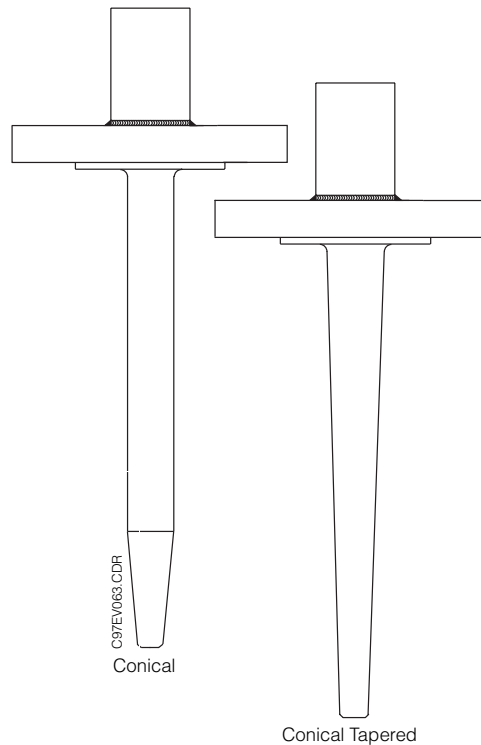


Industrial Protecting Tube *omnigrad TA576*

**Heavy duty - General purpose
From round bar stock**

**Flanged weld type - $\varnothing 29 \div 25$ mm
Also Du Pont SR6T/SR7T**



Description

TA576 is an industry standard thermowell, manufactured from round bar stock.

The process connection is flanged, seal welded or full penetration.

The thermowell stem shape can be straight, conical or conical tapered.

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

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

Different grades of flange finishing are also available.

Application

TA576 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Round bar

Standard reference:	Du Pont SR6T/SR7T
Extension O.D.:	29 \div 25 mm
Immersion O.D.:	\leq extension O.D.
Standard extension length:	56 \div 58 mm
Standard bore diameter:	6.5 \div 10 mm
Standard material:	AISI316Ti / W.1.4571, AISI316 / W.1.4401, AISI316L / W.1.4404

Connection to thermometer

Threaded: 1/2" NPT, 1/2" NPSC

Process connection

Type:	flanged weld
Flange type:	ANSI blind, DIN 2527/2526 Form C, UNI 6000
Flange material:	AISI 316, A 105
Flange mounting:	double side standard weld or full penetration weld

Tip

Bottom shape:	straight, conical or conical tapered
Bottom thickness:	5 \div 6.5 mm

Surface

Finishing: refer to the order key

Quality made by
Endress+Hauser



ISO 9001

Endress+Hauser

Nothing beats know-how

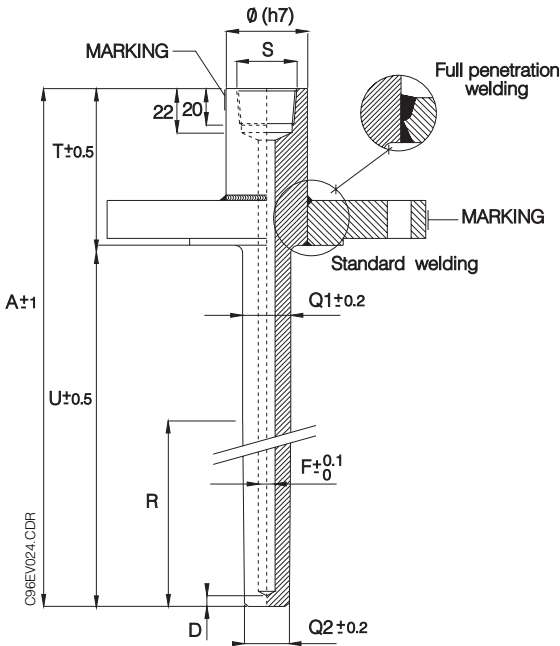


Order key

TA576- Heavy duty thermowell - General purpose - From round bar stock Flanged weld type - $\varnothing 29 \div 25$ mm - Also Du Pont SR6T/SR7T

Thermowell style

- A - Flanged, full penetration weld
- B - Flanged, standard weld



Note: all dimensions in millimeters

Extension T \ Extension outside \varnothing \ Thermometer connection S [3]

Outside diam. Q1 \ Taper diam. Q2 \ Taper length R

- A - T = 58 mm (2 1/4") \ \varnothing = 28 mm (1 1/8") \ S = 1/2" NPT
Q1 = 19 mm (3/4") \ Q2 = 19 mm (3/4") \ R = none
- B - T = 58 mm (2 1/4") \ \varnothing = 28 mm (1 1/8") \ S = 1/2" NPT
Q1 = 22 mm (7/8") \ Q2 = 22 mm (7/8") \ R = none
- C - T = 58 mm (2 1/4") \ \varnothing = 28 mm (1 1/8") \ S = 1/2" NPT
Q1 = 22 mm (7/8") \ Q2 = 16 mm (5/8") \ R = none
- D - T = 58 mm (2 1/4") \ \varnothing = 28 mm (1 1/8") \ S = 1/2" NPT
Q1 = 22 mm (7/8") \ Q2 = 19 mm (3/4") \ R = none
- E - T = 56 mm (2 15/64") \ \varnothing = 27 mm (1 1/16") \ S = 1/2" NPSC
Q1 = 27 mm (1 1/16") \ Q2 = 13 mm (17/32") \ R = 165 mm (Du Pont)
- F - T = 56 mm (2 15/64") \ \varnothing = 27 mm (1 1/16") \ S = 1/2" NPSC
Q1 = 27 mm (1 1/16") \ Q2 = 19 mm (3/4") \ R = 165 mm (Du Pont)
- G - T = 56 mm (2 15/64") \ \varnothing = 27 mm (1 1/16") \ S = 1/2" NPSC
Q1 = 27 mm (1 1/16") \ Q2 = 17 mm (43/64") \ R = 165 mm (Du Pont)
- H - T = 56 mm (2 15/64") \ \varnothing = 27 mm (1 1/16") \ S = 1/2" NPSC
Q1 = 27 mm (1 1/16") \ Q2 = 22 mm (7/8") \ R = 165 mm (Du Pont)
- Y - T = mm \ \varnothing = mm \ S =
Q1 = mm \ Q2 = mm \ R = mm (to specification) [2]

Immersion length U (50 ÷ 925 mm) [3]

- TA - 100 mm
- YY - mm length to specification

Material of Nominal Length A (U+T)

- B - AISI316Ti - W. 1.4571
- 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

Flange type / material

See next page

Flange finishing

- 2 - Standard for ASME/ANSI
- 5 - Rz 160 DIN2526
- 6 - Smooth (125 AARH) for UNI
- 9 - On request

Bore diameter F \ Bottom thickness D

- 1 - F = 0.275" (7 mm) \ D = 3/16" (5 mm) (Du Pont)
- 3 - F = 0.260" (6.5 mm) \ D = 1/4" (6.35 mm)
- 4 - F = 0.381" (9.5 mm) \ D = 1/4" (6 mm) (Du Pont)
- 5 - F = 0.385" (10 mm) \ D = 1/4" (6.35 mm)
- 9 - F =mm \ D = mm [2]

Plug and chain

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

Markings

- 0 - None
- 1 - Punched on

TA576-

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Complete Order Code

- Notes: [1] Also covering ANSI 900 pressure rating
 [2] Wall thickness 3 mm minimum
 (Q2 - F) / 2 ≤ 3 mm
 [3] Nominal Length A: 100 ÷ 1000 mm

Order key (continued)

Flange type / material

ANSI type

AB - Blind 1" ANSI 150 RF - AISI 316
AC - Blind 1" ANSI 150 RF - A 105
AD - Blind 1" ANSI 300 RF - AISI 316
AE - Blind 1" ANSI 300 RF - A 105
AF - Blind 1" ANSI 600 RF - AISI 316
AG - Blind 1" ANSI 600 RF - A 105
AH - Blind 1 1/2" ANSI 150 RF - AISI 316
AJ - Blind 1 1/2" ANSI 150 RF - A 105
AK - Blind 1 1/2" ANSI 300 RF - AISI 316
AL - Blind 1 1/2" ANSI 300 RF - A 105
BE - Blind 1 1/2" ANSI 300 RTJ - AISI 316
BF - Blind 1 1/2" ANSI 300 RTJ - A 105
AM - Blind 1 1/2" ANSI 600 RF - AISI 316
AN - Blind 1 1/2" ANSI 600 RF - A 105
AP - Blind 1 1/2" ANSI 600 RTJ - AISI 316
AQ - Blind 1 1/2" ANSI 600 RTJ - A 105
AR - Blind 1 1/2" ANSI 1500 RF - AISI 316 [1]
AS - Blind 1 1/2" ANSI 1500 RF - A 105 [1]
AV - Blind 2" ANSI 300 RF - AISI 316
AW - Blind 2" ANSI 300 RF - A 105
AX - Blind 2" ANSI 300 RTJ - AISI 316
AZ - Blind 2" ANSI 300 RTJ - A 105
BA - Blind 2" ANSI 600 RF - AISI 316
BB - Blind 2" ANSI 600 RF - A 105
BC - Blind 2" ANSI 600 RTJ - AISI 316
BD - Blind 2" ANSI 600 RTJ - A 105

DIN type

EA - DN25PN10 or 16 DIN2527/2526 Form C / AISI 316
EB - DN25PN10 or 16 DIN2527/2526 Form C / A 105
EC - DN25PN25 or 40 DIN2527/2526 Form C / AISI 316
ED - DN25PN25 or 40 DIN2527/2526 Form C / A 105
EE - DN40PN25 or 40 DIN2527/2526 Form C / AISI 316
EF - DN40PN25 or 40 DIN2527/2526 Form C / A 105
EG - DN50PN25 or 40 DIN2527/2526 Form C / AISI 316
EH - DN50PN25 or 40 DIN2527/2526 Form C / A 105

UNI type

GA - DN25PN10 or 16 UNI6092/29-6093/29 / AISI 316
GB - DN25PN10 or 16 UNI6092/29-6093/29 / A 105
GC - DN25PN25 or 40 UNI6094/29-6095/29 / AISI 316
GD - DN25PN25 or 40 UNI6094/29-6095/29 / A 105
GE - DN40PN25 or 40 UNI6094/29-6095/29 / AISI 316
GF - DN40PN25 or 40 UNI6094/29-6095/29 / A 105
GG - DN50PN25 or 40 UNI6094/29-6095/29 / AISI 316
GH - DN50PN25 or 40 UNI6094/29-6095/29 / A 105

YY - Flange type / material to specification

Product designation for flange type / material

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