

# DOZZ<sup>®</sup>

## Complete Hose Solution





## Carbon-Di-Oxide Hose Fire Extinguisher

Suitable For **Class B & C** Fires Involving Material Like Fabrics, Oil, Gases, Electric & Delicate Machineries.

This Hose is available 1 Mtr., 2 Mtr., 3 Mtr., 5 Mtr. Length



Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>
CO <sub>2</sub> - 6.5 Kg.	16018	25 - 30	2.5 - 3	236
CO <sub>2</sub> - 9 Kg.	16018	30 - 35	2.5 - 3	236
CO <sub>2</sub> - 22.5 Kg.	16018	50 - 60	2.5 - 3	236

## “DOZZ” ABC Fire Extinguisher Hose

Suitable For **Class A, B C & D** Fires Involving Combustible Material Like Wood Paper, Cloth Flammable Gas Liquid Petrol, Paints Solvents & Electricity Started Fires & All Classes of Fire.



Description	BIS spec.	Discharge Time (Sec.)	Jet Length (Meters)	Test Pressure Kg/Cm <sup>2</sup>
ABC - 1 Kg	15683	6 - 8	2 - 3	35
ABC - 2 Kg	15683	6 - 8	2 - 3	35
ABC - 4 Kg	15683	6 - 8	6 - 7	35
ABC - 6 Kg	15683	10 - 12	6 - 7	35
ABC - 9 Kg	15683	12 - 18	6 - 7	35

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# DOZZ CARBON FREE HOSE



**Lining** : Smooth, non conductive, natural / Synthetic / blend rubber compound.

**Reinforcement** : Natural / Synthetic rubberized woven textile fabric.

**Tube** : Smooth grey synthetic rubber tube, non-conductive.

**Cover** : Oil, heat and electrical resistant synthetic rubber compound.

## Technical Specifications for DOZZ<sup>®</sup>

Nominal I.D.		Mean O.D.		Max Working Pressure		Minimum Burst Pressure		Max Vacuum	Min. Bend Radius
INCH	MM	INCH	MM	BAR	PSI	BAR	PSI	INCH HG	MM
1/2"	12.5	0.85	21.5	10	150	40	600	25	120
3/4"	20.0	1.22	31.0	10	150	40	600	25	150
1"	25.0	1.48	37.5	10	150	40	600	25	200
1 1/4"	31.5	1.77	45.0	10	150	40	600	15	250
1 1/2"	38.0	2.08	53.0	10	150	40	600	15	300
2"	50.00	2.60	66.0	10	150	40	600	10	419
2.1/2"	63			10	150	40	600		
3"	75			10	150	40	600		
				10	150	40	600		

**Temperature Range** : -40°C to +100°C

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# DOZZ CHEMICAL HOSE



**Tube :** Specially compounded chemical resistant EPDM rubber black.

**Reinforcement :** High tenacity synthetic textile braid (above 1.1/2" with helical wire)

**Cover :** Specially compounded chemical resistant EPDM rubber back.

## Technical Specifications for DOZZ<sup>®</sup>

Nominal I.D.		Mean O.D.	Max Working Pressure		Minimum Burst Pressure		Max Vacuum
INCH	MM	MM	BAR	PSI	BAR	PSI	BAR
1/2"	12.5	22.0	10	150	40	600	0.9
3/4"	20.0	31.0	10	150	40	600	0.9
1"	25.0	38.0	10	150	40	600	0.9
1 1/4"	31.5	45.0	10	150	40	600	0.9
1 1/2"	38.0	52.0	10	150	40	600	0.9
2"	50.00	67.0	10	150	40	600	0.9
2.1/2"	63.5	80	10	150	40	600	0.9
3"	76	92	10	150	40	600	0.9
4"	102	118	10	150	40	600	0.9

**Temperature Range :** Specially -30°C to +100°C

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# DOZZ Expansion Bellow Hose & Joint Assemblies



Metal Bellows Expansion joints have been designed to absorb a specified amount of movement by flexing of the thin-gauge convolutions. If proper care is not taken during installation, it may reduce the cycle life and the pressure capacity of the Expansion joints which could result in an early failure of the bellows element or damage the piping systems. See table given below.

## Technical Specifications for DOZZ<sup>®</sup>

Sr. No.	SIZE (N.B.)		BELLOWS (M.M.)		AXIAL Movement	Max. No. of Conv. / Bellows
	INCH	MM	I.D.	O.D.	MM / Conv.	
1	2	50	60.3	78.3	1.5	20
2	2.1/2	65	73.1	93.1	2	18
3	3	80	88.9	110.9	2	15
4	4	100	114.3	138.3	3	15
5	5	125	141.3	165.3	3	15
6	6	150	168.3	192.3	3	15
7	8	200	219.1	255.1	4.5	10
8	10	250	273.1	309.1	4.5	10
9	12	300	323.9	360	4.5	10
10	14	350	356	408	6	10
11	16	400	407	459	6	10
12	18	450	457	509	6	10
13	20	500	508	560	6	10
14	22	550	559	611	6	10
15	24	600	610	678	8	6
	26	650				
	to	to	consult our Design Dept			
	78	2000				

### Recommendation for Installation :

- \* Yellow Shipping Rods are to be removed after installation and prior to pressure test of equipment.
- \* Install assembly as per flow direction, if marked.
- \* Remove any foreign material that may have become lodged between the convolutions.
- \* Protect bellows from weld spatter.
- \* Do not use cleaning agent which contains chlorides.
- \* Do not use steel wool and wire brush on the bellows membrane.
- \* Do not stretch, compress or off-set the expansion joint to fit the piping system, other wise the expansion joint may be over stressed when the system is in service.
- \* Do not exceed rated Test Pressure and Design Condition of the Expansion Joint.

Use only designated lifting lugs when provided. Lugs are normally provided in heavy design in large

IS: 446-2017



CM/L-2605751

**APPLICATION :**

Recommended for use with air compressor and other civil construction sites and industrial applications

**CONSTRUCTION TUBE :**

Uniform in thickness made from a blend of natural and Synthetic Rubber compound.

**REINFORCEMENT :**

High Tensile Synthetic yarn.

**COVER :** Natural modified rubber Abrasion and Ozone Resistant,

**FINISH -** Plain smooth

**TEMP RANGE :**

-25°C to + 70°C

**Colour :**

Inner-Black & Outer Cover-Black

# Dozz Rubber Hose for Air / Pneumatic

## Technical Specifications

Bore (in mm)	Type	W. P. (in Bar)	P. P. (in Bar)	Min. B.P. (in Bar)	Min. Tensile Strength (in Mpa)	Elongation at Break (in %)
4 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
5 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
6.3 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
8 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
10 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
12.5 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
16 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
19 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
20 $\pm$ 0.75	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
25 $\pm$ 1.25	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
31.5 $\pm$ 1.25	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
38 $\pm$ 1.50	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
40 $\pm$ 1.50	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%
51 $\pm$ 1.50	1/2/3	10/16/25	20/32/50	40/64/100	7.00	250%



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Confirming to IS : 444-2017



# RUBBER WATER HOSE



Applications :- The Hose has a wide range of applications in various Industries, Home, Agriculture Projects, Mines and Dams. Besides this, the Hose is widely used In Hose Reels in various Fire fighting applications.

Construction :- The inner Lining is seamless and smooth in bore. The reinforcements thereafter is of High strength synthetic or Natural Yarn. The outer Cover is then made of weather and abrasion resistance Rubber.

Unique Feature :- The "DOZZ" Rubber water hose has an excellence of ISI certification mark.

## Technical Specifications for DOZZ®

Bore (in mm)	Type	Tensile Strength (in Mpa)	Elongation at break (in percent) min.	P. P. (in Mpa)	W. P. (in Mpa)	Bursting pressure (in Mpa) min.
12.5 $\pm$ 0.75	1	5.0	200	0.90	0.60	1.80
20.0 $\pm$ 0.75	1	5.0	200	0.90	0.60	1.80
25.0 $\pm$ 1.25	1	5.0	200	0.90	0.60	1.80
12.5 $\pm$ 0.75	2	5.0	200	1.50	1.00	3.00
20.0 $\pm$ 0.75	2	5.0	200	1.50	1.00	3.00
25.0 $\pm$ 1.25	2	5.0	200	1.50	1.00	3.00
32 $\pm$ 1.25	1	5.0	200	0.90	0.60	1.80
38 $\pm$ 1.50	1	5.0	200	0.90	0.60	1.80
50 $\pm$ 1.50	1	5.0	200	0.90	0.60	1.80
32 $\pm$ 1.25	2	5.0	200	1.50	1.00	3.00
38 $\pm$ 1.50	2	5.0	200	1.50	1.00	3.00
50 $\pm$ 1.50	2	5.0	200	1.50	1.00	3.00

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# DOZZ STEAM HOSE



**TUBE :**  
BLACK COLOUR, EPDM RUBBER RESISTANCE TO HIGH TEMP. STEAM

**REINFORCEMENT :**  
SINGLE STEEL WIRE BRAID.

**COVER :**  
BLACK COLOUR, EPDM RUBBER RESISTANCE TO ABRASION, HEAT AND WEATHER



I.D.		O.D.		Max WP		Min BP		Min Bend Radius
INCH	MM	MM		BAR	PSI	BAR	PSI	MM
1/2	12.5	0.93		145	10	1450	100	7.0
3/4	20.0	1.20		145	10	1450	100	9.8
1	25.0	1.46		145	10	1450	100	11.8

Temperature Range : -30°C to +185°C

# DOZZ STEAM HOSES

**TUBE :**  
BLACK COLOUR, EPDM RUBBER RESISTANCE TO HIGH TEMP. STEAM

**REINFORCEMENT :**  
TWO BRAID OF HIGH TENSILE BRASS COATED STEEL WIRE

**COVER :**  
BLACK COLOUR, EPDM RUBBER RESISTANCE TO ABRASION, HEAT AND WEATHER



I.D.		O.D.		Max WP		Min BP		Min Bend Radius
INCH	MM	INCH	MM	BAR	PSI	BAR	PSI	MM
1/2	12.5	0.98	25.0	17.5	254	175	2537	180
3/4	20.0	1.28	32.5	17.5	254	175	2537	250
1	25.0	1.48	37.5	17.5	254	175	2537	300
1.1/4	31.5	1.73	44.0	17.5	254	175	2537	375
1.1/2	38.0	1.99	50.5	17.5	254	175	2537	455
2	51.0	2.50	63.5	17.5	254	175	2537	600

Temperature Range : -30°C to +232°C

# APPLICATIONS

- For Plywood industries, Tyre Plants, Food Processing factories, another steam application.

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# DOZZ RUBBER HOSE



## HIGH PRESSURE HYDRAULIC HOSE

### SAE - 100 R1 / DIN 20022 1SN

#### SPECIFICATION :

Conforming to Std. SAE - 100 R1



#### Construction :

Tube : Seamless oil resistant.

Reinforcement : One braid of HTS Wire.

Cover : Oil, weather & abrasion resistant.

Temperature : (-40oC) to 120oC

End Connection : Swaged or Crimped or Reusable Type.

#### Application :

For high pressure hydraulic oils, fuel, lubricating oils, water and air

I.D. Inches	I.D. mm	O.D. mm	Working Pressure psi	Test Pressure psi	Min. Bend radius mm
3/16	4.8	11.8	3000	6000	89
1/4	6.4	13.4	2750	5500	102
5/16	7.9	15.0	2500	5000	114
3/8	9.5	17.4	2250	4500	127
1/2	12.7	20.5	2000	4000	178
5/8	15.9	23.7	1500	3000	203
3/4	19.0	27.7	1250	2500	241
1	25.4	35.6	1000	2000	305
1 1/4	31.8	44.8	625	1250	419
1 1/2	38.1	50.6	500	1000	508
2	50.8	64.1	375	750	635

### SAE - 100 R2 / DIN 20022 2SN

#### SPECIFICATION :

Conforming to Std. SAE - 100 R2



#### Construction :

Tube : Seamless oil resistant.

Reinforcement : Two braid of HTS Wire.

Cover : Oil, weather & abrasion resistant.

Temperature : (-40oC) to 120oC

End Connection : Swaged or Crimped or Reusable Type.

#### Application :

For high pressure hydraulic oils, fuel, lubricating oils, water and air

I.D. Inches	I.D. mm	O.D. mm	Working Pressure psi	Test Pressure psi	Min. Bend radius mm
3/16	4.8	14.1	5000	10000	89
1/4	6.4	15.7	5000	10000	102
5/16	7.9	17.3	4250	8500	114
3/8	9.5	19.7	4000	8000	127
1/2	12.7	23.1	3500	7000	178
5/8	15.9	26.3	2750	5500	203
3/4	19.0	30.2	2250	4500	241
1	25.4	38.9	2000	4000	305
1 1/4	31.8	49.0	1650	3250	419
1 1/2	38.1	56.5	1250	2500	508
2	50.8	68.6	1125	2250	635

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## DOZZ ROCK DRILL HOSE

Exceed IS :446 type 3 (Wire Braided)

### TUBE :

Specially designed oil resistant synthetic rubber.


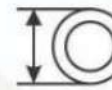


### REINFORCEMENT :

Single braid of high tensile steel wire .

### COVER :

Excellent weather & abrasion resistant natural rubber black.



 I.D.		 O.D.		 Max WP		 Min BP		 Min Bend Radius
INCH	MM	INCH	MM	BAR	PSI	BAR	PSI	MM
1/2	12.5	0.80	20.5	50	750	200	3000	120
3/4	20.0	1.12	28.5	50	750	200	3000	150
1	25.0	1.42	36.0	50	750	200	3000	200
1.1/4	31.5	1.77	45.0	50	750	200	3000	250
1.1/2	38.0	1.97	50.0	50	750	200	3000	300
2	50.0	2.45	62.3	40	600	160	2400	400

Temperature Range : -30°C to +80°C

## APPLICATIONS

- Air applications in oil field
- Mining
- Construction
- Heavy duty compression

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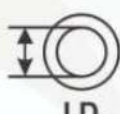

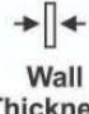



# DOZZ TEFLON HOSE









**TUBE :**  
PTFE

**REINFORCEMENT :**  
SS 304 steel wire braided



PLAIN TEFLON						
	 I.D.	 O.D.	 Wall Thickness	 Max WP	 Min BP	 Min Bend Radius
INCH	MM	MM	MM	BAR	BAR	MM
3/16	2.85-3.25	5.45-6.15	0.65-1	225	900	70
1/4	5.95-6.55	8.45-9.25	0.8-1	210	840	81
5/16	7.85-8.45	10.55-11.46	0.8-1	175	700	131
3/8	9.65-10.35	12.25-13.15	0.8-1	165	660	182
1/2	12.55-13.25	15.85-17.25	0.9-1.5	120	480	211
5/8	15.75-16.35	18.65-19.25	1-1.5	88	352	252
3/4	18.65-19.25	22.15-23.45	1-1.5	75	300	323
1	24.85-25.65	28.85-29.85	1-1.5	62	248	485

CORRUGATED TEFLON								
 I.D.		 O.D.		 Wall Thickness	 Max WP	 Min BP	 Min Bend Radius	
INCH	MM	INCH	MM	MM	BAR	BAR	INCH	MM
3/8	9.65	0.540	13.7	0.75	150	600	0.8	20
1/2	12.83	0.725	18.4	0.75	135	540	1.0	25
5/8	16.00	0.827	21.0	0.80	100	400	2.0	50
3/4	19.18	1.020	25.9	0.90	80	320	2.6	65
1	25.53	1.331	33.8	1.00	55	220	3.6	90
1.1/4	31.88	1.680	42.7	1.00	45	180	4.4	110
1.1/2	38.23	1.890	48.0	1.00	35	140	6.0	150
2	50.93	2.420	61.5	1.00	25	100	8.0	200

Temperature Range : -54°C to +260°C

## APPLICATIONS

- High temperature steam gases chemical and food products

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