

TA550

Barstock thermowell

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



Benefits:

- The extension and the immersion lengths as well as the bar dimensions can be chosen according to process requirements
- A wide choice of standard materials and process connections is available; other versions can be ordered according to specification
- Different grades of surface finishing are also available
- The process connection can be threaded or flanged weld

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 900 mm (35,43")
- **Max. immersion length on request** 5.000 mm (196,85")

More information and current pricing:

www.apsc.endress.com/TA550

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

Characteristic / Application

metric style

various process connections

round extension

Thermowell

Head connection

internal thread:
1/2" NPT

**Maximum standard immersion
length**

900 mm (35,43")

Max. immersion length on request

5.000 mm (196,85")

Process connection

thread:

1/2" NPT

3/4" NPT

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 1 1/2" 1500 RTJ (B16.5)

ASME 2" 150 RF (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)

Thermowell root diameter

20 mm (0,79")

Thermowell

Medium contact material

1.4401 (316)
1.4404 (316L)
1.4571 (316Ti)
2.4819 (Alloy C276)
2.4360 (Alloy 400)

Wetted part finishing (Ra)

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

Tip shape

straight
conical

Temperature range

-200...700 °C (-328...1.292 °F)

Max. process pressure (static)

500 bar (7252 psi)

Max. process pressure at 400 °C

300 bar (4351 psi)

More information www.apsc.endress.com/TA550