

FLOATING DOUBLE CARCASS 21 bar 7000 Series

Double Leak
Detection System

Double carcass hose developed and tested for offshore mooring applications

Type 7830F Reducer Hose

FLEXOMARINE SAFE



Nominal Bore (mm)	Outside Diameter (mm)				Weight in Air Empty (kg)			Minimum Bending Radius (m)
	D1 End	D2 Body	D3 End		Weight in Air Full of Sea Water (kg)			
					9.1m (30ft)	10.7m (35ft)	12.2m (40ft)	
200/150 (8"/6")	480	415	470	-	838 1009	948 1150	1052 1282	0.9
250/200 (10"/8")	570	500	560	-	1098 1397	1243 1594	1379 1779	1.2
250/150 (10"/6")	525	415	470	-	846 1013	958 1154	1063 1287	0.9
300/250 (12"/10")	670	585	660	-	1459 1917	1649 2187	1827 2441	1.5
300/200 (12"/8")	615	500	560	-	1109 1402	1255 1600	1393 1786	1.2
300/150 (12"/6")	555	415	470	-	855 1023	967 1166	1073 1300	0.9
400/300 (16"/12")	745	655	730	-	1821 2485	2059 2840	2282 3173	1.8
400/250 (16"/10")	715	585	660	-	1474 1924	1666 2196	1846 2450	1.5
500/400 (20"/16")	850	810	835	-	2545 3625	2882 4152	3197 4646	2.4
500/300 (20"/12")	785	655	730	-	1830 2493	2069 2849	2293 3182	1.8
600/500 (24"/20")	1000	950	985	-	3279 4996	3721 5740	4134 6437	3.0
600/400 (24"/16")	890	810	835	-	2558 3636	2896 4165	3213 4660	2.4

- Double Carcass Hose FLEXOMARINE SAFE Reducer Bore for use to connect large mainline hose to smaller tail hose
- Rated Working Pressure: 21 bar
- Minimum Bending Radius: 6D (up to 2D without any permanent deformation)
- Minimum Reserve Buoyancy: 20% or as requested
- Electrical Continuity: Continuous or as requested
- Leak Detection: In case of failure of the primary carcass, a double leak detection system (DDEMAS - Double Detection Expansion and Mechanical Anti-Pollution System), confirms the failure of the primary carcass. It's operation combines the natural expansion of the secondary carcass with a change in the hose profile and an increase on its buoyancy, furthermore a rod installed in each hose end that is initially embedded will become visible after the burst of the primary carcass giving additional confirmation of the failure