

Bioflex Ultra Sizes, Grades, Pressures & Weights

Nominal Hose Bore Size		Actual Bore Size		Bioflex Ultra Grade (Braid & Cover)	Helical Wire	**Maximum Working Pressure of Hose		Burst Pressure		Weight per Unit Length	
in	mm	in	mm			Bar	psi	Bar	psi	Kg/Mtr	lb/ft
3/8	9.5	0.375	9.5	TO	-	5	72	20	290	.06	.04
		0.375	9.5	SS	-	80	1160	500	7200	.14	.09
		0.375	9.5	RC/BK/SI	-	80	1160	500	7200	.22	.15
1/2	15	0.530	13.5	TO	√	5	72	20	290	.15	.10
		0.530	13.5	SS	√	70	1015	400	5800	.29	.19
		0.530	13.5	PB	√	35	500	140	2000	.22	.15
		0.530	13.5	RC/BK/SI	√	70	1015	400	5800	.39	.26
5/8	16	0.650	16.5	TO	√	5	72	20	290	.17	.11
		0.650	16.5	SS	√	65	940	380	5500	.35	.23
		0.650	16.5	PB	√	33	480	130	1900	.25	.17
		0.650	16.5	RC/BK/SI	√	65	940	380	5500	.47	.31
3/4	20	0.780	19.8	TO	√	5	72	20	290	.20	.13
		0.780	19.8	SS	√	60	870	300	4350	.40	.27
		0.780	19.8	PB	√	30	440	120	1750	.28	.19
		0.780	19.8	RC/BK/SI	√	60	870	300	4350	.55	.37
* 7/8	22	0.875	22.2	TO	√	4	60	16	230	.34	.23
		0.875	22.2	SS	√	55	800	220	3200	.60	.40
		0.875	22.2	PB	√	27.5	400	110	1600	.44	.30
		0.875	22.2	RC/BK/SI	√	55	800	220	3200	.82	.55
1	25	1.030	26.1	TO	√	4	60	16	230	.36	.24
		1.030	26.1	SS	√	50	720	200	2900	.63	.42
		1.030	26.1	PB	√	25	360	100	1450	.47	.31
		1.030	26.1	RC/BK/SI	√	50	720	200	2900	.92	.62
1 1/4	32	1.280	32.5	TO	√	3	43	12	175	.45	.30
		1.280	32.5	SS	√	45	650	180	2600	.85	.57
		1.280	32.5	PB	√	23	330	90	1300	.72	.48
		1.280	32.5	RC/BK/SI	√	45	650	180	2600	1.15	.77
* 1 3/8	35	1.375	34.9	TO	√	2	29	8	115	.68	.46
		1.375	34.9	SS	√	40	580	160	2320	1.14	.77
		1.375	34.9	PB	√	20	290	80	1160	1.00	.67
		1.375	34.9	RC/BK/SI	√	40	580	160	2320	1.51	1.01
1 1/2	40	1.530	38.8	TO	√	2	29	8	116	.66	.44
		1.530	38.8	SS	√	40	580	160	2320	1.10	.74
		1.530	38.8	PB	√	20	290	80	1160	.90	.60
		1.530	38.8	RC/BK/SI	√	40	580	160	2320	1.55	1.04
* 1 7/8	48	1.875	47.6	TO	√	2	29	8	115	1.12	.75
		1.875	47.6	SS	√	35	500	140	2000	1.70	1.14
		1.875	47.6	PB	√	18	250	72	1040	1.40	.94
		1.875	47.6	RC/BK/SI	√	35	500	140	2000	2.22	1.49
2	50	2.030	51.5	TO	√	2	29	8	116	1.25	.84
		2.030	51.5	SS	√	30	430	120	1750	1.90	1.27
		2.030	51.5	PB	√	15	215	60	870	1.60	1.07
		2.030	51.5	RC/BK/SI	√	30	430	120	1750	2.56	1.71

*The 7/8", 1 3/8" and 1 7/8" hose sizes are only suitable for use with PTFE lined sanitary clamp (or triclover) end fittings and PTFE lined I-Line end fittings.

** The Maximum Working Pressure of a hose assembly is limited to the lowest of the MWP's of either of the two end fittings, or of the hose itself as listed above. The MWP of the hose reduces as the operating temperature increases as specified in the Graph on the 'Bioflex Ultra Specification' page 7.