

GATES INDUSTRIAL HOSES

PNEUMATIC TOOLS HOSE Exceeds IS: 446 Type 2



CONSTRUCTION

TUBE: Modified Nitrile Rubber. Black.

REINFORCEMENT:

- Single Braid of High Tenacity Synthetic Yarn for size 6.3 mm to 25 mm.
- Single Braid of High Tensile Brass Coated Steel Wire for size 31.5 mm t 50.0 mm.

COVER:

- Specially Compounded Highly Abrasion Resistant Nitrile Rubber for sizes 6.3 mm to 20.0 mm. Black.
- Highly Abrasion Resistant Modified Natural Rubber for sizes 25.0 mm and above. Black.

APPLICATION

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

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	--	-30°C to +82°C
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	1/2	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	--	
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	

BLACKSNAKE GASOLINE HOSE

Meets performance requirements of BS EN 1360 TYPE 3



CONSTRUCTION

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.

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#	-30°C to +49°C
19.0	3/4	28.7	1.13	17.0	1.7	250	51.7	5.17	750	4.0#	40.0#	
25.4	1	35.0	1.37	17.0	1.7	250	51.7	5.17	750	4.0#	40.0#	

WASH DOWN HOSE Exceeds IS: 444 Type 3B



CONSTRUCTION

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.

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	--	

**SUPER SPRAY HOSE
(AG SPRAY)
Exceeds IS: 1677 Type 4**



CONSTRUCTION

TUBE: Modified Nitrile Rubber. Black.
REINFORCEMENT:

- Single Braid of High Tenacity Synthetic Yarn.

 COVER: Modified Nitrile Rubber. Black.

APPLICATION

Recommended for very high pressure spraying of water based pesticides & chemicals in Agriculture & Forestry. Oil resistant tube ensures longer life.

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	--	
12.5	1/2	24.6	0.97	55.0	5.5	800	165.0	16.5	2400	15.0	--	-30°C to +82°C

**STEAM HOSE (1 WIRE)
Exceeds IS: 10655 Type 2 &
BS: 5342 Type 1**



CONSTRUCTION

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 upto 150 psi and 195°C.
Note: Do not alternate change between Steam and Water.

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	-40°C to +195°C
25.0	1	36.6	1.44	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	
31.5	1 ¼	43.5	1.71	10.0	1.0	150	100.0	10.0	1500	15.0	40.5	
38.0	1 ½	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	

**205MB STEAM KING HOSE
(2 WIRE)
Exceeds IS: 10655 Type 3 &
BS: 5342 Type 2**



CONSTRUCTION

TUBE: EPDM. Black.
REINFORCEMENT:

- Single Braid of High Tensile Brass Coated Steel Wire FOR size 12.7 mm.
- Two Braids of High Tensile Brass Coated Steel Wire FOR size 20.0 mm 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

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	*	*	-40°C to +232°C
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	
31.5	1 ¼	46.0	1.81	17.0	1.7	250	170.0	17.0	2500	15.0	40.5	
38.0	1 ½	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			

ROCK DRILL HOSE
Exceeds IS: 446 Type 3



CONSTRUCTION

TUBE: Specially compounded Nitrile Rubber. Black.
REINFORCEMENT:

- Single Braid of High Tenacity Synthetic Yarn.

COVER:

- Specially Compounded Highly Abrasion Resistant Nitrile Rubber for size 12.5 mm & 20.0 mm. Black.
- Highly Abrasion Resistant Modified Natural Rubber for size 25.0 mm. 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.

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	--	-30°C to +82°C
20.0	3/4	28.0	1.10	21.0	2.1	300	84.0	8.4	1200	15.0	--	
25.0	1	37.8	1.48	21.0	2.1	300	84.0	8.4	1200	15.0	40.5	

500 MP / AIR DRILL HOSE
(Yellow or Black Cover)



CONSTRUCTION

TUBE: Specially compounded Nitrile Rubber. Black.
REINFORCEMENT:

- Single Braid of High Tensile Steel Wire.

COVER:

Option 1: Specially Compounded Highly Abrasion Natural Rubber. Black
Option 2: Highly Abrasion Resistant Modified Nitrile Rubber. Yellow.

*All sizes with perforated cover.

*Yellow cover MSHA 1C-11C, Flame Resistant.

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 abrasion resistant cover.

Suitable for usage in Air Compressor of high capacity.

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	-30°C to +82°C
25.0	1	36.6	1.44	34.5	3.45	500	138.0	13.8	2000	15.0	40.5	
31.5	1 ¼	44.2	1.74	34.5	3.45	500	138.0	13.8	2000	15.0	40.5	
38.0	1 ½	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	

PETROL DISPENSING HOSE

Meets performance requirements of BS EN 1360 TYPE 1
Exceeds IS: 2396



CONSTRUCTION

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

- Two Braids 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.

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#	

AIR / WATER HOSE
Exceeds IS: 446 Type 1
446 Type 2



CONSTRUCTION

TUBE: Modified Nitrile Rubber. Black.
REINFORCEMENT:

- Single Braid of High Tenacity Synthetic Yarn.

COVER:

- Specially Compounded Highly Abrasion Resistant Nitrile Rubber for size 12.5 mm & 20.0 mm. Black.
- Highly Abrasion Resistant Modified Natural Rubber for sizes 25.0 mm and above. Black.

APPLICATION

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

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	--	-30°C to +82°C
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	1 ¼	43.5	1.71	12.0	1.2	170	36.0	3.6	510	15.0	40.5	
38.0	1 ½	50.0	1.97	12.0	1.2	170	36.0	3.6	510	15.0	40.5	
50.0	2	65.0	2.56	12.0	1.2	170	36.0	3.6	510	15.0	40.5	

CNG HOSE
Meets SAE J30 R6 AIS 028



CONSTRUCTION

TUBE: Specially compounded Oil Resistant Nitrile Rubber. Black.
REINFORCEMENT: High Tenacity Synthetic Yarn.
COVER: Modified Nitrile Rubber. Black.

APPLICATION

Recommended for CNG applications for use in CNG kits in Automobiles upto 2.1 Mpa – (

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	1/2	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	

CHEMICAL HOSE
Exceeds IS: 7654 Type 1



CONSTRUCTION

TUBE: Specially compounded EPDM. Black.
REINFORCEMENT: High Tenacity Synthetic Yarn
COVER: Specially Compounded Oil & Abrasion Resistant Nitrile Rubber. 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.

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	-40°C to +100°C
25.4	1	38.0	1.50	10.0	1.0	150	40.0	4.0	600	15.0	40.5	
31.5	1 ¼	45.0	1.77	10.0	1.0	150	40.0	4.0	600	15.0	40.5	
38.0	1 ½	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	

SANDBLAST HOSE
Exceeds IS: 5894 Type 1



CONSTRUCTION

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.

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	-40°C to +70°C
25.0	1	45.1	1.78	7.0	0.7	100	35.0	3.5	500	15.0	40.5	
31.5	1 ¼	52.7	2.07	7.0	0.7	100	35.0	3.5	500	15.0	40.5	
38.0	1 ½	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	

CARBON FREE HOSE



CONSTRUCTION

TUBE: Modified Synthetic Rubber. Grey.
REINFORCEMENT: High Tenacity Synthetic Yarn.
COVER: Specially Compounded Abrasion Resistant Natural Rubber. Black.

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)

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	**1/2	21.6	0.85	17.0	1.70	250	69.0	6.9	1000	**	**	-40°C to +100°C
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	1 ¼	45.2	1.78	17.0	1.70	250	69.0	6.9	1000	2.0	35.0	
39.2	1 ½	53.6	2.11	17.0	1.70	250	69.0	6.9	1000	2.0	35.0	
51.8	2	66.0	2.60	14.0	1.40	200	56.0	5.6	800	2.0	35.0	
63.5	2 ½	81.0	3.18	14.0	1.40	200	56.0	5.6	800	2.0	35.0	
76.2	3	93.5	3.68	14.0	1.40	200	56.0	5.6	800	2.0	35.0	
										2.0	35.0	

C. L. SHAH & CO.

137, Canning Street, Kolkata – 700 001

Phone: 2243 1198 / 3363, Fax: 2230 2678

Mobile: 98300 42037, Email: shiv_chopra@vsnl.net