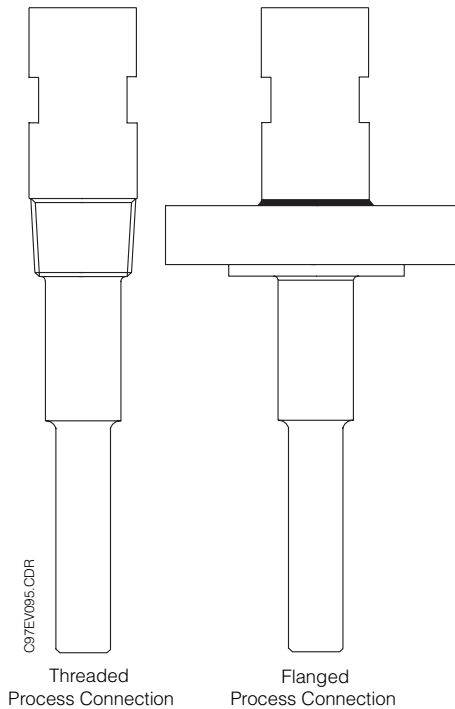


# Industrial Protecting Tube *omnigrad TA556*

**Heavy duty - General purpose**

**From round bar stock -  $\varnothing$  35 mm  
1" NPT threaded or flanged weld type  
Also ENI BAR 3 & BAR 4**



## Description

TA556 is an industry standard thermowell manufactured from round bar stock (drilled).

The process connection can be threaded or flanged weld.

The thermowell stem shape can be straight or tapered.

The extension and the immersion lengths as well as the bar dimensions can be chosen according to process requirements.

A wide choice of standard materials and process connections is available; other versions can be ordered according to specification.

Different grades of surface finishing are also available.

## Application

TA556 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

## Technical data

### Round bar

Standard reference:	ENI BAR 3 & BAR 4
Extension O.D.:	35 mm
Immersion O.D.:	$\leq 28$ mm
Standard extension length:	100 mm
Standard bore diameter:	10 or 14 mm
Standard material:	AISI316 / W.1.4401, AISI316L / W.1.4404

### Connection to thermometer

Threaded: 3/4" NPT - female

### Process connection

Type:	threaded or flanged weld
Thread:	1" NPT
Flange type:	ANSI slip-on
Flange material:	AISI316 or A105
Flange mounting:	threaded and back welded - 3 x 3 mm wide

### Tip

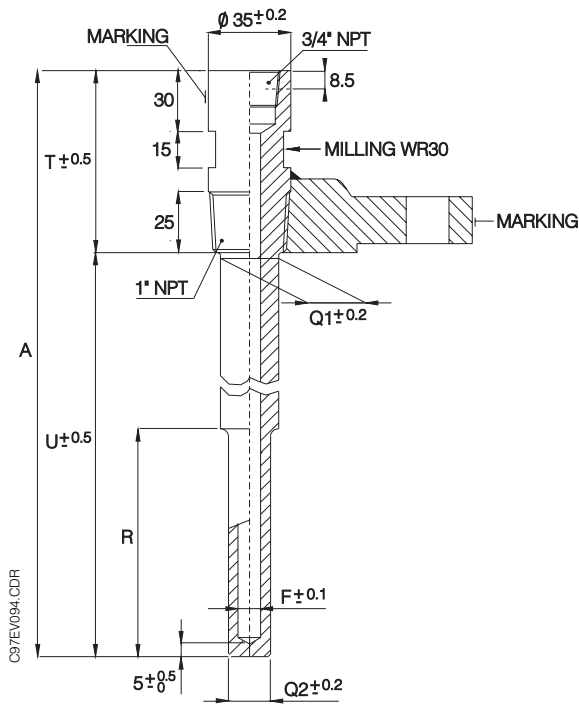
Bottom shape:	straight or tapered
Standard bottom thickness:	5 mm

### Surface

Finishing: refer to the Order key

# Order key

**TA556 - Heavy duty thermowell - General purpose - From round bar stock**  
**Ø 35 mm - 1" NPT threaded or flanged weld type - Also ENI BAR 3 & BAR 4**



Note : all dimensions in millimeters

**Extension T \ Outside diameter Q1 \ Taper diameter Q2 \ Taper length R [2]**  
 A - T = 100 mm \ Q1 = 25 mm \ Q2 = 20 mm \ R = 110 mm (ENI BAR 3)  
 B - T = 100 mm \ Q1 = 25 mm \ Q2 = 16 mm \ R = 110 mm (ENI BAR 4)  
 Y - T = ... mm \ Q1 = ... mm (Q1 max = 28 mm) \ Q2 = ... mm \ R = ... mm (to specification) [1]

**Immersion Length U (60 ÷ 900 mm) [2]**

- TF - 150 mm
- TG - 180 mm
- TH - 200 mm
- TJ - 210 mm
- TK - 220 mm
- TL - 250 mm
- TM - 255 mm
- TN - 260 mm
- TP - 270 mm
- TQ - 305 mm
- TR - 310 mm
- TS - 340 mm
- TT - 350 mm
- TU - 390 mm
- TV - 400 mm
- TW - 450 mm
- TX - 500 mm
- TZ - 600 mm
- YY - ..... mm length to specification

**Material of Nominal Length A (U+T)**

- 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

**Process connection / material**

See next page

**Flange finishing**

- 1 - Not required (Without flange)
- 2 - Standard for ASME / ANSI
- 9 - On request

**Bore diameter F**

- 5 - F = 10 mm (ENI BAR 4)
- 6 - F = 14 mm (ENI BAR 3)
- 9 - F = .... mm (to specification) [1]

**Plug and chain**

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

**Markings**

- 0 - None
- 1 - Punched on

TA556-

**Complete Order Code**

Notes: [1] Wall thickness 3 mm minimum (Q2 - F) / 2 ≥ 3 mm  
 [2] Nominal Length A: 160 ÷ 1000 mm

## Order key (continued)

### Process connection / material

#### Threaded

AA - 1" NPT

#### Flanged

##### Slip-on

CD - Slip-on 1" ANSI 300 RF - AISI 316  
CE - Slip-on 1" ANSI 300 RF - A 105  
CF - Slip-on 1" ANSI 600 RF - AISI 316  
CG - Slip-on 1" ANSI 600 RF - A 105  
CK - Slip-on 1 1/2" ANSI 300 RF - AISI 316  
CL - Slip-on 1 1/2" ANSI 300 RF - A 105  
DE - Slip-on 1 1/2" ANSI 300 RTJ - AISI 316  
DF - Slip-on 1 1/2" ANSI 300 RTJ - A 105  
CM - Slip-on 1 1/2" ANSI 600 RF - AISI 316  
CN - Slip-on 1 1/2" ANSI 600 RF - A 105  
CP - Slip-on 1 1/2" ANSI 600 RTJ - AISI 316  
CQ - Slip-on 1 1/2" ANSI 600 RTJ - A 105  
CV - Slip-on 2" ANSI 300 RF - AISI 316  
CW - Slip-on 2" ANSI 300 RF - A 105  
CX - Slip-on 2" ANSI 300 RTJ - AISI 316  
CZ - Slip-on 2" ANSI 300 RTJ - A 105  
DA - Slip-on 2" ANSI 600 RF - AISI 316  
DB - Slip-on 2" ANSI 600 RF - A 105  
DC - Slip-on 2" ANSI 600 RTJ - AISI 316  
DD - Slip-on 2" ANSI 600 RTJ - A 105

YY - Process connection / material to specification

Product designation for process connection / material

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**Export Division**

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