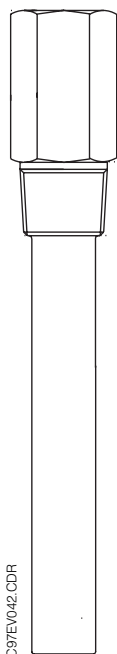


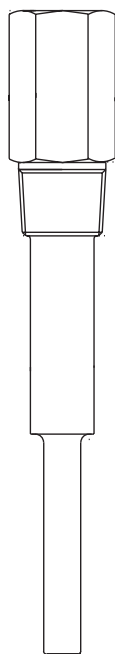
Industrial Protecting Tube *omnigrad TA566*

Heavy duty - General purpose
From hexagonal bar stock
1" NPT threaded process connection



C97EV042.CDR

Straight



Tapered

Description

TA566 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 can be chosen according to process requirements. A wide choice of standard diameters and materials is available; other versions can be ordered according to specification. Different grades of surface finishing are also available.

Application

TA566 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Hexagonal bar

Wrench:	36 mm
O.D.:	≤ 28 mm
Standard bore diameter:	6.5 mm or 13 mm
Standard material:	AISI316Ti, AISI316, AISI316L

Connection to thermometer

Threaded:	1/2" NPT - female
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Process connection

Threaded:	1" NPT
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Tip

Bottom shape:	straight or tapered
Bottom thickness:	6.35 mm

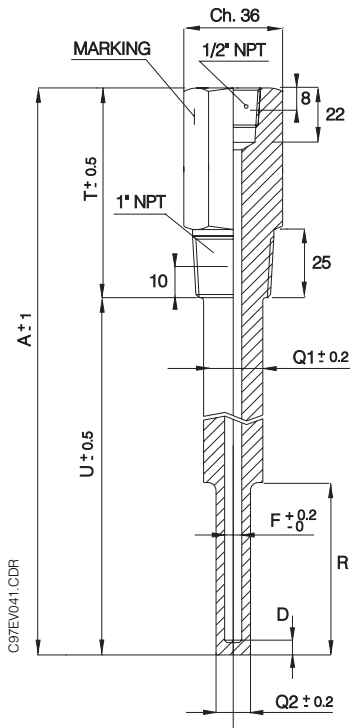
Surface

Finishing:	0.8 micron - standard
	0.2 micron



Order key

TA566- Heavy duty thermowell - General purpose - From hexagonal bar stock
1" NPT threaded process connection



Note: all dimensions in millimeters

Extension Length T (45 ÷ 150 mm)

- A - 45 mm (1 3/4")
B - 70 mm (2 3/4")
C - 95 mm (3 3/4")
1 - 50 mm
2 - 60 mm
3 - 75 mm
4 - 110 mm
Y - mm length to specification

Outside diameter Q1 \ Taper diameter Q2 \ Taper length R

- A - Q1 = 12.7 mm (1/2") \ Q2 = 12.7 mm (1/2") \ R = 63.5 mm (2 1/2")
B - Q1 = 22 mm (7/8") \ Q2 = 12.7 mm (1/2") \ R = 63.5 mm (2 1/2")
1 - Q1 = 25 mm \ Q2 = 20 mm \ R = 75 mm (1)
Y - Q1 = (Q1 max=28 mm) \ Q2 = ... \ R = to specification (2)

Immersion Length U (50 ÷ 850 mm)

- UC - 63.5 mm (2 1/2")
UD - 114.5 mm (4 1/2")
UE - 190.5 mm (7 1/2")
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 length to specification

Material of Nominal Length A (U+T)

- 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 = 13 mm \ D = 6.35 mm (1)
9 - F = mm bore \ D =mm bottom to specification (2)

Plug and chain

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

Markings

- 0 - None
1 - Punched on

TA566-										Complete Order Code
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Notes: (1) Bore diameter F=13 mm only for position (1)
(2) Wall thickness 3 mm minimum
(Q2 - F) / 2 ≥ 3 mm.

Supplementary documentation

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

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Nothing beats know-how

