

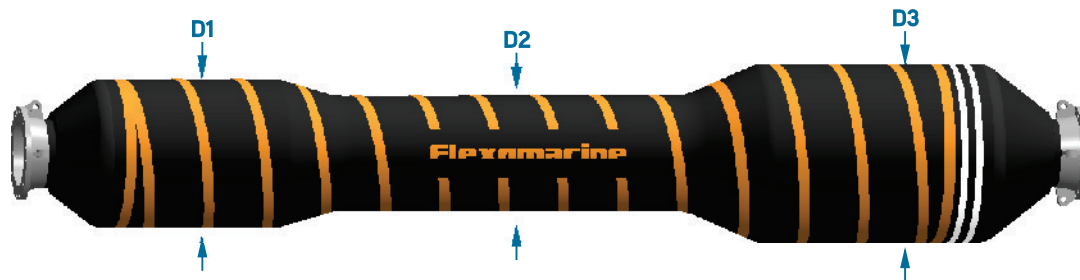
FLOATING DOUBLE CARCASS 15 bar 7000 Series

Double Leak
Detection System

Double carcass hose developed and tested for offshore mooring applications

Type 7650F Tanker Rail 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)		
150 (6")	520	355	570	849 1018	951 1150	1045 1272	0,6	
200 (8")	585	470	640	1152 1448	1296 1644	1431 1828	0.8	
250 (10")	705	530	755	1466 1920	1646 2180	1815 2424	1.0	
300 (12")	780	595	890	1919 2587	2157 2943	2379 3275	1.2	
400 (16")	930	745	1095	2554 3640	2870 4147	3165 4621	1.6	
500 (20")	1100	855	1315	3248 4971	3657 5683	4039 6349	2.0	

- Double Carcass Hose FLEXOMARINE SAFE Tanker Rail for use to connect the ship's manifold and the floating hose string
- Identified by a double circumferencial white bands at the tanker end
- This hose is extremely flexible to support the curvature demanded during offloading
- The fittings hose are welded lifting lugs to attach pick-up and snubbing chains
- Each lug are tested to support Safe Working Loads as follow:
6" = 40 kN 8" = 50 kN 10" = 70 kN
12" = 100 kN 16" = 150 kN 20" = 200 kN
- Rated Working Pressure: 15 bar
- Minimum Bending Radius: 4D (up to 2D without any permanent deformation)
- Minimum Reserve Buoyancy: 20% including the weight of ancillary equipment or as requested
- Electrical Continuity: Discontinuous 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, futhermore a rod installed in each hose end that is inically embedded will become visible after the burst of the primary carcass giving additional confirmation of the failure