

COMPRESSION FITTINGS

**INOX AISI 316
DIN 2353**

PLUS

**GREAT GRIPPING SYSTEM THANKS TO
THE FERRULE AND THE LOCKING NUT**

**RESISTANT TO VIBRATIONS AND TO
WATER HAMMERS**

**FITTINGS IN COMPLIANCE WITH DIN
2353**

**OGIVE WITH CARBONIZED HARDNING
TREATMENT**





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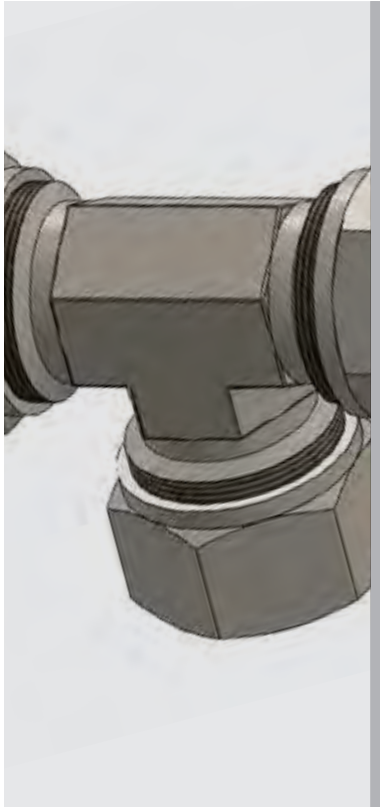


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-60°C ÷ 400°C



See in model table.
For pneumatics applications the pressures indicated in the table must be reduced by 50%



Compressed air, oil water, oil, chemical products and aggressive fluids suitable with construction materials. The fittings are designed and manufactured in compliance with DIN 2353



Taper gas BSPT ISO 7 DIN 2999 from R1/8" to R1/2"



Parallel gas BSPP ISO 228 DIN-ISO 228 (DIN 259) from G1/8" to G3/4"



Stainless steel annealed seamless tubing according to DIN 2391 regulation. The tubes should be suitable with process fluid, pressure and temperature.



Body: stainless steel AISI 316

Lock nut: stainless steel AISI 316 - silver thread

Ogive: stainless steel AISI 316 with carbonized hardening treatment



Products in compliance with the directive 2002/95/EC

RoHS2

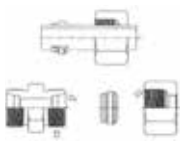
Products in compliance with the directive 2011/65/EU

INSTRUCTION FOR ASSEMBLY



1

- Ensure that the tube end is cut at 90° with an angular maximum offset of $\pm 1/2^\circ$ in relation to the tube axis.
- After clean, lightly deburr tube ends at the inside and outside edge.



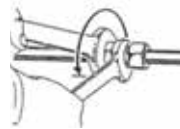
2

- Lubricate the thread and the inside part of the fitting body, the ring and the thread of the nut. Don't use grease.



3

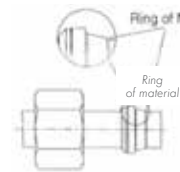
- Place nut and cutting ring on the tube. Ensure the cutting ring and nut are facing the right way.
- Manually screw the nut on to the fitting body keeping the tube completely inserted in.



4

- Finally tighten the nut using a wrench for 1 and 1/2 turns by holding the fitting body with a second wrench. Never turn the fitting body, hold the body and turn the nut.

WARNING: Any deviation in the number of tightening turns reduces the maximum pressure and the service life of the fitting and may cause leakages or slipping of the tube.



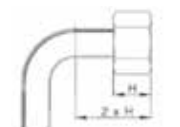
5

- Check penetration of cutting edge. A visible ring of material should fill the space in front of the cutting ring and face. Cutting ring may turn on tube but should not be capable of axial displacement.



6

- Tighten the nut again on to fitting body until a sharp condition rise in torque is felt.



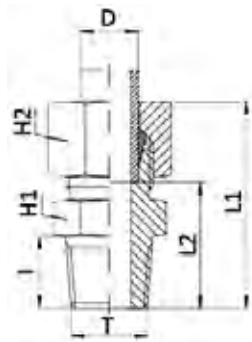
7

- Minimum length of straight tube and for tube bends, up to start of the bending radius must be at least twice the net length (H).



3700

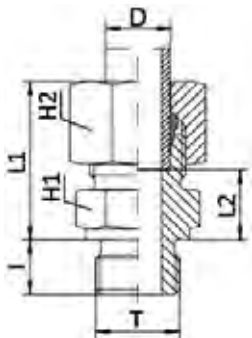
Male connector BSPT thread



| CODE | T | ØD | I | L1 | L2 | H1 | H2 | BAR | GR. |
|-------------|-------|----|------|------|------|------|------|-----|-------|
| 3700TRLL184 | R1/8" | 4 | 8,0 | 26,0 | 16,0 | 11,0 | 10,0 | 100 | 19,0 |
| 3700TRL186 | R1/8" | 6 | 8,0 | 30,0 | 15,0 | 14,0 | 14,0 | 315 | 22,0 |
| 3700TRLL188 | R1/8" | 8 | 8,0 | 28,0 | 16,5 | 12,0 | 14,0 | 100 | 33,0 |
| 3700TRL148 | R1/4" | 8 | 12,0 | 35,0 | 20,0 | 17,0 | 17,0 | 315 | 38,0 |
| 3700TRL1410 | R1/4" | 10 | 12,0 | 36,0 | 21,0 | 17,0 | 19,0 | 315 | 43,0 |
| 3700TRL1412 | R1/4" | 12 | 12,0 | 37,0 | 22,0 | 19,0 | 22,0 | 315 | 56,0 |
| 3700TRL3812 | R3/8" | 12 | 12,0 | 37,0 | 22,0 | 19,0 | 22,0 | 315 | 71,0 |
| 3700TRL1212 | R1/2" | 12 | 14,0 | 39,0 | 24,0 | 22,0 | 22,0 | 315 | 82,0 |
| 3700TRL3815 | R3/8" | 15 | 12,0 | 38,0 | 23,0 | 24,0 | 27,0 | 315 | 96,0 |
| 3700TRL1215 | R1/2" | 15 | 14,0 | 40,0 | 25,0 | 24,0 | 27,0 | 315 | 103,0 |

3720

Male connector BSPP thread

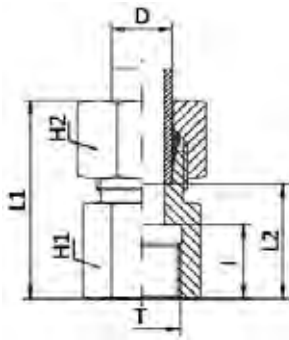


| CODE | T | ØD | L1 | L2 | I | H1 | H2 | BAR | GR. |
|-------------|-------|----|------|------|------|----|----|-----|-------|
| 3720TRL186 | G1/8" | 6 | 23,0 | 8,5 | 8,0 | 14 | 14 | 315 | 25,0 |
| 3720TRL146 | G1/4" | 6 | 27,0 | 9,0 | 12,0 | 19 | 14 | 315 | 35,0 |
| 3720TRL386 | G3/8" | 6 | 27,0 | 11,5 | 12,0 | 22 | 14 | 315 | 56,0 |
| 3720TRL126 | G1/2" | 6 | 29,0 | 12,0 | 14,0 | 27 | 14 | 315 | 73,0 |
| 3720TRL188 | G1/8" | 8 | 26,0 | 9,5 | 8,0 | 14 | 17 | 315 | 31,0 |
| 3720TRL148 | G1/4" | 8 | 25,0 | 10,0 | 12,0 | 19 | 17 | 315 | 43,0 |
| 3720TRL388 | G3/8" | 8 | 28,5 | 11,5 | 12,0 | 22 | 17 | 315 | 60,0 |
| 3720TRL128 | G1/2" | 8 | 28,5 | 13,0 | 14,0 | 27 | 17 | 315 | 90,0 |
| 3720TRL1410 | G1/4" | 10 | 26,0 | 11,0 | 12,0 | 19 | 19 | 315 | 48,0 |
| 3720TRL3810 | G3/8" | 10 | 30,5 | 12,5 | 12,0 | 22 | 19 | 315 | 62,0 |
| 3720TRL1210 | G1/2" | 10 | 32,5 | 13,0 | 14,0 | 27 | 19 | 315 | 92,0 |
| 3720TRL1412 | G1/4" | 12 | 30,0 | 12,0 | 12,0 | 19 | 22 | 315 | 58,0 |
| 3720TRL3812 | G3/8" | 12 | 27,0 | 12,5 | 12,0 | 22 | 22 | 315 | 70,0 |
| 3720TRL1212 | G1/2" | 12 | 31,0 | 13,0 | 14,0 | 27 | 22 | 315 | 94,0 |
| 3720TRL3412 | G3/4" | 12 | 31,0 | 14,0 | 16,0 | 32 | 22 | 315 | 147,0 |
| 3720TRL3815 | G3/8" | 15 | 31,0 | 13,5 | 12,0 | 24 | 27 | 315 | 97,0 |
| 3720TRL1215 | G1/2" | 15 | 29,0 | 14,0 | 14,0 | 27 | 27 | 315 | 116,0 |
| 3720TRL3415 | G3/4" | 15 | 32,5 | 15,0 | 16,0 | 32 | 27 | 315 | 161,0 |
| 3720TRS3816 | G3/8" | 16 | 36,0 | 18,0 | 12,0 | 27 | 30 | 400 | 104,0 |
| 3720TRS1216 | G1/2" | 16 | 37,0 | 18,5 | 14,0 | 27 | 30 | 400 | 122,0 |
| 3720TRS3416 | G3/4" | 16 | 39,0 | 20,5 | 16,0 | 32 | 30 | 400 | 167,0 |



3730

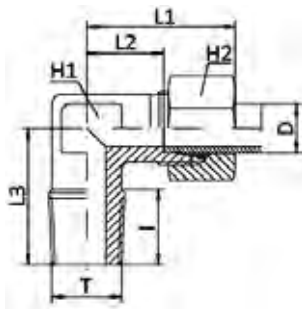
Female connector BSPP thread



| CODE | T | ØD | L1 | L2 | I | H1 | H2 | BAR | GR. |
|-------------|-------|----|------|------|------|----|----|-----|-------|
| 3730TRL186 | G1/8" | 6 | 36,0 | 19,0 | 12,0 | 14 | 14 | 315 | 29,0 |
| 3730TRS146 | G1/4" | 6 | 42,0 | 26,0 | 17,0 | 19 | 17 | 630 | 37,0 |
| 3730TRL148 | G1/4" | 8 | 41,0 | 24,0 | 17,0 | 19 | 17 | 315 | 55,0 |
| 3730TRL388 | G3/8" | 8 | 42,0 | 25,0 | 17,0 | 24 | 17 | 315 | 77,0 |
| 3730TRL128 | G1/2" | 8 | 46,0 | 32,0 | 20,0 | 27 | 17 | 315 | 96,0 |
| 3730TRL1410 | G1/4" | 10 | 42,0 | 25,0 | 17,0 | 19 | 19 | 315 | 60,0 |
| 3730TRL3810 | G3/8" | 10 | 43,0 | 26,0 | 17,0 | 24 | 19 | 315 | 83,0 |
| 3730TRL1210 | G1/2" | 10 | 47,0 | 30,0 | 20,0 | 27 | 19 | 315 | 100,0 |
| 3730TRL3812 | G3/8" | 12 | 43,0 | 26,0 | 17,0 | 24 | 22 | 315 | 91,0 |
| 3730TRL1212 | G1/2" | 12 | 48,0 | 30,0 | 20,0 | 27 | 22 | 315 | 106,0 |
| 3730TRL1215 | G1/2" | 15 | 49,0 | 31,0 | 20,0 | 27 | 27 | 315 | 131,0 |
| 3730TRS1216 | G1/2" | 16 | 53,0 | 31,5 | 20,0 | 27 | 30 | 400 | 149,0 |

3740

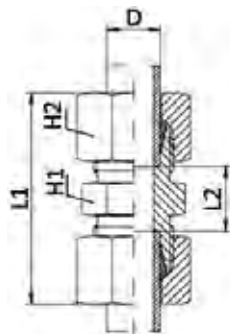
Male elbow BSPT thread



| CODE | T | ØD | L1 | L2 | L3 | I | H1 | H2 | BAR | GR. |
|-------------|-------|----|------|------|------|------|------|------|-----|-------|
| 3740TRLL184 | R1/8" | 4 | 21,0 | 11,0 | 17,0 | 8,0 | 9,0 | 10,0 | 100 | 35,0 |
| 3740TRL186 | R1/8" | 6 | 27,0 | 12,0 | 20,0 | 8,0 | 12,0 | 14,0 | 315 | 40,0 |
| 3740TRS146 | R1/4" | 6 | 31,0 | 16,5 | 26,0 | 12,0 | 12,0 | 17,0 | 630 | 46,0 |
| 3740TRLL188 | R1/8" | 8 | 23,0 | 11,5 | 20,0 | 8,0 | 12,0 | 14,0 | 100 | 48,0 |
| 3740TRL148 | R1/4" | 8 | 29,0 | 14,0 | 26,0 | 12,0 | 12,0 | 17,0 | 315 | 63,0 |
| 3740TRL1410 | R1/4" | 10 | 30,0 | 15,0 | 27,0 | 12,0 | 14,0 | 19,0 | 315 | 81,0 |
| 3740TRS3810 | R3/8" | 10 | 34,0 | 17,5 | 28,0 | 12,0 | 17,0 | 22,0 | 630 | 115,0 |
| 3740TRL3812 | R3/8" | 12 | 32,0 | 17,5 | 28,0 | 12,0 | 17,0 | 22,0 | 315 | 133,0 |
| 3740TRL1215 | R1/2" | 15 | 36,0 | 21,0 | 34,0 | 14,0 | 19,0 | 27,0 | 315 | 139,0 |
| 3740TRS1216 | R1/2" | 16 | 43,0 | 24,5 | 32,0 | 14,0 | 24,0 | 30,0 | 400 | 145,0 |

3780

Union connector

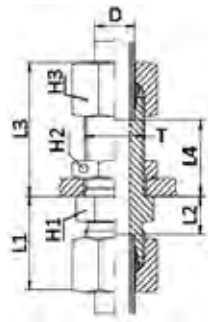


| CODE | ØD | L1 | L2 | H1 | H2 | BAR | GR. |
|-----------|----|------|------|------|------|-----|-------|
| 3780TRLL4 | 4 | 35,0 | 12,0 | 9,0 | 10,0 | 100 | 28,0 |
| 3780TRL6 | 6 | 44,0 | 10,0 | 12,0 | 14,0 | 500 | 34,0 |
| 3780TRL8 | 8 | 45,0 | 11,0 | 14,0 | 17,0 | 500 | 49,0 |
| 3780TRL10 | 10 | 48,0 | 13,0 | 17,0 | 19,0 | 500 | 62,0 |
| 3780TRL12 | 12 | 49,0 | 14,0 | 19,0 | 22,0 | 400 | 83,0 |
| 3780TRL15 | 15 | 54,0 | 16,0 | 24,0 | 27,0 | 400 | 137,0 |
| 3780TRS16 | 16 | 65,0 | 21,0 | 27,0 | 30,0 | 630 | 151,0 |



3790

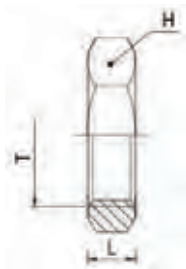
Bulkhead connector



| CODE | ØD | T | L1 | L2 | L3 | L4 | H1 | H2 | H3 | BAR | GR. |
|-----------|----|---------|------|------|------|------|------|------|------|-----|-------|
| 3790TRL6 | 6 | M12X1,5 | 22,0 | 7,0 | 42,0 | 27,0 | 17,0 | 14,0 | 17,0 | 500 | 60,0 |
| 3790TRL8 | 8 | M14X1,5 | 23,0 | 8,0 | 42,0 | 27,0 | 19,0 | 17,0 | 19,0 | 500 | 82,0 |
| 3790TRL10 | 10 | M16X1,5 | 25,0 | 10,0 | 43,0 | 28,0 | 22,0 | 19,0 | 22,0 | 500 | 106,0 |
| 3790TRL12 | 12 | M18X1,5 | 25,0 | 10,0 | 44,0 | 29,0 | 24,0 | 22,0 | 24,0 | 400 | 133,0 |
| 3790TRL15 | 15 | M22X1,5 | 27,0 | 12,0 | 46,0 | 31,0 | 27,0 | 27,0 | 30,0 | 400 | 216,0 |

1476

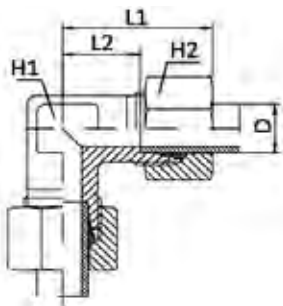
Locknuts for bulkhead



| CODE | T | L | H |
|--------------|---------|---|----|
| 1476TRHM1215 | M12X1,5 | 6 | 17 |
| 1476TRHM1415 | M14X1,5 | 6 | 19 |
| 1476TRHM1615 | M16X1,5 | 6 | 22 |
| 1476TRHM1815 | M18X1,5 | 6 | 24 |
| 1476TRHM2215 | M22X1,5 | 7 | 30 |

3800

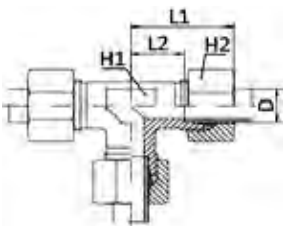
Union elbow connector



| CODE | ØD | L1 | L2 | H1 | H2 | BAR | GR. |
|-----------|----|------|------|------|------|-----|-------|
| 3800TRLL4 | 4 | 21,0 | 11,0 | 9,0 | 10,0 | 100 | 44,0 |
| 3800TRL6 | 6 | 27,0 | 12,0 | 12,0 | 14,0 | 500 | 51,0 |
| 3800TRL8 | 8 | 29,0 | 14,0 | 12,0 | 17,0 | 500 | 75,0 |
| 3800TRL10 | 10 | 30,0 | 15,0 | 14,0 | 19,0 | 500 | 98,0 |
| 3800TRL12 | 12 | 32,0 | 17,0 | 17,0 | 22,0 | 400 | 134,0 |
| 3800TRL15 | 15 | 36,0 | 21,0 | 19,0 | 27,0 | 400 | 230,0 |
| 3800TRS16 | 16 | 43,0 | 24,5 | 24,0 | 30,0 | 630 | 246,0 |

3810

Union tee connector

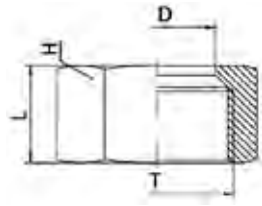


| CODE | ØD | L1 | L2 | H1 | H2 | BAR | GR. |
|-----------|----|------|------|------|------|-----|-------|
| 3810TRLL4 | 4 | 21,0 | 11,0 | 9,0 | 10,0 | 100 | 62,0 |
| 3810TRL6 | 6 | 27,0 | 12,0 | 12,0 | 14,0 | 500 | 71,0 |
| 3810TRL8 | 8 | 29,0 | 14,0 | 12,0 | 17,0 | 500 | 101,0 |
| 3810TRL10 | 10 | 30,0 | 15,0 | 14,0 | 19,0 | 500 | 128,0 |
| 3810TRL12 | 12 | 32,0 | 17,0 | 17,0 | 22,0 | 400 | 170,0 |
| 3810TRL15 | 15 | 36,0 | 21,0 | 19,0 | 27,0 | 400 | 230,0 |
| 3810TRS16 | 16 | 43,0 | 24,4 | 24,0 | 30,0 | 630 | 261,0 |



3830

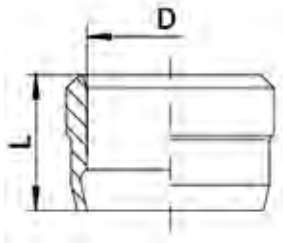
Nut



| CODE | ØD | T | L | H | GR. |
|-----------|----|---------|------|------|------|
| 3830TRLL4 | 4 | M8X1,0 | 11,0 | 10,0 | 6,0 |
| 3830TRL6 | 6 | M12X1,5 | 14,5 | 14,0 | 9,0 |
| 3830TRL8 | 8 | M14X1,5 | 14,5 | 17,0 | 14,0 |
| 3830TRL10 | 10 | M16X1,5 | 15,5 | 19,0 | 17,0 |
| 3830TRL12 | 12 | M18X1,5 | 15,5 | 22,0 | 24,0 |
| 3830TRL15 | 15 | M22X1,5 | 17,0 | 27,0 | 40,0 |
| 3830TRS16 | 16 | M24X1,5 | 20,5 | 30,0 | 48,0 |

3840

Ogive



| CODE | ØD | L | GR. |
|-----------|----|------|-----|
| 3840TRLL4 | 4 | 6,0 | 2,0 |
| 3840TRL6 | 6 | 9,0 | 2,0 |
| 3840TRL8 | 8 | 9,0 | 2,0 |
| 3840TRL10 | 10 | 9,5 | 3,0 |
| 3840TRL12 | 12 | 10,0 | 3,0 |
| 3840TRL15 | 15 | 10,0 | 4,0 |
| 3840TRS16 | 16 | 10,0 | 5,0 |



