MARINE HOSES
FLOATING & SUBMARINE
Perkenside
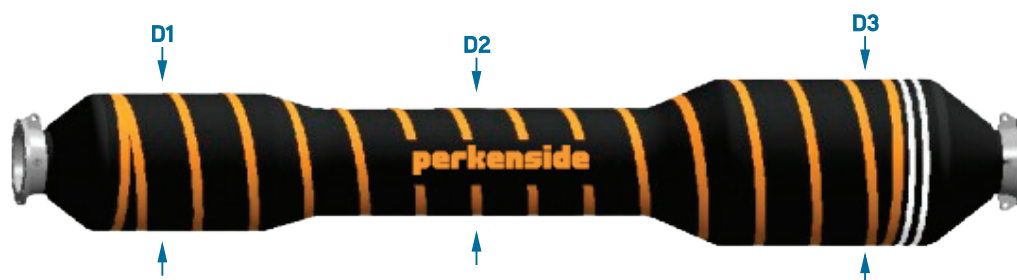Hoses for offshore oil loading and discharge operations

FLOATING DOUBLE CARCASS 21 bar 7000 Series

Double Leak Detection System

Double carcass hose developed and tested for offshore mooring applications

Type 7850F **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	-	903 / 1073	1015 / 1214	1119 / 1346	0,6
200 (8")	590	480	645	-	1182 / 1478	1332 / 1680	1473 / 1870	0.8
250 (10")	720	540	775	-	1566 / 2020	1760 / 2294	1941 / 2550	1.0
300 (12")	790	610	900	-	2005 / 2674	2260 / 3045	2497 / 3393	1.2
400 (16")	950	760	1110	-	2707 / 3793	3051 / 4328	3372 / 4828	1.6
500 (20")	1120	875	1340	-	3467 / 5190	3910 / 5936	4323 / 6633	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: 21 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