

# TA557

## Barstock thermowell

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



More information and current pricing:

[www.apsc.endress.com/TA557](http://www.apsc.endress.com/TA557)

### 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 thermowell stem shape is conical
- 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** 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

various process connections

round extension

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**Head connection**

internal thread:

1/2" NPT

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

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

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## Thermowell

**Process connection**

thread:

1" 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" 300 RTJ (B16.5)

ASME 1 1/2" 600 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)

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**Thermowell root diameter**25 mm (0,98")

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## 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  $\mu\text{m}$  (31.50  $\mu\text{in}$ )< 1.6  $\mu\text{m}$  (63.00  $\mu\text{in}$ )**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)

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