

ABRASOR[®]

X50 Series Muff Coupling Hose



Wear Life
Redefined.

The New Benchmark of Mining Hose Performance

Manufactured in Australia using the highest quality, abrasion resistant rubber compounds, Abrasor hoses are designed to deliver consistently longer service life than conventional alternatives.

We don't take shortcuts when manufacturing Abrasor. Each hose is deliberately over-engineered to withstand the harshest mining conditions and continuous high-wear service. Operating under an ISO 9001 certified quality management system, every Abrasor hose is manufactured, inspected, and tested to strict, documented standards—ensuring consistent build quality, predictable performance, and maximum service life in the field.

This combination of proven materials, controlled processes, and manufacturing scale provides confidence that Abrasor delivers genuine, measurable wear life reducing changeouts, downtime, and total cost of ownership.



Superior Materials

Our exclusive Abrasatech compound is one of the lowest abrasion loss rubber compounds used in mining hose applications worldwide. We only select the most premium quality materials for our manufacturing process.



ISO9001 Quality System

ISO9001 approved quality management system ensures less variation, meaning fewer failures and longer, reliable service life.



Manufacturing Capacity

We have one of the largest hose manufacturing capacities in the country, an extensive mandrel inventory, and full in-house production control ensuring repeatable quality across every hose we produce.

X50-SERIES MUFF COUPLING HOSE

ABRASOR®

Abrasor X50 Series Muff Coupling Hoses are universally designed for compatibility with split muff couplings. Featuring one or both ends plain cut, these hoses can be easily trimmed to length on-site, providing a perfect fit for your specific requirements. Made in Australia using our exclusive Abrasatech tube liner, Abrasor delivers industry leading abrasion loss performance, significantly extending service life in severe duty applications.

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 muff coupling 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 – DN400
Length	Up to 20mt
Pressure rating	-100kPa - +8000kPa
End connections 1	Muff coupling Plain Swivel flange(beaded) Fixed flange Cuffed Custom
End connection 2	Muff coupling Plain
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 slurry containing hydrocarbons) FLOWTECH (for high temp or acidic slurry) BUTATECH (for high acidic 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

Learn More at pacflotech.com.au

TECHNICAL PROPERTIES

HOSE SIZE		HOSE OUTSIDE DIAMETER	LINER THICKNESS	VACUUM RATING	WORKING PRESSURE		SAFETY FACTOR	WEIGHT	MINIMUM BEND RADIUS
DN	mm	mm	mm	%	kPa	PSI	Ratio	Kg/mt	X Dia
50	50.8	69 - 71	6	100	700	100	4:1	3	8
80	76.2	100 - 104	6	100	700	100	4:1	5	8
100	101.6	125 - 129	6	100	700	100	4:1	6	8
125	127	152 - 157	6	100	700	100	4:1	8	8
150	152.4	181 - 185	6	100	700	100	4:1	10	8
200	203.2	233 - 238	6	100	700	100	4:1	15	8
250	254	258 - 289	9	100	700	100	4:1	25	8
300	304.8	342 - 347	9	100	700	100	4:1	33	8
350	355.6	400 - 405	12	100	700	100	4:1	45	8
400	406.4	455 - 460	12	100	700	100	4:1	54	8

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. Please consult us if you require minimum bend radius figures for non-standard items. If you require a more flexible hose, please check out our Turboflex range
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