Supreme







Supreme
HOSE INDUSTRIES

LOW & HIGH PRESSURE FLEXIBLE HOSE ASSEMBLIES

High & Medium Pressure Hoses

SH - 1



SAE 100 R1 Single wire Braid

Construction

Tube: seamless synthetic rubber

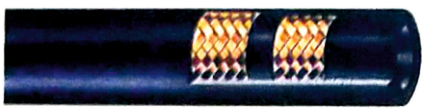
Reinforcement: 1 high tensile steel wire braid

Cover: synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SH1-3	3/16	4.8	12.7	12.0	3.000	207	6.000	414	89
SH1-4	1/4	6.4	15.9	14.1	2.750	190	5.500	380	102
SH1-5	5/16	7.9	17.5	15.7	2.500	172	5.000	344	114
SH1-6	3/8	9.5	19.9	18.1	2.250	155	4.500	310	127
SH1-8	1/2	12.7	23.0	21.5	2.000	138	4.000	276	178
SH1-10	5/8	15.9	26.2	24.7	1.500	103	3.000	206	203
SH1-12	3/4	19.0	30.2	28.6	1.250	86	2.500	172	241
SH1-16	1	25.4	38.1	36.6	1.000	63	2.000	138	305
SH1-20	1¼"	31.8	46.0	44.8	625	43	1.250	86	419
SH1-24	1½"	38.1	52.4	52.0	500	34	1.000	68	508
SH1-32	2	50.8	66.7	65.9	375	26	750	52	635

SH - 2



SAE 100 R2 Double Wire Braid

Construction

Tube: seamless synthetic rubber

Reinforcement: 2 high tensile steel wire braid

Cover: synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SH2-3	3/16	4.8	16.0	14.1	5000	345	10000	690	89
SH2-4	1/4	6.4	17.5	15.7	5000	345	10000	690	102
SH2-5	5/16	7.9	19.0	17.3	4250	293	8500	586	114
SH2-6	3/8	9.5	21.5	19.7	4000	276	8000	552	127
SH2-8	1/2	12.7	24.6	23.1	3500	241	7000	482	178
SH2-10	5/8	15.9	27.8	26.3	2750	190	5500	380	203
SH2-12	3/4	19.0	31.8	30.2	2250	155	4500	310	241
SH2-16	1	25.4	39.7	38.9	2000	138	4000	276	305
SH2-20	1¼"	31.8	50.8	49.6	1625	112	3250	224	419
SH2-24	1½"	38.1	57.2	56.0	1250	86	2500	172	508
SH2-32	2	50.8	69.9	68.6	1125	78	2250	156	635

SH - 3



SAE 100 R3 Double Textile Braid

Construction :

Tube : seamless synthetic rubber

Reinforcement : 2 High Tenacity Rayon Braids

Cover , synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SH3-4	1/4	6.4	0.563	14.3	1250	86	2500	172	76
SH3-5	5/16	7.9	0.689	17.5	1200	83	2400	166	102
SH3-6	3/8	9.5	0.748	19.0	1125	78	2250	156	102
SH3-8	1/2	12.7	0.973	23.8	1000	69	2000	138	127
SH3-10	5/8	15.9	1.063	27.0	875	60	1750	120	127
SH3-12	3/4	19.0	1.252	31.8	750	52	1500	104	152
SH3-16	1	25.4	1.500	38.1	565	39	1130	78	203
SH3-20	1¼	31.8	1.752	44.5	375	26	750	52	254
SH3-24	1½	38.1	2.000	50.8	250	17	500	34	306
SH3-32	2	50.8	2.520	64.0	215	15	430	30	410

SH - 4



SAE 100 R4 Delivery Suction Hose

Construction :

Tube : seamless synthetic rubber

Reinforcement : by synthetic textile cord plus an high textile steel wire helix

Cover : Black synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SH4-10	5/8	15.9	1.374	34.9	300	20.7	600	41.4	127
SH4-12	3/4	19.0	1.626	41.3	250	17.2	500	34.4	152
SH4-16	1	25.4	2.000	56.8	200	13.8	400	27.6	203
SH4-20	1¼	31.8	2.252	57.2	150	10.3	300	20.6	254
SH4-24	1½	38.1	2.752	69.9	100	6.9	200	13.8	305
SH4-32	2	50.8	3.228	82.0	62	4.3	124	8.6	356
SH4-40	2½	63.5	3.740	95.0	56	3.8	112	7.6	457
SH4-48	3	76.2							

SM - 5



SAE 100 R1 Single wire Braid (Textile Cover)

Construction

Tube: seamless synthetic rubber
Reinforcement: 1 high tensile steel wire braid
Cover: Textile braided impregnated with oil resistant rubber
Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SM4-5	1/4	6.4	0.583	14.8	3000	207	6000	414	86
SM5-5	5/16	7.9	0.677	17.2	2250	155	4500	310	102
SM5-6	13/32	10.3	0.768	19.4	2000	138	4000	310	117
SM5-8	1/2	12.7	0.928	23.4	1750	121	3500	242	140
SM5-10	5/8	15.9	1.079	27.4	1500	103	3000	206	165
SM5-12	7/8	22.2	1.236	31.1	800	55	1600	110	187
SM5-14	1 1/8	28.7	1.500	38.1	625	43	1250	86	229
SM5-16	1 3/8	34.9	1.752	44.5	500	34	1000	68	267
SM5-18	1 13/16	46.0	2.248	57.1	350	24	700	48	337
SM5-20	2 3/8	63.3	2.874	73.0	350	24	700	48	530

SM - 6



SAE 100 R6 Single wire Braid

Construction

Tube: seamless synthetic rubber
Reinforcement: 1 textile braid
Cover: synthetic rubber weather, oil and abrasion resistant.
Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Bursting Pressure
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	PSI
SM6-4	1/4	6.4	0.500	12.7	400	28	800	56	64
SM6-5	5/16	7.9	0.563	14.3	400	28	800	56	76
SM6-6	3/8	9.5	0.626	15.9	400	28	800	56	76
SM6-8	1/2	12.7	0.780	19.8	400	28	800	56	102
SM6-10	5/8	15.9	0.945	24.0	350	24	700	48	127
SH6-12	3/4	19.0	1.024	26.0	250	17	500	34	177
SH6-16	1	25.4	1.279	32.5	190	13	380	26	230

LOW PRESSURE HOSES

SL - 1



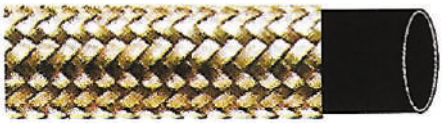
Construction :

Synthetic seamless oil resistant Rubber tubing with outer G.I. wire braid, suitable for oil, petroleum based fuel Lubricant lower acids air & water

Temperature range : from - 40°C to + 100°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Bursting Pressure
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	PSI
SLI-4	1/4	6.4		12.0	425	30	850	60	1700
SLI-5	5/16	8.0		14.0	375	19	750	52	1500
SLI-6	3/8	9.5		16.0	275	17	550	38	1100
SLI-8	1/2	12.7		19.0	250	17	500	34	1000
SLI-10	5/8	16.0		25.0	200	14	400	28	800
SLI-12	3/4	19.0		29.0	175	12	350	24	700
SLI-16	1	25.4		38.0	150	10	300	20	500
SLI-20	1¼	31.8		45.0	125	8	250	16	450
SLI-24	1½	38.1		56.0	100	7	200	14	400

SL - 2



Construction :

Synthetic seamless oil resistant Rubber tubing with high tencity rayon braid & then outer G.I. wire braid suitable for oil, petroleum based fuel Lubricant lower acids air & water

Temperature range : from - 40°C to + 100°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Bursting Pressure
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	PSI
SL2-4	1/4	6.4		12.5	650	44	1300	88	2500
SL2-5	5/16	8.0		15.0	600	42	1200	84	2400
SL2-6	3/8	9.5		17.0	525	35	1050	70	2100
SL2-8	1/2	12.7		20.0	450	30	900	60	1800
SL2-10	5/8	16.0		26.0	400	28	800	58	1600
SL2-12	3/4	19.0		29.0	325	22	650	44	1300
SL2-16	1	25.4		39.0	250	17	500	34	1000
SL2-20	1 1/4	31.8		46.0	225	15	450	30	900
SL2-24	1 1/2	38.1		57.0	200	14	400	28	800

Super High Pressure Hoses

SSH-1



SAE 100 R12 Four Spirals

Construction

Tube: seamless synthetic rubber

Reinforcement: 4 spirals of high tensile steel wires

Cover: synthetic rubber weather, oil an abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SSH1-6	3/8	9.5	0.799	20.3	4000	276	8000	552	127
SSH1-8	1/2	12.7	0.937	23.8	4000	276	8000	552	178
SSH1-12	3/4	19.0	1.2.8	30.7	4000	276	8000	552	241
SSH1-16	1	25.4	1.496	38.0	4000	276	8000	552	305
SSH1-20	1 1/4	31.8	1.850	47.0	3000	207	6000	414	419
SSH1-24	1 1/2	38.1	2.106	53.5	2500	172	5000	344	508
SSH1-32	2	50.8	2.625	66.7	2500	172	5000	344	635

SSH 2



SAE 100 R13 Four or Six Spirals

Construction

Tube: seamless synthetic rubber

Reinforcement: 4 or 6spirals of high tensile steel wires

Cover: synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40° C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
.SSH2-4	1/4	6.4	0.811	20.6	11250	780	22500	1560	127
.SSH2-6	3/8	9.5	0.937	23.8	10000	690	20000	1380	152
SSH2-8	1/2	12.7	1.063	27.0	7500	517	15000	1030	200
SSH2-12	3/4	19.0	1.283	32.6	5000	345	10000	690	240
SSH2-16	1	25.4	1.543	39.2	5000	345	10000	690	300
*SSH2-20	1¼	31.8	1.962	49.8	5000	345	10000	690	419
*SSH2-24	1½	38.1	2.256	57.3	5000	345	10000	690	508
*SSH2-32	2	50.8	2.800	71.7	5000	345	10000	690	635

*6 Spirals .Not included in SAE Stabdard

SSH-3



DIN 20023-4SP
(R9 upto1"-R10over1") Four Spirals

Construction

Tube: seamless synthetic rubber

Reinforcement: 4 or 6spirals of high tensile steel wires C

Cover: synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SSH3-4	1/4	6.4	0.705	17.9	6530	450	13060	900	150
SSH3-6	3/8	9.5	0.843	21.4	6450	445	12900	890	178
SSH3-8	1/2	12.7	0.969	24.6	6000	415	12000	830	230
SSH3-10	5/8	15.9	1.122	28.5	5250	360	10500	720	250
SSH3-12	3/4	19.0	1.260	32.0	5100	350	10200	700	300
SSH3-16	1	25.4	1.563	39.7	4200	290	8400	580	340
.SSH3-20	1¼	31.8	2.000	50.8	3050	210	6100	420	457
.SSH3-24	1½	38.1	2.252	57.2	2680	185	5360	370	559
.SSH3-32	2	50.8	2.780	70.6	2500	172	5000	344	660

*R10

SSH - 4



DIN 20023-4SH Four Spirals

Construction

Tube: seamless synthetic rubber

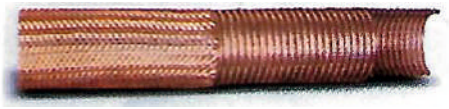
Reinforcement: 4 or 6spirals of high tensile steel wires

Cover: synthetic rubber weather, oil and abrasion resistant.

Temperature range : from - 40°C to + 125°C

Our. Ref	Inside Diameter		Outside Diameter		Working Pressure		Testing Pressure		Min Bend Radius
	Inch	mm	Inch	mm	PSI	BAR	PSI	BAR	mm
SSH4-12	3/4	19.0	1.268	32.2	6090	420	12180	840	280
SSH4-16	1	25.4	1.524	39.0	5510	380	11020	760	340
SSH4-20	1 1/4	31.8	1.791	45.5	4710	325	9420	650	460
SSH4-24	1 1/2	38.1	2.106	53.5	4200	290	8400	580	560
SSH4-32	2	50.8	2.681	68.1	3630	250	7260	500	700

STAINLESS STEEL CORRUGATED HOSES

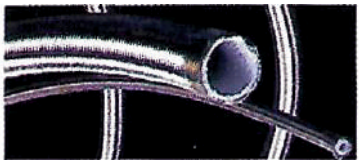


Construction: Corrugated metal hose made with close pitch angular corrugation from butt-welded tube can be reinforced by one or two metalic wire braids(SS 304 & SS316)

Temperature range : 200°C to 800°C
Nominal Bores 6 mm to 300 mm

Nominal Bore		Min. Bend Redius	Single Braid		Double Braid	
Inch	mm	mm	Working Pressure atm	Test Pressure atm	Working Pressure atm	Test Pressure atm
1/4"	6	25	125	188	175	262
3/8"	10	18	120	180	150	225
1/2"	12	20	100	150	130	195
5/8"	16	25	80	120	120	180
3/4"	20	50	64	96	106	159
1"	25	40	60	90	85	127
1-1/4"	32	50	40	60	70	105
1-1/2"	40	60	35	52	60	90
2"	50	70	32	48	50	75
2-1/2"	65	80	25	38	40	60
3"	80	120	20	30	30	45
4"	100	120	20	30	28	42

FLEXIBLE TEFLON HOSE



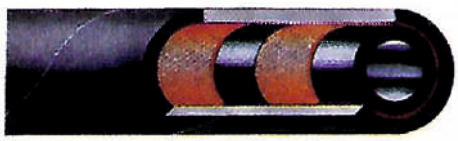
Construction: Inner tube of TEFLON reinforcement with one stainless steel wire braid. (High tensile steel wire in single or double braiding on request.

Temperature range : 75°C to 260°C

SIZE									
ID in inches	3/16"	14"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
ID in mm	4.8	6.4	7.9	9.5	12.7	15.9	19.0	22.2	25.4
OD in mm	7.8	9.5	11.0	14.3	16.1	19.4	24.0	28.2	31.5
Working Pressure in PSI	4000	3000	2650	25.00	2000	1750	1500	1250	1000
Testing Pressure in PSI	8000	6000	5300	5000	4000	3500	3000	2500	2500
Min. Bend radius	50	70	100	133	165	200	275	325	400

Note: Minimum Burst Pressure is 4 time of working pressure 1kg/cm^2=14.22 P.S.I.

HIGH TEMPERATURE STEAM HOSE



SR-7 -1

SINGLE WIRE BRAIDED HOSE

SR-7 - 2

DOUBLE WIRE BRAIDED HOSE

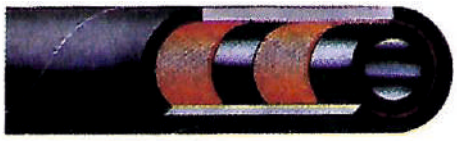
Construction: Seamless heat resistant tube.
Reinforcement : One-ply H.T.S braided wire.
Cover: Oil, weather an abrasion resistant synthetic black rubber with red strips.

Temperature range : -
Upto + 350°F, for pressure 150 lbs. of steam

HOSE SIZE										MIN BEND RADIUS	
I.D.		O.D.				SR-71		SR-72			
		SR-71		SR-72		lb./sq in	lb./sq cm2	lb./sq in	lb./sq cm2		
INCH	MM	INCH	MM	INCH	MM					INCH	MM
3/16	4.8	1/2	12.7	5/8	15/9	150	10.5	200	14	3.1/2	89
1/4	6.4	19/32	15.1	11/16	17.5	150	10.5	200	14	4	102
5/16	7.9	11/16	17.5	3/4	19	150	10.5	200	14	4.1/2	114
3/8	9.5	25/32	19.8	27/32	21.4	150	10.5	200	14	5	127
1/2	12.7	29/32	23.0	31/32	24.6	150	10.5	200	14	7	178
5/8	15.9	11/32	26.2	1.3/32	27.8	150	10.5	200	14	8	203
3/4	19.0	13/16	30.1	1.1/4	31.8	150	10.5	200	14	9.1/2	241
7/8	22.2	15/16	33.4	1.3/8	34.9	150	10.5	200	14	11	279
1	25.4	1.1/2	38.1	1.9/16	39.7	150	10.5	200	14	15	381
1.1/4	31.8	1.13/16	52.4	2.1/4	57.2	150	10.5	200	14	16.1/2	419
1.1/2	38.1	2.1/16	52.4	2.1/4	57.2	150	10.5	200	14	20	508
2	50.8	2.5/8	66.7	2.3/4	69.8	150	10.5	200	14	25	635

A.C. Hose

SAE J 51 Type



Construction: synthetic rubber tube, Double textile braid reinforcemer and perforated rubber outer cover.

Temperature range :
-29°C to + 121°C (-20°F to + 250°F)

S.S. Ref. No	Hose I.D. MM Inch	Hose O.D MM Inch	Working Pressure Bar PSI	Min. Burst Pressure Bar PSIa	Minimum Pressure Bar PSI
46-6	7.9	19.05	25	120	102
	5/16"	0.750	350	1750	4.0
46-8	10.31	23.00	25	120	114
	13/22"	0.908	350	1750	4.5
46-10	12.70	25.40	25	120	127
	1/2"	1.00	350	1750	127
Special	11.10	23.00	31.5	199	140
	7/16*	0.906	450	2844	5.5

Braided Hoses



RUBBER AIR - PNEUMATIC-ROCK DRILL HOSE

(Conforming to IS: 446/1987)
The hose I reinforced with Synthetic Yarn/Rayon to withstand the required pressure. Uniform seamless lining made from a blend of natural and/or synthetic rubber compound. Other cover is smoth/cloth marked finish made from a tough abrasion resitant black/blue colour compounded rubber.

Application:
Type I and Type II are recommended fo light duty applications. Such as Shipyard. Wagon building, Structural shops, Foundary, Steel Mill, Grinding, Mines, Quarries, Compressors and other Industrial application.
Type III is recommended for extra heavy duty applications to withstand the most rugged and servere working conditions Such as in open cast mines, quarries and deep

Temperature range : -35°C to + 70°C
Size range : N.B. 5m.m. to 50 m.m.
Working Pressure : Type I - 7 kg/cm2
Type II - 10 kg/cm2
Type III - 14 kg/cm2

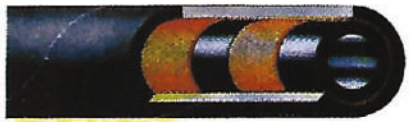


WATER DELIVERY HOSE

(Conforming to IS: 444/1987)
Uniform seamless inner tube of natural rubber compound suitable braided with Synthetic Rayon/Yam. Other cover is black smooth/fluted, resistance to weather and abrasion.

Application:
Hoses are used for delivery purpose in various industries such as Mines, Dams, Construction sites, Irrigation, Horticulture etc.

Temperature range : -40°C to + 70° C
Size range : N.B. 10.00 m.m. to 100.00 m.m.
Working Pressure : Type I - 6 kg/cm2
TypeII - 10 kg/cm2



WELDING HOSE

(Conforming to IS: 447/1988)
Seamless tube of a blend with synthetic rubber compound resistance to Fuel gas, Oxygen, Acetylene and other is plain/flute with EPDM blended rubber compound resistant to heat and high abrasion.

Application:
Welding hose finds application in every type of workshop. Such as steel Mill, Shipyard, Power Station, Fabrication etc.

Temperature range : -40°C to + 70° C
Size range : N.B. 5.00 m.m. to 12.5 m.m.
Working Pressure : Type I - 12,5 kg/cm2
Type II - 15 kg/cm2



SAND BLASTING HOSE

(Conforming to IS: 5894/1980)
Extra thick seamless rubber lining free mineral filler and suitable to withstand abrasive action of sand. Hose is reinforced with woven fabric along with a copper wire incorporated between the reinforced plies for electrical continuity. Outer cover black smooth/cloth marked finish resistant to weather and abration.

Application:
High pressure hose suitable to convey wet & dry sand and other abrasive material. Used in Fabrication unit, Steel plants, Ordinance, Foundary etc.

Temperature range : -40°C to + 70° C
Size range : N.B. 1 1/4 inch to 4 inch.
Working Pressure : Type I - 7 kg/cm2
TypeII - 10 kg/cm2

STANDARD HOSE ASSEMBLIES

I.D. OF HOSE		STANDARD NUT SIZE			H BANJO
INCH	MM	BSP	METRIC	UNIFIED	
3/16	4.7	1/4"	M12x1.5	7/16"-20	6,8
1/4	6.4	1/4"	M14x1.5	1/2"-20	8,10
5/16	8.0	3/8"	M16x1.5	5/8"-18	12,14
3/8	9.5	1/2"	M18x1.5	3/4"-16	14,16
1/2	12.7	5/8"	M22x1.5	7/8"-14	16,18
5/8	16.0	3/4"	M26x1.5	1-1/16"-12	18
3/4	19.0	1"	M30x1.5	1-5/16"-12	
1	25.4	1.4"	M38x1.5	1-5/8"-12	
1¼	31.8	1½"	M45x1.5	1-7/8"-12	
1½	38.0	2"	M52x1.5	2-1/4"-12	
2	50.8	2½"	M65x1.5	2-1/2"-12	

HOW TO ORDER HOSE ASSEMBLIES:

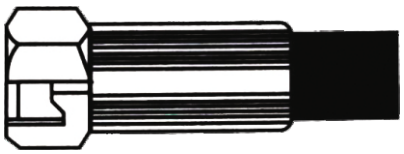
1. Select hose type and inside diameter in inches or mm
2. Select type of first coupling and thread size.
3. Select type of coupling and thread size for opposite end.
4. Determine over-all-length of assembly in mm. or inches.

AND MANY MORE TO SUIT CUSTOMER'S REQUIREMENTS

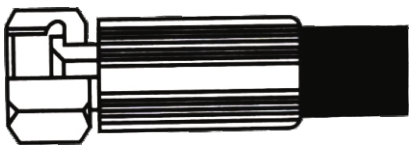
DISTRIBUTED BY:

TYPE OF HOSE ASSEMBLIES

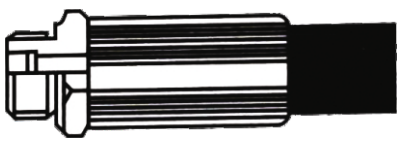
FEMALE SWIVEL 'D' TYPE NIPPLE



FEMALE SWIVEL 'S' TYPE NIPPLE



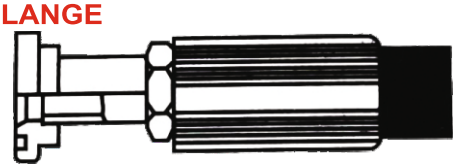
MALE FIXED NIPPLE



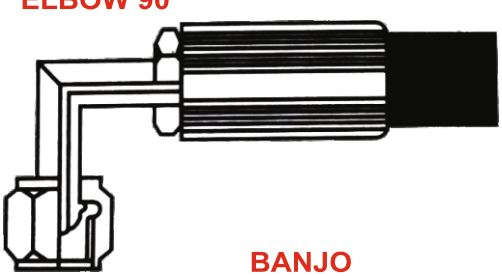
BE NIPPLE



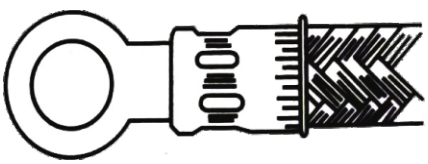
FLANGE



ELBOW 90°



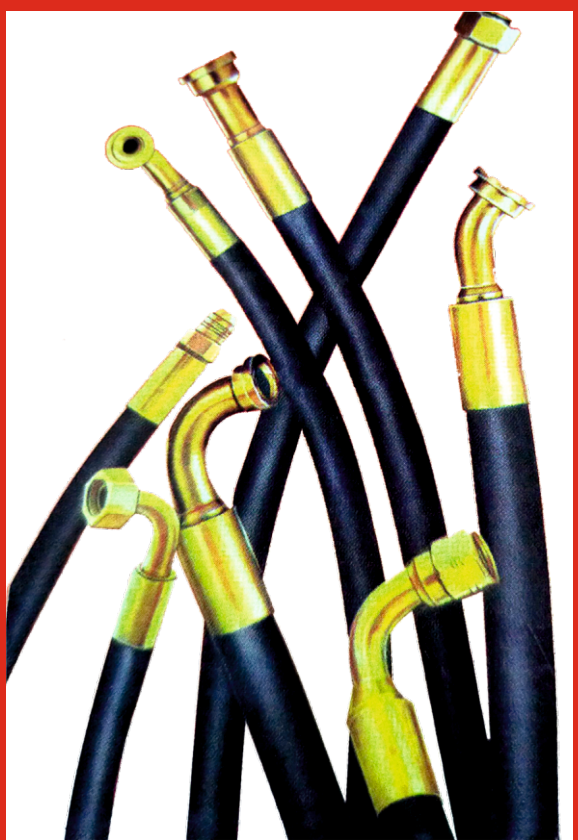
BANJO



HYDRAULIC HIGH PRESSURE AND LOW PRESSURE HOSE ASSEMBLIES

OUR PRODUCT RANGE

LOW & HIGH PRESSURE HOSE ASSEMBLIES, PTFE TEFLON HOSE ASSEMBLIES, STAINLESS STEEL CORRUGATED HOSE ASSEMBLIES FOR HIGH TEMPARATURE APPLICATIONS, BRAIDED HOSE FOR AIR PNEUMATIC, WATER, CAR WASHING, ROCK DRILLING, STEAM HOSE, LPG HOSE AND GENERAL PURPOSE APPLICATIONS TO WITHSTAND PRESSURE UPTO 700 KG/Cm^2 AND TEMPARATURE 800^{0}C WITH M.S., S.S. AND FITTINGS.



Supreme
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