

Drilled thermowells for use in high pressure and high flow, as security for the proper operation of RTD and TC sensors (ex. type TOPGI-11) in measurement applications. The whole element is made of a single material with a deep drilling over the entire length. They are widely used in heavy industry, food, chemical and power industry. Weld-in thermowells are welded directly into the measurement process.

### Specifications

#### Material

structural steel: 1.0460  
 boiler steel: 1.7335, 1.7380  
 stainless steel: 1.4541, 1.4571, 1.4404

#### Design version

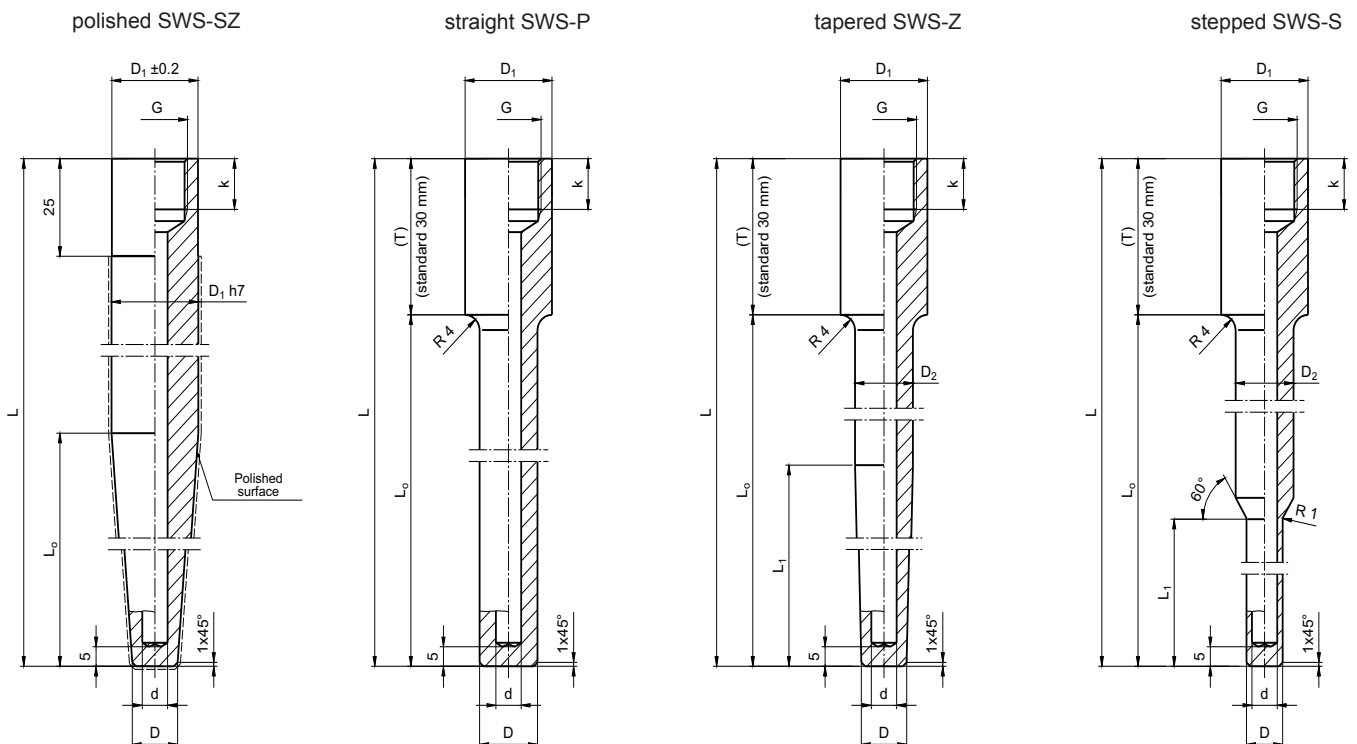
- polished
- straight
- tapered
- stepped

Bore diameter d	Min. thermowell diameter D	Max. thermowell length L
ø3.5	ø10	400
ø7	ø12	700
ø9	ø15	600
ø12	ø18	700
ø12		1400
ø14	ø20	600

\*other dimensions

Thread dimensions G	Thread length k	Min. diameter of lagging extension D <sub>1</sub>
M14x1,5	13	ø18
M18x1,5	15	ø24
M20x1,5 G½	15	ø26
M27x2 G¾	20	ø32

\*other dimensions



**Product code**

		<b>Designed version</b>	
		<b>P</b>	straight
		<b>Z</b>	tapered
		<b>S</b>	stepped
1	<input type="text"/>	<b>SZ</b>	polished
		<b>Thermowell diameter D</b>	
		<b>15</b>	15 mm
2	<input type="text"/>		other parameters acc to requirements
		<b>Weaning diameter D<sub>1</sub></b>	
		<b>24</b>	24 mm
3	<input type="text"/>		other parameters acc to requirements
		<b>Thermowell diameter D<sub>2</sub>*</b>	
		<b>20</b>	20 mm
4	<input type="text"/>		other parameters acc to requirements
		<b>Bore diameter d</b>	
		<b>7</b>	7 mm
5	<input type="text"/>		other parameters acc to requirements
		<b>Thread dimensions G</b>	
		<b>M18x1,5</b>	metric thread M18x1,5
6	<input type="text"/>		other parameters acc to requirements
		<b>Thread length k</b>	
		<b>13</b>	13 mm
7	<input type="text"/>		other parameters acc to requirements
		<b>Total length L</b>	
		<b>300</b>	300 mm
8	<input type="text"/>		other parameters acc to requirements
		<b>Length L<sub>0</sub></b>	
		<b>100</b>	100 mm
9	<input type="text"/>		other parameters acc to requirements
		<b>Length L<sub>1</sub>*</b>	
		<b>65</b>	65 mm
10	<input type="text"/>		other parameters acc to requirements
		<b>Material</b>	
		<b>A</b>	structural steel 1.0460
		<b>B</b>	boiler steel 1.7335
		<b>C</b>	boiler steel 1.7380
		<b>D</b>	stainless steel 1.4541
		<b>E</b>	stainless steel 1.4571
		<b>F</b>	stainless steel 1.4404
11	<input type="text"/>		other parameters acc to requirements

\* No parameter for thermowell SWS-SZ and SWS-P

1    2    3    4    5    6    7    8    9    10    11

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Ordering example:

**SWS-S-15-24-20-7-M18x1,5-15-300-240-65-A**