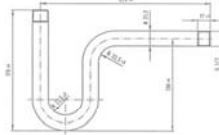


U-form
Made of seamless carbon steel
Both sides male thread



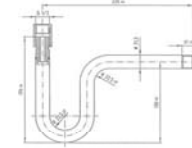
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 21,3 | 2,65 | ST 33-2 | 8732 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8733 |
| G 1/2 | 21,3 | 2,60 | 1.4571 | 8735 |

U-form
Made of seamless carbon steel
Entry: butt welding
Gauge side: LH/RH union



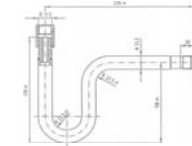
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 21,3 | 2,65 | ST 33-2 | 8741 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8742 |
| G 1/2 | 21,3 | 2,60 | 1.4571 | 8744 |

U-form
Made of seamless carbon steel
Entry: male thread
Gauge side: LH/RH union



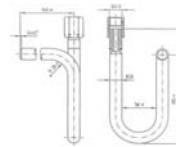
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 21,3 | 2,65 | ST 33-2 | 8753 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8754 |
| G 1/2 | 21,3 | 2,60 | 1.4571 | 8756 |

U-form
Made of seamless carbon steel
Entry: male thread form 4 G 1/2
Gauge side: LH/RH union



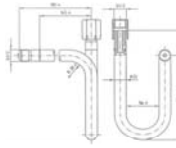
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 21,3 | 2,65 | ST 33-2 | 8757 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8758 |
| G 1/2 | 21,3 | 2,60 | 1.4571 | 8759 |

U-form made of seamless carbon steel, left angle (right angle will be surcharged)
Entry: butt welding
Gauge side: LH/RH union
DIN 16 282 form B



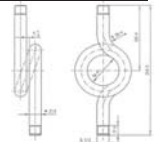
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 20,0 | 2,60 | ST 35.8-I | 8749 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8750 |
| G 1/2 | 20,0 | 2,50 | 1.4571 | 8752 |

U-form made of seamless carbon steel, left angle (right angle will be surcharged)
Entry: male thread form 4 G 1/2
Gauge side: LH/RH union
DIN 16 282 form A



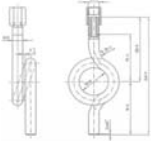
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 20,0 | 2,60 | ST 35.8-I | 8745 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8746 |
| G 1/2 | 20,0 | 2,50 | 1.4571 | 8748 |

Trumpet form
Made of seamless carbon steel
Both sides male thread



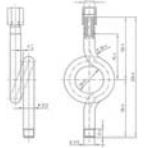
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 21,3 | 2,65 | ST 33-2 | 8832 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8833 |
| G 1/2 | 21,3 | 2,60 | 1.4571 | 8835 |

Trumpet form
Made of seamless carbon steel
Entry: butt welding
Gauge side: LH/RH union
DIN 16 282 form D



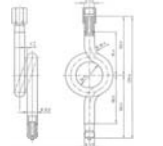
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 20,0 | 2,60 | ST 35.8-I | 8841 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8842 |
| G 1/2 | 20,0 | 2,50 | 1.4571 | 8844 |

Trumpet form
Made of seamless carbon steel
Entry: male thread
Gauge side: LH/RH union



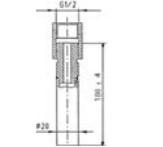
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 21,3 | 2,65 | ST 33-2 | 8853 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8854 |
| G 1/2 | 21,3 | 2,60 | 1.4571 | 8856 |

Trumpet form
Made of seamless carbon steel
Entry: male thread form 4 G 1/2
Gauge side: LH/RH union
DIN 16 282 form C



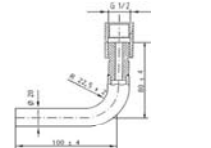
| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 20,0 | 2,60 | ST 35.8-I | 8845 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8846 |
| G 1/2 | 20,0 | 2,50 | 1.4571 | 8848 |

Pipe connectors made of carbon steel, straight form
Entry: butt welding
Gauge side: LH/RH union



| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 20,0 | 2,60 | ST 35.8-I | 8860 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8861 |
| G 1/2 | 20,0 | 2,50 | 1.4571 | 8863 |

Pipe connectors made of carbon steel, angled form
Entry: butt welding
Gauge side: LH/RH union



| Connection | Outer Ø | Thickness | Material | Article no. |
|------------|---------|-----------|-----------|-------------|
| G 1/2 | 20,0 | 2,60 | ST 35.8-I | 8864 |
| G 1/2 | 21,3 | 3,20 | ST 35.8-I | 8865 |
| G 1/2 | 20,0 | 2,50 | 1.4571 | 8867 |

These tubes are the standard versions

- OPTIONS

Certificates DIN EN 10 204 3.1 or 3.2 available

Threads differing from G 1/2 with other tube diameters

Material: ST 35.8 III / 15/16 Mo 3 / 13 CrMo 44 / 10 CrMo 910 / 1.4541 / others on request

| Tube dimensions | Material | Highest working temperature in °C | | | | | | |
|-----------------|-------------|-----------------------------------|-----|-----|-----|-----|-----|-----|
| | | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| 20,0 x 2,60 | ST 35.8 I | 183 | 157 | 133 | 113 | 100 | | |
| 21,3 x 3,20 | ST 35.8 I | 196 | 173 | 140 | 117 | 106 | | |
| 21,3 x 3,20 | 15/16 Mo 3 | | | | | 183 | 172 | 108 |
| 21,3 x 3,20 | 13 CrMo 44 | | | | | 218 | 206 | 179 |
| 21,3 x 3,20 | 10 CrMo 910 | | | | | 218 | 206 | 162 |
| 20,0 x 2,50 | 1.4571 | 242 | 235 | 227 | 220 | 214 | 205 | |
| 21,3 x 2,60 | 1.4541 | 202 | 196 | 186 | 180 | 173 | 164 | |
| 21,3 x 2,60 | 1.4571 | 248 | 240 | 232 | 225 | 218 | 209 | |

The above mentioned values are only benchmarks. An accurate determination should follow according to DIN 2413.

Tabular values apply to seamless, plain tubes in as new condition. The reduction of material's tubular cross-section caused by cutted threads and bends as well as welding factors are not considered.

Above mentioned values corresponding to material data sheets of our tube suppliers.

Highest working pressure in "bar"