mandals
SINCE 1775

TUBE IN

FEATURES

- Mandals Tube In is a strong circular woven hose extruded with a flexible polyethylene material (PE), developed for renovation of leaking drinking water mains.
- Semi-structural, stand-alone rehabilitation hose which will ensure continual water supply even if the host pipe should break.
- Prior to installation all that is needed is a regular cleaning procedure of the host pipe by Polly Pig or other cleaning method.

DESIGN

- The weave is made from high tenacity filament polyester yarn and is covered inside and outside by the "extrusion through the weave" production method, giving an outstanding adhesion level to the PE-material as well as being firmly encapsulated.
- The hose is packed in a "U-shape", which in combination with high flexibility allows easy installation into the host pipe by pulling, even through sharp bends.
- Standard length is 200 meters. Longer lengths can be made on request.

ADVANTAGES

- The easy installation and short down period of the water supply make the Mandals Tube In a unique renovation system for drinking water mains.
- Time SND cost efficient solution.
- Very strong bonding between cover and lining as well as firmly encapsulating the woven polyester.
- By recoupling and just setting the installed hose under normal water pressure, it opens up and expands towards the inner host pipe wall. Special end couplings are available on request.

TECHNICAL DATA

NOMINAL PIPE INNER DIAMETER		HOSE INTERNAL DIAMETER	WALL THICKNESS		WEIGHT		BURST PRESSURE		MAX WORKING PRESSURE		TENSILE STRENGTH	
Inch	**mm**	**mm**	**Inch**	**mm**	**Lbs**	**Kg / m**	**Psi**	**Bar**	**Lbs**	**Kg**	**x1000 Lbs**	**Tons**
3	80	69,5 + 2,0	0,12	3,0	0,50	0,75	700	48	261	24	14,0	6,3
3,5?	90	89,0 + 2,5	0,13	3,2	0,74	1,11	550	38	275	19	18,0	8,1
4,5?	114	113,0 + 3,0	0,13	3,3	0,99	1,48	465	32	232	16	21,3	9,6
5,5?	140	136,0 + 3,0	0,13	3,3	1,10	1,65	465	32	232	16	26,4	11,9
8	200	189,0 + 3,0	0,15	3,8	1,83	2,75	465	32	232	16	65,8	29,6
10	250	228,0 + 4,0	0,16	4,0	2,60	3,90	465	32	232	16	81,8	36,8
v	300	271,0 + 5,0	0,17	4,3	3,17	4,75	465	30	232	16	99,5	44,8

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