

# Rocksteady



## Subsea mooring connector

Rocksteady is a self-locking subsea mooring connector that guarantees faster installation and reliable disconnection.

### DNV & ABS approved

We have designed, break-load tested, fatigue tested and durability tested to qualify a cost-efficient, field proven, simple and robust product in capacities up to 3,000t MBL.

### Versatile

Used in-line, as a platform or anchor connector; Rocksteady can be supplied with integrated bearings for high oscillating loads; or interface with chain, shackles, rope sockets, or any subsea structure or foundation.

### Reliable connection

Proven offshore high speed latch (3m/s), high angle tolerance ( $> 15^\circ$ ), pull-in cable compatible, and capable of disconnect under load, Rocksteady will connect and release in all weather conditions.

### Built tough

Rocksteady's locking mechanism is simple and all moving parts are recoverable. All load path components are full forged with field proven coatings and seals to protect the internal components from corrosion and debris ingress.

### Demanding load cases

Rocksteady preload option has the unique capability to accommodate bending, tension, compression, shear and torsion loads. This enables simple vertical connection with offset loading in any direction with a recoverable bearing unit.



## Specifications

<b>Codes</b>	DNV OS E301, DNV OS E302, ABS #39 Mooring Chain, API RP A203
<b>Material</b>	DNV OS E302 forgings, 350HV10 max
<b>Certification</b>	ABS / DNV product approval, manufacturer's approval
<b>Mechanical design</b>	ISO 13628-7 (elastic plastic FEA), DNV RP C203
<b>Testing</b>	Minimum break load (MBL), proof load, volumetric and surface NDT, 3.1 certs
<b>Mooring applications</b>	Permanent mooring, temporary rig mooring, remote emergency disconnection Offshore floating wind platform connector, in-line connector, anchor connector Tidal and wave power applications, power-take-off unit tethering
<b>Size</b>	Contact SRP for a quick estimate and 3D model for use in your system

## Operations

<b>Installation</b>	Freely guide with funnel, central pull-in line, Rocksteady tension tool
<b>Control method</b>	Automatic lock with indicator, release with external hydraulic tool, chaser or rope pull
<b>Control options</b>	Preloaded lock (bending applications), hydraulic with ROV hot stab override Electric motor (QD option), lock proximity sensor



**Rocksteady**

**ACTEON**

[www.srpsubsea.com](http://www.srpsubsea.com) | [info@srpsubsea.com](mailto:info@srpsubsea.com) | +44 (0) 1483 775 000

Every effort has been made to ensure the data on this sheet is accurate at the time of issue, however, it is subject to revision.  
SRP is a division of Large Diameter Drilling Ltd, an Acteon Company. Rocksteady is a trademark of Large Diameter Drilling Ltd ©