

Solid Machined, to Screw in Model TW15-H Continuous Hexagon Model TW15-R Wrench Flats

WIKA Data Sheet TW 95.15

Applications

- Chemical engineering, process engineering, apparatus engineering
- For high chemical loads
- For high process loads

Special Features

- International standard
- Model TW15-R: design for use of exotic material
- Available thermowell style: tapered, straight and stepped

Description

Thermowell material

Stainless steel 304/304L, 316/316L, A105, 1.4571, Hastelloy C4 (2.4610), Hastelloy C276 (2.4819), Monel 400 (2.4360), Titan Grade 2 (3.7035)
Material to ASTM specification

Process connection

½ NPT, ¾ NPT, 1 NPT male

Instrument connection

½ NPT, G ½ female

Bore size

Ø 6.6 mm, Ø 8.5 mm

Insertion length U

To customer specification

Connection length H

To customer specification (45 mm minimum)

Maximum process temperature 1)

Dependent upon thermowell material



Thermowell to screw in Model TW15-H

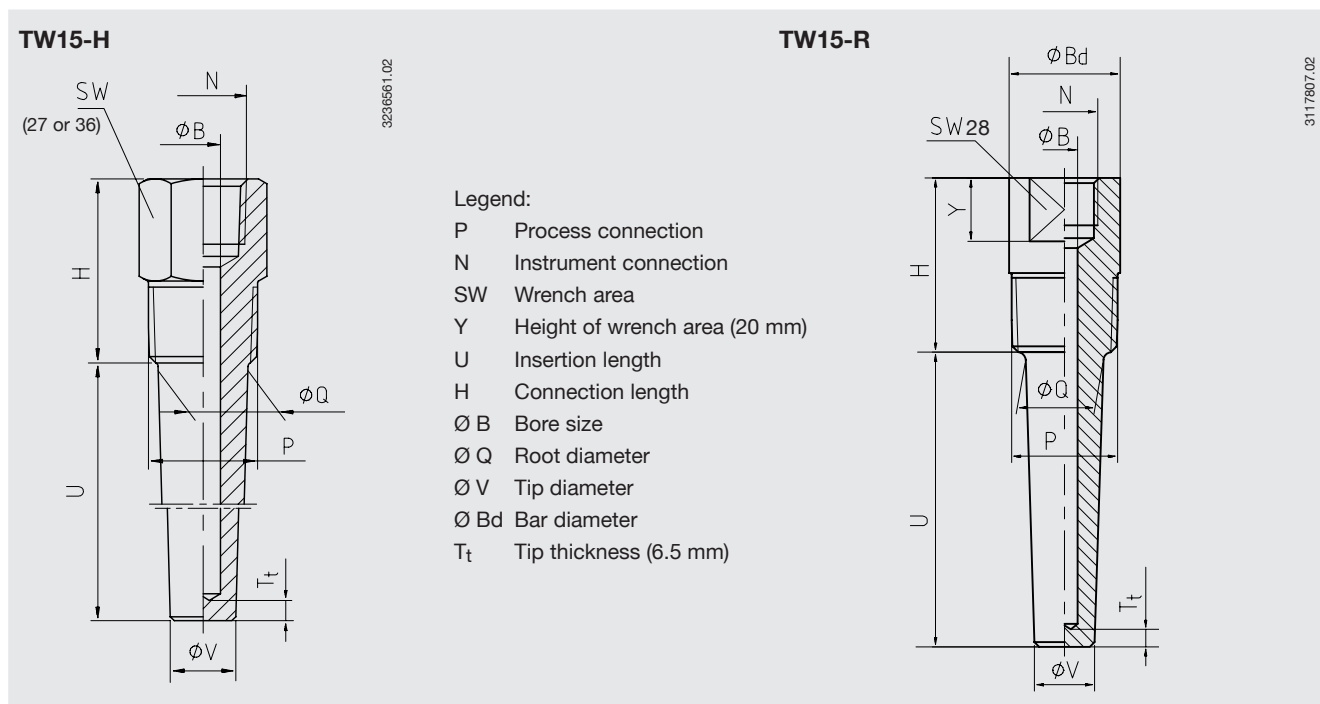
Optional extras

- Other dimensions and materials
- Quality certificates
- Wake frequency calculations in accordance with ASME PTC 19.3 are recommended in critical applications. WIKA offer this as an engineering service. Please find further information in our separate technical information sheet, IN 00.15 "Strength calculation for thermowells"

1) Rating depends on the parameters below:

- Process medium
- Process pressure and temperature
- Flow rate
- Design of thermowell (dimensions, material)

Dimensions in mm



Thermowell style tapered

Dimensions in mm						Weight in kg	
P	N	Ø Q	Ø V	Ø B	H	with U = 2 1/2"	with U = 7 1/2"
1/2 NPT	1/2 NPT or G 1/2	16	13	6.6 or 8.5	45	0.20	0.36
3/4 NPT	1/2 NPT or G 1/2	22	16	6.6 or 8.5	45	0.31	0.56
1 NPT	1/2 NPT or G 1/2	27	19	6.6 or 8.5	45	0.50	0.84

Suitable stem lengths for mechanical thermometers

Connection design	Stem length I ₁
S / 4 / 5	I ₁ = U + H - 10 mm
2	I ₁ = U + H - 30 mm

Modifications may take place and materials specified may be replaced by others without prior notice. Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.



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