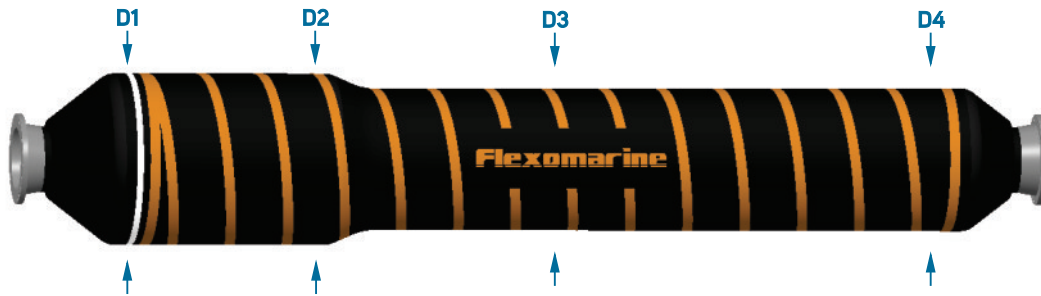


Type 7810 F RT **First Off FPSO HOSE**

FLEXOMARINE SAFE



| Nominal Bore (mm) | Outside Diameter (mm) | | | | Weight in Air Empty (kg) | | | Minimum Bending Radius (m) |
|-------------------|-----------------------|------|------|------|--------------------------------------|--------------|--------------|----------------------------|
| | D1 | D2 | D3 | D4 | Weight in Air Full of Sea Water (kg) | | | |
| | | | | | 9.1m (30ft) | 10.7m (35ft) | 12.2m (40ft) | |
| 300 (12") | 830 | 810 | 710 | 730 | 2315 2983 | 2633 3419 | 2932 3828 | 1.8 |
| 400 (16") | 980 | 960 | 860 | 880 | 3117 4202 | 3543 4820 | 3943 5399 | 2.4 |
| 500 (20") | 1200 | 1180 | 1020 | 1050 | 3958 5682 | 4505 6531 | 5018 7328 | 3.0 |
| 600 (24") | 1330 | 1300 | 1150 | 1170 | 5186 7693 | 5916 8864 | 6600 9961 | 3.6 |

- Double Carcass Hose FLEXOMARINE SAFE One Reinforced End be used in the FPSO Offloading connection
- Identified by one circumferencial white band at the reinforced end
- The hose can be supplied with reinforcement at both ends or fully reinforced
- Rated Working Pressure: 21 bar
- Minimum Bending Radius: 6D (up to 2D without any permanent deformation)
- Minimum Reserve Buoyancy: 20% including teh weight of ancillary equipment or as requested
- Electrical Continuity: Continuous 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 inically embedded will become visible after the burst of the primary carcass giving additional confirmation of the failure