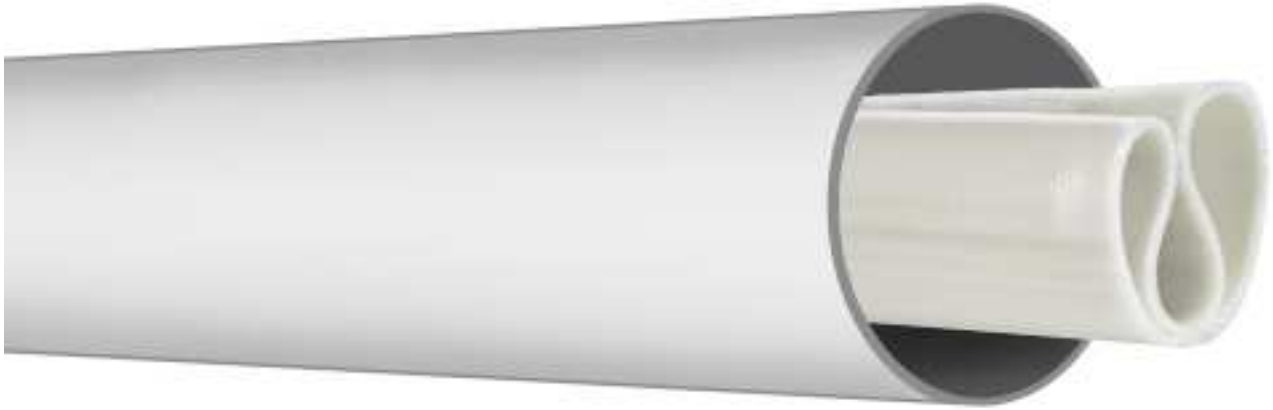


mandals Pipe rehabilitation

SINCE 1775



Mandals Tube In is dragged through the pipe in a “U-shape” and then pressurized to adapt to the pipe.

Mandals Tube In is a strong circular woven hose extruded with a flexible polyethylene material (PE) which is developed for renovation of leaking drinking water mains. 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 allow easy installation into the host pipe by pulling, even through sharp bends. No steaming is needed to inflate the hose afterwards. 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.

Prior to installation all that is needed is a regular cleaning procedure of the host pipe by Polly Pig or other cleaning method.

Mandals Tube In is a semi-structural, stand-alone hose which will ensure continual water supply even if the host pipe should break.

The easy installation and short down period of the water supply make the Tube In a unique renovation system for drinking water mains.

Standard length is 200 meters. Longer lengths can be made on request.

Mandals Tube In

Nominal Pipe Internal Diameter		Hose Internal Diameter	Wall Thickness		Weight		Burst Pressure		Max. Working Pressure		Tensile Strength*	
inch	mm	mm	inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	lbs	kg
4	100	90,0 +2,5	0,13	3,2	0,75	1,11	551	38	232	19	17 850	8 100
5	125	113,0 +3,0	0,13	3,3	1,00	1,48	464	32	232	16	21 170	9 600
6	150	136,0 +3,0	0,13	3,3	1,10	1,65	464	32	232	16	26 240	11 900
8	200	189,0 +3,0	0,15	3,8	1,85	2,75	464	32	232	16	65 270	29 600
10	250	228,0 +4,0	0,16	4,0	2,60	3,90	464	32	232	16	81 140	36 800
12	300	271,0 +5,0	0,17	4,3	3,20	4,75	464	32	232	16	98 780	44 800

* Total theoretical longitudinal strength.