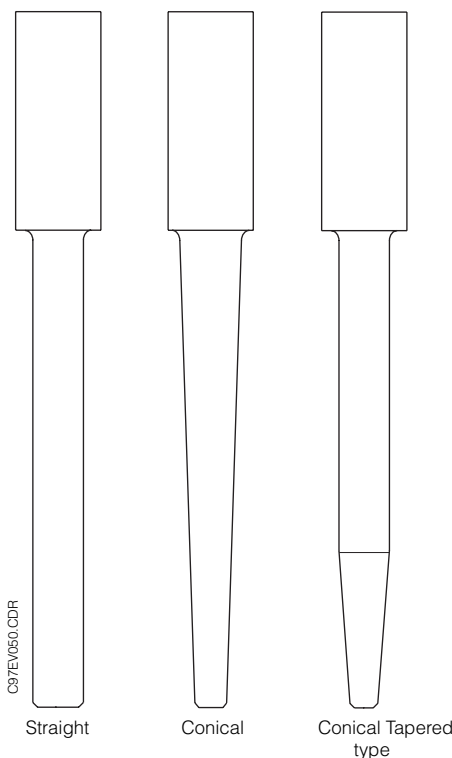


Industrial Protecting Tube *omnigrad TA572*

Heavy duty - General purpose
From round bar stock

Socket weld type - $\varnothing 29 \div 25$ mm
Also Du Pont SR21T/SR22T



Description

TA572 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

TA572 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Round bar

Standard reference:	Du Pont SR21T/SR22T
Socket size diameter:	$29 \div 25$ mm
Immersion O.D.:	\leq socket size diameter
Standard extension length:	$43 \div 222$ mm
Standard bore diameter:	7 mm or 8 mm
Standard material:	AISI316Ti / W.1.4571, AISI316 / W.1.4401, AISI316L / W.1.4404

Connection to thermometer

Thread:	1/2" NPT, 1/2" NPSC- female
---------	-----------------------------

Process connection

Type:	socket weld
-------	-------------

Tip

Bottom shape:	straight, conical or conical tapered
Standard bottom thickness:	5 mm or 6 mm

Surface

Finishing:	0.8 micron - standard 0.2 micron
------------	-------------------------------------



Order key

TA572 - Heavy duty thermowell - General purpose - From round bar stock
Socket weld type - Ø 29 ÷ 25 mm - Also Du Pont SR21T/SR22T

Thermometer connection S

- 1 - 1/2" NPT-F
2 - 1/2" NPSC-F
9 - To specification

Extension T \ Socked size Ø [2]

Outside diam. Q1 \ Taper diam. Q2 \ Taper length R

- A - T = 45 mm (1 3/4") \ Ø = 27 mm (1 1/16")
Q1 = 22 mm (7/8") \ Q2 = 19.5 mm (49/64") \ R = None
B - T = 43 mm (1 11/16") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 13 mm (1/2") \ R = None (Du Pont std.)
C - T = 68 mm (2 11/16") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 13 mm (1/2") \ R = None (Du Pont std.)
D - T = 145 mm (5 11/16") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 13 mm (1/2") \ R = None (Du Pont std.)
E - T = 221 mm (8 11/16") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 13 mm (1/2") \ R = None (Du Pont std.)
F - T = 45 mm (1 3/4") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 19 mm (3/4") \ R = None (Du Pont std.)
G - T = 70 mm (2 3/4") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 19 mm (3/4") \ R = None (Du Pont std.)
H - T = 146 mm (5 3/4") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 19 mm (3/4") \ R = None (Du Pont std.)
J - T = 222 mm (8 3/4") \ Ø = 27 mm (1 1/16")
Q1 = 27 mm (1 1/16") \ Q2 = 19 mm (3/4") \ R = None (Du Pont std.)
Y - T = \ Ø =

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

Immersion Length U (50 ÷ 960 mm) [2]

TA - 100 mm

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

- C - 6 mm (1/4") (Du Pont std.)
D - 5 mm (3/16") (Du Pont std.)
Y - Bottom to specification

Bore diameter F

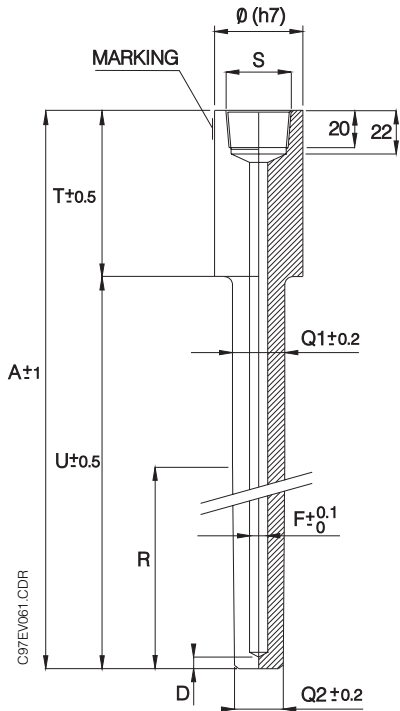
- 1 - 7 mm
2 - 8 mm
9 - Bore to specification [1]

Plug and chain

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

Markings

- 0 - None
1 - Punched on



Note : all dimensions in millimeters

TA572- Complete Order Code

Notes : [1] Wall thickness 3 mm minimum (Q2 - F) ≥ 3 mm
[2] Nominal Length A: 90 ÷ 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

