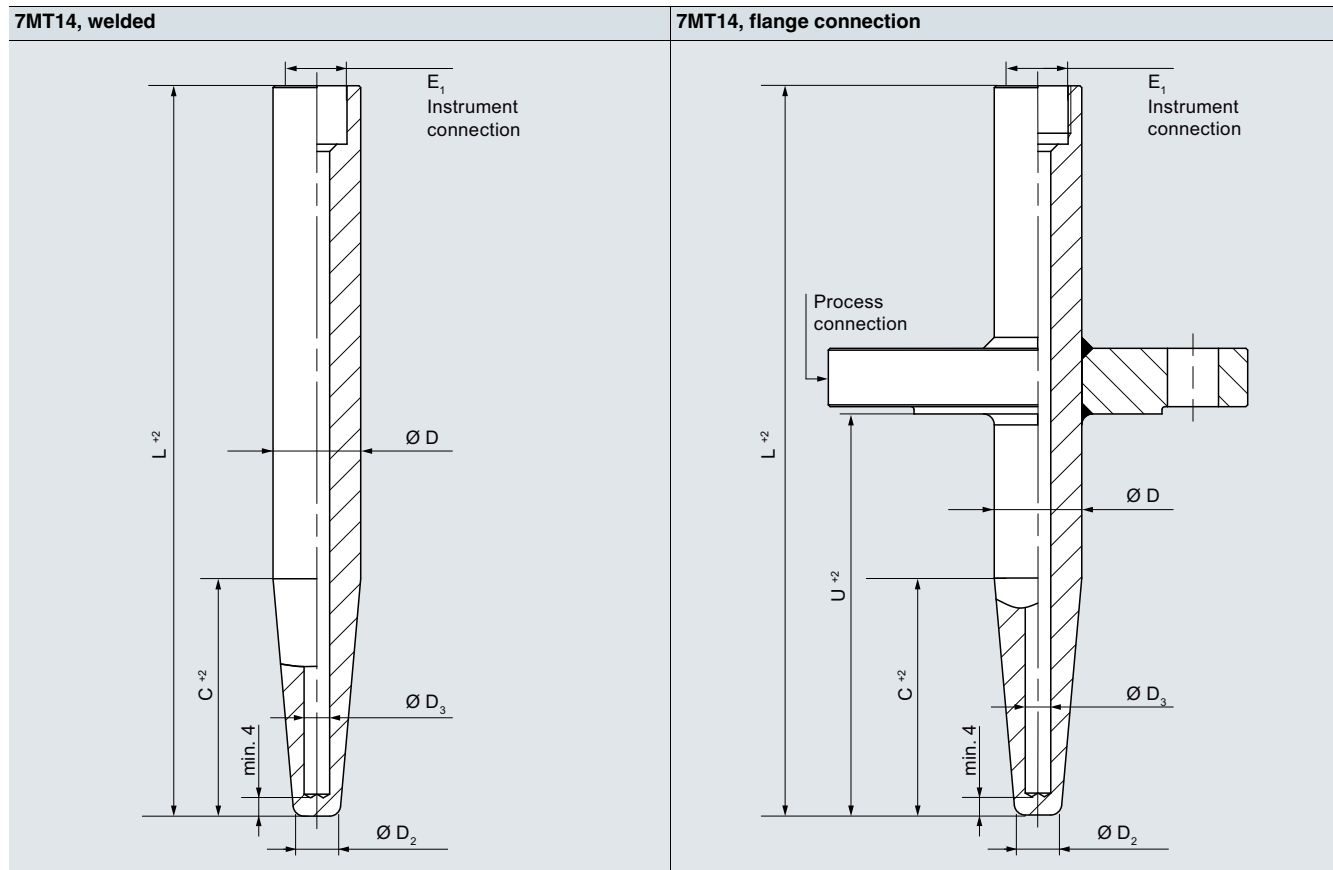


Dimensional drawings

Thermowells according to DIN 43772 - Form 4



Since March 2000, DIN 43772 replaces the retracted DIN 43763: 1986-03

The name of the D sleeves is from the previous standard but still used today. The table below shows the order information for the corresponding successor products from DIN 43772.

Design	L [mm]	C [mm]	Ordering data
D1	140	65	7MT1410-2*N00-0NQ2
D2	200	125	7MT1410-4*N00-0NQ4
D4	200	65	7MT1410-4*N00-0NQ2
D5	260	125	7MT1410-5*N00-0NQ4

Material:

- * = **A**: 1.4571
- * = **B**: 1.4404
- * = **S**: 1.7335
- * = **T**: 1.5415

Temperature Measurement

SITRANS TSthermowells

Thermowells according to DIN 43772 - Form 4

2

Selection and Ordering data

Article No.

Order code

Thermowells made of barstock according to DIN 43772 - Form 4

7 MT - - - - -

Click on the Article No. for the online configuration and configuration check in the PIA Life Cycle Portal.

Basic model

Standard	Process connection	Form
DIN	Weld-in/flange connection	Form 4/4F

1 4

External diameter of root D	External diameter of tip D2	Bore hole D3
24 mm	12.5 mm	7 mm
26 mm	12.5 mm	7 mm
32 mm	17 mm	11 mm

1
2
3

Thermowell length L

110 mm
140 mm
170 mm
200 mm
260 mm
410 mm

0 1
0 2
0 3
0 4
0 5
0 6

Thermowell material

316Ti / 1.4571
316L / 1.4404
Hastelloy C276 / 2.4819
1.7335 Heat-resistant
1.5415 Heat-resistant
PTFE coating (thermowell made of 316/Ti/L)
ECTFE (HALAR) (thermowell made of 316/Ti/L)
Stellite coating (thermowell made of 316/Ti/L)
Customer-specific thermowell

A
B
E
S
T
U
V
W
9 8 8 N

Y 9 9
+
Y 4 6

Process connection material

Without (Form 4 for welding)
316Ti / 1.4571
316L / 1.4404
Hastelloy C276 / 2.4819 (flange with flanged wheel)
1.7335 Heat-resistant
1.5415 Heat-resistant
PTFE coating (thermowell made of 316/Ti/L)
ECTFE (HALAR) (thermowell made of 316/Ti/L)
Stellite coating (thermowell made of 316/Ti/L)

N
A
B
E
S
T
U
V
W

Process connection

Without (Form 4 for welding)
Flange according DIN EN 1092-1 Sealing surface Initial: B1 for uncoated variants
• DN 40, PN 10 - 16
• DN 40, PN 25 - 40
• DN 50, PN 10 - 16
• DN 50, PN 25 - 40
Flansch according ASME B16.5 Sealing surface Initial: RF for uncoated variants
• 1.50 inch; Class 150
• 1.50 inch; Class 300
• 1.50 inch; Class 600
• 2.00 inch; Class 150
• 2.00 inch; Class 300
• 2.00 inch; Class 600
Customer-specific process connection

0 0
3 2
3 3
3 4
3 5
6 0
6 1
6 2
6 6
6 7
6 8

K 1 Y

Installation length U

For welding (no process connection)
130 mm
190 mm
340 mm
Customer-specific installation length

0 N
0 A
0 B
0 C
8 Y

Y 4 4

Temperature Measurement

SITRANS TSthermowells

Thermowells according to DIN 43772 - Form 4

Selection and Ordering data	Article No.	Order code
Thermowells made of barstock according to DIN 43772 - Form 4	7 MT	
Connection to thermometer E1 (female thread)		Q R T U W X Z
M18x1.5		
M20x1.5		
M27x2.0		
½-14 NPT		
G½		
G¾		
Special version		Q 1 Y
Cone length C		
Without (straight)		0
65 mm		2
73 mm		3
125 mm		4
133 mm		5
275 mm		6

Selection and Ordering data	Order code	Selection and Ordering data	Order code
Options		Surface treatment, options on request	
Add "-Z" to Article No. and add options, separate extensions with "+".		Wetted parts stained, neutralized and passivated	W01
Acceptance test certificate according to EN 10204-3.1		Wetted parts electropolished	W02
Material certificate for wetted parts	C12	Additional flange sealing surfaces	
PMI (positive material ident.) for wetted parts	C15	FF-Flat Face according to ASME B16.5	A70
Pressure test	C31	RTJ-Ring-Type Joint according to ASME B16.5	A71
Helium leak test	C32	Type B2 according to EN1092-1	A72
Surface crack test	C33	Type C according to EN1092-1	A73
Visual, dimensional and functional check	C34	Type D according to EN1092-1	A74
Compliance with order	C35	Additional information	
X-ray test concentricity of bore hole	C47	Add "-Z" to Article No. and specify Order code.	
X-ray test concentricity of bore hole	C48	Additional information in plain text: Process connection (material, type)	K1Y
MR-01-75 NACE conformity	C50	Additional information in plain text: Connection to thermometer E1	Q1Y
MR-01-03 NACE conformity	C53	Customer specific production	
Grease-free (cleaned for oxygen applications, for example)	C51	Processing and quotation number of special version: specify in plain text	Y99
Additional options			
Thread protection stainless steel plug and chain	A55		
Forged flange	A76		
Sealing surface with concentric lines	A77		
TAG-marking	Y15		