



Main Features

- Stainless steel
- Max. 500 °C
- Max. 400 mm

Applications

- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Machinery

Technical data

| | |
|----------------------------------|------------------------------------|
| Max. immersion length (Pg): | 400 mm |
| Max. Temperature: ⁽¹⁾ | 500 °C |
| Max. Pressure: ⁽¹⁾ | according to thermowell dimensions |
| Min. wall thickness: | 3 mm |

⁽¹⁾ Admissible values in service depend on:

- process fluid
- service temperatures and pressures
- flow
- thermowell type and dimensions

Options

Cone-shaped thermowell, state Dg1 and Dg2

Full penetration welding

Forged material

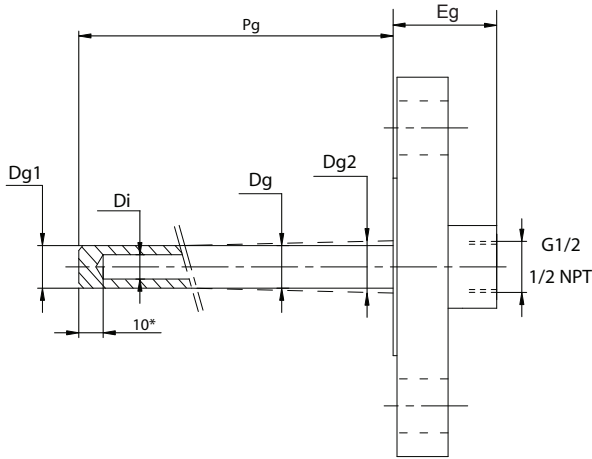
Sweating of weldings

Radiography of weldings

Internal hydraulic test

External hydraulic test

Dimensions (mm) - Types of mounting



Ordering codes for flange faces

| Face Type | Drawing | ANSI B16-5 | | EN 1759-1 | | EN 1092-1 | |
|-----------------|---------|---|--------|---|--------|-------------------------------|-------|
| | | | Codes | | Codes | | Codes |
| Flat face | | Flat face Ra = 3.2...6.3 µm | A | Type A Ra = 3.2...6.3 µm | A | Type A Ra = 3.2...6.3 µm | A |
| Raised face | | Raised face (1.6) ⁽³⁾ Raised face (6.4) ⁽⁴⁾ Ra = 3.2...6.3 µm | G R | Type B (1.6) ⁽³⁾ Type B (6.4) ⁽⁴⁾ Ra = 3.2...6.3 µm | G R | Type B1 Ra = 3.2...12.5 µm | B |
| Male tongue | | Male tongue large ⁽¹⁾ Male tongue small ⁽¹⁾ Ra = 0.8...3.2 µm | H I | Type CL ⁽¹⁾ Type CS ⁽¹⁾ Ra = 0.8...3.2 µm | H I | Type C Ra = 0.8...3.2 µm | C |
| Female groove | | Female groove large Female groove small Ra = 0.8...3.2 µm | K L | Type DL Type DS Ra = 0.8...3.2 µm | K L | Type D Ra = 0.8...3.2 µm | D |
| Male Spigot | | Male spigot large Male spigot small ⁽²⁾ Ra = 3.2...6.3 µm | M N | Type E Ra = 3.2...6.3 µm | M | Type E Ra = 3.2...12.5 µm | E |
| Female Spigot | | Female spigot large Female spigot small ⁽²⁾ Ra = 3.2...6.3 µm | O P | Type FC Ra = 3.2...6.3 µm | O | Type F Ra = 3.2...12.5 µm | F |
| Ring joint face | | Ring joint face Ra = 0.4...1.6 µm | Q | Type J Ra = 0.4...1.6 µm | Q | N/A | |

⁽¹⁾ Not applicable for 1"1/4 and 1"1/2

⁽²⁾ Only applicable for 4"

⁽³⁾ Class 150 and 300

⁽⁴⁾ Class 600, 900, 1500, 2500

Ordering details AGF

| AGF | | - | | | | | | | . | xxx | |
|--|--|-----|---|--|--|--|--|--|---|-----|---|
| Model | | | | | | | | | | | |
| Bored thermowell with flanged process connection | | AGF | - | | | | | | | | |
| Flange face type | | | | | | | | | | | |
| see table on page 2 (codes) | | | | | | | | | | | x |
| Extension (Eg) | | | | | | | | | | | |
| 60 mm | | | | | | | | | | | 0 |
| 100 mm | | | | | | | | | | | 1 |
| Other | | | | | | | | | | | x |
| Material | | | | | | | | | | | |
| Stainless steel 1.4404 | | | | | | | | | | | 2 |
| Stainless steel Duplex 1.4462 | | | | | | | | | | | P |
| A350 LF2 | | | | | | | | | | | R |
| Other | | | | | | | | | | | x |
| PN / class | | | | | | | | | | | |
| EN 1092-1 | | | | | | | | | | | |
| 10 | | | | | | | | | | | C |
| 16 | | | | | | | | | | | D |
| 25 | | | | | | | | | | | F |
| 40 | | | | | | | | | | | G |
| 100 | | | | | | | | | | | J |
| ANSI B16-5 / EN 1759-1 | | | | | | | | | | | |
| 150 | | | | | | | | | | | 1 |
| 300 | | | | | | | | | | | 2 |
| 600 | | | | | | | | | | | 3 |
| 900 | | | | | | | | | | | 4 |
| 1500 | | | | | | | | | | | 5 |
| 2500 | | | | | | | | | | | 6 |
| DN | | | | | | | | | | | |
| EN 1092-1 | | | | | | | | | | | |
| 15 | | | | | | | | | | | C |
| 20 | | | | | | | | | | | D |
| 25 | | | | | | | | | | | E |
| 32 | | | | | | | | | | | F |
| 40 | | | | | | | | | | | G |
| 50 | | | | | | | | | | | H |
| 65 | | | | | | | | | | | J |
| 80 | | | | | | | | | | | K |
| 100 | | | | | | | | | | | L |
| ANSI B16-5 / EN 1759-1 | | | | | | | | | | | |
| 1/2" (DN 15) | | | | | | | | | | | 2 |
| 3/4" (DN 20) | | | | | | | | | | | 3 |
| 1" (DN 25) | | | | | | | | | | | 4 |
| 1" 1/4 (DN 32) | | | | | | | | | | | 5 |
| 1" 1/2 (DN 40) | | | | | | | | | | | 6 |
| 2" (DN 50) | | | | | | | | | | | 7 |
| 2" 1/2 (DN 65) | | | | | | | | | | | 8 |
| 3" (DN 80) | | | | | | | | | | | 9 |
| 4" (DN 100) | | | | | | | | | | | V |
| Instrument connection | | | | | | | | | | | |
| G 1/2" | | | | | | | | | | | L |
| 1/2 NPT | | | | | | | | | | | N |
| Other | | | | | | | | | | | x |

| Shank design | |
|---------------------|----------|
| P | Straight |
| S | Stepped |
| T | Tapered |

| Plunger length Pg | |
|--------------------------|--------|
| 100 | 100 mm |
| 150 | 150 mm |
| 200 | 200 mm |
| 250 | 250 mm |
| 300 | 300 mm |
| 350 | 350 mm |
| 400 | 400 mm |
| xxx | Other |

| External diameter Dg ⁽¹⁾ | |
|--|---------|
| G | 13 mm |
| H | 14 mm |
| J | 15 mm |
| K | 16 mm |
| L | 17.5 mm |
| M | 18 mm |
| N | 19 mm |
| P | 20 mm |
| Q | 21 mm |
| R | 22 mm |
| T | 23 mm |
| U | 24 mm |
| V | 25 mm |
| W | 26 mm |
| Y | 27 mm |
| 1 | 28 mm |
| 2 | 29 mm |
| x | Other |

| Internal diameter Di ⁽¹⁾ | |
|--|-------|
| 1 | 7 mm |
| 2 | 8 mm |
| 3 | 9 mm |
| 4 | 10 mm |
| 5 | 11 mm |
| 6 | 12 mm |
| 7 | 13 mm |
| 8 | 14 mm |
| 9 | 16 mm |
| x | Other |

⁽¹⁾ minimum wall thickness 3 mm