

## PRODUCT OVERVIEW

Our pre-formed bends are designed to achieve tighter bend radius` than standard straight-length hoses, providing enhanced flexibility and performance in demanding applications.



## KEY FEATURES

- **Tighter Bend Radius:** Engineered to allow for sharper bends, accommodating space constraints without compromising flow efficiency.
- **Flexible Rubber Design:** Constructed with the same high-quality materials as our straight-length hoses, these bends allow for misalignment and help reduce vibration during operation.
- **Customizable Options:** Available in a variety of bend angles and radius`, our bends can be tailored to meet your specific needs. Straight tangents can also be added to one end, providing versatility in installation.
- **Enhanced Wear Resistance:** For applications requiring extra durability, our bends can be manufactured with alumina ceramic tiles on the outside radius, providing superior wear resistance.

## APPLICATIONS

Ideal for various industrial and mining applications, our pre-formed bends are perfect for transporting abrasive materials and accommodating complex piping layouts while ensuring reliable performance and longevity.

## CAPABILITIES

Size	DN 12-1200mm
Duty	Suction & Discharge, <i>Discharge only*</i> (No wire reinforcement)
Bend Angle	12 °, 22.5°, 30°, 45°, 60°, 90° <i>Custom Available*</i>
Bend Radius	1.5D, 3D, 5D <i>Custom Available*</i>
Max working pressure	-100 – 5000kpa, <i>Dependant on hose I.D*</i>
Reinforcement	Spiral synthetic fabric
Tube	<b>ABRASATECH™</b> All compounds available on request*
Cover	<b>ABRASATECH™</b>
Ends	Beaded, Flanged, Plain cut, Raised, Cuffed. <i>Custom available upon request</i>
Flange patterns	Flanges to all standards, <i>Custom flange patterns available upon request.</i>
Connection material	Hot dipped gal (as standard), Stainless steel (SS316, SS304),
Temp	-30/+70C
Safety Factor	4:1

## TECHNICAL PROPERTIES

Hose Size			Standard Liner Thickness	Standard Liner Thickness	Vacuum Rating	Standard Working Pressure		Safety Factor	Standard Centreline Radius		
									1.5D	3D	5D
DN	in	mm	mm	mm	%	kPa	PSI	Ratio	mm	mm	mm
50	2	50.8	4.5	6	100	700	102	4:1	75	150	250
80	3	76.2	4.5	6	100	700	102	4:1	120	240	400
100	4	101.6	6	9	100	700	102	4:1	150	300	500
125	5	127	6	9	100	700	102	4:1	187.5	375	625
150	6	152.4	6	9	100	700	102	4:1	225	450	750
200	8	203.2	6	9	100	700	102	4:1	300	600	1000
250	10	254	6	12	100	700	102	4:1	375	750	1250
300	12	304.8	6	12	100	700	102	4:1	450	900	1500
350	14	355.6	9	15	100	700	102	4:1	525	1050	1750
400	16	406.4	12	15	100	700	102	4:1	600	1200	2000
450	18	457.2	12	18	100	700	102	4:1	675	1350	2250
500	20	508	12	18	100	700	102	4:1	750	1500	2500
550	22	558.8	12	21	100	700	102	4:1	825	1650	2750
600	24	610	12	21	100	350	51	4:1	900	1800	3000