

FirstSubsea

Arctic & Quick Release Systems

First Subsea's arctic and quick release systems provide an in-line mooring solution for Mobile Offshore Drilling Units (MODU) and submerged turret buoy Floating Production Storage Offloading (FPSOs). Based on Ballgrab® ball and taper connector technology, both release systems are ideally suited for deepwater environments and use in adverse climatic conditions.

Arctic Release - Provides an inline temporary mooring solution for short term drilling in severe climate conditions. The connector can be released acoustically to remotely disconnect the mooring line to allow the vessel to move away quickly.

Quick Release - This connector allows quick remote disconnect and reconnect of mooring lines via acoustic control. It can be used in extreme load conditions, loads more than 2,600T per line, and work in low temperatures of up to -45°C.



Arctic Mooring Release Receptacle

Ball and Taper

Ball and taper connection technology, in its simplest form, is the action of balls held securely in tapers machined into the connector's mandrel. The balls are free to move up and down the taper, however when the balls grip the item to be held, they grasp it in direct proportion to the load applied.

Features

- Diverless and ROV-less disconnection
- Self-aligning and self-activating
- Acoustic control line compliant
- Rapid disconnection allowing vessel to move away
- Safe disconnection of mooring line under load
- Works under extreme load conditions (2,600T +)
- Works under extreme weather and temperature conditions



Quick Release System

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First Subsea Ltd, Engineering House, Lune Industrial Estate, New Quay Road, Lancaster, LA1 5QP, UK.
Tel: +44 (0)1524 387777 Fax: +44 (0)1524 387778 Email: sales@firstsubsea.com
Website: www.firstsubsea.com

First Subsea Ltd, Subsea Sdn Bhd, Suite F803, Phileo Damansara 1, Off Jalan Damansara
46350 Petaling Jaya, Selangor, Malaysia. Tel: +60 3 7956 0494 Fax: + 60 3 7958 8033

