

EN 853 1SN ISO 1436

HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	G/m	lb/ft
5	3/16	9.5	0.37	11.5	0.45	250	3620	1000	14500	89	3.50	195	0.13
6	1/4	11.2	0.44	13.2	0.52	225	3260	900	13050	100	3.94	220	0.15
8	5/16	12.8	0.50	14.8	0.58	215	3110	850	12320	114	4.49	270	0.18
10	3/8	15.1	0.59	17.1	0.67	180	2610	720	10440	127	5.00	340	0.23
12	1/2	18.1	0.71	20.1	0.79	160	2320	640	9280	178	7.01	410	0.27
16	5/8	21.3	0.84	23.3	0.92	130	1880	520	7540	200	7.87	510	0.34
20	3/4	25.3	1.00	27.3	1.07	105	1520	420	6090	240	9.45	620	0.42
25	1	33.1	1.30	35.1	1.38	88	1270	350	5070	300	11.81	930	0.62
32	1.1/4	40.6	1.60	43.3	1.70	63	910	250	3620	419	16.50	1250	0.84
40	1.1/2	47.0	1.85	49.7	1.96	50	720	200	2900	500	19.69	1600	1.07
50	2	60.4	2.38	63.1	2.48	40	580	160	2320	630	24.80	2200	1.47
60	2.3/8	68.8	2.71	71.5	2.81	50	720	200	2900	650	25.59	2245	1.50

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.

TUBE : Oil resistant synthetic rubber

REINFORCEMENT : One high tensile steel braid

COVER : Environment resistant synthetic rubber

APPLICABLE SPECS. : EN 853 1SN - SAE 100 R1AT-ISO 1436-1 1SN/R1 AT

EN 853 2SN ISO 1436

HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
5	3/16	11.3	0.44	13.3	0.52	415	6010	1650	23920	89	3.50	315	0.21
6	1/4	12.7	0.50	14.7	0.58	400	5800	1600	23200	100	3.94	360	0.24
8	5/16	14.3	0.56	16.3	0.64	350	5070	1400	20300	114	4.49	400	0.27
10	3/8	16.7	0.66	18.7	0.74	330	4780	1320	19140	127	5.00	510	0.34
12	1/2	19.8	0.78	21.8	0.86	275	3980	1100	15950	178	7.01	620	0.42
16	5/8	23.0	0.91	25.0	0.98	250	3620	1000	14500	200	7.87	715	0.48
20	3/4	27.0	1.06	29.0	1.14	215	3110	860	12470	240	9.45	955	0.64
25	1	34.8	1.37	36.8	1.45	165	2390	650	9420	300	11.81	1320	0.88
32	1.1/4	44.3	1.74	47.0	1.85	125	1810	500	7250	419	16.50	1965	1.32
40	1.1/2	50.7	2.00	53.4	2.10	90	1300	360	5220	500	19.69	2265	1.52
50	2	63.5	2.50	66.2	2.61	80	1160	320	4640	630	24.80	3115	2.09
60	2.3/8	68.8	2.71	71.5	2.81	90	1300	360	5220	650	25.59	2660	1.78

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.







TUBE : Oil resistant synthetic rubber.

REINFORCEMENT : Two high tensile steel braids.

COVER : Environment resistant synthetic rubber.

APPLICABLE SPECS. : EN 853 2SN - SAE 100 R2AT-ISO 1436-1 2SN/R2 AT

EN 857 1SC ISO 11237-1

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	G/m	lb/ft
6	1/4	10.2	0.40	12.0	0.47	225	3260	1050	15220	50	1.97	180	0.12
8	5/16	11.5	0.45	13.6	0.54	215	3110	1000	14500	55	2.17	210	0.14
10	3/8	13.6	0.54	15.5	0.61	180	2610	850	12320	60	2.36	260	0.17
12	1/2	17.1	0.67	18.9	0.74	160	2320	660	9570	70	2.76	335	0.22
16	5/8	20.6	0.81	22.4	0.88	130	1880	620	8990	90	3.54	440	0.29
19	3/4	23.9	0.94	25.9	1.02	105	1520	480	6960	100	3.94	535	0.36
25	1	31.3	1.23	33.3	1.31	88	1270	400	5800	160	6.30	765	0.51
31	1.1/4	38.4	1.51	40.9	1.61	63	910	300	4350	210	8.27	1105	0.74
38	1.1/2	45.0	1.77	47.5	1.87	50	720	200	2900	300	11.81	1240	0.83
51	2	58.0	2.28	60.5	2.38	40	580	160	2320	400	15.75	1660	1.11
63	2.1/2	70.5	2.78	73.0	2.87	50	720	200	2900	760	29.92	2170	1.45
76	3	85.0	3.35	87.7	3.45	35	500	140	2030	900	35.43	2870	1.92

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.







TUBE : Oil resistant synthetic rubber

REINFORCEMENT : One high tensile steel braid

COVER : Environment resistant synthetic rubber

APPLICABLE SPECS. : EN 857 1SC and ISO 11237-1 1SC

EN 857 2SC ISO 11237-1

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
6	1/4	11.3	0.44	13.1	0.52	400	5800	1850	26820	45	1.77	270	0.18
8	5/16	12.9	0.51	14.7	0.58	350	5070	1700	24650	55	2.17	325	0.22
10	3/8	15.0	0.59	16.8	0.66	330	4780	1500	21750	65	2.56	395	0.26
12	1/2	18.5	0.73	20.3	0.80	275	3980	1220	17690	80	3.15	495	0.33
16	5/8	21.8	0.86	23.6	0.93	250	3620	1050	15220	90	3.54	595	0.40
19	3/4	25.6	1.01	27.6	1.09	215	3110	920	13340	120	4.72	800	0.54
25	1	33.0	1.30	35.2	1.39	165	2390	720	10440	160	6.30	1135	0.76
31	1.1/4	41.1	1.62	43.6	1.72	125	1810	560	8120	250	9.84	1610	1.08
38	1.1/2	47.7	1.88	50.7	2.00	100	1450	400	5800	300	11.81	1935	1.30
51	2	60.4	2.38	63.4	2.50	90	1300	360	5220	400	15.75	2490	1.67
63	2.1/2	73.0	2.87	76.0	2.99	70	1010	300	4350	760	29.92	3050	2.04
76	3	87.8	3.46	90.5	3.56	45	650	180	2610	900	35.43	3295	2.21

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.







TUBE : Oil resistant synthetic rubber.

REINFORCEMENT : Two high tensile steel braids.

COVER : Environment resistant synthetic rubber.

APPLICABLE SPECS. : EN 857 2SC ISO 11237-1 2SC SAE 100 R16S

SAE 100 R16 ISO 11237-1

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	G/m	lb/ft
6	1/4	11.6	0.46	13.2	0.52	350	5070	1400	20300	50	1.97	260	0.17
8	5/16	12.9	0.51	14.5	0.57	297	4300	1190	17250	55	2.17	285	0.19
10	3/8	15.4	0.61	17.0	0.67	280	4060	1120	16240	63	2.48	385	0.26
12	1/2	18.5	0.73	20.3	0.80	245	3550	980	14210	88	3.46	465	0.31
16	5/8	22.2	0.87	24.0	0.94	210	3040	840	12180	100	3.94	605	0.41
19	3/4	25.6	1.01	27.7	1.09	210	3040	840	12180	120	4.72	795	0.53
25	1	32.3	1.27	34.6	1.36	140	2030	560	8120	150	5.91	1090	0.73

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 250°F 121°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.

TUBE : Oil resistant synthetic rubber







REINFORCEMENT : Two high tensile steel braid

COVER : Environment resistant synthetic rubber

APPLICABLE SPECS. : SAE 100 R16 - ISO 11237-1 R16;

In addition : DN 16, 19 SAE 100 R17 - ISO 11237-1 R17

SAE 100 R17 ISO 11237-1

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
6	1/4	10.2	0.40	12.0	0.47	210	3040	840	12180	50	1.97	180	0.12
8	5/16	11.5	0.45	13.6	0.54	210	3040	840	12180	55	2.17	210	0.14
10	3/8	14.4	0.57	16.2	0.64	210	3040	840	12180	65	2.56	315	0.21
12	1/2	17.9	0.70	19.7	0.78	210	3040	840	12180	90	3.54	435	0.29

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 250°F 121°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.

TUBE : Oil resistant synthetic rubber.

REINFORCEMENT : One high tensile steel braid.

COVER : Environment resistant synthetic rubber.

APPLICABLE SPECS. : SAE 100 R17 - ISO 11237-1 R17

SAE 100 R5



HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
5	3/16	-	-	13.2	0.52	210	3040	840	12180	75	2.95	220	0.15
6	1/4	-	-	14.8	0.58	210	3040	840	12180	85	3.35	258	0.17
8	5/16	-	-	17.1	0.67	157	2270	630	9130	100	3.94	310	0.21
10	13/32	-	-	19.4	0.76	140	2030	560	8120	115	4.53	360	0.24
12	1/2	-	-	23.3	0.92	122	1760	490	7100	140	5.51	485	0.32
16	5/8	-	-	27.3	1.07	105	1520	420	6090	165	6.50	650	0.44
22	7/8	-	-	31.2	1.23	56	810	224	3250	185	7.28	609	0.41
28	1.1/8	-	-	38.0	1.50	43	625	175	2530	229	9.02	795	0.53
35	1.3/8	-	-	44.3	1.74	35	500	140	2030	265	10.43	1020	0.68
46	1-13/16	-	-	56.1	2.21	24	350	98	1420	335	13.19	1420	0.95

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 250°F 121°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water, diesel fuel (up to 200°F 93°C)

TUBE : Oil resistant synthetic rubber

REINFORCEMENT : One high tensile steel braid

COVER : One textile braid

APPLICABLE SPECS. : SAE 100 R5

SAE 100 R6 EN 854 R6



HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
5	3/16	-	-	11.0	0.43	35	500	140	2030	35	1.38	93	0.06
6	1/4	-	-	12.6	0.50	30	430	120	1740	45	1.77	117	0.07
8	5/16	-	-	14.1	0.56	30	430	120	1740	65	2.56	135	0.10
10	3/8	-	-	15.8	0.62	30	430	120	1740	75	2.95	165	0.11
12	1/2	-	-	19.4	0.76	30	430	120	1740	90	3.54	215	0.15
16	5/8	-	-	23.0	0.91	30	430	120	1740	115	4.53	285	0.19
19	3/4	-	-	26.0	1.02	30	430	120	1740	140	5.51	325	0.22
25	1	-	-	32.0	1.26	30	430	120	1740	150	5.91	430	1.29

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 250°F 121°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.







TUBE : Oil resistant synthetic rubber.

REINFORCEMENT : One high resistance textile braid.

COVER : Environment resistant synthetic rubber.

APPLICABLE SPECS. : SAE 100 R6 - EN 854 R6/1TE-ISO 4079-1 R6/1TE.

SAE 854 R3

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
10	3/8	-	-	19.0	0.75	79	1140	315	4560	100	3.94	300	0.20
12	1/2	-	-	23.8	0.94	70	1010	280	4060	125	4.92	450	0.30
19	3/4	-	-	31.6	1.24	52	750	210	3040	150	5.91	645	0.43
25	1	-	-	37.5	1.48	39	565	158	2290	203	7.99	785	0.53

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 250°F 121°C

RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water, diesel fuel (up to 200°F 93°C)







TUBE : Oil resistant synthetic rubber.

REINFORCEMENT : Two high resistance textile braids.

COVER : Environment resistant synthetic rubber.

APPLICABLE SPECS. : En 854 R3 - SAE 100 R3 - ISO 4079-1 R3.

EXTREME TEMPERATURE HOSE

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
6	1/4	12.7	0.50	14.9	0.59	400	5800	1725	25010	100	3.94	390	0.26
8	5/16	14.3	0.56	16.5	0.65	350	5070	1480	21460	114	4.49	435	0.29
10	3/8	16.7	0.66	19.0	0.75	330	4780	1400	20300	127	5.00	535	0.36
12	1/2	19.8	0.78	22.0	0.87	275	3980	1200	17400	178	7.01	645	0.43
16	5/8	23.0	0.91	25.2	0.99	250	3620	1020	14790	200	7.87	770	0.52
19	3/4	27.0	1.06	29.0	1.14	215	3110	900	13050	240	9.45	925	0.62
25	1	34.8	1.37	37.0	1.46	175	2530	700	10150	300	11.81	1360	0.91
31	1.1/4	44.3	1.74	47.0	1.85	150	2170	600	8700	420	16.54	2030	1.36
38	1.1/2	50.7	2.00	53.4	2.10	100	1450	410	5940	500	19.69	2275	1.52
51	2	63.5	2.50	66.2	2.61	90	1300	370	5360	630	24.80	3155	2.11

CONTINUOUS SERVICE TEMPERATURE RANGE : -67°F / +212°F, -55°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 275°F 135°C

RECOMMENDED FLUIDS : Mineral oils, glycol and polyglycols, transmission fluids, air with oil vapours, mineral oils in aqueous emulsion (up to 212°F 100°C)







TUBE : Oil resistant synthetic rubber.

REINFORCEMENT : TWO HIGH TENSILE STEEL BRAIDS

COVER : Blue synthetic rubber with high ozone, weather and heat resistance.







APPLICABLE SPECS. : Exceed EN 853 2SN -SAE 100 R2AT - ISO 1436-1 2SN/R2AT.

EXTREME STATIC PRESSURE JACK HOSE

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
6	1/4	12.7	0.50	14.7	0.58	725	10500	1450	21025	100	3.94	360	0.24
10	3/8	15.0	0.59	16.8	0.66	725	10500	1450	21025	127	5.00	395	0.26

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C
RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.
TUBE : Oil resistant synthetic rubber.
REINFORCEMENT : Two high tensile steel braids.
COVER : Environment resistant synthetic rubber.
APPLICABLE SPECS. : IJ100 hydraulic jack spec.

MINING HOSE

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
6	1/4	11.3	0.44	13.1	0.52	450	6520	1800	26100	45	1.77	260	0.27
10	3/8	16.7	0.66	18.5	0.73	400	5800	1600	23200	127	5.00	525	0.35
12	1/2	20.1	0.79	22.1	0.87	362	5240	1450	21020	178	7.01	745	0.50
16	5/8	23.2	0.91	25.2	0.99	340	4930	1360	19720	200	7.87	870	0.58
19	3/4	27.1	1.07	29.3	1.15	310	4490	1240	17980	240	9.45	1070	0.72
25	1	35.1	1.38	37.8	1.49	240	3480	960	13920	300	11.81	1590	1.07
31	1.1/4	44.5	1.75	47.2	1.86	175	2530	700	10150	419	16.50	2150	1.44
38	1.1/2	51.0	2.01	53.7	2.11	146	2110	584	8460	500	19.69	2500	1.68
	51	2	62.8	2.47	65.5	2.58	130	1880	530	7680	630	24.80	30902.07

CONTINUOUS SERVICE TEMPERATURE RANGE : -40°F / +212°F, -40°C / +100°C
RECOMMENDED FLUIDS : Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water.
TUBE : Oil resistant synthetic rubber.
REINFORCEMENT : Two high tensile steel braids
COVER : Synthetic rubber with high ozone, weather and heat resistance.
APPLICABLE SPECS. : AVL Design

PNEUMATIC TOOL HOSE

Exceeds IS : 446 Type 2

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
6.3	1/4	12.7	0.50	14.0	1.4	200	56.0	5.6	800	15.0	-	
8.0	5/16	14.3	0.56	14.0	1.4	200	56.0	5.6	800	15.0	-	
10.0	3/8	16.7	0.66	14.0	1.4	200	56.0	5.6	800	15.0	-	
12.5	½	20.0	0.79	14.0	1.4	200	56.0	5.6	800	15.0	-	
20.0	3/4	28.5	1.12	14.0	1.4	200	56.0	5.6	800	15.0	-	-30°C to +82°C
25.0	1	33.5	1.32	14.0	1.4	200	56.0	5.6	800	15.0	40.5	
31.5	1.1/4	41.2	1.62	14.0	1.4	200	56.0	5.6	800	15.0	40.5	
38.0	1.1/2	47.5	1.87	14.0	1.4	200	56.0	5.6	800	15.0	40.5	
50.0	2	60.6	2.39	14.0	1.4	200	56.0	5.6	800	15.0	40.5	

TUBE :

Modified Nitrile Rubber, Black.

REINFORCEMENT :

Single Braid of High Tenacity Synthetic Yarn for size 6.3mm to 25mm.

Single Braid of High Tensile Brass Coated Steel Wire for Size 31.5mm to 50.0mm.

COVER :

Specially Compounded Highly Abrasion Resistant Nitrile Rubber for sizes 6.3mm to 20.0mm Black.

Highly Abrasion Resistant Modified Natural Rubber for sizes 25.0mm and above Black.

APPLICATION :

Recommended for all types of Pneumatic Tools in Industries, Compressed Air applications and Construction Industry.

AIR / WATER HOSE

Exceeds IS : 446 Type 1 444 Type 2

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
12.5	1/2	20.0	0.79	12.0	1.2	170	36.0	3.6	510	15.0	-	
20.0	3/4	28.5	1.12	12.0	1.2	170	36.0	3.6	510	15.0	-	
25.0	1	35.5	1.40	12.0	1.2	170	36.0	3.6	510	15.0	40.5	
31.5	1¼	43.5	1.71	12.0	1.2	170	36.0	3.6	510	15.0	40.5	
38.0	1½	50.0	1.97	12.0	1.2	170	36.0	3.6	510	15.0	40.5	-30°C to +82°C
50.0	2	65.0	2.56	12.0	1.2	170	36.0	3.6	510	15.0	40.5	

TUBE :

Modified Nitrile Rubber, Black.

REINFORCEMENT :

Single Braid of High Tenacity Synthetic Yarn

COVER :

Specially Compounded Highly Abrasion Resistant Nitrile Rubber for sizes 12.5mm to 20.0mm Black.







Highly Abrasion Resistant Modified Natural Rubber for sizes 25.0mm and above Black.

APPLICATION :

Recommended for all Air and Water applications requiring maximum flexibility in Engineering Industry. Workshops, Shipyards, irrigation etc.

ROCK DRILL HOSE

Exceeds IS : 446 Type 3

													
NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range	
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade	
12.5	1/2	19.8	0.78	21.0	2.1	300	84.0	8.4	1200	15.0	-		
20.0	3/4	28.0	1.10	21.0	2.1	300	84.0	8.4	1200	15.0	-	-30°C to +82°C	
25.0	1	37.8	1.48	21.0	2.1	300	84.0	8.4	1200	15.0	40.5		

TUBE :

Specially compounded Nitrile Rubber, Black.

REINFORCEMENT :

Single Braid of High Tenacity Synthetic Yarn.

COVER :

Specially Compounded Highly Abrasion Resistant Nitrile Rubber for sizes 12.5mm to 20.0mm Black.







Highly Abrasion Resistant Modified Natural Rubber for sizes 25.0mm Black.

APPLICATION :

Recommended for heavy duty, high pressure use on Industrial, Construction & Pneumatic Mining applications, requiring heavy duty hose with an oil resistant tube and abrasion resistant cover.

500 MP/AIR DRILL HOSE

Yellow or Black Cover

													
NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range	
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade	
20.0	3/4	28.3	1.11	34.5	3.45	500	138.0	13.8	2000	15.0	40.5		
25.0	1	36.6	1.44	34.5	3.45	500	138.0	13.8	2000	15.0	40.5		
31.5	1¼	44.2	1.74	34.5	3.45	500	138.0	13.8	2000	15.0	40.5	-30°C to +82°C	
38.0	1½	50.5	1.99	34.5	3.45	500	138.0	13.8	2000	15.0	40.5		
50.0	2	63.5	2.50	34.5	3.45	500	138.0	13.8	2000	15.0	40.5		

TUBE :

Specially compounded Nitrite Rubber Black.

REINFORCEMENT :

Single Braid of High Tensile Steel Wire.

COVER :

1. Specially Compounded Highly Abrasion Resistant Natural Rubber Black.

2. Highly Abrasion Resistant Modified Synthetic Rubber.

* All sizes with perforated cover.

* LSF Specs Fo.

APPLICATION :

Recommended for heavy duty, high pressure use on Industrial, Construction & Pneumatic Mining applications, requiring an extra heavy duty hose with an oil resistant tube and highly abrasion resistant cover.

Suitable for usage in Air Compressor of high capacity.

STEAM HOSE (1 WIRE)

Exceeds IS : 10655 Type 2 & BS : 5342 Type 1

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
20.0	3/4	31.0	1.22	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	
25.0	1	36.6	1.44	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	
31.5	1¼	43.5	1.71	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	-40°C to +195°C
38.0	1½	50.6	1.99	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	
50.0	2	63.5	2.50	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	

TUBE : EPDM. Black.

REINFORCEMENT : Single Braid of High Tensile Brass Coated Steel Wire.

COVER : EPDM. Black. All sizes are perforated.

APPLICATION : Recommended for with excellent steam handling the hose features a specially compounded, perforated synthetic rubber cover intended for use where the hose is exposed to all types of steam-saturated and superheated up to 150 psi and 195°C.

Note : Do not alternate change between Steam and Water.

STEAM HOSE (2 WIRE)

Exceeds IS : 10655 Type 3 & BS : 5342 Type 2

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
*12.5	*1/2	26.9	1.06	17.0	1.7	250	170.0	17.0	2500	*	*	
20.0	3/4	32.3	1.27	17.0	1.7	250	170.0	17.0	2500	15.0	40.5	
25.0	1	38.5	1.52	17.0	1.7	250	170.0	17.0	2500	15.0	40.5	-40°C to +232°C
31.5	1¼	46.0	1.81	17.0	1.7	250	170.0	17.0	2500	15.0	40.5	
38.0	1½	54.3	2.15	17.0	1.7	250	170.0	17.0	2500	15.0	40.5	
50.0	2	67.5	2.66	17.0	1.7	250	170.0	17.0	2500	-	-	

TUBE : EPDM. Black.

REINFORCEMENT : Single Braid of High Tensile Brass Coated Steel Wire for Size 12.7mm.

Two Braids of High Tensile Brass Coated Steel Wire for Sizes 20.0mm to 50.0 mm.







COVER : EPDM. Black. All Sizes are perforated.

APPLICATION : Recommended for heavy duty, industrial uses including heat control, melting of substances such as wax and glue, thawing, cleaning and steam transfer applications. It will handle all type of steam-saturated and superheated-up to 185 psi and +232°C.

Note : Do not alternate change between steam and water.

WASH DOWN HOSE

Exceeds IS : 444 Type 3B

													
NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range	
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade	
10.0	3/8	18.9	0.74	28.0	2.8	400	112.0	11.2	1600	15.0	-	-30°C to+82°C	
12.5	1/2	23.0	0.91	28.0	2.8	400	112.0	11.2	1600	15.0	-		

TUBE : Modified Nitrile Rubber. Black.

REINFORCEMENT : Single Braid of High Tenacity synthetic Yarn.







COVER : Modified Nitrile Rubber. Black.

APPLICATION :

Recommended for all car washing and pressure Washer applications in Garages, Service Stations and Industries.

SUPER SPRAY HOSE

Exceeds IS : 1677 Type 4

													
NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range	
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade	
10.0	3/8	21.0	0.83	55.0	5.5	800	165.0	16.5	2400	15.0	-	-30°C to+82°C	
12.5	1/2	24.6	0.97	55.0	5.5	800	165.0	16.5	2400	15.0	-		

TUBE : Modified Nitrile Rubber. Black.

REINFORCEMENT : Single Braid of High Tenacity synthetic Yarn.

COVER : Modified Nitrile Rubber. Black.

APPLICATION : Recommended for all car washing and pressure Washer applications in Garages, Service Stations and Industries.

PETROL DISPENSING HOSE

Meets Performance requirements of BS EN 1360 Type1 Exceeds IS : 2396

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
19.0	3/4	32.2	1.27	7.0	0.7	100	28.0	3.0	400	4.0*	40.0*	-30°C to+49°C
25.0	1	38.0	1.50	7.0	0.7	100	28.0	3.0	400	4.0*	40.0*	

TUBE : Specially compounded Nitrile Rubber Black. Resistant to high Aromatic Gasoline.

REINFORCEMENT : Two Braid of High Tenacity synthetic Yarn. Copper wires ensure reliable conductivity.

COVER : Modified Nitrile Rubber. Black.

APPLICATION : Recommended for dispensing all types of Petrol & Diesel fuels for Service Station Pumps. Electrical conductivity : having two numbers braided copper flex wires laid spirally in opposite direction for electrical conductivity.

GASOLINE HOSE

Meets performance requirements of BS EN 1360 Type 3

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
16.0	5/8	25.4	1.00	17.0	1.7	250	51.7	5.17	750	4.0*	40.0*	
19.0	3/4	28.7	1.13	17.0	1.7	250	51.7	5.17	750	4.0*	40.0*	-30°C to+49°C
25.4	1	35.0	1.37	17.0	1.7	250	51.7	5.17	750	4.0*	40.0*	

TUBE : Specially compounded Nitrile Rubber, Black. Resistant to high Aromatic Gasoline.

REINFORCEMENT : Braided High Tensile Steel Wire.

COVER : Modified Nitrile Rubber. Black.

APPLICATION : Recommended for dispensing all types of Petrol & Diesel fuels for Service Station Pumps. A heavy duty hardwall hose which does not collapse in reel use or behind the nozzle in demanding service conditions.

CNG HOSE

Meets SAE : 130 R6 AIS 028

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
6.3	1/4	12.7	0.50	21.0	2.1	300	48.0	4.8	700	15.0	-	-40°C to+100°C
8.0	5/16	14.3	0.56	21.0	2.1	300	48.0	4.8	700	15.0	-	
10.0	3/8	15.8	0.62	21.0	2.1	300	48.0	4.8	700	15.0	-	
12.5	½	19.8	0.78	21.0	2.1	300	48.0	4.8	700	15.0	-	
16.0	5/8	23.9	0.94	21.0	2.1	300	48.0	4.8	700	15.0	-	
19.0	3/4	28.5	1.12	21.0	2.1	300	48.0	4.8	700	15.0	40.5	
25.0	1	34.8	1.37	21.0	2.1	300	48.0	4.8	700	15.0	40.5	

TUBE : Specially compounded oil resistant Nitrile Rubber, Black.

REINFORCEMENT : High Tenacity synthetic Yarn.

COVER : Specially Compounded EPDM Black.

APPLICATION : Recommended for CNG applications for use in CNG Kits in Automobiles upto 2.1 Mpa - (Cars, LCV, HCV etc.)

CHEMICAL HOSE

Exceeds IS : 7654 Type 1

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
19.0	3/4	31.0	1.22	10.0	1.0	150	40.0	4.0	600	15.0	40.5	
25.4	1	38.0	1.50	10.0	1.0	150	40.0	4.0	600	15.0	40.5	
31.5	1¼	45.0	1.77	10.0	1.0	150	40.0	4.0	600	15.0	40.5	-40°C to+100°C
38.0	1½	52.0	2.05	10.0	1.0	150	40.0	4.0	600	15.0	40.5	
50.0	2	68.0	2.68	10.0	1.0	150	40.0	4.0	600	15.0	40.5	

TUBE : Specially compounded EPDM. Black.

REINFORCEMENT : High Tenacity synthetic Yarn.

COVER : Specially Compounded EPDM. Black.

APPLICATION : Recommended for conveying dilute chemicals e.g. Alum Liquor. Caustic Soda, Lime Solutions, Dilute Hydrochloric Acid, Dilute Sulphuric Acid, Methyl Alcohol, Ethyl Alcohol. Butyl Alcohol, Isobutanol, etc.

SANDBLAST HOSE

Exceeds IS : 5894 Type 1

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
20.0	3/4	38.6	1.52	7.0	0.7	100	35.0	3.5	500	15.0	40.5	
25.0	1	45.1	1.78	7.0	0.7	100	35.0	3.5	500	15.0	40.5	
31.5	1¼	52.7	2.07	7.0	0.7	100	35.0	3.5	500	15.0	40.5	-40°C to +70°C
38.0	1½	58.5	2.30	7.0	0.7	100	35.0	3.5	500	15.0	40.5	
50.0	2	71.8	2.83	7.0	0.7	100	35.0	3.5	500	15.0	40.5	

TUBE :

Specially Compounded Abrasion Resistant & Resilient Natural Rubber. Black.

REINFORCEMENT :

High Tenacity Synthetic Yarn. Twin copper wires ensure reliable conductivity.

COVER :

Specially Compounded Abrasion Resistant Natural Rubber. Black.

APPLICATION :

Recommended for sand Shot Blasting applications and where abrasive materials are carried at high velocity.

Electrical conductivity : having two numbers braided copper flex wires laid spirally in opposite direction for electrical conductivity.

CARBON FREE HOSE

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
**12.7	**½	21.6	0.85	17.0	1.70	250	69.0	6.9	1000	**	**	
19.8	3/4	31.0	1.22	17.0	1.70	250	69.0	6.9	1000	2.0	35.0	
26.2	1	37.5	1.48	17.0	1.70	250	69.0	6.9	1000	2.0	35.0	
32.4	1¼	45.2	1.78	17.0	1.70	250	69.0	6.9	1000	2.0	35.0	
39.2	1½	53.6	2.11	17.0	1.70	250	69.0	6.9	1000	2.0	35.0	-40°C to +100°C
51.8	2	66.0	2.60	17.0	1.40	200	56.0	5.6	800	2.0	35.0	
63.5	2½	81.0	3.18	17.0	1.40	200	56.0	5.6	800	2.0	35.0	
76.2	3	93.5	3.68	17.0	1.40	200	56.0	5.6	800	2.0	35.0	

TUBE :

Modified Synthetic Rubber. Grey.

REINFORCEMENT :

High Tenacity Synthetic Yarn

COVER :

Specially Compounded Nitrile. Green.

APPLICATION :

Recommended for specialised Furnace Coolant applications in Electrical Steel Industry and other Non-Conductive applications. Engineered with specially developed carbon free tube and cover, whereby meeting service requirements of low leakage current (Less than 20 micro amp at 6Kv DC)

SIPPER AVIATION HOSE

Emeets BS EN 1361 & API 1529 Type C

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
38.30	1½	56.00	2.20	21.00	2.10	300.00	84.00	8.40	200.00	15.00	40.50	
55.00	2	72.50	2.85	21.00	2.10	300.00	84.00	8.40	200.00	15.00	40.50	
63.50	2½	86.00	3.40	21.00	2.10	300.00	84.00	8.40	200.00	15.00	40.50	-30°C to +65°C
76.20	3	99.00	4.40	21.00	2.10	300.00	84.00	8.40	200.00	15.00	40.50	

TUBE :

Black, Resistant to aviation Fuel, Nitrile Rubber.

REINFORCEMENT :

2 brain of High-tenacity Synthetic Yarn.

COVER :

Black, Anti-Static, NBR/PVC Rubber.

APPLICATION :

Recommended for all Operations associated with Ground Fuelling & De-fuelling of Aircrafts. Suitable for applications with Petroleum Fuels having an Aromatic Hydrocarbon content not exceeding 30% by volume.

WRESTLER HOSE

Meets IS : 5894

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
20.20	¾	33.20	1.31	12.00	1.20	175.0	48.00	4.80	700.0	15.00	40.50	
25.20	1	39.20	1.54	12.00	1.20	175.0	48.00	4.80	700.0	15.00	40.50	
31.50	1 ¼	48.20	1.90	12.00	1.20	175.0	48.00	4.80	700.0	15.00	40.50	-40°C to +75°C
38.00	1½	56.20	2.21	12.00	1.20	175.0	48.00	4.80	700.0	15.00	40.50	

TUBE :

Excellent Abrasion Resistant, Anti-static, Modified NR, Black.

REINFORCEMENT :

High tenacity synthetic yarn.

¾", 1:Single yarn braid

1 ¼", 1 ½":Double yarn braid 2 braid of High-tenacity Synthetic Yarn.

COVER :

Excellent Abrasion Resistant, Modified NR, Black.

APPLICATION :

Highly abrasive material used in Sand Blasting applications including River sand, Garnets, Copper Slag, Coal Particles, Corundum, Cast Steel Grit, Glass, etc. Specially designed for superior performance - longer life due to very low tube wear.

CONCRETE HOSE

Gates proprietary Hose

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
63.50	2½	89.00	3.50	85.00	8.50	1233.0	255.00	25.50	3700.0	15.50	40.50	
76.20	3	100.00	3.94	85.00	8.50	1233.0	255.00	25.50	3700.0	15.50	40.50	-40°C to +70°C

TUBE :

Specially compounded abrasion resistant & resilient natural rubber black.

REINFORCEMENT :

High tenacity synthetic yarn. Twin copper wires ensure reliable conductivity.

COVER :

Specially Compounded Abrasion Resistant Natural Rubber. Black.

APPLICATION :

Recommended to handle the pumping of concrete with high head pressure from concrete boom truck and as a discharge hose on the delivery end of high pressure concrete pumps. Specially designed high abrasion resistant tube is most suited for handling wet concrete, plaster or grout material.

CARBON FREE HOSE

Non Conductive Hose

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
12.70	½	21.60	0.85	17.20	1.72	250	69.0	6.9	1000	2	3	
19.80	¾	31.00	1.22	17.20	1.72	250	69.0	6.9	1000	2.0	35.0	
26.20	1	37.50	1.48	17.20	1.72	250	69.0	6.9	1000	2.0	35.0	
32.40	1¼	45.20	1.78	17.20	1.72	250	69.0	6.9	1000	2.0	35.0	
39.40	1½	53.60	2.11	17.20	1.72	250	69.0	6.9	1000	2.0	35.0	-40°C to +100°C
51.80	2	66.00	2.60	14.00	1.40	200	56.0	5.6	800	2.0	35.0	
63.50	2½	81.00	3.18	14.00	1.40	200	56.0	5.6	800	2.0	35.0	
76.20	3	93.50	3.68	14.00	1.40	200	56.0	5.6	800	2.0	35.0	

TUBE :

Modified synthetic rubber. Grey.

REINFORCEMENT :

High Tenacity Synthetic Yarn

COVER :

Specially Compounded Nitrile. Green.

APPLICATION :

Recommended for specialist furnace coolant application in electrical steel industry and other non-conductive applications. Engineered with specially developed carbon-free tube and cover, whereby meeting service requirements of low leakage current (less than 20 micro amp at 2 KV DC)

SAND BLAST HOSE

Exceeds IS : 5894 Type 1

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
20.00	¾	38.60	1.52	7.00	0.70	100.0	35.00	3.50	500.0	15.00	40.50	
25.00	1	45.10	1.78	7.00	0.70	100.0	35.00	3.50	500.0	15.00	40.50	-40°C to +70°C
31.50	1 ¼	52.70	2.07	7.00	0.70	100.0	35.00	3.50	500.0	15.00	40.50	
38.00	1 ½	58.50	2.30	7.00	0.70	100.0	35.00	3.50	500.0	15.00	40.50	
50.00	2	71.80	2.83	7.00	0.70	100.0	35.00	3.50	500.0	15.00	40.50	

TUBE :

Specially compounded abrasion resistant & resilient natural rubber black.

REINFORCEMENT :

High tenacity synthetic yarn. Twin copper wires ensure reliable conductivity.

COVER :

Specially Compounded Abrasion Resistant Natural Rubber. Black.

APPLICATION :

Recommended for sand, shot blasting applications where abrasive material are carried at high velocity.

Electrical conductivity : having two numbers braided copper flex wires laid spirally in opposite direction for electrical conductivity.

SUPER HOSE

NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade
25.40	1	37.50	1.48	215.00	21.50	3125.0	840.0	84.00	1200	5	40.50	-40°C to +100°C

TUBE :

Black, oil-resistant synthetic rubber (Nitrile).

REINFORCEMENT :

Two braids of high tensile steel wire.







COVER :

Black, oil, abrasion and flame resistant synthetic rubber (Modified Nitrile).

APPLICATION :

High pressure hydraulic lines in longwall mining equipment and roof-support system/petroleum based or water emulsion fluids.

EXTREME TEMPERATURE HOSE

													
HOSE SIZE		R.O.D.		O.D.		MAX W.P.		BURST PRESSURE		MIN. BEND RADIUS		WEIGHT	
DN	Inch	mm	Inch	mm	Inch	bar	psi	bar	psi	mm	Inch	g/m	lb/ft
6	1/4	11.0	0.43	13.4	0.53	225	3260	1000	14500	100	3.94	240	0.16
8	5/16	12.6	0.50	15.0	0.59	215	3110	900	13050	114	4.49	280	0.19
10	3/8	15.0	0.59	17.3	0.68	180	2610	800	11600	127	5.00	340	0.23
12	1/2	18.1	0.71	20.5	0.81	160	2320	680	9860	178	7.01	435	0.29
16	5/8	21.3	0.84	23.5	0.93	130	1880	600	8700	200	7.87	505	0.34
19	3/4	25.2	0.99	27.7	1.09	105	1520	500	7250	240	9.45	645	0.43
25	1	33.1	1.30	35.8	1.41	88	1270	360	5220	300	11.81	980	0.66
31	1.1/4	40.6	1.60	43.5	1.71	65	940	345	5000	420	16.54	1305	0.87
38	1.1/2	46.9	1.85	50.0	1.97	50	720	290	4200	500	19.69	1550	1.04
51	2	60.4	2.38	63.1	2.48	40	580	250	3620	630	24.80	2250	1.51

CONTINUOUS SERVICE TEMPERATURE RANGE : -67°F / +212°F, -55°C / +100°C

MAX OPERATING TEMPERATURE : (Intermittent Service) 275°F 135°C

RECOMMENDED FLUIDS : Mineral oils, glycol and polyglycols, transmission fluids, air with oil vapours, mineral oils in aqueous emulsion (up to 212°F 100°C)

TUBE : Oil resistant synthetic rubber.






REINFORCEMENT : One high tensile steel braids

COVER : Blue synthetic rubber with high ozone, weather and heat resistance. MSHA approval

APPLICABLE SPECS. : Exceed EN 853 1SN -SAE 100 R1AT - ISO 1436-1 1SN/R1AT.

BLACK SNAKE HOSE

Exceeds BS EN : 1360 Type 3

													
NOMINAL I.D.		MEAN O.D.		WORKING PRESSURE			MIN. BURST PRESSURE			Packing Specs. Length in Metres		Service Temp. Range	
mm	Inch	mm	Inch	Kg/Cm ²	Mpa	psi	Kg/Cm ²	Mpa	psi	Min Lgth.	Max Lgth.	Centigrade	
19.00	3/4	28.70	1.13	17.00	1.70	250.00	51.70	84.00	1200	5	40.50	-40°C to +100°C	
25.40	1	35.00	1.37	17.00	1.70	250.00	51.70						
16.00	5/8	25.40	1.00	17.00	1.70	250.00	51.70						
38.00	1½	49.80	1.96	17.00	1.70	250.00	51.70						
19.00	3/4blue	28.70	1.13	17.00	1.70	250.00	51.70						
25.40	1 blue	35.00	1.37	17.00	1.70	250.00	51.70						
19.00	3/4green	28.70	1.13	17.00	1.70	250.00	51.70						
25.40	1green	35.00	1.37	17.00	1.70	250.00	51.70						
19.00	3/4red	28.70	1.13	17.00	1.70	250.00	51.70						
19.00	3/4yellow	28.70	1.13	17.00	1.70	250.00	51.70						

TUBE : Black, oil-resistant synthetic rubber (Nitrile).

REINFORCEMENT : Two braids of high tensile steel wire.

COVER : Black, oil, abrasion and flame resistant synthetic rubber (Modified Nitrile).

APPLICATION : High pressure hydraulic lines in longwall mining equipment and roof-support system/petroleum based or water emulsion fluids.