


DRILL MASTER ROCK DRILL RUBBER HOSE

SPECIFICATION FOR ROCK DRILLING HOSE	IS: 446 – 1987 Type 3	BS: 5118 – 80 Type 2	ISO – 2398 Type D				
SCOPE	KANTA SYSTEM of Drill Master Rock drilling hose is intended for carrying compressed air at the pressure of 1.4 Mpa (14.28Kg/sq.cm) 200 psi for hard out door applications like drilling the Rock mines, & Quarries and at the temperature shall not exceed 80 degree C.						
MATERIAL 	Inner tube	Extruded inner tube is made out of Buna N or NBR rubber compound					
	Reinforcement	Synthetic fibre braided yarns					
	Outer cover	A rubber cover made out of Isoprene-natural, coated over the reinforcement, Compressed by woven textile fabric					
	NOMINAL BORE (I.D.)		TOLERANCE ON I.D.		THICKNESS (MINM)		MAXIMUM LENGTH
					LININ G	COVER	
	Inch	M.M	M.M		M.M	M.M	METER
	1/4	06.30	+/-	0.75	1.50	1.00	200.00
	5/16	08.00	+/-	0.75	1.50	1.00	200.00
	3/8	10.00	+/-	0.75	1.50	1.00	200.00
	1/2	12.50	+/-	0.75	1.50	1.00	200.00
	5/8	16.00	+/-	0.75	1.50	1.00	150.00
	3/4	20.00	+/-	1.00	1.50	1.00	150.00
1	25.00	+/-	1.25	2.00	1.00	100.00	
1.1/4	31.50	+/-	1.25	2.00	1.00	075.00	
1.1/2	38.00	+/-	1.50	2.00	1.00	075.00	
2	50.00	+/-	1.50	2.50	1.00	040.00	
PHYSICAL PARAMETERS	TENSILE STRENGTH (MINM)			ELONGATION (MINM)			
	Before Ageing		After Ageing		Before Ageing		After Ageing
Inner tube/ Lining	7.00 Mpa		+/-	25%	250%		+ - 10% to 30%
Outer cover	10.00 Mpa		+/-	25%	300%		+ - 10% to 30%
ADHESION STRENGTH BETWEEN: -							
Inner lining & reinforcement yarn					Not Less than 2.0kN/m		
Reinforcement plies					Not Less than 2.0kN/m		
Reinforcement & outer cover					Not Less than 2.0kN/m		
PRESSURE RATINGS: -							
Recommended operating pressure					1.40 Mpa		
Hydro test pressure					2.80 Mpa		
Change in diameter & Length at proof pressure					+/- 7% respectively		
Minimum Bursting Pressure					5.60 Mpa		
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.							

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