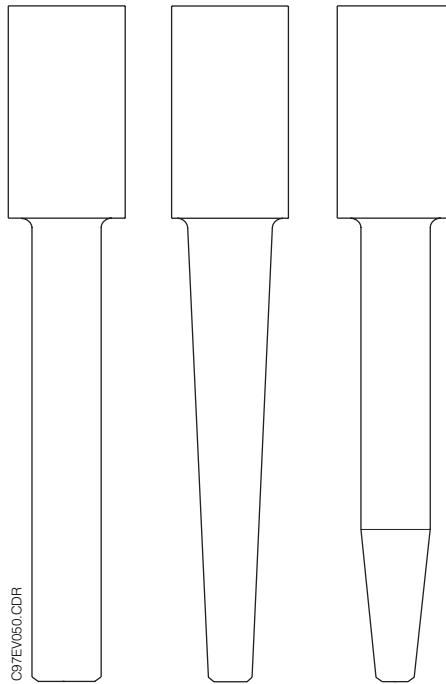


Industrial Protecting Tube *omnigrad TA570*

**Heavy duty - General purpose
From round bar stock**

**Socket weld type - $\varnothing 49 \div 35$ mm
Also Dow Chemical G6D-7001-00**



Straight

Conical

Conical Tapered

Description

TA570 is an industry standard thermowell, manufactured from round bar stock. The process connection is socket weld. The thermowell stem shape can be straight, conical or conical tapered. 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 is available; other versions can be ordered according to specification. Different grades of surface finishing are also available.

Application

TA570 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Round bar

Standard reference: Dow Chemical G6D-7001-00
Socket size diameter: $49 \div 35$ mm
Immersion O.D.: \leq socket size diameter
Standard extension length: 75 mm
Standard bore diameter: 7 mm
Standard material: AISI316Ti / W.1.4571, AISI316 / W.1.4401, AISI316L / W.1.4404

Connection to thermometer

Thread: 1/2" NPT, 1/2" NPSM, 1/2" BSP (G1/2"), 1/2" BSPF - female

Process connection

Type: socket weld

Tip

Bottom shape: straight, conical or conical tapered

Standard bottom thickness: 6 mm

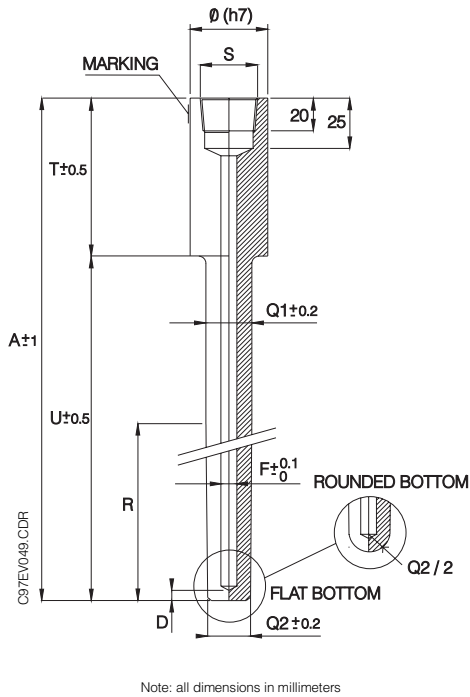
Surface

Finishing: 0.8 micron - standard
0.2 micron



Order key

TA570 - Heavy duty thermowell - General purpose - From round bar stock
Socket weld type - $\varnothing 49 \pm 35$ mm
Also Dow Chemical G6D-7001-00



Thermometer connection S

- 1 - 1/2" NPSM (Dow standard) (*)
- 2 - 1/2" NPT
- 3 - 1/2" BSP (G 1/2")
- 4 - 1/2" BSPF

Extension T \ Socket size \varnothing [2]

Outside diameter Q1 \ Taper diameter Q2 \ Taper length R

- 1 - T = 75 mm \ $\varnothing = 48$ mm
- Q1 = 25 mm \ Q2 = 18 mm \ R = 0 mm

- 9 - T = \ $\varnothing =$

Q1 = \ Q2 = \ R = to specification [1]

Immersion Length U (50 + 925 mm) [2]

- UA - 150 mm (Dow standard)
- UB - 225 mm (Dow standard)
- YY - mm length to specification

Material of Nominal Length A (U+T)

- B - AISI316Ti / W. 1.4571
- 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

Bottom thickness D / Tip shape

- B - 6 mm bottom / Flat (Dow standard)
- D - 6 mm bottom / Rounded 1/2 Q2
- Y - Bottom thickness and tip shape to specification

Bore diameter F

- 1 - 7 mm bore
- 9 - Bore to specification [1]

Plug and chain

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

Markings

- 0 - None
- 1 - Punched on

TA570-

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Complete Order Code

Notes : (*) Thermowell thread complete with 1/2" NPS plug.
 NPSM internal pipe thread will accept both NPT
 and NPS male thread.

- [1] Wall thickness 3 mm minimum: $(Q2 - F) / 2 \geq 3$ mm
- [2] Nominal Length A: 125 + 1000 mm

Supplementary documentation

- Industrial Protecting Tubes
- Technical Information TI138T/02/en

Export Division

Endress+Hauser
 Instruments International
 GmbH + Co.
 P.O. Box 2222
 D-79574 Weil am Rhein
 Germany
 Tel. (7621) 975-02
 Tx 7-73-926
 Fax (7621) 9-75-345

Endress+Hauser
 Nothing beats know-how

