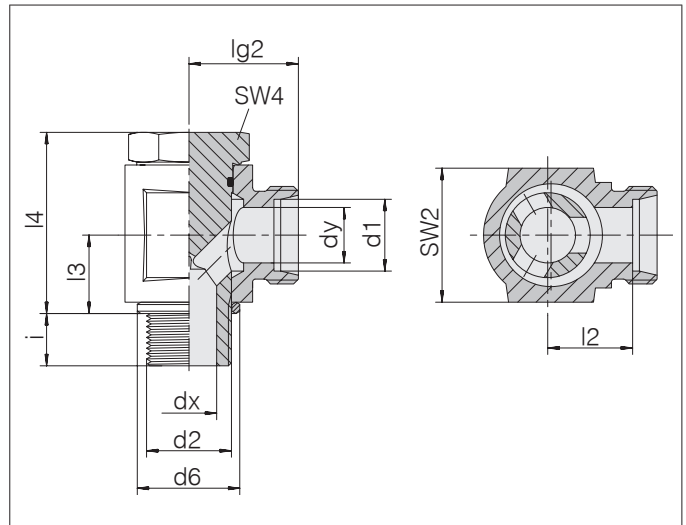
Example for comp. :
 SWVE06LRKDSOMD

Banjo couplings

Unrestricted flow design with eccentric flow channel

Male thread: metric fine thread, parallel
For threaded bores: ISO 9974-1 (Form N - narrow)
Sealing type: Seal-edge ring (Form B)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d6	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
Tube OD d1																	
L 6	M 10 x 1	PB 500	14	4	4	19	12	10.5	25.3	19	14	8	30	5.1	1155002081	24-BEE-L6-M10B	1)
L 8	M 12 x 1.5	PB 400	17	6	6	21.5	14.5	14	31.5	22	17	12	42	9.5	1155052081	24-BEE-L8-M12B	1)
L 10	M 14 x 1.5	PB 350	19	8	8	22.5	15.5	14	33	22	19	12	42	9.9	1155102081	24-BEE-L10-M14B	1)
L 10	M 18 x 1.5	PB 315	23	12	8	22.5	20	18.5	42.5	30	24	12	70	20.6	1154952081	24-BEE-L10-M18B	
L 12	M 16 x 1.5	PB 350	21	10	10	25	18	16.5	38.5	27	22	12	60	16.3	1155152081	24-BEE-L12-M16B	1)
L 12	M 18 x 1.5	PB 315	23	12	10	27	20	18.5	42.5	30	24	12	70	20.7	1155172081	24-BEE-L12-M18B	
L 15	M 18 x 1.5	PB 315	23	12	12	28	21	18.5	42.5	30	24	12	70	21.6	1155202081	24-BEE-L15-M18B	1)
L 15	M 22 x 1.5	PB 315	27	15	12	29	22	21.5	47.5	36	27	14	160	29.8	1155222081	24-BEE-L15-M22B	
L 18	M 22 x 1.5	PB 315	27	15	15	29	21.5	21.5	47.5	36	27	14	160	29.8	1155252081	24-BEE-L18-M22B	1)
L 22	M 26 x 1.5	PB 200	31	19	19	33.5	26	24	55.5	41	32	16	140	46.4	1155302081	24-BEE-L22-M26B	1)
L 28	M 33 x 2	PB 200	39	24	24	39	31.5	30.5	68	50	41	18	350	88.3	1155352081	24-BEE-L28-M33B	1)
L 35	M 42 x 2	PB 200	49	30	30	46	35.5	35.5	78	60	50	20	500	145.6	1155402081	24-BEE-L35-M42B	1)
L 42	M 48 x 2	PB 200	55	36	36	51	40	40.5	88.5	70	60	22	600	215.4	1155452081	24-BEE-L42-M48B	1)
S 6	M 12 x 1.5	PB 500	17	4	4	23.5	16.5	14	30.5	22	17	12	57	9.9	1155502081	24-BEE-S6-M12B	1)
S 8	M 14 x 1.5	PB 450	19	5	5	23.5	16.5	14	31	22	19	12	90	10.9	1155552081	24-BEE-S8-M14B	1)
S 10	M 16 x 1.5	PB 400	21	7	7	26	18.5	16.5	37	27	22	12	100	17.0	1155602081	24-BEE-S10-M16B	1)
S 12	M 18 x 1.5	PB 400	23	8	8	28	20.5	18.5	40	30	24	12	130	22.9	1155652081	24-BEE-S12-M18B	1)
S 14	M 20 x 1.5	PB 400	25	10	10	31	23	20	43	32	27	14	160	28.5	1155702081	24-BEE-S14-M20B	1)
S 16	M 22 x 1.5	PB 400	27	12	12	31	22.5	21.5	47	36	27	14	180	32.0	1155752081	24-BEE-S16-M22B	1)
S 20	M 22 x 1.5	PB 400	27	12	16	38	27.5	25	55	46	27	14	180	58.5	1154942081	24-BEE-S20-M22B	
S 20	M 27 x 2	PB 400	32	16	16	38	27.5	24	55	46	36	16	300	59.6	1155802081	24-BEE-S20-M27B	1)
S 25	M 33 x 2	PB 250	39	20	20	43	31	30.5	66.5	50	41	18	380	94.8	1155852081	24-BEE-S25-M33B	1)
S 30	M 42 x 2	PB 250	49	25	25	50	36.5	35.5	75.5	60	50	20	600	154.0	1155902081	24-BEE-S30-M42B	1)
S 38	M 48 x 2	PB 250	55	32	32	57	41	40.5	86.5	70	60	22	750	231.7	1155952081	24-BEE-S38-M48B	1)

1) Standard size

Example for comp. :
WH06LMOMD

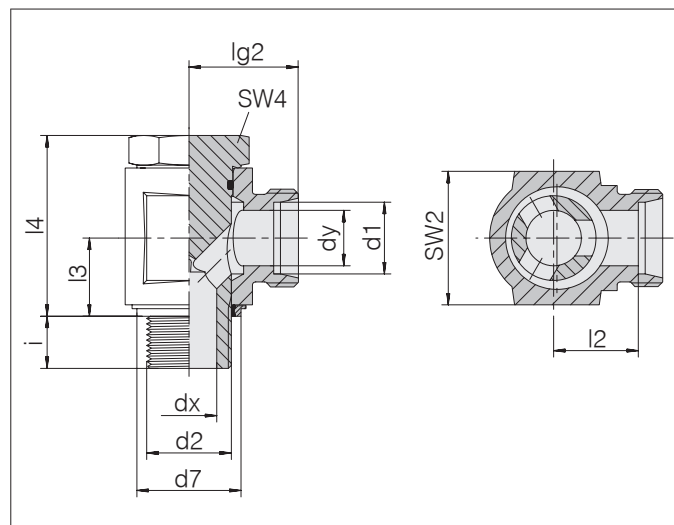


Banjo couplings

Throttle-free version with eccentric flow channel

Male thread: Metric fine thread, cylindrical
For threaded bores: ISO 9974-1 (Form N - narrow)
Sealing type: Soft sealing ring (Form E)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PB 500	14.9	4	4	19	12	10.5	25.3	19	14	8	30	5.1	1155012081	24-BEE-L6-M10E	1)
L	8	M 12 x 1.5	PB 400	17	6	6	21.5	14.5	14	31.5	22	17	12	42	9.4	1155062081	24-BEE-L8-M12E	1)
L	8	M 14 x 1.5	PB 350	18.9	8	6	22.5	15.5	14	33	22	19	12	42	10.3	1155072081	24-BEE-L8-M14E	
L	10	M 14 x 1.5	PB 350	18.9	8	8	22.5	15.5	14	33	22	19	12	42	7.9	1155112081	24-BEE-L10-M14E	1)
L	12	M 16 x 1.5	PB 350	21.9	10	10	25	18	16.5	38.5	27	22	12	60	16.3	1155162081	24-BEE-L12-M16E	1)
L	12	M 18 x 1.5	PB 315	23.9	12	10	27	20	18.5	42.5	30	24	12	70	20.5	1156802081	24-BEE-L12-M18E	
L	15	M 18 x 1.5	PB 315	23.9	12	12	28	21	18.5	42.5	30	24	12	70	21.6	1155212081	24-BEE-L15-M18E	1)
L	15	M 22 x 1.5	PB 315	26.9	15	12	29	22	21.5	47.5	36	27	14	160	29.7	1156822081	24-BEE-L15-M22E	
L	18	M 22 x 1.5	PB 315	26.9	15	15	29	21.5	21.5	47.5	36	27	14	160	29.9	1155262081	24-BEE-L18-M22E	1)
L	22	M 26 x 1.5	PB 200	31.9	19	19	33.5	26	24	55.5	41	32	16	140	46.5	1155312081	24-BEE-L22-M26E	1)
L	28	M 33 x 2	PB 200	39.9	24	24	39	31.5	30.5	68	50	41	18	350	87.8	1155362081	24-BEE-L28-M33E	1)
L	35	M 42 x 2	PB 200	49.9	30	30	46	35.5	35.5	78	60	50	20	500	147.4	1155412081	24-BEE-L35-M42E	1)
L	42	M 48 x 2	PB 200	55.9	36	36	51	40	40.5	88.5	70	60	22	600	216.9	1155462081	24-BEE-L42-M48E	1)
S	6	M 12 x 1.5	PB 500	17	4	4	23.5	16.5	14	30.5	22	17	12	57	9.9	1155512081	24-BEE-S6-M12E	1)
S	8	M 14 x 1.5	PB 450	18.9	5	5	23.5	16.5	14	31	22	19	12	90	10.9	1155562081	24-BEE-S8-M14E	1)
S	10	M 16 x 1.5	PB 400	21.9	7	7	26	18.5	16.5	37	27	22	12	100	17.4	1155612081	24-BEE-S10-M16E	1)
S	12	M 18 x 1.5	PB 400	23.9	8	8	28	20.5	18.5	40	30	24	12	130	22.9	1155662081	24-BEE-S12-M18E	1)
S	16	M 22 x 1.5	PB 400	26.9	12	12	31	22.5	21.5	47	36	27	14	180	32.0	1155762081	24-BEE-S16-M22E	1)
S	20	M 22 x 1.5	PB 400	26.9	12	16	38	27.5	25	55	46	27	14	180	48.0	1154832081	24-BEE-S20-M22E	
S	20	M 27 x 2	PB 400	32.9	16	16	38	27.5	24	55	46	36	16	300	59.7	1155812081	24-BEE-S20-M27E	1)
S	25	M 33 x 2	PB 250	39.9	20	20	43	31	30.5	66.5	50	41	18	380	93.4	1155862081	24-BEE-S25-M33E	1)
S	30	M 42 x 2	PB 250	49.9	25	25	50	36.5	35.5	75.5	60	50	20	600	157.3	1155912081	24-BEE-S30-M42E	1)
S	38	M 48 x 2	PB 250	55.9	32	32	57	41	40.5	86.5	70	60	22	750	232.8	1155962081	24-BEE-S38-M48E	

1) Standard size

Example for comp. :
WH06LMKDSOMD

Banjo couplings

Unrestricted flow design with eccentric flow channel

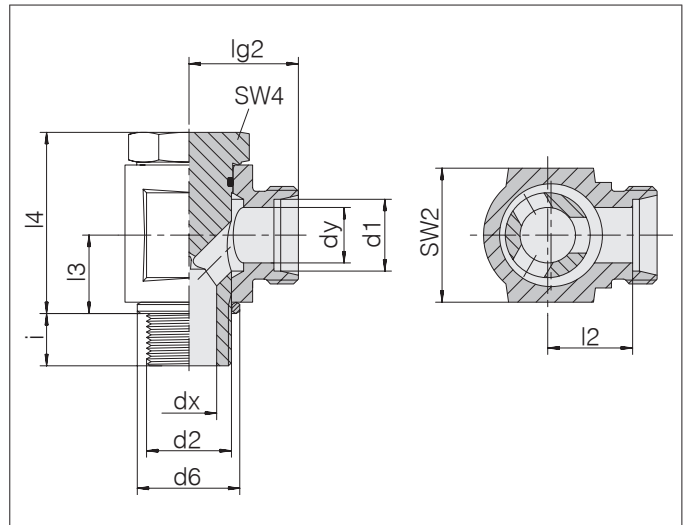
Male thread: BSPP thread, parallel

For threaded bores: ISO 1179-1 (Form N - narrow)

Sealing type: Seal-edge ring (Form B)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d6	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PB 500	14	4	4	19	12	10.5	25.3	19	14	8	25	5.0	1157002081	24-BEE-L6-G1/8B	1)
L	6	G 1/4 A	PB 400	18	6	4	21.5	14.5	14	29.5	22	19	12	40	9.8	1156832081	24-BEE-L6-G1/4B	
L	8	G 1/4 A	PB 400	18	6	6	21.5	14.5	14	31.5	22	19	12	40	10.0	1157052081	24-BEE-L8-G1/4B	1)
L	10	G 1/4 A	PB 350	18	8	8	22.5	15.5	14	33	22	19	12	38	10.4	1157102081	24-BEE-L10-G1/4B	1)
L	12	G 3/8 A	PB 350	22	10	10	25	18	16.5	38.5	27	22	12	75	16.5	1157152081	24-BEE-L12-G3/8B	1)
L	12	G 1/2 A	PB 315	26	12	10	29	22	21.5	45.5	32	27	14	110	28.4	1157192081	24-BEE-L12-G1/2B	
L	15	G 1/2 A	PB 315	26	12	12	29	22	21.5	45.5	32	27	14	110	28.7	1157202081	24-BEE-L15-G1/2B	1)
L	18	G 1/2 A	PB 315	26	15	15	29	21.5	21.5	47.5	36	27	14	110	29.3	1157252081	24-BEE-L18-G1/2B	1)
L	22	G 3/4 A	PB 200	32	19	19	36	28.5	24	56.5	46	36	16	160	56.3	1157302081	24-BEE-L22-G3/4B	1)
L	28	G 1 A	PB 200	39	24	24	39	31.5	30.5	68	50	41	18	270	88.1	1157352081	24-BEE-L28-G1B	1)
L	35	G 1 1/4 A	PB 200	49	30	30	46	35.5	35.5	78	60	50	20	500	147.9	1157402081	24-BEE-L35-G11/4B	1)
L	42	G 1 1/2 A	PB 200	55	36	36	51	40	40.5	88.5	70	60	22	600	218.6	1157452081	24-BEE-L42-G11/2B	1)
S	6	G 1/4 A	PB 500	18	4	4	23.5	16.5	14	30.5	22	19	12	53	10.3	1157502081	24-BEE-S6-G1/4B	1)
S	8	G 1/4 A	PB 450	18	5	5	23.5	16.5	14	31	22	19	12	53	10.6	1157552081	24-BEE-S8-G1/4B	1)
S	10	G 3/8 A	PB 400	22	7	7	26	18.5	16.5	37	27	22	12	120	17.3	1157602081	24-BEE-S10-G3/8B	1)
S	12	G 3/8 A	PB 400	22	8	8	26	18.5	16.5	37.5	27	22	12	120	17.8	1157652081	24-BEE-S12-G3/8B	1)
S	14	G 1/2 A	PB 400	26	10	10	31	23	21.5	43	32	27	14	160	29.1	1157702081	24-BEE-S14-G1/2B	1)
S	16	G 1/2 A	PB 400	26	12	12	31	22.5	21.5	47	36	27	14	160	31.5	1157752081	24-BEE-S16-G1/2B	1)
S	20	G 3/4 A	PB 400	32	16	16	38	27.5	24	55	46	36	16	330	59.4	1157802081	24-BEE-S20-G3/4B	1)
S	25	G 1 A	PB 250	39	20	20	43	31	30.5	66.5	50	41	18	380	93.2	1157852081	24-BEE-S25-G1B	1)
S	30	G 1 1/4 A	PB 250	49	25	25	50	36.5	35.5	75.5	60	50	20	600	156.7	1157902081	24-BEE-S30-G11/4B	1)
S	38	G 1 1/2 A	PB 250	55	32	32	57	41	40.5	86.5	70	60	22	800	232.3	1157952081	24-BEE-S38-G11/2B	1)

1) Standard size

Example for comp. :
WH06LROMD

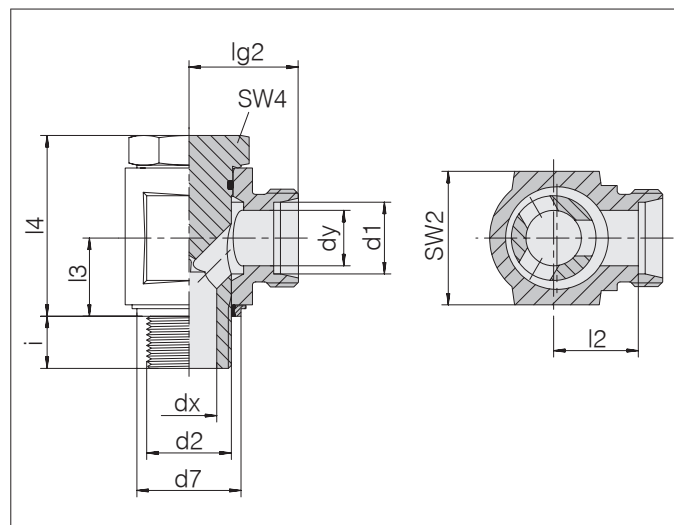


Banjo couplings

Throttle-free version with eccentric flow channel

Male thread: BSPP thread, cylindrical
For threaded bores: ISO 1179-1 (Form N - narrow)
Sealing type: Soft sealing ring (Form E)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PB 500	14.9	4	4	19	12	10.5	25.3	19	14	8	25	5.0	1157012081	24-BEE-L6-G1/8E	1)
L	6	G 1/4 A	PB 400	18.9	6	4	21.5	14.5	14	31.5	22	19	12	40	9.7	1154812081	24-BEE-L6-G1/4E	
L	8	G 1/4 A	PB 400	18.9	6	6	21.5	14.5	14	31.5	22	19	12	40	9.8	1157062081	24-BEE-L8-G1/4E	1)
L	10	G 1/4 A	PB 350	18.9	8	8	22.5	15.5	14	33	22	19	12	38	10.1	1157112081	24-BEE-L10-G1/4E	1)
L	10	G 3/8 A	PB 350	21.9	10	8	22.5	18	16.5	38.5	27	22	12	75	16.4	1154732081	24-BEE-L10-G3/8E	
L	12	G 1/4 A	PB 350	21.9	8	10	25	18	16.5	37	27	22	12	75	14.6	1154822081	24-BEE-L12-G1/4E	
L	12	G 3/8 A	PB 350	21.9	10	10	25	18	16.5	38.5	27	22	12	75	16.2	1157162081	24-BEE-L12-G3/8E	1)
L	12	G 1/2 A	PB 315	30	12	10	29	22	21.5	45.5	32	27	14	110	27.7	1156812081	24-BEE-L12-G1/2E	
L	15	G 1/2 A	PB 315	26.9	12	12	29	22	21.5	45.5	32	27	14	110	28.4	1157212081	24-BEE-L15-G1/2E	1)
L	18	G 1/2 A	PB 315	26.9	15	15	29	21.5	21.5	47.5	36	27	14	110	29.6	1157262081	24-BEE-L18-G1/2E	1)
L	22	G 3/4 A	PB 200	32.9	19	19	36	28.5	24	56.5	46	36	16	160	56.8	1157312081	24-BEE-L22-G3/4E	
L	28	G 1 A	PB 200	39.9	24	24	39	31.5	30.5	68	50	41	18	270	86.6	1157362081	24-BEE-L28-G1E	1)
L	35	G 1 1/4 A	PB 200	49.9	30	30	46	35.5	35.5	78	60	50	20	500	146.6	1157412081	24-BEE-L35-G11/4E	1)
L	42	G 1 1/2 A	PB 200	55.9	36	36	51	40	40.5	88.5	70	60	22	600	214.5	1157462081	24-BEE-L42-G11/2E	1)
S	6	G 1/4 A	PB 500	18.9	4	4	23.5	16.5	14	30.5	22	19	12	53	10.4	1157512081	24-BEE-S6-G1/4E	1)
S	8	G 1/4 A	PB 450	18.9	5	5	23.5	16.5	14	31	22	19	12	53	10.5	1157562081	24-BEE-S8-G1/4E	1)
S	10	G 3/8 A	PB 400	21.9	7	7	26	18.5	16.5	37	27	22	12	120	17.3	1157612081	24-BEE-S10-G3/8E	1)
S	12	G 3/8 A	PB 400	21.9	8	8	26	18.5	16.5	37.5	27	22	12	120	17.5	1157662081	24-BEE-S12-G3/8E	1)
S	14	G 1/2 A	PB 400	26.9	10	10	31	23	21.5	44	32	27	14	160	29.5	1157712081	24-BEE-S14-G1/2E	1)
S	16	G 1/2 A	PB 400	26.9	12	12	31	22.5	21.5	47	36	27	14	160	31.2	1157762081	24-BEE-S16-G1/2E	1)
S	20	G 3/4 A	PB 400	32.9	16	16	38	27.5	24	55	46	36	16	330	59.4	1157812081	24-BEE-S20-G3/4E	1)
S	25	G 1 A	PB 250	39.9	20	20	43	31	30.5	66.5	50	41	18	380	93.8	1157862081	24-BEE-S25-G1E	1)
S	30	G 1 1/4 A	PB 250	49.9	25	25	50	36.5	35.5	75.5	60	50	20	600	155.2	1157912081	24-BEE-S30-G11/4E	1)
S	38	G 1 1/2 A	PB 250	55.9	32	32	57	41	40.5	86.5	70	60	22	800	231.1	1157962081	24-BEE-S38-G11/2E	1)

1) Standard size

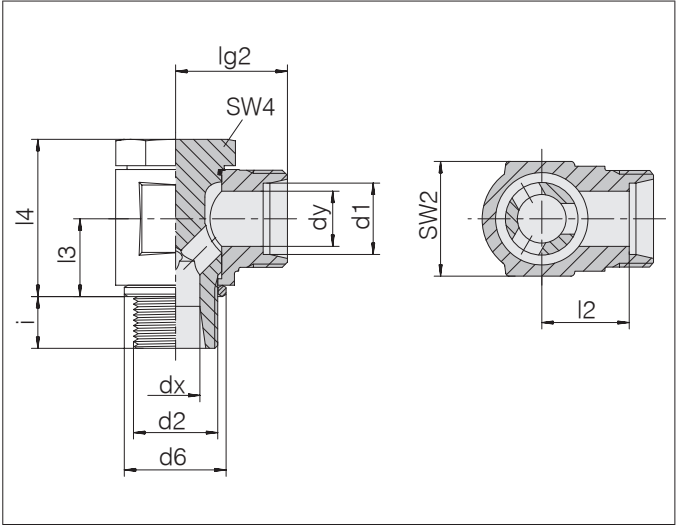
Example for comp. :
WH06LRKDSOMD

Banjo couplings

Compact design - **high-pressure**

Male thread: metric fine thread, parallel
For threaded bores: ISO 9974-1 (Form N - narrow)
Sealing type: Seal-edge ring (Form B)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series		d2	Pressure	d6	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
Tube OD	d1																	
L	6	M 10 x 1	PB 500	14	4	4	20	13	10	21	14	14	8	25	3.6	1152202081	24-BCE-L6-M10B	1)
L	8	M 12 x 1.5	PB 500	17	5	6	21	14	13.5	27	19	19	10	50	7.5	1152212081	24-BCE-L8-M12B	
L	10	M 14 x 1.5	PB 500	19	5	8	22	15	13.5	27	19	19	10	60	8.2	1152222081	24-BCE-L10-M14B	1)
L	12	M 16 x 1.5	PB 400	21	8	10	24.5	17.5	16	32.5	24	22	10	80	12.4	1152232081	24-BCE-L12-M16B	1)
L	12	M 18 x 1.5	PB 315	23	8	10	27	20	18.5	36	24	22	10	100	14.2	1152242081	24-BCE-L12-M18B	
L	15	M 18 x 1.5	PB 400	23	9.5	12	27	20	18.5	37	27	24	10	100	19.2	1152252081	24-BCE-L15-M18B	1)
L	18	M 22 x 1.5	PB 400	27	11	15	28	20.5	21.5	43	30	27	12	140	27.9	1152262081	24-BCE-L18-M22B	1)
L	22	M 26 x 1.5	PB 250	31	15	19	34.5	27	24	48	36	32	16	180	42.0	1152272081	24-BCE-L22-M26B	1)
L	28	M 33 x 2	PB 250	39	19	24	39	31.5	30.5	59	46	41	18	380	86.0	1152282081	24-BCE-L28-M33B	1)
L	35	M 42 x 2	PB 250	49	24	30	46	35.5	35.5	70	55	50	20	500	145.7	1152292081	24-BCE-L35-M42B	1)
L	42	M 48 x 2	PB 250	55	31	36	51	40	40.5	80	65	55	22	600	219.2	1152302081	24-BCE-L42-M48B	1)
S	6	M 12 x 1.5	PB 500	17	5	4	23	16	13.5	27	19	19	10	50	7.9	1152312081	24-BCE-S6-M12B	1)
S	8	M 14 x 1.5	PB 500	19	5	5	23	16	13.5	27	19	19	10	60	8.9	1152322081	24-BCE-S8-M14B	1)
S	10	M 16 x 1.5	PB 500	21	8	7	25.5	18	16	32.5	24	22	10	80	13.1	1152332081	24-BCE-S10-M16B	1)
S	12	M 18 x 1.5	PB 400	23	9.5	8	27	19.5	18.5	37	27	24	10	110	19.5	1152342081	24-BCE-S12-M18B	1)
S	16	M 22 x 1.5	PB 400	27	11	12	30	21.5	21.5	43	30	27	12	140	28.2	1152362081	24-BCE-S16-M22B	1)
S	20	M 27 x 2	PB 315	32	15	16	36.5	26	24	48	36	32	16	300	45.4	1152372081	24-BCE-S20-M27B	1)
S	25	M 33 x 2	PB 250	39	19	20	43	31	30.5	59	46	41	18	380	85.9	1152382081	24-BCE-S25-M33B	1)
S	30	M 42 x 2	PB 250	49	24	25	50	36.5	35.5	70	55	50	20	600	144.7	1152392081	24-BCE-S30-M42B	1)
S	38	M 48 x 2	PB 250	55	31	32	57	41	40.5	80	65	55	22	700	232.0	1152402081	24-BCE-S38-M48B	1)

1) Standard size

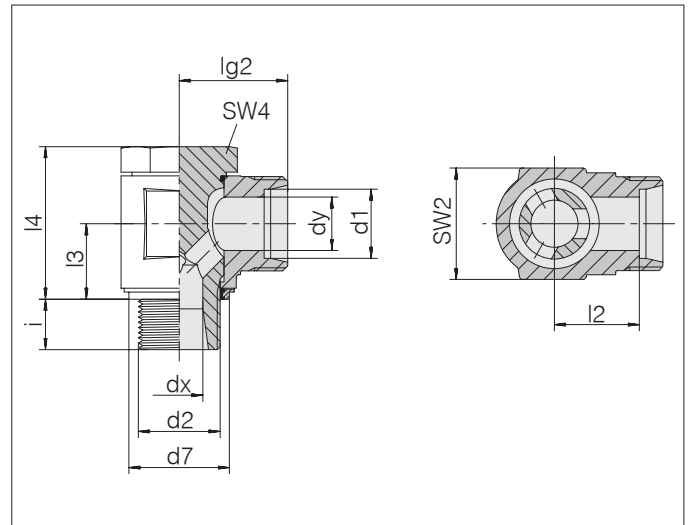


Banjo couplings

Compact version - **High pressure**

Male thread: metric fine thread, cylindrical
For threaded bores: ISO 9974-1 (Form N - narrow)
Sealing type: Soft sealing ring (Form E)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PB 500	14.9	4	4	20	13	10	21	14	14	8	25	3.6	1150202081	24-BCE-L6-M10E	1)
L	8	M 12 x 1.5	PB 500	17.9	5	6	21	14	13.5	27	19	19	10	50	7.5	1150212081	24-BCE-L8-M12E	1)
L	10	M 14 x 1.5	PB 500	18.9	5	8	22	15	13.5	27	19	19	10	60	8.2	1150222081	24-BCE-L10-M14E	1)
L	12	M 16 x 1.5	PB 400	21.9	8	10	24.5	17.5	16	32.5	24	22	10	80	12.4	1150232081	24-BCE-L12-M16E	1)
L	12	M 18 x 1.5	PB 315	23.9	8	10	27	20	18.5	36	24	22	10	100	14.2	1150242081	24-BCE-L12-M18E	
L	15	M 18 x 1.5	PB 400	23.9	9.5	12	27	20	18.5	37	27	24	10	100	19.2	1150252081	24-BCE-L15-M18E	1)
L	18	M 22 x 1.5	PB 400	27.9	11	15	28	20.5	21.5	43	30	27	12	140	27.9	1150262081	24-BCE-L18-M22E	1)
L	22	M 26 x 1.5	PB 250	31.9	15	19	34.5	27	24	48	36	32	16	180	42.0	1150272081	24-BCE-L22-M26E	1)
L	28	M 33 x 2	PB 250	39.9	19	24	39	31.5	30.5	59	46	41	18	380	86.0	1150282081	24-BCE-L28-M33E	1)
L	35	M 42 x 2	PB 250	49.9	24	30	46	35.5	35.5	70	55	50	20	500	145.7	1150292081	24-BCE-L35-M42E	1)
L	42	M 48 x 2	PB 250	55.9	31	36	51	40	40.5	80	65	55	22	600	219.2	1150302081	24-BCE-L42-M48E	1)
S	6	M 12 x 1.5	PB 500	17.9	5	4	23	16	13.5	27	19	19	10	50	7.9	1150312081	24-BCE-S6-M12E	1)
S	8	M 14 x 1.5	PB 500	18.9	5	5	23	16	13.5	27	19	19	10	60	8.9	1150322081	24-BCE-S8-M14E	1)
S	10	M 16 x 1.5	PB 500	21.9	8	7	25.5	18	16	32.5	24	22	10	80	13.1	1150332081	24-BCE-S10-M16E	1)
S	12	M 18 x 1.5	PB 400	23.9	9.5	8	27	19.5	18.5	37	27	24	10	110	19.5	1150342081	24-BCE-S12-M18E	1)
S	16	M 22 x 1.5	PB 400	27.9	11	12	30	21.5	21.5	43	30	27	12	140	28.2	1150362081	24-BCE-S16-M22E	1)
S	20	M 27 x 2	PB 315	32.9	15	16	36.5	26	24	48	36	32	16	300	45.4	1150372081	24-BCE-S20-M27E	1)
S	25	M 33 x 2	PB 250	39.9	19	20	43	31	30.5	59	46	41	18	380	85.9	1150382081	24-BCE-S25-M33E	1)
S	30	M 42 x 2	PB 250	49.9	24	25	50	36.5	35.5	70	55	50	20	600	144.7	1150392081	24-BCE-S30-M42E	1)
S	38	M 48 x 2	PB 250	55.9	31	32	57	41	40.5	80	65	55	22	700	232.0	1150402081	24-BCE-S38-M48E	1)

¹⁾ Standard size

Banjo couplings

Compact design - **high-pressure**

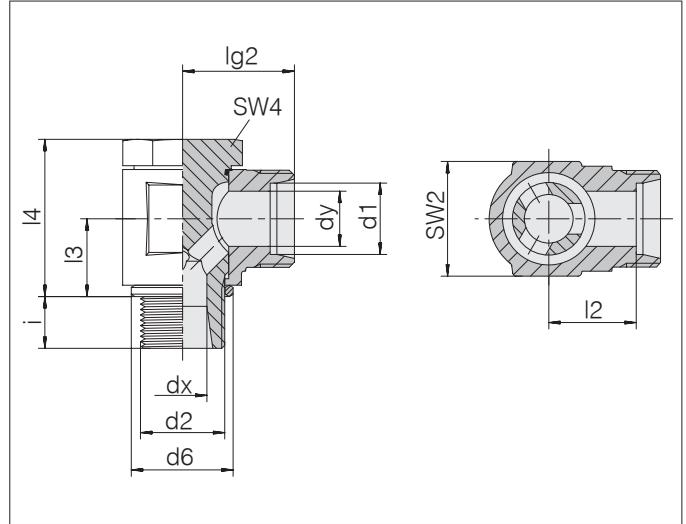
Male thread: BSPP thread, parallel

For threaded bores: ISO 1179-1 (Form N - narrow)

Sealing type: Seal-edge ring (Form B)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d6	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation		
Tube OD	d1																	
L	6	G 1/8 A	PB 500	14	4	4	20	13	10	21	14	14	8	25	5.9	1152412081	24-BCE-L6-G1/8B	1)
L	6	G 1/4 A	PB 500	18	5	4	22	15	13.5	27	19	19	10	45	5.9	1152422081	24-BCE-L6-G1/4B	
L	8	G 1/4 A	PB 500	18	5	6	21	14	13.5	27	19	19	10	45	9.3	1152432081	24-BCE-L8-G1/4B	1)
L	10	G 1/4 A	PB 500	18	5	8	22	15	13.5	27	19	19	10	45	10.2	1152442081	24-BCE-L10-G1/4B	1)
L	12	G 1/4 A	PB 400	18	5	10	22	15	15.5	30	22	19	10	45	15.8	1152452081	24-BCE-L12-G1/4B	
L	12	G 3/8 A	PB 400	22	8	10	24.5	17.5	16	32.5	24	22	10	75	15.9	1152462081	24-BCE-L12-G3/8B	1)
L	15	G 1/2 A	PB 400	26	11	12	28	21	21.5	43	30	27	12	110	28.4	1152472081	24-BCE-L15-G1/2B	1)
L	18	G 1/2 A	PB 400	26	11	15	28	20.5	21.5	43	30	27	12	110	32.0	1152482081	24-BCE-L18-G1/2B	1)
L	22	G 3/4 A	PB 250	32	15	19	34.5	27	24	48	36	32	16	210	48.5	1152492081	24-BCE-L22-G3/4B	1)
L	28	G 1 A	PB 250	39	19	24	39	31.5	30.5	59	46	41	18	380	88.2	1152502081	24-BCE-L28-G1B	1)
L	35	G 1 1/4 A	PB 250	49	24	30	46	35.5	35.5	70	55	50	20	500	150.8	1152512081	24-BCE-L35-G11/4B	1)
L	42	G 1 1/2 A	PB 250	55	31	36	51	40	40.5	80	65	55	22	650	234.1	1152522081	24-BCE-L42-G11/2B	1)
S	6	G 1/4 A	PB 500	18	5	4	23	16	13.5	27	19	19	10	50	8.7	1152532081	24-BCE-S6-G1/4B	1)
S	8	G 1/4 A	PB 500	18	5	5	23	16	13.5	27	19	19	10	50	10.3	1152542081	24-BCE-S8-G1/4B	1)
S	10	G 3/8 A	PB 500	22	8	7	25.5	18	16	32.5	24	22	10	80	17.0	1152552081	24-BCE-S10-G3/8B	1)
S	12	G 3/8 A	PB 400	22	8	8	25.5	18	16	32.5	24	22	10	80	17.9	1152562081	24-BCE-S12-G3/8B	1)
S	14	G 1/2 A	PB 400	26	11	10	30	22	19.5	41	30	27	12	160	30.3	1152572081	24-BCE-S14-G1/2B	1)
S	16	G 1/2 A	PB 400	26	11	12	30	21.5	21.5	43	30	27	12	160	31.6	1152582081	24-BCE-S16-G1/2B	1)
S	20	G 3/4 A	PB 315	32	15	16	36.5	26	24	48	36	32	16	250	51.8	1152592081	24-BCE-S20-G3/4B	1)
S	25	G 1 A	PB 250	39	19	20	43	31	30.5	59	46	41	18	380	103.0	1152602081	24-BCE-S25-G1B	1)
S	30	G 1 1/4 A	PB 250	49	24	25	50	36.5	35.5	70	55	50	20	600	163.7	1152612081	24-BCE-S30-G11/4B	1)
S	38	G 1 1/2 A	PB 250	55	31	32	57	41	40.5	80	65	55	22	700	262.7	1152622081	24-BCE-S38-G11/2B	1)

1) Standard size

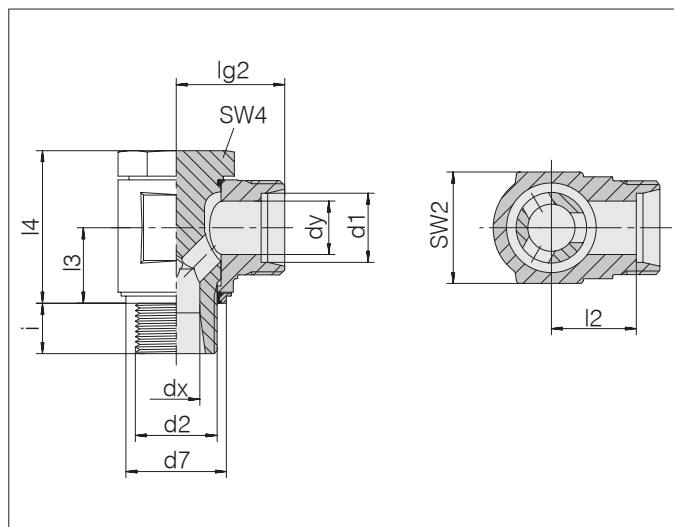


Banjo couplings

Compact version - **High pressure**

Male thread: BSPP thread, cylindrical
For threaded bores: ISO 1179-1 (Form N - narrow)
Sealing type: Soft sealing ring (Form E)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm	kg/100	Order-No.	Designation		
Tube OD	d1												-10 %	ca.				
L	6	G 1/8 A	PB 500	14.9	4	4	20	13	10	21	14	14	8	25	5.9	1150412081	24-BCE-L6-G1/8E	¹⁾
L	6	G 1/4 A	PB 500	18.9	5	4	22	15	13.5	27	19	19	10	45	5.9	1150422081	24-BCE-L6-G1/4E	
L	8	G 1/4 A	PB 500	18.9	5	6	21	14	13.5	27	19	19	10	45	9.3	1150432081	24-BCE-L8-G1/4E	¹⁾
L	10	G 1/4 A	PB 500	18.9	5	8	22	15	13.5	27	19	19	10	45	10.2	1150442081	24-BCE-L10-G1/4E	¹⁾
L	12	G 1/4 A	PB 400	18.9	5	10	22	15	15.5	30	22	19	10	45	15.8	1150452081	24-BCE-L12-G1/4E	
L	12	G 3/8 A	PB 400	21.9	8	10	24.5	17.5	16	32.5	24	22	10	75	15.9	1150462081	24-BCE-L12-G3/8E	¹⁾
L	15	G 1/2 A	PB 400	26.9	11	12	28	21	21.5	43	30	27	12	110	28.4	1150472081	24-BCE-L15-G1/2E	¹⁾
L	18	G 1/2 A	PB 400	26.9	11	15	28	20.5	21.5	43	30	27	12	110	32.0	1150482081	24-BCE-L18-G1/2E	¹⁾
L	22	G 3/4 A	PB 250	32.9	15	19	34.5	27	24	48	36	32	16	210	48.5	1150492081	24-BCE-L22-G3/4E	¹⁾
L	28	G 1 A	PB 250	39.9	19	24	39	31.5	30.5	59	46	41	18	380	88.2	1150502081	24-BCE-L28-G1E	¹⁾
L	35	G 1 1/4 A	PB 250	49.9	24	30	46	35.5	35.5	70	55	50	20	500	150.8	1150512081	24-BCE-L35-G11/4E	¹⁾
L	42	G 1 1/2 A	PB 250	55.9	31	36	51	40	40.5	80	65	55	22	650	234.1	1150522081	24-BCE-L42-G11/2E	¹⁾
S	6	G 1/4 A	PB 500	18.9	5	4	23	16	13.5	27	19	19	10	50	8.7	1150532081	24-BCE-S6-G1/4E	¹⁾
S	8	G 1/4 A	PB 500	18.9	5	5	23	16	13.5	27	19	19	10	50	10.3	1150542081	24-BCE-S8-G1/4E	¹⁾
S	10	G 3/8 A	PB 500	21.9	8	7	25.5	18	16	32.5	24	22	10	80	17.0	1150552081	24-BCE-S10-G3/8E	¹⁾
S	12	G 3/8 A	PB 400	21.9	8	8	25.5	18	16	32.5	24	22	10	80	17.9	1150562081	24-BCE-S12-G3/8E	¹⁾
S	14	G 1/2 A	PB 400	26.9	11	10	30	22	19.5	41	30	27	12	160	30.3	1150572081	24-BCE-S14-G1/2E	¹⁾
S	16	G 1/2 A	PB 400	26.9	11	12	30	21.5	21.5	43	30	27	12	160	31.6	1150582081	24-BCE-S16-G1/2E	¹⁾
S	20	G 3/4 A	PB 400	32.9	15	16	36.5	26	24	48	36	32	16	250	51.8	1150592081	24-BCE-S20-G3/4E	¹⁾
S	25	G 1 A	PB 250	39.9	19	20	43	31	30.5	59	46	41	18	380	103.0	1150602081	24-BCE-S25-G1E	¹⁾
S	30	G 1 1/4 A	PB 250	49.9	24	25	50	36.5	35.5	70	55	50	20	600	163.7	1150612081	24-BCE-S30-G11/4E	¹⁾
S	38	G 1 1/2 A	PB 250	55.9	31	32	57	41	40.5	80	65	55	22	700	262.7	1150622081	24-BCE-S38-G11/2E	¹⁾

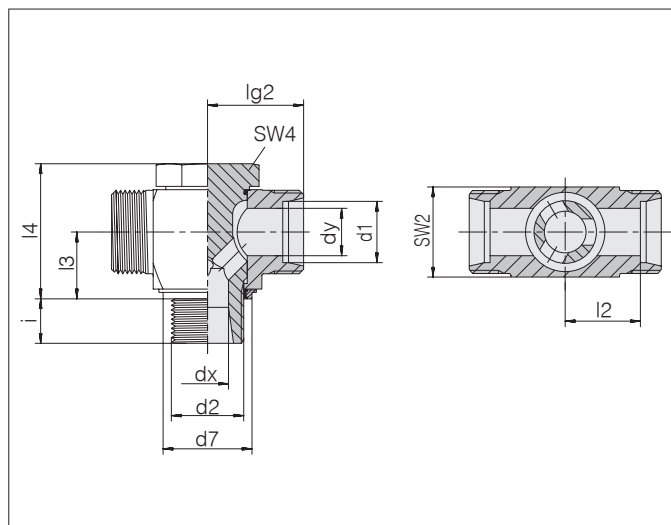
¹⁾ Standard size

T banjo couplings

Compact version - **High pressure**

Male thread: metric fine thread, cylindrical
For threaded bores: ISO 9974-1 (Form N - narrow)
Sealing type: Soft sealing ring (Form E)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation		
Tube OD	d1																	
L	6	M 10 x 1	PB 500	14.9	4	4	20	13	10	21	14	14	8	25	4.9	1154202081	24-BCT-L6-M10E-P	1)
L	8	M 12 x 1.5	PB 500	17.9	5	6	21	14	13.5	27	19	19	10	50	8.7	1154212081	24-BCT-L8-M12E-P	1)
L	10	M 14 x 1.5	PB 500	19.9	5	8	22	15	13.5	27	19	19	10	60	9.5	1150972081	24-BCT-L10-M14E-P	1)
L	12	M 16 x 1.5	PB 400	21.9	8	10	24.5	17.5	16	32.5	24	22	10	80	15.6	1154232081	24-BCT-L12-M16E-P	1)
L	12	M 18 x 1.5	PB 315	23.9	8	10	27	20	18.5	36	24	22	10	100	24.1	1154242081	24-BCT-L12-M18E-P	
L	15	M 18 x 1.5	PB 400	23.9	9.5	12	27	20	18.5	37	27	24	10	100	21.7	1154252081	24-BCT-L15-M18E-P	1)
L	18	M 22 x 1.5	PB 400	27.9	11	15	28	20.5	21.5	43	30	27	12	140	30.3	1154262081	24-BCT-L18-M22E-P	1)
L	22	M 26 x 1.5	PB 250	31.9	15	19	34.5	27	24	48	36	32	16	180	47.2	1154272081	24-BCT-L22-M26E-P	1)
L	28	M 33 x 2	PB 250	39.9	19	24	39	31.5	30.5	59	46	41	18	380	90.1	1154282081	24-BCT-L28-M33E-P	
L	35	M 42 x 2	PB 250	49.9	24	30	46	35.5	35.5	70	55	50	20	500	153.5	1154292081	24-BCT-L35-M42E-P	1)
L	42	M 48 x 2	PB 250	55.9	31	36	51	40	40.5	80	65	55	22	600	218.8	1154302081	24-BCT-L42-M48E-P	1)
S	6	M 12 x 1.5	PB 500	17.9	5	4	23	16	13.5	27	19	19	10	50	9.8	1154312081	24-BCT-S6-M12E-P	1)
S	8	M 14 x 1.5	PB 500	19.9	5	5	23	16	13.5	27	19	19	10	60	10.8	1154322081	24-BCT-S8-M14E-P	1)
S	10	M 16 x 1.5	PB 500	21.9	8	7	25.5	18	16	32.5	24	22	10	80	16.9	1154332081	24-BCT-S10-M16E-P	1)
S	12	M 18 x 1.5	PB 400	23.9	9.5	8	27	19.5	18.5	37	27	24	10	110	22.2	1154342081	24-BCT-S12-M18E-P	1)
S	16	M 22 x 1.5	PB 400	27.9	11	12	30	21.5	21.5	43	30	27	12	140	31.2	1154362081	24-BCT-S16-M22E-P	1)
S	20	M 27 x 2	PB 315	32.9	15	16	36.5	26	24	48	36	32	16	300	51.2	1154372081	24-BCT-S20-M27E-P	1)
S	25	M 33 x 2	PB 250	39.9	19	20	43	31	30.5	59	46	41	18	380	95.2	1154382081	24-BCT-S25-M33E-P	1)
S	30	M 42 x 2	PB 250	49.9	24	25	50	36.5	35.5	70	55	50	20	600	157.8	1154392081	24-BCT-S30-M42E-P	1)
S	38	M 48 x 2	PB 250	55.9	31	32	57	41	40.5	80	65	55	22	700	239.0	1154402081	24-BCT-S38-M48E-P	1)

¹⁾ Standard size

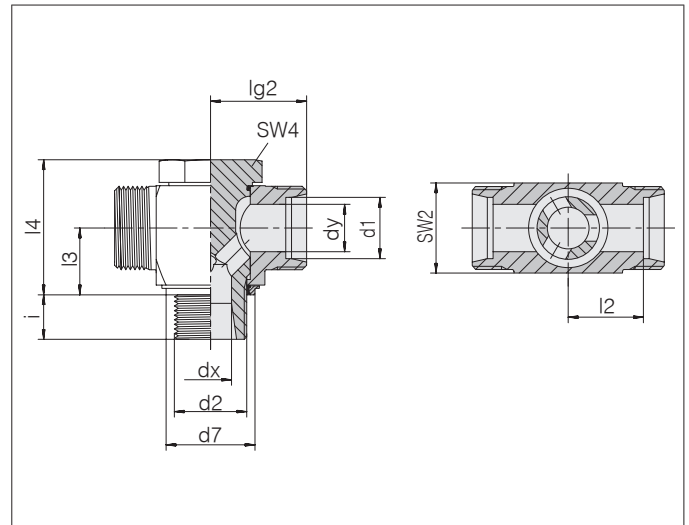


T banjo couplings

Compact version - **High pressure**

Male thread: BSPP thread, cylindrical
For threaded bores: ISO 1179-1 (Form N - narrow)
Sealing type: Soft sealing ring (Form E)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PB 500	14.9	4	4	20	13	10	21	14	14	8	25	4.8	1154412081	24-BCT-L6-G1/8E-P	1)
L	8	G 1/4 A	PB 500	18.9	5	6	21	14	13.5	27	19	19	10	45	9.0	1154432081	24-BCT-L8-G1/4E-P	1)
L	10	G 1/4 A	PB 500	18.9	5	8	22	15	13.5	27	19	19	10	45	9.2	1154442081	24-BCT-L10-G1/4E-P	1)
L	12	G 3/8 A	PB 400	21.9	8	10	24.5	17.5	16	32.5	24	22	10	75	15.4	1154462081	24-BCT-L12-G3/8E-P	1)
L	15	G 1/2 A	PB 400	26.9	11	12	28	21	21.5	43	30	27	12	110	28.7	1154472081	24-BCT-L15-G1/2E-P	1)
L	18	G 1/2 A	PB 400	26.9	11	15	28	20.5	21.5	43	30	27	12	110	29.4	1154482081	24-BCT-L18-G1/2E-P	1)
L	22	G 3/4 A	PB 250	32.9	15	19	35.5	28	24	48	36	32	16	210	49.2	1154492081	24-BCT-L22-G3/4E-P	1)
L	28	G 1 A	PB 250	39.9	19	24	39	31.5	30.5	59	46	41	18	380	89.9	1154502081	24-BCT-L28-G1E-P	1)
L	35	G 1 1/4 A	PB 250	49.9	24	30	46	35.5	35.5	70	55	50	20	500	152.9	1154512081	24-BCT-L35-G11/4E-P	1)
L	42	G 1 1/2 A	PB 250	55.9	31	36	51	40	40.5	80	65	55	22	650	218.8	1154522081	24-BCT-L42-G11/2E-P	1)
S	6	G 1/4 A	PB 500	18.9	5	4	23	16	13.5	27	19	19	10	50	10.0	1154532081	24-BCT-S6-G1/4E-P	1)
S	8	G 1/4 A	PB 500	18.9	5	5	23	16	13.5	27	19	19	10	50	10.5	1154542081	24-BCT-S8-G1/4E-P	1)
S	10	G 3/8 A	PB 500	21.9	8	7	25.5	18	16	32.5	24	22	10	80	16.7	1154552081	24-BCT-S10-G3/8E-P	1)
S	12	G 3/8 A	PB 400	21.9	8	8	25.5	18	16	32.5	24	22	10	80	17.2	1154562081	24-BCT-S12-G3/8E-P	1)
S	14	G 1/2 A	PB 400	26.9	11	10	30	22	19.5	41	30	27	12	160	29.4	1154572081	24-BCT-S14-G1/2E-P	1)
S	16	G 1/2 A	PB 400	26.9	11	12	30	21.5	21.5	43	30	27	12	160	30.3	1154582081	24-BCT-S16-G1/2E-P	1)
S	20	G 3/4 A	PB 315	32.9	15	16	36.5	26	24	48	36	32	16	250	51.1	1154592081	24-BCT-S20-G3/4E-P	1)
S	25	G 1 A	PB 250	39.9	19	20	43	31	30.5	59	46	41	18	380	95.0	1154602081	24-BCT-S25-G1E-P	1)
S	30	G 1 1/4 A	PB 250	49.9	24	25	50	36.5	35.5	70	55	50	20	600	157.3	1154612081	24-BCT-S30-G11/4E-P	1)
S	38	G 1 1/2 A	PB 250	55.9	31	32	57	41	40.5	80	65	55	22	700	239.0	1154622081	24-BCT-S38-G11/2E-P	1)

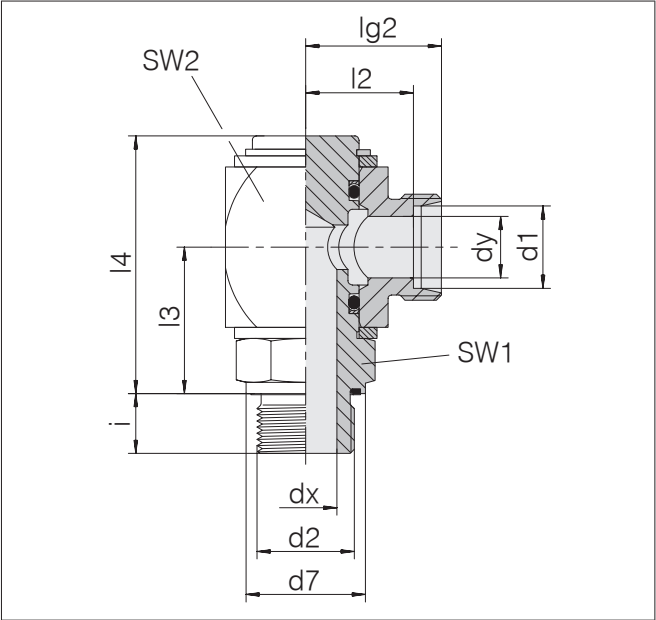
¹⁾ Standard size

Rotary couplings

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 9974-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1

Model: made of square section



Series		d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW1	SW2	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
Tube OD d1																		
L	6	M 10 x 1	PB 100	14.9	4	4	23.5	16.5	26.5	47	22	27	8	25	18.1	1175001081	24-RCE-L6-M10E-C10	¹⁾
L	8	M 12 x 1.5	PB 100	16.9	6	6	23.5	16.5	26.5	47	22	27	12	35	18.4	1175051081	24-RCE-L8-M12E-C10	¹⁾
L	10	M 14 x 1.5	PB 100	18.9	7	8	24.5	17.5	26.5	47	22	27	12	50	19.3	1175101081	24-RCE-L10-M14E-C10	¹⁾
L	12	M 16 x 1.5	PB 100	21.9	9	8	24.5	17.5	26.5	47	22	27	12	80	18.9	1175151081	24-RCE-L12-M16E-C10	¹⁾
L	15	M 18 x 1.5	PB 100	23.9	11	12	30.5	23.5	33.5	58.5	27	36	12	100	40.8	1175201081	24-RCE-L15-M18E-C10	¹⁾
L	15	M 22 x 1.5	PB 100	26.9	14	12	30.5	23.5	33.5	58.5	27	36	14	160	41.3	1175221081	24-RCE-L15-M22E-C10	
L	18	M 22 x 1.5	PB 100	26.9	14	13	30.5	23	33.5	58.5	27	36	14	160	41.0	1175251081	24-RCE-L18-M22E-C10	¹⁾
L	22	M 26 x 1.5	PB 100	31.9	17	18	34.5	27	38	65.5	32	41	16	220	54.3	1175301081	24-RCE-L22-M26E-C10	¹⁾
L	28	M 33 x 2	PB 100	39.9	22	22	37	29.5	42.5	72	41	46	18	300	78.4	1175351081	24-RCE-L28-M33E-C10	¹⁾
S	6	M 12 x 1.5	PB 400	16.9	4	4	25.5	18.5	26.5	47	22	27	12	50	20.0	1175501081	24-RCE-S6-M12E-C10	¹⁾
S	8	M 14 x 1.5	PB 400	18.9	5	5	26	18.5	26.5	47	22	27	12	60	20.3	1175551081	24-RCE-S8-M14E-C10	¹⁾
S	10	M 16 x 1.5	PB 400	21.9	7	7	25.5	18	26.5	47	22	27	12	100	20.3	1175601081	24-RCE-S10-M16E-C10	¹⁾
S	12	M 18 x 1.5	PB 400	23.9	8	8	30.5	23	33.5	58.5	27	36	12	120	42.7	1175651081	24-RCE-S12-M18E-C10	¹⁾
S	14	M 20 x 1.5	PB 400	25.9	10	10	33	25	33.5	58.5	27	36	14	170	43.2	1175701081	24-RCE-S14-M20E-C10	¹⁾
S	16	M 22 x 1.5	PB 400	26.9	12	12	33	24.5	33.5	58.5	27	36	14	190	42.9	1175751081	24-RCE-S16-M22E-C10	¹⁾
S	20	M 27 x 2	PB 400	32.9	16	16	36.5	26	38	65.5	32	41	16	300	56.8	1175801081	24-RCE-S20-M27E-C10	¹⁾
S	25	M 33 x 2	PB 250	39.9	20	20	41	29	42.5	72	41	46	18	450	79.0	1175851081	24-RCE-S25-M33E-C10	¹⁾

¹⁾ Standard size

These couplings are designed for slow rotary and swivelling motions of angles up to 360° and temperatures of up to 70 °C.

Example for comp. :
DVWE06LMOMD

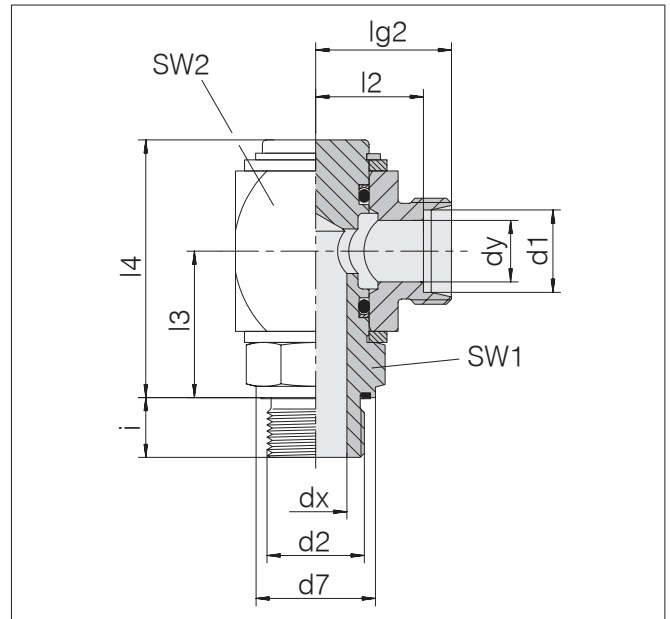


Rotary couplings

Male thread: BSPP thread, cylindrical
Threaded stud: ISO 1179-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1

Model: made of square section

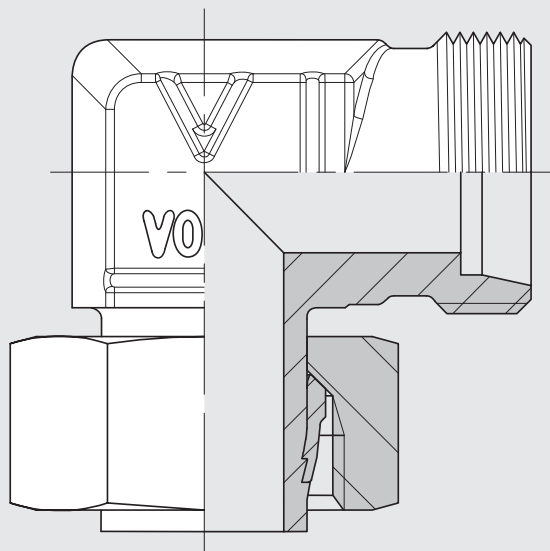


Series	d2	Pressure	d7	dx	dy	lg2	l2	l3	l4	SW1	SW2	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
Tube OD d1																
L 6	G 1/8 A	PB 100	13.9	4	4	23.5	16.5	26.5	47	22	27	8	25	18.9	1176001081	24-RCE-L6-G1/8E-C10
L 8	G 1/4 A	PB 100	18.9	6	6	23.5	16.5	26.5	47	22	27	12	50	19.4	1176051081	24-RCE-L8-G1/4E-C10
L 10	G 1/4 A	PB 100	18.9	7	8	24.5	17.5	26.5	47	22	27	12	50	18.9	1176101081	24-RCE-L10-G1/4E-C10
L 12	G 3/8 A	PB 100	21.9	9	8	24.5	17.5	26.5	47	22	27	12	80	18.9	1176151081	24-RCE-L12-G3/8E-C10
L 15	G 1/2 A	PB 100	26.9	11	12	30.5	23.5	33.5	58.5	27	36	14	170	41.8	1176201081	24-RCE-L15-G1/2E-C10
L 18	G 1/2 A	PB 100	26.9	14	13	30.5	23	33.5	58.5	27	36	14	170	40.4	1176251081	24-RCE-L18-G1/2E-C10
L 22	G 3/4 A	PB 100	31.9	17	18	34.5	27	38	65.5	32	41	16	240	55.1	1176301081	24-RCE-L22-G3/4E-C10
L 28	G 1 A	PB 100	39.9	22	22	37	29.5	42.5	72	41	46	18	370	77.3	1176351081	24-RCE-L28-G1E-C10
S 6	G 1/4 A	PB 400	18.9	4	4	25.5	18.5	26.5	47	22	27	12	60	20.0	1176501081	24-RCE-S6-G1/4E-C10
S 8	G 1/4 A	PB 400	18.9	5	5	26	18.5	26.5	47	22	27	12	60	20.3	1176551081	24-RCE-S8-G1/4E-C10
S 10	G 3/8 A	PB 400	21.9	7	7	25.5	18	26.5	47	22	27	12	110	20.7	1176601081	24-RCE-S10-G3/8E-C10
S 12	G 3/8 A	PB 400	21.9	8	8	30.5	23	33.5	58.5	27	36	12	110	42.4	1176651081	24-RCE-S12-G3/8E-C10
S 14	G 1/2 A	PB 400	26.9	10	10	33	25	33.5	58.5	27	36	14	200	43.7	1176701081	24-RCE-S14-G1/2E-C10
S 16	G 1/2 A	PB 400	26.9	12	12	33	24.5	33.5	58.5	27	36	14	200	42.4	1176751081	24-RCE-S16-G1/2E-C10
S 20	G 3/4 A	PB 400	31.9	16	16	36.5	26	38	65.5	32	41	16	320	57.4	1176801081	24-RCE-S20-G3/4E-C10
S 25	G 1 A	PB 250	39.9	20	20	41	29	42.5	72	41	46	18	500	98.0	1176851081	24-RCE-S25-G1E-C10

These couplings are designed for slow rotary and swivelling motions of angles up to 360° and temperatures of up to 70 °C.

Example for comp. :
DVWE06LROMD

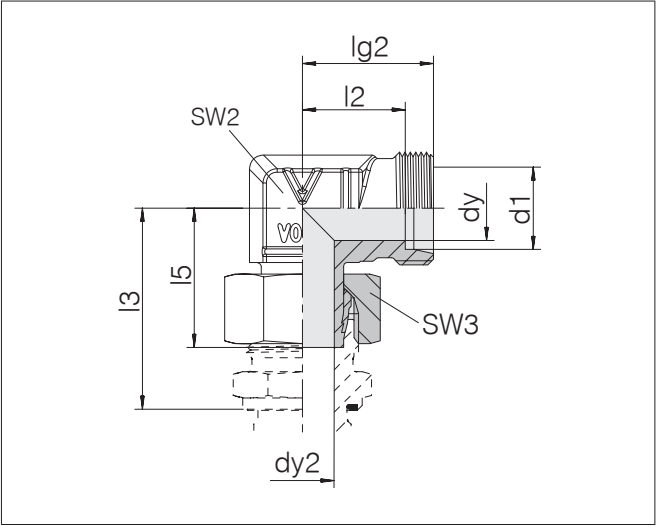
Adjustable couplings with tube socket



Swivel elbows

Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD d1		Pressure	dy	lg2	l2	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
L	6	PN 315	4	19	12	26	12	14	2.8	0158032007	24-SWE-L6
L	8	PN 315	6	21	14	27.5	12	17	3.8	0158082007	24-SWE-L8
L	10	PN 315	8	22	15	29	14	19	5.0	0158132007	24-SWE-L10
L	12	PN 315	10	24	17	29.5	17	22	6.6	0158182007	24-SWE-L12
L	15	PN 315	12	28	21	32.5	19	27	11.5	0158232007	24-SWE-L15
L	18	PN 315	15	31	23.5	35.5	24	32	17.8	0158282007	24-SWE-L18
L	22	PN 160	19	35	27.5	38.5	27	36	23.5	0158332007	24-SWE-L22
L	28	PN 160	24	38	30.5	41.5	36	41	34.1	0158382007	24-SWE-L28
L	35	PN 160	30	45	34.5	51	41	50	57.7	0158432007	24-SWE-L35
L	42	PN 160	36	51	40	56	50	60	87.2	0158482007	24-SWE-L42
S	6	PN 630	4	23	16	27	12	17	4.4	0158532007	24-SWE-S6
S	8	PN 630	5	24	17	27.5	14	19	5.9	0158582007	24-SWE-S8
S	10	PN 630	7	25	17.5	30	17	22	8.3	0158632007	24-SWE-S10
S	12	PN 630	8	29	21.5	31	17	24	10.5	0158682007	24-SWE-S12
S	14	PN 630	10	30	22	35	19	27	14.6	0158732007	24-SWE-S14
S	16	PN 400	12	33	24.5	36.5	24	30	19.9	0158782007	24-SWE-S16
S	20	PN 400	16	37	26.5	44.5	27	36	29.4	0158832007	24-SWE-S20
S	25	PN 400	20	42	30	50	36	46	54.1	0158882007	24-SWE-S25
S	30	PN 400	25	49	35.5	55	41	50	76.2	0158932007	24-SWE-S30
S	38	PN 315	32	57	41	63	50	60	118.9	0158982007	24-SWE-S38

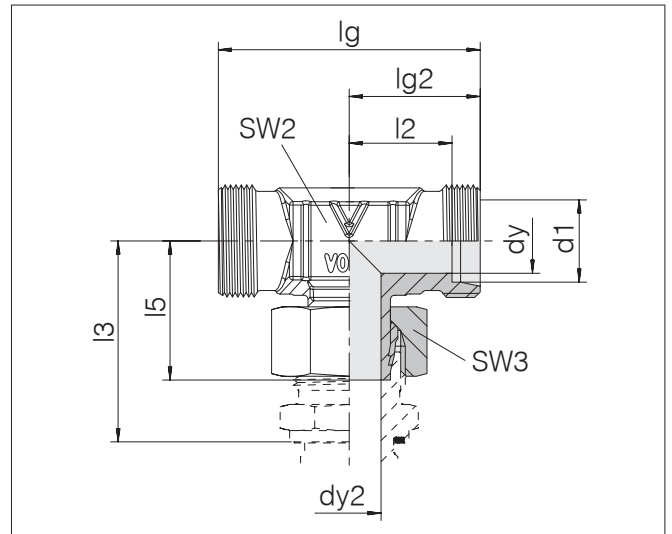
Example for comp. :
EVW06LOMD



Swivel branch tees

Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



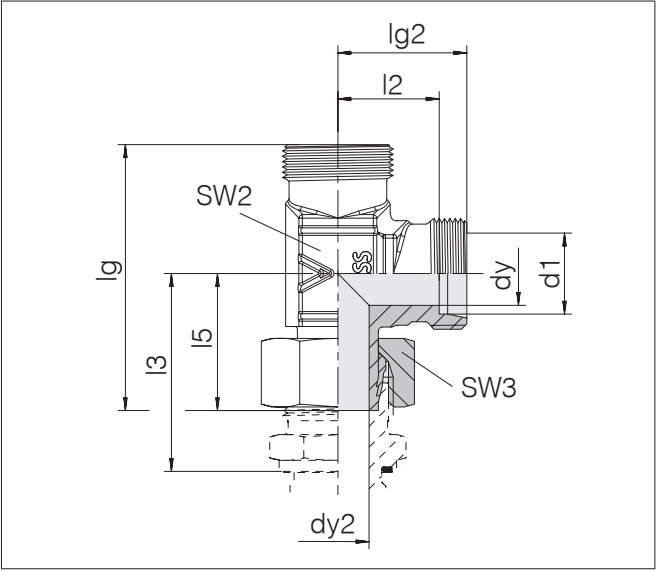
Series	Tube OD	Pressure	dy	lg	lg2	l2	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
L	6	PN 315	4	38	19	12	26	12	14	3.8	0160032007	24-SWT-L6
L	8	PN 315	6	42	21	14	27.5	12	17	4.8	0160082007	24-SWT-L8
L	10	PN 315	8	44	22	15	29	14	19	6.0	0160132007	24-SWT-L10
L	12	PN 315	10	48	24	17	29.5	17	22	7.9	0160182007	24-SWT-L12
L	15	PN 315	12	56	28	21	32.5	19	27	14.2	0160232007	24-SWT-L15
L	18	PN 315	15	62	31	23.5	35.5	24	32	21.1	0160282007	24-SWT-L18
L	22	PN 160	19	70	35	27.5	38.5	27	36	27.8	0160332007	24-SWT-L22
L	28	PN 160	24	76	38	30.5	41.5	36	41	38.6	0160382007	24-SWT-L28
L	35	PN 160	30	90	45	34.5	51	41	50	66.0	0160432007	24-SWT-L35
L	42	PN 160	36	102	51	40	56	50	60	101.8	0160482007	24-SWT-L42
S	6	PN 630	4	46	23	16	27	12	17	5.8	0160532007	24-SWT-S6
S	8	PN 630	5	48	24	17	27.5	14	19	7.6	0160582007	24-SWT-S8
S	10	PN 630	7	50	25	17.5	30	17	22	10.3	0160632007	24-SWT-S10
S	12	PN 630	8	58	29	21.5	31	17	24	13.5	0160682007	24-SWT-S12
S	14	PN 630	10	60	30	22	35	19	27	17.9	0160732007	24-SWT-S14
S	16	PN 400	12	66	33	24.5	36.5	24	30	24.1	0160782007	24-SWT-S16
S	20	PN 400	16	74	37	26.5	44.5	27	36	34.8	0160832007	24-SWT-S20
S	25	PN 400	20	84	42	30	50	36	46	63.0	0160882007	24-SWT-S25
S	30	PN 400	25	98	49	35.5	55	41	50	90.8	0160932007	24-SWT-S30
S	38	PN 315	32	114	57	41	63	50	60	141.7	0160982007	24-SWT-S38

Example for comp. :
EVT06LOMD

Swivel run tees

Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



Series		Pressure	dy	lg	lg2	l2	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
Tube OD												
d1												
L	6	PN 315	4	45	19	12	26	12	14	3.4	0162032007	24-SWL-L6
L	8	PN 315	6	48.5	21	14	27.5	12	17	4.7	0162082007	24-SWL-L8
L	10	PN 315	8	51	22	15	29	14	19	6.0	0162132007	24-SWL-L10
L	12	PN 315	10	53.5	24	17	29.5	17	22	7.9	0162182007	24-SWL-L12
L	15	PN 315	12	60.5	28	21	32.5	19	27	13.7	0162232007	24-SWL-L15
L	18	PN 315	15	66.5	31	23.5	35.5	24	32	20.8	0162282007	24-SWL-L18
L	22	PN 160	19	73.5	35	27.5	38.5	27	36	27.2	0162332007	24-SWL-L22
L	28	PN 160	24	79.5	38	30.5	41.5	36	41	39.1	0162382007	24-SWL-L28
L	35	PN 160	30	96	45	34.5	51	41	50	66.1	0162432007	24-SWL-L35
L	42	PN 160	36	107	51	40	56	50	60	100.6	0162482007	24-SWL-L42
S	6	PN 630	4	50	23	16	27	12	17	5.6	0162532007	24-SWL-S6
S	8	PN 630	5	51.5	24	17	27.5	14	19	7.8	0162582007	24-SWL-S8
S	10	PN 630	7	55	25	17.5	30	17	22	10.3	0162632007	24-SWL-S10
S	12	PN 630	8	60	29	21.5	31	17	24	13.4	0162682007	24-SWL-S12
S	14	PN 630	10	65	30	22	35	19	27	17.7	0162732007	24-SWL-S14
S	16	PN 400	12	69.5	33	24.5	36.5	24	30	22.5	0162782007	24-SWL-S16
S	20	PN 400	16	81.5	37	26.5	44.5	27	36	34.8	0162832007	24-SWL-S20
S	25	PN 400	20	92	42	30	50	36	46	63.5	0162882007	24-SWL-S25
S	30	PN 400	25	104	49	35.5	55	41	50	91.4	0162932007	24-SWL-S30
S	38	PN 315	32	120	57	41	63	50	60	141.7	0162982007	24-SWL-S38

Example for comp. :
EVL06LOMD

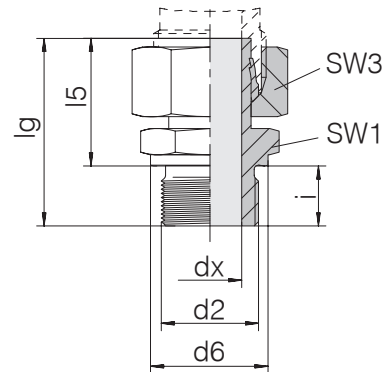


Swivel connectors

Male thread: Metric fine thread, cylindrical
Threaded stud: DIN 3852-1/ISO 9974-3 Form B
Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1

Tube socket pre-assembled



Series	Tube OD	d2	Pressure	d6	dx	lg	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PN 315	14	3.5	32.5	24.5	14	14	8	20	2.4	0164032007	24-SWSDS-L6-M10B	¹⁾
L	8	M 12 x 1.5	PN 315	17	5	38.5	26.5	17	17	12	30	4.0	0164082007	24-SWSDS-L8-M12B	¹⁾
L	10	M 14 x 1.5	PN 315	19	7	39.5	27.5	19	19	12	50	4.9	0164132007	24-SWSDS-L10-M14B	¹⁾
L	12	M 16 x 1.5	PN 315	21	9	42.5	30.5	22	22	12	70	6.8	0164182007	24-SWSDS-L12-M16B	¹⁾
L	12	M 18 x 1.5	PN 315	23	8.8	42.5	30.5	24	22	12	90	7.8	1199172007	24-SWSDS-L12-M18B	
L	12	M 22 x 1.5	PN 315	27	9	46	32	27	22	14	140	10.8	0185712007	24-SWSDS-L12-M22B	
L	15	M 18 x 1.5	PN 315	23	11	43.5	31.5	24	27	12	90	9.8	0164232007	24-SWSDS-L15-M18B	¹⁾
L	18	M 22 x 1.5	PN 315	27	14	45.5	31.5	27	32	14	140	14.0	0164282007	24-SWSDS-L18-M22B	¹⁾
L	22	M 26 x 1.5	PN 160	31	17	48.5	32.5	32	36	16	190	19.6	0164332007	24-SWSDS-L22-M26B	¹⁾
L	28	M 33 x 2	PN 160	39	22.5	53	35	41	41	18	300	26.9	0164382007	24-SWSDS-L28-M33B	¹⁾
L	35	M 42 x 2	PN 160	49	28.5	62.5	42.5	50	50	20	500	45.7	0164432007	24-SWSDS-L35-M42B	¹⁾
L	42	M 48 x 2	PN 160	55	35	68.5	46.5	55	60	22	600	60.7	0164482007	24-SWSDS-L42-M48B	¹⁾
S	6	M 12 x 1.5	PB 630	17	3.5	39	27	17	17	12	45	4.4	0164532007	24-SWSDS-S6-M12B	¹⁾
S	8	M 14 x 1.5	PB 630	19	4.5	41.5	29.5	19	19	12	60	6.0	0164582007	24-SWSDS-S8-M14B	¹⁾
S	10	M 16 x 1.5	PB 630	21	6	44	32	22	22	12	80	8.3	0164632007	24-SWSDS-S10-M16B	¹⁾
S	12	M 18 x 1.5	PB 630	23	7	46	34	24	24	12	120	11.0	0164682007	24-SWSDS-S12-M18B	¹⁾
S	14	M 20 x 1.5	PB 630	25	9	50.5	36.5	27	27	14	160	14.7	0164732007	24-SWSDS-S14-M20B	¹⁾
S	16	M 22 x 1.5	PB 400	27	11	51	37	27	30	14	170	17.0	0164782007	24-SWSDS-S16-M22B	¹⁾
S	20	M 27 x 2	PB 400	32	15	59	43	32	36	16	280	25.3	0164832007	24-SWSDS-S20-M27B	¹⁾
S	25	M 33 x 2	PB 400	39	18	66	48	41	46	18	450	48.8	0164882007	24-SWSDS-S25-M33B	¹⁾
S	30	M 42 x 2	PB 250	49	23	71	51	50	50	20	540	65.9	0164932007	24-SWSDS-S30-M42B	¹⁾
S	38	M 48 x 2	PB 250	55	29	82	60	55	60	22	700	95.2	0164982007	24-SWSDS-S38-M48B	¹⁾

¹⁾ Standard size

At PB 630, the safety is 2.

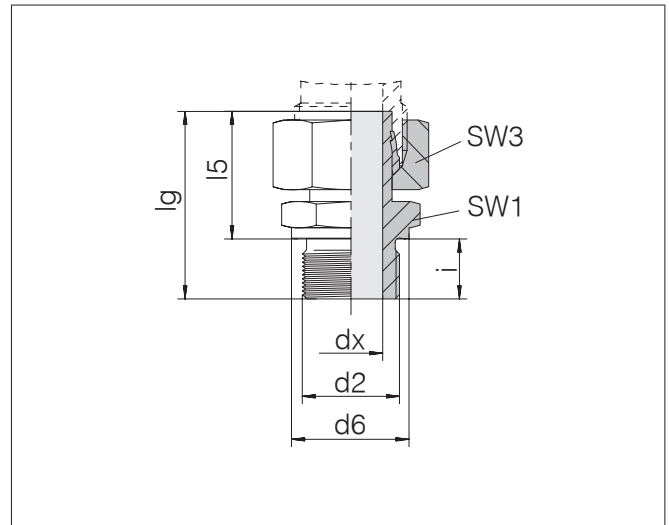
Example for comp. :
EVGE06LM

Swivel connectors

Male thread: BSPP thread, cylindrical
Threaded stud: DIN ISO 1179-4 Form B
Sealing type: Sealing edge

Tube coupling: 24° in acc. with ISO 8434-1

Tube socket pre-assembled



Series	Tube OD	d2	Pressure	d6	dx	lg	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PN 315	14	3.5	32.5	24.5	14	14	8	20	2.4	0165032007	24-SWSDS-L6-G1/8B	¹⁾
L	8	G 1/4 A	PN 315	18	4.5	41.5	29.5	19	17	12	50	4.6	0165082007	24-SWSDS-L8-G1/4B	¹⁾
L	10	G 1/4 A	PN 315	18	6	39.5	27.5	19	19	12	50	5.1	0165132007	24-SWSDS-L10-G1/4B	¹⁾
L	12	G 1/4 A	PN 315	18	6	45.5	33.5	19	22	12	50	7.0	0197372007	24-SWSDS-L12-G1/4B	
L	12	G 3/8 A	PN 315	22	7	46	34	22	22	12	80	8.2	0165182007	24-SWSDS-L12-G3/8B	¹⁾
L	12	G 1/2 A	PN 315	26	7	48.5	34.5	27	22	14	140	9.8	0197382007	24-SWSDS-L12-G1/2B	
L	15	G 3/8 A	PN 315	22	9	43.5	31.5	22	27	12	80	9.6	0186042007	24-SWSDS-L15-G3/8B	
L	15	G 1/2 A	PN 315	26	11	46	32	27	27	14	140	11.9	0165232007	24-SWSDS-L15-G1/2B	¹⁾
L	18	G 1/2 A	PN 315	26	14	45.5	31.5	27	32	14	140	13.6	0165282007	24-SWSDS-L18-G1/2B	¹⁾
L	22	G 3/4 A	PN 160	32	18	48.5	32.5	32	36	16	190	18.7	0165332007	24-SWSDS-L22-G3/4B	¹⁾
L	28	G 1 A	PN 160	39	22.5	53	35	41	41	18	330	27.1	0165382007	24-SWSDS-L28-G1B	¹⁾
L	35	G 1 1/4 A	PN 160	49	29	62.5	42.5	50	50	20	540	44.8	0165432007	24-SWSDS-L35-G11/4B	¹⁾
L	42	G 1 1/2 A	PN 160	55	35	68.5	46.5	55	60	22	630	60.7	0165482007	24-SWSDS-L42-G11/2B	¹⁾
S	6	G 1/4 A	PB 630	18	3.5	39	27	19	17	12	60	4.9	0165532007	24-SWSDS-S6-G1/4B	¹⁾
S	8	G 1/4 A	PB 630	18	4.5	41.5	29.5	19	19	12	60	5.8	0165582007	24-SWSDS-S8-G1/4B	¹⁾
S	10	G 3/8 A	PB 630	22	6	44	32	22	22	12	100	8.7	0165632007	24-SWSDS-S10-G3/8B	¹⁾
S	12	G 1/4 A	PB 630	18	5	45.5	33.5	19	24	12	60	8.4	0194242007	24-SWSDS-S12-G1/4B	
S	12	G 3/8 A	PB 630	22	7	46	34	22	24	12	100	10.0	0165682007	24-SWSDS-S12-G3/8B	¹⁾
S	12	G 1/2 A	PB 400	26	7	48.5	34.5	27	24	14	160	14.9	0189612007	24-SWSDS-S12-G1/2B	
S	14	G 1/2 A	PB 630	26	9	50.5	36.5	27	27	14	160	15.4	0165732007	24-SWSDS-S14-G1/2B	¹⁾
S	16	G 1/2 A	PB 400	26	11	51	37	27	30	14	160	16.3	0165782007	24-SWSDS-S16-G1/2B	¹⁾
S	20	G 3/4 A	PB 400	32	15	59	43	32	36	16	280	26.0	0165832007	24-SWSDS-S20-G3/4B	¹⁾
S	25	G 1 A	PB 400	39	18	66	48	41	46	18	440	48.5	0165882007	24-SWSDS-S25-G1B	¹⁾
S	30	G 1 1/4 A	PB 250	49	22.5	71	51	50	50	20	580	67.2	0165932007	24-SWSDS-S30-G11/4B	¹⁾
S	38	G 1 1/2 A	PB 250	55	28.5	82	60	55	60	22	700	96.9	0165982007	24-SWSDS-S38-G11/2B	¹⁾

¹⁾ Standard size

Example for comp. :
EVGE06LR



Swivel connectors

Male thread: NPT thread, tapered

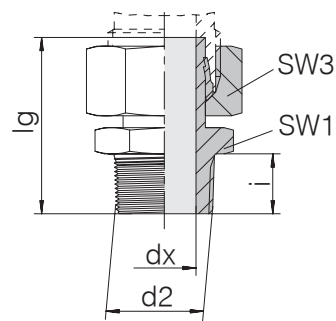
Threaded stud: ASME B1.20.1

Sealing type: Tapered thread

Sealing material: e.g. PTFE sealing tape

Tube coupling: 24° in acc. with ISO 8434-1

Tube socket pre-assembled



Series	Tube OD	d2	Pressure	dx	lg	SW1	SW3	i	kg/100 ca.	Order-No.	Designation
L	6	1/8 NPT	PN 315	3.5	33	11	14	9.9	2.2	0172802007	24-SWSDS-L6-N1/8T
L	8	1/4 NPT	PN 315	5	39.6	14	17	15.1	3.5	0172812007	24-SWSDS-L8-N1/4T
L	10	1/4 NPT	PN 315	7	40.6	14	19	15.1	4.2	0172822007	24-SWSDS-L10-N1/4T
L	12	3/8 NPT	PN 315	7	43	19	22	15.2	7.2	0172832007	24-SWSDS-L12-N3/8T
L	15	1/2 NPT	PN 315	11	48.5	22	27	19.8	11.0	0172842007	24-SWSDS-L15-N1/2T
L	18	1/2 NPT	PN 315	13	48	22	32	19.8	13.0	0172852007	24-SWSDS-L18-N1/2T
L	22	3/4 NPT	PN 160	17	50	27	36	20.1	18.2	0172862007	24-SWSDS-L22-N3/4T
L	28	1 NPT	PN 160	22.5	57	36	41	25	25.9	0172872007	24-SWSDS-L28-N1T
L	35	1 1/4 NPT	PN 160	29	65	46	50	25.6	42.8	0172882007	24-SWSDS-L35-N11/4T
L	42	1 1/2 NPT	PN 160	35	69	50	60	26	57.5	0172892007	24-SWSDS-L42-N11/2T
S	6	1/4 NPT	PN 630	3.5	40	14	17	15.1	4.3	0172902007	24-SWSDS-S6-N1/4T
S	8	1/4 NPT	PN 630	4.5	42	14	19	15.1	4.9	0172912007	24-SWSDS-S8-N1/4T
S	10	3/8 NPT	PN 630	6	44	19	22	15.2	8.0	0172922007	24-SWSDS-S10-N3/8T
S	12	3/8 NPT	PN 630	7	46	19	24	15.2	8.6	0172932007	24-SWSDS-S12-N3/8T
S	14	1/2 NPT	PN 630	9	53	22	27	19.8	13.8	0172942007	24-SWSDS-S14-N1/2T
S	16	1/2 NPT	PN 400	11	52.8	22	30	19.8	14.7	0172952007	24-SWSDS-S16-N1/2T
S	20	3/4 NPT	PN 400	15	60	27	36	20.1	23.9	0172962007	24-SWSDS-S20-N3/4T
S	25	1 NPT	PN 400	18	69	36	46	25	46.0	0172972007	24-SWSDS-S25-N1T
S	30	1 1/4 NPT	PN 400	22.5	72.6	46	50	25.6	65.2	0172982007	24-SWSDS-S30-N11/4T
S	38	1 1/2 NPT	PN 315	28.5	83	50	60	26	86.3	0172992007	24-SWSDS-S38-N11/2T

Threaded stud NPT in acc. with ASME B 1 - 20.01 are approved for use for gas supply in acc. with DIN 3387-1.

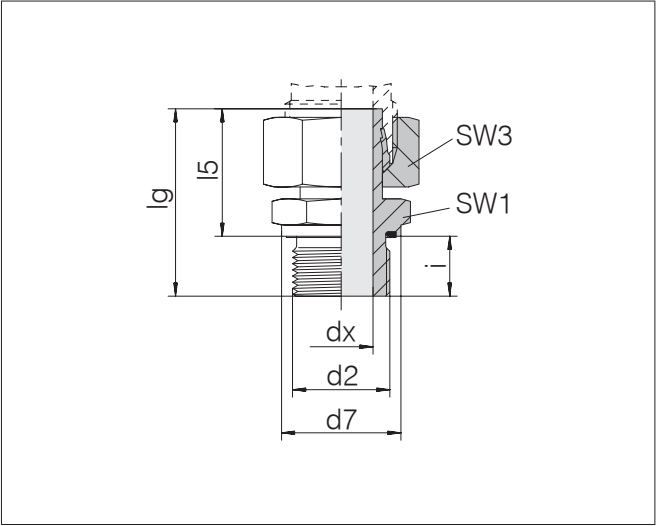
Example for comp. :
EVGE06L1/8NPT

Swivel connectors

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 9974-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1

Tube socket pre-assembled



Series	Tube OD	d2	Pressure	d7	dx	lg	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PN 315	13.9	3.5	32.5	24.5	14	14	8	15	2.3	0174802007	24-SWSDS-L6-M10E	¹⁾
L	8	M 12 x 1.5	PN 315	16.9	5	38.5	26.5	17	17	12	25	3.9	0174812007	24-SWSDS-L8-M12E	¹⁾
L	10	M 14 x 1.5	PN 315	18.9	7	39.5	27.5	19	19	12	50	4.9	0174822007	24-SWSDS-L10-M14E	¹⁾
L	12	M 16 x 1.5	PN 315	21.9	9	42.5	30.5	22	22	12	70	6.8	0174832007	24-SWSDS-L12-M16E	¹⁾
L	15	M 18 x 1.5	PN 315	23.9	11	43.5	31.5	24	27	12	90	9.8	0174842007	24-SWSDS-L15-M18E	¹⁾
L	18	M 22 x 1.5	PN 315	26.9	14	45.5	31.5	27	32	14	130	14.0	0174852007	24-SWSDS-L18-M22E	¹⁾
L	22	M 26 x 1.5	PN 160	31.9	17	48.5	32.5	32	36	16	180	19.4	0174862007	24-SWSDS-L22-M26E	¹⁾
L	28	M 33 x 2	PN 160	39.9	22.5	53	35	41	41	18	230	27.0	0174872007	24-SWSDS-L28-M33E	¹⁾
L	35	M 42 x 2	PN 160	49.9	28.5	62.5	42.5	50	50	20	330	45.3	0174882007	24-SWSDS-L35-M42E	¹⁾
L	42	M 48 x 2	PN 160	54.9	35	68.5	46.5	55	60	22	500	62.7	0174892007	24-SWSDS-L42-M48E	¹⁾
S	6	M 12 x 1.5	PN 630	16.9	3.5	39	27	17	17	12	50	4.3	0174902007	24-SWSDS-S6-M12E	¹⁾
S	8	M 14 x 1.5	PN 630	18.9	4.5	41.5	29.5	19	19	12	60	6.0	0174912007	24-SWSDS-S8-M14E	¹⁾
S	10	M 16 x 1.5	PN 630	21.9	6	44	32	22	22	12	80	8.6	0174922007	24-SWSDS-S10-M16E	¹⁾
S	12	M 18 x 1.5	PN 630	23.9	7	46	34	24	24	12	90	10.9	0174932007	24-SWSDS-S12-M18E	¹⁾
S	14	M 20 x 1.5	PN 630	25.9	9	50.5	36.5	27	27	14	130	14.6	0174942007	24-SWSDS-S14-M20E	¹⁾
S	16	M 22 x 1.5	PN 400	26.9	11	51	37	27	30	14	130	16.7	0174952007	24-SWSDS-S16-M22E	¹⁾
S	20	M 27 x 2	PN 400	31.9	15	59	43	32	36	16	200	25.4	0174962007	24-SWSDS-S20-M27E	¹⁾
S	25	M 33 x 2	PN 400	39.9	18	66	48	41	46	18	250	48.6	0174972007	24-SWSDS-S25-M33E	¹⁾
S	30	M 42 x 2	PN 400	49.9	23	71	51	50	50	20	500	66.2	0174982007	24-SWSDS-S30-M42E	¹⁾
S	38	M 48 x 2	PN 315	54.9	29	82	60	55	60	22	600	93.3	0174992007	24-SWSDS-S38-M48E	¹⁾

¹⁾ Standard size

Example for comp. :
EVGE06LMED



Swivel connectors

Male thread: BSPP thread, cylindrical

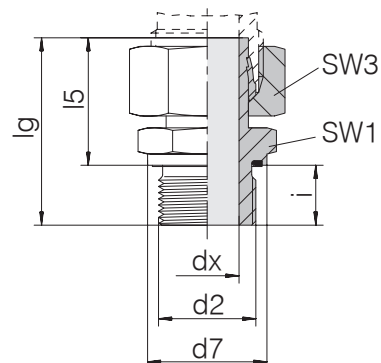
Threaded stud: ISO 1179-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1

Tube socket pre-assembled



Series	Tube OD	d2	Pressure	d7	dx	lg	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	G 1/8 A	PN 315	13.9	3.5	32.5	24.5	14	14	8	20	2.3	0177802007	24-SWSDS-L6-G1/8E	¹⁾
L	6	G 1/4 A	PN 315	18.9	3.5	38	26	19	14	12	50	3.9	0177172007	24-SWSDS-L6-G1/4E	
L	8	G 1/4 A	PN 315	18.9	4.5	41.5	29.5	19	17	12	50	4.6	0177812007	24-SWSDS-L8-G1/4E	¹⁾
L	8	G 3/8 A	PN 315	21.9	4.5	43	31	22	17	14	80	6.0	1177072007	24-SWSDS-L8-G3/8E	
L	10	G 1/4 A	PN 315	18.9	6	39.5	27.5	19	19	12	50	5.0	0177822007	24-SWSDS-L10-G1/4E	¹⁾
L	10	G 3/8 A	PN 315	21.9	7	41	29	22	19	12	80	6.4	1177042007	24-SWSDS-L10-G3/8E	
L	12	G 1/4 A	PN 315	18.9	6	45.5	33.5	19	22	12	50	7.0	1177032007	24-SWSDS-L12-G1/4E	
L	12	G 3/8 A	PN 315	21.9	7	46	34	22	22	12	80	8.0	0177832007	24-SWSDS-L12-G3/8E	¹⁾
L	12	G 1/2 A	PN 315	26.9	7	48.5	34.5	27	22	14	100	10.1	1177012007	24-SWSDS-L12-G1/2E	
L	15	G 3/8 A	PN 315	21.9	9	43.5	31.5	22	27	12	80	9.4	1177052007	24-SWSDS-L15-G3/8E	
L	15	G 1/2 A	PN 315	26.9	11	46	32	27	27	14	100	11.7	0177842007	24-SWSDS-L15-G1/2E	¹⁾
L	18	G 1/2 A	PN 315	26.9	14	45.5	31.5	27	32	14	100	13.4	0177852007	24-SWSDS-L18-G1/2E	¹⁾
L	22	G 1/2 A	PN 160	26.9	14	46.5	32.5	27	36	14	100	15.4	0177742007	24-SWSDS-L22-G1/2E	
L	22	G 3/4 A	PN 160	31.9	18	48.5	32.5	32	36	16	180	18.4	0177862007	24-SWSDS-L22-G3/4E	¹⁾
L	28	G 1 A	PN 160	39.9	22.5	53	35	41	41	18	230	26.8	0177872007	24-SWSDS-L28-G1E	¹⁾
L	35	G 1 1/4 A	PN 160	49.9	29	62.5	42.5	50	50	20	330	43.9	0177882007	24-SWSDS-L35-G11/4E	¹⁾
L	42	G 1 1/2 A	PN 160	54.9	35	68.5	46.5	55	60	22	500	62.3	0177892007	24-SWSDS-L42-G11/2E	¹⁾
S	6	G 1/4 A	PN 630	18.9	3.5	39	27	19	17	12	60	4.9	0177902007	24-SWSDS-S6-G1/4E	¹⁾
S	8	G 1/4 A	PN 630	18.9	4.5	41.5	29.5	19	19	12	60	5.8	0177912007	24-SWSDS-S8-G1/4E	¹⁾
S	10	G 1/4 A	PN 630	18.9	5	43.5	31.5	19	22	12	60	7.2	0177762007	24-SWSDS-S10-G1/4E	
S	10	G 3/8 A	PN 630	21.9	6	44	32	22	22	12	90	8.7	0177922007	24-SWSDS-S10-G3/8E	¹⁾
S	12	G 3/8 A	PN 630	21.9	7	46	34	22	24	12	90	9.9	0177932007	24-SWSDS-S12-G3/8E	¹⁾
S	12	G 1/2 A	PN 630	26.9	7	48.5	34.5	27	24	14	150	12.8	0177792007	24-SWSDS-S12-G1/2E	
S	14	G 1/2 A	PN 630	26.9	9	50.5	36.5	27	27	14	150	15.4	0177942007	24-SWSDS-S14-G1/2E	¹⁾
S	16	G 1/2 A	PN 400	26.9	11	51	37	27	30	14	150	16.2	0177952007	24-SWSDS-S16-G1/2E	¹⁾
S	16	G 3/4 A	PN 400	31.9	11	55	39	32	30	16	200	22.7	1177062007	24-SWSDS-S16-G3/4E	
S	20	G 3/4 A	PN 400	31.9	15	59	43	32	36	16	200	25.5	0177962007	24-SWSDS-S20-G3/4E	¹⁾
S	25	G 1 A	PN 400	39.9	18	66	48	41	46	18	250	48.8	0177972007	24-SWSDS-S25-G1E	¹⁾
S	30	G 1 1/4 A	PN 400	49.9	22.5	71	51	50	50	20	500	66.7	0177982007	24-SWSDS-S30-G11/4E	¹⁾
S	38	G 1 1/2 A	PN 315	54.9	28.5	82	60	55	60	22	600	95.3	0177992007	24-SWSDS-S38-G11/2E	¹⁾

¹⁾ Standard size

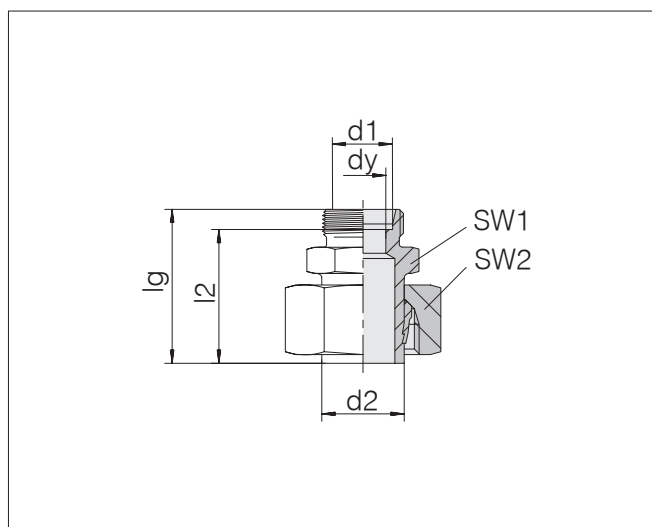
Example for comp. :
EVGE06LRED

Tube end reducers

with hexagon for locking

Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



Tube socket d2	Series Tube OD d1	Pressure	dy	lg	l2	SW1	SW2	kg/100 ca.	Order-No.	Designation
L 6	LL 4	PN 100	3	31	27	11	14	2.1	0188462074	24-SWS-L6-LL4
L 8	L 6	PN 315	4	33	26	12	17	2.9	0148052074	24-SWS-L8-L6
L 10	L 6	PN 315	4	34	27	12	19	3.4	0148112074	24-SWS-L10-L6
L 10	L 8	PN 315	6	35	28	14	19	3.8	0148102074	24-SWS-L10-L8
L 12	L 6	PN 315	4	37	30	14	22	4.7	0148172074	24-SWS-L12-L6
L 12	L 8	PN 315	6	37	30	14	22	4.8	0148162074	24-SWS-L12-L8
L 12	L 10	PN 315	8	38	31	17	22	5.2	0148152074	24-SWS-L12-L10
L 12	S 8	PN 315	5	39	32	17	22	5.7	0186092074	24-SWS-L12-S8
L 15	L 6	PN 315	4	38	31	17	27	7.4	0148232074	24-SWS-L15-L6
L 15	L 8	PN 315	6	38	31	17	27	7.5	0148222074	24-SWS-L15-L8
L 15	L 10	PN 315	8	39	32	17	27	7.7	0148212074	24-SWS-L15-L10
L 15	L 12	PN 315	10	40	33	19	27	8.2	0148202074	24-SWS-L15-L12
L 18	L 6	PN 315	4	37.5	30.5	19	32	11.0	0148292074	24-SWS-L18-L6
L 18	L 8	PN 315	6	37.5	30.5	19	32	10.2	0148282074	24-SWS-L18-L8
L 18	L 10	PN 315	8	38.5	31.5	19	32	10.2	0148272074	24-SWS-L18-L10
L 18	L 12	PN 315	10	38.5	31.5	19	32	10.3	0148262074	24-SWS-L18-L12
L 18	L 15	PN 315	12	39.5	32.5	24	32	11.9	0148252074	24-SWS-L18-L15
L 18	S 16	PN 315	12	50	41.5	30	32	19.2	0196612074	24-SWS-L18-S16
L 22	L 6	PN 160	4	41	34	24	36	14.8	0199032074	24-SWS-L22-L6
L 22	L 8	PN 160	6	38.5	31.5	24	36	14.5	0148342074	24-SWS-L22-L8
L 22	L 10	PN 160	8	39.5	32.5	24	36	14.1	0148332074	24-SWS-L22-L10
L 22	L 12	PN 160	10	39.5	32.5	24	36	14.1	0148322074	24-SWS-L22-L12
L 22	L 15	PN 160	12	40.5	33.5	24	36	14.7	0148312074	24-SWS-L22-L15
L 22	L 18	PN 160	15	41.5	34	27	36	16.2	0148302074	24-SWS-L22-L18
L 22	S 20	PN 160	16	50.5	40	32	36	21.5	0198362074	24-SWS-L22-S20
L 28	L 6	PN 160	4	42	35	30	41	19.1	0198652074	24-SWS-L28-L6
L 28	L 8	PN 160	6	42	35	30	41	17.5	0199022074	24-SWS-L28-L8
L 28	L 10	PN 160	8	41	34	30	41	17.8	0148392074	24-SWS-L28-L10
L 28	L 12	PN 160	10	41	34	30	41	18.3	0148382074	24-SWS-L28-L12
L 28	L 15	PN 160	12	42	35	30	41	18.4	0148372074	24-SWS-L28-L15
L 28	L 18	PN 160	15	43	35.5	30	41	19.1	0148362074	24-SWS-L28-L18

Other diameter combinations
available upon request.

Example for comp. :
KOR08/06LOMD

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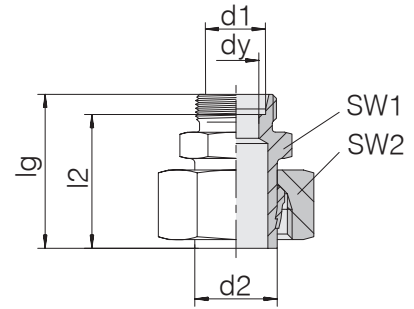


Tube end reducers

with hexagon for locking

Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



Tube socket d2	Series Tube OD d1	Pressure	dy	lg	l2	SW1	SW2	kg/100 ca.	Order-No.	Designation
L 28	L 22	PN 160	19	45	37.5	32	41	20.2	0148352074	24-SWS-L28-L22
L 28	S 25	PN 160	20	58	46	41	41	38.7	0197632074	24-SWS-L28-S25
L 35	L 8	PN 160	6	48	41	36	50	27.9	0198712074	24-SWS-L35-L8
L 35	L 10	PN 160	8	49	42	36	50	28.8	0198892074	24-SWS-L35-L10
L 35	L 12	PN 160	10	47.5	40.5	36	50	28.6	0148442074	24-SWS-L35-L12
L 35	L 15	PN 160	12	48.5	41.5	36	50	29.1	0148432074	24-SWS-L35-L15
L 35	L 18	PN 160	15	49.5	42	36	50	28.7	0148422074	24-SWS-L35-L18
L 35	L 22	PN 160	19	51.5	44	36	50	28.8	0148412074	24-SWS-L35-L22
L 35	L 28	PN 160	24	52.5	45	41	50	31.8	0148402074	24-SWS-L35-L28
L 42	L 10	PN 160	8	51	44	46	60	44.2	0199802074	24-SWS-L42-L10
L 42	L 12	PN 160	10	51	44	46	60	45.2	0199812074	24-SWS-L42-L12
L 42	L 15	PN 160	12	52	45	46	60	45.0	0148492074	24-SWS-L42-L15
L 42	L 18	PN 160	15	52	44.5	46	60	46.2	0148482074	24-SWS-L42-L18
L 42	L 22	PN 160	19	54	46.5	46	60	44.9	0148472074	24-SWS-L42-L22
L 42	L 28	PN 160	24	55	47.5	46	60	45.1	0148462074	24-SWS-L42-L28
L 42	L 35	PN 160	30	58	47.5	46	60	47.8	0148452074	24-SWS-L42-L35

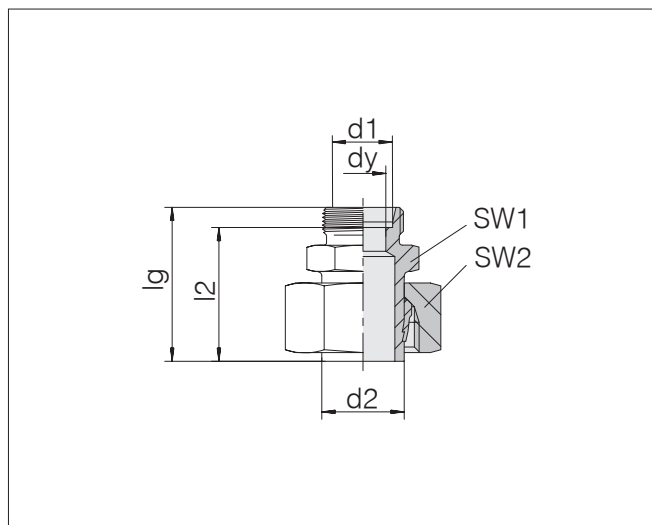
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Tube end reducers

with hexagon for locking

Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



Tube socket d2	Series Tube OD d1	Pressure	dy	lg	l2	SW1	SW2	kg/100 ca.	Order-No.	Designation
S 8	S 6	PN 630	4	37	30	14	19	4.4	0148552074	24-SWS-S8-S6
S 10	S 6	PN 630	4	39	32	14	22	5.9	0148612074	24-SWS-S10-S6
S 10	S 8	PN 630	5	41	34	17	22	6.7	0148602074	24-SWS-S10-S8
S 12	L 12	PN 315	7	38	31	19	24	6.9	0198922074	24-SWS-S12-L12
S 12	S 6	PN 630	4	39	32	14	24	6.6	0148672074	24-SWS-S12-S6
S 12	S 8	PN 630	5	41	34	17	24	7.4	0148662074	24-SWS-S12-S8
S 12	S 10	PN 630	7	41	33.5	19	24	7.8	0148652074	24-SWS-S12-S10
S 14	S 6	PN 630	4	42	35	17	27	9.6	0148732074	24-SWS-S14-S6
S 14	S 8	PN 630	5	44	37	17	27	10.0	0148722074	24-SWS-S14-S8
S 14	S 10	PN 630	7	44	36.5	19	27	10.6	0148712074	24-SWS-S14-S10
S 14	S 12	PN 630	8	46	38.5	22	27	12.0	0148702074	24-SWS-S14-S12
S 16	L 12	PN 315	10	43	36	19	30	11.6	1148022074	24-SWS-S16-L12
S 16	L 15	PN 315	12	46	39	24	30	13.4	0197872074	24-SWS-S16-L15
S 16	S 6	PN 400	4	42	35	17	30	11.1	0148792074	24-SWS-S16-S6
S 16	S 8	PN 400	5	44	37	17	30	11.6	0148782074	24-SWS-S16-S8
S 16	S 10	PN 400	7	44	36.5	19	30	11.9	0148772074	24-SWS-S16-S10
S 16	S 12	PN 400	8	46	38.5	22	30	13.3	0148762074	24-SWS-S16-S12
S 16	S 14	PN 400	10	48	40	24	30	14.7	0148752074	24-SWS-S16-S14
S 20	L 15	PN 315	12	51	44	24	36	18.6	0198902074	24-SWS-S20-L15
S 20	L 18	PN 315	14	51	43.5	27	36	20.6	0198912074	24-SWS-S20-L18
S 20	S 6	PN 400	4	47	40	22	36	7.4	0199012074	24-SWS-S20-S6
S 20	S 8	PN 400	5	48	41	22	36	17.2	0148842074	24-SWS-S20-S8
S 20	S 10	PN 400	7	48	40.5	22	36	16.8	0148832074	24-SWS-S20-S10
S 20	S 12	PN 400	8	50	42.5	22	36	17.9	0148822074	24-SWS-S20-S12
S 20	S 14	PN 400	10	52	44	24	36	19.1	0148812074	24-SWS-S20-S14
S 20	S 16	PN 400	12	52	43.5	27	36	20.3	0148802074	24-SWS-S20-S16
S 25	L 22	PN 160	18	55	47.5	32	46	36.0	0198372074	24-SWS-S25-L22
S 25	L 18	PN 315	15	51	43.5	27	46	31.7	0198622074	24-SWS-S25-L18
S 25	S 6	PN 400	4	51	44	27	46	31.2	0198992074	24-SWS-S25-S6
S 25	S 8	PN 400	5	51	44	27	46	31.5	0199002074	24-SWS-S25-S8
S 25	S 10	PN 400	7	51	43.5	27	46	31.9	0148892074	24-SWS-S25-S10
S 25	S 12	PN 400	8	53	45.5	27	46	32.6	0148882074	24-SWS-S25-S12
S 25	S 14	PN 400	10	55	47	27	46	33.1	0148872074	24-SWS-S25-S14

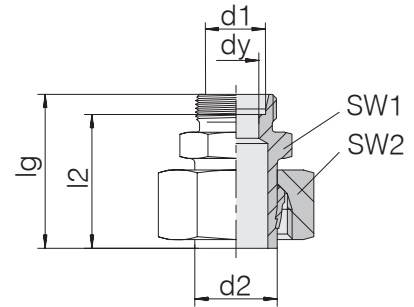
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Tube end reducers

with hexagon for locking

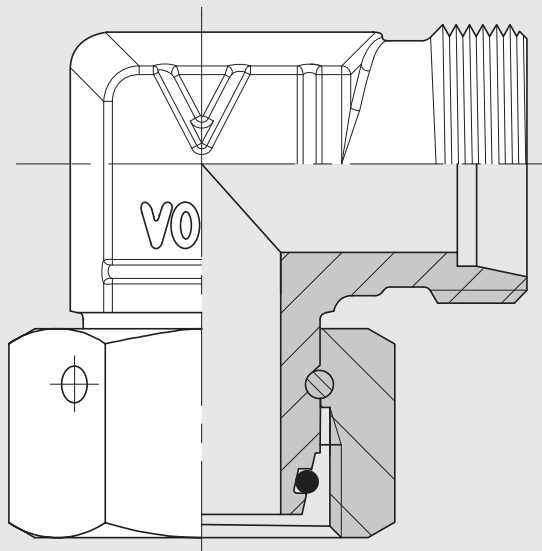
Tube socket pre-assembled

Tube coupling: 24° in acc. with ISO 8434-1



Tube socket d2	Series Tube OD d1	Pressure	dy	lg	l2	SW1	SW2	kg/100 ca.	Order-No.	Designation
S 25	S 16	PN 400	12	55	46.5	27	46	33.2	0148862074	24-SWS-S25-S16
S 25	S 20	PN 400	16	59	48.5	32	46	37.0	0148852074	24-SWS-S25-S20
S 30	S 8	PN 400	5	59	52	32	50	40.9	0198972074	24-SWS-S30-S8
S 30	S 12	PN 400	8	56	48.5	32	50	37.5	0148942074	24-SWS-S30-S12
S 30	S 14	PN 400	10	58	50	32	50	18.1	0148932074	24-SWS-S30-S14
S 30	S 16	PN 400	12	58	49.5	32	50	37.9	0148922074	24-SWS-S30-S16
S 30	S 20	PN 400	16	62	51.5	32	50	39.9	0148912074	24-SWS-S30-S20
S 30	S 25	PN 400	20	66	54	41	50	49.4	0148902074	24-SWS-S30-S25
S 38	S 10	PN 315	7	62	54.5	41	60	28.2	0199872074	24-SWS-S38-S10
S 38	S 12	PN 315	8	62	54.5	41	60	60.9	0199882074	24-SWS-S38-S12
S 38	S 16	PN 315	12	64	55.5	41	60	58.9	0148982074	24-SWS-S38-S16
S 38	S 20	PN 315	16	68	57.5	41	60	60.5	0148972074	24-SWS-S38-S20
S 38	S 25	PN 315	20	72	60	41	60	64.5	0148962074	24-SWS-S38-S25
S 38	S 30	PN 315	25	74	60.5	46	60	71.4	0148952074	24-SWS-S38-S30

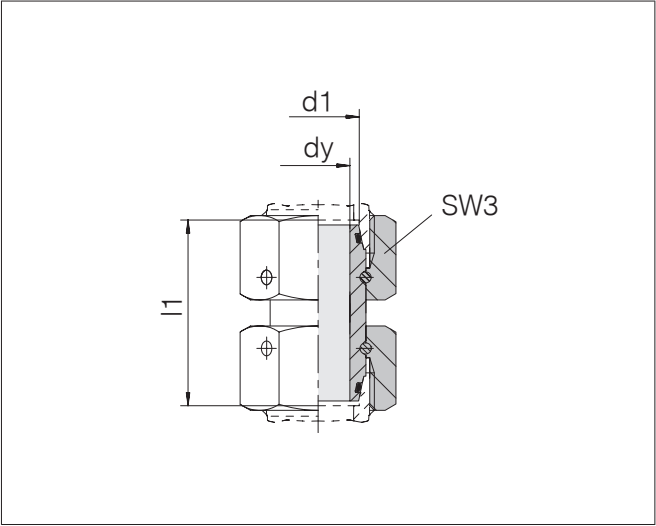
24° taper couplings (DKO)



Swivel unions

With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard O-ring material is FKM



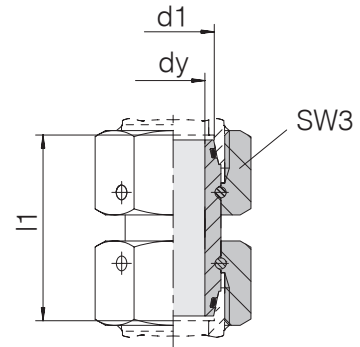
Series Tube OD d1		Pressure	dy	l1	SW3	kg/100 ca.	Order-No.	Designation
L	6	PN 500	2.5	33.5	14	2.9	1178342058	24-SW2OS-L6-CP1
L	6	PN 500	2.5	36	14	3.0	1178352058	24-SW2OS-L6-CP2
L	6	PN 500	2.5	39	14	3.1	1178002058	24-SW2OS-L6 ¹⁾
L	8	PN 500	4.5	33.5	17	4.4	1178852058	24-SW2OS-L8-CP1
L	8	PN 500	4.5	36	17	4.6	1178372058	24-SW2OS-L8-CP2
L	8	PN 500	4.5	39.5	17	4.6	1178012058	24-SW2OS-L8 ¹⁾
L	10	PN 500	6	34	19	5.5	1178472058	24-SW2OS-L10-CP1
L	10	PN 500	6	37	19	5.9	1178382058	24-SW2OS-L10-CP2
L	10	PN 500	6	39.5	19	6.0	1178022058	24-SW2OS-L10 ¹⁾
L	12	PN 400	8	34	22	7.4	1178752058	24-SW2OS-L12-CP1
L	12	PN 400	8	37	22	7.7	1178392058	24-SW2OS-L12-CP2
L	12	PN 400	8	39.5	22	7.9	1178032058	24-SW2OS-L12 ¹⁾
L	15	PN 400	10	40	27	14.3	1178442058	24-SW2OS-L15-CP12
L	15	PN 400	10	42.5	27	14.8	1178042058	24-SW2OS-L15 ¹⁾
L	18	PN 400	13	39	32	17.6	1178452058	24-SW2OS-L18-CP1
L	18	PN 400	13	42.5	32	18.3	1178802058	24-SW2OS-L18-CP2
L	18	PN 400	13	45	32	18.8	1178052058	24-SW2OS-L18 ¹⁾
L	22	PN 250	17	44	36	24.4	1178652058	24-SW2OS-L22-CP1
L	22	PN 250	17	46.5	36	25.1	1178812058	24-SW2OS-L22-CP2
L	22	PN 250	17	49.5	36	25.6	1178062058	24-SW2OS-L22 ¹⁾
L	28	PN 250	22	48	41	31.2	1178482058	24-SW2OS-L28-CP12
L	28	PN 250	22	51.5	41	31.7	1178072058	24-SW2OS-L28 ¹⁾
L	35	PN 250	28	52	50	45.1	1178822058	24-SW2OS-L35-CP1
L	35	PN 250	28	57.5	50	48.3	1178832058	24-SW2OS-L35-CP2
L	35	PN 250	28	61	50	49.8	1178082058	24-SW2OS-L35 ¹⁾
L	42	PN 250	34	57.5	60	74.6	1178842058	24-SW2OS-L42-CP12
L	42	PN 250	34	62.5	60	78.1	1178092058	24-SW2OS-L42 ¹⁾



Swivel unions

With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard O-ring material is FKM



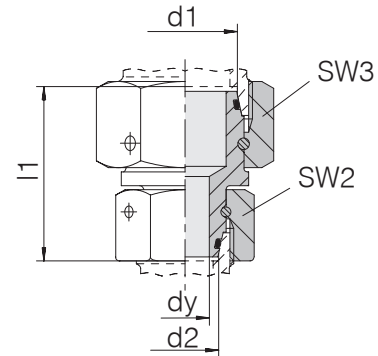
Series	Tube OD	Pressure	dy	l1	SW3	kg/100 ca.	Order-No.	Designation
S	6	PN 800	2.5	33	17	4.2	1178862058	24-SW2OS-S6-CP1
S	6	PN 800	2.5	39	17	4.6	1178872058	24-SW2OS-S6-CP2
S	6	PN 800	2.5	40.5	17	4.7	1178102058	24-SW2OS-S6 1)
S	8	PN 800	4	34	19	5.6	1178882058	24-SW2OS-S8-CP1
S	8	PN 800	4	39	19	6.0	1178892058	24-SW2OS-S8-CP2
S	8	PN 800	4	40.5	19	6.1	1178112058	24-SW2OS-S8 1)
S	10	PN 800	6	35	22	7.7	1178902058	24-SW2OS-S10-CP1
S	10	PN 800	6	43.5	22	8.5	1178122058	24-SW2OS-S10-CP2 1)
S	12	PN 630	8	38	24	9.7	1178912058	24-SW2OS-S12-CP1
S	12	PN 630	8	44	24	10.4	1178132058	24-SW2OS-S12-CP2 1)
S	14	PN 630	9	41	27	14.4	1178922058	24-SW2OS-S14-CP1
S	14	PN 630	9	48.5	27	15.6	1178142058	24-SW2OS-S14-CP2 1)
S	16	PN 630	11	42	30	17.5	1178932058	24-SW2OS-S16-CP1
S	16	PN 630	11	49	30	18.6	1178152058	24-SW2OS-S16-CP2 1)
S	20	PN 420	14	48	36	26.1	1178942058	24-SW2OS-S20-CP1
S	20	PN 420	14	60.5	36	29.6	1178162058	24-SW2OS-S20-CP2 1)
S	25	PN 420	16	73	46	63.1	1178712058	24-SW2OS-S25-LG73
S	25	PN 420	16	107	46	80.4	1178722058	24-SW2OS-S25-LG107
S	25	PN 420	18	54.5	46	51.7	1178952058	24-SW2OS-S25-CP1
S	25	PN 420	18	65.5	46	56.4	1178962058	24-SW2OS-S25-CP2
S	25	PN 420	18	67.5	46	56.9	1178172058	24-SW2OS-S25 1)
S	30	PN 420	23	62	50	63.1	1178702058	24-SW2OS-S30-CP1
S	30	PN 420	23	72.5	50	68.6	1178182058	24-SW2OS-S30-CP2 1)
S	38	PN 420	30	67	60	86.7	1178692058	24-SW2OS-S38-CP1
S	38	PN 420	30	83	60	99.6	1178192058	24-SW2OS-S38-CP2 1)

1) Standard size

Swivel reducers

With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard O-ring material is FKM



Series Tube OD d1	Series Tube OD d2	Pressure	dy	l1	SW2	SW3	kg/100 ca.	Order-No.	Designation
L 6	S 6	PN 500	2.5	34	17	14	3.7	1180262058	24-SW2OS-L6-S6-CP1
L 6	S 6	PN 500	2.5	37.5	17	14	3.9	1178232058	24-SW2OS-L6-S6-CP2
L 8	L 6	PN 500	2.5	34	14	17	3.8	1180002058	24-SW2OS-L8-L6-CP1
L 8	S 8	PN 500	4	34.5	19	17	5.3	1180272058	24-SW2OS-L8-S8-CP1
L 10	L 6	PN 500	2.5	34.5	14	19	4.4	1178662058	24-SW2OS-L10-L6-CP1
L 10	L 8	PN 500	4.5	34.5	17	19	5.2	1180012058	24-SW2OS-L10-L8-CP1
L 10	S 10	PN 500	6	35	22	19	6.8	1180282058	24-SW2OS-L10-S10-CP1
L 10	S 10	PN 500	6	40	22	19	7.2	1178242058	24-SW2OS-L10-S10-CP2
L 12	L 6	PN 400	2.5	34.5	14	22	5.4	1180022058	24-SW2OS-L12-L6-CP1
L 12	L 8	PN 400	4.5	34.5	17	22	6.2	1180032058	24-SW2OS-L12-L8-CP1
L 12	L 10	PN 400	6	34.5	19	22	6.8	1180042058	24-SW2OS-L12-L10-CP1
L 12	L 10	PN 400	6	37.5	19	22	7.1	1178682058	24-SW2OS-L12-L10-CP2
L 12	S 12	PN 400	8	37.5	24	22	8.9	1180292058	24-SW2OS-L12-S12-CP1
L 12	S 12	PN 400	8	40.5	24	22	9.3	1178252058	24-SW2OS-L12-S12-CP2
L 15	L 8	PN 400	4.5	38	17	27	9.6	1178612058	24-SW2OS-L15-L8-CP12
L 15	L 10	PN 400	6	38	19	27	10.5	1178222058	24-SW2OS-L15-L10-CP12
L 15	L 12	PN 400	8	39	22	27	11.4	1178432058	24-SW2OS-L15-L12-CP1
L 18	L 10	PN 400	6	37.5	19	32	12.2	1180062058	24-SW2OS-L18-L10-CP1
L 18	L 12	PN 400	8	37.5	22	32	13.1	1180072058	24-SW2OS-L18-L12-CP1
L 18	L 15	PN 400	10	40.5	27	32	16.5	1180082058	24-SW2OS-L18-L15-CP1
L 18	L 15	PN 400	10	45	27	32	17.3	1178202058	24-SW2OS-L18-L15
L 18	S 16	PN 400	11	41.5	30	32	18.2	1180302058	24-SW2OS-L18-S16-CP1
L 22	L 12	PN 250	8	43.5	22	36	18.1	1180092058	24-SW2OS-L22-L12-CP1
L 22	L 15	PN 250	10	43.5	27	36	20.2	1180102058	24-SW2OS-L22-L15-CP12
L 22	L 18	PN 250	13	44	32	36	22.1	1178212058	24-SW2OS-L22-L18-CP1
L 22	S 20	PN 250	14	47	36	36	25.9	1180312058	24-SW2OS-L22-S20-CP1
L 22	S 20	PN 250	14	53.5	36	36	27.5	1178262058	24-SW2OS-L22-S20-CP2
L 28	L 15	PN 250	10	46	27	41	24.8	1180112058	24-SW2OS-L28-L15
L 28	L 18	PN 250	13	46	32	41	26.0	1178622058	24-SW2OS-L28-L18-CP2
L 28	L 22	PN 250	17	46	36	41	28.2	1178302058	24-SW2OS-L28-L22-CP1
L 28	S 25	PN 250	18	50.5	46	41	40.8	1180322058	24-SW2OS-L28-S25-CP1

Example for comp. :
GZR08/06LVIT

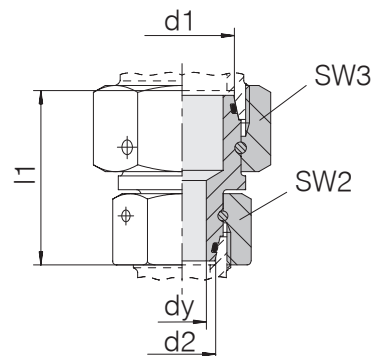
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Swivel reducers

With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard O-ring material is FKM



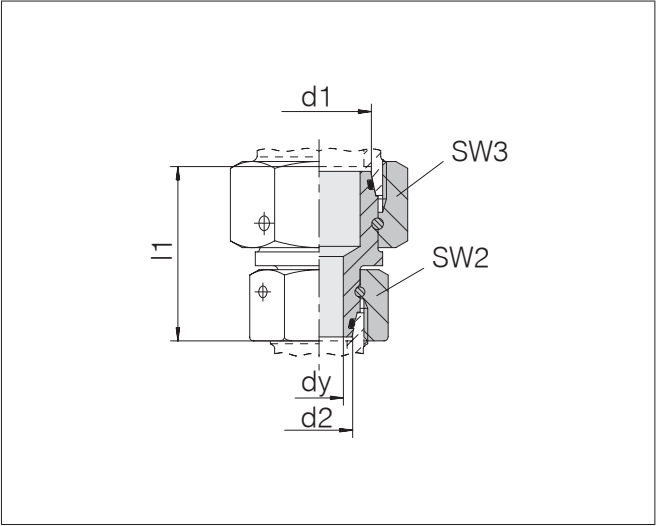
Series Tube OD d1	Series Tube OD d2	Pressure	dy	l1	SW2	SW3	kg/100 ca.	Order-No.	Designation
L 35	L 18	PN 250	13	51	32	50	37.5	1180122058	24-SW2OS-L35-L18-CP12
L 35	L 22	PN 250	17	51	36	50	38.4	1180132058	24-SW2OS-L35-L22-CP1
L 35	L 28	PN 250	18	51	41	50	40.3	1180142058	24-SW2OS-L35-L28-CP1
L 35	L 28	PN 250	18	52.5	41	50	41.0	1178672058	24-SW2OS-L35-L28-CP2
L 35	S 30	PN 250	23	59	50	50	55.8	1180332058	24-SW2OS-L35-S30-CP1
L 42	L 22	PN 250	17	54	36	60	55.7	1180152058	24-SW2OS-L42-L22
L 42	L 28	PN 250	18	54	41	60	57.5	1178632058	24-SW2OS-L42-L28-CP2
L 42	L 35	PN 250	28	56.5	50	60	62.5	1178642058	24-SW2OS-L42-L35-CP1
L 42	S 38	PN 250	30	62	60	60	78.3	1180342058	24-SW2OS-L42-S38-CP1
L 42	S 38	PN 250	30	66	60	60	84.1	1178282058	24-SW2OS-L42-S38-CP2
S 8	S 6	PN 800	2.5	34	17	19	5.2	1180162058	24-SW2OS-S8-S6-CP1
S 10	S 6	PN 800	2.5	34.5	17	22	6.2	1180172058	24-SW2OS-S10-S6-CP1
S 10	S 8	PN 800	4	34.5	19	22	6.8	1180182058	24-SW2OS-S10-S8-CP1
S 10	S 8	PN 800	4	41	19	22	7.7	1178492058	24-SW2OS-S10-S8-CP2
S 12	S 6	PN 630	2.5	37.5	17	24	7.6	1180192058	24-SW2OS-S12-S6-CP1
S 12	S 8	PN 630	4	37.5	19	24	8.0	1178742058	24-SW2OS-S12-S8-CP1
S 12	S 10	PN 630	6	38	22	24	9.0	1178502058	24-SW2OS-S12-S10-CP1
S 16	L 15	PN 400	10	41	27	30	16.1	1180352058	24-SW2OS-S16-L15-CP1
S 16	L 15	PN 400	10	45	27	30	16.8	1178292058	24-SW2OS-S16-L15-CP2
S 16	S 10	PN 630	6	41.5	22	30	13.5	1178522058	24-SW2OS-S16-S10-CP1
S 16	S 12	PN 630	8	41.5	24	30	14.1	1178532058	24-SW2OS-S16-S12-CP1
S 20	L 18	PN 400	13	47	32	36	23.9	1180362058	24-SW2OS-S20-L18-CP1
S 20	S 12	PN 420	8	47	24	36	19.8	1180202058	24-SW2OS-S20-S12-CP1
S 20	S 12	PN 420	8	52	24	36	21.4	1178542058	24-SW2OS-S20-S12-CP2
S 20	S 16	PN 420	11	47.5	30	36	23.0	1178552058	24-SW2OS-S20-S16-CP1
S 25	L 22	PN 250	17	50.5	36	46	38.9	1180372058	24-SW2OS-S25-L22-CP1
S 25	L 18	PN 400	13	47.5	32	46	35.4	1178762058	24-SW2OS-S25-L18-CP1
S 25	S 16	PN 420	11	51	30	46	36.2	1178562058	24-SW2OS-S25-S16-CP1
S 25	S 20	PN 420	14	53	36	46	40.2	1178572058	24-SW2OS-S25-S20

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Swivel reducers

With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard O-ring material is FKM



Series Tube OD d1		Series Tube OD d2		Pressure	dy	l1	SW2	SW3	kg/100 ca.	Order-No.	Designation
S	30	L	28	PN 250	22	58	41	50	51.9	1178272058	24-SW2OS-S30-L28-CP1
S	30	S	16	PN 420	11	58.5	30	50	44.9	1180212058	24-SW2OS-S30-S16-CP1
S	30	S	20	PN 420	14	59	36	50	47.9	1180222058	24-SW2OS-S30-S20-CP1
S	30	S	25	PN 420	18	60.5	46	50	58.9	1180232058	24-SW2OS-S30-S25-CP1
S	30	S	25	PN 420	18	69.5	46	50	65.2	1178582058	24-SW2OS-S30-S25
S	38	L	35	PN 250	28	61.5	50	60	70.3	1178732058	24-SW2OS-S38-L35-CP1
S	38	S	20	PN 420	14	61.5	36	60	62.5	1180242058	24-SW2OS-S38-S20-CP1
S	38	S	25	PN 420	18	63	46	60	72.7	1178592058	24-SW2OS-S38-S25-CP1
S	38	S	30	PN 420	23	66.5	50	60	77.2	1180252058	24-SW2OS-S38-S30
S	38	S	30	PN 420	23	78	50	60	89.1	1178602058	24-SW2OS-S38-S30-CP2

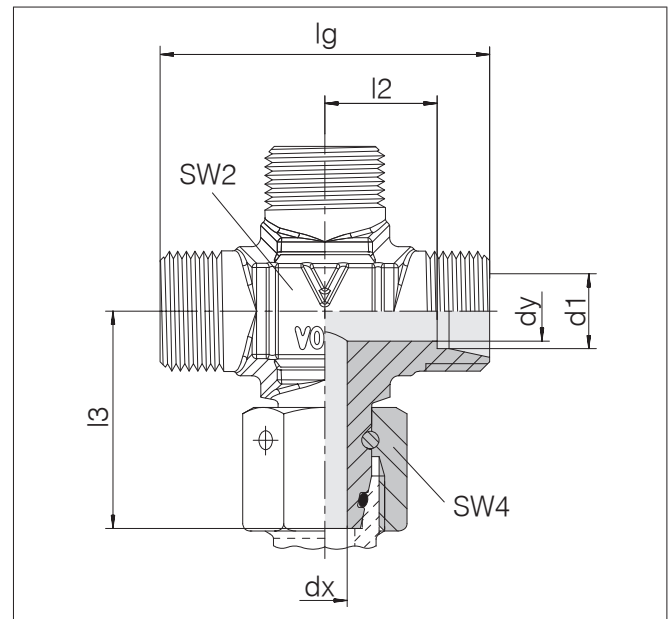


Union crosses

With taper and O-ring

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



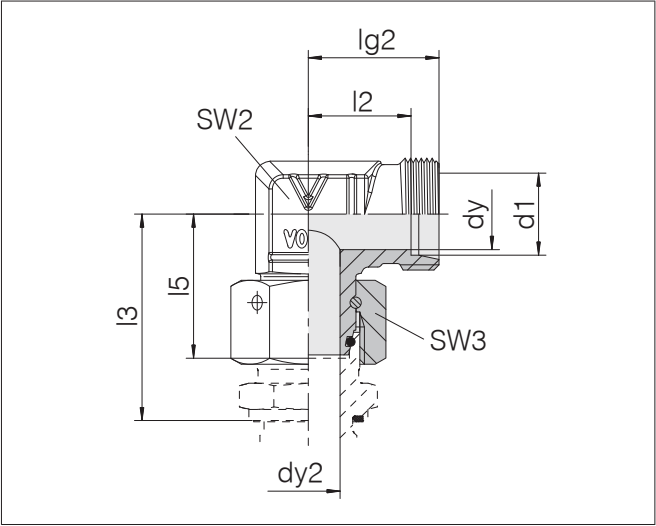
Series	Tube OD	Pressure	dx	dy	lg	l2	l3	SW2	SW4	Order-No.	Designation
L	6	PN 315	2.5	4	38	12	24	12	14	1190412058	24-SWOK-L6
L	8	PN 315	4	6	42	14	27.5	17	17	1196702058	24-SWOK-L8
L	10	PN 315	6	8	44	15	29	17	19	1196962058	24-SWOK-L10
L	12	PN 315	8	10	48	17	29.5	17	22	1196952058	24-SWOK-L12
L	15	PN 315	10	12	56	21	32.5	24	27	1196262058	24-SWOK-L15
L	18	PN 315	13	15	68	26.5	38.5	27	32	1196792058	24-SWOK-L18
L	35	PN 250	28	30	90	34.5	51	41	50	1190662058	24-SWOK-L35
L	42	PN 250	34	36	102	40	56	50	60	1194942058	24-SWOK-L42

Swivel elbows

With taper and O-ring

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series		Pressure	dy	dy2	lg2	l2	l3	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
Tube OD													
d1													
L	6	PN 500	4	2.5	19	12	34.5	26	12	14	4.1	1158032058	24-SWOE-L6-P
L	8	PN 500	6	4	21	14	37.5	27.5	14	17	6.2	1158082058	24-SWOE-L8-P
L	10	PN 500	8	6	22	15	40	29	14	19	5.3	1158132058	24-SWOE-L10
L	12	PN 400	10	8	24	17	42	29.5	17	22	10.1	1158182058	24-SWOE-L12
L	15	PN 400	12	10	28	21	46	32.5	19	27	12.9	1158232058	24-SWOE-L15
L	18	PN 400	15	13	31	23.5	50	35.5	24	32	18.6	1158282058	24-SWOE-L18
L	22	PN 250	19	17	35	27.5	55	38.5	27	36	25.3	1158332058	24-SWOE-L22
L	28	PN 250	24	22	38	30.5	59	41.5	36	41	34.2	1158382058	24-SWOE-L28
L	35	PN 250	30	28	45	34.5	68.5	51	41	50	57.4	1158432058	24-SWOE-L35
L	42	PN 250	36	34	51	40	75	56	50	60	103.0	1158482058	24-SWOE-L42
S	6	PN 800	4	2.5	23	16	40	27	14	17	6.2	1158532058	24-SWOE-S6-P
S	8	PN 800	5	4	24	17	42.5	27.5	17	19	8.5	1158582058	24-SWOE-S8-P
S	10	PN 800	7	6	25	17.5	45	30	19	22	12.2	1158632058	24-SWOE-S10-P
S	12	PN 630	8	8	29	21.5	48	31	17	24	10.8	1158682058	24-SWOE-S12
S	14	PN 630	10	9	30	22	54	35	19	27	14.9	1158732058	24-SWOE-S14
S	16	PN 630	12	11	33	24.5	55	36.5	24	30	20.1	1158782058	24-SWOE-S16
S	20	PN 420	16	14	37	26.5	65	44.5	27	36	30.5	1158832058	24-SWOE-S20
S	25	PN 420	20	18	42	30	73	50	36	46	55.4	1158882058	24-SWOE-S25
S	30	PN 420	25	23	49	35.5	78.5	55	41	50	77.9	1158932058	24-SWOE-S30
S	38	PN 420	32	30	57	41	89	63	50	60	118.6	1158982058	24-SWOE-S38

Example for comp. :
EW06LVITOMD
ISO 8434-1-SWOE-L6-St

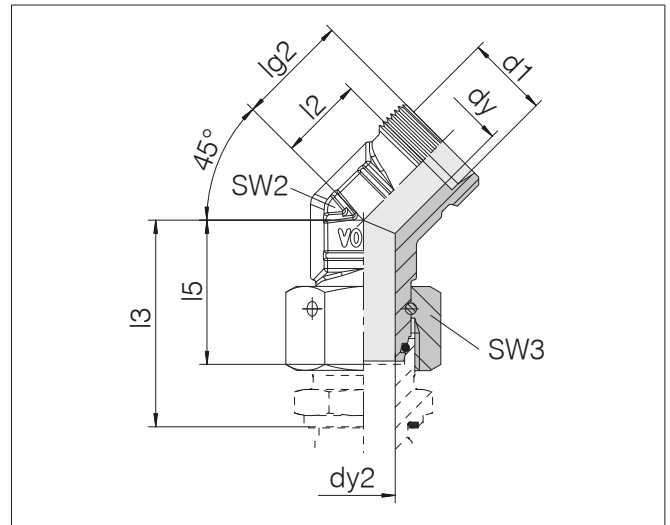


Swivel 45° elbows

With taper and O-ring

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d1	Pressure	dy	dy2	lg2	l2	l3	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
L	6		PN 315	4	2.5	21	14	34.5	26	19	14	6.9	1170032058	24-SWOE45-L6
L	8		PN 315	6	4	22	15	37.5	27.5	19	17	7.0	1170082058	24-SWOE45-L8
L	10		PN 315	8	6	23	16	40	29	19	19	7.8	1170132058	24-SWOE45-L10
L	12		PN 315	10	8	24	17	42	29.5	19	22	8.6	1170182058	24-SWOE45-L12
L	15		PN 315	12	10	24	17	46	32.5	19	27	12.6	1170232058	24-SWOE45-L15
L	18		PN 315	15	13	26.5	19	50	35.5	24	32	17.8	1170282058	24-SWOE45-L18
L	22		PN 160	19	17	30	22.5	55	38.5	27	36	23.6	1170332058	24-SWOE45-L22
L	28		PN 160	24	22	32	24.5	59	41.5	36	41	33.6	1170382058	24-SWOE45-L28
L	35		PN 160	30	28	37.5	27	68.5	51	41	50	54.6	1170432058	24-SWOE45-L35
L	42		PN 160	36	34	37	27	75	56	50	60	83.6	1170482058	24-SWOE45-L42
S	6		PN 630	4	2.5	23	16	40	27	19	17	7.3	1170532058	24-SWOE45-S6
S	8		PN 630	5	4	23	16	42.5	27.5	19	19	8.2	1170582058	24-SWOE45-S8
S	10		PN 630	7	6	24	16.5	45	30	19	22	9.5	1170632058	24-SWOE45-S10
S	12		PN 630	8	8	24.5	17	48	31	19	24	11.2	1170682058	24-SWOE45-S12
S	14		PN 630	10	9	25	17	54	35	19	27	13.6	1170732058	24-SWOE45-S14
S	16		PN 400	12	11	27.5	19	55	36.5	24	30	18.8	1170782058	24-SWOE45-S16
S	20		PN 400	16	14	32	21.5	65	44.5	27	36	28.6	1170832058	24-SWOE45-S20
S	25		PN 400	20	18	35	23	73	50	36	46	52.3	1170882058	24-SWOE45-S25
S	30		PN 400	25	23	37.5	24	78.5	55	41	50	69.7	1170932058	24-SWOE45-S30
S	38		PN 315	32	30	44	28	89	63	50	60	106.8	1170982058	24-SWOE45-S38

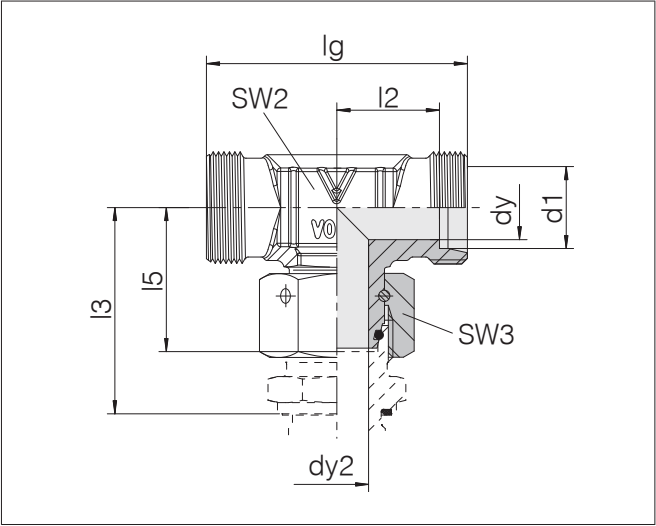
Example for comp. :
EV06LVITOMD
ISO 8434-1-SWOE45-L6-St

Swivel branch tees

With taper and O-ring

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series		Pressure	dy	dy2	lg	l2	l3	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
Tube OD													
d1													
L	6	PN 500	4	2.5	38	12	34.5	26	12	14	4.9	1160032058	24-SWOT-L6-P
L	8	PN 500	6	4	42	14	37.5	27.5	14	17	6.9	1160082058	24-SWOT-L8-P
L	10	PN 500	8	6	44	15	40	29	14	19	9.2	1160132058	24-SWOT-L10
L	12	PN 400	10	8	48	17	42	29.5	19	22	12.0	1160182058	24-SWOT-L12-P
L	15	PN 400	12	10	56	21	46	32.5	19	27	15.4	1160232058	24-SWOT-L15
L	18	PN 400	15	13	62	23.5	50	35.5	24	32	21.5	1160282058	24-SWOT-L18
L	22	PN 250	19	17	70	27.5	55	38.5	27	36	27.7	1160332058	24-SWOT-L22
L	28	PN 250	24	22	76	30.5	59	41.5	36	41	39.7	1160382058	24-SWOT-L28
L	35	PN 250	30	28	90	34.5	68.5	51	41	50	68.0	1160432058	24-SWOT-L35
L	42	PN 250	36	34	102	40	75	56	50	60	113.8	1160482058	24-SWOT-L42
S	6	PN 800	4	2.5	46	16	40	27	14	17	7.7	1160532058	24-SWOT-S6-P
S	8	PN 800	5	4	48	17	42.5	27.5	17	19	10.5	1160582058	24-SWOT-S8-P
S	10	PN 800	7	6	50	17.5	45	30	19	22	14.0	1160632058	24-SWOT-S10-P
S	12	PN 630	8	8	58	21.5	48	31	17	24	13.5	1160682058	24-SWOT-S12
S	14	PN 630	10	9	60	22	54	35	19	27	18.1	1160732058	24-SWOT-S14
S	16	PN 630	12	11	66	24.5	55	36.5	24	30	24.6	1160782058	24-SWOT-S16
S	20	PN 420	16	14	74	26.5	65	44.5	27	36	35.6	1160832058	24-SWOT-S20
S	25	PN 420	20	18	84	30	73	50	36	46	63.7	1160882058	24-SWOT-S25
S	30	PN 420	25	23	98	35.5	78.5	55	41	50	91.6	1160932058	24-SWOT-S30
S	38	PN 420	32	30	114	41	89	63	50	60	147.8	1160982058	24-SWOT-S38

Example for comp. :
ET06LVITOMD
ISO 8434-1-SWOBT-L6-St

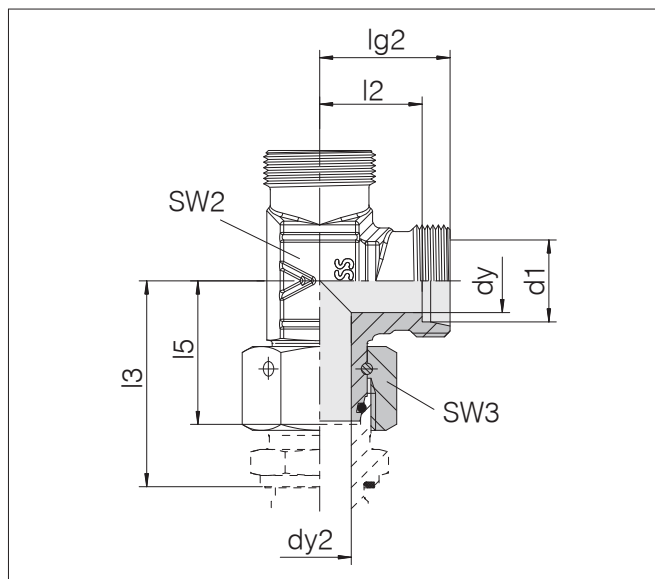


Swivel run tees

With taper and O-ring

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	Pressure	dy	dy2	lg2	l2	l3	l5	SW2	SW3	kg/100 ca.	Order-No.	Designation
L	6	PN 500	4	2.5	19	12	34.5	26	12	14	4.8	1162032058	24-SWOL-L6-P
L	8	PN 500	6	4	21	14	37.5	27.5	14	17	7.0	1162082058	24-SWOL-L8-P
L	10	PN 500	8	6	22	15	40	29	14	19	9.6	1162132058	24-SWOL-L10
L	12	PN 400	10	8	24	17	42	29.5	19	22	12.0	1162182058	24-SWOL-L12-P
L	15	PN 400	12	10	28	21	46	32.5	19	27	15.4	1162232058	24-SWOL-L15
L	18	PN 400	15	13	31	23.5	50	35.5	24	32	21.3	1162282058	24-SWOL-L18
L	22	PN 250	19	17	35	27.5	55	38.5	27	36	28.1	1162332058	24-SWOL-L22
L	28	PN 250	24	22	38	30.5	59	41.5	36	41	39.2	1162382058	24-SWOL-L28
L	35	PN 250	30	28	45	34.5	68.5	51	41	50	67.7	1162432058	24-SWOL-L35
L	42	PN 250	36	34	51	40	75	56	50	60	112.4	1162482058	24-SWOL-L42
S	6	PN 800	4	2.5	23	16	40	27	12	17	7.8	1162532058	24-SWOL-S6
S	8	PN 800	5	4	24	17	42.5	27.5	17	19	10.2	1162582058	24-SWOL-S8-P
S	10	PN 800	7	6	25	17.5	45	30	19	22	14.0	1162632058	24-SWOL-S10-P
S	12	PN 630	8	8	29	21.5	48	31	17	24	13.3	1162682058	24-SWOL-S12
S	14	PN 630	10	9	30	22	54	35	19	27	18.0	1162732058	24-SWOL-S14
S	16	PN 630	12	11	33	24.5	55	36.5	24	30	22.6	1162782058	24-SWOL-S16
S	20	PN 420	16	14	37	26.5	65	44.5	27	36	35.3	1162832058	24-SWOL-S20
S	25	PN 420	20	18	42	30	73	50	36	46	62.8	1162882058	24-SWOL-S25
S	30	PN 420	25	23	49	35.5	78.5	55	41	50	91.7	1162932058	24-SWOL-S30
S	38	PN 420	32	30	57	41	89	63	50	60	149.3	1162982058	24-SWOL-S38

Example for comp. :
EL06LVITOMD
ISO 8434-1-SWORT-L6-St

Swivel connectors

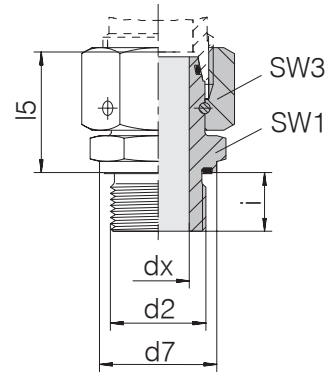
With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 9974-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Standard O-ring material (DKO) is FKM



Series	Tube OD	d2	Pressure	d7	dx	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	6	M 8 x 1	PN 500	11.9	2.5	24.5	12	14	8	12	2.2	1198052000	24-SWOSDS-L6-M8E
L	6	M 10 x 1	PN 500	13.9	2.5	24.5	14	14	8	15	2.6	1164032000	24-SWOSDS-L6-M10E ¹⁾
L	8	M 12 x 1.5	PN 500	16.9	4.5	26.5	17	17	12	25	4.4	1164082000	24-SWOSDS-L8-M12E ¹⁾
L	10	M 12 x 1.5	PN 500	16.9	6	26.5	17	19	12	25	4.8	1196012000	24-SWOSDS-L10-M12E
L	10	M 14 x 1.5	PN 500	18.9	6	27.5	19	19	12	50	5.7	1164132000	24-SWOSDS-L10-M14E ¹⁾
L	10	M 16 x 1.5	PN 400	21.9	6	30.5	22	19	12	70	4.0	1197002000	24-SWOSDS-L10-M16E
L	12	M 16 x 1.5	PN 400	21.9	8	30.5	22	22	12	70	8.3	1164182000	24-SWOSDS-L12-M16E ¹⁾
L	12	M 18 x 1.5	PN 400	23.9	8	30.5	24	22	12	90	10.3	1198202000	24-SWOSDS-L12-M18E
L	12	M 22 x 1.5	PN 400	26.9	8	30.5	27	22	14	130	11.1	1198712000	24-SWOSDS-L12-M22E
L	15	M 18 x 1.5	PN 400	23.9	10	31.5	24	27	12	90	11.9	1164232000	24-SWOSDS-L15-M18E ¹⁾
L	15	M 22 x 1.5	PN 400	26.9	10	32.5	27	27	14	130	13.2	1198702000	24-SWOSDS-L15-M22E
L	18	M 22 x 1.5	PN 400	26.9	13	31.5	27	32	14	130	15.3	1164282000	24-SWOSDS-L18-M22E ¹⁾
L	18	M 26 x 1.5	PN 250	31.9	13	31.5	32	32	16	180	19.5	1197502000	24-SWOSDS-L18-M26E
L	22	M 26 x 1.5	PN 250	31.9	17	32.5	32	36	16	180	20.2	1164332000	24-SWOSDS-L22-M26E ¹⁾
L	28	M 33 x 2	PN 250	39.9	22	35	41	41	18	230	28.6	1164382000	24-SWOSDS-L28-M33E ¹⁾
L	35	M 42 x 2	PN 250	49.9	28	42.5	50	50	20	330	50.0	1164432000	24-SWOSDS-L35-M42E ¹⁾
L	42	M 48 x 2	PN 250	54.9	34	46.5	55	60	22	500	71.6	1164482000	24-SWOSDS-L42-M48E ¹⁾
S	6	M 12 x 1.5	PN 800	16.9	2.5	27	17	17	12	50	4.7	1164532000	24-SWOSDS-S6-M12E ¹⁾
S	6	M 16 x 1.5	PN 800	21.9	2.5	32	22	17	12	80	8.1	1196282000	24-SWOSDS-S6-M16E
S	8	M 14 x 1.5	PN 800	18.9	4	29.5	19	19	12	60	6.4	1164582000	24-SWOSDS-S8-M14E ¹⁾
S	8	M 16 x 1.5	PN 800	21.9	4	32	22	19	12	60	8.6	1196292000	24-SWOSDS-S8-M16E
S	10	M 16 x 1.5	PN 800	21.9	6	32	22	22	12	80	9.0	1164632000	24-SWOSDS-S10-M16E ¹⁾
S	12	M 16 x 1.5	PN 800	21.9	6	33	22	24	12	90	10.1	1196222000	24-SWOSDS-S12-M16E
S	12	M 18 x 1.5	PN 630	23.9	8	34	24	24	12	90	11.1	1164682000	24-SWOSDS-S12-M18E ¹⁾
S	14	M 20 x 1.5	PN 630	25.9	9	36.5	27	27	14	130	15.7	1164732000	24-SWOSDS-S14-M20E ¹⁾
S	16	M 22 x 1.5	PN 630	26.9	11	37	27	30	14	130	17.6	1164782000	24-SWOSDS-S16-M22E ¹⁾
S	20	M 27 x 2	PN 420	31.9	14	43	32	36	16	200	27.6	1164832000	24-SWOSDS-S20-M27E ¹⁾
S	25	M 33 x 2	PN 420	39.9	18	48	41	46	18	250	50.5	1164882000	24-SWOSDS-S25-M33E ¹⁾
S	30	M 42 x 2	PN 420	49.9	23	51	50	50	20	500	69.7	1164932000	24-SWOSDS-S30-M42E ¹⁾
S	38	M 48 x 2	PN 420	54.9	30	60	55	60	22	600	76.4	1164982000	24-SWOSDS-S38-M48E ¹⁾

¹⁾ Standard size

Example for comp. :
EGE06LMED
ISO 8434-1-SWOSDS-L6xM10x1-E-St



Swivel connectors

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

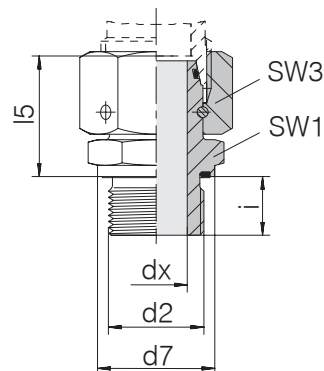
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 9974-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Standard O-ring material (DKO) is FKM



Series	Tube OD	d2	Pressure	d7	dx	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	6	G 1/8 A	PN 500	13.9	2.5	24.5	14	14	8	20	2.6	1165032000	24-SWOSDS-L6-G1/8E ¹⁾
L	8	G 1/8 A	PN 500	13.9	4	24	14	17	8	20	3.3	1197392000	24-SWOSDS-L8-G1/8E
L	8	G 1/4 A	PN 500	18.9	4.5	29.5	19	17	12	50	5.7	1165082000	24-SWOSDS-L8-G1/4E ¹⁾
L	10	G 1/4 A	PN 500	18.9	6	27.5	19	19	12	50	5.6	1165132000	24-SWOSDS-L10-G1/4E ¹⁾
L	10	G 3/8 A	PN 400	21.9	6	28	22	19	12	80	7.3	1197212000	24-SWOSDS-L10-G3/8E
L	10	G 1/2 A	PN 400	26.9	6	28.5	27	19	14	100	9.8	1198302000	24-SWOSDS-L10-G1/2E
L	12	G 1/4 A	PN 500	18.9	6	27.5	19	22	12	50	6.9	1197572000	24-SWOSDS-L12-G1/4E
L	12	G 3/8 A	PN 400	21.9	8	34	22	22	12	80	9.6	1165182000	24-SWOSDS-L12-G3/8E ¹⁾
L	12	G 1/2 A	PN 400	26.9	8	32	27	22	14	100	11.8	1198402000	24-SWOSDS-L12-G1/2E
L	15	G 3/8 A	PN 400	21.9	9	32.5	22	27	12	80	11.6	1198562000	24-SWOSDS-L15-G3/8E
L	15	G 1/2 A	PN 400	26.9	10	32	27	27	14	100	14.1	1165232000	24-SWOSDS-L15-G1/2E ¹⁾
L	15	G 3/4 A	PN 250	31.9	10	30.5	32	27	14	100	15.4	1197032000	24-SWOSDS-L15-G3/4E
L	18	G 1/2 A	PN 400	26.9	13	31.5	27	32	14	100	14.4	1165282000	24-SWOSDS-L18-G1/2E ¹⁾
L	18	G 3/4 A	PN 250	31.9	13	31.5	32	32	16	180	17.2	1198652000	24-SWOSDS-L18-G3/4E
L	22	G 1/2 A	PN 250	26.9	14	32	27	36	14	100	17.1	1198662000	24-SWOSDS-L22-G1/2E
L	22	G 3/4 A	PN 250	31.9	17	32.5	32	36	16	180	20.1	1165332000	24-SWOSDS-L22-G3/4E ¹⁾
L	28	G 3/4 A	PN 250	31.9	17	35	32	41	16	180	23.5	1197012000	24-SWOSDS-L28-G3/4E
L	28	G 1 A	PN 250	39.9	22	35	41	41	18	230	29.3	1165382000	24-SWOSDS-L28-G1E ¹⁾
L	35	G 1 1/4 A	PN 250	49.9	28	42.5	50	50	20	330	50.9	1165432000	24-SWOSDS-L35-G11/4E ¹⁾
L	42	G 1 1/2 A	PN 250	54.9	34	46.5	55	60	22	500	72.2	1165482000	24-SWOSDS-L42-G11/2E ¹⁾

¹⁾ Standard size

Example for comp. :
EGE06LRED
ISO 8434-1-SWOSDS-L6x1/8A-E-St

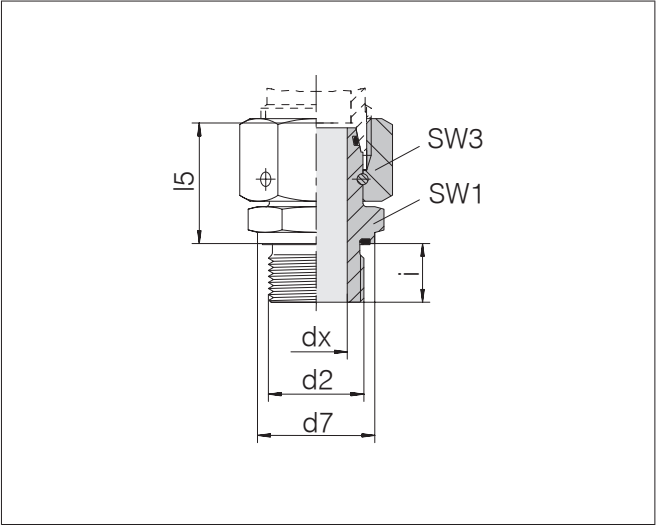
Continued on following page

Swivel connectors

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 9974-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Standard O-ring material (DKO) is FKM



Series	Tube OD	d2	Pressure	d7	dx	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
S	6	G 1/4 A	PN 800	18.9	2.5	27	19	17	12	60	5.4	1165532000	24-SWOSDS-S6-G1/4E ¹⁾
S	8	G 1/4 A	PN 800	18.9	4	29.5	19	19	12	60	6.4	1165582000	24-SWOSDS-S8-G1/4E ¹⁾
S	10	G 1/4 A	PN 800	18.9	5	32	19	22	12	60	8.7	1197512000	24-SWOSDS-S10-G1/4E
S	10	G 3/8 A	PN 800	21.9	6	32	22	22	12	90	9.4	1165632000	24-SWOSDS-S10-G3/8E ¹⁾
S	12	G 1/4 A	PN 630	18.9	5	30	19	24	12	60	7.9	1198582000	24-SWOSDS-S12-G1/4E
S	12	G 3/8 A	PN 630	21.9	8	34	22	24	12	90	10.0	1165682000	24-SWOSDS-S12-G3/8E ¹⁾
S	12	G 1/2 A	PN 630	26.9	8	35.5	27	24	14	150	14.4	1198572000	24-SWOSDS-S12-G1/2E
S	14	G 1/2 A	PN 630	26.9	9	36.5	27	27	14	150	16.4	1165732000	24-SWOSDS-S14-G1/2E ¹⁾
S	16	G 1/2 A	PN 630	26.9	11	37	27	30	14	150	17.1	1165782000	24-SWOSDS-S16-G1/2E ¹⁾
S	16	G 3/4 A	PN 420	31.9	11	39.5	32	30	16	200	24.4	1197772000	24-SWOSDS-S16-G3/4E
S	20	G 1/2 A	PN 420	26.9	12	43	27	36	14	150	21.2	1198312000	24-SWOSDS-S20-G1/2E
S	20	G 3/4 A	PN 420	31.9	14	43	32	36	16	200	27.2	1165832000	24-SWOSDS-S20-G3/4E ¹⁾
S	25	G 3/4 A	PN 420	31.9	16	48	32	46	16	200	39.7	1196482000	24-SWOSDS-S25-G3/4E
S	25	G 1 A	PN 420	39.9	18	48	41	46	18	250	50.6	1165882000	24-SWOSDS-S25-G1E ¹⁾
S	30	G 1 A	PN 420	39.9	18	51.5	41	50	18	250	54.4	1197412000	24-SWOSDS-S30-G1E
S	30	G 1 1/4 A	PN 420	49.9	23	51	50	50	20	500	68.5	1165932000	24-SWOSDS-S30-G11/4E ¹⁾
S	38	G 1 1/4 A	PN 420	49.9	25	54.5	50	60	22	600	78.9	1197362000	24-SWOSDS-S38-G11/4E
S	38	G 1 1/2 A	PN 420	54.9	30	60	55	60	22	600	95.5	1165982000	24-SWOSDS-S38-G11/2E ¹⁾

¹⁾ Standard size



Swivel connectors

With taper and O-Ring
fit in bore type W DIN 3861/ISO 8434-1

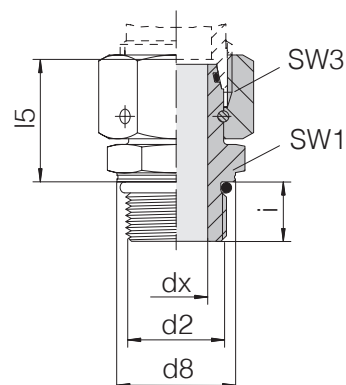
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 6149-2/3

Sealing type: O-Ring (Form F)

Sealing material: Standard NBR

Standard O-ring material (DKO) is FKM



Series	Tube OD	d2	Pressure	d8	dx	l5	SW1	SW3	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
L	6	M 10 x 1	PN 500	13.8	2.5	24.5	14	14	8.5	15	3.1	7000197100	24-SWOSDS-L6-M10F	¹⁾
L	8	M 12 x 1.5	PN 500	16.8	4	26.5	17	17	11	25	4.9	1171082000	24-SWOSDS-L8-M12F	¹⁾
L	8	M 14 x 1.5	PN 500	18.8	4	26.5	19	17	11	35	5.7	1171092000	24-SWOSDS-L8-M14F	
L	10	M 12 x 1.5	PN 500	16.8	6	27.5	17	19	11	25	5.4	1171112000	24-SWOSDS-L10-M12F	¹⁾
L	10	M 14 x 1.5	PN 500	18.8	6	27.5	19	19	11	35	6.2	1171102000	24-SWOSDS-L10-M14F	
L	10	M 18 x 1.5	PN 400	23.8	6	28	24	19	12.5	45	8.9	1171142000	24-SWOSDS-L10-M18F	
L	12	M 16 x 1.5	PN 400	21.8	8	30.5	22	22	11.5	40	9.2	1171152000	24-SWOSDS-L12-M16F	¹⁾
L	15	M 18 x 1.5	PN 400	23.8	10	31.5	24	27	12.5	45	12.1	1171202000	24-SWOSDS-L15-M18F	¹⁾
L	15	M 22 x 1.5	PN 400	26.8	10	31.5	27	27	13	60	13.9	1171212000	24-SWOSDS-L15-M22F	
L	15	M 27 x 2	PN 400	31.8	10	30.5	32	27	16	100	18.7	1171222000	24-SWOSDS-L15-M27F	
L	18	M 22 x 1.5	PN 400	26.8	13	31.5	27	32	13	60	16.2	1171252000	24-SWOSDS-L18-M22F	¹⁾
L	22	M 27 x 2	PN 250	31.8	17	32.5	32	36	16	100	19.6	1171332000	24-SWOSDS-L22-M27F	¹⁾
L	28	M 33 x 2	PN 250	40.8	22	35	41	41	16	160	31.4	1171382000	24-SWOSDS-L28-M33F	¹⁾
L	28	M 42 x 2	PN 250	49.8	22	37	50	41	16	210	40.6	1171392000	24-SWOSDS-L28-M42F	
L	35	M 42 x 2	PN 250	49.8	28	42.5	50	50	16	210	54.6	7000197200	24-SWOSDS-L35-M42F	¹⁾
L	42	M 48 x 2	PN 250	54.8	34	46.5	55	60	17.5	260	91.7	7000197300	24-SWOSDS-L42-M48F	¹⁾
S	6	M 12 x 1.5	PN 800	16.8	2.5	27	17	17	11	35	5.2	7000197800	24-SWOSDS-S6-M12F	¹⁾
S	8	M 14 x 1.5	PN 800	18.8	4	29	19	22	11	40	7.0	1171582000	24-SWOSDS-S8-M14F	¹⁾
S	10	M 16 x 1.5	PN 800	21.8	6	32	22	22	12.5	55	10.0	1171632000	24-SWOSDS-S10-M16F	¹⁾
S	12	M 18 x 1.5	PN 630	23.8	8	34	24	24	14	70	12.3	7000197400	24-SWOSDS-S12-M18F	¹⁾
S	16	M 22 x 1.5	PN 630	26.8	11	37	27	30	15	100	20.7	7000197500	24-SWOSDS-S16-M22F	¹⁾
S	20	M 22 x 1.5	PN 630	26.8	12	43	27	36	15	100	25.3	1171812000	24-SWOSDS-S20-M22F	
S	20	M 27 x 2	PN 420	31.8	14	41	32	36	16	170	29.5	1171832000	24-SWOSDS-S20-M27F	¹⁾
S	25	M 33 x 2	PN 420	40.8	18	44.5	41	46	18.5	310	53.5	1171882000	24-SWOSDS-S25-M33F	¹⁾
S	30	M 42 x 2	PN 420	49.8	23	51	50	50	19	330	79.7	7000197600	24-SWOSDS-S30-M42F	¹⁾
S	38	M 48 x 2	PN 420	54.8	30	60	55	60	21.5	420	115.2	7000197700	24-SWOSDS-S38-M48F	¹⁾

¹⁾ Standard size

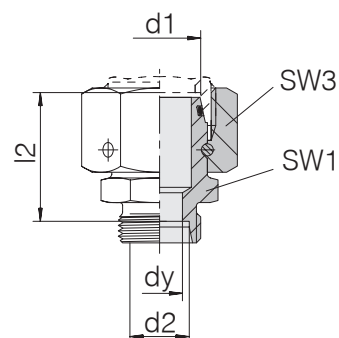
Example for comp. :
EGEO06LM
ISO 8434-1-SWOSDS-L6xM10x1-F-St

Tube end reducers

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD d1	Series Tube OD d2	Pressure	dy	l2	SW1	SW3	kg/100 ca.	Order-No.	Designation
L 8	L 6	PN 500	4	23.5	12	17	2.9	1181002058	24-SWOS-L8-L6
L 10	L 6	PN 500	4	25	14	19	3.8	1181012058	24-SWOS-L10-L6
L 10	L 8	PN 500	6	25	14	19	3.8	1181022058	24-SWOS-L10-L8
L 10	S 8	PN 500	5	28	17	19	4.9	1181962058	24-SWOS-L10-S8
L 12	L 6	PN 400	4	25	17	22	5.0	1181032058	24-SWOS-L12-L6
L 12	L 8	PN 400	6	25	17	22	5.1	1181042058	24-SWOS-L12-L8
L 12	L 10	PN 400	8	26	17	22	5.2	1181052058	24-SWOS-L12-L10
L 12	S 6	PN 400	4	28	17	22	5.6	1181952058	24-SWOS-L12-S6
L 12	S 8	PN 400	5	28	17	22	6.0	1181982058	24-SWOS-L12-S8
L 15	L 6	PN 400	4	28	19	27	8.7	1181062058	24-SWOS-L15-L6
L 15	L 8	PN 400	6	28	19	27	8.8	1181072058	24-SWOS-L15-L8
L 15	L 10	PN 400	8	29	19	27	8.9	1181082058	24-SWOS-L15-L10
L 15	L 12	PN 400	10	29	19	27	9.0	1181092058	24-SWOS-L15-L12
L 15	L 18	PN 400	10	31	27	27	11.8	1181942058	24-SWOS-L15-L18
L 15	S 8	PN 400	5	30	19	27	9.4	1181992058	24-SWOS-L15-S8
L 18	L 6	PN 400	4	28	24	32	11.1	1181102058	24-SWOS-L18-L6
L 18	L 8	PN 400	6	28	24	32	11.1	1181112058	24-SWOS-L18-L8
L 18	L 10	PN 400	8	29	24	32	11.2	1181122058	24-SWOS-L18-L10
L 18	L 12	PN 400	10	29	24	32	11.3	1181132058	24-SWOS-L18-L12
L 18	L 15	PN 400	12	30	24	32	11.8	1181142058	24-SWOS-L18-L15
L 18	S 8	PN 400	5	30	24	32	11.6	1181972058	24-SWOS-L18-S8
L 22	L 6	PN 250	4	32	27	36	15.4	1181152058	24-SWOS-L22-L6
L 22	L 8	PN 250	6	32	27	36	15.5	1181162058	24-SWOS-L22-L8
L 22	L 10	PN 250	8	33	27	36	15.7	1181172058	24-SWOS-L22-L10
L 22	L 12	PN 250	10	33	27	36	16.1	1181182058	24-SWOS-L22-L12
L 22	L 15	PN 250	12	34	27	36	16.2	1181192058	24-SWOS-L22-L15
L 22	L 18	PN 250	15	33.5	27	36	16.6	1181202058	24-SWOS-L22-L18
L 28	L 8	PN 250	6	34	32	41	20.1	1181222058	24-SWOS-L28-L8
L 28	L 10	PN 250	8	35	32	41	20.1	1181232058	24-SWOS-L28-L10
L 28	L 12	PN 250	10	35	32	41	20.1	1181242058	24-SWOS-L28-L12
L 28	L 15	PN 250	12	36	32	41	20.6	1181252058	24-SWOS-L28-L15

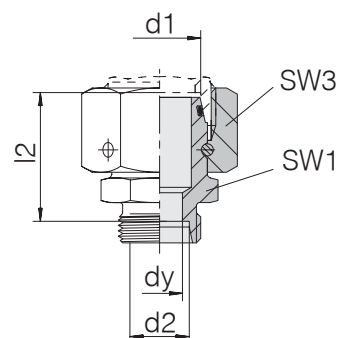


Tube end reducers

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD d1	Series Tube OD d2	Pressure	dy	l2	SW1	SW3	kg/100 ca.	Order-No.	Designation
L 28	L 18	PN 250	15	35.5	32	41	21.0	1181262058	24-SWOS-L28-L18
L 28	L 22	PN 250	19	37.5	32	41	21.0	1181272058	24-SWOS-L28-L22
L 28	S 16	PN 250	12	36.5	32	41	21.5	1181922058	24-SWOS-L28-S16
L 28	S 20	PN 250	16	36.5	32	41	23.2	1181912058	24-SWOS-L28-S20
L 35	L 6	PN 250	4	37	41	50	31.9	1181282058	24-SWOS-L35-L6
L 35	L 8	PN 250	6	37	41	50	30.6	1181292058	24-SWOS-L35-L8
L 35	L 10	PN 250	8	38	41	50	32.3	1181302058	24-SWOS-L35-L10
L 35	L 12	PN 250	10	38	41	50	31.3	1181312058	24-SWOS-L35-L12
L 35	L 15	PN 250	12	39	41	50	31.6	1181322058	24-SWOS-L35-L15
L 35	L 18	PN 250	15	38.5	41	50	31.9	1181332058	24-SWOS-L35-L18
L 35	L 22	PN 250	19	40.5	41	50	32.1	1181342058	24-SWOS-L35-L22
L 35	L 28	PN 250	24	40.5	41	50	32.3	1181352058	24-SWOS-L35-L28
L 42	L 6	PN 250	4	40.5	50	60	52.5	1181812058	24-SWOS-L42-L6
L 42	L 8	PN 250	6	40.5	50	60	51.9	1181362058	24-SWOS-L42-L8
L 42	L 10	PN 250	8	41.5	50	60	52.8	1181372058	24-SWOS-L42-L10
L 42	L 12	PN 250	10	41.5	50	60	51.8	1181382058	24-SWOS-L42-L12
L 42	L 15	PN 250	12	42.5	50	60	53.4	1181392058	24-SWOS-L42-L15
L 42	L 18	PN 250	15	42	50	60	52.7	1181412058	24-SWOS-L42-L18
L 42	L 22	PN 250	19	44	50	60	51.5	1181422058	24-SWOS-L42-L22
L 42	L 28	PN 250	24	44	50	60	51.5	1181432058	24-SWOS-L42-L28
L 42	L 35	PN 250	30	43	50	60	53.1	1181442058	24-SWOS-L42-L35

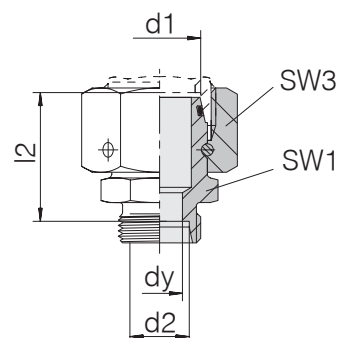
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Tube end reducers

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD d1	Series Tube OD d2	Pressure	dy	l2	SW1	SW3	kg/100 ca.	Order-No.	Designation
S 8	S 6	PN 800	4	27	14	19	4.3	1181452058	24-SWOS-S8-S6
S 10	S 6	PN 800	4	27.5	17	22	5.5	1181462058	24-SWOS-S10-S6
S 10	S 8	PN 800	5	27.5	17	22	5.7	1181472058	24-SWOS-S10-S8
S 12	S 6	PN 630	4	30	19	24	7.0	1181482058	24-SWOS-S12-S6
S 12	S 8	PN 630	5	30	19	24	7.1	1181492058	24-SWOS-S12-S8
S 12	S 10	PN 630	7	29.5	19	24	7.3	1181502058	24-SWOS-S12-S10
S 14	S 6	PN 630	4	31.5	19	27	9.4	1181512058	24-SWOS-S14-S6
S 14	S 8	PN 630	5	31.5	19	27	9.5	1181522058	24-SWOS-S14-S8
S 14	S 10	PN 630	7	31	22	27	10.2	1181532058	24-SWOS-S14-S10
S 14	S 12	PN 630	8	31	22	27	10.4	1181542058	24-SWOS-S14-S12
S 16	L 12	PN 400	10	32	22	30	11.6	1181932058	24-SWOS-S16-L12
S 16	L 15	PN 400	11	38.8	24	30	14.4	1198602058	24-SWOS-S16-L15
S 16	S 6	PN 630	4	32	22	30	11.4	1181552058	24-SWOS-S16-S6
S 16	S 8	PN 630	5	32	22	30	11.6	1181562058	24-SWOS-S16-S8
S 16	S 10	PN 630	7	31.5	22	30	11.7	1181572058	24-SWOS-S16-S10
S 16	S 12	PN 630	8	31.5	22	30	12.0	1181582058	24-SWOS-S16-S12
S 16	S 14	PN 630	10	31.5	24	30	12.8	1181592058	24-SWOS-S16-S14
S 20	L 15	PN 400	12	36	27	36	16.6	1197582058	24-SWOS-S20-L15
S 20	S 6	PN 420	4	36	27	36	17.0	1181602058	24-SWOS-S20-S6
S 20	S 8	PN 420	5	36	27	36	17.2	1181612058	24-SWOS-S20-S8
S 20	S 10	PN 420	7	35.5	27	36	17.0	1181622058	24-SWOS-S20-S10
S 20	S 12	PN 420	8	35.5	27	36	17.3	1181632058	24-SWOS-S20-S12
S 20	S 16	PN 420	12	36.5	27	36	17.9	1181652058	24-SWOS-S20-S16
S 25	L 18	PN 400	15	38	32	46	31.5	1198612058	24-SWOS-S25-L18
S 25	S 6	PN 420	4	38.5	32	46	30.9	1181662058	24-SWOS-S25-S6
S 25	S 8	PN 420	5	38.5	32	46	30.9	1181672058	24-SWOS-S25-S8
S 25	S 10	PN 420	7	38	32	46	31.2	1181682058	24-SWOS-S25-S10
S 25	S 12	PN 420	8	38	32	46	31.3	1181692058	24-SWOS-S25-S12
S 25	S 16	PN 420	12	39	32	46	31.7	1181712058	24-SWOS-S25-S16
S 25	S 20	PN 420	16	39	32	46	32.8	1181722058	24-SWOS-S25-S20
S 30	L 22	PN 250	19	45.5	41	50	40.9	1198072058	24-SWOS-S30-L22
S 30	S 6	PN 420	4	44	41	50	40.4	1181732058	24-SWOS-S30-S6
S 30	S 8	PN 420	5	44	41	50	39.9	1181742058	24-SWOS-S30-S8

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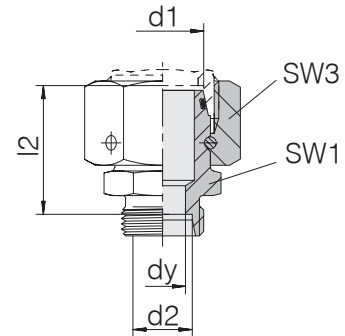


Tube end reducers

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1



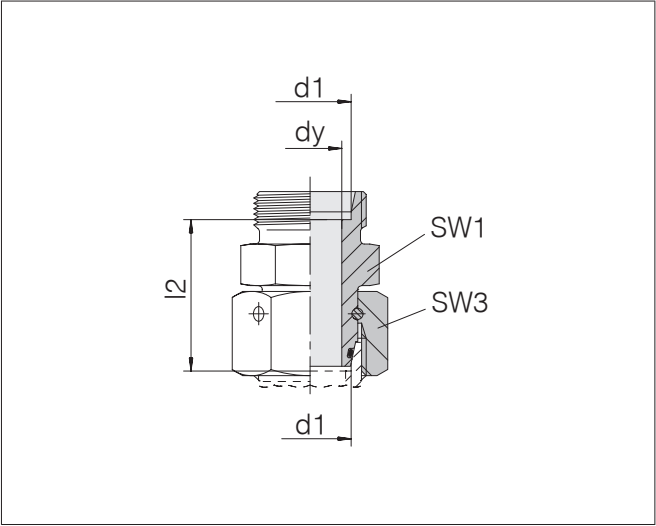
Series Tube OD d1	Series Tube OD d2	Pressure	dy	l2	SW1	SW3	kg/100 ca.	Order-No.	Designation
S 30	S 10	PN 420	7	43.5	41	50	40.4	1181752058	24-SWOS-S30-S10
S 30	S 12	PN 420	8	43.5	41	50	40.5	1181762058	24-SWOS-S30-S12
S 30	S 16	PN 420	12	44.5	41	50	40.6	1181782058	24-SWOS-S30-S16
S 30	S 20	PN 420	16	44.5	41	50	42.2	1181792058	24-SWOS-S30-S20
S 30	S 25	PN 420	20	45	41	50	44.8	1181802058	24-SWOS-S30-S25
S 38	S 6	PN 420	4	47.5	50	60	57.6	1181822058	24-SWOS-S38-S6
S 38	S 8	PN 420	5	47.5	50	60	57.8	1181832058	24-SWOS-S38-S8
S 38	S 10	PN 420	7	47	50	60	58.4	1181842058	24-SWOS-S38-S10
S 38	S 12	PN 420	8	47	50	60	59.2	1181852058	24-SWOS-S38-S12
S 38	S 16	PN 420	12	48	50	60	59.2	1181862058	24-SWOS-S38-S16
S 38	S 20	PN 420	16	48	50	60	59.7	1181872058	24-SWOS-S38-S20
S 38	S 25	PN 420	20	48.5	50	60	62.3	1181882058	24-SWOS-S38-S25
S 38	S 30	PN 420	25	49	50	60	63.6	1181892058	24-SWOS-S38-S30

Distance adapters

With taper and O-ring

Standard material of O-rings is FKM

Tube coupling: 24° in acc. with ISO 8434-1

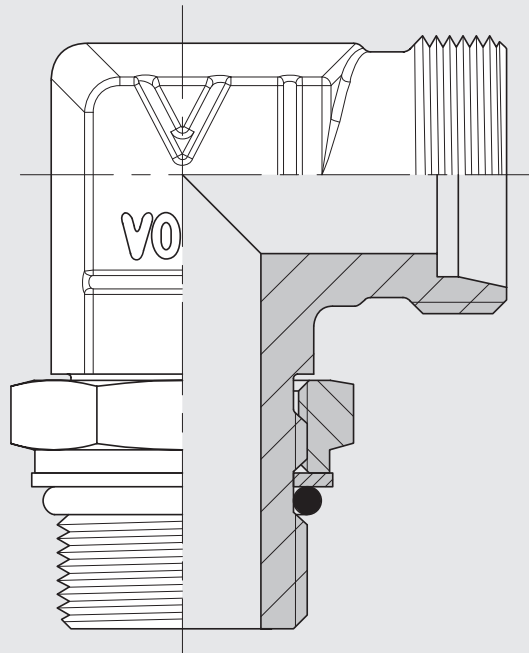


Series Tube OD d1		Pressure	dy	l2	SW1	SW3	Nm -5 %	kg/100 ca.	Order-No.	Designation
L	6	PN 500	2.5	36	12	14	20	3.7	1191402058	24-SWOS-L6
L	8	PN 500	4	36	14	17	30	5.0	1191412058	24-SWOS-L8
L	10	PN 500	6	36	17	19	40	6.6	1191422058	24-SWOS-L10
L	12	PN 400	8	36	19	22	50	8.7	1191862058	24-SWOS-L12
L	15	PN 400	10	36	24	27	70	13.2	1191432058	24-SWOS-L15
L	18	PN 400	13	36	27	32	90	16.8	1191882058	24-SWOS-L18
L	22	PN 250	17	40	32	36	120	23.0	1191872058	24-SWOS-L22
L	28	PN 250	22	40	41	41	160	29.7	1191892058	24-SWOS-L28
L	35	PN 250	28	50	46	50	250	49.0	1191902058	24-SWOS-L35
L	42	PN 250	34	60	55	60	380	85.0	1191912058	24-SWOS-L42
S	6	PN 800	2.5	36	14	17	25	5.3	1191442058	24-SWOS-S6
S	8	PN 800	4	36	17	19	40	7.0	1191492058	24-SWOS-S8
S	10	PN 800	6	36	19	22	50	8.7	1191522058	24-SWOS-S10
S	12	PN 630	8	36	22	24	60	10.4	1191482058	24-SWOS-S12
S	14	PN 630	9	40	24	27	75	14.7	1191532058	24-SWOS-S14
S	16	PN 630	11	40	27	30	85	17.8	1191542058	24-SWOS-S16
S	20	PN 420	14	46	32	36	140	28.0	1191512058	24-SWOS-S20
S	25	PN 420	18	50	41	46	190	50.3	1191502058	24-SWOS-S25
S	30	PN 420	23	56	46	50	270	65.6	1191342058	24-SWOS-S30
S	38	PN 420	30	60	55	60	400	93.6	1191692058	24-SWOS-S38

Example for comp. :
DA06LOMD



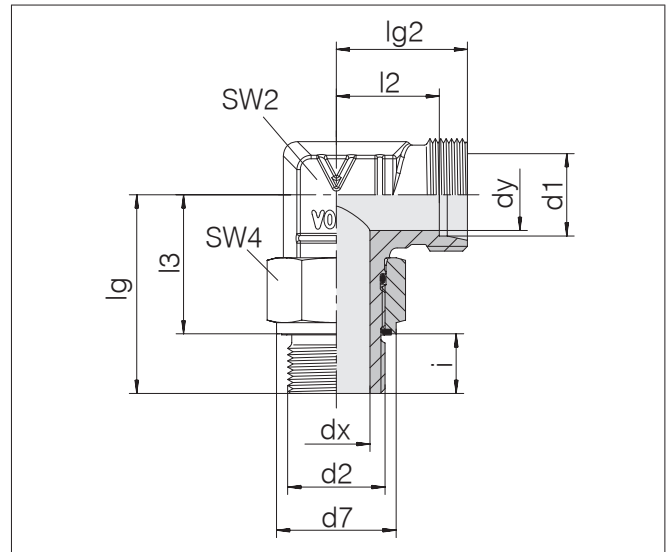
Adjustable stud connectors with locknut



Adjustable locknut elbows

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 9974-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d7	dx	dy	lg	lg2	l2	l3	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation		
Tube OD d1																		
L	6	M 10 x 1	PN 315	13.9	4.5	4	29.5	21	14	21.5	14	14	8	18	4.4	1113002081	24-SDAE-L6-M10E	1)
L	6	M 12 x 1.5	PN 315	16.9	6	4	36.5	21	14	24.5	14	17	12	35	5.8	1113012081	24-SDAE-L6-M12E	
L	6	M 14 x 1.5	PN 315	18.9	7	4	39	23	16	27	17	19	12	55	8.1	1113022081	24-SDAE-L6-M14E	
L	8	M 12 x 1.5	PN 315	16.9	6	6	36.5	23	16	24.5	14	17	12	35	6.1	1113052081	24-SDAE-L8-M12E	1)
L	10	M 14 x 1.5	PN 315	18.9	7.5	8	39	24	17	27	17	19	12	55	7.4	1113102081	24-SDAE-L10-M14E	1)
L	10	M 18 x 1.5	PN 315	23.9	11	8	42	28	28	30	22	19	11.9	90	13.6	1113112081	24-SDAE-L10-M18E	
L	12	M 16 x 1.5	PN 315	21.9	9	10	40	24	17	28	17	22	12	80	9.6	1113152081	24-SDAE-L12-M16E	1)
L	12	M 18 x 1.5	PN 315	23.9	11	10	32	28	21	30	22	24	12	90	14.6	1113162081	24-SDAE-L12-M18E	
L	15	M 18 x 1.5	PN 315	23.9	11	12	32	28	21	30	22	24	12	90	13.7	1113202081	24-SDAE-L15-M18E	1)
L	15	M 22 x 1.5	PN 315	26.9	14	12	46	29	22	32	22	27	14	130	16.4	1113212081	24-SDAE-L15-M22E	
L	18	M 18 x 1.5	PN 315	23.9	11	15	46	31	23.5	34	24	24	12	90	16.1	1113262081	24-SDAE-L18-M18E	
L	18	M 22 x 1.5	PN 315	26.9	14	15	49.5	33	25.5	35.5	27	27	14	130	24.6	1113252081	24-SDAE-L18-M22E	1)
L	18	M 26 x 1.5	PN 160	31.9	18	15	53	33	25.5	37	27	32	16	180	27.0	1113272081	24-SDAE-L18-M26E	
L	22	M 26 x 1.5	PN 160	31.9	18	19	53	35	27.5	37	27	32	16	180	24.2	1113312081	24-SDAE-L22-M26E	1)
L	22	M 27 x 2	PN 160	31.9	18	19	56	35	27.5	40	27	32	16	190	27.9	1113302081	24-SDAE-L22-M27E	
L	28	M 26 x 1.5	PN 160	31.9	18	24	59	38	30.5	43	36	32	16	180	36.3	1113362081	24-SDAE-L28-M26E	
L	28	M 33 x 2	PN 160	40.9	23	24	68.5	40	32.5	50.5	41	41	18	250	65.9	1113352081	24-SDAE-L28-M33E	1)
L	35	M 42 x 2	PN 160	49.9	30	30	75.5	46.5	36	55.5	50	50	20	350	103.9	1113402081	24-SDAE-L35-M42E	1)
L	42	M 48 x 2	PN 160	54.9	36	36	79.5	51	40	57.5	50	55	22	500	106.4	1113452081	24-SDAE-L42-M48E	1)
S	6	M 12 x 1.5	PN 315	16.9	4	4	36.5	23.5	16.5	24.5	14	17	12	35	6.9	1113502081	24-SDAE-S6-M12E	1)
S	8	M 14 x 1.5	PN 315	18.9	6	5	39	25	18	27	17	19	12	55	9.2	1113552081	24-SDAE-S8-M14E	1)
S	10	M 12 x 1.5	PN 315	16.9	6	7	38.5	25	17.5	26.5	17	17	12	35	7.9	1113612081	24-SDAE-S10-M12E	
S	10	M 16 x 1.5	PN 315	21.9	7	7	40	25	17.5	28	17	22	12	80	12.2	1113602081	24-SDAE-S10-M16E	1)
S	12	M 18 x 1.5	PN 315	23.9	9	8	42	29	21.5	30	22	24	12	90	17.1	1113652081	24-SDAE-S12-M18E	1)
S	16	M 22 x 1.5	PN 315	26.9	12	12	49.5	35	26.5	35.5	27	27	14	130	27.4	1113752081	24-SDAE-S16-M22E	1)
S	20	M 27 x 2	PN 250	31.9	15	16	56	38	27.5	40	27	32	16	220	34.3	1113802081	24-SDAE-S20-M27E	1)
S	25	M 33 x 2	PN 160	40.9	20	20	68.5	44	32	50.5	41	41	18	250	76.9	1113852081	24-SDAE-S25-M33E	1)
S	30	M 42 x 2	PN 160	49.9	26	25	75.5	50	36.5	55.5	50	50	20	350	121.4	1113902081	24-SDAE-S30-M42E	1)
S	38	M 48 x 2	PN 160	54.9	32	32	79.5	57	41	57.5	50	55	22	500	133.1	1113952081	24-SDAE-S38-M48E	1)

¹⁾ Standard size



Adjustable locknut elbows

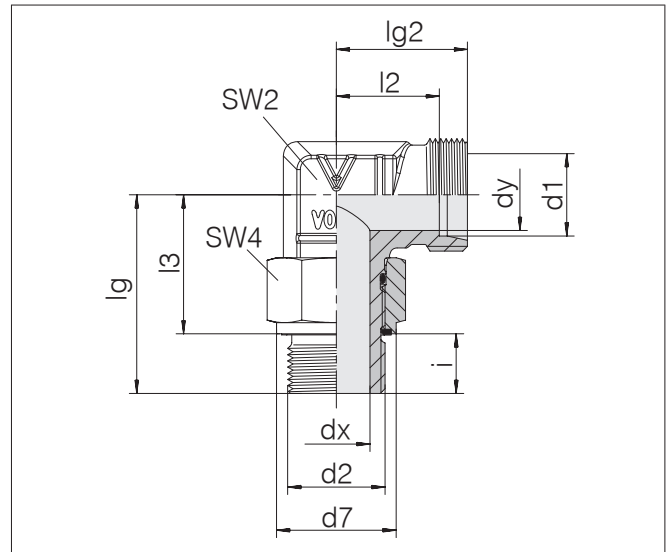
Male thread: BSPP thread, cylindrical

Threaded stud: ISO 1179-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d7	dx	dy	lg	lg2	l2	l3	SW2	SW4	i	Nm	kg/100	Order-No.	Designation		
Tube OD	d1												-10 %	ca.				
L	6	G 1/8 A	PN 315	13.9	4	4	29	21	14	21	14	14	8	20	4.1	1144002081	24-SDAE-L6-G1/8E	1)
L	6	G 1/4 A	PN 315	18.9	7	4	38	23	16	26	17	19	12	50	7.8	1144012081	24-SDAE-L6-G1/4E	
L	8	G 1/4 A	PN 315	18.9	7	6	38	23	16	26	17	19	12	50	7.9	1144052081	24-SDAE-L8-G1/4E	1)
L	8	G 3/8 A	PN 315	21.9	9	6	41	25	18	29	19	22	12	80	11.0	1144062081	24-SDAE-L8-G3/8E	
L	10	G 1/4 A	PN 315	18.9	7	8	38	24	17	26	17	19	12	50	7.9	1144102081	24-SDAE-L10-G1/4E	1)
L	12	G 1/4 A	PN 315	18.9	7	10	48	24	17	26	17	19	12	50	7.6	1144162081	24-SDAE-L12-G1/4E	
L	12	G 3/8 A	PN 315	21.9	10	10	41	26	19	29	19	22	12	80	11.2	1144152081	24-SDAE-L12-G3/8E	1)
L	12	G 1/2 A	PN 250	26.9	12.5	10	44	28	21	30	22	27	14	105	15.4	1144172081	24-SDAE-L12-G1/2E	
L	15	G 1/2 A	PN 250	26.9	12.5	12	44	28	21	30	22	27	14	105	15.3	1144202081	24-SDAE-L15-G1/2E	1)
L	18	G 1/2 A	PN 250	26.9	12.5	15	51	33	25.5	37	27	27	14	105	25.9	1144252081	24-SDAE-L18-G1/2E	1)
L	18	G 3/4 A	PN 160	32.9	15.5	15	55	33	25.5	39	27	36	16	190	32.6	1144262081	24-SDAE-L18-G3/4E	
L	22	G 1/2 A	PN 160	26.9	12.5	19	51	35	27.5	37	27	27	14	105	24.5	1144312081	24-SDAE-L22-G1/2E	
L	22	G 3/4 A	PN 160	35.9	15.5	19	55	35	27.5	39	27	36	16	190	33.6	1144302081	24-SDAE-L22-G3/4E	1)
L	28	G 3/4 A	PN 160	35.9	15.5	24	60.5	38	30.5	44.5	36	36	16	190	43.7	1144362081	24-SDAE-L28-G3/4E	
L	28	G 1 A	PN 160	40.9	21.5	24	68.5	40	32.5	50.5	41	41	18	250	70.5	1144352081	24-SDAE-L28-G1E	1)
L	35	G 1 1/4 A	PN 160	49.9	27.5	30	76	46.5	36	56	50	50	20	400	111.5	1144402081	24-SDAE-L35-G11/4E	1)
L	42	G 1 1/2 A	PN 160	54.9	33	36	79.5	51	40	57.5	50	55	22	500	115.4	1144452081	24-SDAE-L42-G11/2E	1)
S	6	G 1/4 A	PN 315	18.9	6	4	38	25	18	26	17	19	12	50	8.7	1144502081	24-SDAE-S6-G1/4E	1)
S	8	G 1/4 A	PN 315	18.9	7	5	38	25	18	26	17	19	12	50	8.5	1144552081	24-SDAE-S8-G1/4E	1)
S	10	G 3/8 A	PN 315	21.9	10	7	41	27	19.5	29	19	22	12	80	12.1	1144602081	24-SDAE-S10-G3/8E	1)
S	12	G 3/8 A	PN 315	21.9	10	8	41	29	21.5	29	19	22	12	80	12.1	1144652081	24-SDAE-S12-G3/8E	1)
S	14	G 1/2 A	PN 315	26.9	10	10	44	30	22	30	24	27	14	110	19.3	1144702081	24-SDAE-S14-G1/2E	1)
S	16	G 1/2 A	PN 315	26.9	10	12	51	35	26.5	37	27	27	14	110	27.3	1144752081	24-SDAE-S16-G1/2E	1)
S	16	G 3/4 A	PN 250	35.9	15.5	12	55	35	26.5	39	27	36	16	220	35.3	1144762081	24-SDAE-S16-G3/4E	
S	20	G 3/4 A	PN 250	35.9	15.5	16	55	38	27.5	39	27	36	16	220	36.2	1144802081	24-SDAE-S20-G3/4E	1)
S	25	G 3/4 A	PN 250	35.9	15.5	20	60.5	42	30	44.5	36	36	16	220	46.5	1144862081	24-SDAE-S25-G3/4E	
S	25	G 1 A	PN 250	40.9	21.5	20	68.5	44	32	50.5	41	41	18	280	75.0	1144852081	24-SDAE-S25-G1E	1)
S	30	G 1 1/4 A	PN 160	49.9	27.5	25	76	50	36.5	56	50	50	20	400	118.7	1144902081	24-SDAE-S30-G11/4E	1)
S	38	G 1 1/2 A	PN 160	54.9	33	32	79.5	57	41	57.5	50	55	22	500	129.5	1144952081	24-SDAE-S38-G11/2E	1)

1) Standard size

Adjustable locknut elbows

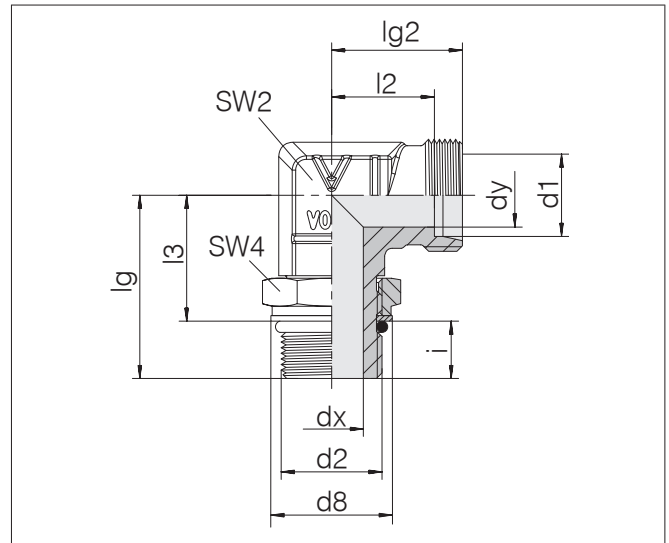
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 6149-2/3

Sealing type: O-Ring (Form F)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series	d2	Pressure	d8	dx	dy	lg	lg2	l2	l3	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation	
Tube OD d1																	
L 6	M 10 x 1	PN 315	14.5	4.5	4	27	19	12	20	12	14	7	15	2.6	0147002081	24-SDAE-L6-M10F	¹⁾
L 8	M 12 x 1.5	PN 315	17.5	6	6	32	21	14	22	12	17	10	25	3.7	0147052081	24-SDAE-L8-M12F	¹⁾
L 10	M 12 x 1.5	PN 315	17.5	6	8	35	22	15	25	14	17	10	25	4.6	0147112081	24-SDAE-L10-M12F	
L 10	M 14 x 1.5	PN 315	19.5	7.5	8	35	22	15	25	14	19	10	35	4.8	0147102081	24-SDAE-L10-M14F	¹⁾
L 10	M 18 x 1.5	PN 315	24.5	11	8	41	24	17	30	19	24	11	45	9.7	0147122081	24-SDAE-L10-M18F	
L 12	M 12 x 1.5	PN 315	17.5	6	10	36	24.5	17.5	26	17	17	10	25	5.4	0147172081	24-SDAE-L12-M12F	
L 12	M 16 x 1.5	PN 315	22.5	9	10	36	24	17	26	17	22	10	40	6.5	0147152081	24-SDAE-L12-M16F	¹⁾
L 12	M 18 x 1.5	PN 315	24.5	11	26	41	26	19	30	19	24	11	45	10.0	0147182081	24-SDAE-L12-M18F	
L 15	M 18 x 1.5	PN 315	24.5	11	12	41	28	21	30	19	24	11	45	10.4	0147202081	24-SDAE-L15-M18F	¹⁾
L 18	M 22 x 1.5	PN 315	27.5	14	15	45	31	23.5	33	24	27	12	60	15.7	0147252081	24-SDAE-L18-M22F	¹⁾
L 22	M 27 x 2	PN 160	32.5	18	19	49	35	27.5	35	27	32	14	100	20.7	0147302081	24-SDAE-L22-M27F	¹⁾
L 28	M 33 x 2	PN 160	41.5	23	24	52	38	30.5	38	36	41	14	160	34.5	0147352081	24-SDAE-L28-M33F	¹⁾
L 35	M 42 x 2	PN 160	50.5	30	30	62	45	34.5	48	41	50	14	210	52.7	0147402081	24-SDAE-L35-M42F	¹⁾
L 42	M 48 x 2	PN 160	55.5	36	36	65	51	40	49	50	55	16	260	81.3	0147452081	24-SDAE-L42-M48F	¹⁾
S 6	M 12 x 1.5	PN 400	17.5	4	4	32	23	16	22	12	17	10	35	4.6	0147502081	24-SDAE-S6-M12F	¹⁾
S 8	M 14 x 1.5	PN 400	19.5	6	5	36	24	17	26	14	19	10	45	6.4	0147552081	24-SDAE-S8-M14F	¹⁾
S 10	M 16 x 1.5	PN 400	22.5	7	7	38	25	17.5	27	17	22	11	55	8.6	0147602081	24-SDAE-S10-M16F	¹⁾
S 12	M 18 x 1.5	PN 400	24.5	9	8	43	29	21.5	31	17	24	12	70	11.6	0147652081	24-SDAE-S12-M18F	¹⁾
S 16	M 22 x 1.5	PN 400	27.5	12	12	49	33	24.5	35	24	27	14	100	17.9	0147752081	24-SDAE-S16-M22F	¹⁾
S 20	M 27 x 2	PN 400	32.5	15	16	55	37	26.5	39	27	32	16	170	28.7	0147802081	24-SDAE-S20-M27F	¹⁾
S 25	M 33 x 2	PN 315	41.5	20	20	60	42	30	44	36	41	16	310	48.0	0147852081	24-SDAE-S25-M33F	¹⁾
S 30	M 42 x 2	PN 250	50.5	26	25	68	49	35.5	51	41	50	17	330	76.5	0147902081	24-SDAE-S30-M42F	¹⁾
S 38	M 48 x 2	PN 200	55.5	32	32	73	57	41	54	50	55	19	420	114.5	0147952081	24-SDAE-S38-M48F	¹⁾

¹⁾ Standard size

Example for comp. :
WEE06LMOROMD



Adjustable locknut 45° elbows

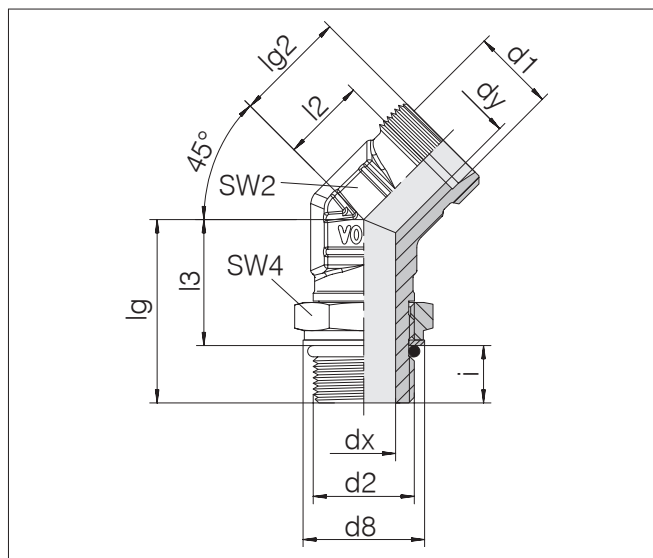
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 6149-2/3

Sealing type: O-Ring (Form F)

Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



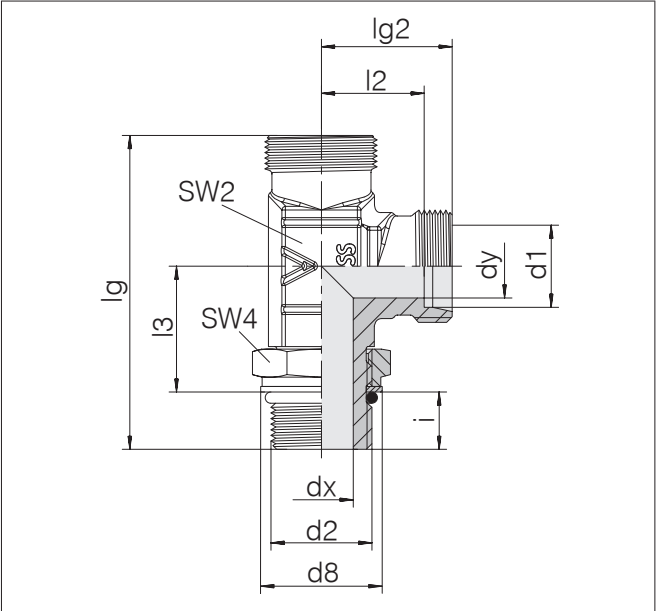
Series	d2	Pressure	d8	dx	dy	lg	lg2	l2	l3	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
Tube OD d1																
L 6	M 10 x 1	PN 315	14.5	4.5	4	27	21	14	20	19	14	7	15	6.1	1145002081	24-SDAE45-L6-M10F
L 8	M 12 x 1.5	PN 315	17.5	6	6	32	23	16	22	19	17	10	25	7.1	1145052081	24-SDAE45-L8-M12F
L 10	M 14 x 1.5	PN 315	19.5	7.5	8	35	24	17	25	19	19	10	35	8.1	1145102081	24-SDAE45-L10-M14F
L 12	M 16 x 1.5	PN 315	22.5	9	10	36	26	19	26	19	22	10	40	8.7	1145152081	24-SDAE45-L12-M16F
L 15	M 18 x 1.5	PN 315	24.5	11	12	41	24	17	30	19	24	11	45	9.7	1145202081	24-SDAE45-L15-M18F
L 18	M 22 x 1.5	PN 315	27.5	14	15	45	26.5	19	33	24	27	12	60	17.7	1145252081	24-SDAE45-L18-M22F
L 22	M 27 x 2	PN 160	32.5	18	19	49	30	22.5	35	27	32	14	100	19.8	1145302081	24-SDAE45-L22-M27F
L 28	M 33 x 2	PN 160	41.5	23	24	52	32	24.5	38	36	41	14	160	32.3	1145352081	24-SDAE45-L28-M33F
L 35	M 42 x 2	PN 160	50.5	30	30	62	37.5	27	48	41	50	14	210	53.7	1145402081	24-SDAE45-L35-M42F
L 42	M 48 x 2	PN 160	55.5	36	36	65	51	40	49	50	55	16	260	69.5	1145452081	24-SDAE45-L42-M48F
S 6	M 12 x 1.5	PN 400	17.5	4	4	32	23.8	16	22	19	17	10	35	7.6	1145502081	24-SDAE45-S6-M12F
S 8	M 14 x 1.5	PN 400	19.5	6	5	36	24	17	26	19	19	10	45	9.1	1145552081	24-SDAE45-S8-M14F
S 10	M 16 x 1.5	PN 400	22.5	7	7	38	25.5	18	27	19	22	11	55	10.4	1145602081	24-SDAE45-S10-M16F
S 12	M 18 x 1.5	PN 400	24.5	9	8	43	24.5	17	31	19	24	12	70	12.4	1145652081	24-SDAE45-S12-M18F
S 16	M 22 x 1.5	PN 400	27.5	12	12	49	27.5	19	35	24	27	14	100	18.3	1145752081	24-SDAE45-S16-M22F
S 20	M 27 x 2	PN 400	32.5	15	16	55	32	21.5	39	27	32	16	170	27.7	1145802081	24-SDAE45-S20-M27F
S 25	M 33 x 2	PN 315	44.5	20	20	60	35	23	44	36	41	16	310	45.2	1145852081	24-SDAE45-S25-M33F
S 30	M 42 x 2	PN 250	50.5	26	25	68	37.5	24	51	41	50	17	330	72.0	1145902081	24-SDAE45-S30-M42F
S 38	M 48 x 2	PN 200	55.5	32	32	73	44	28	54	50	55	19	420	104.2	1145952081	24-SDAE45-S38-M48F

Example for comp. :
VEE06LMOROMD

Adjustable locknut run tees

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 6149-2/3
Sealing type: O-Ring (Form F)
Sealing material: Standard NBR

Tube coupling: 24° in acc. with ISO 8434-1



Series		d2	Pressure	d8	dx	dy	lg	lg2	l2	l3	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
Tube OD d1																	
L	6	M 10 x 1	PN 315	14.5	4.5	4	48	21	14	20	14	14	7	15	4.8	1146002081	24-SDAL-L6-M10F
L	8	M 12 x 1.5	PN 315	17.5	6	6	55	23	16	22	17	17	10	25	6.9	1146052081	24-SDAL-L8-M12F
L	10	M 14 x 1.5	PN 315	19.5	7.5	8	59	24	17	25	17	19	10	35	7.0	1146102081	24-SDAL-L10-M14F
L	12	M 16 x 1.5	PN 315	22.5	9	10	62	26	19	26	19	22	10	40	10.6	1146152081	24-SDAL-L12-M16F
L	15	M 18 x 1.5	PN 315	24.5	11	12	69	28	21	30	19	24	11	45	12.2	1146202081	24-SDAL-L15-M18F
L	18	M 22 x 1.5	PN 315	27.5	14	15	79	34	26.5	33	27	27	12	60	25.4	1146252081	24-SDAL-L18-M22F
L	22	M 27 x 2	PN 160	32.5	18	19	84	35	27.5	35	27	32	14	100	28.2	1146302081	24-SDAL-L22-M27F
L	28	M 33 x 2	PN 160	41.5	23	24	90	38	30.5	38	36	41	14	160	46.8	1146352081	24-SDAL-L28-M33F
L	35	M 42 x 2	PN 160	50.5	30	30	107	45	34.5	48	41	50	14	210	90.1	1146402081	24-SDAL-L35-M42F
L	42	M 48 x 2	PN 160	55.5	36	36	116	51	40	49	50	55	16	260	102.8	1146452081	24-SDAL-L42-M48F
S	6	M 12 x 1.5	PN 400	17.5	4	4	55	23	16	22	17	17	10	35	7.5	1146502081	24-SDAL-S6-M12F
S	8	M 14 x 1.5	PN 400	19.5	6	5	60	24	17	26	17	19	10	45	8.9	1146552081	24-SDAL-S8-M14F
S	10	M 16 x 1.5	PN 400	22.5	7	7	65	27	19.5	27	19	22	11	55	13.4	1146602081	24-SDAL-S10-M16F
S	12	M 18 x 1.5	PN 400	24.5	9	8	75	32	24.5	31	27	24	12	70	26.7	1146652081	24-SDAL-S12-M18F
S	16	M 22 x 1.5	PN 400	27.5	12	12	82	33	24.5	35	22	27	14	100	30.2	1146752081	24-SDAL-S16-M22F
S	20	M 27 x 2	PN 400	32.5	15	16	92	37	26.5	39	27	32	16	170	37.7	1146802081	24-SDAL-S20-M27F
S	25	M 33 x 2	PN 315	41.5	20	20	102	42	30	44	36	41	16	310	66.7	1146852081	24-SDAL-S25-M33F
S	30	M 42 x 2	PN 250	50.5	26	25	117	49	35.5	51	41	50	17	330	116.4	1146902081	24-SDAL-S30-M42F
S	38	M 48 x 2	PN 200	55.5	32	32	130	57	41	54	50	55	19	420	151.4	1146952081	24-SDAL-S38-M48F

Example for comp. :
LEE06LMOROMD



Adjustable locknut branch tees

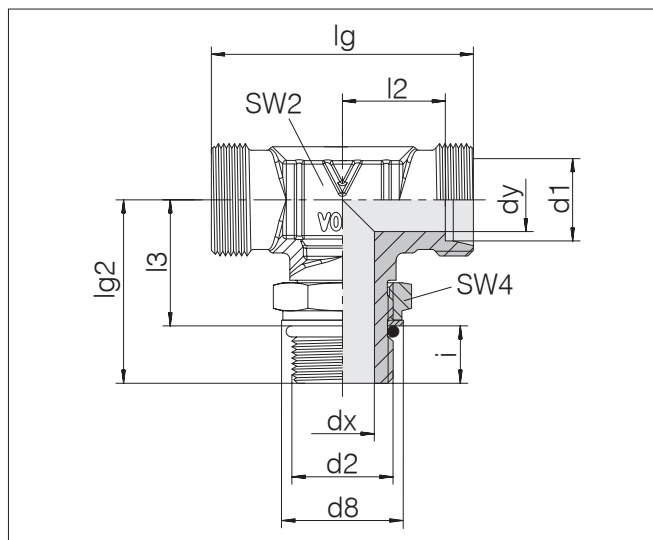
Male thread: Metric fine thread, cylindrical

Threaded stud: ISO 6149-2/3

Sealing type: O-Ring (Form F)

Sealing material: Standard NBR

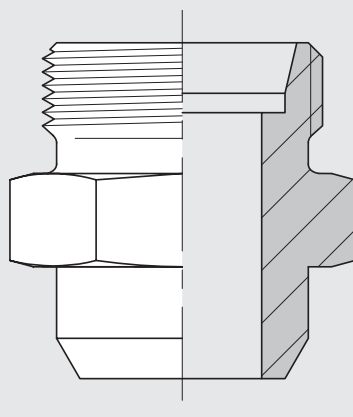
Tube coupling: 24° in acc. with ISO 8434-1



Series	Tube OD	d2	Pressure	d8	dx	dy	lg	lg2	l2	l3	SW2	SW4	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
L	6	M 10 x 1	PN 315	14.5	4.5	4	44	27	15	20	14	14	7	15	4.7	1147002081	24-SDAT-L6-M10F
L	8	M 12 x 1.5	PN 315	17.5	6	6	44	32	15	22	14	17	10	25	5.5	1147052081	24-SDAT-L8-M12F
L	10	M 14 x 1.5	PN 315	19.5	7.5	8	49	35	17.5	25	17	19	10	35	7.3	1147102081	24-SDAT-L10-M14F
L	12	M 16 x 1.5	PN 315	22.5	9	10	54	36	20	26	19	22	10	40	10.8	1147152081	24-SDAT-L12-M16F
L	15	M 18 x 1.5	PN 315	24.5	11	12	56	41	21	30	22	24	11	45	15.4	1147202081	24-SDAT-L15-M18F
L	18	M 22 x 1.5	PN 315	27.5	14	15	66	45	25.5	33	27	27	12	60	81.3	1147252081	24-SDAT-L18-M22F
L	22	M 27 x 2	PN 160	32.5	18	19	70	49	27.5	35	27	32	14	100	28.2	1147302081	24-SDAT-L22-M27F
L	28	M 33 x 2	PN 160	41.5	23	24	76	52	30.5	38	36	41	14	160	47.3	1147352081	24-SDAT-L28-M33F
L	35	M 42 x 2	PN 160	50.5	30	30	90	62	34.5	48	41	50	14	210	90.1	1147402081	24-SDAT-L35-M42F
L	42	M 48 x 2	PN 160	55.5	36	36	102	65	40	49	50	55	16	260	102.8	1147452081	24-SDAT-L42-M48F
S	6	M 12 x 1.5	PN 400	17.5	4	4	44	32	15	22	17	17	10	35	7.3	1147502081	24-SDAT-S6-M12F
S	8	M 14 x 1.5	PN 400	19.5	6	5	54	36	20	26	19	19	10	45	12.4	1147552081	24-SDAT-S8-M14F
S	10	M 16 x 1.5	PN 400	22.5	7	7	55	38	20	27	19	22	11	55	13.5	1147602081	24-SDAT-S10-M16F
S	12	M 18 x 1.5	PN 400	24.5	9	8	58	43	21.5	31	22	24	12	70	18.7	1147652081	24-SDAT-S12-M18F
S	16	M 22 x 1.5	PN 400	27.5	12	12	66	49	24.5	35	22	27	14	100	21.8	1147752081	24-SDAT-S16-M22F
S	20	M 27 x 2	PN 400	32.5	15	16	74	55	26.5	39	27	32	16	170	37.7	1147802081	24-SDAT-S20-M27F
S	25	M 33 x 2	PN 315	41.5	20	20	84	60	30	44	36	41	16	310	66.8	1147852081	24-SDAT-S25-M33F
S	30	M 42 x 2	PN 250	50.5	26	25	98	68	35.5	51	41	50	17	330	116.8	1147902081	24-SDAT-S30-M42F
S	38	M 48 x 2	PN 200	55.5	32	32	114	73	41	54	50	55	19	420	151.5	1147952081	24-SDAT-S38-M48F

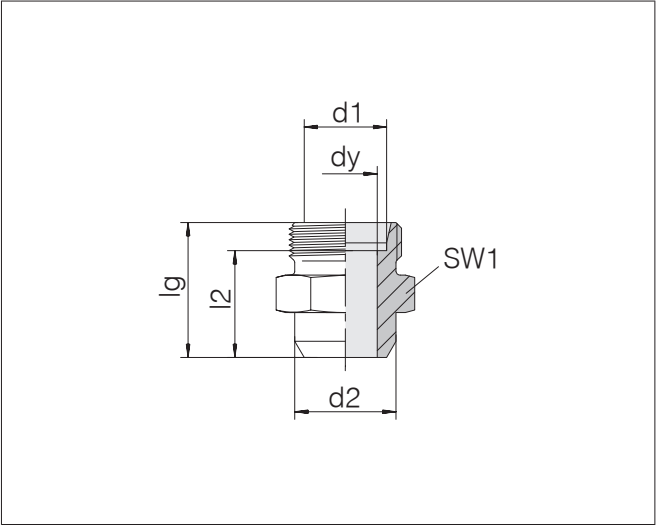
Example for comp. :
TEE06LMOROMD

Weld connectors



Weld connectors

Tube coupling: 24° in acc. with ISO 8434-1



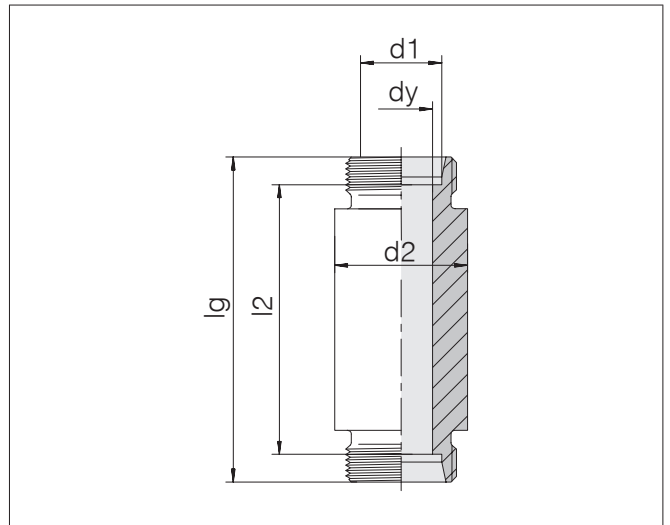
Series Tube OD d1		Pressure	d2	dy	lg	l2	SW1	kg/100 ca.	Order-No.	Designation
L	6	PN 315	10	4	21	14	12	1.0	0739000000	24-WDS-L6-C00
L	8	PN 315	12	6	23	16	14	1.5	0739050000	24-WDS-L8-C00
L	10	PN 315	14	8	25	18	17	2.1	0739100000	24-WDS-L10-C00
L	12	PN 315	16	10	25	18	19	2.6	0739150000	24-WDS-L12-C00
L	15	PN 315	19	12	29	22	22	4.3	0739200000	24-WDS-L15-C00
L	18	PN 315	22	15	31	23.5	27	6.6	0739250000	24-WDS-L18-C00
L	22	PN 160	27	19	36	28.5	32	9.7	0739300000	24-WDS-L22-C00
L	28	PN 160	32	24	38	30.5	41	15.9	0739350000	24-WDS-L28-C00
L	35	PN 160	40	30	43	32.5	46	22.8	0739400000	24-WDS-L35-C00
L	42	PN 160	46	36	46	35	55	32.8	0739450000	24-WDS-L42-C00
S	6	PN 630	11	4	26	19	14	2.1	0739500000	24-WDS-S6-C00
S	8	PN 630	13	5	28	21	17	3.0	0739550000	24-WDS-S8-C00
S	10	PN 630	15	7	30	22.5	19	4.0	0739600000	24-WDS-S10-C00
S	12	PN 630	17	8	32	24.5	22	5.5	0739650000	24-WDS-S12-C00
S	14	PN 630	19	10	35	27	24	7.0	0739700000	24-WDS-S14-C00
S	16	PN 400	21	12	35	26.5	27	8.3	0739750000	24-WDS-S16-C00
S	20	PN 400	26	16	40	29.5	32	12.9	0739800000	24-WDS-S20-C00
S	25	PN 400	31	20	44	32	41	22.2	0739850000	24-WDS-S25-C00
S	30	PN 400	36	25	49	35.5	46	29.5	0739900000	24-WDS-S30-C00
S	38	PN 315	44	32	54	38	55	45.5	0739950000	24-WDS-S38-C00

Example for comp. :
AS06LX
ISO 8434-1-WDS-L6-St



Weld bulkhead connectors

Tube coupling: 24° in acc. with ISO 8434-1



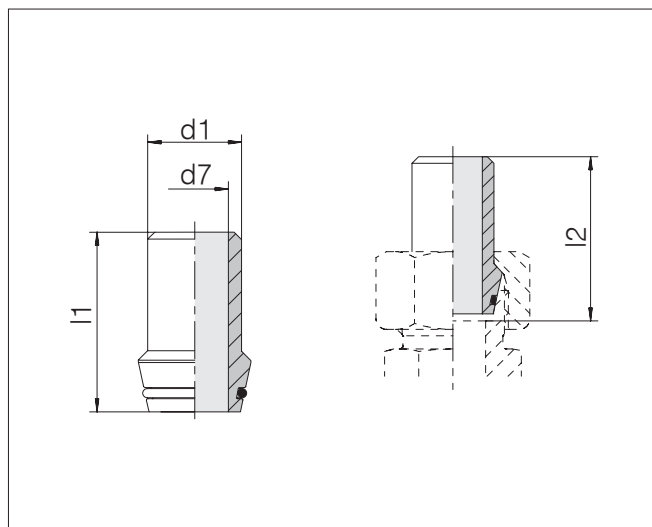
Series	Tube OD	d1	Pressure	d2	dy	lg	l2	kg/100 ca.	Order-No.	Designation
L	6		PN 315	18	4	70	56	10.3	0741000000	24-WDBHS-L6-C00
L	8		PN 315	20	6	70	56	12.1	0741050000	24-WDBHS-L8-C00
L	10		PN 315	22	8	72	58	14.3	0741100000	24-WDBHS-L10-C00
L	12		PN 315	25	10	72	58	17.7	0741150000	24-WDBHS-L12-C00
L	15		PN 315	28	12	84	70	25.9	0741200000	24-WDBHS-L15-C00
L	18		PN 315	32	15	84	69	33.4	0741250000	24-WDBHS-L18-C00
L	22		PN 160	36	19	88	73	40.0	0741300000	24-WDBHS-L22-C00
L	28		PN 160	40	24	88	73	44.5	0741350000	24-WDBHS-L28-C00
L	35		PN 160	50	30	92	71	72.3	0741400000	24-WDBHS-L35-C00
L	42		PN 160	60	36	92	70	100.5	0741450000	24-WDBHS-L42-C00
S	6		PN 630	20	4	74	60	13.5	0741500000	24-WDBHS-S6-C00
S	8		PN 630	22	5	74	60	16.2	0741550000	24-WDBHS-S8-C00
S	10		PN 630	25	7	74	59	20.0	0741600000	24-WDBHS-S10-C00
S	12		PN 630	28	8	74	59	25.0	0741650000	24-WDBHS-S12-C00
S	14		PN 630	30	10	88	72	33.7	0741700000	24-WDBHS-S14-C00
S	16		PN 400	35	12	88	71	44.4	0741750000	24-WDBHS-S16-C00
S	20		PN 400	38	16	92	71	51.5	0741800000	24-WDBHS-S20-C00
S	25		PN 400	45	20	96	72	72.3	0741850000	24-WDBHS-S25-C00
S	30		PN 400	50	25	100	73	87.3	0741900000	24-WDBHS-S30-C00
S	38		PN 315	60	32	104	72	125.1	0741950000	24-WDBHS-S38-C00

Example for comp. :
 ESV06LX
 ISO 8434-1-WDBHS-L6-St

Welding nipples with O-ring seal

With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard material of O-rings is NBR



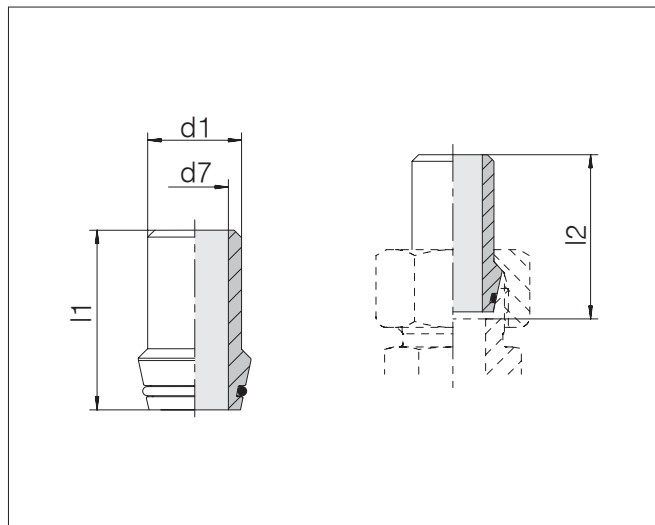
Series	Tube OD	d1	for tube	Pressure	d7	l1	l2	kg/100 ca.	O-ring dimensions	Order-No.	Designation
L/S	6		6 x 1.5	PN 500	3	31	31.5	0.7	4 x 1.5	0070519967	24-WDNPSO-6x1,5-C10
L/S	8		8 x 1.5	PN 400	5	31	31.5	1.1	6 x 1.5	0070569967	24-WDNPSO-8x1,5-C10
L/S	8		8 x 2	PN 500	4	31	31.5	1.1	6 x 1.5	0070579967	24-WDNPSO-8x2-C10
L/S	10		10 x 1	PN 250	8	32.5	33.5	1.3	7.5 x 1.5	0070609967	24-WDNPSO-10x1-C10
L/S	10		10 x 1.5	PN 315	7	32.5	33.5	1.5	7.5 x 1.5	0070619967	24-WDNPSO-10x1,5-C10
L/S	10		10 x 2	PN 400	6	32.5	33.5	1.6	7.5 x 1.5	0070629967	24-WDNPSO-10x2-C10
L/S	10		10 x 2.5	PN 500	5	32.5	33.5	1.8	7.5 x 1.5	0070639967	24-WDNPSO-10x2,5-C10
L/S	12		12 x 1.5	PN 315	9	32.5	33.5	1.9	9 x 1.5	0070669967	24-WDNPSO-12x1,5-C10
L/S	12		12 x 2	PN 400	8	32.5	33.5	1.9	9 x 1.5	0070679967	24-WDNPSO-12x2-C10
L/S	12		12 x 2.5	PN 400	7	32.5	33.5	2.2	9 x 1.5	0070689967	24-WDNPSO-12x2,5-C10
L	15		15 x 2	PN 315	11	34.5	34.5	2.4	12 x 2	0069009967	24-WDNPSO-15x2-C10
L	15		15 x 2.5	PN 315	10	34.5	34.5	2.9	12 x 2	0069019967	24-WDNPSO-15x2,5-C10
L	18		18 x 2.5	PN 315	13	36	37	3.9	15 x 2	0069029967	24-WDNPSO-18x2,5-C10
L	22		22 x 2.5	PN 160	17	38.5	39.5	5.2	20 x 2	0069079967	24-WDNPSO-22x2,5-C10
L	28		28 x 2.5	PN 160	23	41.5	42.5	7.3	26 x 2	0069039967	24-WDNPSO-28x2,5-C10
L	28		28 x 3	PN 160	22	41.5	42.5	8.4	26 x 2	0070039967	24-WDNPSO-28x3-C10
L	35		35 x 3.5	PN 160	28	47.5	49.5	14.4	32 x 2.5	0069049967	24-WDNPSO-35x3,5-C10
L	35		35 x 4	PN 160	27	47.5	49.5	16.0	32 x 2.5	0069059967	24-WDNPSO-35x4-C10
L	42		42 x 3	PN 160	36	47.5	50	15.4	38 x 2.5	0070009967	24-WDNPSO-42x3-C10
L	42		42 x 4	PN 160	34	47.5	50	19.5	38 x 2.5	0070049967	24-WDNPSO-42x4-C10



Welding nipples with O-ring seal

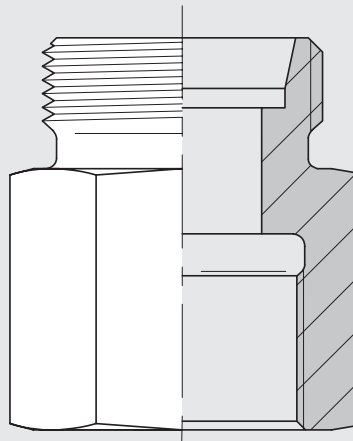
With taper and O-ring
fit in bore type
W DIN 3861/ISO 8434-1

Standard material of O-rings is NBR



Series	Tube OD	d1	for tube	Pressure	d7	l1	l2	kg/100 ca.	O-ring dimen- sions	Order-No.	Designation
S	14		14 x 2	PN 315	10	38.5	39.5	3.0	10 x 2	0070729967	24-WDNPSO-14x2-C10
S	14		14 x 2.5	PN 400	9	38.5	39.5	3.1	10 x 2	0070739967	24-WDNPSO-14x2,5-C10
S	14		14 x 3	PN 400	8	38.5	39.5	3.5	10 x 2	0070749967	24-WDNPSO-14x3-C10
S	16		16 x 1.5	PN 250	13	39	41	3.1	12 x 2	0070769967	24-WDNPSO-16x1,5-C10
S	16		16 x 2	PN 315	12	39	41	3.6	12 x 2	0070779967	24-WDNPSO-16x2-C10
S	16		16 x 2.5	PN 400	11	39	41	3.6	12 x 2	0070789967	24-WDNPSO-16x2,5-C10
S	16		16 x 3	PN 400	10	39	41	4.4	12 x 2	0070799967	24-WDNPSO-16x3-C10
S	20		20 x 2	PN 250	16	45	47	6.0	16.3 x 2.4	0070819967	24-WDNPSO-20x2-C10
S	20		20 x 2.5	PN 315	15	45	47	6.4	16.3 x 2.4	0070829967	24-WDNPSO-20x2,5-C10
S	20		20 x 3	PN 400	14	45	47	6.4	16.3 x 2.4	0070839967	24-WDNPSO-20x3-C10
S	20		20 x 4	PN 400	12	45	47	7.8	16.3 x 2.4	0070849967	24-WDNPSO-20x4-C10
S	25		25 x 2.5	PN 250	20	50	53.5	10.1	20.3 x 2.4	0070869967	24-WDNPSO-25x2,5-C10
S	25		25 x 3	PN 315	19	50	53.5	10.2	20.3 x 2.4	0070879967	24-WDNPSO-25x3-C10
S	25		25 x 3.5	PN 315	18	50	53.5	10.0	20.3 x 2.4	0070909967	24-WDNPSO-25x3,5-C10
S	25		25 x 4	PN 400	17	50	53.5	11.2	20.3 x 2.4	0070889967	24-WDNPSO-25x4-C10
S	25		25 x 5	PN 400	15	50	53.5	13.1	20.3 x 2.4	0070899967	24-WDNPSO-25x5-C10
S	30		30 x 3	PN 250	24	52	57	10.8	25.3 x 2.4	0070929967	24-WDNPSO-30x3-C10
S	30		30 x 4	PN 315	22	52	57	14.5	25.3 x 2.4	0070939967	24-WDNPSO-30x4-C10
S	30		30 x 5	PN 400	20	52	57	17.1	25.3 x 2.4	0070949967	24-WDNPSO-30x5-C10
S	30		30 x 6	PN 400	18	52	57	19.5	25.3 x 2.4	0070959967	24-WDNPSO-30x6-C10
S	38		38 x 3	PN 160	32	56.5	64	16.4	33.3 x 2.4	0070509967	24-WDNPSO-38x3-C10
S	38		38 x 4	PN 315	30	56.5	64	20.6	33.3 x 2.4	0070979967	24-WDNPSO-38x4-C10
S	38		38 x 5	PN 315	28	56.5	64	24.5	33.3 x 2.4	0070989967	24-WDNPSO-38x5-C10
S	38		38 x 6	PN 315	26	56.5	64	28.1	33.3 x 2.4	0070999967	24-WDNPSO-38x6-C10
S	38		38 x 7	PN 315	24	56.5	64	31.6	33.3 x 2.4	0070969967	24-WDNPSO-38x7-C10

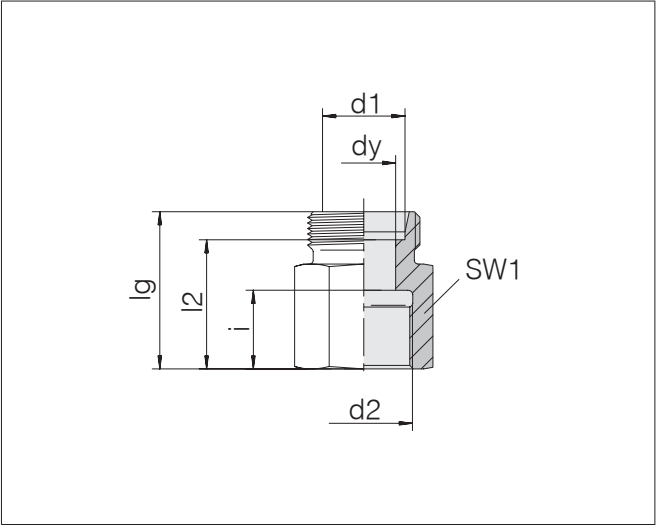
Female and gauge connectors



Female connectors

Female thread: metric fine thread, parallel

Tube coupling: 24° in acc. with ISO 8434-1



Series		d2	Pressure	dy	lg	l2	SW1	i	kg/100 ca.	Order-No.	Designation
Tube OD		d1									
L	6	M 10 x 1	PN 315	4	26.5	19.5	14	12.5	1.8	0743002000	24-S-L6-IM10
L	8	M 10 x 1	PN 315	6	26.5	19.5	14	12.5	1.8	0743062000	24-S-L8-IM10
L	8	M 12 x 1.5	PN 315	6	31	24	17	17	3.1	0743052000	24-S-L8-IM12
L	10	M 14 x 1.5	PN 315	8	32	25	19	17	3.7	0743102000	24-S-L10-IM14
L	12	M 16 x 1.5	PN 315	10	33	26	22	17	5.1	0743152000	24-S-L12-IM16
L	15	M 18 x 1.5	PN 315	12	35	28	24	17	6.5	0743202000	24-S-L15-IM18
L	18	M 22 x 1.5	PN 315	15	37	29.5	30	19	10.9	0743252000	24-S-L18-IM22
L	22	M 26 x 1.5	PN 160	19	42	34.5	32	21	12.1	0743302000	24-S-L22-IM26
L	28	M 33 x 2	PN 160	24	45	37.5	41	24	20.8	0743352000	24-S-L28-IM33
L	35	M 42 x 2	PN 160	30	51	40.5	55	26	45.2	0743402000	24-S-L35-IM42
L	42	M 48 x 2	PN 160	36	53	42	60	28	51.5	0743452000	24-S-L42-IM48
S	6	M 10 x 1	PB 630	4	32.5	25.5	19	16.5	4.8	0743512000	24-S-S6-IM10
S	6	M 12 x 1.5	PB 630	4	33	26	17	17	3.0	0743502000	24-S-S6-IM12
S	8	M 14 x 1.5	PB 630	5	33	26	19	17	4.2	0743552000	24-S-S8-IM14
S	10	M 16 x 1.5	PB 630	7	34	26.5	22	17	5.8	0743602000	24-S-S10-IM16
S	12	M 18 x 1.5	PB 630	8	35	27.5	24	17	6.9	0743652000	24-S-S12-IM18
S	14	M 20 x 1.5	PB 630	10	39	31	27	19	9.6	0743702000	24-S-S14-IM20
S	16	M 22 x 1.5	PB 400	12	39	30.5	30	19	11.5	0743752000	24-S-S16-IM22
S	20	M 27 x 2	PB 400	16	45	34.5	36	22	18.6	0743802000	24-S-S20-IM27
S	25	M 33 x 2	PB 400	20	49	37	41	24	24.1	0743852000	24-S-S25-IM33
S	30	M 42 x 2	PB 400	25	55	41.5	55	26	49.3	0743902000	24-S-S30-IM42
S	38	M 48 x 2	PB 315	32	59	43	60	28	60.5	0743952000	24-S-S38-IM48

Example for comp. :
GAI06LMX

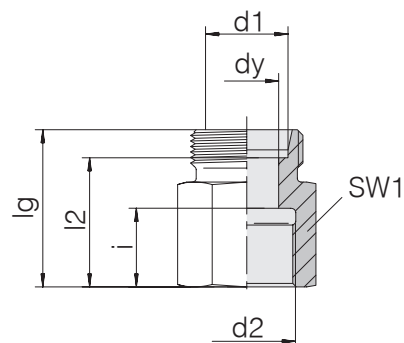


Female connectors

Female thread: BSPP thread, cylindrical

Threaded hole: ISO 1179-1

Tube coupling: 24° in acc. with ISO 8434-1

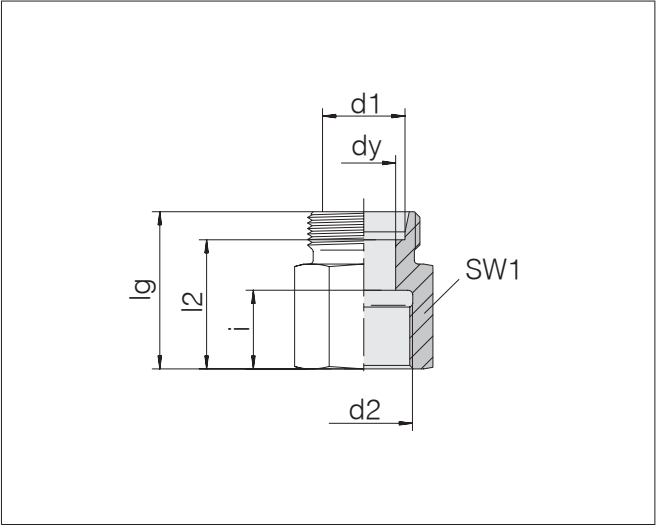


Series	Tube OD	d2	Pressure	dy	lg	l2	SW1	i	kg/100 ca.	Order-No.	Designation
L	6	G 1/8	PN 315	4	26	19	14	12	1.8	0744002000	24-S-L6-IG1/8
L	6	G 1/4	PN 315	4	31	24	19	17	3.7	0744022000	24-S-L6-IG1/4
L	6	G 3/8	PN 315	4	33	26	24	17	6.4	0744032000	24-S-L6-IG3/8
L	8	G 1/4	PN 315	6	31	24	19	17	3.8	0744052000	24-S-L8-IG1/4
L	8	G 3/8	PN 315	6	32	25	24	17	6.2	0744072000	24-S-L8-IG3/8
L	8	G 1/2	PN 315	6	36	29	27	20	7.9	0744082000	24-S-L8-IG1/2
L	10	G 1/4	PN 315	8	32	25	19	17	3.9	0744102000	24-S-L10-IG1/4
L	10	G 3/8	PN 315	8	33	26	24	17	6.2	0744122000	24-S-L10-IG3/8
L	10	G 1/2	PN 315	8	37	30	27	20	8.1	0744132000	24-S-L10-IG1/2
L	12	G 1/4	PN 315	9	32	25	19	17	4.0	0744162000	24-S-L12-IG1/4
L	12	G 3/8	PN 315	10	33	26	24	17	6.2	0744152000	24-S-L12-IG3/8
L	12	G 1/2	PN 315	10	38	31	27	20	8.4	0744172000	24-S-L12-IG1/2
L	15	G 3/8	PN 315	12	34	27	24	17	6.8	0744212000	24-S-L15-IG3/8
L	15	G 1/2	PN 315	12	38	31	27	20	8.6	0744202000	24-S-L15-IG1/2
L	18	G 1/2	PN 315	15	38	30.5	27	20	8.9	0744252000	24-S-L18-IG1/2
L	22	G 3/4	PN 160	19	43	35.5	36	22	17.3	0744302000	24-S-L22-IG3/4
L	28	G 1	PN 160	24	45.5	38	41	24.5	20.9	0744352000	24-S-L28-IG1
L	35	G 1	PN 160	30.5	47.5	37	46	18	32.4	0744412000	24-S-L35-IG1
L	35	G 1 1/4	PN 160	30	51.5	41	55	26.5	45.7	0744402000	24-S-L35-IG11/4
L	42	G 1 1/2	PN 160	36	53.5	42.5	60	28.5	52.8	0744452000	24-S-L42-IG11/2

Female connectors

Female thread: BSPP thread, cylindrical
Threaded hole: ISO 1179-1

Tube coupling: 24° in acc. with ISO 8434-1



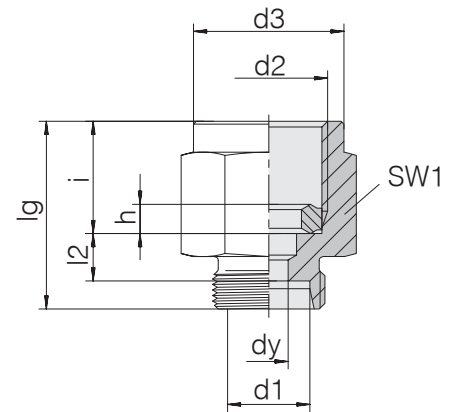
Series	Tube OD	d2	Pressure	dy	lg	l2	SW1	i	kg/100 ca.	Order-No.	Designation
S	6	G 1/4	PB 630	4	33	26	19	17	4.2	0744502000	24-S-S6-IG1/4
S	8	G 1/4	PB 630	5	33	26	19	17	4.4	0744552000	24-S-S8-IG1/4
S	10	G 3/8	PB 630	7	34	26.5	24	17	6.9	0744602000	24-S-S10-IG3/8
S	12	G 1/4	PB 630	8	34	26.5	22	17	6.8	0744662000	24-S-S12-IG1/4
S	12	G 3/8	PB 630	8	34	26.5	24	17	7.1	0744652000	24-S-S12-IG3/8
S	12	G 1/2	PB 630	8	38	30.5	27	20	8.8	0744672000	24-S-S12-IG1/2
S	14	G 1/2	PB 630	10	40	32	27	20	9.4	0744702000	24-S-S14-IG1/2
S	16	G 1/2	PB 400	12	40	31.5	27	20	9.3	0744752000	24-S-S16-IG1/2
S	20	G 3/4	PB 400	16	45	34.5	36	22	18.9	0744802000	24-S-S20-IG3/4
S	25	G 1	PB 400	20	49.5	37.5	41	24.5	24.0	0744852000	24-S-S25-IG1
S	30	G 1 1/4	PB 400	25	55.5	42	55	26.5	50.3	0744902000	24-S-S30-IG1 1/4
S	38	G 1 1/2	PB 315	32	59.5	43.5	60	28.5	61.5	0744952000	24-S-S38-IG1 1/2



Gauge connectors

Female thread: BSPP thread, cylindrical
Sealing type: Seal-edge ring (Form B)

Tube coupling: 24° in acc. with ISO 8434-1



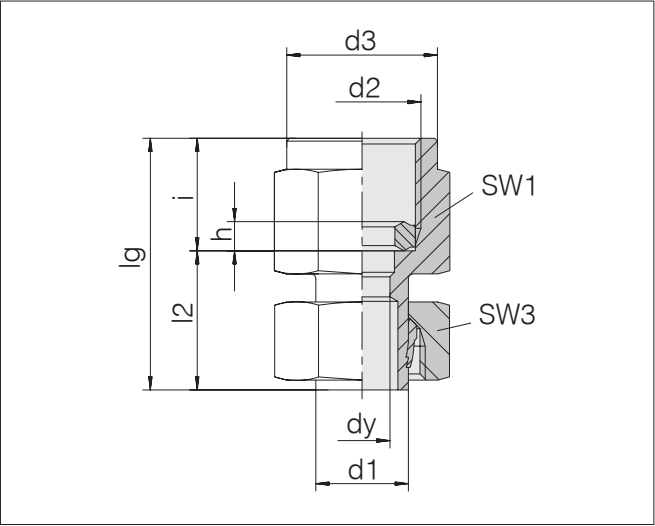
Series	Tube OD	d2	Pressure	d3	dy	lg	l2	SW1	h	i	kg/100 ca.	Order-No.	Designation
L	6	G 1/4	PN 315	18.8	4	29	7.5	19	4.6	14.5	3.4	0142002081	24-PGS-L6-IG1/4B
L	8	G 1/4	PN 315	18.8	4	29	7.5	19	4.6	14.5	3.6	0142052081	24-PGS-L8-IG1/4B
L	10	G 1/4	PN 315	18.8	4	30	8.5	19	4.6	14.5	3.9	0142102081	24-PGS-L10-IG1/4B
L	12	G 1/4	PN 315	18.8	4	30	8.5	19	4.6	14.5	4.0	0142152081	24-PGS-L12-IG1/4B
S	6	G 1/2	PN 630	26.8	4	38	11	27	5.2	20	8.2	0142502081	24-PGS-S6-IG1/2B
S	8	G 1/4	PN 630	18.8	4	31	9.5	19	4.6	14.5	4.2	0142562081	24-PGS-S8-IG1/4B
S	8	G 1/2	PN 630	26.8	5	38	11	27	5.2	20	8.5	0142552081	24-PGS-S8-IG1/2B
S	10	G 1/2	PN 630	26.8	5	38	10.5	27	5.2	20	8.8	0142602081	24-PGS-S10-IG1/2B
S	12	G 1/4	PN 630	21.8	4	31	9	22	4.6	14.5	6.2	0142662081	24-PGS-S12-IG1/4B
S	12	G 1/2	PN 630	26.8	5	38	10.5	27	5.2	20	9.0	0142652081	24-PGS-S12-IG1/2B

Example for comp. :
MAV06LROMD

Gauge connectors

Female thread: BSPP thread, cylindrical
Sealing type: Seal-edge ring (Form B)

Tube socket pre-assembled
fits into bore form W DIN 3861/ISO 8434-1



Series	Tube OD	d2	Pressure	d3	dy	lg	l2	SW1	SW3	h	i	kg/100 ca.	Order-No.	Designation
L	6	G 1/4	PN 315	18.8	2.5	38	23.5	19	14	4.6	14.5	4.8	0142042007	24-SWPGS-L6-IG1/4B
L	8	G 1/4	PN 315	18.8	2.5	38	23.5	19	17	4.6	14.5	5.5	0142092007	24-SWPGS-L8-IG1/4B
L	10	G 1/4	PN 315	18.8	2.5	39.5	25	19	19	4.6	14.5	6.2	0142132007	24-SWPGS-L10-IG1/4B
L	12	G 1/4	PN 315	18.8	2.5	40.5	26	19	22	4.6	14.5	7.4	0142182007	24-SWPGS-L12-IG1/4B
S	6	G 1/2	PN 630	26.8	2.5	45	25	27	17	5.2	20	9.9	0142542007	24-SWPGS-S6-IG1/2B
S	8	G 1/2	PN 630	26.8	3.5	45	25	27	19	5.2	20	10.4	0142592007	24-SWPGS-S8-IG1/2B
S	10	G 1/2	PN 630	26.8	3.5	47	27	27	22	5.2	20	12.0	0142612007	24-SWPGS-S10-IG1/2B
S	12	G 1/2	PN 630	26.8	3.5	47.5	27.5	27	24	5.2	20	12.9	0142692007	24-SWPGS-S12-IG1/2B

Example for comp. :
MAVEV06LR

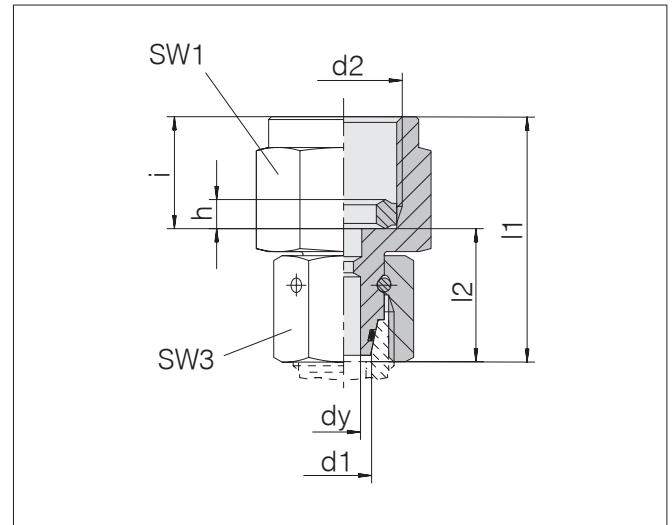


Gauge connectors

Female thread: BSPP thread, cylindrical
Sealing type: Seal-edge ring (Form B)

Plug-in version with taper and O-ring
fits into bore form W DIN 3861/ISO 8434-1

Standard material of O-rings is FKM

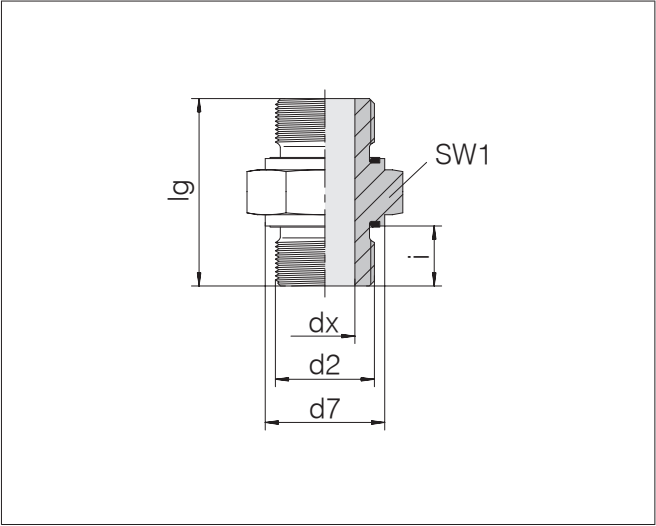


Series	Tube OD	d2	Pressure	dy	l1	l2	SW1	SW3	h	i	kg/100 ca.	Order-No.	Designation
L	6	G 1/4	PN 315	2.5	37.5	23	19	14	4.6	14.5	4.8	1142002058	24-SWOPGS-L6-IG1/4B
L	8	G 1/4	PN 315	4.5	37.5	23	19	17	4.6	14.5	5.5	1142052058	24-SWOPGS-L8-IG1/4B
L	10	G 1/4	PN 315	6	36	21.5	19	19	4.6	14.5	5.8	1142102058	24-SWOPGS-L10-IG1/4B
L	12	G 1/4	PN 315	8	36	21.5	19	22	4.6	14.5	6.9	1142152058	24-SWOPGS-L12-IG1/4B
L	12	G 1/2	PN 315	3.5	42	22	27	22	5.2	20	11.4	1142672058	24-SWOPGS-L12-IG1/2B
L	15	G 1/2	PN 315	3.5	44.5	24.5	27	27	5.2	20	14.2	1142202058	24-SWOPGS-L15-IG1/2B
S	6	G 1/4	PN 630	2.5	35.5	21	19	17	4.6	14.5	5.4	1142522058	24-SWOPGS-S6-IG1/4B
S	6	G 1/2	PN 630	2.5	44.5	24.5	27	17	5.2	20	10.3	1142502058	24-SWOPGS-S6-IG1/2B
S	8	G 1/4	PN 630	4	35.5	21	19	19	4.6	14.5	5.7	1142572058	24-SWOPGS-S8-IG1/4B
S	8	G 1/2	PN 630	4	44.5	24.5	27	19	5.2	20	11.7	1142552058	24-SWOPGS-S8-IG1/2B
S	10	G 1/4	PN 630	2.5	39	24.5	19	22	4.6	14.5	7.8	1142622058	24-SWOPGS-S10-IG1/4B
S	10	G 1/2	PN 630	6	43.5	23.5	27	22	5.2	20	11.3	1142602058	24-SWOPGS-S10-IG1/2B
S	12	G 1/4	PN 630	8	39	24.5	19	24	4.6	14.5	8.2	1142662058	24-SWOPGS-S12-IG1/4B
S	12	G 1/2	PN 630	8	45	25	27	24	5.2	20	12.2	1142652058	24-SWOPGS-S12-IG1/2B

Example for comp. :
MAVE06LRVIT

Double nipple

Male thread tube-to-tube: BSPP thread, cylindrical
Threaded stud: ISO 1179-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR



d2	Pressure	d7	dx	lg	SW1	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
G 1/8 A	PN 500	13.9	4	23	14	8	20	1.5	1794682000	GP-SD2S-G1/8E-G1/8E-ID4
G 1/4 A	PN 630	18.9	5	34	19	12	60	4.0	1794672000	GP-SD2S-G1/4E-G1/4E
G 3/8 A	PN 630	21.9	8	38.5	22	12	90	6.5	1798262000	GP-SD2S-G3/8E-G3/8E
G 1/2 A	PN 630	26.9	10	45	30	14	150	12.2	1798232000	GP-SD2S-G1/2E-G1/2E
G 3/4 A	PN 420	31.9	16	50	36	16	200	17.6	1796692000	GP-SD2S-G3/4E-G3/4E
G 1 A	PN 420	39.9	20	56	41	18	250	29.8	1794662000	GP-SD2S-G1E-G1E
G 1 1/4 A	PN 420	49.9	25	60	50	20	500	49.7	1794652000	GP-SD2S-G11/4E-G11/4E
G 1 1/2 A	PN 420	54.9	32	67	55	22	600	62.0	1794642000	GP-SD2S-G11/2E-G11/2E
G 2 A	PN 160	74.9	40	73	75	24	700	117.4	1794632000	GP-SD2S-G2E-G2E



Double nipple

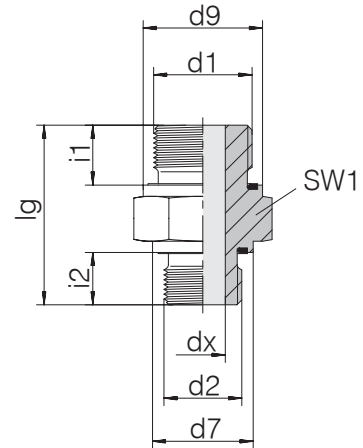
Male thread tube-to-tube: BSPP thread, cylindrical

Threaded stud: ISO 1179-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR

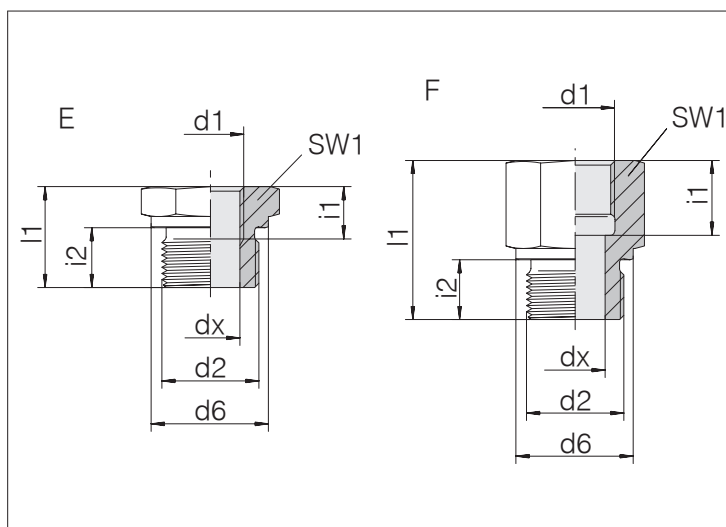
Reduction



d1	d2	Pressure	d7	d9	dx	lg	SW1	i1	i2	Nm -10 % (d1)	kg/100 ca.	Order-No.	Designation
G 1/4 A	G 1/8 A	PN 500	13.9	18.9	4	29.5	19	12	8	60	20	3.2	1794302000 GP-SD2S-G1/4E-G1/8E-ID4
G 3/8 A	G 1/4 A	PN 630	18.9	21.9	5	36.5	22	12	12	90	60	6.1	1794312000 GP-SD2S-G3/8E-G1/4E
G 1/2 A	G 1/4 A	PN 630	18.5	26.9	5	41	27	14	12	150	60	8.9	1790852000 GP-SD2S-G1/2E-G1/4E
G 1/2 A	G 3/8 A	PN 630	21.9	26.9	8	41.5	27	14	12	150	90	10.5	1798882000 GP-SD2S-G1/2E-G3/8E
G 3/4 A	G 3/8 A	PN 420	21.9	31.9	8	46	32	16	12	200	90	15.0	1790842000 GP-SD2S-G3/4E-G3/8E
G 3/4 A	G 1/2 A	PN 420	26.9	31.9	12	48	32	16	14	200	150	16.8	1794322000 GP-SD2S-G3/4E-G1/2E
G 1 A	G 1/2 A	PN 420	26.9	39.9	12	52	41	18	14	250	150	25.7	1790862000 GP-SD2S-G1E-G1/2E
G 1 A	G 3/4 A	PN 420	31.9	39.9	16	54	41	18	16	250	200	29.4	1794332000 GP-SD2S-G1E-G3/4E
G 1 1/4 A	G 1/2 A	PN 420	26.9	49.9	12	54	50	20	14	500	150	40.2	1790822000 GP-SD2S-G11/4E-G1/2E
G 1 1/4 A	G 3/4 A	PN 420	31.9	49.9	16	56	50	20	16	500	200	41.6	1790872000 GP-SD2S-G11/4E-G3/4E
G 1 1/4 A	G 1 A	PN 420	39.9	49.9	20	58	50	20	18	500	250	47.8	1794342000 GP-SD2S-G11/4E-G1E
G 1 1/2 A	G 1 A	PN 420	39.9	54.9	20	63	55	22	18	600	250	55.7	1790832000 GP-SD2S-G11/2E-G1Ê
G 1 1/2 A	G 1 1/4 A	PN 420	49.9	54.9	25	65	55	22	20	600	500	69.5	1794352000 GP-SD2S-G11/2E-G11/4E
G 2 A	G 1 1/2 A	PN 160	54.9	74.9	32	70	75	24	22	700	600	117.6	1794362000 GP-SD2S-G2E-G11/2E

Thread reducing couplings

Male thread: BSPP thread, cylindrical
Threaded stud: DIN ISO 1179-4 Form B
Sealing type: Sealing edge



Male thread d2	Female thread d1	Pressure	d6	dx	l1	SW1	i1	i2	Style	Nm -10 %	kg/100 ca.	Order-No.	Designation
G 1/8 A	G 1/4	PB 630	14	4	31	19	17	8	F	25	3.7	0149012000	GP-SDS-G1/8B-IG1/4
G 1/8 A	G 3/8	PB 630	14	4	32	24	17	8	F	25	6.3	0149002000	GP-SDS-G1/8B-IG3/8
G 1/4 A	G 1/8	PB 630	18	7	30	19	13	12	F	60	4.0	0149052000	GP-SDS-G1/4B-IG1/8-ID7
G 1/4 A	G 3/8	PB 630	18	6	36	24	17	12	F	60	6.6	0149042000	GP-SDS-G1/4B-IG3/8-ID6
G 1/4 A	G 1/2	PB 630	18	5	40	27	20	12	F	60	8.6	0149032000	GP-SDS-G1/4B-IG1/2
G 1/4 A	G 3/4	PB 630	18	5	43	36	22	12	F	60	17.0	0149022000	GP-SDS-G1/4B-IG3/4
G 3/8 A	G 1/8	PB 400	22	8.5	22.5	22	8	12	E	110	3.9	0149092000	GP-SDS-G3/8B-IG1/8
G 3/8 A	G 1/4	PB 400	22	8	36	22	17	12	F	110	7.0	0149082000	GP-SDS-G3/8B-IG1/4
G 3/8 A	G 1/2	PB 400	22	8	41	27	20	12	F	110	9.6	0149072000	GP-SDS-G3/8B-IG1/2
G 3/8 A	G 3/4	PB 400	22	8	44	36	22	12	F	110	17.7	0149062000	GP-SDS-G3/8B-IG3/4
G 1/2 A	G 1/8	PB 400	26	8.5	24	27	8	14	E	200	6.6	0149152000	GP-SDS-G1/2B-IG1/8
G 1/2 A	G 1/4	PB 400	26	11.5	24	27	12	14	E	200	5.5	0149142000	GP-SDS-G1/2B-IG1/4
G 1/2 A	G 3/8	PB 400	26	12	36	27	17	14	F	200	9.1	0149132000	GP-SDS-G1/2B-IG3/8
G 1/2 A	G 3/4	PB 400	26	12	46	36	22	14	F	200	18.2	0149122000	GP-SDS-G1/2B-IG3/4
G 1/2 A	G 1	PB 400	26	12	49	41	24.5	14	F	200	22.1	0149112000	GP-SDS-G1/2B-IG1
G 1/2 A	G 1 1/4	PB 250	26	10	53	55	26.5	14	F	200	48.0	0149102000	GP-SDS-G1/2B-IG11/4
G 3/4 A	G 1/4	PB 400	32	11.5	26	32	12	16	E	320	10.2	0149212000	GP-SDS-G3/4B-IG1/4
G 3/4 A	G 3/8	PB 400	32	15	26	32	12	16	E	320	8.7	0149202000	GP-SDS-G3/4B-IG3/8
G 3/4 A	G 1/2	PB 400	32	16	41	32	20	16	F	320	14.4	0149192000	GP-SDS-G3/4B-IG1/2
G 3/4 A	G 1	PB 400	32	16	51	41	24.5	16	F	320	23.7	0149182000	GP-SDS-G3/4B-IG1
G 3/4 A	G 1 1/4	PB 250	32	16	55	55	26.5	16	F	320	48.7	0149172000	GP-SDS-G3/4B-IG11/4
G 3/4 A	G 1 1/2	PB 250	32	16	57	60	28.5	16	F	320	56.5	0149162000	GP-SDS-G3/4B-IG11/2
G 1 A	G 1/4	PB 400	39	11.5	29	41	12	18	E	500	19.5	0149272000	GP-SDS-G1B-IG1/4
G 1 A	G 3/8	PB 400	39	15	29	41	12	18	E	500	17.9	0149262000	GP-SDS-G1B-IG3/8
G 1 A	G 1/2	PB 400	39	19	29	41	14	18	E	500	15.4	0149252000	GP-SDS-G1B-IG1/2
G 1 A	G 3/4	PB 400	39	20	47	41	22	18	F	500	27.3	0149242000	GP-SDS-G1B-IG3/4
G 1 A	G 1 1/4	PB 250	39	20	57	55	26.5	18	F	500	50.9	0149232000	GP-SDS-G1B-IG11/4
G 1 A	G 1 1/2	PB 250	39	20	59	60	28.5	18	F	500	58.6	0149222000	GP-SDS-G1B-IG11/2

Thread reducing adapters with
metric threads available upon request.

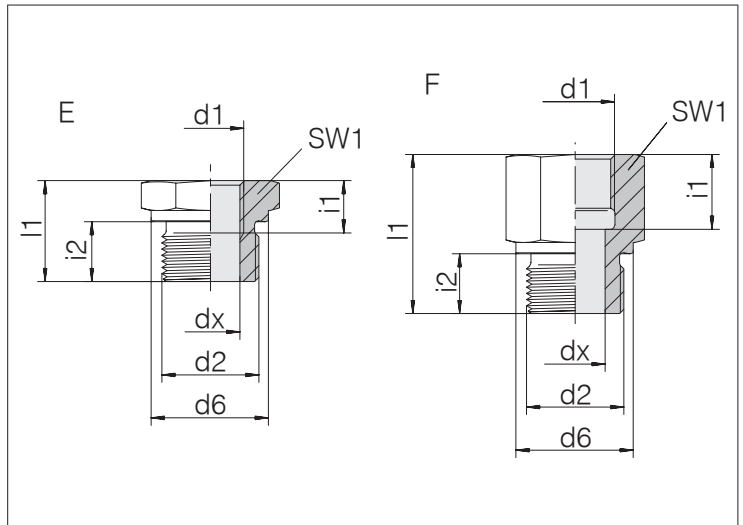
Example for comp. :
R11/8X1/4X

Continued on following page



Thread reducing couplings

Male thread: BSPP thread, cylindrical
Threaded stud: DIN ISO 1179-4 Form B
Sealing type: Sealing edge



Male thread d2	Female thread d1	Pressure	d6	dx	l1	SW1	i1	i2	Style	Nm -10 %	kg/100 ca.	Order-No.	Designation
G 1 1/4 A	G 1/2	PB 250	49	19	32	50	14	20	E	600	31.0	0149312000	GP-SDS-G11/4B-IG1/2
G 1 1/4 A	G 3/4	PB 250	49	24	32	50	16	20	E	600	26.4	0149302000	GP-SDS-G11/4B-IG3/4
G 1 1/4 A	G 1	PB 250	49	25	52	50	24.5	20	F	600	45.8	0149292000	GP-SDS-G11/4B-IG1
G 1 1/4 A	G 1 1/2	PB 250	49	25	60	60	28.5	20	F	600	62.1	0149282000	GP-SDS-G11/4B-IG11/2
G 1 1/2 A	G 1/2	PB 250	55	19	36	55	14	22	E	800	47.8	0149352000	GP-SDS-G11/2B-IG1/2
G 1 1/2 A	G 3/4	PB 250	55	24	36	55	16	22	E	800	42.2	0149342000	GP-SDS-G11/2B-IG3/4
G 1 1/2 A	G 1	PB 250	55	30.5	36	55	18	22	E	800	34.0	0149332000	GP-SDS-G11/2B-IG1
G 1 1/2 A	G 1 1/4	PB 250	55	32	58	55	26.5	22	F	800	52.7	0149322000	GP-SDS-G11/2B-IG11/4

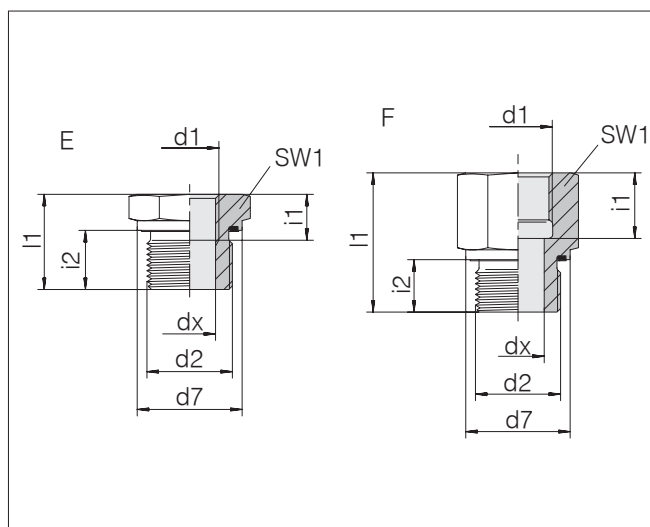
Thread reducing couplings

Male thread: BSPP thread, cylindrical

Threaded stud: ISO 1179-2 Form E

Sealing type: Profile sealing ring PEFLEX

Sealing material: Standard NBR



Male thread d2	Female thread d1	Pressure	d7	dx	l1	SW1	i1	i2	Style	Nm -10 %	kg/100 ca.	Order-No.	Designation
G 1/8 A	G 1/4	PN 630	13.9	4	32.5	19	17	8	F	20	4.2	1149012000	GP-SDS-G1/8E-IG1/4
G 1/8 A	G 3/8	PN 630	13.9	4	33.5	24	17	8	F	20	6.8	1149002000	GP-SDS-G1/8E-IG3/8
G 1/4 A	G 1/8	PN 630	18.9	5	31.5	19	12	12	F	60	4.6	1149052000	GP-SDS-G1/4E-IG1/8
G 1/4 A	G 3/8	PN 630	18.9	5	37.5	24	17	12	F	60	7.3	1149042000	GP-SDS-G1/4E-IG3/8
G 1/4 A	G 1/2	PN 630	18.9	5	41.5	30	20	12	F	60	12.4	1149032000	GP-SDS-G1/4E-IG1/2
G 1/4 A	G 3/4	PN 630	18.9	5	44.5	36	22	12	F	60	18.5	1149022000	GP-SDS-G1/4E-IG3/4
G 3/8 A	G 1/8	PN 630	21.9	8.5	22.5	22	8	12	E	90	3.8	1149092000	GP-SDS-G3/8E-IG1/8
G 3/8 A	G 1/4	PN 630	21.9	8	37.5	22	17	12	F	90	7.2	1149082000	GP-SDS-G3/8E-IG1/4
G 3/8 A	G 1/2	PN 630	21.9	8	42.5	30	20	12	F	90	13.2	1149072000	GP-SDS-G3/8E-IG1/2
G 3/8 A	G 3/4	PN 400	21.9	8	45.5	36	22	12	F	90	19.1	1149062000	GP-SDS-G3/8E-IG3/4
G 1/2 A	G 1/8	PN 630	26.9	8.5	24	27	8	14	E	150	6.5	1149152000	GP-SDS-G1/2E-IG1/8
G 1/2 A	G 1/4	PN 630	26.9	11.5	24	27	12	14	E	150	5.6	1149142000	GP-SDS-G1/2E-IG1/4
G 1/2 A	G 3/8	PN 630	26.9	12	37.5	27	17	14	F	150	9.7	1149132000	GP-SDS-G1/2E-IG3/8
G 1/2 A	G 1/2	PN 630	26.9	12	42	30	20	14	F	150	12.3	1149402000	GP-SDS-G1/2E-IG1/2
G 1/2 A	G 3/4	PN 400	26.9	12	47.5	36	22	14	F	150	19.4	1149122000	GP-SDS-G1/2E-IG3/4
G 1/2 A	G 1	PN 400	26.9	12	50.5	41	24.5	14	F	150	23.7	1149112000	GP-SDS-G1/2E-IG1
G 1/2 A	G 1 1/4	PN 400	26.9	12	54.5	55	26.5	14	F	150	50.3	1149102000	GP-SDS-G1/2E-IG11/4
G 3/4 A	G 1/4	PN 400	31.9	11.5	26	32	12	16	E	200	10.1	1149212000	GP-SDS-G3/4E-IG1/4
G 3/4 A	G 3/8	PN 400	31.9	15	26	32	12	16	E	200	8.5	1149202000	GP-SDS-G3/4E-IG3/8
G 3/4 A	G 1/2	PN 400	31.9	16	42.5	32	20	16	F	200	15.0	1149192000	GP-SDS-G3/4E-IG1/2
G 3/4 A	G 1	PN 400	31.9	16	52.5	41	24.5	16	F	200	24.7	1149182000	GP-SDS-G3/4E-IG1
G 3/4 A	G 1 1/4	PN 400	31.9	16	56.5	55	26.5	16	F	200	51.4	1149172000	GP-SDS-G3/4E-IG11/4
G 3/4 A	G 1 1/2	PN 315	31.9	16	58.5	60	28.5	16	F	200	59.6	1149162000	GP-SDS-G3/4E-IG11/2

Other sizes on
request.

Thread reducing adapters with
metric threads available upon request.

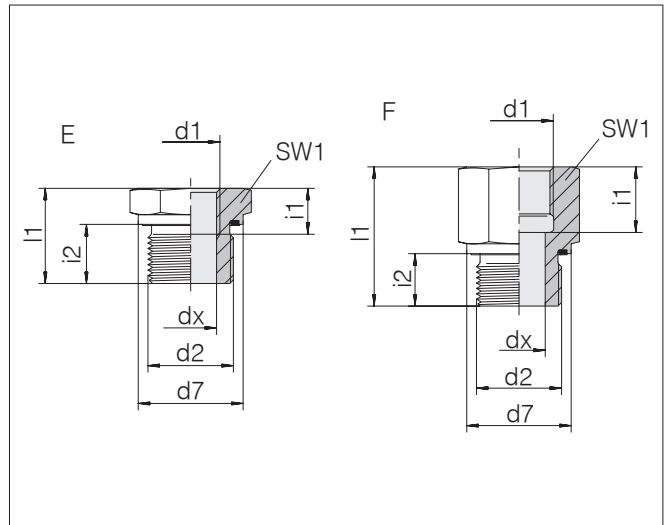
Example for comp. :
R11/8EDX1/4

Continued on following page



Thread reducing couplings

Male thread: BSPP thread, cylindrical
Threaded stud: ISO 1179-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR

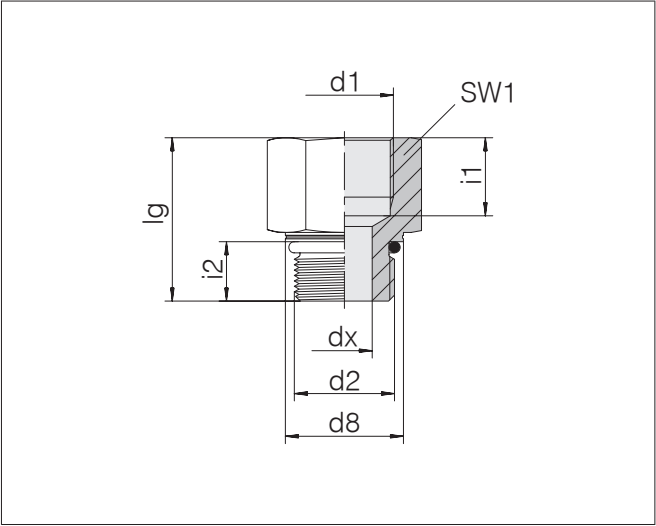


Male thread d2	Female thread d1	Pressure	d7	dx	i1	SW1	i1	i2	Style	Nm -10 %	kg/100 ca.	Order-No.	Designation
G 1 A	G 1/4	PN 400	39.9	11.5	29	41	12	18	E	250	19.3	1149272000	GP-SDS-G1E-IG1/4
G 1 A	G 3/8	PN 400	39.9	15	29	41	12	18	E	250	17.8	1149262000	GP-SDS-G1E-IG3/8
G 1 A	G 1/2	PN 400	39.9	19	29	41	14	18	E	250	15.2	1149252000	GP-SDS-G1E-IG1/2
G 1 A	G 3/4	PN 400	39.9	20	49	41	22	18	F	250	28.6	1149242000	GP-SDS-G1E-IG3/4
G 1 A	G 1 1/4	PN 400	39.9	20	59	55	26.5	18	F	250	54.9	1149232000	GP-SDS-G1E-IG11/4
G 1 A	G 1 1/2	PN 315	39.9	20	61	60	28.5	18	F	250	62.6	1149222000	GP-SDS-G1E-IG11/2
G 1 1/4 A	G 1/2	PN 400	49.9	19	32	50	14	20	E	500	30.9	1149312000	GP-SDS-G11/4E-IG1/2
G 1 1/4 A	G 3/4	PN 400	49.9	24	32	50	16	20	E	500	26.0	1149302000	GP-SDS-G11/4E-IG3/4
G 1 1/4 A	G 1	PN 400	49.9	25	54	50	24.5	20	F	500	48.2	1149292000	GP-SDS-G11/4E-IG1
G 1 1/4 A	G 1 1/2	PN 315	49.9	25	62	60	28.5	20	F	500	65.9	1149282000	GP-SDS-G11/4E-IG11/2
G 1 1/2 A	G 1/2	PN 315	54.9	19	36	55	14	22	E	600	46.7	1149352000	GP-SDS-G11/2E-IG1/2
G 1 1/2 A	G 3/4	PN 315	54.9	24	36	55	16	22	E	600	41.6	1149342000	GP-SDS-G11/2E-IG3/4
G 1 1/2 A	G 1	PN 315	54.9	30.5	36	55	18	22	E	600	33.6	1149332000	GP-SDS-G11/2E-IG1
G 1 1/2 A	G 1 1/4	PN 315	54.9	32	60	55	26.5	22	F	600	55.3	1149322000	GP-SDS-G11/2E-IG11/4
G 2 A	G 1/2	PN 160	74.9	19	45	75	14	24	E	700	117.1	1149682000	GP-SDS-G2E-IG1/2
G 2 A	G 1	PN 160	74.9	30.5	45	75	18	24	E	700	101.9	1149692000	GP-SDS-G2E-IG1
G 2 A	G 1 1/4	PN 160	74.9	39	45	75	26.5	24	E	700	85.2	1149702000	GP-SDS-G2E-IG11/4
G 2 A	G 1 1/2	PN 160	74.9	40	65	75	28.5	24	F	700	131.0	1149672000	GP-SDS-G2E-IG11/2

Other sizes on
request.

Straight adapter ISO 6149 / DIN 3852

Male thread: Metric fine thread, cylindrical
Threaded stud: ISO 6149-2/3
Sealing type: O-Ring (Form F)
Sealing material: Standard NBR



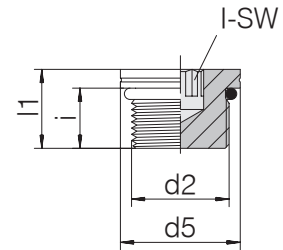
Male thread d2	Female thread d1	Pressure	d8	dx	lg	SW1	i1	i2	Nm -10 %	kg/100 ca.	Order-No.	Designation
M 10 x 1	M 10 x 1	PB 630	13.8	3	24	17	11	8.5	15	2.6	1149542000	GP-SDS-M10F-IM10
M 12 x 1.5	M 12 x 1.5	PB 630	16.8	4	31.5	19	16	11	25	4.4	1149552000	GP-SDS-M12F-IM12
M 14 x 1.5	M 14 x 1.5	PB 630	18.8	6	31.5	22	16	11	35	5.6	1149562000	GP-SDS-M14F-IM14
M 16 x 1.5	M 16 x 1.5	PB 630	21.8	7	33	24	16	11.5	40	7.1	1149572000	GP-SDS-M16F-IM16
M 18 x 1.5	M 18 x 1.5	PB 630	23.8	9	34	27	16	12.5	45	8.8	1149582000	GP-SDS-M18F-IM18
M 22 x 1.5	M 22 x 1.5	PB 630	26.8	12	37	32	18	13	60	13.0	1149592000	GP-SDS-M22F-IM22
M 27 x 2	M 26 x 1.5	PB 400	31.8	15	44	36	21	16	100	19.4	1149602000	GP-SDS-M27F-IM26
M 27 x 2	M 27 x 2	PB 400	31.8	15	44	36	21	16	100	19.0	1149612000	GP-SDS-M27F-IM27
M 33 x 2	M 33 x 2	PB 400	40.8	20	46	46	23	16	160	32.0	1149622000	GP-SDS-M33F-IM33
M 42 x 2	M 42 x 2	PB 250	49.8	26	49	55	25	16	210	46.7	1149632000	GP-SDS-M42F-IM42
M 48 x 2	M 48 x 2	PB 250	54.8	32	53.5	60	27	17.5	260	56.5	1149642000	GP-SDS-M48F-IM48

Other sizes on
request.



Blanking plugs for ports

Male thread: Metric fine thread, cylindrical
 Threaded stud: ISO 6149-2/3
 Sealing type: O-Ring (Form F)
 Sealing material: Standard NBR



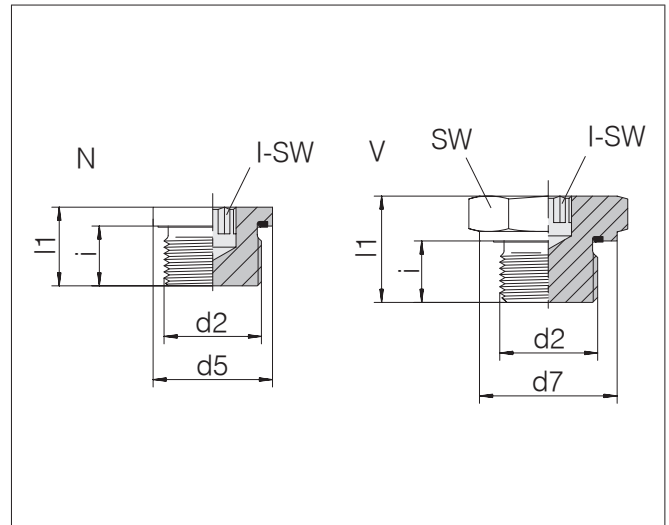
d2	Pressure	d5	l1	I-SW	i	Nm -10 %	kg/100 ca.	Order-No.	Designation
M 10 x 1	PN 630	14	13	5	9.5	18	0.8	0190012100	GP-PLIH-M10F-C21
M 12 x 1.5	PN 630	17	15.5	6	11	40	1.4	0190022100	GP-PLIH-M12F-C21
M 14 x 1.5	PN 630	19	16	6	11	55	2.0	0190032100	GP-PLIH-M14F-C21
M 16 x 1.5	PN 630	22	17.5	8	12.5	70	2.8	0190042100	GP-PLIH-M16F-C21
M 18 x 1.5	PN 630	24	19	8	14	90	3.9	0190052100	GP-PLIH-M18F-C21
M 22 x 1.5	PN 630	27	20	10	15	130	5.7	0190072100	GP-PLIH-M22F-C21
M 26 x 1.5	PN 400	31	21	12	16	150	8.0	0190102100	GP-PLIH-M26F-C21
M 27 x 2	PN 400	32	23.5	12	18.5	180	9.6	0190202100	GP-PLIH-M27F-C21
M 33 x 2	PN 400	41	24.5	17	18.5	310	15.1	0190182100	GP-PLIH-M33F-C21
M 42 x 2	PN 400	50	25	17	19	400	26.2	0190132100	GP-PLIH-M42F-C21
M 48 x 2	PN 400	55	27.5	17	21.5	500	37.9	0190142100	GP-PLIH-M48F-C21

Other sizes on
request.

Example for comp. :
VST110X10R

Blanking plugs for ports

Male thread: Metric fine thread, cylindrical
 Threaded stud: ISO 9974-2 Form E
 Sealing type: Profile sealing ring PEFLEX
 Sealing material: Standard NBR



d2	Pressure	d5	d7	l1	SW	I-SW	i	Style	Nm -10 %	kg/100 ca.	Order-No.	Designation
M 8 x 1	PN 400	12		12.3	4	8	N	10	0.5		0189142100	GP-PLIH-M8E-C21
M 10 x 1	PN 400	14		12.3	5	8	N	12	0.7		0189202100	GP-PLIH-M10E-C21
M 10 x 1	PN 400		13.9	18	14	8	V	12	1.6		1189202100	GP-PLIH-M10E-C21
M 12 x 1.5	PN 400	17		17.3	6	12	N	23	1.4		0189212100	GP-PLIH-M12E-C21
M 14 x 1.5	PN 400	19		17.3	6	12	N	30	1.9		0189222100	GP-PLIH-M14E-C21
M 14 x 1.5	PN 400		18.9	22	19	12	V	30	3.4		1189222100	GP-PLIH-M14E-C21
M 16 x 1.5	PN 400	21.9		17.3	8	12	N	50	2.4		0189232100	GP-PLIH-M16E-C21
M 18 x 1.5	PN 400	23.9		17.3	8	12	N	65	3.2		0189242100	GP-PLIH-M18E-C21
M 18 x 1.5	PN 400		23.9	22	24	12	V	65	5.6		1189242100	GP-PLIH-M18E-C21
M 20 x 1.5	PN 400	25.9		19.3	10	14	N	75	4.0		0189252100	GP-PLIH-M20E-C21
M 22 x 1.5	PN 400	27		19.3	10	14	N	90	5.0		0189262100	GP-PLIH-M22E-C21
M 24 x 1.5	PN 400	29.9		19.3	12	14	N	90	5.8		0189272100	GP-PLIH-M24E-C21
M 26 x 1.5	PN 400	31.9		21.3	12	16	N	110	7.4		0189282100	GP-PLIH-M26E-C21
M 27 x 2	PN 400	32		21.3	12	16	N	130	7.7		0189292100	GP-PLIH-M27E-C21
M 33 x 2	PN 400	39.9		22.8	17	16	N	225	12.4		0189302100	GP-PLIH-M33E-C21
M 33 x 2	PN 400		46	33	46	17	V	250	27.4		1189302100	GP-PLIH-M33E-C21
M 42 x 2	PN 315	49.9		22.8	22	16	N	310	18.6		0189312100	GP-PLIH-M42E-C21
M 42 x 2	PN 400		57	38	60	22	V	400	53.4		1189312100	GP-PLIH-M42E-C21
M 48 x 2	PN 315	55		22.8	24	16	N	380	24.4		0189322100	GP-PLIH-M48E-C21
M 48 x 2	PN 400		64	40	65	22	V	500	69.2		1189322100	GP-PLIH-M48E-C21

Other sizes on
request.

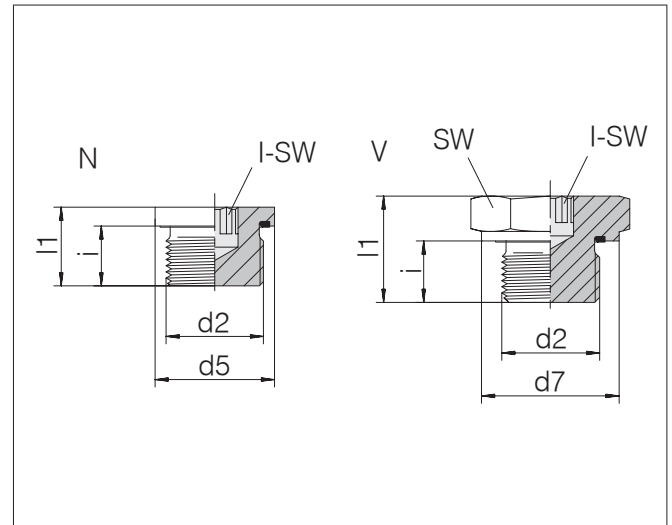
Example for comp. :
VSTI8X1ED

Threaded ports as per
ISO 9974-1/
DIN 3852. form X.
d5 = d4 narrow



Blanking plugs for ports

Male thread: BSPP thread, cylindrical
Threaded stud: ISO 1179-2 Form E
Sealing type: Profile sealing ring PEFLEX
Sealing material: Standard NBR



d2	Pressure	d5	d7	l1	SW	I-SW	i	Style	Nm -10 %	kg/100 ca.	Order-No.	Designation
G 1/8 A	PN 400	14		12.3		5	8	N	12	0.7	0189332100	GP-PLIH-G1/8E-C21
G 1/4 A	PN 400	18.9		17.3		6	12	N	25	1.8	0189342100	GP-PLIH-G1/4E-C21
G 3/8 A	PN 400	22		17.3		8	12	N	50	2.7	0189352100	GP-PLIH-G3/8E-C21
G 1/2 A	PN 400	26.9		19.3		10	14	N	70	4.4	0189362100	GP-PLIH-G1/2E-C21
G 3/4 A	PN 400	32		21.3		12	16	N	120	7.5	0189372100	GP-PLIH-G3/4E-C21
G 1 A	PN 400	39.9		22.8		17	16	N	200	12.3	0189382100	GP-PLIH-G1E-C21
G 1 A	PN 400		46	33	46	17	18	V	250	27.2	1189382100	GP-PLIH-G1E-C21
G 1 1/4 A	PN 315	49.9		22.8		22	16	N	320	19.4	0189392100	GP-PLIH-G11/4E-C21
G 1 1/4 A	PN 400	49.9		28		22	20	N	450	27.2	1189412100	GP-PLIH-G11/4E-PN400-C21
G 1 1/4 A	PN 400		57	38	60	22	20	V	400	54.3	1189392100	GP-PLIH-G11/4E-C21
G 1 1/2 A	PN 315	55		22.8		24	16	N	400	25.2	0189402100	GP-PLIH-G11/2E-C21
G 1 1/2 A	PN 400	55		30		24	22	N	600	37.5	1189422100	GP-PLIH-G11/2E-PN400-C21
G 1 1/2 A	PN 400		64	40	65	24	22	V	500	69.3	1189402100	GP-PLIH-G11/2E-C21
G 2 A	PN 250	75		34		32	24	N	650	68.7	1189572100	GP-PLIH-G2E-C21

Other sizes on request.

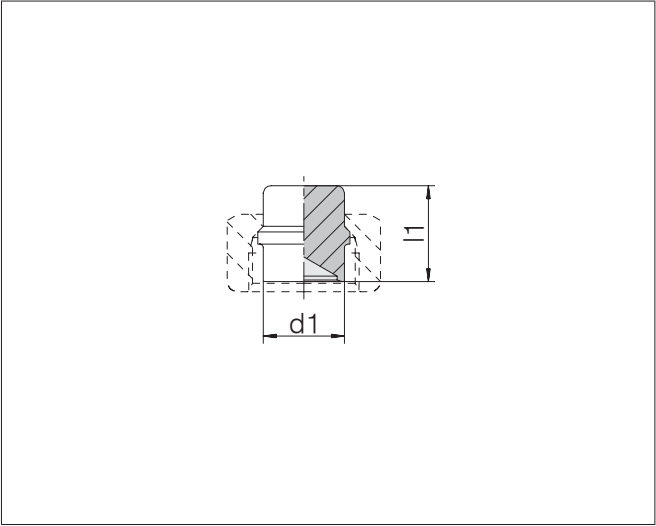
Example for comp. :
VST11/8ED

Threaded ports as per
ISO 9974-1/
DIN 3852, form X.
d5 = d4 narrow

Caps

With sealing edge
fit in bore type W DIN 3861/ISO 8434-1

For blind connections of tube couplings



Series Tube OD d1		Pressure	l1	kg/100 ca.	Order-No.	Designation
L/S	6	PN 315/630	19.5	0.5	0793652000	24-PLB-L/S6
L/S	8	PN 315/630	19.5	0.8	0793662000	24-PLB-L/S8
L/S	10	PN 315/630	21	1.3	0793672000	24-PLB-L/S10
L/S	12	PN 315/630	21.8	2.0	0793682000	24-PLB-L/S12
L	15	PN 315	22	3.0	0793692000	24-PLB-L15
L	18	PN 315	24	4.6	0793702000	24-PLB-L18
L	22	PN 160	26	7.4	0793712000	24-PLB-L22
L	28	PN 160	26.5	11.5	0793722000	24-PLB-L28
L	35	PN 160	32	22.1	0793732000	24-PLB-L35
L	42	PN 160	32.5	31.5	0793742000	24-PLB-L42
S	14	PN 630	23.5	2.9	0793792000	24-PLB-S14
S	16	PN 400	25.5	4.0	0793802000	24-PLB-S16
S	20	PN 400	30.5	7.4	0793812000	24-PLB-S20
S	25	PN 400	32.5	11.8	0793822000	24-PLB-S25
S	30	PN 400	35.5	18.3	0793832000	24-PLB-S30
S	38	PN 315	40	33.1	0793842000	24-PLB-S38

Example for comp. :
BUZ06LX

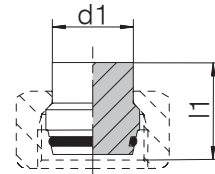


Caps

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

For blind connections of tube couplings

Standard O-ring material is FKM



Series Tube OD d1	Pressure	l1	kg/100 ca.	Order-No.	Designation
L/S 6	PN 500/800	18.5	0.6	1793142058	24-PLO-L/S6
L/S 8	PN 500/800	19	1.0	1793152058	24-PLO-L/S8
L/S 10	PN 500/800	21	1.6	1793162058	24-PLO-L/S10
L/S 12	PN 400/630	20.5	2.2	1793172058	24-PLO-L/S12
L 15	PN 400	20.5	3.2	1793082058	24-PLO-L15
L 18	PN 400	23.5	5.1	1793092058	24-PLO-L18
L 22	PN 250	26	8.1	1793102058	24-PLO-L22
L 28	PN 250	26.5	13.0	1793112058	24-PLO-L28
L 35	PN 250	32	24.0	1793122058	24-PLO-L35
L 42	PN 250	32.5	34.6	1793132058	24-PLO-L42
S 14	PN 630	24	3.2	1793182058	24-PLO-S14
S 16	PN 630	25	4.1	1793192058	24-PLO-S16
S 20	PN 420	30.5	8.0	1793202058	24-PLO-S20
S 25	PN 420	32.5	12.4	1793212058	24-PLO-S25
S 30	PN 420	35.5	18.2	1793222058	24-PLO-S30
S 38	PN 420	40.5	31.5	1793232058	24-PLO-S38

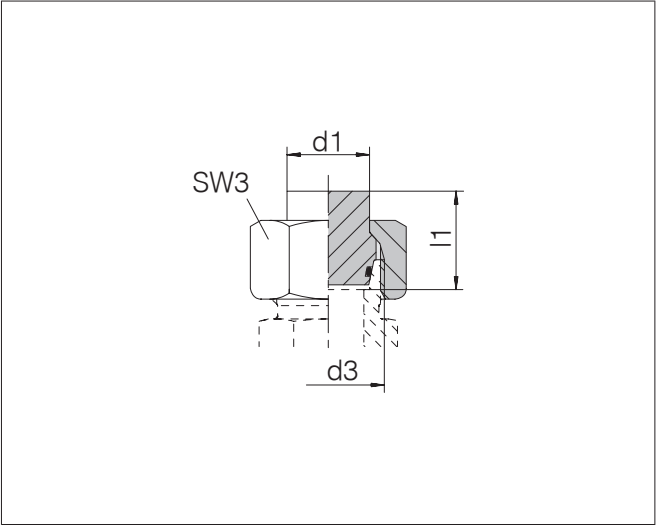
Example for comp. :
VKA06VIT

Caps

With taper and O-ring
fit in bore type W DIN 3861/ISO 8434-1

For blind connections of tube couplings

Standard O-ring material is FKM



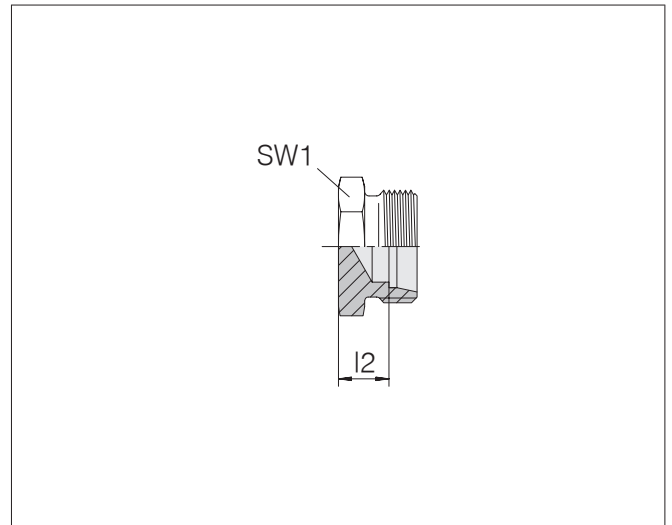
Series		d3	Pressure	l1	SW3	kg/100 ca.	Order-No.	Designation
Tube OD		d1						
L	6	M 12 x 1.5	PN 500	18.5	14	1.6	1193042058	24-PLOC-L6
L	8	M 14 x 1.5	PN 500	19	17	2.5	1193052058	24-PLOC-L8
L	10	M 16 x 1.5	PN 500	21	19	3.4	1193062058	24-PLOC-L10
L	12	M 18 x 1.5	PN 400	21.5	22	4.8	1193072058	24-PLOC-L12
L	15	M 22 x 1.5	PN 400	20.5	27	7.5	1193082058	24-PLOC-L15
L	18	M 26 x 1.5	PN 400	23.5	32	11.4	1193092058	24-PLOC-L18
L	22	M 30 x 2	PN 250	26	36	16.3	1193102058	24-PLOC-L22
L	28	M 36 x 2	PN 250	26.5	41	21.7	1193112058	24-PLOC-L28
L	35	M 45 x 2	PN 250	32	50	37.4	1193122058	24-PLOC-L35
L	42	M 52 x 2	PN 250	32.5	60	55.9	1193132058	24-PLOC-L42
S	6	M 14 x 1.5	PN 800	18.5	17	2.4	1193142058	24-PLOC-S6
S	8	M 16 x 1.5	PN 800	19	19	3.1	1193152058	24-PLOC-S8
S	10	M 18 x 1.5	PN 800	21	22	4.7	1193162058	24-PLOC-S10
S	12	M 20 x 1.5	PN 630	21.5	24	5.7	1193172058	24-PLOC-S12
S	14	M 22 x 1.5	PN 630	24	27	8.5	1193182058	24-PLOC-S14
S	16	M 24 x 1.5	PN 630	25	30	10.7	1193192058	24-PLOC-S16
S	20	M 30 x 2	PN 420	30.5	36	18.3	1193202058	24-PLOC-S20
S	25	M 36 x 2	PN 420	32.5	46	33.0	1193212058	24-PLOC-S25
S	30	M 42 x 2	PN 420	35.5	50	39.8	1193222058	24-PLOC-S30
S	38	M 52 x 2	PN 420	40.5	60	62.8	1193232058	24-PLOC-S38

Example for comp. :
VKAM06LVIT



Plugs

Tube coupling: 24° in acc. with ISO 8434-1



Series Tube OD	Pressure	l2	SW1	kg/100 ca.	Order-No.	Designation
L 6	PN 315	7	12	0.8	0793342000	24-TBS-L6
L 8	PN 315	8	14	1.2	0793352000	24-TBS-L8
L 10	PN 315	9	17	1.6	0793362000	24-TBS-L10
L 12	PN 315	10	19	2.2	0793372000	24-TBS-L12
L 15	PN 315	11	24	3.8	0793382000	24-TBS-L15
L 18	PN 315	11.5	27	5.4	0793392000	24-TBS-L18
L 22	PN 160	13.5	32	7.7	0793402000	24-TBS-L22
L 28	PN 160	14.5	41	13.3	0793412000	24-TBS-L28
L 35	PN 160	14.5	46	20.1	0793422000	24-TBS-L35
L 42	PN 160	18.5	55	34.0	0793432000	24-TBS-L42
S 6	PN 630	11	14	1.6	0793442000	24-TBS-S6
S 8	PN 630	13	17	2.6	0793452000	24-TBS-S8
S 10	PN 630	12.5	19	3.1	0793462000	24-TBS-S10
S 12	PN 630	14.5	22	4.5	0793472000	24-TBS-S12
S 14	PN 630	16	24	5.9	0793482000	24-TBS-S14
S 16	PN 400	15.5	27	6.8	0793492000	24-TBS-S16
S 20	PN 400	17.5	32	12.0	0793502000	24-TBS-S20
S 25	PN 400	20	41	21.3	0793512000	24-TBS-S25
S 30	PN 400	20.5	46	28.1	0793522000	24-TBS-S30
S 38	PN 315	23	55	49.8	0793532000	24-TBS-S38

Example for comp. :
ROV06LX