

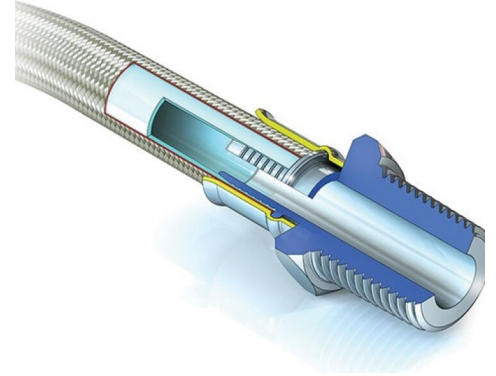
Heavy wall, double braid hoses



Smoothbore PTFE hose

Features and benefits

- PTFE-lined high pressure hose
- Temperature resistant
- Chemical resistant
- Self-cleaning



Heavy wall, double braid hoses performance

Standard wall, single braid (SW, SB)														
Bore size (Nominal)	Bore size (Actual)		Dash size ref (if any)	PTFE tube wall thickness		Braid outside diameter		Minimum bend radius		Maximum working pressure		Weight per unit length		*Part number
	mm	in		mm	in	mm	in	mm	in	bar	psi	kg/mt	lbs/ft	
1/8	3.17	0.125	-	0.76	0.030	5.85	0.230	22	7/8	290	4,220	0.065	0.044	70-100-02-01-02
1/16	4.76	0.188	-	0.76	0.025	7.40	0.291	40	1 1/8	265	3,856	0.080	0.054	70-100-03-01-02
1/4	6.35	0.250	-	0.63	0.025	8.50	0.335	60	2 1/8	240	3,492	0.093	0.062	70-100-04-01-02
3/16	7.94	0.313	-	0.63	0.025	10.15	0.400	70	2 1/8	200	2,910	0.110	0.074	70-100-05-01-02
1/2	9.53	0.375	-	0.63	0.025	11.75	0.463	80	3 1/8	190	2,765	0.124	0.083	70-100-06-01-02
3/4	12.70	0.500	-	0.76	0.030	14.95	0.589	110	4 1/8	140	2,030	0.207	0.139	70-100-08-01-02
1	15.88	0.625	-	0.76	0.030	18.35	0.722	150	6	110	1,601	0.255	0.171	70-100-10-01-02
1 1/4	19.05	0.750	-	0.76	0.030	21.65	0.852	200	7 1/8	80	1,164	0.315	0.211	70-100-12-01-02
1 1/2	25.40	1.000	-	1.00	0.039	28.15	1.108	300	11 1/8	55	800	0.430	0.288	70-100-16-01-02
Heavy Wall, single braid (HW, SB)														
Bore size (Nominal)	Bore size (Actual)		Dash size ref (if any)	PTFE tube wall thickness		Braid outside diameter		Minimum bend radius		Maximum working pressure		Weight per unit length		*Part number
	mm	in		mm	in	mm	in	mm	in	bar	psi	kg/mt	lbs/ft	
1/8	3.17	0.125	-	1.00	0.039	6.10	0.240	20	7/8	290	4,220	0.068	0.046	70-200-02-01-02
1/16	4.76	0.188	-	1.00	0.039	7.65	0.301	29	1 1/8	270	3,929	0.087	0.058	70-200-03-01-02
1/4	6.35	0.250	-	1.00	0.039	9.25	0.364	30	1 1/8	260	3,783	0.113	0.076	70-200-04-01-02
3/16	7.94	0.313	-	1.00	0.039	10.90	0.429	40	1 1/8	230	3,347	0.135	0.091	70-200-05-01-02
1/2	9.53	0.375	-	1.00	0.039	12.50	0.492	55	2 1/8	200	2,910	0.153	0.103	70-200-06-01-02
3/4	12.70	0.500	-	1.00	0.039	15.60	0.614	85	3 1/8	160	2,328	0.240	0.161	70-200-08-01-02
1	15.88	0.625	-	1.30	0.051	19.10	0.752	110	4 1/8	130	1,892	0.292	0.196	70-200-10-01-02
1 1/4	19.05	0.750	-	1.30	0.051	22.05	0.868	145	5 1/8	92	1,339	0.344	0.231	70-200-12-01-02
1 1/2	25.40	1.000	-	1.50	0.059	28.80	1.134	260	10 1/8	69	1,004	0.470	0.315	70-200-16-01-02
Medium wall, single braid (MW, SB), also referred to as Hyperline SB														
The Hyperline MW, SB Range meets or exceeds SAE 100R14 standard.														
Bore size (Nominal) BB=Big Bore	Bore size (Actual)		Dash size ref (if any)	PTFE tube wall thickness		Braid outside diameter		Minimum bend radius		Max working pressure		Weight per unit length		*Part number
	mm	in		mm	in	mm	in	mm	in	Bar	Psi	Kg/mt	Lbs/Ft	
1/16 BB	2.0	0.079	-2	1.00	0.040	5.00	0.197	13	1/2	450	6,500	0.045	0.030	70-300-02-01-02
1/8 BB	3.5	0.138	-3	1.00	0.040	6.45	0.254	20	3/4	350	5,076	0.070	0.047	70-300-03-01-02
3/16 BB	5.0	0.200	-4	0.76	0.030	7.65	0.301	45	1 1/8	290	4,206	0.078	0.052	70-400-03-01-02
1/4 BB	6.7	0.264	-5	0.76	0.030	9.30	0.366	60	2 1/8	240	3,480	0.110	0.074	70-400-04-01-02
5/16 BB	8.4	0.335	-6	0.76	0.030	10.72	0.422	70	2 1/8	220	3,190	0.136	0.091	70-400-05-01-02
3/8 BB	10.0	0.394	-7	0.76	0.030	12.75	0.500	80	3	190	2,755	0.166	0.111	70-400-06-01-02
1/2 BB	13.3	0.536	-10	0.76	0.030	16.35	0.644	130	5	150	2,175	0.210	0.141	70-400-08-01-02
5/8 BB	16.5	0.654	-12	0.84	0.033	19.50	0.768	163	6 1/2	130	1,885	0.280	0.188	70-400-10-01-02
3/4 BB	19.8	0.780	-	1.00	0.040	22.50	0.860	180	7	110	1,595	0.327	0.219	70-400-12-01-02
1 BB	26.4	1.040	-	1.00	0.040	30.10	1.190	230	9	80	1,160	0.524	0.351	70-400-16-01-02

* For Anti-Static Grade, add 10 to the 3-digit part number e.g. 70-100- becomes 70-110 * For Anti-Static Grade, add 10 to the 3-digit part number e.g. 70-100- becomes 70-110

Technical specifications

	Heavy wall, double braid hoses
Nominal bore size	0.125 - 2 in
Actual bore size	3.17 - 50.8 mm
Actual bore size	0.125 - 2 in
Outside diameter	7.05 - 56.4 mm
Outside diameter	0.278 - 2.221 in
Max. operating pressure	350 bar
Max. operating pressure	5093 psi
Burst pressure	120 - 1,050 bar
Burst pressure	1746 - 15,279 psi
Certification	3.1 Traceability, EN16643:2016, FDA (materials), SAE J1401, SAE J1737, TS 16949:2016
Operating temperature range	-73 to 260 °C
Operating temperature range	-100 to 500 °F
Bend radius	18 - 1,200 mm
Bend radius	0.75 - 47.25 in
Braid	Double
Cover	EPDM rubber, Flexible PVC, Hytrel, Nylon II, Sarlink, Silicone rubber
End fitting	Hydraulic tail end fittings, PTFE tail end fittings
Vacuum resistance	Vacuum resistant to -0.9 bar

Materials of construction

	Heavy wall, double braid hoses
Liner tube	Antistatic PTFE, HPG PTFE, Natural PTFE
Wire braid	Aramid fibre, Stainless steel

Disclaimer: The information contained in this document is believed to be correct but Aflex Hose Limited accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the user's responsibility to ensure product suitability for use within their application. Bioflex, Corroflon, Corroline, Hyperline FX, Pharmaline are registered trademarks of Aflex Hose Limited. A member of Watson-Marlow Fluid Technology Solutions, A Spirax-Sarco Engineering plc company.

wmfts.com/global



14 September 2023