

X20-SERIES

SOFT WALL MINING HOSE

ABRASOR®

Abrasor® X20 Series Soft Wall Mining Hoses are designed for superior performance in discharge piping applications where the hoses must be folded, kinked or rolled without any permanent damage. Engineered 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 in various applications, such as mineral processing plants, tailings pipelines and dredging. Abrasor® is manufactured in Australia, making it ideal for the harshest applications in mine sites across the world.



TECHNICAL SPECIFICATIONS

Hose size	DN25 - 1200
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 general high wear slurry) QUARRYTECH (for fine sands slurry) ROCKTECH (for large rock slurry)
Reinforcement	Spiralled synthetic fabric
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	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	WEIGHT
DN	mm	mm	mm	kPa	PSI	kPa	PSI	Ratio	Kg/mt
50	50.8	6	6	1000	145	8000	1160	4:1	2
80	76.2	6	9	1000	145	8000	1160	4:1	3
100	101.6	6	12	1000	145	8000	1160	4:1	4
125	127	6	12	1000	145	8000	1160	4:1	5
150	152.4	6	12	1000	145	8000	1160	4:1	6
200	203.2	6	12	1000	145	8000	1160	4:1	10
250	254	9	15	1000	145	8000	1160	4:1	16
300	304.8	9	19	1000	145	6000	870	4:1	19
350	355.6	9	19	1000	145	6000	870	4:1	31
400	406.4	12	19	1000	145	5000	725	4:1	35
450	457.2	12	19	1000	145	4000	580	4:1	39
500	508	12	19	1000	145	4000	580	4:1	43
550	558.8	12	19	1000	145	4000	580	4:1	54
600	610	12	19	1000	145	4000	580	4:1	58
650	660.4	15	19	1000	145	2500	363	4:1	71
700	711.2	15	19	1000	145	2500	363	4:1	84
750	762	15	19	1000	145	2500	363	4:1	90
800	812.8	15	25	1000	145	2500	363	4:1	95
900	914.4	15	25	1000	145	2500	363	4:1	117
1000	1016	19	30	700	102	2500	363	4:1	118
1100	1117.2	19	30	700	102	2500	363	4:1	130
1200	1219.2	19	32	700	102	2500	363	4:1	141

Key notes

- Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure and weight
- Soft wall hoses are not designed to be bent without folding and collapsing. If you require a hose that will bend while holding its shape, please check out our Abrasor X10-Series Hard Wall Mining Hose
- Max liner thickness and working pressure will not be compatible with all end configurations, please get in contact with us to find out more
- Weight values are approximate and may vary