

XD40-SERIES SELF FLOATING CERAMIC HOSE

ABRASOR®

Abrasor® XD40 Series Self Floating Ceramic Hoses are designed to replace traditional hose floats and pontoons in dredging operations. Abrasor® Ceramic Hose merges the superior cut, scratch, and tear resistance of ceramic with the impact absorption and flexibility of rubber delivering the ultimate hose solution for handling the most aggressive slurry applications.

Our floating hose is constructed with closed cell foam and double carcass technology, preventing damage and water ingress into the hoses foam layer. Rated for both suction and discharge duty, Abrasor® self floating ceramic hose is Ideal for use in the most severe wearing dredging operations.



TECHNICAL SPECIFICATIONS

Hose size	DN25 - 1200
Length	Up to 20m
Pressure rating	-100kPa - +8000kPa
End connections	Swivel flange(beaded) Flanged spigot (swivel or fixed) 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

Ceramic Liner	92% Alumina (standard) 95% Alumina 99% Alumina Zirconia toughened alumina
Inner Liner	ABRASATECH (for high wear slurry) QUARRYTECH (for fine sands slurry) ROCKTECH (for large rock slurry)
Reinforcement	Spiralled synthetic fabric Wire helix
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

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TECHNICAL PROPERTIES

HOSE SIZE		STANDARD CERAMIC LINER THICKNESS	MAX CERAMIC LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	MINIMUM BEND RADIUS
DN	mm	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	Xdia
50	50.8	4.5	4.5	100	1000	145	8000	1160	4:1	Contact us
80	76.2	4.5	4.5	100	1000	145	8000	1160	4:1	Contact us
100	101.6	4.5	6	100	1000	145	8000	1160	4:1	Contact us
125	127	4.5	6	100	1000	145	8000	1160	4:1	Contact us
150	152.4	4.5	6	100	1000	145	8000	1160	4:1	Contact us
200	203.2	4.5	12	100	1000	145	8000	1160	4:1	Contact us
250	254	4.5	12	100	1000	145	8000	1160	4:1	Contact us
300	304.8	4.5	12	100	1000	145	6000	870	4:1	Contact us
350	355.6	4.5	12	100	1000	145	6000	870	4:1	Contact us
400	406.4	4.5	12	100	1000	145	5000	725	4:1	Contact us
450	457.2	4.5	12	100	1000	145	4000	580	4:1	Contact us
500	508	4.5	12	100	1000	145	4000	580	4:1	Contact us
550	558.8	4.5	12	100	1000	145	4000	580	4:1	Contact us
600	610	4.5	12	100	1000	145	4000	580	4:1	Contact us
650	660.4	4.5	12	100	1000	145	2500	363	4:1	Contact us
700	711.2	4.5	12	100	1000	145	2500	363	4:1	Contact us
750	762	4.5	12	100	1000	145	2500	363	4:1	Contact us
800	812.8	4.5	12	100	1000	145	2500	363	4:1	Contact us
900	914.4	4.5	12	100	1000	145	2500	363	4:1	Contact us
1000	1016	4.5	12	100	700	102	2500	363	4:1	Contact us
1100	1117.2	4.5	12	100	700	102	2500	363	4:1	Contact us
1200	1219.2	4.5	12	100	700	102	2500	363	4:1	Contact us

Key notes

1. Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure, bend radius and weight
2. As standard ceramic tiles will have complete coverage throughout entire hose lining
3. Max liner thickness and working pressure will not be compatible with all end configurations, please get in contact with us to find out more
4. For more info on buoyancy rating please get in contact with us