

# 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](http://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

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**Head connection**

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

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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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**Process connection**

to weld-in

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**Thermowell root diameter**

20 mm (0,79")  
25,4 mm (1")

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**Medium contact material**

1.4401 (316)  
1.4404 (316L)  
1.4571 (316Ti)

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**Wetted part finishing (Ra)**

< 0,8  $\mu\text{m}$  (31,50  $\mu\text{in}$ )  
< 1,6  $\mu\text{m}$  (63,00  $\mu\text{in}$ )

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**Tip shape**

straight  
conical  
conical tapered

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Thermowell

**Temperature range**

-200...700 °C (-328...1.292 °F)

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**Max. process pressure (static)**

500 bar (7252 psi)

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**Max. process pressure at 400 °C**

300 bar (4351 psi)

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