

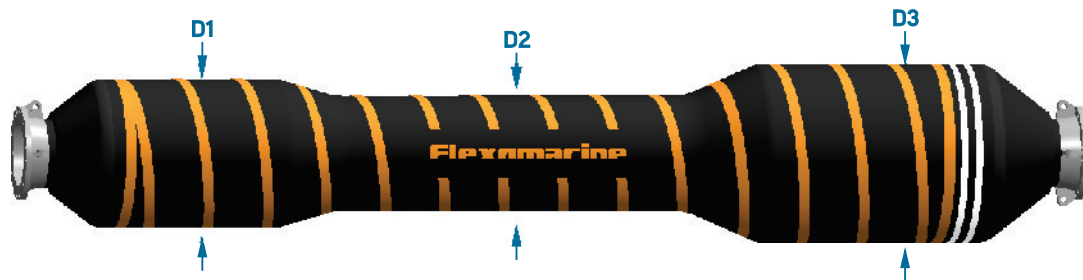
# FLOATING DOUBLE CARCASS 19 bar 7000 Series

Double Leak  
Detection System

Double carcass hose developed and tested for offshore mooring applications

## Type 7750F 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")	530	365	585	876 1046	984 1183	1085 1312	0,6	
200 (8")	590	480	645	1147 1443	1292 1640	1429 1825	0.8	
250 (10")	720	540	775	1519 1973	1707 2241	1883 2492	1.0	
300 (12")	790	610	900	1945 2613	2192 2977	2422 3318	1.2	
400 (16")	950	760	1110	2626 3711	2959 4236	3271 4727	1.6	
500 (20")	1120	875	1340	3363 5086	3793 5819	4194 6504	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: 19 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, furthermore 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