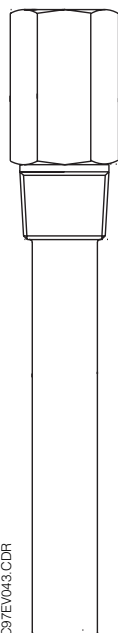
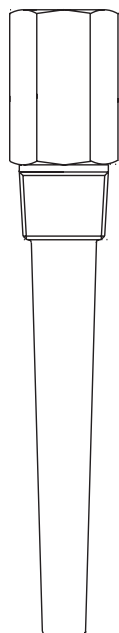


Industrial thermowell *omnigrad TA565*

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



Straight



Conical

Description

TA565 is an industry standard thermowell, manufactured from hexagonal bar stock. The process connection is threaded. The thermowell stem shape can be straight or conical. The extension and the immersion 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

TA565 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 ÷ 10 mm
Material: AISI 316 Ti, AISI 316, AISI 316 L

Connection to thermometer

Threaded: 1/2" NPT - female

Process connection

Threaded: 1" NPT

Tip

Bottom shape: straight or conical
Bottom thickness: 6.35 mm

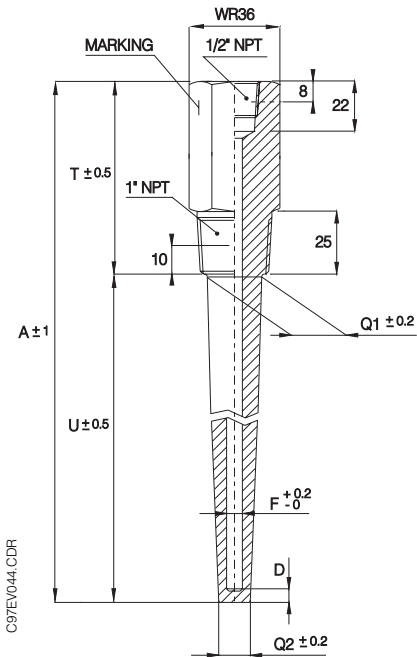
Surface

Finishing: 0.8 micron - standard
0.2 micron



Order key

TA565 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 \ Outside diameter Q2

- A - Q1 = 27 mm (1 1/16") \ Q2 = 16 mm (5/8")
B - Q1 = 19.5 mm (49/64") \ Q2 = 19.5 mm (49/64")
C - Q1 = 27 mm (1 1/16") \ Q2 = 19.5 mm (49/64")
1 - Q1 = 20 mm \ Q2 = 20 mm
2 - Q1 = 25 mm \ Q2 = 20 mm
Y - Q1 = mm (Q1 max = 28 mm) \ Q2 = mm (to specification) (1)

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 = 10 mm \ D = 6.35 mm
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

TA565-										Complete Order Code
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Note (1) : 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

