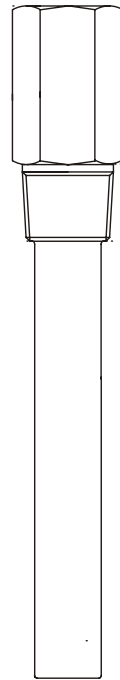


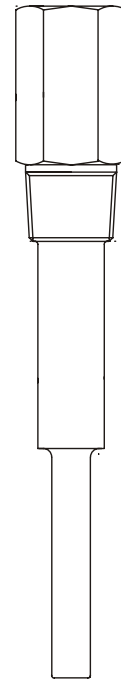


Industrial Protecting Tube *omnigrad TA566*

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



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:	AISI316 Ti, AISI316, AISI316 L

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

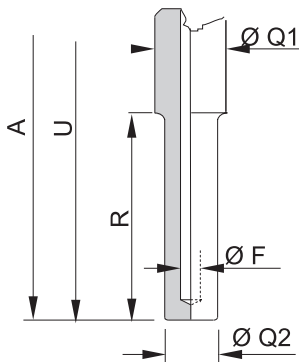
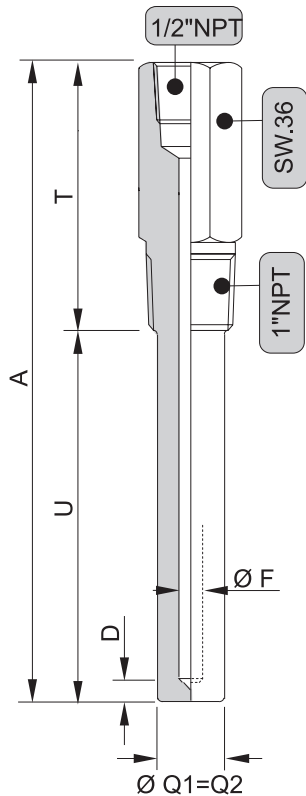
Surface	Finishing:	0.8 micron - standard 1.6 micron
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Order key

Notes:

(1) Bore diameter F = 13mm only for position (1)

(2) Wall thickness 3 mm minimum
 $(Q2 - F) / 2 \geq 3 \text{ mm}$



TA566-

HEAVY DUTY THERMOWELL - General purpose - From hexagonal bar stock

1" NPT threaded process connection

Extension Length T (45-150mm)

- | | | |
|---|-----|----------------------------------|
| 1 | 50 | mm extension length T |
| 3 | 75 | mm extension length T |
| 4 | 110 | mm extension length T |
| Y | | mm ext.length T to specification |

Outside diameter Q1/Taper diameter Q2 Taper length R

- A 12,7mm (1/2")=Q1 / 12,7mm (1/2")=Q2
63,5mm (2 1/2")=R

- B $22 \text{ mm } (7/8") = Q1 / 12,7 \text{ mm } (1/2") = Q2$
 $63,5 \text{ mm } (2 1/2") = R$

- 1 25 mm = Q1 / 20 mm = Q2 / 75 mm = R **(1)**
Y ...=Q1(max 28mm)/...=Q2/...=R to spec. **(2)**

Immersion length U (50-850mm)

- XX mm immersion length to specif.
YY mm special immersion length

Material: price for mm total length A (U+T)

- B Thermowell material: SS316Ti / 1.4571
C Thermowell material: SS316 / 1.4401
D Thermowell material: SS316L / 1.4404
Y Material to specification

Finishing of Immersion Length

- | | |
|---|---------------------------------------|
| 4 | 1,6 micron finishing immersion length |
| 1 | 0,8 micron finishing immersion length |

Bore diameter F/Bottom thickness D

- 3 6,5 mm=F/6,35 mm=D
5 13 mm=F/6,35 mm=D **(1)**
9 ... mm=F/... mm=D to specification **(2)**

Plug and chain

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

Markings

- | | |
|---|------------|
| 0 | None |
| 1 | Punched on |

TA566-							
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Complete Order Code

**Supplementary
Documentation**

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



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