

ABRASOR[®]

X40 Series Reducing Mining Hose



Wear Life
Redefined.

The New Benchmark of Mining Hose Performance

Manufactured in Australia using the highest quality, abrasion resistant rubber compounds, Abrasor hoses are designed to deliver consistently longer service life than conventional alternatives.

We don't take shortcuts when manufacturing Abrasor. Each hose is deliberately over-engineered to withstand the harshest mining conditions and continuous high-wear service. Operating under an ISO 9001 certified quality management system, every Abrasor hose is manufactured, inspected, and tested to strict, documented standards—ensuring consistent build quality, predictable performance, and maximum service life in the field.

This combination of proven materials, controlled processes, and manufacturing scale provides confidence that Abrasor delivers genuine, measurable wear life reducing changeouts, downtime, and total cost of ownership.



Superior Materials

Our exclusive Abrasatech compound is one of the lowest abrasion loss rubber compounds used in mining 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.

X40-SERIES REDUCING MINING HOSE

ABRASOR®

Abrasor X40 Series Reducing Mining Hoses are designed for seamless transitions between pipelines of varying diameters. Available in both concentric and eccentric reducing styles. Commonly used in high stress areas of mining plants, Abrasor hoses absorb movement, vibration, and misalignment while reliably transporting highly abrasive slurries that would rapidly wear rigid pipe systems.

Built around our exclusive Abrasatech wear liner, Abrasor delivers industry leading abrasion loss performance, significantly extending service life in severe duty applications. Abrasor reducing hoses are commonly found in slurry pump applications. Manufactured in Australia, Abrasor is the product of choice for mine sites across the world.



TECHNICAL SPECIFICATIONS

Hose size	DN25 – DN1200
Reducing Styles	Concentric, Eccentric, One end enlarged
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 slurry containing hydrocarbons) FLOWTECH (for high temp or acidic slurry) BUTATECH (for high acidic media) HYPATECH (for high acidic or high temp media) FOODTECH (for potable water transfer)
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 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. Standard liner thickness is the recommended thickness for abrasive slurry only. For non-abrasive applications such as water we would recommend a 3mm liner
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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