

TW15

Barstock thermowell

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



More information and current pricing:

www.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

Head connection

external thread:

M24 x 1.5

1/2" NPT

Maximum standard immersion length

250 mm (9,84")

Max. immersion length on request

400 mm (15,75")

Process connectionFor 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

Thermowell root diameter

18 mm (0,71")

24 mm (0,94")

Thermowell

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 µm (31.50 µin)
< 1.6 µm (63.00 µin)

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)

More information www.endress.com/TW15