

Specialty Trunnion Dredge Hose

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.



Features:

- Extreme Flexibility at Pivot Point
- Designed for Suction Cutter Dredges
- Robust Outer Cover

Benefits:

- High flexibility without kinking at the cutter head
- Withstands constant movement and torsion
- Optimized for dredge ladder suction arms

Technical Specifications

Hose size	DN50– 1500 (2–60")
Hose length	as request
Pressure rating	-100kPa to +5000kPa (-14.5psi to +725psi)
Temperature rating	-30°C to +75°C
End connections	Flanged (fixed or swivel) Custom
Flange types	ASME B16.5, ASME B16.47, AS2129,AS4087, DIN ISO 7005, custom
Groove types	AWWA C606 OGS, Victaulic AGS
Thread types	BSP, NPT, API, premium, custom
Safety factor	4:1
Extra options	Custom nozzles, branches, or connections

Material Specifications

	natural rubber
Inner liner	Neoprene, SBR, or buty high alumina ceramic
Reinforcement	Synthetic fabric & annular steel ring
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	
	in	mm	mm	in	mm	in		kPa	psi	kPa	psi
100	4	102	6	1/4	12	1/2	100	1000	150	5000	725
150	6	152	6	1/4	12	1/2	100	1000	150	5000	725
200	8	203	6	1/4	12	1/2	100	1000	150	5000	725
250	10	250	9	3/8	15	5/8	100	1000	150	5000	725
300	12	300	9	3/8	19	3/4	100	1000	150	5000	725
350	14	350	9	3/8	19	3/4	100	1000	150	5000	725
400	16	400	12	1/2	19	3/4	100	1000	150	5000	725
450	18	450	12	1/2	19	3/4	100	1000	150	5000	725
500	20	500	12	1/2	19	3/4	100	1000	150	5000	725
550	22	260	12	1/2	19	3/4	100	1000	150	5000	725
600	24	600	12	1/2	19	3/4	100	1000	150	5000	725
650	26	650	15	5/8	19	3/4	100	700	100	4000	580
700	28	700	15	5/8	19	3/4	100	700	100	4000	580
750	30	750	15	5/8	19	3/4	100	700	100	4000	580
800	32	800	15	5/8	25	1	100	700	100	3000	435
900	36	900	15	5/8	25	1	100	700	100	3000	435
1000	40	1000	19	3/4	30	1 1/4	100	700	100	3000	435
1100	44	1100	19	3/4	30	1 1/4	100	700	100	2500	362
1200	48	1200	19	3/4	32	1 1/3	100	700	100	2500	362
1300	52	1300	19	3/4	40	1 5/8	100	700	100	2500	362
1400	56	1400	19	3/4	40	1 5/8	100	700	100	2500	362
1500	60	1500	19	3/4	40	1 5/8	100	700	100	2500	362

Note

fully customisable product available in non-standard specifications on request.