

# TW15

## Barstock thermowell

Thermowell made of drilled barstock material.  
Mainly used in heavy duty or industrial applications



More information and current pricing:

[www.at.endress.com/TW15](http://www.at.endress.com/TW15)

### Benefits:

- Extension, immersion length and total length can be chosen according to process requirements
- A wide choice of dimensions, materials and process connections is available
- Special versions can be manufactured according to customer requirements
- The process connection can either be weld-in or flanged

### Specs at a glance

- **Max. process pressure (static)** 400 bar (5802 psi)
- **Maximum standard immersion length** 250 mm (9,84")
- **Max. immersion length on request** 400 mm (15,75")

**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

DIN 43772 Form 4/4F

flanged process connection or weld-in with neck

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**Head connection**

external thread:

M24 x 1.5

1/2" NPT

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**Maximum standard immersion length**

250 mm (9,84")

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**Max. immersion length on request**

400 mm (15,75")

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**Process connection**

For welding with welding socket TA115 as accessory

For flanging with the following flange sizes:

DN25 PN40 B1

DN40 PN40 B1

DN50 PN40 B1

ASME 1" 150 RF

ASME 1" 300 RF

ASME 1 1/2" 150 RF

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## Thermowell

**Thermowell root diameter**

18 mm (0,71")

24 mm (0,94")

**Medium contact material**

1.4571 (316Ti)

2.4819 (Alloy C276)

1.7335 (13CrMo4-5)

Titan

Duplex SAF2205

C22.8

1.5415 (16Mo3)

1.7380 (10CrMo 9 10)

**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**

conical

**Temperature range**

-200...1.100 °C (-328...2.012 °F)

**Max. process pressure (static)**

400 bar (5802 psi)

**Max. process pressure at 400 °C**

400 bar (5802 psi)

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