TA571
Barstock thermowell

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

More information and current pricing:
www.endress.com/TA571

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 is available; other versions can be ordered according to specification
- Different grades of surface finishing are also available
- The process connection is welded. The thermowell stem shape can be straight with a conical tip shape

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
weld-in process connections
round extension

Head connection
internal thread:
1/2" NPT
1/2" NPSM
G1/2"

Maximum standard immersion length
1000 mm (39,37")

Max. immersion length on request
5.000 mm (196,85")

Process connection
to weld-in

Thermowell root diameter
20 mm (0,79")
25,4 mm (1")

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

Thermowell

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.endress.com/TA571**