

DT-Series

Specialty Trunnion Dredge Hose



Slurryflex DT-Series trunnion (ladder) hose suitable for suction and discharge duty. Designed and manufactured in Australia, this premium product is suitable for the most arduous applications.

Trunnion (ladder) hose with integral steel rings for suction cutter dredges. Provides very high flexibility without kinking at the pivot point for the cutter head suction arm. Fully customisable with special engineered designs available on request.

Technical Specifications

Hose size	DN50-1500 (2-60") as standard
Hose length	To suit requirements
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	Flanged (fixed or swivel) 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 annular steel ring construction
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		Min Bend Radius
	in	mm	mm	in	mm	in	%	kPa	PSI	kPa	PSI	
50	2	51	6	¼	6	¼	100	700	100	5000	725	Contact us
80	3	76	6	¼	9	¾	100	700	100	5000	725	Contact us
100	4	102	6	¼	12	½	100	700	100	5000	725	Contact us
125	5	127	6	¼	12	½	100	700	100	5000	725	Contact us
150	6	152	6	¼	12	½	100	700	100	5000	725	Contact us
200	8	203	6	¼	12	½	100	700	100	5000	725	Contact us
250	10	254	9	¾	15	¾	100	700	100	5000	725	Contact us
300	12	304	9	¾	19	¾	100	700	100	5000	725	Contact us
350	14	355	9	¾	19	¾	100	700	100	5000	725	Contact us
400	16	405	12	½	19	¾	100	700	100	5000	725	Contact us
450	18	457	12	½	19	¾	100	700	100	5000	725	Contact us
500	20	508	12	½	19	¾	100	700	100	5000	725	Contact us
550	22	565	12	½	19	¾	100	700	100	5000	725	Contact us
600	24	610	12	½	19	¾	100	700	100	5000	725	Contact us
650	26	660	15	¾	19	¾	100	700	100	4000	580	Contact us
700	28	711	15	¾	19	¾	100	700	100	4000	580	Contact us
750	30	762	15	¾	19	¾	100	700	100	4000	580	Contact us
800	32	813	15	¾	25	1	100	700	100	3000	435	Contact us
900	36	914	15	¾	25	1	100	700	100	3000	435	Contact us
1000	40	1016	19	¾	30	1 ¼	100	700	100	3000	435	Contact us
1100	44	1118	19	¾	30	1 ¼	100	700	100	2500	362	Contact us
1200	48	1219	19	¾	32	1 ⅝	100	700	100	2500	362	Contact us
1300	52	1321	19	¾	40	1 ⅝	100	700	100	2500	362	Contact us
1400	56	1422	19	¾	40	1 ⅝	100	700	100	2500	362	Contact us
1500	60	1524	19	¾	40	1 ⅝	100	700	100	2500	362	Contact us

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.