

# TA562

## Barstock thermowell

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



More information and current pricing:

[www.endress.com/TA562](http://www.endress.com/TA562)

### Benefits:

- The thermowell stem shape can be straight or reduced for fast response time
- Extension, immersion length and reduced length as well as the bar dimensions can be chosen according to process requirements
- Different grades of surface finishing are also available
- The process connections are threaded: ½"NPT, ¾"NPT, G½" or M20x1.5
- A wide choice of standard materials is available
- Special versions can be manufactured according to specification

### 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")

**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

threaded process connection

hexagonal extension

**Head connection**

internal thread:

1/2" NPT

G1/2"

M20x1,5

**Maximum standard immersion****length**

900 mm (35,43")

**Max. immersion length on request**

5.000 mm (196,85")

**Process connection**

thread:

G1/2"

1/2" NPT

3/4" NPT

M20x1,5

## Thermowell

**Thermowell root diameter**

12,7 mm (1/2")

13 mm (0,51")

16 mm (0,63")

19 mm (3/4")

**Medium contact material**

1.4401 (316)

1.4404 (316L)

1.4571 (316Ti)

**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

tapered

**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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