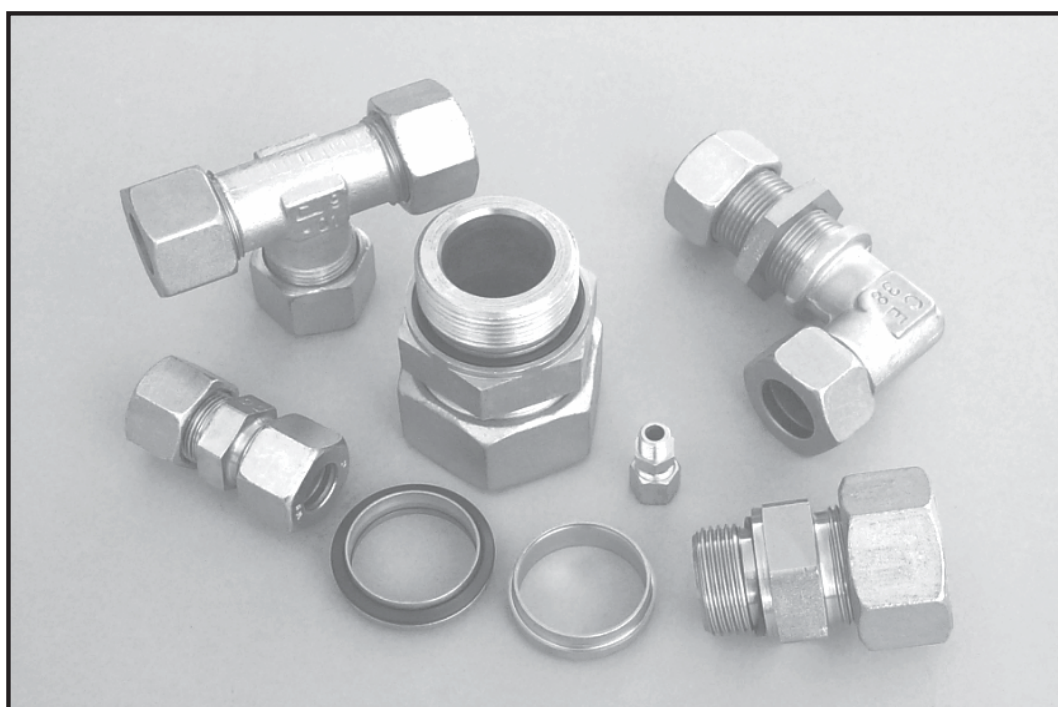


STEEL TUBE FITTINGS

DIN 2353 / ISO 8434-1



Specifications for Steel Tube Fittings

Steel Tube Fittings manufactured by our European suppliers conform to **DIN 2353**

All fittings are manufactured from either drawn or pressed steel (both, either cold or hot treatment).

Cutting rings are submitted to heat treatment which enhances their mechanical characteristics, leaving their elasticity almost unchanged.

Standards:

Tube connection side: DIN 3861 and ISO 8434

Male studs and port tappings:

Metric:	DIN 3852, part 1 form B
BSP thread:	DIN 3852, part 2 form B
Metric (ED Seal):	DIN 3852, part 1 form E
BSP thread (ED Seal):	DIN 3852, part 2 form E
NPT Thread:	ANSI/ASME B1.20.1-1983
UNF/UNC:	SAE J 514

Swivel Nuts and Weld fittings: DIN 3865

Corrosion proofing:

Steel Fittings: Zinc - Nickel

Safety Factor: 4:1 (Static operation at 120°C)

Steel Fittings: In accordance to DIN3859

Stainless Steel Fittings: X6CrNiMoTi 17122 in accordance with DIN 17 4400, Material 1.4571 (AISI 316)

Nominal Pressures (DIN 2401, Part 1):

<i>Progressive / double edge ferrule only</i>		
LL	4 - 8mm	100 bar
L	6 - 18mm	315 bar
	22 - 42mm	160 bar
S	6 - 14mm	630 bar
	16 - 30mm	400 bar
	38mm	315 bar

Temperature Limitations:

Fittings:

Steel:	-40 to +120 °C (DIN 3859)
Stainless Steel:	-60 to +400 °C

Seals:

NBR (Perbunan):	-35 to +100 °C(Standard seal)
FPM (Viton):	-60 to +200 °C
PTFE (Teflon):	-60 to +200 °C

Temperature limitations vary with medium being carried.

Pressure Reductions:

Steel:	-40 to +120°C	no reduction
Stainless Steel:	-60 to +20 °C	no reduction
	+ 50°C	4%
	+100°C	11%
	+200°C	20%
	+300°C	29%
	+400°C	33%

STEEL TUBE FITTINGS

Steel Tube Fittings – Standard Sizes and Pressures (Progressive / Double Edge Ferrule Only)

All fittings listed in this price list are supplied with the standard Progressive Ferrules (double bite).

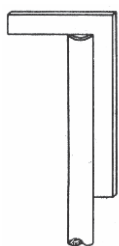
Series	NP (Bar)	Tube Dia.	Nut Thread	Standard Thread				
				BSP	Metric	NPT	UNF	UNC
LL	100	4	8 x1	1/8	8x1	1/8	-	-
		6	10x1	1/8	10x1	1/8	-	-
		8	12x1	1/8	10x1	1/8	-	-
		10	14x1	1/4	-	-	-	-
		12	16x1	3/8	-	-	-	-
L	315	6	12x1.5	1/8	10x1	1/8	-	-
		8	14x1.5	1/4	12x1.5	1/4	7/16 - 20	-
		10	16x1.5	1/4	14x1.5	1/4	7/16 - 20	-
		12	18x1.5	3/8	16x1.5	3/8	9/16 - 18 3/4 - 16 7/8 - 14	-
		15	22x1.5	1/2	18x1.5	1/2	3/4 - 16	-
		18	26x1.5	1/2	22x1.5	1/2	3/4 - 16 7/8 - 14	-
	160	22	30x2	3/4	26x1.5	3/4	7/8 - 14	1 1/16 -12 1 5/16 -12
		28	36x2	1"	33x2	1"	-	1 1/16 -12 1 5/16 -12
		35	45x2	1 1/4	42x2	1 1/4	-	1 5/16 -12 1 5/8 - 12
		42	52x2	1 1/2	48x2	1 1/2	-	1 5/8 - 12
	630	6	14x1.5	1/4	12x1.5	1/4	-	-
		8	16x1.5	1/4	14x1.5	1/4	7/16 - 20	-
		10	18x1.5	3/8	16x1.5	3/8	9/16 - 18	-
		12	20x1.5	3/8	18x1.5	3/8	9/16 - 18 3/4 - 16	-
		14	22x1.5	1/2	20x1.5	1/2	-	-
		16	24x1.5	1/2	22x1.5	1/2	3/4 - 16 7/8 - 14	-
		20	30x2	3/4	27x2	3/4	3/4 - 16 7/8 - 14	1 1/16 -12
		25	36x2	1"	33x2	1"	-	1 1/16 -12 1 5/16 -12
		30	42x2	1 1/4	42x2	1 1/4	-	1 5/16 -12 1 5/8 - 12
	315	38	52x2	1 1/2	48x2	1 1/2	-	1 5/8 - 12
S	400	16	24x1.5	1/2	22x1.5	1/2	3/4 - 16 7/8 - 14	-
		20	30x2	3/4	27x2	3/4	3/4 - 16 7/8 - 14	1 1/16 -12
		25	36x2	1"	33x2	1"	-	1 1/16 -12 1 5/16 -12
		30	42x2	1 1/4	42x2	1 1/4	-	1 5/16 -12 1 5/8 - 12
		35	45x2	1 1/4	42x2	1 1/4	-	1 5/16 -12 1 5/8 - 12
	630	6	14x1.5	1/4	12x1.5	1/4	-	-
		8	16x1.5	1/4	14x1.5	1/4	7/16 - 20	-
		10	18x1.5	3/8	16x1.5	3/8	9/16 - 18	-
		12	20x1.5	3/8	18x1.5	3/8	9/16 - 18 3/4 - 16	-
		14	22x1.5	1/2	20x1.5	1/2	-	-

⌘ All information, technical or otherwise is given without obligation. Specifications subject to change without prior notice.

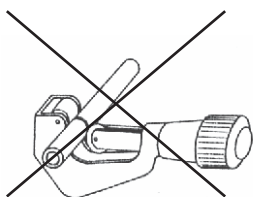
STEEL TUBE FITTINGS

Assembly Instructions

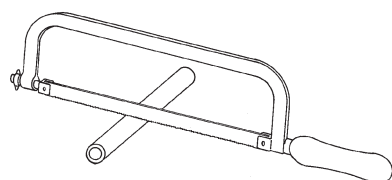
1. Cut tubing at right angles.



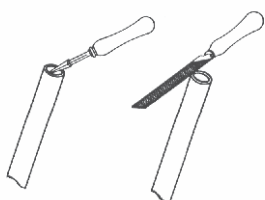
2. Do not use tube cutters.



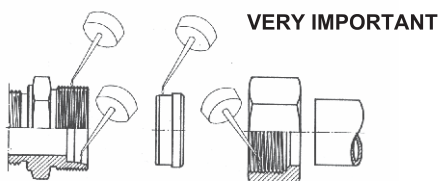
3. Use hack-saws for cutting tubes.



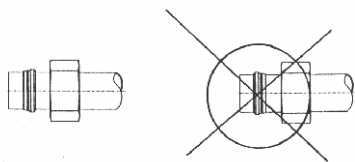
4. Debur the tube on inside and outside



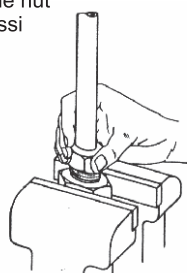
5. Lubricate nut, cutting ring and seat with oil (not grease).



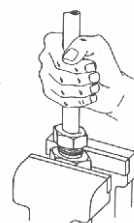
6. The cutting-edge of the cutting-ring faces the end of the tube.



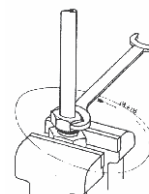
7. Hand tighten the nut as much as possible



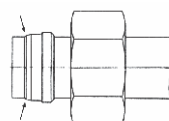
8. Press the tube against the stop in the coupling body.



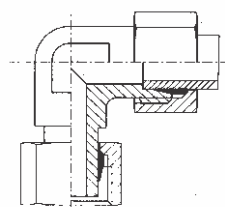
9. Tighten the nut about 1 ¼ to 1 ½ turns. To count the number of turns, mark the tube and nut. The tube must not turn.



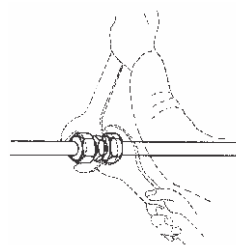
10. Loosen the nut and check if a clearly visible collar can be seen in front of the first cutting edge. It is acceptable for the cutting-ring to rotate on the tube.



11. For all fittings with standpipes, the pre-assembly is made with suitable tools. For final application tightening, turn the nut ½ a turn past the point of clearly perceivable resistance



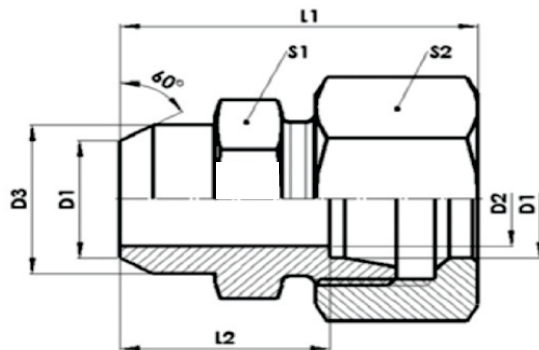
12. After dismantling the tube ends for inspection they should be re-fitted into the same inner cone of the fitting body in which assembly was carried out.



13. On re-assembly, re-tighten the nut firmly.

STEEL TUBE FITTINGS

AS - WELDING COUPLING



AS - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

AS - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

D - PROGRESSIVE FERRULE

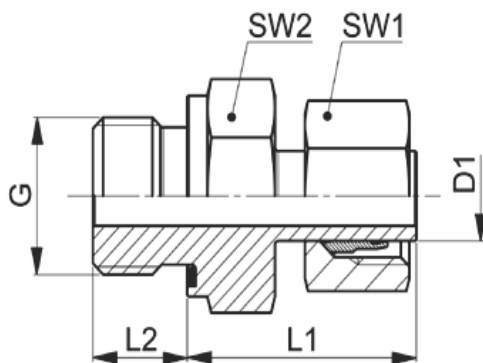


D - 04LL
- 06LL
- 08LL

D - 06L/S
- 08L/S
- 10L/S
- 12L/S
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

D - 14S
- 16S
- 20S
- 25S
- 30S
- 38S

EVGE - BSP -ed - MALE STUD STANDPIPE

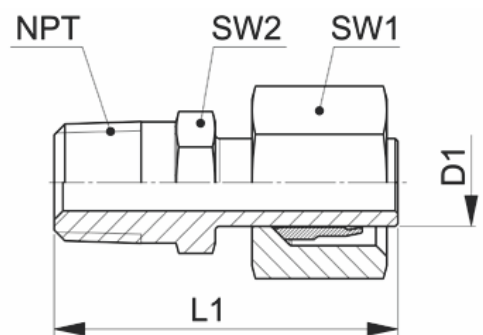


EVGE - 06LR - 1/8 - ed
- 08LR - 1/4 - ed
- 10LR - 1/4 - ed
- 12LR - 1/4 - ed
- 12LR - 3/8 - ed
- 12LR - 1/2 - ed
- 15LR - 3/8 - ed
- 15LR - 1/2 - ed
- 18LR - 1/2 - ed
- 22LR - 3/4 - ed
- 28LR - 1" - ed
- 35LR - 1 1/4 - ed
- 42LR - 1 1/2 - ed

EVGE - 06SR - 1/4 - ed
- 08SR - 1/4 - ed
- 10SR - 3/8 - ed
- 12SR - 3/8 - ed
- 12SR - 1/2 - ed
- 14SR - 1/2 - ed
- 16SR - 1/2 - ed
- 20SR - 3/4 - ed
- 25SR - 1" - ed
- 30SR - 1 1/4 - ed
- 38SR - 1 1/2 - ed

Also available in Metric

EVGE - NPT - MALE STUD STANDPIPE

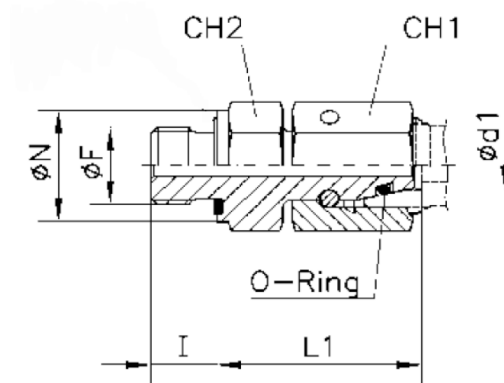


EVGE - 06L - 1/8
- 08L - 1/4
- 10L - 1/4
- 12L - 3/8
- 15L - 1/2
- 18L - 1/2
- 22L - 3/4
- 28L - 1"
- 35L - 1 1/4
- 42L - 1 1/2

EVGE - 06S - 1/4
- 08S - 1/4
- 10S - 3/8
- 12S - 3/8
- 16S - 1/2
- 20S - 3/4
- 25S - 1"
- 30S - 1 1/4
- 38S - 1 1/2

STEEL TUBE FITTINGS

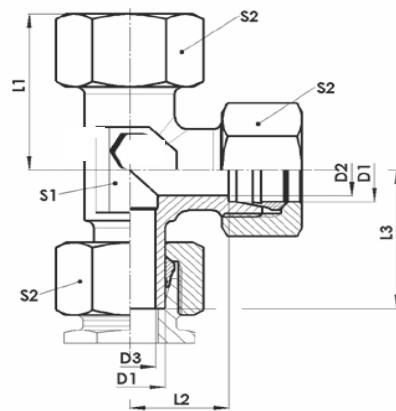
EGE - MALE STUD STANDPIPE O-RING



EGE - 06LR-ED
 - 08L
 - 10L
 - 12L
 - 15L
 - 18L
 - 22L
 - 28L
 - 35L
 - 42L

EGE - 06SR-ED
 - 08S
 - 10S
 - 12S
 - 14S
 - 16S
 - 20S
 - 25S
 - 30S
 - 38S

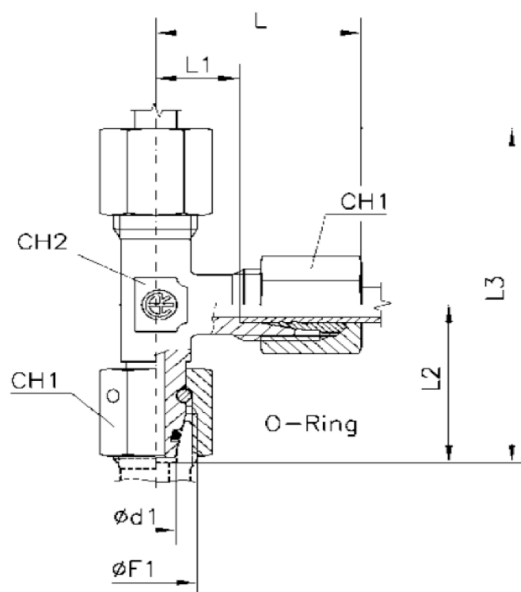
EVL - STANDPIPE BARREL TEE



EVL - 06L
 - 08L
 - 10L
 - 12L
 - 15L
 - 18L
 - 22L
 - 28L
 - 35L
 - 42L

EVL - 06S
 - 08S
 - 10S
 - 12S
 - 14S
 - 16S
 - 20S
 - 25S
 - 30S
 - 38S

EL - BARREL TEE O-RING

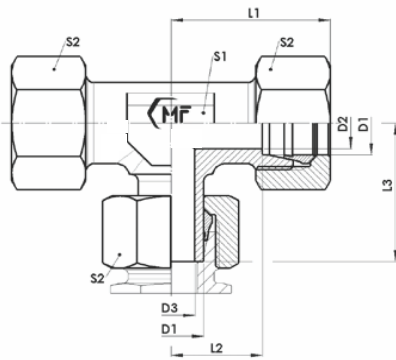


EL - 06L
 - 08L
 - 10L
 - 12L
 - 15L
 - 18L
 - 22L
 - 28L
 - 35L
 - 42L

EL - 06S
 - 08S
 - 10S
 - 12S
 - 14S
 - 16S
 - 20S
 - 25S
 - 30S
 - 38S

STEEL TUBE FITTINGS

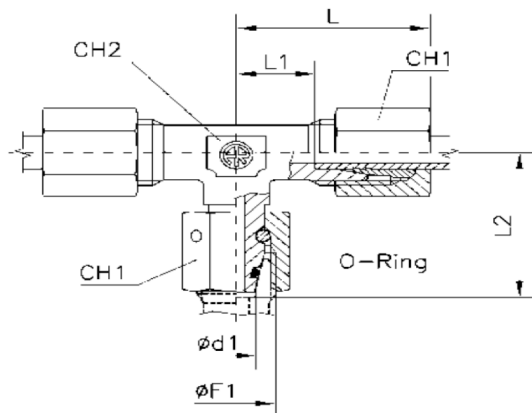
EVT - STANDPIPE BRANCH TEE



EVT - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

EVT - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

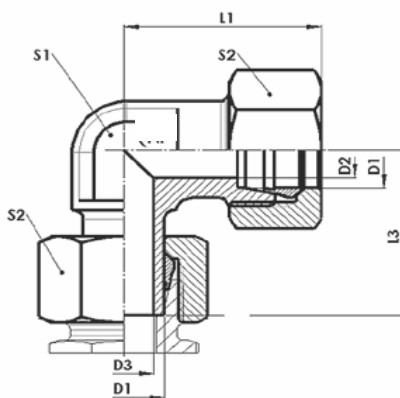
ET - BRANCH TEE O-RING



ET - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

ET - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

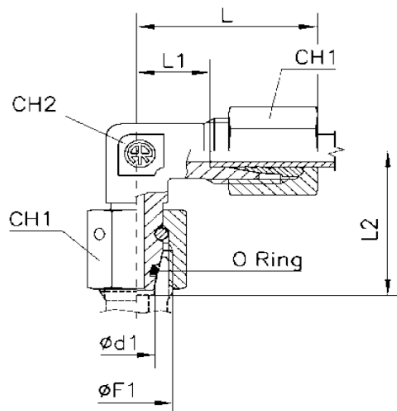
EVW - STANDPIPE ELBOW



EVW - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

EVW - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

EW - STANDPIPE ELBOW O-RING

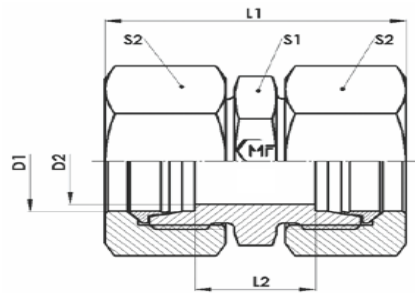


EW - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

EW - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

STEEL TUBE FITTINGS

G - STRAIGHT UNION

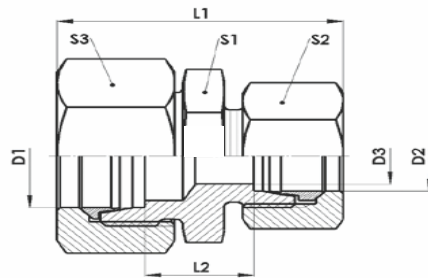


G - 04LL
- 06LL
- 08LL

G - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

G - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

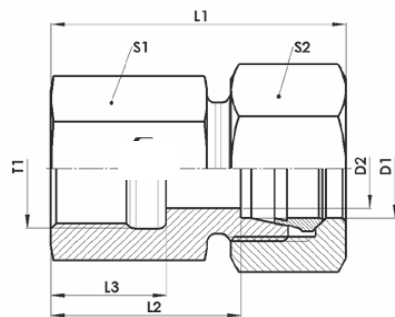
GR - REDUCING UNION



GR - 08-06L - 28-18L
- 10-06L - 35-22L
- 10-08L - 35-28L
- 12-06L
- 12-08L
- 12-10L
- 15-10L
- 15-12L
- 18-10L
- 18-12L
- 18-15L
- 22-12L
- 22-18L

GR - 08-06S
- 10-06S
- 10-08S
- 12-06S
- 12-08S
- 12-10S
- 16-12S
- 20-10S
- 20-12S
- 20-16S
- 25-16S
- 25-16S
- 25-20S

GAI - BSP / METRIC FEMALE STUD COUPLING



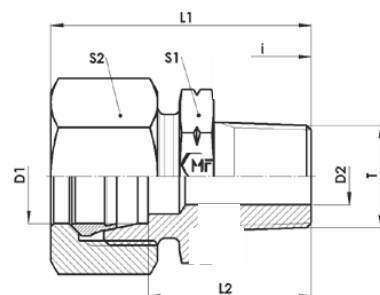
GAI - 06LR-1/8
- 08LR-1/4
- 08LR-3/8
- 08LR-1/2
- 10LR-1/4
- 10LR-3/8
- 10LR-1/2
- 12LR-3/8
- 12LR-1/2
- 15LR-1/2
- 18LR-1/2
- 22LR-3/4
- 28LR-1"
- 35LR-1 1/4
- 42LR-1 1/2

GAI - 06LM-10x1
- 08LM-12x1.5
- 10LM-14x1.5
- 12LM-16x1.5
- 15LM-18x1.5
- 18LM-22x1.5
- 22LM-26x1.5

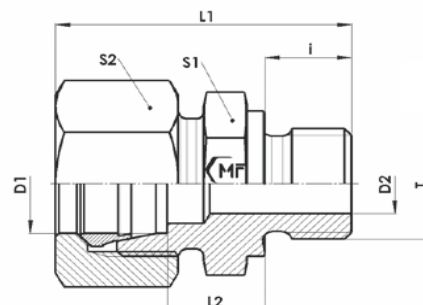
GAI - 06SR-1/4
- 08SR-1/4
- 10SR-3/8
- 12SR-3/8
- 14SR-1/2
- 16SR-1/2
- 20SR-3/4
- 25SR-1"
- 30SR-1 1/4
- 38SR-1 1/2
- 18LR-1/2
- 22LR-3/4
- 28LR-1"
- 35LR-1 1/4
- 42LR-1 1/2

GAI - 06SM-12x1.5
- 08SM-14x1.5
- 10SM-16x1.5
- 12SM-18x1.5
- 14SM-20x1.5
- 16SM-22x1.5
- 20SM-27x2

GE - BSPT - MALE STUD COUPLING



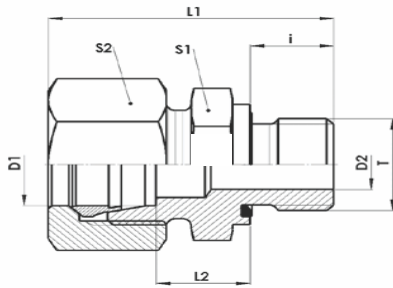
GE - 04LLRK-1/8
- 06LLRK-1/8
- 08LLRK-1/8



GE - 06LLR-1/8
- 08LLR-1/8

STEEL TUBE FITTINGS

GE - BSP - ed - MALE STUD COUPLING



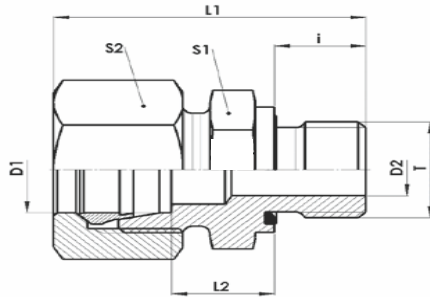
GE - 06LR-1/8-ed
- 06LR-1/4-ed
- 08LR-1/4-ed
- 08LR-3/8-ed
- 10LR-1/4-ed
- 10LR-3/8-ed
- 10LR-1/2-ed
- 12LR-1/4-ed
- 12LR-3/8-ed
- 12LR-1/2-ed
- 15LR-1/4-ed
- 15LR-3/8-ed
- 15LR-1/2-ed
- 15LR-3/4-ed

GE - 18LR-1/2-ed
- 18LR-3/4-ed
- 22LR-1/2-ed
- 22LR-3/4-ed
- 22LR-1"-ed
- 28LR-3/4-ed
- 28LR-1"-ed
- 35LR-1 1/4-ed
- 42LR-1 1/2-ed

GE - 06SR-1/4-ed
- 08SR-1/4-ed
- 08SR-3/8-ed
- 10SR-1/4-ed
- 10SR-3/8-ed
- 10SR-1/2-ed
- 12SR-1/4-ed
- 12SR-3/8-ed
- 12SR-1/2-ed
- 14SR-3/8-ed
- 14SR-1/2-ed
- 16SR-3/8-ed
- 16SR-1/2-ed
- 16SR-3/4-ed
- 20SR-1/2-ed
- 20SR-3/4-ed
- 20SR-1"-ed

GE - 25SR-3/4-ed
- 25SR-1"-ed
- 30SR-1"-ed
- 30SR-1 1/4-ed
- 38SR-1 1/4-ed
- 38SR-1 1/2-ed

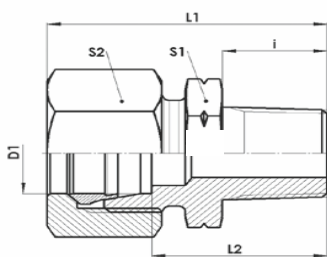
GE - METRIC - ed - MALE STUD COUPLING



GE - 06LM-10x1-ed
- 08LM-12x1.5-ed
- 10LM-14x1.5-ed
- 12LM-16x1.5-ed
- 12LM-18x1.5-ed
- 12LM-22x1.5-ed
- 15LM-18x1.5-ed
- 15LM-22x1.5-ed
- 18LM-22x1.5-ed
- 22LM-26x1.5-ed
- 28LM-33x2-ed
- 35LM-42x2-ed
- 42LM-48x2-ed

GE - 06SM-12x1-ed
- 08SM-14x1.5-ed
- 10SM-16x1.5-ed
- 12SM-18x1.5-ed
- 14SM-20x1.5-ed
- 16SM-22x1.5-ed
- 20SM-27x1.5-ed
- 25SM-33x2-ed
- 30SM-42x2-ed
- 38SM-48x2-ed

GE - NPT - MALE STUD COUPLING



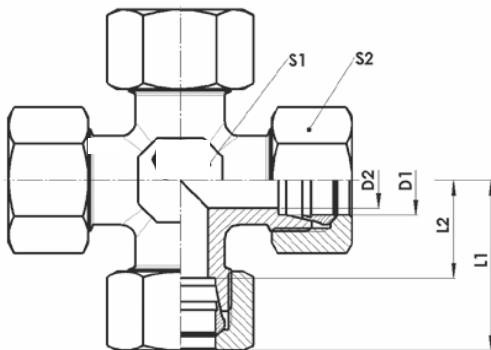
GE - 06LL-1/8
- 06L-1/8
- 06L-1/4
- 08L-1/4
- 10L-1/4
- 10L-3/8
- 12L-1/4
- 12L-3/8
- 12-1/2

GE - 15L-3/8
- 15L-1/2
- 18L-1/2
- 22L-1/2
- 22L-3/4
- 28L-1"
- 35L-1 1/4
- 42L-1 1/2

GE - 06S-1/4
- 08S-1/4
- 10S-1/4
- 10S-3/8
- 12S-1/4
- 12S-3/8
- 12S-1/2
- 16S-1/2

GE - 20S-3/4
- 25S-1"
- 30S-1 1/4
- 38S-1 1/2

K - CROSS UNION

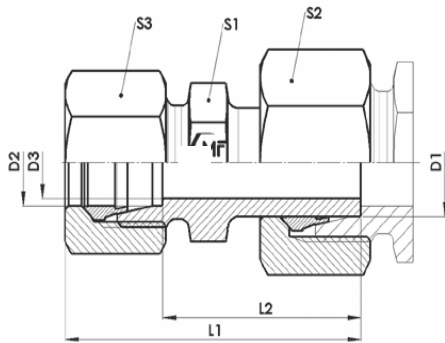


K - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

K - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

STEEL TUBE FITTINGS

K O R - REDUCING STANDPIPE



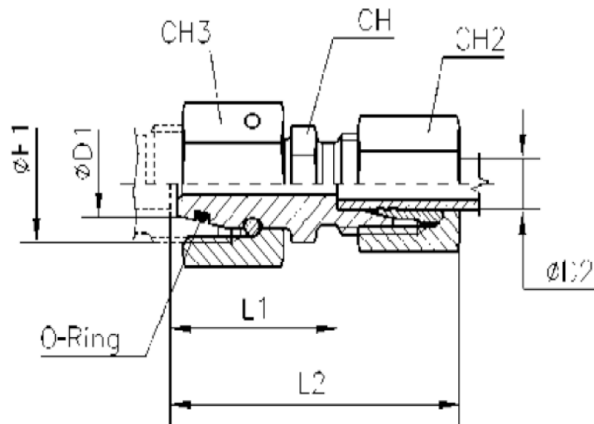
KOR/RED - 08-06L

- 10-06L
- 10-08L
- 12-06L
- 12-08L
- 12-10L
- 15-06L
- 15-08L
- 15-10L
- 15-12L
- 18-06L
- 18-08L
- 18-10L
- 18-12L
- 18-15L
- 22-06L
- 22-08L
- 22-10L
- 22-12L
- 22-15L
- 22-18L
- 28-06L
- 28-08L
- 28-10L
- 28-12L
- 28-15L
- 28-18L
- 28-22L
- 35-15L
- 35-18L
- 35-22L
- 35-28L
- 42-18L
- 42-22L
- 42-28L
- 42-35L

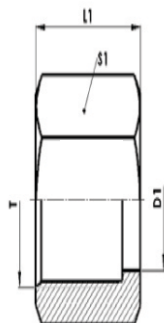
KOR/RED - 08-06S

- 10-06S
- 10-08S
- 12-06S
- 12-08S
- 12-10S
- 16-06S
- 16-08S
- 16-10S
- 16-12S
- 16-14S
- 20-10S
- 20-12S
- 20-14S
- 20-16S
- 25-08S
- 25-10S
- 25-12S
- 25-14S
- 25-16S
- 25-20S
- 30-12S
- 30-16S
- 30-20S
- 30-25S
- 38-12S
- 38-16S
- 38-20S
- 38-25S
- 38-30S

RED - REDUCER, O-RING



M - NUT



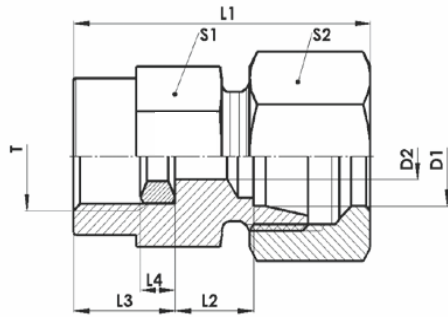
M - 04LL
- 06LL
- 08LL

M - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

M - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

STEEL TUBE FITTINGS

MAV - PRESSURE GAUGE CONNECTOR



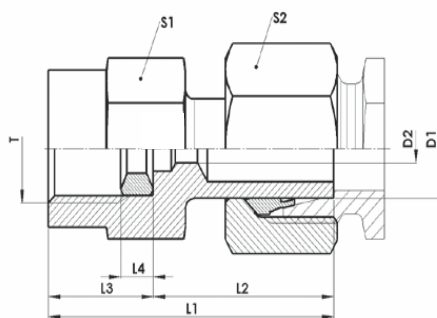
MAV

- 06LR-1/4
- 08LR-1/4
- 10LR-1/4
- 12LR-1/4

MAV

- 06SR-1/2
- 08SR-1/2
- 10SR-1/2
- 12SR-1/2

MAV - EV - ADJUSTABLE PRESSURE GAUGE CONNECTOR



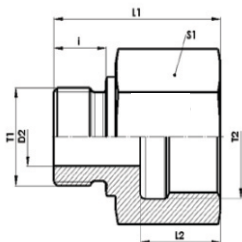
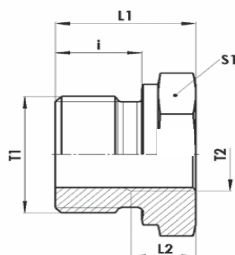
MAV-EV

- 06LR-1/4
- 08LR-1/4
- 10LR-1/4
- 12LR-1/4
- 12LR-1/2

MAV-EV

- 06SR-1/2
- 08SR-1/2
- 10SR-1/2
- 12SR-1/2

RI - ED - BSP - REDUCER



RI

- 1/8-1/4-ed
- 1/8-3/8-ed
- 1/4-1/8-ed
- 1/4-3/8-ed
- 1/4-1/2-ed
- 1/4-3/4-ed
- 3/8-1/8-ed
- 3/8-1/4-ed
- 3/8-1/2-ed
- 3/8-3/4-ed
- 1/2-1/8-ed
- 1/2-1/4-ed
- 1/2-3/8-ed
- 1/2-3/4-ed
- 1/2-1"-ed
- 1/2-1 1/4-ed
- 3/4-1/4-ed
- 3/4-3/8-ed
- 3/4-1/2-ed

RI

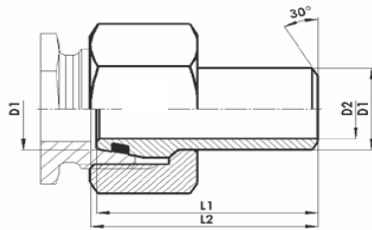
- 3/4-1"-ed
- 3/4-1 1/4-ed
- 3/4-1 1/2-ed
- 1"-1/4-ed
- 1"-3/8-ed
- 1"-1/2-ed
- 1"-3/4-ed
- 1"-1 1/4-ed
- 1"-1 1/2-ed
- 1 1/4-1/2-ed
- 1 1/4-3/4-ed
- 1 1/4-1"-ed
- 1 1/4-1 1/2-ed
- 1 1/2-1/2-ed
- 1 1/2-3/4-ed
- 1 1/2-1"-ed
- 1 1/2-1 1/4-ed
- 2"-1"
- 2"-1 1/4
- 2"-1 1/2

RI

- 1/4-1/4
- 3/8-3/8
- 1/2-1/2
- 3/4-3/4
- 1"-1"

STEEL TUBE FITTINGS

SKA - WELD NIPPLE



SKA

- 8x2
- 10x2
- 12x2
- 12x2.5
- 16x2
- 16x3

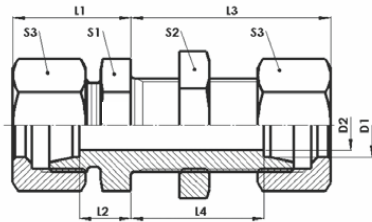
SKA

- 20x2.5
- 20x3
- 20x4
- 25x3
- 25x4

SKA

- 30x4
- 30x5
- 38x3
- 38x5
- 38x6

SV - STRAIGHT BULKHEAD UNION



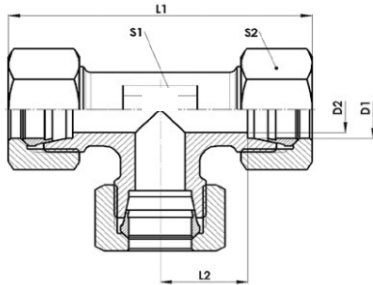
SV

- 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

SV

- 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

T - UNION TEE



T

- 04LL
- 06LL
- 08LL

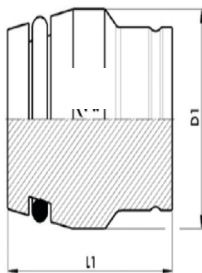
T

- 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

T

- 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

VKA - BLANKING PLUGS



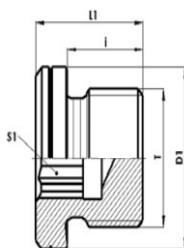
VKA

- 06L/S
- 08L/S
- 10L/S
- 12L/S
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

VKA

- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

VSTI - ED - PLUG



VSTI

- R1/8-ed
- R1/4-ed
- R3/8-ed
- R1/2-ed
- R3/4-ed
- R1"-ed
- R1 1/4-ed
- R1 1/2-ed

VSTI

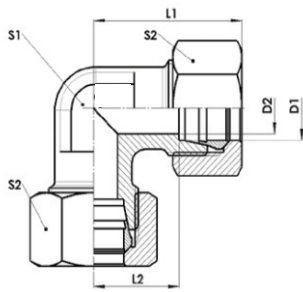
- M10x1-ed
- M12x1.5-ed
- M14x1.5-ed
- M16x1.5-ed
- M18x1.5-ed
- M20x1.5-ed

VSTI

- M22x1.5-ed
- M26x1.5-ed
- M27x2-ed
- M33x2-ed
- M42x2-ed
- M48x2-ed

STEEL TUBE FITTINGS

W - UNION ELBOW



W - 04LL
- 06LL
- 08LL

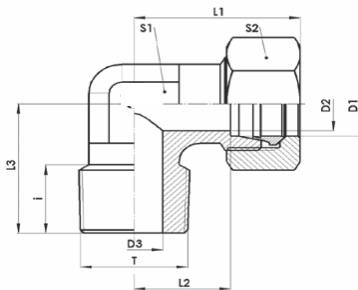
W - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

W - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S

WE - BSPT - ELBOW

WE - 04LLR-1/8
- 06LLR-1/8
- 08LLR-1/8

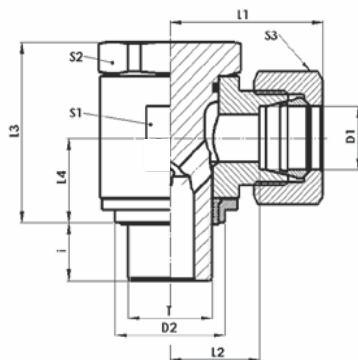
WE - NPT - ELBOW



WE - 06L-1/8
- 06L-1/4
- 08L-1/4
- 08L-3/8
- 10L-1/4
- 10L-3/8
- 12L-1/4
- 12L-3/8
- 12L-1/2
- 15L-1/2
- 18L-1/2
- 22L-3/4
- 28L-1"
- 35L-1 1/4
- 42L-1 1/2

WE - 06S-1/8
- 08S-1/4
- 10S-3/8
- 12S-3/8
- 12S-1/2
- 14S-1/2
- 16S-1/2
- 20S-3/4
- 25S-1"
- 30S-1 1/4
- 38S-1 1/2

WHO-BSP-ed-BANJO

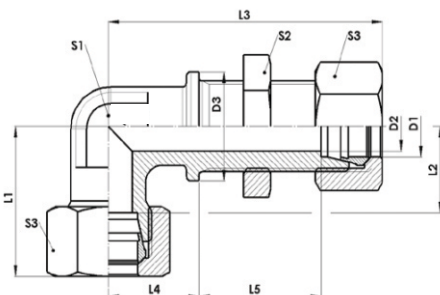


WHO - 06LR-1/8
- 08LR-1/4
- 10LR-1/4
- 12LR-1/4
- 12LR-3/8
- 15LR-1/2
- 18LR-1/2
- 22LR-3/4
- 28LR-1"
- 35LR-1 1/4
- 42LR-1 1/2

WHO - 06SR-1/4
- 08SR-1/4
- 10SR-3/8
- 12SR-3/8
- 14SR-1/2
- 16SR-1/2
- 20SR-3/4
- 25SR-1"
- 30SR-1 1/4
- 38SR-1 1/2

Also available in Metric

WSV - BULKHEAD ELBOW



WSV - 06L
- 08L
- 10L
- 12L
- 15L
- 18L
- 22L
- 28L
- 35L
- 42L

WSV - 06S
- 08S
- 10S
- 12S
- 14S
- 16S
- 20S
- 25S
- 30S
- 38S