Dragman

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

Mandals Dragman is designed for the latest environmentally friendly umbilical drag systems. These 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 behind it while the hose feeds the injection tool bar that deposits the manure in the plowed furrows. The distance between the lagoon and the edge of the field is made up of transfer hoses (Mandals Flexitex / Mandals Superman HVT), but the last one or two lengths before the tow tractor are dragged in the field and put under continuous severe tress.

Mandals Dragman was 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 substansially 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 diameters lower than 6 inches.

NOTE: Never tow one part of the hose across another!

Technical Data

Inner Diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength *	
inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	lbs	kg
3	76,0 +2,0	0,13	3,3	0,61	0,90	580	40	17 400	7 900
3 1/2	90,0 +2,0	0,13	3,3	0,74	1,10	580	40	26 400	12 000
4	102,0 +2,5	0,14	3,5	0,87	1,30	580	40	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	1,14	1,70	460	32	38 900	17 700
5 1/2	140,0 +3,0	0,15	3,7	1,29	1,93	405	28	45 400	20 700
6	152,0 +3,0	0,15	3,7	1,40	2,08	405	28	54 600	24 800
8	203,0 +3,0	0,16	4,0	2,17	3,25	405	28	101 500	46 100

Maximum recommended Working Pressure: 50% of the listed values. To obtain maximum lifetime of the hose, it is recommended that the Working Pressure or Working Tensile Stress does not exceed 1/3 of the listed values.
** Total theorethical longitudinal strength.*