

# TA576

## 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/TA576](http://www.at.endress.com/TA576)

### 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 and flanged connections is available; special versions can be ordered according to specifications
- Different grades of surface finishing are also available
- The thermowell stem shape can be straight, conical or conical tapered
- The process connection is flanged with double sided standard or full penetration 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

flanged process connections

round extension

**Head connection**

internal thread:

1/2" NPT

1/2" NPSC

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

1000 mm (39,37")

**Max. immersion length on request**

5.000 mm (196,85")

## Thermowell

**Process connection**

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 2" 300 RF (B16.5)

ASME 2" 600 RF (B16.5)

ASME 2" 300 RTJ (B16.5)

ASME 2" 600 RTJ (B16.5)

DN25 PN16 B1

DN25 PN40 B1

DN40 PN40 B1

DN50 PN40 B1

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## Thermowell

**Thermowell root diameter**

19 mm (3/4")

22 mm (0,87")

27 mm (1,06")

**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

conical

conical tapered

**Temperature range**

-200...700 °C (-328...1.292 °F)

**Max. process pressure (static)**

500 bar (7252 psi)

**Max. process pressure at 400 °C**

depends on process connection

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