Stainless steel braid (SS)

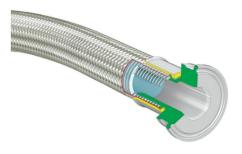


grade hoses

Bioflex Ultra

Features and benefits

- Natural or anti-static patented PTFE liner
- Very flexible, yet kink resistant
- Smooth bore for uninterrupted fluid flow and ease of cleaning
- High temperature and pressure capability
- Chemical resistant
- PTFE-lined and non-lined end fittings with laser etched ferrule for ultimate traceability
- Range of braid, cover and external protection options available



Stainless steel braid (SS) grade hoses performance

Nominal hose bore size		Actual bore size		Bioflex Ultra grade (braid and cover)	Helical wire	**Maximum working pressure of hose		Burst pressure		Minimum bend radius	
n	mm	in	mm			bar	psi	bar	psi	in	mm
				то	-	5	72	20	290	1⊮₀	35
V.s	9.5	0.382	9.7	SS	-	80	1,160	500	7,200	3/4	19
				RC/BK/SI	-	80	1,160	500	7,200	3/4	19
				то	1	5	72	20	290	2⅔	60
/2				SS	v	70	1,015	400	5,800	1½	38
	15	0.516	13.1	РВ	v	35	500	140	2,000	11/2	38
				RC/BK/SI	v	70	1,015	400	5,800	11/2	38
				ТО	v	5	72	20	2,90	21/2	64
/8	16	0.638		SS	v	65	940	380	5,500	1⅔	45
			16.2	РВ	v	33	480	130	1,900	1¾	45
				RC/BK/SI	v	65	940	380	5,500	1¾	45
				то	1	5	72	20	290	3	75
		0.760	19.3	SS	v	60	870	300	4,350	2	50
4	20			РВ	✓	30	440	120	1,750	2	50
				RC/BK/SI	v V	60	870	300	4,350	2	50
	1			то	v V	4	60	16	230	31/2	90
				SS	✓	55	800	220	3,200	21/8	55
7∕8	22	0.870	22.1	PB	v	27.5	400	110	1,600	21/8	55
				RC/BK/SI	v	55	800	220	3,200	21/8	55
	-			то	✓	4	60	16	230	4¾	110
	25			SS	✓	50	720	200	2,900	2¾	70
		1.012	25.7	PB	J	25	360	100	1,450	2¾	70
				RC/BK/SI		50	720	200	2,900	2¾	70
1½	32		32.2	то	v V	3	43	12	175	51/2	140
				ss	- 	45	650	180	2,600	4	100
		1.268		PB		23	330	90	1,300	4	100
				RC/BK/SI	√ 	45	650	180	2,600	4	100
			-	ТО		2	29	8	116	61/2	160
	35	1.370	34.8	ss		40	580	160	2,320	4	100
* 1⅔				PB	√ 	20	290	80	1,160	4	100
				RC/BK/SI		40	580	160	2,320	4	100
			-	ТО		2	29	8	116	7	180
		1.516	38.5	ss		40	580	160	2,320	51/2	140
11/2	40			PB	v V	20	290	80	1,160	51/2	140
				RC/BK/SI		40	580	160	2,320	51/2	140
			-	то		2	29	8	116	11	280
* 1½ 2				ss	√ 	35	500	140	2,000	6%	170
	48	1.866	47.4	PB	J	18	250	72	1,040	6%	170
				RC/BK/SI		35	500	140	2,000	6½	170
	-			ТО	v V	2	29	8	116	12	300
	50 2		51.1	ss	J	30	430	120	1,750	8	200
		2.012		PB	v V	15	215	60	870	8	200
				RC/BK/SI	v V	30	430	120	1,750	8	200
				SS	v 	20	290	80	1160	111%	300
21/2	65	2.508	63.7	PB	✓ ✓	12	174	48	696	1178	300
		2.350	0.5.7	RC/BK/SI	✓ ✓	20	290	80	1,160	11%	300
		+	+	SS	V V	15	290	60	870	13¾	350
3	80	3.024	76.8	PB	✓ ✓	10	145	40	580	131/4	350
	00	5.024	/ 0.0					-	_	-	350
				RC/BK/SI = Polypropylene braid, SS,RC/FP = Fireproo	1	15	218	60	870		13¾

*The $\frac{1}{2}$, $\frac{1}{2}$, and $\frac{1}{2}$ 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 (MWP) 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, consult Aflex Hose for guidance.

Note: $2\mathscr{V}_2$ " & 3" tube only (TO grade) cannot be ordered as an assembly.

Technical specifications

m ŧ in 1m 1				
t in				
t in				
nm				
1				
60 - 500 bar				
870 - 7,200 psi				
(EU) 10/2011, 3.1 Traceability, 3-A 62-02, ATEX, EN16643:2016, FDA (materials), ISO 14001:2015, ISO 9001:2015, OHSAS 18001:2015, USP Class VI				
2				
-100 to 500 °F				
19 - 350 mm				
0.75 - 13.75 in				
Stainless steel				
Protection coil, Safegard, Scuff rings				
3-A sanitary fittings, 90° elbow fittings, BSP and NPT threaded fittings, CAM and groove fittings, DIN 11851 fittings, JIC fittings, PTFE dip pipe fittings, Sanitary triclamp fittings, SMS and RJT fittings, Swivel flange fittings				
Color coding, Standard				
g, Standard				

Note: Max length is dependant on bore size

Materials of construction

	Stainless steel braid (SS) grade hoses
Helical wire	Stainless steel 316
Liner tube	PTFE

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