



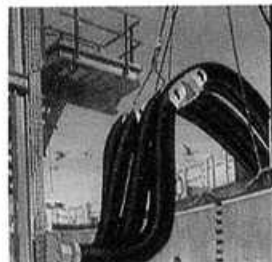
Hose Type & Construction	Nominal Bore I.D. in mm	O.D. (mm)	Working Pressure (bar)	Bursting Pressure (bar)	Tolerance in size	Roll Lengths Availability (in meters)	Application
<b>PETROLEUM DOCK</b> (OIL SUCTION & DISCHARGE) (natural synthetic woven rubberised plies with two helical GS wires embedded in reinforcement plies in case of Smooth Bore while first is internal & second is embedded in case of Rough Bore with smooth or corrugated outer cover resistant to oil weather & abrasion comprising antistatic copper wire) conforming to IS : 8189	75	89	10	40	I.D.	9/15.25	Offshore & dock operations of petroleum products with upto 25% aromatic hydrocarbon content.
	102	116	10	40	±1.50mm	6/7.5	
	152	171	10	40		6/7.5	
	204	238	10	40	O.D.	6/7.5	
	254	288	10	40	±2.00mm	4.5/6	
	305	338	10	40		4.5	

● Colour - black

Temp. - upto 93° C vacuum: 700 mm of Mercury

✧ Available in Rough Bore as well as Smooth Bore which should be please specified while ordering. Also manufactured for higher working pressure requirements upto 25 bar

✧ Built-in flanges & nipples provided, if required on extra charges .



Petroleum Dock (Oil Suction & Discharge) w.p. 10 to 18 bar I.D. (mm) range 75 to 305

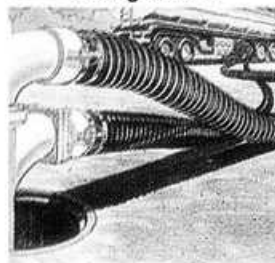
Hose Type & Construction	Nominal Bore I.D.(mm)	O.D. (mm)		Working Pressure(bar)		Bursting Pressure		Tolerance in size	Roll Lengths Availability (in meters)	Min. Bend Radius(mm)		App. Wt. Kg/mtr		Application
		T-1B	T-2B	T-1B	T-2B	T-1B	T-2B			T-1B	T-2B	T-1B	T-2B	
<b>PETROLEUM TRANSFER</b> (ROAD & RAIL TANKER) (natural woven rubberised plies in smooth bore with spiral wire with helix having corrugated or smooth outer cover resistant to oil, weather & abrasion comprising copper wire between reinforcement plies to provide electrical continuity) conforming to IS : 10733 & BS 3492	32	45	50	3.5	7	14	28	I.D.	3.75/7.5/15.25	130	190	1.35	1.95	Petroleum products handling viz., diesel, petrol, kerosene, industrial fuels, etc. in road / rail tankers storage tanks.
	38	50	56	3.5	7	14	28	-0.75mm	3.75/7.5/15.25	155	230	1.65	2.40	
	50	62	70	3.5	7	14	28	+1.50mm	3.75/7.5/15.25	205	305	2.25	3.00	
	63	78	85	3.5	7	14	28	O.D.	3.75/7.5/15.25	255	380	3.00	4.13	
	75	89	100	3.5	7	14	28	±2.0mm	3.75/7.5/15.25	305	460	3.75	5.25	
	102	116	125	3.5	7	14	28		3.75/7.5/15.25	410	560	4.80	8.25	

● Colour - black with red stripes

Temp. - upto 93° C

✧ Also available in Rough Bore (Type 1A & 1B)

✧ Built-in flanges & nipples provided, if required on extra charges.



Petroleum Transfer (Road & Rail Tanker) w.p. 3.5 to / bar I.D. (mm) range 32 to 102

## FLANGES CHART BS. (BS. 10:1962)

Nominal pipe bore (inch)	TABLE D (steam pressure upto 50 psi)					TABLE E (steam pressure 50 to 100 psi)					TABLE F (steam pressure 100 to 150 psi)				
	A	B	C	Bolts dia.	Bolts no.	A	B	C	Bolts dia.	Bolts no.	A	B	C	Bolts dia.	Bolts no.
1/2	3/16	3/16	25/8	1/2	4	1/4	3/16	25/8	1/2	4	3/8	3/16	25/8	1/2	4
3/4	3/16	4	27/8	1/2	4	1/4	4	27/8	1/2	4	3/8	4	27/8	1/2	4
1	3/16	4 1/2	3 1/4	1/2	4	9/32	4 1/2	3 1/4	1/2	4	3/8	4 3/4	3 1/4	5/8	4
1 1/4	1/4	4 3/4	3 7/16	1/2	4	5/16	4 3/4	3 7/16	1/2	4	1/2	5 1/4	3 7/8	5/8	4
1 1/2	1/4	5 1/4	3 7/8	1/2	4	11/32	5 1/4	3 7/8	1/2	4	1/2	5 1/2	4 1/8	5/8	4
2	5/16	6	4 1/2	5/8	4	3/8	6	4 1/2	5/8	4	5/8	6 1/2	5	5/8	4
2 1/2	5/16	6 1/2	5	5/8	4	13/32	6 1/2	5	5/8	4	5/8	7 1/4	5 3/4	5/8	8
3	3/8	7 1/4	5 3/4	5/8	4	7/16	7 1/4	5 3/4	5/8	4	5/8	8	6 1/2	5/8	8
4	3/8	8 1/2	7	5/8	4	1/2	8 1/2	7	5/8	8	3/4	9	7 1/2	5/8	8
5	1/2	10	8 1/4	5/8	8	9/16	10	8 1/4	5/8	8	7/8	11	9 1/2	3/4	8
6	1/2	11	9 1/4	5/8	8	11/16	11	9 1/4	5/8	8	7/8	12	10 1/4	3/4	12

## ASA (ANSI B 16.5)

Nominal pipe bore (inch)	150 lb					300 lb					600 lb				
	A	B	C	D	Bolts dia. / no.	A	B	C	D	Bolts dia. / no.	A	B	C	D	Bolts dia. / no.
1/2	3/8	3/16	2 3/8	1 3/8	1/2 4	1/2	3/16	2 5/8	1 3/8	1/2 4	9/16	3/16	2 5/8	1 3/8	1/2 4
3/4	7/16	3/16	2 3/4	1 11/16	1/2 4	9/16	4 5/8	3 1/4	1 11/16	5/8 4	5/8	4 5/8	3 1/4	1 11/16	5/8 4
1	1/2	4 1/4	3 1/8	2	1/2 4	5/8	4 7/8	3 1/2	2	5/8 4	1 1/16	4 7/8	3 1/2	2	5/8 4
1 1/4	9/16	4 5/8	3 1/2	2 1/2	1/2 4	1 1/16	5 1/4	3 7/8	2 1/2	5/8 4	13/16	5 1/4	3 7/8	2 1/2	5/8 4
1 1/2	5/8	5	3 7/8	2 1/4	1/2 4	3/4	6 1/8	4 1/2	2 3/8	3/4 4	7/8	6 1/8	4 1/2	2 3/8	3/4 4
2	1 1/16	6	4 1/4	3 5/8	5/8 4	13/16	6 1/2	5	3 5/8	5/8 8	1	6 1/2	5	3 5/8	5/8 8
2 1/2	13/16	7	5 1/2	4 1/8	5/8 4	15/16	7 1/2	5 7/8	4 5/8	3/4 8	1 1/8	7 1/2	5 7/8	4 5/8	3/4 8
3	7/8	7 1/2	6	5	5/8 4	1 1/16	8 1/4	6 5/8	5	3/4 8	1 1/4	8 1/4	6 5/8	5	3/4 8
4	7/8	9	7 1/2	6 3/16	5/8 8	1 3/16	10	7 7/8	6 5/16	3/4 8	1 1/2	10 3/4	8 1/2	6 5/16	7/8 8
5	7/8	10	8 1/2	7 5/16	3/4 8	1 3/16	11	9 1/4	7 5/16	3/4 8	1 3/4	13	10 1/2	7 5/16	1 8



A Hose Clip



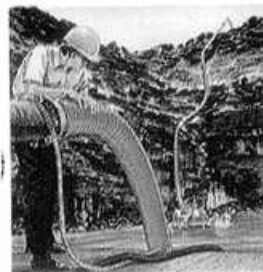
Built in Flanges

Hose Type & Construction	Nominal Bore I.D. in mm	O.D. (mm)	Working Pressure (bar)	Bursting Pressure (bar)	Tolerance in size	Roll Lengths Availability (in meters)	Length of softends(mm)	Application
<b>WATER SUCTION AND DISCHARGE</b>								
(two helical GS wire embedded between reinforcement plies-first is visible and second is embedded bet. layers of plies in case of rough bore with corrugated or plain cloth marked finish weather & abrasion resistant cover with soft plain ends on each side for clamping) conforming to IS :3549	38	56	7	20	<u>I.D.</u>	15.25	80	Excavation of mines, deflodging operations, sewerage, mud, project construction & other rugged services. Type A (Rough Bore) is suitable for non-corrosive liquids carrying no solids in suspension while Type B (Smooth Bore) is used in other cases.
	50	70	7	20	±1.0mm	15.25	80	
	60	80	7	20		15.25	80	
	63	85	7	20		15.25	80	
	75	100	7	20		15.25	80	
	90	114	6	20		7.5/12	105	
	100	125	5	20		7.5	105	
	125	152	5	20		7.5	145	
	150	180	5	20	<u>O.D.</u>	6/7.5	145	
	200	234	5	20	±1.5mm	6/7.5	145	
Temp. - upto 70° C of hot water vacuum: 635 mm of Mercury	250	285	5	20		4.5/6	145	
	300	355	5	20		4.5	145	

● Colour - black with yellow stripes

\* Built-in flanges & nipples provided, if required on extra charges.

Water Suction and Discharge w.p. 5 to 20 bar  
I.D. (mm) range 38 to 300



### WATER SUCTION (LIGHT DUTY)

(single helical GS wire embedded between reinforcement plies, in case of smooth bore & internal in case of rough bore, corrugated cloth marked outer cover with soft plain ends on each side for clamping, conforming to IS :2482)	25	35	2	8		15.25	80	Irrigation, dams, agriculture, dewatering of pits & mines.	
	38	50	2	8	<u>I.D.</u>	15.25	80		
	50	62	1.5	8	-0.75mm	15.25	80		
	60	72	1.5	8	+1.5mm	15.25	80		
	63	78	1.5	8		15.25	80		
	75	89	1.0	8	<u>O.D.</u>	15.25	115		
	90	106	1.0	8	±1.5mm	7.5/12	115		
	100	116	1.0	8		7.5	115		
	Temp. - upto 65° C of hot water vacuum: 500 mm of Mercury	125	140	1.0	8		6/7.5		145
		150	171	1.0	8		6/7.5		145

\* Built in flanges & nipples provided, if required on extra charges.

● Colour - black with yellow stripes



Water Suction (Light Duty)  
I.D. (mm) range 25 to 150

w.p. 1 to 8 bar

### MATERIAL HANDLING (CEMENT & CONCRETE)

(reinforced with nylon cords & with high tensile steel wire for light weight & high flexibility with soft gum tube having sea weather resistant outer cover)	45	60	10	42	<u>I.D.</u>	9/15.25	140	Sand, gravel, slurry, cement, ashes, salt, pulverised slag and other materials used in place of steel or cast iron pipe where high flexibility is necessary.	
	50	69	10	42	±1.50mm	9/15.25	150		
	63	81	10	42		9/15.25	180		
	75	100	10	42		6/7.5	200		
	100	119	10	42		6/7.5	280		
	Temp. - upto 70°C	125	132	10	42	<u>O.D.</u>	6/7.5		400
	● Colour -black	150	180	10	42	±2.0mm	6/7.5		600
		200	238	10	42		6/7.5		1300
		250	288	10	42		4.5/6		1600
		300	338	10	42		4.5/6		1800

Min. Bend Radius (mm)



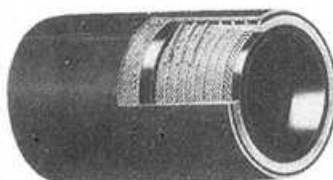
Material Handling (Cement & Concrete)  
I.D. (mm) range 45 to 3003

w.p. 10 bar

### FLANGES CHART

BS. (BS. 10:1962)

Nominal pipe bore (inch)	TABLE D (steam pressure upto 50 psi)				TABLE E (steam pressure 50 to 100 psi)				TABLE F (steam pressure 100 to 150 psi)			
	A	B	C	Bolts dia. / Bolts no.	A	B	C	Bolts dia. / Bolts no.	A	B	C	Bolts dia. / Bolts no.
1/2	3/16	3/16	2 1/8	1/2 4	1/4	3/16	2 1/8	1/2 4	3/8	3/16	2 1/8	1/2 4
3/4	3/16	4	2 1/8	1/2 4	1/4	4	2 1/8	1/2 4	3/8	4	2 1/8	1/2 4
1	3/16	4 1/2	3 1/4	1/2 4	9/32	4 1/2	3 1/4	1/2 4	3/8	4 1/2	3 1/4	5/8 4
1 1/4	1/4	4 3/4	3 3/8	1/2 4	5/16	4 3/4	3 3/8	1/2 4	1/2	5 1/4	3 3/8	5/8 4
1 1/2	1/4	5 1/4	3 7/8	1/2 4	11/32	5 1/4	3 7/8	1/2 4	1/2	5 1/2	4 1/8	5/8 4
2	5/16	6	4 1/2	5/8 4	3/8	6	4 1/2	5/8 4	5/8	6 1/2	5	5/8 4
2 1/2	5/16	6 1/2	5	5/8 4	13/32	6 1/2	5	5/8 4	5/8	7 1/4	5 1/4	5/8 8
3	3/8	7 1/4	5 1/4	5/8 4	7/16	7 1/4	5 1/4	5/8 4	5/8	8	6 1/2	5/8 8
4	3/8	8 1/2	7	5/8 4	1/2	8 1/2	7	5/8 8	3/4	9	7 1/2	5/8 8
5	1/2	10	8 1/4	5/8 8	9/16	10	8 1/4	5/8 8	7/8	11	9 1/2	3/4 8
6	1/2	11	9 1/4	5/8 8	11/16	11	9 1/4	5/8 8	7/8	12	10 1/4	3/4 12



Built in Flanges