



Mandals Dragman is a lightweight, very abrasion resistant hose for umbilical slurry drag systems.

Mandals Dragman has been designed for the latest environmentally friendly umbilical drag systems. Such systems are used for distribution of slurry and manure as fertilizer in the fields of agriculture.

These systems require hoses to be connected between slurry reservoirs (lagoons) and tow tractors in the field to be fertilized. The tow tractor pulls the draghose while the hose feeds the injection tool bar that deposits the manure in the plowed furrows. Transfer hoses (Mandals Flexitex / Mandals Superman HVT) are used in the distance between the lagoon and the edge of the field, but the last one or two lengths connecting the transfer hose with the tow tractor are dragged in the field and put under continuous severe stress.

Mandals Dragman has been designed with this extreme tensile stress and abrasion in mind. The TPU cover has abrasion resistance 4 - 5 times that of commonly used rubber. The tensile strength has been substantially increased to withstand the pull forces.

Mandals Dragman represents the latest in environmentally friendly and safe manure distribution.

Standard lengths up to 200 meters. Longer lengths on request for diameter smaller than 6 inches.

**Please note!**

Never tow one part of the hose across another.

## Mandals Dragman

Inner Diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength*	
inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	lbs	kg
3 1/2	90,0 +2,0	0,14	3,5	0,74	1,10	580	40	26 400	12 000
4	102,0 +2,5	0,14	3,5	0,89	1,33	550	38	28 800	13 100
4 1/2	114,0 +2,5	0,14	3,5	1,00	1,50	510	35	35 000	15 900
5	127,0 +2,5	0,14	3,5	1,11	1,65	460	32	38 900	17 700
6	152,0 +3,0	0,14	3,5	1,34	2,00	460	32	54 600	24 800

Maximum recommended Working Pressure: 50 % of the listed values - for temporary use. To obtain maximum lifetime of the hose, it is recommended that the Working Pressure or the Working Tensile Stress do not exceed 1/3 of the listed values.

\* Total theoretical longitudinal strength.