

Application

Designed for use as drilled from solid bar stock thermowells of resistance thermometers and thermocouples.

Features

- Instrument connection:
threads M12x1.5, M14x1.5, M18x1.5 or other
- Thermowell length:
100 mm, 140 mm, 200 mm, 260 mm or other
- Maximal process pressure and temperature
depends on thermowell dimension and its material¹⁾
- Bore diameters:
Ø3.5 mm, Ø7 mm
- Thermowell materials:
1.4401 (AISI316), 1.4404 (AISI316L)
1.4541 (AISI321), 1.4571 (AISI316Ti)
1.5415 (16Mo3), 1.7335 (15HM)
1.7380 (10H2M)

Options

- Certificate 3.1 acc. to EN 10204
- Designs per DIN 43772 (form 4)
- Other materials, threads and dimensions



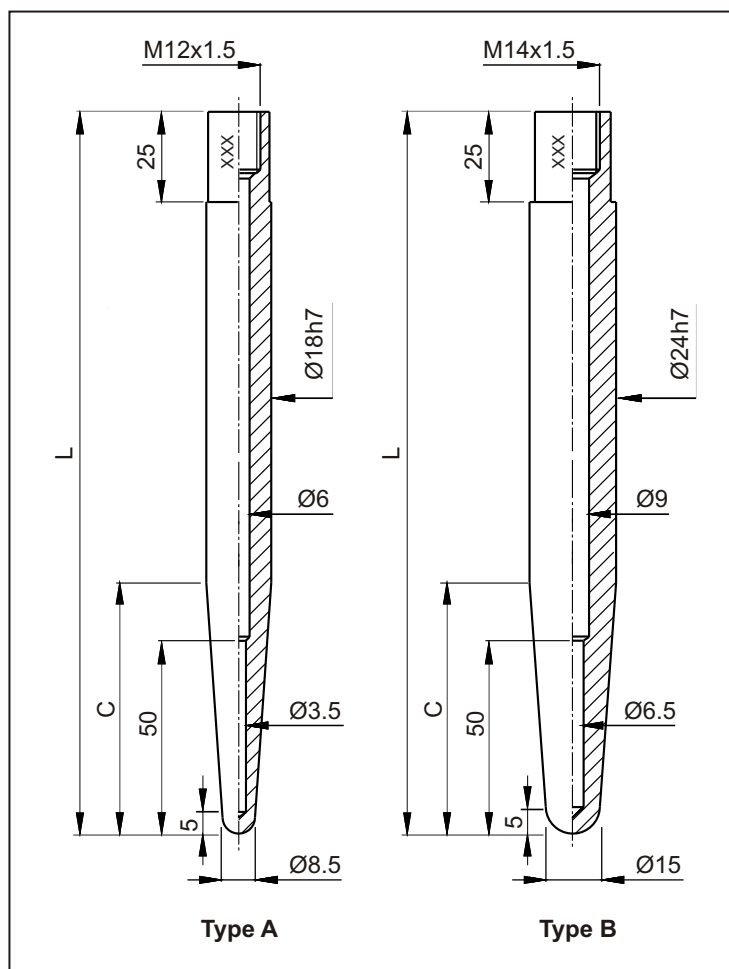
**Drilled Thermowells.
Type A, B.
PN-79/M-53857/05**



**Drilled Thermowells.
Type D, DS.
DIN 43763 (form D) / DIN 43772 (form 4)**

¹⁾ Rating depends on the parameters below:
 - Process medium
 - Process pressure and temperature
 - Flow rate
 - Design of thermowell (dimensions, material)

Designs per PN-79/M-53857/05 - Type A, B



Thermowell diameter	Length L	Length C
Type A Ø18h7	100 mm	35 mm
	140 mm	65 mm
	200 mm	
	260 mm	
Type B Ø24h7	140 mm	65 mm
	200 mm	65 mm 125 mm
	260 mm	

Maximal process pressure

Thermowell length L [mm]	Maximal pressure [MPa]			
	Thermowell Ø18		Thermowell Ø24	
	air	water	air	water
100	15.7	44	-	-
140	13.4		22	44
200				
260	-	-		

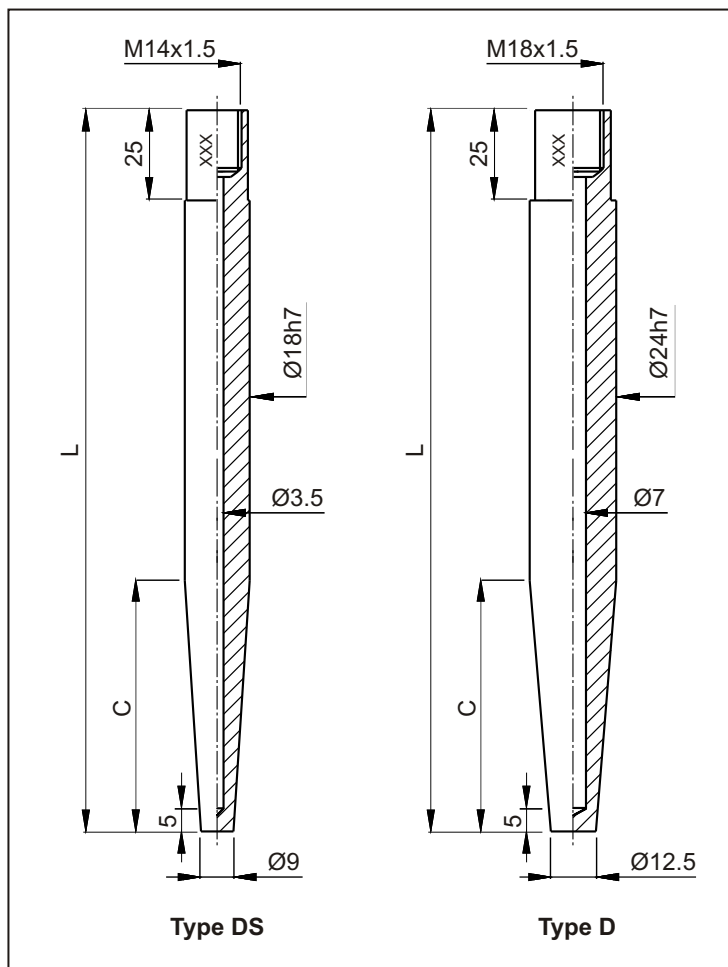
values calculated for air velocity of 60 m/s and water velocity of 5 m/s.

Ordering code

SW 1 - 2 / 3 - 4

Design		
1		1 drilled thermowell, Type A - Ø18h7
		2 drilled thermowell, Type B - Ø24h7
Length L		
2		100 100 mm
		140 140 mm
		200 200 mm
		260 260 mm
		xxx other, please specify in milimeters
Length C		
3		35 35 mm
		65 65 mm
		125 125 mm
		xxx other, please specify in milimeters
Thermowell material		
4		xxx to be specified

Designs per DIN 43763 - Type D, DS



Thermowell diameter	Type	Length L	Length C
Ø18h7	D0S	115 mm	40 mm
	D1S	140 mm	65 mm
	D4S	200 mm	65 mm
	D5S	260 mm	125 mm
Ø24h7	D1	140 mm	65 mm
	D2	200 mm	125 mm
	D4	200 mm	65 mm
	D5	260 mm	125 mm

Maximal process pressure

Thermowell length L [mm]	Maximal pressure [MPa]			
	Thermowell Ø18		Thermowell Ø24	
	air	water	air	water
100	15.7	44	-	-
140	13.4		22	44
200				
260				

values calculated for air velocity of 60 m/s and water velocity of 5 m/s.

Ordering code

D - 1 - 2 / 3 - 4

Design		
1		18 drilled thermowell, Type DS - Ø18h7
		24 drilled thermowell, Type D - Ø24h7
Length L		
2		115 115 mm
		140 140 mm
		200 200 mm
		260 260 mm
		xxx other, please specify in milimeters
Length C		
3		40 40 mm
		65 65 mm
		125 125 mm
		xxx other, please specify in milimeters
Thermowell material		
4		xxx to be specified