

X30-SERIES

PREFORMED BEND MINING HOSE

ABRASOR®

Abrasor® X30 Series Preformed Bend Mining Hoses are designed to achieve tighter radius bends than standard straight-length hoses, accommodating space constraints without compromising flow efficiency. Specifically designed to withstand the most challenging slurry materials, Abrasor® is the product of choice for mine sites across the world. 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 and allow for movement and misalignment. Due to our extensive range of liners, our Preformed Bend Mining Hose can also be made suitable for medias or slurry containing water, chemicals, acids, petroleum, food grade products and high temp solutions.



TECHNICAL SPECIFICATIONS

Hose size	DN25 - 1200
Tangent Length	Up to 3m one end
Bend radius	1.5D, 3D, 5D, Custom
Bend Angle	30°, 45°, 60°, 90°, Custom
Pressure rating	-100kPa - +5000kPa
End connections	Plain Swivel flange(beaded) Fixed flange Flanged spigot (swivel or fixed) 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	STANDARD CENTRLINE RADIUS		
DN	mm	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	1.5D (mm)	3D (mm)	5D (mm)
50	50.8	6	6	100	1000	145	5000	725	4:1	75	150	250
80	76.2	6	9	100	1000	145	5000	725	4:1	120	240	400
100	101.6	6	12	100	1000	145	5000	725	4:1	150	300	500
125	127	6	12	100	1000	145	5000	725	4:1	187.5	375	625
150	152.4	6	12	100	1000	145	5000	725	4:1	225	450	750
200	203.2	6	12	100	1000	145	5000	725	4:1	300	600	1000
250	254	9	15	100	1000	145	5000	725	4:1	375	750	1250
300	304.8	9	19	100	1000	145	4000	580	4:1	450	900	1500
350	355.6	9	19	100	1000	145	4000	580	4:1	525	1050	1750
400	406.4	12	19	100	1000	145	3000	435	4:1	600	1200	2000
450	457.2	12	19	100	1000	145	2500	363	4:1	675	1350	2250
500	508	12	19	100	1000	145	2500	363	4:1	750	1500	2500
550	558.8	12	19	100	1000	145	2500	363	4:1	825	1650	2750
600	610	12	19	100	1000	145	2500	363	4:1	900	1800	3000
650	660.4	15	19	100	1000	145	2000	290	4:1	975	1950	3250
700	711.2	15	19	100	1000	145	2000	290	4:1	1050	2100	3500
750	762	15	19	100	1000	145	2000	290	4:1	1125	2250	3750
800	812.8	15	25	100	1000	145	2000	290	4:1	1200	2400	4000
900	914.4	15	25	100	1000	145	2500	290	4:1	1350	2700	4500
1000	1016	19	30	100	700	102	2000	290	4:1	1500	3000	5000
1100	1117.2	19	30	100	700	102	2000	290	4:1	1650	3300	5500
1200	1219.2	19	32	100	700	102	2000	290	4:1	1800	3600	6000

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