

## HEAVY DUTY WATER SUCTION AND DISCHARGE HOSE

### SPECIFICATION FOR WATER SUCTION & DISCHARGE HOSE

IS: 3549 - 1991

**SCOPE**

Kanta system of Water Suction & Discharge hose is for use in heavy-duty application and to prevent collapse of the walls under vacuum. The recommended temperature ranging from + 20 to + 90 degree Centigrade, at different pressure rating as detailed.

**MATERIAL AND****HOSE CONSTRUCTION**

SMOOTH BORE	ROUGH BORE		
Rubber Lining	Wire Helix	Reinforcement	Synthetic textile woven fabric plies with G.I. wire helices embedded in layers of plies.
Reinforcement	Reinforcement		
Wire Helix	Rubber Lining		
Filler compound	Reinforcement	Outer cover	A rubber cover made out of synthetic rubber compound resistant to weather and ageing coated over the plies of reinforcement, compressed by woven textile fabric. The cover will be either smooth or corrugated finish as per choice of the buyer for his use. External wire armouring can be done for external protection.
Reinforcement	Wire Helix		
Wire Helix	Filler compound		
Filler compound	Reinforcement		
Reinforcement	Outer Cover		
Outer Cover	Wire armoured		

**DIMENSION &****PRESSURE RATING:**Type 1 – 07 Kg/cm<sup>2</sup>Type 2 – 10 Kg/cm<sup>2</sup>Type 3 – 15 Kg/cm<sup>2</sup>

\*\*\*\*\*

\*\*

HOSE CAN BE SUPPLIED  
WITH END COUPLINGS  
MATCHING TO YOUR  
REQUIREMENTS.

\*\*\*\*\*

DIMENSION &  PRESSURE RATING:	NOMINAL BORE (I.D.)		TOLERANCE ON I. D.		MINIMUM THICKNESS OF			MAXM. LONG
				LINING	FILLER	COVER		
	INCH	M.M	in mm	mm	mm	mm	meter	
Type 1 – 07 Kg/cm2	1.00	025	(+/-) 1.25	2.0	1.0	1.5	15.0	
Type 2 – 10 Kg/cm2	1.25	032	(+/-) 1.25	2.0	1.0	1.5	15.0	
Type 3 – 15 Kg/cm2	1.50	038	(+/-) 1.50	2.0	1.0	1.5	15.0	
	2.00	050	(+/-) 1.50	2.5	1.0	1.5	15.0	
	2.25	056	(+/-) 1.50	2.5	1.0	1.5	15.0	
*****	2.50	063	(+/-) 1.50	2.5	1.0	1.5	15.0	
**	3.00	075	(+/-) 2.00	2.5	1.0	1.5	15.0	
HOSE CAN BE SUPPLIED WITH END COUPLINGS MATCHING TO YOUR REQUIREMENTS.	4.00	100	(+/-) 2.00	3.0	2.0	1.5	15.0	
	5.00	125	(+/-) 2.00	3.0	2.0	2.0	15.0	
	6.00	150	(+/-) 2.00	3.0	2.0	2.0	08.0	
	8.00	200	(+/-) 3.00	3.0	2.5	2.0	08.0	
*****	10.00	250	(+/-) 3.00	3.0	2.5	2.0	06.0	
	TENSILE STRENGTH (MINM)			ELONGATION (MINM)				
PHYSICAL PARAMETERS	Before Ageing		After Ageing		Before Ageing		After Ageing	
Inner tube/ Lining	7.00 Mpa		+/-	25%	250%		+/- - 10% to 15%	
Outer cover	7.00 Mpa		+/-	25%	300%		+/- - 10% to 15%	
VACUUM RESISTANCE				83 kPa (625 mm of Mercury)				

**PRESSURE RATINGS: -**

Recommended operating pressure	7, 10 & 15 KSC, depends on type of the hose
Hydro test pressure	1.5 times of the operating pressure
Minimum Bursting Pressure	3.0 times of the operating pressure

Hose is guaranteed for the period of 12months from the date of manufacturing or 9months from the date of commissioning whichever is earlier, against manufacturing defects for operational requirement only. Warrantee also limits to replacement only, for the defective quantity after our evaluation. Due to our continuous research the given

data can be modified without any prior notice for development.

A PRODUCT FROM KANTAFLEX (INDIA) PVT LIMITED

KANTAFLEX (INDIA) PVT LTD