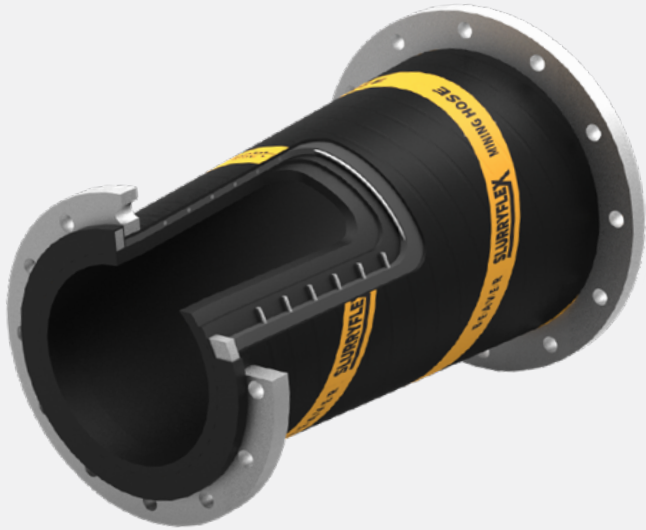


SD-Series

Specialty Concentric/Eccentric Reducer Mining Hose



Slurryflex SD-Series concentric/eccentric reducer mining hose suitable for suction and discharge duty. Designed and manufactured in Australia, this premium product is suitable for the most arduous applications.

Typically used as reducer where flexibility is required to allow for movement and misalignment, and for ease of installation (e.g. pump suction spool). Standard applications include slurry or water transfer in mineral processing plants, tailings pipelines, dredging, and dewatering.

Suitable for both small particle (erosive) and large particle (cutting/gouging) slurry conditions. Suitable for specialty applications such as slurry or other fluids containing chemicals, acids, and hydrocarbons. Fully customisable with special engineered designs available on request.

Technical Specifications

Hose size	DN50-1500 (2-60") as standard
Hose length	To suit requirements (see table)
Pressure rating	-100kPa to +5000kPa (-14.5psi to +725psi) Higher on request
Temperature rating	-30°C to +75°C for Slurryflex Grade A rubber
End connections	Plain end Flanged (fixed or swivel) Flanged full spigot (fixed or swivel) Double flanged Grooved (roll or cut) Threaded Butt weld Custom
Flange types	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
Groove types	AWWA C606 OGS, Victaulic AGS, custom
Thread types	BSP, NPT, API, premium, custom
Safety factor	4:1 as standard
Extra options	Custom nozzles, branches, or connections Wear monitoring system (plug-only or push-button)

Material Specifications

Inner liner	Slurryflex Grade A rubber (for high-wear slurry) Slurryflex ASR rubber (for acidic slurry) Slurryflex HSR rubber (for hydrocarbon-containing slurry) Slurryflex TSR rubber (for high-temperature slurry) Slurryflex custom formulation
Reinforcement	Synthetic fabric and wire helix
Outer cover	UV, ozone, and abrasion-resistant rubber
End connections	Carbon steel (painted, galvanised, custom) Stainless steel (SS304, SS316) Exotic alloy

Standard Properties

DN	Hose Size		Standard Liner Thickness			Max Liner Thickness		Vacuum Rating	Standard Working Pressure		Max Working Pressure		Face-to-Face Length		
	in	mm	mm	in	mm	in	%	kPa	PSI	kPa	PSI	Min (mm)	Std (mm)	Max (mm)	
50	2	51	6	¼	6	¼	100	1000	150	5000	725	256	282	No limit	
80	3	76	6	¼	9	¾	100	1000	150	5000	725	279	295	No limit	
100	4	102	6	¼	12	½	100	1000	150	5000	725	291	308	No limit	
125	5	127	6	¼	12	½	100	1000	150	5000	725	317	333	No limit	
150	6	152	6	¼	12	½	100	1000	150	5000	725	333	346	No limit	
200	8	203	6	¼	12	½	100	1000	150	5000	725	351	358	No limit	
250	10	254	9	¾	15	¾	100	1000	150	5000	725	380	404	No limit	
300	12	304	9	¾	19	¾	100	1000	150	5000	725	409	461	No limit	
350	14	355	9	¾	19	¾	100	1000	150	5000	725	542	604	No limit	
400	16	405	12	½	19	¾	100	1000	150	5000	725	579	662	No limit	
450	18	457	12	½	19	¾	100	1000	150	5000	725	620	687	No limit	
500	20	508	12	½	19	¾	100	1000	150	5000	725	768	814	No limit	
550	22	565	12	½	19	¾	100	1000	150	5000	725	771	814	No limit	
600	24	610	12	½	19	¾	100	1000	150	5000	725	778	814	No limit	
650	26	660	15	¾	19	¾	100	700	100	4000	580	916	916	No limit	
700	28	711	15	¾	19	¾	100	700	100	4000	580	924	1016	No limit	
750	30	762	15	¾	19	¾	100	700	100	4000	580	930	1016	No limit	
800	32	813	15	¾	25	1	100	700	100	3000	435	943	1016	No limit	
900	36	914	15	¾	25	1	100	700	100	3000	435	962	1016	No limit	
1000	40	1016	19	¾	30	1 ¼	100	700	100	3000	435	962	1116	No limit	
1100	44	1118	19	¾	30	1 ¼	100	700	100	2500	362	984	1116	No limit	
1200	48	1219	19	¾	32	1 ⅙	100	700	100	2500	362	997	1116	No limit	
1300	52	1321	19	¾	40	1 ⅝	100	700	100	2500	362	1013	1216	No limit	
1400	56	1422	19	¾	40	1 ⅝	100	700	100	2500	362	1029	1216	No limit	
1500	60	1524	19	¾	40	1 ⅝	100	700	100	2500	362	1044	1216	No limit	

Notes

1. Product is fully customisable and available in non-standard specifications on request.
2. Safety factor is the ratio of working pressure to minimum rated burst pressure.
3. Standard liner thickness is the thickness recommended for general slurry applications (min 3mm for non-abrasive applications, e.g water).
4. Maximum liner thickness is the design limit for a hose with fixed flange ASME CL150, standard working pressure, and standard hose inside diameter.
5. Minimum face-to-face length for a hose with a swivel flange (beaded) ASME CL150, standard working pressure.