

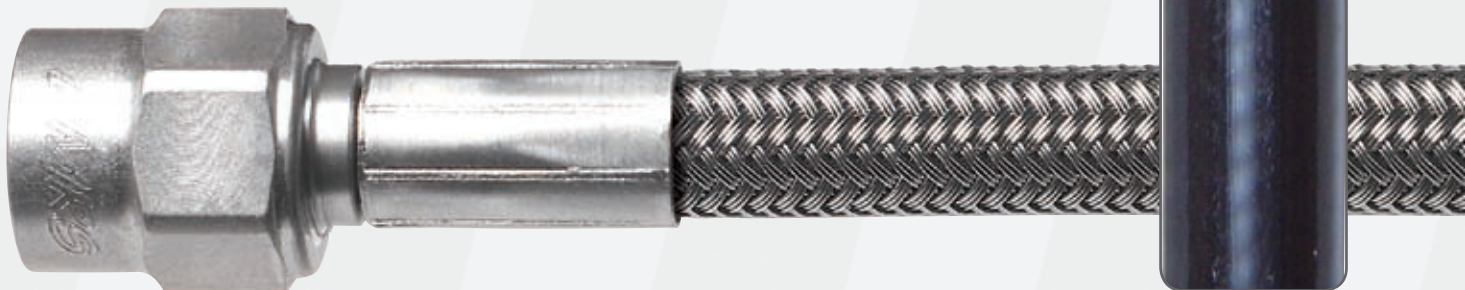
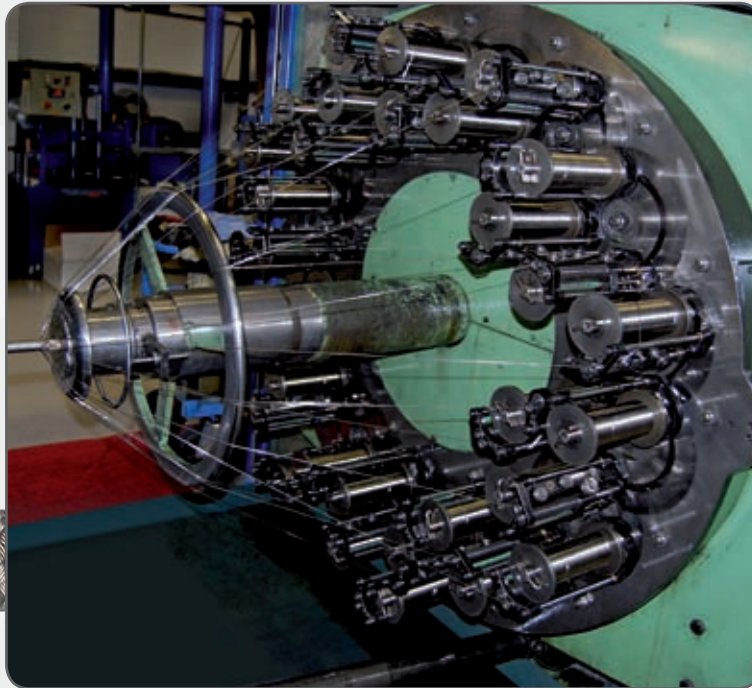


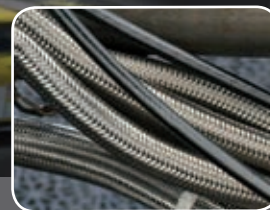
Standard & High Pressure PTFE Hose

Smooth Bore PTFE hose offers low volumetric expansion at maximum operating pressure making it ideal for pressure systems such as brake, clutch, power steering, gearbox and suspension hydraulics. Low expansion provides a more positive brake pedal with less travel. It is able to operate at high pressure and temperature while remaining robust and flexible. The PTFE innercore is compatible with virtually all fluids and is suitable for air and gas applications.

High Pressure Smooth Bore PTFE hose is designed for high pressure and high impulse severe duty applications. It maintains excellent flexibility due to the superior tension controlled single layer small wire diameter plaited braid design.

For fuel and high flow systems where static generation is a possibility a static dissipating liner is integral to the construction of the hose.





Stainless Steel Braid



- Low volumetric expansion at maximum operating pressure
- More positive brake pedal with less travel
- Able to operate at high pressure and high temperature
- Compatible with virtually all fluids
- Suitable for air and gas applications
- Available with static dissipating liner (suffix SD) for fuel and high flow applications
- Factory built assemblies are ALL pressure tested

Applications:

Brakes, Clutch, Gearbox hydraulics and Power steering
Oil and air systems

Gauge, instrumentation and sensor lines

(Complies with rules requiring stainless steel braided hose to be used for fuel pressure gauge lines)

End Fittings:

Reusable: Compatible with the full range of reusable end fittings. Fitting part number prefix SBR denotes Smooth Bore Reusable.

Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.

The SB series hose fittings are available in Aluminium, Stainless Steel and Titanium.

Specification:

- Innercore: Smooth bore extruded PTFE with static dissipating liner option
- Braid: 304 series stainless steel
- Operating Temperature -54°C to 232°C (-67°F to 450°F) at full pressure and full vacuum

Hose part no.	Hose part no. Static dissipating	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Max. vacuum rating ins/Hg.	Weight Kg/m
			ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.		
-	SB-02-S-SD	1/8	0.080	2.03	0.190	4.82	1.50	38.1	206	3000	827	12000	28	0.05
SB-03-S	-	3/16	0.130	3.30	0.250	6.35	2.00	50.8	206	3000	827	12000	28	0.07
-	SB-03-S-SD	3/16	0.130	3.30	0.250	6.35	2.00	50.8	206	3000	827	12000	28	0.07
-	SB-04-S-SD	1/4	0.190	4.82	0.330	8.38	2.00	50.8	206	3000	827	12000	28	0.12
-	SB-06-S-SD	3/8	0.310	7.87	0.450	11.43	4.00	101.6	172	2500	689	10000	28	0.16
-	SB-08-S-SD	1/2	0.410	10.5	0.530	13.65	5.25	133.0	103	1500	413	6000	28	0.20

Stainless Steel Braid with Black PVC Sheath



- Low volumetric expansion at maximum operating pressure
- More positive brake pedal with less travel
- Able to operate at high pressure and high temperature
- Compatible with virtually all fluids
- Suitable for air and gas applications
- Available with static dissipating liner (suffix SD) for fuel and high flow applications
- Factory built assemblies are ALL pressure tested

Applications:

Brakes, Clutch, Gearbox hydraulics and Power steering
Oil and air systems

Gauge, instrumentation and sensor lines

(Complies with rules requiring stainless steel braided hose to be used for fuel pressure gauge lines)

End Fittings:

Reusable: Compatible with the full range of reusable end fittings. Fitting part number prefix SBR denotes Smooth Bore Reusable.

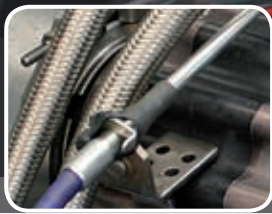
Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.

The SB series hose fittings are available in Aluminium, Stainless Steel and Titanium.

Specification:

- Innercore: Smooth bore extruded PTFE with static dissipating liner option
- Braid: 304 series stainless steel with black PVC sheath
- Operating Temperature -54°C to 150°C (-67°F to 302°F) at full pressure and full vacuum

Hose part no. Static dissipating	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Max. vacuum rating ins/Hg.	Weight Kg/m
		ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.		
SB-02-S-SD-PVC	1/2	0.080	2.03	0.228	5.80	1.50	38.1	206	3000	827	12000	28	0.06
SB-03-S-SD-PVC	3/16	0.130	3.30	0.270	6.85	2.00	50.8	206	3000	827	12000	28	0.08
SB-04-S-SD-PVC	1/4	0.190	4.82	0.350	8.88	2.00	50.8	206	3000	827	12000	28	0.13



Stainless Steel Braid with Black TPE Sheath



- Low volumetric expansion at maximum operating pressure
- More positive brake pedal with less travel
- Able to operate at high pressure and high temperature
- Compatible with virtually all fluids
- Suitable for air and gas applications
- Available with static dissipating liner (suffix SD) for fuel and high flow applications
- Factory built assemblies are ALL pressure tested

Applications:

Brakes, Clutch, Gearbox hydraulics and Power steering
 Oil and air systems
 Gauge, instrumentation and sensor lines
 (Complies with rules requiring stainless steel braided hose to be used for fuel pressure gauge lines)

End Fittings:

Reusable: Compatible with the full range of reusable end fittings. Fitting part number prefix SBR denotes Smooth Bore Reusable.

Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.
 The SB series hose fittings are available in Aluminium, Stainless Steel and Titanium.

Specification:

- Innercore: Smooth bore extruded PTFE with static dissipating liner option
- Braid: 304 series stainless steel with black TPE Thermoplastic Elastomer sheath
- Operating Temperature -54°C to 150°C (-67°F to 302°F) at full pressure and full vacuum

Hose part no.	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Max. vacuum rating	
		ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.	ins/Hg.	Kg/m
SB-06-S-H-SD	3/8	0.31	7.87	0.49	12.4	4.00	101.6	172	2500	689	10000	28	0.17
SB-08-S-H-SD	1/2	0.41	10.5	0.57	14.6	5.25	133.0	103	1500	413	6000	28	0.21

Polyester Braid



- Designed for low pressure light duty applications
- Extremely lightweight
- Durable Polyester non metallic braid
- Factory built assemblies are ALL pressure tested

Applications:

Instrumentation, sensor and gauge lines
 Air and water bleed systems
 Water injection systems
 Master cylinder reservoir

End Fittings:

Reusable: Compatible with the full range of reusable end fittings. Fitting part number prefix SBR denotes Smooth Bore Reusable.

Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.
 The SB series hose fittings are available in Aluminium, Stainless Steel and Titanium.

Specification:

- Innercore: Smooth bore extruded PTFE with static dissipating liner
- Braid: Black Polyester
- Operating Temperature -54°C to 125°C (-67°F to 257°F) at full pressure and specified vacuum.

Hose part no.	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Max. vacuum rating	
		ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.	ins/Hg.	Kg/m
SB-03-P-SD	3/16	0.13	3.30	0.25	6.35	2.00	50.8	17	250	69	1000	28	0.05
SB-04-P-SD	1/4	0.19	4.82	0.33	8.38	2.00	50.8	17	250	69	1000	28	0.09

SMOOTH BORE PTFE HOSE

USA: (704) 793 4319 UK: 01753 545554 WEB: www.bmrs.net



Kevlar Braid



- Designed for medium duty applications
- Excellent for medium pressure hydraulic systems
- Suitable for use as brake lines in some race series
- Available with static dissipating liner (suffix SD) for fuel applications
- Available with robust and durable Hytrel TPE jacket
- Chafe sleeve is recommended for all unsheathed Kevlar braided hose.

Applications:

Hydraulic systems
Hydraulic Wing sliders
Fuel injector nozzle lines
Instrumentation, sensor and gauge lines
Air and water bleed systems
Water injection systems
Master cylinder reservoir



End Fittings:

Reusable: Not compatible with reusable fittings.

Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.

The SB series hose fittings are available in Aluminium, Stainless Steel and Titanium.

Specification:

- Innercore: Smooth bore extruded PTFE
- Braid: Kevlar aramid fibre
- Optional Jacket: TPE Thermoplastic Elastomer – Black
- Operating Temperature -54°C to 150°C (-67°F to 302°F) at full pressure and specified vacuum.

Hose part no.	Hose part no. with TPE jacket & static dissipating liner	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Max. vacuum rating ins/Hg.	Weight Kg/m
			ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.		
SB-02-K	-	1/8	0.08	2.03	0.19	4.82	1.50	38.1	34.5	500	138	2000	28	0.03
SB-03-K	-	3/16	0.13	3.30	0.25	6.35	2.00	50.8	69.0	1000	276	4000	28	0.05
-	SB-03-K-H-SD	3/16	0.13	3.30	0.29	7.35	2.00	50.8	69.0	1000	276	4000	28	0.05
SB-04-K	-	1/4	0.19	4.82	0.31	7.75	2.00	50.8	69.0	1000	276	4000	28	0.09
-	SB-04-K-H-SD	1/4	0.19	4.82	0.34	8.75	2.50	63.5	69.0	1000	276	4000	28	0.10

Translucent Smooth Bore PTFE Tube



Translucent smooth Bore PTFE tube used in engine cooling system air bleed, sight levels for tanks etc.
Also suitable as breather to tank overflow tube.

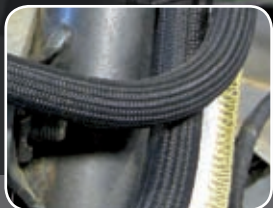
The PTFE tube is compatible with most fluids and is able to operate in high temperature environments.

Supplied as bulk tube or as assemblies with factory attached light weight low profile fittings.

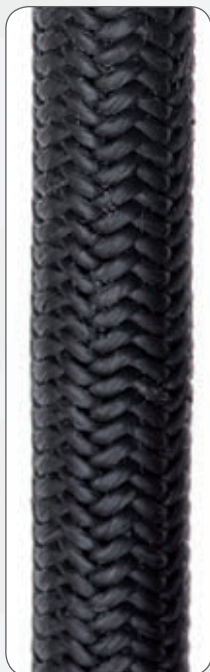
- Innercore: Smooth bore extruded Translucent PTFE tube.
- Braid: None
- Operating Temperature: -54°C to 260°C (-67°F to 500°F).
- Application: Bleed, sight tube, overflows etc

Unbraided Tube

Hose part no.	Hose size nom.	Int/dia. nom.	O/dia. nom.
SB-03	3/16	0.130	0.250
SB-04	1/4	0.190	0.330



PTFE Impregnated Glass Fibre Braid



- Designed for low pressure applications
- Suitable for use in hot areas
- PTFE impregnated braid functions as an integral heat shield.
- Factory built assemblies are ALL pressure tested

Applications:

Fuel
 Bio fuel and alternative fuels (CNG, LPG etc)
 Air jack systems
 Turbo feed/drain

End Fittings:

Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.
 The SB series hose fittings are available in Aluminium, Stainless Steel and Titanium.

Specification:

- Innercore: Smooth bore extruded PTFE with static dissipating liner.
- Braid: PTFE impregnated glass fibre
- Operating Temperature: -54°C to 260°C (-67°F to 500°F)

Hose part no.	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Weight Kg/m
		ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.	
SB-06-FC-SD	3/8	0.31	7.87	0.48	12.19	3.00	76.00	54	800	216	3200	-

Stainless Steel High Pressure Braid



- Designed for high pressure applications
- Suitable for high impulse applications
- Low volumetric expansion
- Very flexible
- Compatible with virtually all fluids
- Static dissipating liner
- Factory built assemblies are ALL pressure tested

Applications:

Hydraulics
 Pneumatics
 Fuel
 Power steering

End Fittings:

Crimp: Available with factory attached crimped fittings for the ultimate in weight and space saving.
 The HPSB series of fittings are available in stainless steel and Titanium.
 Also compatible with the SB series of hose fittings at a reduced operating pressure – consult factory.

Specification:

- Innercore: Smooth bore extruded PTFE with static dissipating liner.
- Braid: 304 series stainless steel bundled wire
- Operating Temperature: -54°C to 204°C (-67°F to 400°F)

Hose part no.	Hose size (nom.)	Int/dia. (nom.)		O/dia. (nom.)		Min. bend radius		Max. op. pressure		Min. burst pressure		Weight Kg/m
		ins	mm	ins	mm	ins	mm	Bar	p.s.i.	Bar	p.s.i.	
HPSB-04-S-SD	1/4	0.22	5.64	0.37	9.53	1.50	38.0	345	5000	1103	16000	0.149
HPSB-06-S-SD	3/8	0.31	7.82	0.47	12.01	2.50	64.0	345	5000	1103	16000	0.243



USA: (704) 793 4319 **UK:** 01753 545554 **WEB:** www.bmrs.net