

ROV Shackle

- The ROV Shackle is used for lifting operations of subsea equipment and includes a ROV operated mechanical actuator for connecting and disconnecting the shackle.

ROV Shackle

DESCRIPTION

Robust design based on standard certified shackle, equipped with mechanical ROV-operated «open and close» function. By using this shackle, the ROV is enabled to open and close the shackle pin using the manipulator arm. The shackle has been used multiple times during operations world wide, and we have delivered shackles from 12 to 120 tons.

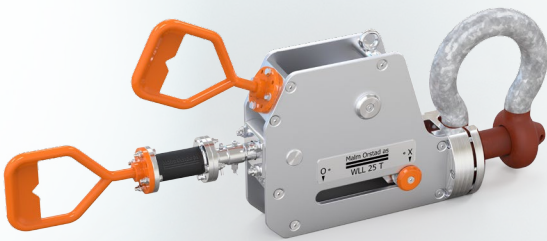
PRODUCT INFORMATION

Advantages

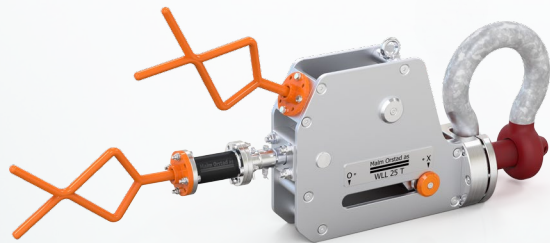
- Certified according to DNV 2.22 - Lifting Appliances.
- Easy operation with ROV manipulator.
- As a standard shackle is used, it fits standard lifting ears / pad eyes for the specific size.
- Used successfully in many subsea installations.
- Can be delivered with both D-handle and Fishtail handle.
- Rigging point for correct levelling of ROV shackle.
- High operating max. torque.
- Corrosion resistant construction.

Technical information

- Shackle size: 12 to 120 ton.
- Calculated and certified in accordance with DNV 2.22.
- Fabricated in accordance with ISO 13628-8.
- CE marked.
- ROV or diver operated.
- Operation torque: 100 Nm.
- Design torque: 200 Nm.



ROV Shackle with D-handle



ROV Shackle with Fishtail

Dimension table

GA Drawing	WLL (Te)	Type and handle	Overall Dimensions (L x H x W) in mm	Safety Bolt diam. (mm)	Pad eye max. hole diameter (mm)	Pad eye width (mm)		Number of turns to open/close (-)	Max operational torque (Nm)	Weight in air (kg)	Weight in water (kg)
						Min	Max				
MO115847	12	D-Handle	820 x 358 x 124	35	37	41	49	~23	100	27	23,5
MO115915		Fishtail	875 x 392 x 124								
MO116149	25	D-Handle	928 x 394 x 150	50	53	58	70	~31	100	42	36
MO116153		Fishtail	987 x 425 x 150								
MO115548	35	D-Handle	960 x 404 x 170	57	60,5	65	79	~34	100	50	43
MO115642		Fishtail	1015 x 435 x 170								
MO116160	55	D-Handle	1133 x 518 x 210	70	74	82,5	100	~44	100	96	83
MO116166		Fishtail	1187 x 549 x 210								
MO115595	85	D-Handle	1198 x 538 x 230	83	88	100	120,5	~51	100	122,5	105,5
MO115643		Fishtail	1255 x 549 x 230								
MO115962	120	D-Handle	1287 x 627 x 280	95	100,5	116	139,5	~58	100	209	181
MO115992		Fishtail	1342 x 661 x 280								

References

- GE Oil & Gas - Vetco Gray
- Framo
- Sonsub