

Tube only (TO) grade hoses



Hyperline FX

Features and benefits

- Patented liner provides unequalled flexibility and kink resistance
- Excellent chemical resistance
- Smooth bore for fast flow and easy clean
- Resistant to diffusion of liquids and gases

Tube only (TO) grade hoses performance

Nominal hose size		*Actual hose bore size		Hose grade	Outside diameter of tube or braid		Minimum bend radius		Maximum working pressure (MWP)		Weight per unit length		Hose part number
in	mm	in	mm		in	mm	in	mm	bar	psi	kg/mtr	lbs/ft	
1/4	6.0	0.270	6.8	TO	0.354	9.0	1 1/2	38	4	60	0.041	0.027	92-100-04
				SS	0.378	9.6	1/2	19	88	1,280	0.092	0.062	92-100-04-01-02
				AM	0.378	9.6	1 1/2	38	62	900	0.056	0.038	92-100-04-01-55-01
3/8	8.0	0.312	7.9	TO	0.394	10.0	1 1/2	38	4	60	0.056	0.037	92-100-05
				SS	0.420	10.6	1/2	19	84	1,220	0.126	0.084	92-100-05-01-02
				AM	0.445	11.3	1 1/2	38	59	850	0.075	0.050	92-100-05-01-55-01
1/2	10.0	0.394	10.0	TO	0.492	12.5	2	50	4	60	0.070	0.047	92-100-06
				SS	0.534	13.5	1	25	80	1,160	0.160	0.107	92-100-06-01-02
				AM	0.534	13.5	2	50	56	810	0.100	0.067	92-100-06-01-55-01
3/4	15.0	0.536	13.6	TO	0.640	16.2	3	76	4	58	0.110	0.074	92-100-08
				SS	0.690	17.5	1 1/2	38	60	870	0.225	0.151	92-100-08-01-02
				AM	0.690	17.5	3	76	42	600	0.140	0.094	92-100-08-01-55-01
1	16.0	0.658	16.7	TO	0.787	20.0	4	100	3	44	0.161	0.108	92-100-10
				SS	0.831	21.1	2	50	50	730	0.336	0.226	92-100-10-01-02
				AM	0.831	21.1	4	100	35	510	0.204	0.137	92-100-10-01-55-01
1 1/4	20.0	0.780	19.8	TO	0.913	23.2	5	126	3	44	0.179	0.120	92-100-12
				SS	0.953	24.2	2 1/2	63	42	610	0.383	0.257	92-100-12-01-02
				AM	0.953	24.2	5	126	29	430	0.236	0.158	92-100-12-01-55-01
1 1/2	25.0	1.023	26.0	TO	1.193	30.3	6	150	2	29	0.268	0.180	92-100-16
				SS	1.250	31.7	3	75	40	580	0.540	0.362	92-100-16-01-02
				AM	1.250	31.7	6	150	28	400	0.354	0.237	92-100-16-01-55-01

*Hydraulic Bore Size - The actual bore sizes of Hyperline FX hose are slightly larger than the nominal size, to allow the insertion and assembly of standard Hydraulic Fittings, using ferrules supplied by Aflex Hose.

Technical specifications

	Tube only (TO) grade hoses
Nominal bore size	6 - 25 mm
Nominal bore size	0.25 - 1 in
Actual bore size	6.8 - 26 mm
Actual bore size	0.27 - 1.023 in
Outside diameter	9 - 30.3 mm
Outside diameter	0.354 - 1.193 in
Max. operating pressure	4 bar
Max. operating pressure	60 psi
Burst pressure	6 - 12 bar
Burst pressure	87 - 180 psi
Certification	3.1 Traceability, EN16643:2016, FDA (materials), SAE J1737, TS 16949:2016
Operating temperature range	-73 to 260 °C
Operating temperature range	-100 to 500 °F
Bend radius	38 - 150 mm
Bend radius	1.5 - 6 in
Braid	None
Cover	None
End fitting	BSP and NPT threaded fittings, CAM and groove fittings, DIN 11851 fittings, ENCAP end fittings, JIC fittings, PTFE dip pipe fittings, Sanitary triclamp fittings, Swivel flange fittings

Materials of construction

	Tube only (TO) grade hoses
Liner tube	Antistatic PTFE, Natural PTFE

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



09 August 2023