

ABRASOR[®]

XD50 Series Hard Wall Dredge Hose



Longer life.
Less Downtime.

World Leading Dredge Hose Performance

Dredging places unique demands on hose, combining highly abrasive slurry, continuous movement and harsh operating conditions. Abrasor Dredge Hoses are purpose built for these environments, delivering exceptional wear resistance, flexibility and durability.

Manufactured in Australia using premium abrasion resistant rubber compounds, our heavy duty rubber wear liners consistently outlast conventional HDPE pipe in abrasive slurry service, extending pipeline life and reducing maintenance requirements.

Every Abrasor hose is manufactured under our ISO 9001 certified quality management system and inspected and tested to strict documented standards. With premium materials, controlled manufacturing and application-specific construction, Abrasor delivers dependable performance where it matters most.

Longer wear life. Fewer changeouts. Less downtime. Lower total cost of ownership.



Superior Materials

Our exclusive Abrasatech compound is one of the lowest abrasion loss rubber compounds used in dredge hose applications worldwide. We only select the most premium quality materials for our manufacturing process.



ISO9001 Quality System

ISO9001 approved quality management system ensures less variation, meaning fewer failures and longer, reliable service life.



Manufacturing Capacity

We have one of the largest hose manufacturing capacities in the country, an extensive mandrel inventory, and full in-house production control ensuring repeatable quality across every hose we produce.

XD50-SERIES HARD WALL DREDGE HOSE

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Abrasor XD50 Series Hard Wall Dredge Hoses are designed for superior performance in dredging applications where both flexibility and longevity is required. Built with rubber locking collars that prevent movement and bunching of hose floats in floating dredge lines, Abrasor hoses reliably transport highly abrasive slurries that would rapidly wear traditional piping systems such as HDPE.

Incorporating our proprietary Abrasatech tube liner, these hoses provide industry-leading performance in abrasion loss. Abrasor dredge hose is Ideal for use in floating discharge dredging operations. Manufactured in Australia, Abrasor dredge hoses are the product of choice for contractors and mine sites across the world.



TECHNICAL SPECIFICATIONS

Hose size	DN25 – DN1200
Length	Up to 20mt
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 Steel 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 LINER THICKNESS	MAX LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	MINIMUM BEND RADIUS
DN	mm	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	X Dia
50	50.8	6	6	100	1000	145	8000	1160	4:1	5
80	76.2	6	9	100	1000	145	8000	1160	4:1	5
100	101.6	6	12	100	1000	145	8000	1160	4:1	5
125	127	6	12	100	1000	145	8000	1160	4:1	5
150	152.4	6	12	100	1000	145	8000	1160	4:1	5
200	203.2	6	12	100	1000	145	8000	1160	4:1	5
250	254	9	15	100	1000	145	8000	1160	4:1	6
300	304.8	9	19	100	1000	145	6000	870	4:1	6
350	355.6	9	19	100	1000	145	6000	870	4:1	6
400	406.4	12	19	100	1000	145	5000	725	4:1	6
450	457.2	12	19	100	1000	145	4000	580	4:1	8
500	508	12	19	100	1000	145	4000	580	4:1	8
550	558.8	12	19	100	1000	145	4000	580	4:1	8
600	610	12	19	100	1000	145	4000	580	4:1	8
650	660.4	15	19	100	1000	145	2500	363	4:1	10
700	711.2	15	19	100	1000	145	2500	363	4:1	10
750	762	15	19	100	1000	145	2500	363	4:1	10
800	812.8	15	25	100	1000	145	2500	363	4:1	10
850	863.6	15	25	100	1000	145	2500	363	4:1	10
900	914.4	15	25	100	1000	145	2500	363	4:1	10
950	965.2	15	25	100	1000	145	2500	363	4:1	10
1000	1016	18	30	100	700	102	2500	363	4:1	10
1050	1066.8	18	30	100	700	102	2500	363	4:1	10
1100	1117.2	18	30	100	700	102	2500	363	4:1	10
1150	1168.4	18	32	100	700	102	2500	363	4:1	10
1200	1219.2	18	32	100	700	102	2500	363	4:1	10

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. Minimum bend radius figures are only applicable to hoses with standard liner thickness and working pressure. Please consult us if you require minimum bend radius figures for non-standard items. If you require a more flexible hose, please check out our Turboflex range
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

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