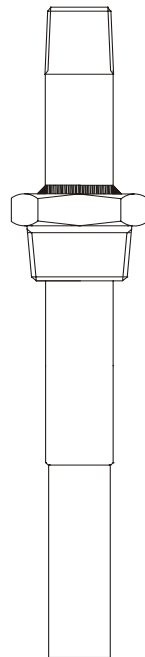
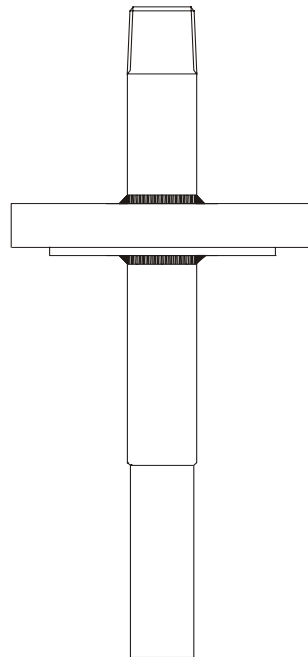


Industrial protecting tube *omnigrad TA541*

Heavy duty - General purpose
From pipe - Threaded or flanged weld type
Also ME U 819.05 - 9



Threaded
process connection



Flanged
process connection



Without
process connection

Description

TA541 is an industry standard thermowell, manufactured from pipe, with a round extension.

The process connection is threaded or flanged weld.

The thermowell stem shape can be straight or tapered for fast response time.

The extension and the immersion lengths can be chosen according to process requirements.

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

Different grades of flange finishing are also available.

Application

TA541 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Technical data

Pipe	Standard reference:	ME U 819.05 - 9
	Round extension:	pipe size
	O.D.:	1/2" sch. 40/80, 3/4 sch. 40/80
	Standard inset diameter:	6 mm
	Standard material:	AISI316/W.1.4401

Connection to thermometer	Threaded:	1/2" NPT, 3/4" NPT, G1/2", G3/4" - male
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Process connection	Type:	threaded or flanged weld
	Thread:	3/4" NPT, 1" NPT, 1 1/2" NPT
	Flange type:	ANSI blind, DIN 2527/2526 Form C, UNI6000
	Flange material:	AISI 316, A 105
	Flange mounting:	double side standard weld

Tip	Bottom shape:	straight or tapered
	Bottom thickness:	5 mm

Surface	Finishing:	refer to the order key
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Table 1

Connection to thermometer	
Thread	Engagement length C
G1/2"	25 mm
G3/4"	
1/2"NPT	8 mm
3/4" NPT	8.5 mm

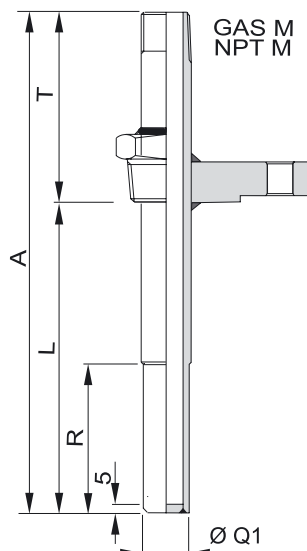
Table 2

Process connection	
Thread	Engagement length D
3/4" NPT	8.5 mm
1" NPT	10 mm
1 1/2" NPT	10.5 mm

Order key

Notes:

- (1) Only for pipe Schedule 80 (Digit UC, WC)
(2) Only for pipe Schedule 80 (Digit UC)
(3) Only for pipe size 1/2" (Digit TC, UC)
(4) Optional fitting must be ordered separately
(5) Total length A: 165-4000 mm



TA541- HEAVY DUTY THERMOWELL - General purpose - From pipe
Threaded or flanged weld type - Also ME U 819.05 - 9

Thermometer connection

- 2 NPT thermometer connection (1)
3 GAS thermometer connection

Taper diameter Q1, taper length R

- A 0 mm =R, 0 mm=Q1 straight shape type
B 100 mm =R, 20mm=Q1 (MEU819.05-9 type)(2)
Y ...mm =R, ...mm=Q1 to specification (1)

Extension Length T (65-300mm) (5)

- 9 mm extension T to specification

Immersion length L (100-3700mm) (5)

- 9 mm immersion L to specification

Total length A (T+L) (165-4000mm)

- Y mm Total length to specification

Material:

Price for mm of Total length A

Pipe size, Pipe schedule, Material

- TC 1/2" Sch.40, SS316 - W1.4401
UC 1/2" Sch.80, SS316 - W1.4401
VC 3/4" Sch.40, SS316 - W1.4401
WC 3/4" Sch.80, SS316 - W1.4401
YY Size, Sch., material to specification

Process connection type/material

- AA Without (4)
AB ANSI 1" 150 RF SS316 flange
AD ANSI 1" 300 RF SS316 flange
AH ANSI 1 1/2" 150 RF SS316 flange
AK ANSI 1 1/2" 300 RF SS316 flange
BE ANSI 1 1/2" 300 RTJ SS316
AM ANSI 1 1/2" 600 RF SS316 flange
AV ANSI 2" 300 RF SS316 flange
AX ANSI 2" 300 RTJ SS316 flange
EA DN25 PN16 C SS316L flange
EC DN25 PN40 C CS flange
EE DN40 PN40 C SS316L flange
EG DN50 PN40 C SS316L flange
GA DN25 PN16 UNI6092(93)/29 SS316
GG DN50 PN40 UNI6094(95)/29 SS316
PB 3/4" NPT mounting bushing, SS316 (3)
PC 1" NPT mounting bushing, SS316
PD 1 1/2" NPT mounting bushing, SS316
YY Flange as specified

Flange finishing

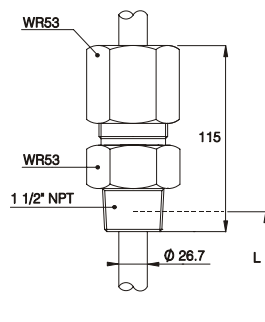
- 1 Finishing: not required
2 Finishing: standard for ASME/ANSI
5 Finishing: Rz160 DIN 2526
6 Finishing: Smooth (125 AARH) for UNI
9 Finishing: as specified

Plug and chain

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

Markings

- 0 None
1 Punched on



Optional compression fitting
model TSPV-4701AA
for 3/4" pipe size

TA541-

Complete Order Code

**Supplementary
Documentation**

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

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