

# 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.cz.endress.com/TA550](http://www.cz.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  $\mu\text{m}$  (31.50  $\mu\text{in}$ )  
< 1.6  $\mu\text{m}$  (63.00  $\mu\text{in}$ )

---

**Tip shape**

straight  
conical

---

**Temperature range**

-200...700  $^{\circ}\text{C}$  (-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)

---

More information [www.cz.endress.com/TA550](http://www.cz.endress.com/TA550)