

Threaded Bored Thermowell YPTB

THREADED BORED THERMOWELL YPTB Material - stainless steel (see Appendix - Sheath materials) Application - with temperature gauges and TS probes	DIMENSIONS *															
	E	SW	K1	N	H2 [mm]	H1 [mm]	d1 [mm]	F1 [mm]	F3 [mm]							
<p>STANDARD TIP</p> <p>Manufactured from solid HEX or round bar</p> <p>$L = U + K1 + H1$</p>	M20x1.5; G1/2"	27	14	M14x1.5; G3/8"	15	20...100	4 / 5.5	14	= F1							
				M18x1.5	20	25...100	7									
				M20x1.5; G1/2"	20	25...100	7									
	M27x2; G3/4"	32	16	M14x1.5; G3/8"	15	20...100	4 / 5.5	14								
				M18x1.5	20	25...100	7 / 9									
				M20x1.5; G1/2"	20	25...100										
	M33x2; G1"	36	18	M14x1.5; G3/8"	15	20...100	4 / 5.5	14								
				M18x1.5	20	25...100	7 / 9									
				M20x1.5; G1/2"	20	25...100				7/9/11						
				M27x2; G3/4"	25	30...100	17/19/21									
	1/2" NPT	27	25	3/8" NPT	15	20...100	4 / 5.5	13								
				1/2" NPT	20	25...100	7									
	3/4" NPT	32	25	3/8" NPT	15	20...100	4 / 5.5	13								
				1/2" NPT	20	25...100	7 / 9									
	1" NPT	36	25	3/4" NPT	25	30...100		16								
				3/8" NPT	15	20...100	4 / 5.5									
				1/2" NPT	20	25...100	7 / 9									
	<p>NARROWED TIP</p> <p>Manufactured from solid HEX or round bar</p> <p>$L = U + K1 + H1$</p>	M20x1.5; G1/2"	27	14	M14x1.5; G3/8"	15	20...100	4 / 5.5	≈ 18	14						
M18x1.5					20	25...100	7									
M20x1.5; G1/2"					20	25...100	7									
M27x2; G3/4"		32	16	M14x1.5; G3/8"	15	20...100	4 / 5.5	≈ 24								
				M18x1.5	20	25...100	7 / 9									
				M20x1.5; G1/2"	20	25...100										
M33x2; G1"		36	18	M27x2; G3/4"	25	30...100	≈ 30									
				M14x1.5; G3/8"	15	20...100		4 / 5.5								
				M18x1.5	20	25...100		7 / 9								
				M20x1.5; G1/2"	20	25...100			17 / 19							
1/2" NPT		27	25	M27x2; G3/4"	25	30...100	7/9/11	17/19/21								
				M33x2; G1"	30	35...100										
3/4" NPT		32	25	3/8" NPT	15	20...100	4 / 5.5	≈ 17	13							
				1/2" NPT	20	25...100	7									
1" NPT		36	25	3/4" NPT	25	30...100	≈ 23									
	3/8" NPT			15	20...100	4 / 5.5										
	1/2" NPT			20	25...100	7 / 9										
	3/4" NPT			25	30...100	7/9/11										
1" NPT	30	35...100	≈ 27	16 / 18 / 20												
<p>Probe diameter: $d \leq d1 - 1$</p> <p>Probe thread: $G = N$</p> <p>Probe length (incl. thread): fixed: $n = 0.98 * L - e$ (DIN) or $0.98 * L - e + 0.5 * H2$ (NPT) spring-loaded: $n \approx L - e$ (DIN) or $L - e + 0.5 * H2$ (NPT)</p> <p>Maximum temperature: 850 °C</p> <p>Maximum pressure: 100 bar</p>							<p>INSERTION LENGTH</p> <table border="1"> <thead> <tr> <th>d1 [mm]</th> <th>U [mm]</th> </tr> </thead> <tbody> <tr> <td>< 7</td> <td>max. 300</td> </tr> <tr> <td>7...9</td> <td>max. 500</td> </tr> <tr> <td>11</td> <td>max. 700</td> </tr> </tbody> </table>		d1 [mm]	U [mm]	< 7	max. 300	7...9	max. 500	11	max. 700
d1 [mm]	U [mm]															
< 7	max. 300															
7...9	max. 500															
11	max. 700															
* Other dimensions are available on request. Please contact COMECO!																

COMECO reserves the right of changing specifications without prior notice!

Ordering code YPTB - G4.G6.G7.G9'G9".G10.G14

Code	Feature or option	Code values
G4	Probe diameter 'd' [mm]	3, 4.5, 5, 6, 8, 10
G6	Length 'U' [mm]	50...700 (see table overleaf) ⁽¹⁾
G7	Length 'H1' [mm] ⁽¹⁾	20...100 (see table overleaf) ⁽¹⁾
G9'	Connection thread 'E' ⁽¹⁾	X - none ⁽²⁾ , Q2 - M20x1.5, Q4 - G1/2", Q5 - M27x2, Q6 - G3/4", Q10 - 1/2" NPT, Q11 - 3/4" NPT, Q12 - G1", Q15 - 1" NPT, Q25 - M33x2, Z - other (specify!)
G9"	Probe thread 'N' ⁽¹⁾	X - none ⁽²⁾ , U1 - M18x1.5, U2 - M20x1.5, U3 - G3/8", U4 - G1/2", U5 - M27x2, U6 - G3/4", U8 - M14x1.5, U9 - 3/8" NPT, U10 - 1/2" NPT, U11 - 3/4" NPT, U12 - G1", U15 - 1" NPT, U25 - M33x2, Z - other (specify!)
G10	Material	M1 - 1.4301, M2 - 1.4541 ⁽²⁾ , M3 - 1.4571 ⁽²⁾ , M9 - 1.4404 or 1.4435, Z - other (specify!) ⁽²⁾
G14	Tip shape	X - standard closed, N - narrowed

⁽¹⁾ Applicable for the selected probe diameter 'd'

⁽²⁾ Contact COMECO!