



The Mandals Ultraman is designed as a lightweight transfer hose, meant for all-around use in mining, energy, and agriculture. Easy handling and a long service life make it very cost-effective.

The Ultraman is thinner, lighter and more flexible than Superman HVT equivalent dimensions.

Primary Uses & Applications

- Dewatering in industry and open pit mines.
- Bypass line for sewage.
- Bypass line for slurry.
- Civil defense
- Firefighting
- Feeder and supply hose within agriculture

Features

- Resistant to a wide range of chemicals.
- Full diameter recovery after pressure release.
- Excellent hydrolysis and fungus resistance.
- Superior UV, Ozone, and weathering resistance.
- Field proven hose with a long track record.

Construction

- A high tensile polyester reinforcement jacket enveloped by a high-grade thermoplastic polyurethane (TPU) lining and cover material.
- The TPU is extruded through a circular woven reinforcement, creating a strong bond between cover and lining that prevents delamination, as well as firmly encapsulating the reinforcing polyester.

Properties

- Length up to 200m. Longer lengths upon request for some sizes.
- Color options: Black (standard).
- Different coupling options available.
- Operating temperature from -50°C to +75°C (-58°F to +167°F) for pure water.

Ultraman

Article Number	Inner Diameter ¹		Wall Thickness		Weight		Maximum Working Pressure ²		Burst Pressure		Nom. Tensile Strength ³	
	Inch	mm	Inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
ULS065	2 1/2	65	0.11	2.8	0.44	0.66	400	28	810	56	14.3	6.5
ULS076	3	76	0.11	2.9	0.56	0.84	360	25	725	50	17.4	7.9
ULS090	3 1/2	90	0.12	3.0	0.66	0.98	310	21.5	620	43	20.0	9.1
ULS102	4	102	0.13	3.2	0.81	1.20	305	21	610	42	22.2	10.1
ULS114	4 1/2	114	0.13	3.2	0.93	1.39	265	18.5	535	37	23.8	10.8
ULS127	5	127	0.13	3.3	1.02	1.52	250	17.5	505	35	26.4	12.0
ULS152	6	152	0.13	3.3	1.16	1.73	218	15	435	30	32.8	14.9
ULS178	7	178	0.13	3.4	1.38	2.05	195	13.5	390	27	37.6	17.1
ULS203	8	203	0.13	3.3	1.65	2.45	181	12.5	363	25	43.2	19.6
ULH203	8	203	0.16	3.9	1.82	2.7	305	21	610	42	81.5	37.0
ULH254	10	254	0.16	4.0	2.35	3.5	260	18	520	36	101.0	46.0
ULH305	12	305	0.17	4.2	2.83	4.2	215	15	435	30	120.0	54.5

Note: ¹Tolerance range based on ISO1307 Type C. ²Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support. ³Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.