

XC30-SERIES

REDUCING CERAMIC HOSE



Abrasor® XC30 Series Reducing Ceramic Hoses are designed for seamless transitions between two pipelines of varying diameters, available in both concentric and eccentric designs. Abrasor® ceramic hose merges the superior cut, scratch, and tear resistance of ceramic with the impact absorption and flexibility of rubber delivering the ultimate hose solution for handling the most aggressive slurry applications.

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
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 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

Ceramic Liner	92% Alumina (standard) 95% Alumina 99% Alumina Zirconia toughened alumina
Inner Liner	ABRASATECH (for high wear slurry) QUARRYTECH (for fine sands slurry) ROCKTECH (for large rock slurry)
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 CERAMIC LINER THICKNESS	MAX CERAMIC LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR
DN	mm	mm	mm	%	kPa	PSI	kPa	PSI	Ratio
50	50.8	4.5	4.5	100	1000	145	8000	1160	4:1
80	76.2	4.5	4.5	100	1000	145	8000	1160	4:1
100	101.6	4.5	6	100	1000	145	8000	1160	4:1
125	127	4.5	6	100	1000	145	8000	1160	4:1
150	152.4	4.5	6	100	1000	145	8000	1160	4:1
200	203.2	4.5	12	100	1000	145	8000	1160	4:1
250	254	4.5	12	100	1000	145	8000	1160	4:1
300	304.8	4.5	12	100	1000	145	6000	870	4:1
350	355.6	4.5	12	100	1000	145	6000	870	4:1
400	406.4	4.5	12	100	1000	145	5000	725	4:1
450	457.2	4.5	12	100	1000	145	4000	580	4:1
500	508	4.5	12	100	1000	145	4000	580	4:1
550	558.8	4.5	12	100	1000	145	4000	580	4:1
600	610	4.5	12	100	1000	145	4000	580	4:1
650	660.4	4.5	12	100	1000	145	2500	363	4:1
700	711.2	4.5	12	100	1000	145	2500	363	4:1
750	762	4.5	12	100	1000	145	2500	363	4:1
800	812.8	4.5	12	100	1000	145	2500	363	4:1
900	914.4	4.5	12	100	1000	145	2500	363	4:1
1000	1016	4.5	12	100	700	102	2500	363	4:1
1100	1117.2	4.5	12	100	700	102	2500	363	4:1
1200	1219.2	4.5	12	100	700	102	2500	363	4:1

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. As standard ceramic tiles will have complete coverage throughout entire hose lining
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