

HYPERLINE SB

Design & Purpose

Hyperline SB is a smoothbore, medium wall premium grade, seamless extruded PTFE Tube with a Grade 304 Stainless Steel Wire Braid. The choice of the PTFE polymer, together with the extrusion, heat treatment and quality control programmes, is designed to produce the best quality PTFE tube possible, ensuring minimum permeation and maximum flexibility.

This range of Hyperline SB PTFE hose has been developed for general purpose use.

Hyperline SB has a smooth bore, permitting fast, clean fluid flow, but is limited in flexibility and kink resistance, particularly in bore sizes above 1/4". For flexibility Hyperline V is preferred. For flexibility and flow, Hyperline FX is preferred.



Hyperline SB is available in the following grade:

Hyperline SB, SS - Natural PTFE Tube, external 304 Stainless Steel Wire Braid.

Hyperline SB, AS, SS - Antistatic (AS) grade PTFE liner tube

Hyperline SB, DB - Double Braid of Stainless Steel Wire (Hyperline SB, DB).

Temperature Rating

The temperature rating is from -70° to +260°C, but the Maximum Working Pressure (MWP) must be reduced by 0.5% for each 1°C above 130°C.

Pressure Resistance

The Pressure Ratings are as listed and adjusted for temperature, for the Stainless Steel grades. If higher working pressures are required, a double braid hose can be requested, to special order.

Full Vacuum Resistance

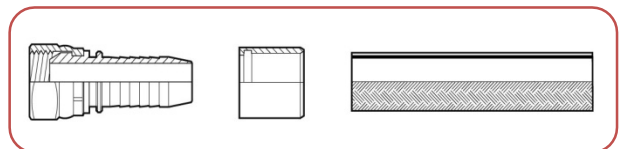
Hyperline SB is not designed for vacuum resistance, and Hyperline FX is more suitable for such applications. The smaller sizes of Hyperline SB may be fully or partly vacuum resistant, dependent upon the application conditions.

Diffusion Resistance

Hyperline SB is not designed for High Pressure Gas applications (above 140 Bar or 2000 psi). A specially processed hose design is required. For advice, consult OPW market.

ASSEMBLY

Assembly of Hyperline SB to standard Hydraulic End Fittings, together with Ferrules supplied by OPW market is straightforward



APPLICATIONS

Automotive, motorsport, refrigeration, high pressure steam, and many other industrial applications in general, wherever the excellent chemical resistance and temperature resistance of the hose are required.

CAUTION

Hyperline SB can be "kinked" if care is not taken, particularly sizes 1/2" and above. If this is a problem, use Hyperline FX or Hyperline V.

Contact us:

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Catalogues:

Ducting hoses
Industrial hoses
Fittings
Safety couplings
Chemical resistance table ducting hoses
Chemical resistance table hoses

HYPERLINE SB Size range and Specifications

Number	Size	Type	DN	PTFE	O.D.	R min	WP	Weight	Max length
	inch			thickness				mm	
70-400-03-01-02	3/16"	SS	5.0	0.76	7.65	45	230	0.078	1200
70-410-03-01-02		AS,SS	5.0	0.76	7.65	45	230	0.078	1200
70-400-04-01-02	1/4"	SS	6.7	0.76	9.30	60	205	0.110	800
70-410-04-01-02		AS,SS	6.7	0.76	9.30	60	205	0.110	800
70-400-05-01-02	5/16"	SS	8.5	0.76	11.10	70	180	0.136	600
70-410-05-01-02		AS,SS	8.5	0.76	11.10	70	180	0.136	600
70-400-06-01-02	3/8"	SS	10.0	0.76	12.75	80	180	0.166	400
70-410-06-01-02		AS,SS	10.0	0.76	12.75	80	180	0.166	400
70-400-08-01-02	1/2"	SS	13.6	0.76	16.35	130	140	0.210	220
70-410-08-01-02		AS,SS	13.6	0.76	16.35	130	140	0.210	220
70-400-10-01-02	5/8"	SS	16.6	0.84	19.50	163	110	0.280	200
70-410-10-01-02		AS,SS	16.6	0.84	19.50	163	110	0.280	200
70-400-12-01-02	3/4"	SS	19.8	1.00	22.50	180	95	0.327	-
70-410-12-01-02		AS,SS	19.8	1.00	22.50	180	95	0.327	-
70-400-16-01-02	1"	SS	26.4	1.00	30.10	230	80	0.524	-
70-410-16-01-02		AS,SS	26.4	1.00	30.10	230	80	0.524	-

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