



uPVC COLUMN PIPES

FOR SUBMERSIBLE PUMP

BENEFITS

- ◆ LONG LIFE
- ◆ NON CORROSIVE
- ◆ LIGHT WEIGHT
- ◆ EASY TO INSTALL
- ◆ CONTINUOUS FLOW
- ◆ LESS ELECTRICITY COST
- ◆ RESISTANCE TO CHEMICAL
- ◆ PREVENT BACTERIAL GROWTH
- ◆ NON CONDUCTOR TO HEAT-ELECTRICITY
- ◆ NON TOXIC

BEST
ALTERNATIVE TO
GALVANIZED, M.S. & HDPE PIPES



Square Threads:

For getting better strength compare to conventional 'V' Thread pipe, RATCO Column pipes have been made with specially designed square thread. Square thread give super strength compare to other type of thread and also can not open even on constant torque of reverse and forward at the time of starting or stopping of pump in borewell.

Rubber Rings:

Seal Ring : To avoid leakage of water from joint specially designed Seal Ring has been used.

Lip Ring : For locking the pipe with coupler, we have developed specially designed rubber lip ring to use in the system. It absorbs the vibration of pump caused due to the bearing and shaft. So lip ring work for both locking and vibration absorber.

Pump Guard & Adaptors:

Specially manufactured Top-Bottom adaptors having Square-'V' threads which hold the column pipes firmly from one side & fit with fitting from other side.

Specially designed pump guard use to protect the pump. Reducers can be used in place of bottom adaptors to reduce pump line to PVC Column pipes. For lowering Column Pipes, Elevators or lowering fixtures are being used.

TECHNICAL INFORMATIONS

SAFE PULLING LOAD AND RECOMMENDED HYDROSTATIC PRESSURE OF RATCO COLUMN PIPES

Pipe Size	1"	1¼"	1½"	2"	2¼"	2½"	3"	4"	5"	6"	
	25mm	32mm	40mm	50mm	60mm	65mm	80mm	100mm	125mm	150mm	
STANDARD BORE SERIES	Pressure	31kg/cm ²	26kg/cm ²	27kg/cm ²	21kg/cm ²	--	17kg/cm ²	17kg/cm ²	15kg/cm ²	16kg/cm ²	16kg/cm ²
	Installation Depth (Fl.)	1020	850	890	690	--	560	560	490	520	520
	Safe Load (Kg.)	1350	1650	1725	2160	--	2750	4050	5740	9100	9600
HEAVY BORE SERIES	Pressure	39kg/cm ²	35kg/cm ²	35kg/cm ²	28kg/cm ²	27kg/cm ²	27kg/cm ²	26kg/cm ²	26kg/cm ²	27kg/cm ²	26kg/cm ²
	Installation Depth (Fl.)	1280	1150	1150	920	890	890	850	850	890	850
	Safe Load (Kg.)	1525	2050	2100	2900	2900	4300	5850	9600	11650	12100
SUPER HEAVY BORE SERIES	Pressure	--	--	--	35kg/cm ²	--	35kg/cm ²	35kg/cm ²	35kg/cm ²	--	--
	Installation Depth (Fl.)	--	--	--	1150	--	1150	1150	1150	--	--
	Safe Load (Kg.)	--	--	--	3540	--	5300	7500	12400	--	--

* Terms & Conditions : (1) Company will not give any warranty. (2) Installation Depth Depends on recommended hydrostatic pressure of column pipes. (3) This chart is for reference only.