

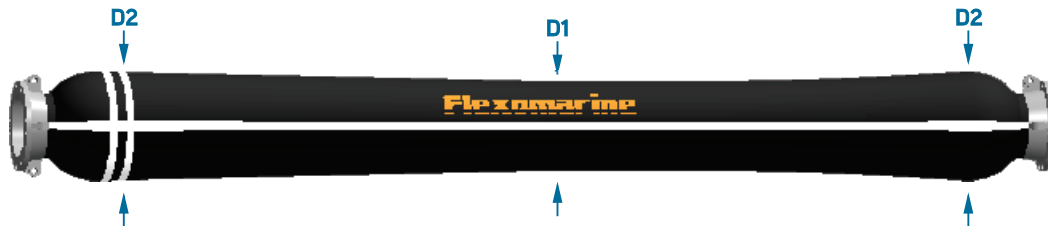
# SUBMARINE DOUBLE CARCASS 21 bar 7000 Series

Double Leak  
Detection System

Double carcass hose developed and tested for offshore mooring applications

## Type 7835S Tanker Rail Hose

FLEXOMARINE SAFE



| Nominal Bore (mm) | Outside Diameter (mm) |        |   |   | Weight in Air Empty (kg)                |              |              | Minimum Bending Radius (m) |
|-------------------|-----------------------|--------|---|---|---|--------------|--------------|----------------------------|
|                   | D1 Body               | D2 End |   |   | Submerged Weight Full of Sea Water (kg) |              |              |                            |
|                   |                       |        |   |   | 9.1m (30ft)                             | 10.7m (35ft) | 12.2m (40ft) |                            |
| 150 (6")          | 300                   | 425    | - | - | 789<br>211                              | 888<br>221   | 981<br>230   | 0,6                        |
| 200 (8")          | 360                   | 485    | - | - | 1036<br>293                             | 1167<br>308  | 1290<br>321  | 0,8                        |
| 250 (10")         | 420                   | 560    | - | - | 1381<br>412                             | 1553<br>432  | 1715<br>451  | 1,0                        |
| 300 (12")         | 490                   | 630    | - | - | 1791<br>572                             | 2021<br>606  | 2237<br>639  | 1,2                        |
| 400 (16")         | 590                   | 730    | - | - | 2413<br>822                             | 2722<br>873  | 3011<br>920  | 1,6                        |
| 500 (20")         | 700                   | 850    | - | - | 3096<br>1070                            | 3498<br>1141 | 3875<br>1207 | 2,0                        |

- Double Carcass Hose FLEXOMARINE 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: 21 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 initially embedded will become visible after the burst of the primary carcass giving confirmation of the failure.