

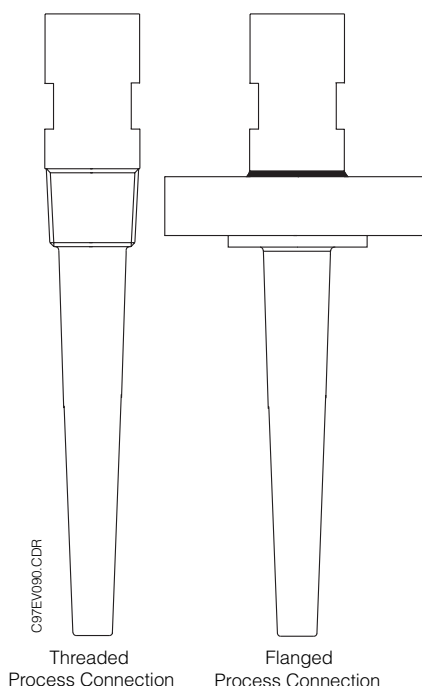
Industrial Protecting Tube *omnigrad TA550*

Heavy duty - General purpose

From round bar stock - $\varnothing$ 30 mm

3/4" NPT threaded or flanged weld type

Also ME U819.02 - type 2



Description

TA550 is an industry standard thermowell manufactured from round bar stock (drilled).

The process connection can be threaded or flanged weld.

The thermowell stem shape can be straight or conical.

The extension and the immersion lengths as well as the bar dimensions can be chosen according to process requirements.

A wide choice of standard materials and process connections is available; other versions can be ordered according to specification.

Different grades of surface finishing are also available.

Application

TA550 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Round bar

Standard reference:	ME U819.02 - type 2
Extension O.D.:	30 mm
Immersion O.D.:	≤ 22 mm
Standard extension length:	70 mm
Standard bore diameter:	7 or 8 mm
Standard material:	AISI316 / W.1.4401, AISI316L / W.1.4404

Connection to thermometer

Threaded: 1/2" NPT - female

Process connection

Type:	threaded or flanged weld
Thread:	3/4" NPT
Flange type:	ANSI slip-on
Flange material:	AISI316 or A105
Flange mounting:	threaded and back welded - 3 x 3 mm wide

Tip

Bottom shape:	straight or conical
Standard bottom thickness:	6 mm

Surface

Finishing: refer to the Order key

Quality made by
Endress+Hauser



ISO 9001

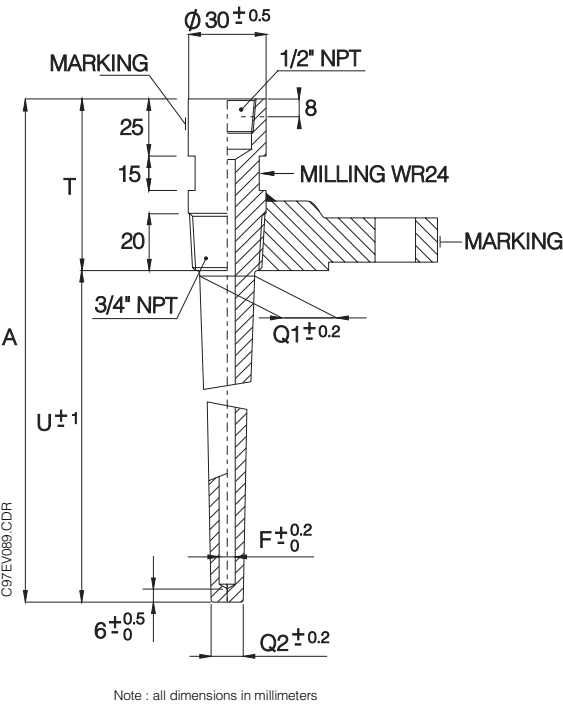
Endress+Hauser

Nothing beats know-how



Order key

TA550 - Heavy duty thermowell - General purpose - From round bar stock
Ø 30 mm - 3/4" NPT threaded or flanged weld type - Also ME U819.02 - type 2



Extension T \ Outside diameter Q1 \ Taper diameter Q2 [2]
A - T = 70 mm \ Q1 = 20 mm \ Q2 = 14 mm (ME U Type 2)
Y - T = mm \ Q1 = mm (Q1 max = 22 mm) \ Q2 = mm (to specification) [1]

Immersion Length U (60 ÷ 930 mm) [2]

- TA - 60 mm
- TB - 70 mm
- TC - 100 mm
- TD - 120 mm
- TE - 130 mm
- TF - 150 mm
- TG - 180 mm
- TH - 200 mm
- TJ - 210 mm
- TK - 220 mm
- TL - 250 mm
- TM - 255 mm
- TN - 260 mm
- TP - 270 mm
- TQ - 305 mm
- TR - 310 mm
- TS - 340 mm
- TT - 350 mm
- TU - 390 mm
- TV - 400 mm
- TW - 450 mm
- TX - 500 mm
- TZ - 600 mm
- YY - mm length to specification

Material of Nominal Length A (U+T)

- C - AISI316 - W. 1.4401
- D - AISI316L - W. 1.4404
- Y - Material to specification

Finishing of Immersion Length U

- 1 - 0.8 micron - standard
- 2 - 0.2 micron

Process connection / material

See next page

Flange finishing

- 1 - Not required (Without flange)
- 2 - Standard for ASME / ANSI
- 9 - On request

Bore diameter F

- 1 - F = 7 mm
- 2 - F = 8 mm
- 9 - F = mm (to specification) [1]

Plug and chain

- A - Without plug and chain
- B - AISI 304 plug and chain

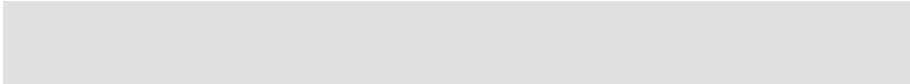
Markings

- 0 - None
- 1 - Punched on

TA550- Complete Order Code

Notes : [1] Wall thickness 3 mm minimum (Q2 - F) / 2 ≥ 3 mm
[2] Nominal Length A: 130 ÷ 1000 mm

Order key
(continued)



Process connection / material

Threaded
AA - 3/4" NPT

- Flanged**
Slip-on
CD - Slip-on 1" ANSI 300 RF - AISI 316
CE - Slip-on 1" ANSI 300 RF - A 105
CF - Slip-on 1" ANSI 600 RF - AISI 316
CG - Slip-on 1" ANSI 600 RF - A 105
CK - Slip-on 1 1/2" ANSI 300 RF - AISI 316
CL - Slip-on 1 1/2" ANSI 300 RF - A 105
CM - Slip-on 1 1/2" ANSI 600 RF - AISI 316
CN - Slip-on 1 1/2" ANSI 600 RF - A 105
CP - Slip-on 1 1/2" ANSI 600 RTJ - AISI 316
CQ - Slip-on 1 1/2" ANSI 600 RTJ - A 105
CV - Slip-on 2" ANSI 300 RF - AISI 316
CW - Slip-on 2" ANSI 300 RF - A 105
CX - Slip-on 2" ANSI 300 RTJ - AISI 316
CZ - Slip-on 2" ANSI 300 RTJ - A 105
DA - Slip-on 2" ANSI 600 RF - AISI 316
DB - Slip-on 2" ANSI 600 RF - A 105
DC - Slip-on 2" ANSI 600 RTJ - AISI 316
DD - Slip-on 2" ANSI 600 RTJ - A 105

YY - Process connection / material to specification



Product designation for process connection / material

Export Division

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