



Working Pressure Guidelines for Standard Silicone/Polyester Hose

I.D.		Number Of Plies	Wall Thickness (mm)	Burst pressure		Recommended Max. Working Pressure @ 4:1 safety Factor	
(mm)	(")			(Psi)	(Bar)	(Psi)	(Bar)
6.5mm	1/4"	3	4mm	1111	76.6	278	19.2
8mm	5/16"	3	4mm	931	64.2	233	16.1
9.5mm	3/8"	3	4mm	803	55.4	201	13.9
11mm	7/16"	3	4mm	709	48.9	177	12.2
12.7mm	1/2"	3	4mm	615	42.4	154	10.6
16mm	5/8"	3	4mm	515	35.5	129	8.9
19mm	3/4"	3	4mm	444	30.6	111	7.7
22mm	7/8"	3	4mm	392	27.0	98	6.8
25mm	1"	3	4mm	351	24.2	88	6.1
28mm	1 1/8"	3	4mm	319	22.0	80	5.5
30mm	1 3/16"	3	4mm	300	20.7	75	5.2
32mm	1 1/4"	3	4mm	284	19.6	71	4.9
35mm	1 3/8"	3	4mm	262	18.1	66	4.5
38mm	1 1/2"	3	4mm	245	16.9	61	4.2
41mm	1 5/8"	3	4mm	229	15.8	57	4.0
45mm	1 3/4"	3	4mm	212	14.6	53	3.7
48mm	1 7/8"	3	4mm	200	13.8	50	3.5
51mm	2"	4	5mm	242	16.7	61	4.2
54mm	2 1/8"	4	5mm	232	16.0	58	4.0
57mm	2 1/4"	4	5mm	222	15.3	56	3.8
60mm	2 3/8"	4	5mm	213	14.7	53	3.7
63mm	2 1/2"	4	5mm	204	14.1	51	3.5
65mm	2 9/16"	4	5mm	200	13.8	50	3.5
68mm	2 11/16"	4	5mm	193	13.3	48	3.3
70mm	2 3/4"	4	5mm	189	13.0	47	3.3
76mm	3"	4	5mm	177	12.2	44	3.1
80mm	3 1/8"	4	5mm	170	11.7	43	2.9
83mm	3 1/4"	4	5mm	165	11.4	41	2.9
89mm	3 1/2"	5	6.3mm	212	14.6	53	3.7
102mm	4"	5	6.3mm	191	13.2	48	3.3
110mm	4 1/3"	5	6.3mm	181	12.5	45	3.1
114mm	4 1/2"	5	6.3mm	177	12.2	44	3.1
127mm	5"	5	6.3mm	162	11.2	41	2.8
152mm	6"	5	6.3mm	142	9.8	36	2.5
200mm	8"	5	6.3mm	115	7.9	29	2.0

This data applies to all standard polyester reinforced hoses in the Samco Sport range.

Wall thickness is indicative and may vary slightly for specific ranges.

All figures are taken from test data originally generated November 200 and from ongoing tests

All data developed by burst profiling at SSL condition

Performance characteristics dependent on environment. Operating parameters may deviate in differing environments.