

High Pressure Pipes - Pressure, Dimensions and Materials

Abmaße			Pressure	Material (ANSI)		
Outside-diameter	Inside-diameter	Pressure		1.4301 (304)	HP160 (HP120 ^{*8}) (1.4565 ^{*2})	1.4404 (316L) 1.4571 (316Ti) 1.4435 (316L) ^{*1}
inch	mm	mm	bar			
-	42	20	2.000			730.4220
-	30	20	1.600^{*6}			730.2510
		10	5.000^{*7}		730.1520^{*7}	
11/16"	18	12	2.000		730.5000	
			1.600			730.5200
		9	4.200		730.5109^{*8}	
9/16"	14,30	8,0	2.500			730.2110
			2.000	730.1110		
			3.600		730.1160	
	4,8	4.500	730.1120		730.2120	
	14,03 ^{*3}	4,6 ^{*3}	6.000		730.1171^{*3}	
3/8"	9,52 9,27 ^{*5}	5,2	2.000	730.1220		730.2220
		5,0	4.000		730.1240	
		3,2	4.000	730.1230		730.2230
		3,1 ^{*5}	7.000		730.1261^{*5}	
		1,6	7.000	730.1250		730.2250
			11.000		730.1270	
1/4"	6,35 6,17 ^{*4}	2,4	4.000	730.1340		730.2340
		2,0 ^{*4}	6.700		730.1361^{*4}	
		1,6	5.000	730.1350		730.2350
			9500		730.1370	
1/8"	3,20	1,0	4.000			730.2060
		0,5	5.000			730.2061

Further dimensions and materials available upon request!

*1 exact number of material according to relevant dimension on request

*2 modified 1.4565 material - not according to standard -always to be autofrettaged!

*3 OD = 14,03 mm, +0,127 mm, -0 mm ID = 4,62 mm, +0,12 mm, -0 mm

*4 OD = 6,17 mm, +0,127 mm, -0 mm ID = 2,0 mm, +0,1 mm, -0 mm

*5 OD = 9,27 mm, +0,127 mm, -0 mm ID = 3,07 mm, +0,1 mm, -0 mm

*6 Charges with PN 1.400 still in stock - check when PN1600 is requested

*7 On request/ pressure to be calculated by enduser, $R_{p02} > 1.000 \text{ N/mm}^2$

*8 tube 730.5109 made of HP120 - Sandvik special steel development