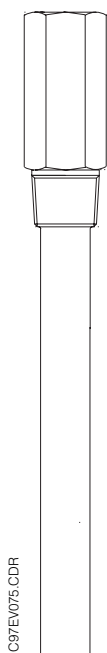


Industrial Protecting Tube *omnigrad TA562*

Heavy duty - General purpose
From hexagonal bar stock
1/2" NPT or 3/4" NPT threaded process connection
Also DuPont SR1T/SR2T



Straight



Tapered

Description

TA562 is an industry standard thermowell, manufactured from hexagonal bar stock. The process connection is threaded. The thermowell stem shape can be straight or tapered for fast response time. 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

TA562 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Hexagonal bar

Wrench:

27 mm

O.D.:

≤ 16 mm for 1/2" NPT process connection
≤ 22 mm for 3/4" NPT process connection

Standard bore diameter:

6.5 ± 0.1 mm

Standard material:

AISI304, AISI316Ti, AISI316, AISI316L

Connection to thermometer

Threaded:

1/2" NPT, 1/2" NPSC, G 1/2" (1/2" BSP) - female

Process connection

Threaded:

1/2" NPT or 3/4" NPT

Tip

Bottom shape:

straight or tapered

Bottom thickness:

6.35 mm

Surface

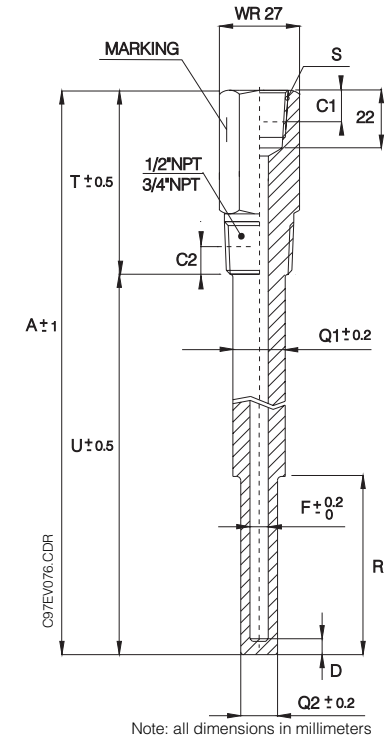
Finishing:

0.8 micron - standard
0.2 micron



Order key

- Notes:
- (1) Wall thickness 3 mm minimum
(Q2 - F) / 2 ≥ 3 mm
 - (2) Q1 max = 16 mm for P = 1/2" NPT
Q1 max = 22 mm for P = 3/4" NPT



Connection to thermometer	
Thread	Engagement length C1
1/2" NPT	8 mm
1/2" NPSC	8 mm
G 1/2"	18 mm

Table A

Process Connection	
Thread	Engagement length C2
1/2" NPT	8 mm
3/4" NPT	8.5 mm

Table B

Supplementary documentation

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

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1/2" NPT or 3/4" NPT threaded process connection - Also DuPont SR1T/SR2T

Thermometer Connection S

- 1 - 1/2" NPT
- 2 - 1/2" NPSC
- 3 - G 1/2" (1/2" BSP)
- 9 - To specify

Extension Length T (40 ÷ 150 mm)

- A - 40 mm (1 1/2")
- B - 45 mm (1 3/4")
- C - 70 mm (2 3/4")
- D - 95 mm (3 3/4")
- 1 - 50 mm
- 2 - 60 mm
- 3 - 75 mm
- 4 - 110 mm

Y - mm to specification

Process connection P \ Taper length R \ Outside diameter Q1 \ Taper diameter Q2

- A - P = 1/2" NPT \ R = 63.5 mm (2 1/2") \ Q1 = 12.7 mm (1/2") \ Q2 = 12.7 mm (1/2")
- B - P = 1/2" NPT \ R = 63.5 mm (2 1/2") \ Q1 = 16 mm (5/8") \ Q2 = 12.7 mm (1/2")
- C - P = 3/4" NPT \ R = 63.5 mm (2 1/2") \ Q1 = 12.7 mm (1/2") \ Q2 = 12.7 mm (1/2")
- D - P = 3/4" NPT \ R = 63.5 mm (2 1/2") \ Q1 = 19 mm (3/4") \ Q2 = 12.7 mm (1/2")
- E - P = 3/4" NPT \ R = None \ Q1 = 13 mm \ Q2 = 13 mm
- F - P = 3/4" NPT \ R = 165 mm \ Q1 = 19 mm \ Q2 = 13 mm
- G - P = 3/4" NPT \ R = None \ Q1 = 15 mm \ Q2 = 15 mm
- H - P = 3/4" NPT \ R = 165 mm \ Q1 = 19 mm \ Q2 = 15 mm
- Y - P = \ R = \ Q1 = \ Q2 = (To specification) (1), (2)

Immersion Length U (50 ÷ 850 mm)

- UC - 63.5 mm (2 1/2")
- UD - 114.5 mm (4 1/2")
- UL - 152.5 mm (6")
- UE - 190.5 mm (7 1/2")
- UM - 203 mm (8")
- UF - 266.5 mm (10 1/2")
- UG - 343 mm (13 1/2")
- UH - 419 mm (16 1/2")
- UJ - 495.5 mm (19 1/2")
- UK - 571.5 mm (22 1/2")

YY - mm to specification

Material of Nominal Length A (U+T)

- A - AISI 304 - W.1.4301
- B - AISI 316 Ti - W. 1.4571
- C - AISI 316 - W. 1.4401
- D - AISI 316 L - W. 1.4404
- Y - Material to specification

Finishing of Immersion Length U

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

Bore diameter F \ Bottom thickness D

- 3 - F = 6.5 mm \ D = 6.35 mm
- 5 - F = 10 mm \ D = 6.35 mm (1)
- 9 - F = mm \ D =mm to specification (1)

Plug and chain

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

Markings

- 0 - None
- 1 - Punched on

TA562-

Complete Order Code

Export Division

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Endress+Hauser
Nothing beats know-how

