

XD10-SERIES

TRUNNION DREDGE HOSE



Abrasor® XD10 Series Trunnion Dredge Hoses are designed to withstand the rigorous demands of dredging operations. Replacing traditional thinner spring steel wire helixes, these steel hoops effectively prevent kinking, especially under the challenging conditions of dredge pivoting ladder assemblies, ensuring uninterrupted flow.

Incorporating our proprietary Abrasatech® tube liner, these hoses provide industry leading performance in abrasion loss. Ideal for use in dredging operations, our hose is designed to handle demanding slurry transfer tasks, ensuring reliability and durability. Our extensive range of stocked liners allows our dredge hose to be made suitable for dredging slurries containing, chemicals, acids and hydrocarbons.



TECHNICAL SPECIFICATIONS

Hose size	DN25 - 1200
Length	Up to 20m
Pressure rating	-100kPa - +8000kPa
End connections	Plain Swivel flange(beaded) Fixed flange Flanged spigot (swivel or fixed) Victaulic spigot (shouldered, roll grooved, cut grooved) Threaded Raised Cuffed Custom
Flange patterns	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
Safety factor	4:1
Temperature rating	-30 to +80 (ABRASATECH)
Optional extras	Anti-static wire Wear monitor ID tagging

MATERIAL SPECIFICATIONS

Inner Liner	ABRASATECH (for high wear slurry) QUARRYTECH (for fine sands slurry) ROCKTECH (for large rock slurry) NITRILE (for high temp abrasive slurry or slurry containing hydrocarbons) BUTATECH (for high acidic slurry) HYPATECH (for high acidic or high temp media)
Reinforcement	Spiralled synthetic fabric Thick steel hoops
Outer cover	ABRASATECH (for abrasion and UV resistance) NEOTECH FRAS (for FRAS or oily environments) FLOWTECH (for extreme UV or seawater)
Connection material	Hot dipped gal (as standard) Stainless steel (SS316, SS304) Carbon steel Painted Custom



XD10-SERIES TRUNNION DREDGE HOSE

ABRASOR®

TECHNICAL PROPERTIES

HOSE SIZE		STANDARD LINER THICKNESS	MAX LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	WEIGHT	MINIMUM BEND RADIUS
DN	mm	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	Kg/mt	X Dia
50	50.8	6	6	100	700	100	8000	1160	4:1	3	Contact us
80	76.2	6	9	100	700	100	8000	1160	4:1	5	Contact us
100	101.6	6	12	100	700	100	8000	1160	4:1	6	Contact us
125	127	6	12	100	700	100	8000	1160	4:1	8	Contact us
150	152.4	6	12	100	700	100	8000	1160	4:1	10	Contact us
200	203.2	6	12	100	700	100	8000	1160	4:1	15	Contact us
250	254	9	15	100	700	100	8000	1160	4:1	25	Contact us
300	304.8	9	19	100	700	100	6000	870	4:1	33	Contact us
350	355.6	9	19	100	700	100	6000	870	4:1	45	Contact us
400	406.4	12	19	100	700	100	5000	725	4:1	54	Contact us
450	457.2	12	19	100	700	100	4000	580	4:1	60	Contact us
500	508	12	19	100	700	100	4000	580	4:1	71	Contact us
550	558.8	12	19	100	700	100	4000	580	4:1	73	Contact us
600	610	12	19	100	700	100	4000	580	4:1	82	Contact us
650	660.4	15	19	100	700	100	2500	363	4:1	97	Contact us
700	711.2	15	19	100	700	100	2500	363	4:1	113	Contact us
750	762	15	19	100	700	100	2500	363	4:1	129	Contact us
800	812.8	15	25	100	700	100	2500	363	4:1	138	Contact us
900	914.4	15	25	100	700	100	2500	363	4:1	183	Contact us
1000	1016	19	30	100	700	100	2500	363	4:1	208	Contact us
1100	1117.2	19	30	100	700	100	2500	363	4:1	240	Contact us
1200	1219.2	19	32	100	700	100	2500	363	4:1	260	Contact us

Key notes

- Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure, bend radius and weight
- Max liner thickness and working pressure will not be compatible with all end configurations, please get in contact with us to find out more
- Weight and bend radius values are approximate and may vary