

XT40-SERIES

RC DRILLING MINING HOSE



Turboflex® XT40 Series RC Drilling Mining Hoses feature our proprietary Turboflex® design that maximizes flexibility to prevent permanent kinking while maintaining superior abrasion resistance. A beefed-up flange connection increases tear strength and ensures secure end retention. Incorporating our proprietary Abrasatech tube liner, these hoses provide industry leading performance in abrasion loss

Designed for the rigorous demands of the reverse circulation drilling industry, Turboflex® hoses excel in complex piping configurations that demand both flexibility and durability. Manufactured in Australia, for the harshest condition, out performing many imported variants on the market.



TECHNICAL SPECIFICATIONS

Hose size	DN25 – 600
Length	Up to 20m
Pressure rating	-100kPa - +8000kPa
End connections	Plain Swivel flange (beaded)
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 Wire helix Increased end reinforcement
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	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	WEIGHT	MINIMUM BEND RADIUS	
DN	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	Kg/mt	mm	X Dia
50	50.8	6	100	1000	145	8000	1160	4:1	3	200	4
80	76.2	6	100	1000	145	8000	1160	4:1	5	320	4
100	101.6	6	100	1000	145	8000	1160	4:1	6	400	4
125	127	6	100	1000	145	8000	1160	4:1	8	500	4
150	152.4	6	100	1000	145	8000	1160	4:1	10	600	4
200	203.2	6	100	1000	145	8000	1160	4:1	15	800	4
250	254	9	100	1000	145	8000	1160	4:1	25	1250	4
300	304.8	9	100	1000	145	6000	870	4:1	33	1500	5
350	355.6	9	100	1000	145	6000	870	4:1	45	1750	5
400	406.4	12	100	1000	145	5000	725	4:1	54	2000	5
450	457.2	12	100	1000	145	4000	580	4:1	60	2250	5
500	508	12	100	1000	145	4000	580	4:1	71	2500	5
550	558.8	12	100	1000	145	4000	580	4:1	73	2750	5
600	610	12	100	1000	145	4000	580	4:1	82	3000	5

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. Minimum bend radius figures are only applicable to hoses with standard liner thickness and working pressure
3. Max working pressure will not be compatible with all end configurations, please get in contact with us to find out more
4. Weight and bend radius values are approximate and may vary