

TA571

Barstock thermowell

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



More information and current pricing:

www.at.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)

Thermowell

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 $^{\circ}\text{C}$ (-328...1.292 $^{\circ}\text{F}$)**Max. process pressure (static)**

500 bar (7252 psi)

Max. process pressure at 400 $^{\circ}\text{C}$

300 bar (4351 psi)

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