

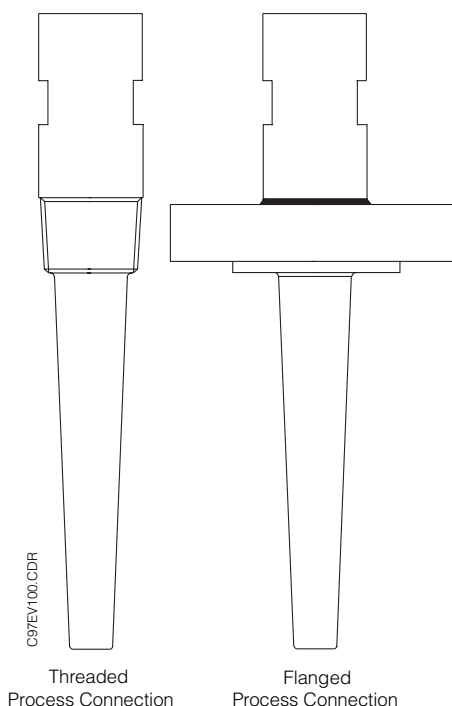
# Industrial Protecting Tube *omnigrad TA557*

## Heavy duty - General purpose

From round bar stock -  $\varnothing$  35 mm

1" NPT threaded or flanged weld type

Also ENI BAR 1



### Description

TA557 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 conical.

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

TA557 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

### Technical data

#### Round bar

|                            |                                         |
|----------------------------|-----------------------------------------|
| Standard reference:        | ENI BAR 1                               |
| Extension O.D.:            | 35 mm                                   |
| Immersion O.D.:            | $\leq 28$ mm                            |
| Standard extension length: | 100 mm                                  |
| Standard bore diameter:    | 8 mm                                    |
| Standard material:         | AISI316 / W.1.4401, AISI316L / W.1.4404 |

#### Connection to thermometer

|           |                   |
|-----------|-------------------|
| Threaded: | 1/2" 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 conical |
| Standard bottom thickness: | 5 mm                |

#### Surface

|            |                        |
|------------|------------------------|
| Finishing: | refer to the Order key |
|------------|------------------------|





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

---

**Export Division**

---

Endress+Hauser  
Instruments International  
GmbH + Co.  
P.O. Box 2222  
D-79574 Weil am Rhein  
Germany  
Tel. (7621) 975-02  
Tx 7-73-926  
Fax (7621) 9-75-345

