

# GREEN PIN<sup>®</sup> ROV SHACKLES

DESIGNED FOR TOTAL CONTROL



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# Green Pin® ROV Shackles

## Total control for the ROV pilot and engineer

Working with Remotely Operated Vehicles (ROV) at great depths presents a range of unique challenges. The entire range of Green Pin® ROV Shackles has been specially designed for subsea applications, offering ROV pilots and engineers maximum control during lifting operations where a load is released or retrieved. Assembly and disassembly of the shackle is fast and easy with the help of locking systems that are intuitive to use from a distance. The white coating of the shackle bodies also optimizes under water visibility. What's more, intuitive use translates into greater control and enhanced safety.

## Complete range developed specifically for subsea applications

Green Pin® offers three types of ROV release shackles and two types of combined release & retrieve shackles. Showpieces in this range are the Green Pin® Guided Pin ROV Shackle and the Green Pin® Locking Clamp ROV Shackle. ROV release shackles are available with spring pins, locking clamps or spring loading.

All shackle bodies are finished with a white coating for optimized visibility in poor light conditions. Furthermore, the pins are finished in the instantly recognizable and characteristic 'Green Pin®' colour. **Green Pin® ROV Shackles: total control, smooth operation and greater safety.**

Please find the animation videos and user manuals on [www.greenpin.com](http://www.greenpin.com)



### GREEN PIN® GUIDED PIN ROV SHACKLE

**Release & retrieve ROV shackle  
(grade 8) with guiding tube**

- 100% straight alignment of shackle pin towards shackle eyes
- Lifting eye on tube helps to balance the shackle
- Optimal safety: locking system prevents loose shackle pin
- Available with D-Handle (shown) or Fishtail Handle
- Suitable for both inline- and side loading



### GREEN PIN® LOCKING CLAMP ROV SHACKLE

**Release ROV shackle  
(grade 8) with locking clamp**

- Powerful locking system prevents unintentional load release
- Locking system is easy to handle for the ROV pilot
- Secured pin may rotate freely, avoiding unintended clamp unlocking or stuck wire ropes
- LEEA Award winning product
- Suitable for both inline- and side loading



### GREEN PIN® TAPERED PIN ROV SHACKLE

**Release & retrieve ROV shackle  
(grade 8) with tapered pin**

- Tapered pin for easy underwater assembly
- Easy and safe manipulation of handles by ROV arm
- Pin contains groove to attach it to shackle body with wires
- Available with Fishtail Handle (shown) or D-Handle
- Suitable for both inline- and side loading



### GREEN PIN® SPRING PIN ROV SHACKLE

**Release ROV shackle (grade 8)  
with spring pins**

- Two spring pins ensure additional safety
- Attach pin to shackle body with wire through groove on pin head



### GREEN PIN® SPRING RELEASE ROV SHACKLE

**Release ROV shackle (grade 8)  
with spring**

- Single pull release system
- Optional double safety prevents accidental load release
- Faster disassembly of shackles underwater
- Special compression tool (sold separately) is required to assemble the shackle for sizes WLL 42.5t and up

## Green Pin® ROV Shackles product types and attributes

	Green Pin® Guided Pin ROV Shackle	Green Pin® Locking Clamp ROV Shackle	Green Pin® Tapered Pin ROV Shackle	Green Pin® Spring Pin ROV Shackle	Green Pin® Spring Release ROV Shackle
Release	✓	✓	✓	✓	✓
Retrieve	✓		✓		
D-handle	✓		✓		
Fishtail handle	✓		✓		
Pin manipulation: rotation	✓		✓		
Pin manipulation: pushing/pulling		✓		✓	✓
In-line loading	✓	✓	✓	✓	✓
Side loading	✓	✓	✓		
Semi-automatic					✓
Polar quality	✓	✓	✓	✓	✓
Temperature range	-60°C - 200°C -76°F - 392°F	-60°C - 200°C -76°F - 392°F	-60°C - 200°C -76°F - 392°F	-60°C - 200°C -76°F - 392°F	-40°C - 200°C -40°F - 392°F
WLL range	12 - 55 tonnes	6.5 - 250 tonnes	6.5 - 55 tonnes	6.5 - 85 tonnes	12 - 150 tonnes



## Total control, smooth operation and greater safety

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- ✓ Full range of premium quality ROV shackles
- ✓ Developed specifically for subsea applications
- ✓ Different designs for release and retrieve operations
- ✓ White coating optimizes visibility under water
- ✓ Innovative and powerful locking systems
- ✓ Different handle-designs, specially designed for ROV arms



[greenpin.com](http://greenpin.com)

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**GREEN TO GO**

