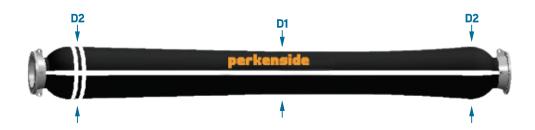


SUBMARINE DOUBLE CARCASS 19 bar 7000 Series

Double Leak Detection System

Double carcass hose developed and tested for offshore mooring applications

Type 7735S Tanker Rail Hose



| Nominal Bore (mm) | Outside Diameter (mm) | | | | Weight in Air Empty (kg) Submerged Weight Full of Sea Water (kg) | | | Minimum Bending |
|-------------------------|--------------------------|-----|---|---|---|--------------------------|---------------------------|--------------------|
| | D1 | D2 | | | 9.1m | 10.7m (35ft) | 12.2m (40ft) | Radius (m) |
| 450 | Body | End | | | (30ft) | | | |
| 150 (6") | 300 | 425 | - | - | 765 205 | 862 215 | 952 223 | 0,6 |
| 200 (8") | 360 | 485 | - | - | 1005 285 | 1132 298 | 1252 <mark>311</mark> | 0.8 |
| 250 (10") | 420 | 560 | - | - | 1340 400 | 1507 <mark>419</mark> | 1664 437 | 1.0 |
| 300 (12") | 490 | 630 | - | - | 1738 554 | 1961 588 | 2170 <mark>62</mark> 0 | 1.2 |
| 400 (16") | 590 | 730 | - | - | 2341 797 | 2640 <mark>846</mark> | 2921 893 | 1.6 |
| 500 (20") | 700 | 850 | - | - | 3003 1038 | 3393 1106 | 3759 1171 | 2.0 |

- Double Carcass Hose **perkenside** SAFE Tanker Rail Submarine Hose for use to facilitate lifting up the 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
- 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)
- Electrical Continuity: Discontinuous or as requested
- Leak Detection: In case of failure of the primary carcass, a rod installed in each hose end, that is inicially
 embedded will become visible after the burst of the primary carcass giving confirmation of the failure.