

X40-SERIES

REDUCING MINING HOSE



Abrasor® X40 Series Reducing Mining Hoses are designed for seamless transitions between pipelines of varying diameters. Available in both concentric and eccentric designs, whilst also suitable for both suction and discharge duty. Incorporating our proprietary Abrasatech® tube liner, these hoses provide industry-leading performance in abrasion loss.

Designed for the rigorous demands of the mining industry, our hoses are ideal for transporting abrasive slurries in various applications, providing durability and longevity. Due to our extensive range of liners, our reducing mining hose can also be made suitable for medias or slurry containing water, chemicals, acids, hydrocarbons, food grade products and high temp solutions.



TECHNICAL SPECIFICATIONS

Hose size	DN25 - 1200
Reducing Styles	Concentric, Eccentric, One end enlarged
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) FLOWTECH (for high temp water 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



TECHNICAL PROPERTIES

HOSE SIZE		STANDARD LINER THICKNESS	MAX LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR
DN	mm	mm	mm	%	kPa	PSI	kPa	PSI	Ratio
50	50.8	6	6	100	1000	145	8000	1160	4:1
80	76.2	6	9	100	1000	145	8000	1160	4:1
100	101.6	6	12	100	1000	145	8000	1160	4:1
125	127	6	12	100	1000	145	8000	1160	4:1
150	152.4	6	12	100	1000	145	8000	1160	4:1
200	203.2	6	12	100	1000	145	8000	1160	4:1
250	254	9	15	100	1000	145	8000	1160	4:1
300	304.8	9	19	100	1000	145	6000	870	4:1
350	355.6	9	19	100	1000	145	6000	870	4:1
400	406.4	12	19	100	1000	145	5000	725	4:1
450	457.2	12	19	100	1000	145	4000	580	4:1
500	508	12	19	100	1000	145	4000	580	4:1
550	558.8	12	19	100	1000	145	4000	580	4:1
600	610	12	19	100	1000	145	4000	580	4:1
650	660.4	15	19	100	1000	145	2500	363	4:1
700	711.2	15	19	100	1000	145	2500	363	4:1
750	762	15	19	100	1000	145	2500	363	4:1
800	812.8	15	25	100	1000	145	2500	363	4:1
900	914.4	15	25	100	1000	145	2500	363	4:1
1000	1016	19	30	100	700	102	2500	363	4:1
1100	1117.2	19	30	100	700	102	2500	363	4:1
1200	1219.2	19	32	100	700	102	2500	363	4:1

Key notes

- Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure, bend radius and weight
- Standard liner thickness is the recommended thickness for abrasive slurry only. For non-abrasive applications such as water we would recommend a 3mm liner
- Max liner thickness and working pressure will not be compatible with all end configurations, please get in contact with us to find out more