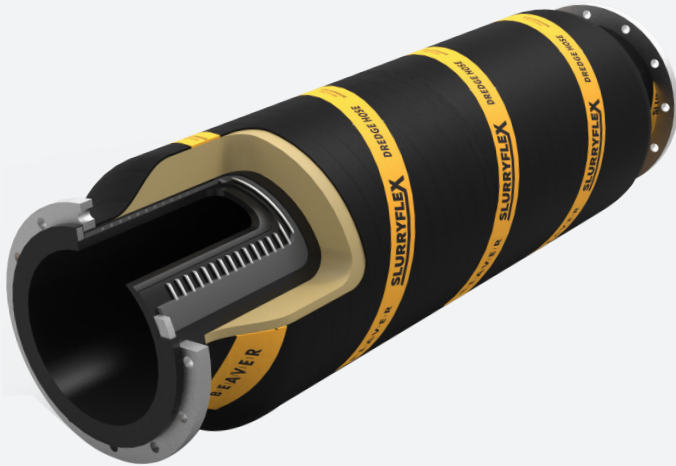


## DH-Series

### Specialty Self-Floating Hard-Wall Dredge Hose



Slurryflex DH-Series self-floating hard-wall dredge hose suitable for suction and discharge duty. Designed and manufactured in Australia, this premium product is suitable for the most arduous applications.

Self-floating hose with integral buoyancy for use on floating hose pipelines such as dredging applications.

Integral buoyancy foam in robust double-carass construction avoids the problems associated with using pipe floats (e.g. no catching on floats or floats moving or bunching which can cause the floating pipeline to sink). Fully customisable with special engineered designs available on request.

#### Technical Specifications

<b>Hose size</b>	DN50-1500 (2-60") as standard
<b>Hose length</b>	Up to 15m (50') as standard
<b>Pressure rating</b>	-100 to +5000kPa (0 to +725psi) Higher on request
<b>Temperature rating</b>	-30°C to +75°C for Slurryflex Grade A rubber
<b>Buoyancy rating</b>	0% (neutral) to 50% (half of hose out of water)
<b>End connections</b>	Full spigot fixed flange Full spigod swivel flange Custom
<b>Flange types</b>	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
<b>Safety factor</b>	4:1 as standard
<b>Extra options</b>	Custom nozzles, branches, or connections Wear monitoring system (plug-only or push-button)

#### Material Specifications

<b>Inner liner</b>	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
<b>Reinforcement</b>	Synthetic fabric
<b>Outer cover</b>	UV, ozone, and abrasion-resistant rubber
<b>End connections</b>	Carbon steel (painted, galvanised, custom) Stainless steel (SS304, SS316) Exotic alloy

## Standard Properties

Hose Size			Standard Liner Thickness		Max Liner Thickness		Standard Working Pressure		Max Working Pressure		Min Bend Radius		
DN	in	mm	mm	in	mm	in	kPa	PSI	kPa	PSI	m	ft	x Dia
50	2	51	6	¼	6	¼	1000	150	5000	725	0.4	1.3	8
80	3	76	6	¼	9	⅜	1000	150	5000	725	0.6	2.1	8
100	4	102	6	¼	12	½	1000	150	5000	725	0.8	2.6	8
125	5	127	6	¼	12	½	1000	150	5000	725	1.0	3.3	8
150	6	152	6	¼	12	½	1000	150	5000	725	1.2	3.9	8
200	8	203	6	¼	12	½	1000	150	5000	725	1.6	5.2	8
250	10	254	9	⅜	15	⅝	1000	150	5000	725	2.0	6.6	8
300	12	304	9	⅜	19	¾	1000	150	5000	725	2.4	7.9	8
350	14	355	9	⅜	19	¾	1000	150	5000	725	2.8	9.2	8
400	16	405	12	½	19	¾	1000	150	5000	725	3.2	10.5	8
450	18	457	12	½	19	¾	1000	150	5000	725	4.5	14.8	10
500	20	508	12	½	19	¾	1000	150	5000	725	5.0	16.4	10
550	22	565	12	½	19	¾	1000	150	5000	725	5.5	18.0	10
600	24	610	12	½	19	¾	1000	150	5000	725	6.0	19.7	10
650	26	660	15	⅝	19	¾	700	100	4000	580	7.8	25.6	12
700	28	711	15	⅝	19	¾	700	100	4000	580	8.4	27.5	12
750	30	762	15	⅝	19	¾	700	100	4000	580	9.0	29.5	12
800	32	813	15	⅝	25	1	700	100	3000	435	9.6	31.5	12
900	36	914	15	⅝	25	1	700	100	3000	435	10.8	35.4	12
1000	40	1016	19	¾	30	1 ¼	700	100	3000	435	12.0	39.3	12
1100	44	1118	19	¾	30	1 ¼	700	100	2500	362	13.2	43.3	12
1200	48	1219	19	¾	32	1 ⅙	700	100	2500	362	14.4	47.2	12
1300	52	1321	19	¾	40	1 ⅝	700	100	2500	362	15.6	51.1	12
1400	56	1422	19	¾	40	1 ⅝	700	100	2500	362	16.8	55.1	12
1500	60	1524	19	¾	40	1 ⅝	700	100	2500	362	18.0	59.0	12

### Notes

1. Product is fully customisable and available in non-standard specifications on request.
2. Buoyancy rating % is calculated based on SG of internal fluid, SG of external fluid, mass of hose, and volume of hose.
3. Safety factor is the ratio of working pressure to minimum rated burst pressure.
4. Standard liner thickness is the thickness recommended for general slurry applications (min 3mm for non-abrasive applications, e.g. water).
5. Maximum liner thickness is the design limit for a hose with fixed flange ASME CL150, standard working pressure, and standard hose inside diameter.
6. Minimum bend radius is the recommended design limit for a 6m hose length with fixed flange, standard working pressure, and standard liner thickness. Smaller bend radius hoses can be custom designed and built on request.