Cut End Hose & Muff Couplings

used for slurry handling in the mineral processing industry, coal refinement plants, power plants in the steel and cement industriesand other applications where high wear resistance combined with flexibility and vibration reduction is required.

Features:

- Versatile design allows cutting to length on site
- Coupling design supports multiple flange drill patterns
- Reusable couplings for a reusable flange connection

Benefits:

- Smooth / Corrugated hose cover for suction and delivery
- Adaptable open end hose design for installation flexibility
- support multiple drill patterns

Technical Specifications

Hose Size	DN50– 600 (2–24")
Hose Lengths	Up to 12m
Pressure Rating	-100 to 5000kPa Higher on request
End Connections	Cut end Inbuilt flange
Flange Drill Patterns	ASME B16.5 150# DIN 2501 PN 10/16 Custom
Safety Factor	0.167361111
Extra options	Gaskets available
Couplings Segments	two or four

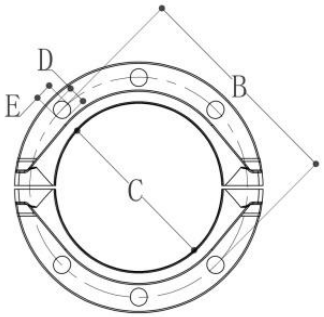
Material Specifications

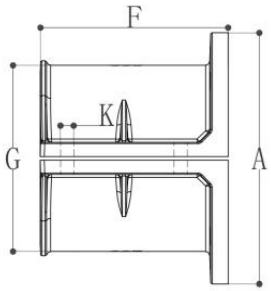
Inner Liner	Abrasion resistant elastomer Neoprene, SBR, or buty high alumina ceramic
Reinforcement	Cord and spiral wire
Outer Cover	UV, ozone and abrasion-resistant rubber
Muff Couplings	High strength aluminium alloys Cast iron or high-grade alloy

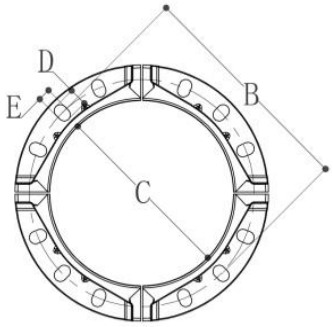
Standard Properties - Slurry Hoses

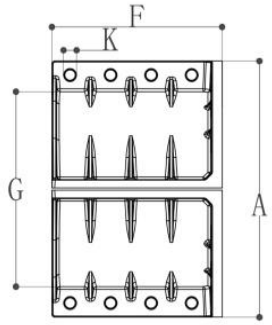
Hose Size			Liner Thickness		Vacuum Rating	Working Pressure		Min Bend Radius		safety factor
			Std	Max		Std	Max			
DN	in	mm	mm	mm	%	kPa	kPa	m	x Dia	ratio
100	4	102	6	12	100	1000	5000	0.8	8	4:1
150	6	152	6	12	100	1000	5000	1.2	8	4:1
200	8	203	6	12	100	1000	5000	1.6	8	4:1
250	10	250	9	15	100	1000	5000	2	8	4:1
300	12	300	9	19	100	1000	5000	2.4	8	4:1
350	14	350	9	19	100	1000	5000	2.8	8	4:1
400	16	400	12	19	100	1000	5000	3.2	8	4:1
450	18	450	12	19	100	1000	5000	4.5	10	4:1
500	20	500	12	19	100	1000	5000	5	10	4:1
550	22	550	12	19	100	1000	5000	5.5	10	4:1
600	24	600	12	19	100	1000	5000	6	10	4:1

Drawing and Standard Properties of Split Flange Muff Couplings are shown on the following page.









Standard Properties - Split Flange Muff Couplin

Coupling Size			Segments	Drilling Pattern					Holes/Joint	Neck Dimensions			Holes/Joint	Matches Flange	
				OD	PCD	ID	Holes Size			Overall Length	OD	Hole Dia		DIN 2501 PN 10	ANSI B16.5 150 lbs
DN	in	mm		A	B	C	D	E		F	G	K			
100	4	102	2	220	185	123	25	19	3	133	143	16	2	100	4”
150	6	150	2	285	240	173	23.5	23	3	197	195	20	2	150	6”
200	8	200	2	340	297	228	24	23	3	257	252	20	2	200	8”
250	10	250	2	405	357.4	274	30	26	5	250	297	20	2	250	10”
300	12	300	2	476	417.2	330	40	25.4	5	310	355	20	3	300	12”
350*	14	350	4	510	460	382	32	27	3	350	407	20	3	350	-
350*	14	350	4	530	476.3	382	35	30	2	350	407	20	3	-	14”
400	16	400	4	596	528	432	42	29	3	400	457	24	4	400	16”
450*	18	450	4	625	565	482	36	29	4	450	507	24	4	450	-
450*	18	450	4	634	575	482	36	33	3	450	507	24	4	-	18”
500	20	500	4	695	630	536	37	32	4	500	561	24	4	500	20”
600	24	600	4	815	739.6	640	44.6	36	4	600	670	27	4	600	24”

*350/450 sizes (marked *) have separate dimensions—they don’t fit both DIN 2501 PN 10 and ANSI B16.5 150 lbs flanges.Choose per your flange standard.