



SOME FISH
GO MUCH DEEPER.

Green Pin® ROV Range

Some fish go much deeper.

Some sea creatures are more specialized than others. More fit to the extreme conditions under water. Like our subsea shackles and hooks for ROV-operations. Green Pin® offers an ocean of possibilities with our range of specialized components.

Designed and produced with the right subsea mindset. For more control. For more precision. And for more possibilities. So make sure you choose Green Pin®. The great white with the Green Pin®.



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® 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® 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® LOCKING CLAMP ROV SLING SHACKLE

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

- The same benefits of the Green Pin® Locking Clamp ROV Shackle combined with a wider shackle body to save on rope cost
- Excellent choice for subsea heavy lifting projects

Green Pin® ROV Shackles

Complete range of shackles for subsea applications

Green Pin® offers four 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 (for release and retrieve operations) and the Green Pin® Locking Clamp ROV (Sling) Shackle (for release operations only). ROV release shackles are available with spring pins, locking clamps or spring loading.

Green Pin® ROV product types and attributes

	Green Pin® Guided Pin ROV Shackle	Green Pin® Tapered Pin ROV Shackle	Green Pin® Spring Pin ROV Shackle	Green Pin® Spring Release ROV Shackle	Green Pin® Locking Clamp ROV Shackle	Green Pin® Locking Clamp ROV Sling Shackle
Release	✓	✓	✓	✓	✓	✓
Retrieve	✓	✓				
D-handle	✓	✓				
Fishtail handle	✓	✓				
Pin manipulation: rotation	✓	✓				
Pin manipulation: pushing/pulling			✓	✓	✓	✓
In-line loading	✓	✓	✓	✓	✓	✓
Side loading	✓	✓			✓	✓
Semi-automatic				✓		
Wider body						✓
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	-40°C - 200°C -40°F - 392°F	-60°C - 200°C -76°F - 392°F	-40°C - 200°C -40°F - 392°F
WLL range	12t - 55t	6.5t - 55t	6.5t - 85t	12t - 150t	6.5t - 250t	12.5t - 300t

ROV hooks for subsea applications

The Green Pin® ROV range also features hooks designed for subsea lifting. Green Pin® offers two types of ROV hooks: the Green Pin® ROV Eye Hook and Green Pin® ROV Shank Hook. Both hooks can be used for release operations while the shank hook can also be used for retrieve operations. Each hook has a wire rope attached to the latch to make operation with an ROV arm easier.

All shackle bodies and hooks are finished with a white coating for optimized visibility in poor light conditions. The pins are finished in the instantly recognizable and characteristic 'Green Pin®' colour.

Please find the animation videos and user manuals on www.greenpin.com.



GREEN PIN® ROV HOOK E GR8

Release ROV eye hook (grade 8)

- Easy operation of latch with ROV arm due to attached wire
- White coating optimizes visibility under water
- No protruding parts so does not get caught
- Can easily be used with standard Green Pin® connectors



GREEN PIN® ROV SHANK HOOK E GR8

Release & retrieve ROV eye shank hook (grade 8)

- Easy to grab shape of the shank (hexagon)
- Latch can be locked by a split pin to prevent opening during operation
- Shape of hook optimized to reduce wear of ropes
- Hook tip extension makes aiming, steering and hooking up easier

	Green Pin® ROV Hook E GR8	Green Pin® ROV Shank Hook E GR8
Release	✓	✓
Retrieve		✓
In-line loading	✓	✓
Easy latch manipulation	✓	✓
Tip extension		✓
Temperature range	-40°C - 200°C -40°F - 392°F	-40°C - 200°C -40°F - 392°F
WLL range	8.2t - 15.5t	12t - 80t

Total control, smooth operation and greater safety

- ✓ Full range of premium quality ROV shackles and hooks
- ✓ 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



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GREEN TO GO

