

TA576

Barstock thermowell

Made of drilled barstock material. Mainly used in heavy duty or general purpose applications.



More information and current pricing:

www.endress.com/TA576

Benefits:

- The extension, the immersion and the tapering lengths as well as the bar dimensions can be chosen according to process requirements
- A wide choice of standard materials and flanged connections is available; special versions can be ordered according to specifications
- Different grades of surface finishing are also available
- The thermowell stem shape can be straight, conical or conical tapered
- The process connection is flanged with double sided standard or full penetration weld

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 1000 mm (39,37")
- **Max. immersion length on request** 5.000 mm (196,85")

Field of application: Due to the challenging process conditions by heavy duty applications the load capacity of a thermowell must be calculated exactly. Dye penetration tests, ultrasound test, helium leakage test, pressure endurance test as well as various, non-destructive material tests prove the quality of materials and processing.

Features and specifications

Thermowell

Measuring principle

Bar stock Thermowell

Thermowell

Characteristic / Application

metric style
flanged process connections
round extension

Head connection

internal thread:
1/2" NPT
1/2" NPSC

Maximum standard immersion length

1000 mm (39,37")

Max. immersion length on request

5.000 mm (196,85")

Process connection

flange:
ASME 1" 150 RF (B16.5)
ASME 1" 300 RF (B16.5)
ASME 1" 600 RF (B16.5)
ASME 1 1/2" 150 RF (B16.5)
ASME 1 1/2" 300 RF (B16.5)
ASME 1 1/2" 600 RF (B16.5)
ASME 1 1/2" 1500 RF (B16.5)
ASME 1 1/2" 600 RTJ (B16.5)
ASME 2" 300 RF (B16.5)
ASME 2" 600 RF (B16.5)
ASME 2" 300 RTJ (B16.5)
ASME 2" 600 RTJ (B16.5)
DN25 PN16 B1
DN25 PN40 B1
DN40 PN40 B1
DN50 PN40 B1

Thermowell

Thermowell root diameter

19 mm (3/4")
22 mm (0,87")
27 mm (1,06")

Medium contact material

1.4401 (316)
1.4404 (316L)
1.4571 (316Ti)

Wetted part finishing (Ra)

< 0.8 μm (31.50 μin)
< 1.6 μm (63.00 μin)

Tip shape

straight
conical
conical tapered

Temperature range

-200...700 °C (-328...1.292 °F)

Max. process pressure (static)

500 bar (7252 psi)

Max. process pressure at 400 °C

depends on process connection

More information www.endress.com/TA576