

# 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. 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, 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

<b>Hose size</b>	DN50 – 400
<b>Length</b>	Up to 20m
<b>Pressure rating</b>	-100kPa - +700kPa
<b>End connections 1</b>	Muff coupling Plain Swivel flange(beaded) Fixed flange Cuffed Custom
<b>End connection 2</b>	Muff coupling Plain
<b>Flange patterns</b>	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
<b>Safety factor</b>	4:1
<b>Temperature rating</b>	-30 to +70 (ABRASATECH)
<b>Optional extras</b>	Anti-static wire Wear monitor ID tagging

### MATERIAL SPECIFICATIONS

<b>Inner Liner</b>	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)
<b>Reinforcement</b>	Spiralled synthetic fabric Wire helix
<b>Outer cover</b>	ABRASATECH (for abrasion and UV resistance) NEOTECH FRAS (for FRAS or oily environments) FLOWTECH (for extreme UV or seawater)
<b>Connection material</b>	Hot dipped gal (as standard) Stainless steel (SS316, SS304) Carbon steel Painted Custom

### TECHNICAL PROPERTIES

HOSE SIZE		STANDARD HOSE OUTSIDE DIAMETER	STANDARD LINER THICKNESS	VACUUM RATING	STANDARD 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	10
80	76.2	100 - 104	6	100	700	100	4:1	5	10
100	101.6	125 - 129	6	100	700	100	4:1	6	10
125	127	152 - 157	6	100	700	100	4:1	8	10
150	152.4	181 - 185	6	100	700	100	4:1	10	10
200	203.2	233 - 238	6	100	700	100	4:1	15	10
250	254	258 - 289	9	100	700	100	4:1	25	10
300	304.8	342 - 347	9	100	700	100	4:1	33	10
350	355.6	400 - 405	12	100	700	100	4:1	45	10
400	406.4	455 - 460	12	100	700	100	4:1	54	10

### 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. Weight and bend radius values are approximate and may vary