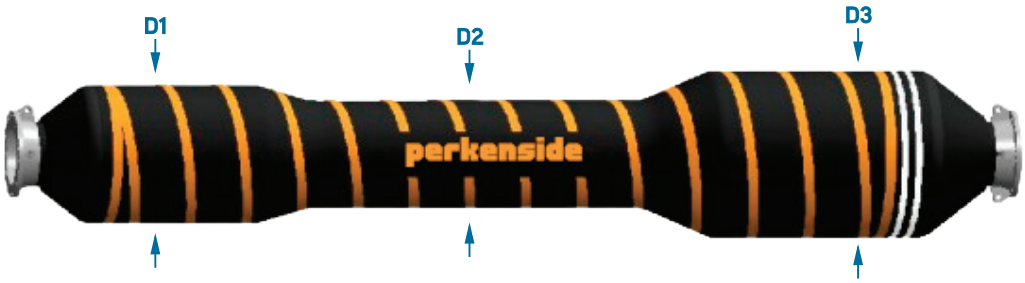
FLOATING DOUBLE CARCASS 19 bar 7000 Series

Double Leak Detection System

Double carcass hose developed and tested for offshore mooring applications

Type 7750F **Tanker Rail Hose**



Nominal Bore (mm)	Outside Diameter (mm)				Weight in Air Empty (kg) / Weight in Air Full of Sea Water (kg)			Minimum Bending Radius (m)
	D1 End	D2 Body	D3 End		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 **perkenside** 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, futhermore a rod installed in each hose end that is inicially embedded will become visible after the burst of the primary carcass giving additional confirmation of the failure