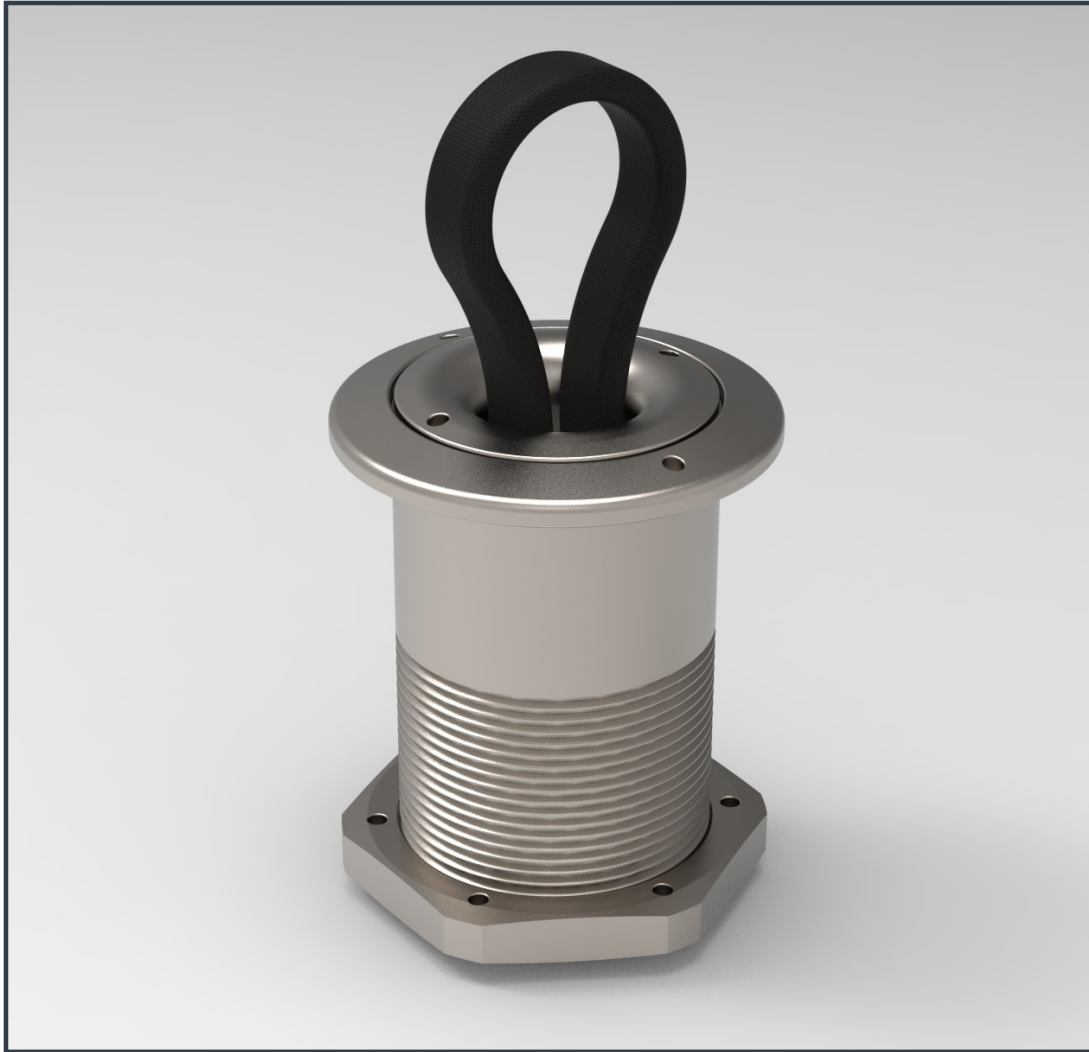


Rigging Projects

Soft Loop Utility Padeye User Guide



RP4136- RPPD - UG - 01

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Caution

The Rigging Projects Utility Padeyes have been tested extensively to ensure the safety and function of the product. However, it is important for the users to understand the risks involved in the event of a mechanical failure. Failure to take safety precautions could lead to severe injury or death.

Introduction

This manual provides an overview of the Rigging Projects Utility Padeyes and their maintenance. Please read this manual carefully before installation, use or maintenance, to ensure that you have understood and are familiar with all relevant details.

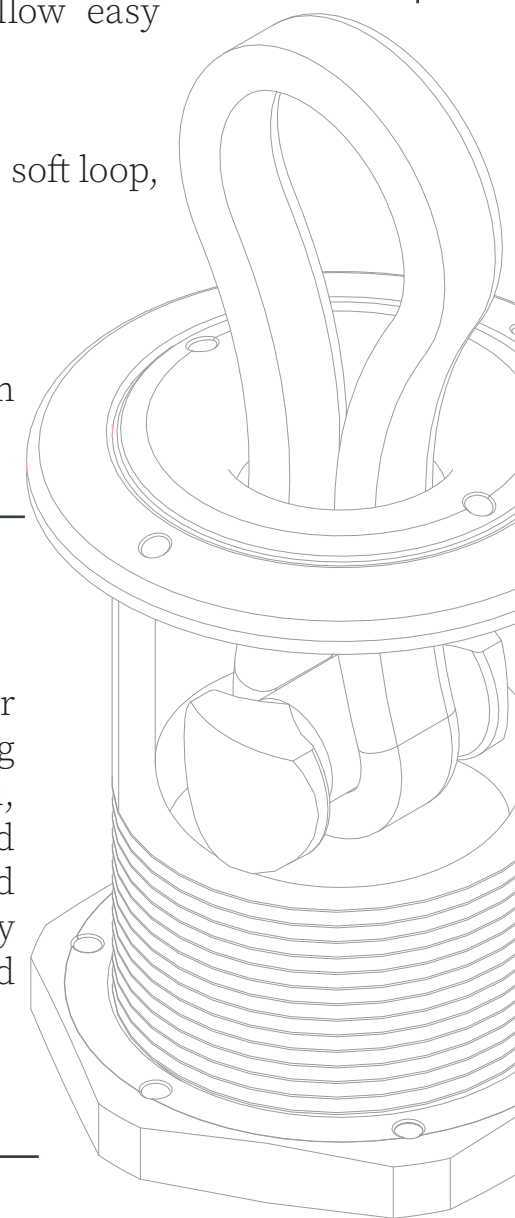
Prior to using this product, all persons should be made aware about the possible hazards associated with its operation and use. Any service work, repairs maintenance or equivalent work carried out on the product should be undertaken by technically qualified persons.

Key Design Features

- Lightweight through-deck-mounted Titanium padeyes
- Waterproof and accessible from above deck, to allow easy interchange of fittings
- Yacht logo customisation
- Options include tie rod connection, padeye to fairlead, soft loop, and 2:1 dead end
- Design allows for accessible strop replacement
- Sizing fully customisable from 3T-25T
- Low profile fittings for use on all types of yacht, from race boats to super yachts

Disclaimer

It is not permitted to modify the product or its parts, other than replacing parts specified in this manual. Rigging Projects Ltd is not liable for any dangerous situation, accidents, damage and consequences thereof caused when deviating from the instructions, guidelines and procedures described in this manual. To retain warranty do not deviate from the instructions, guidelines and procedures described in this manual.



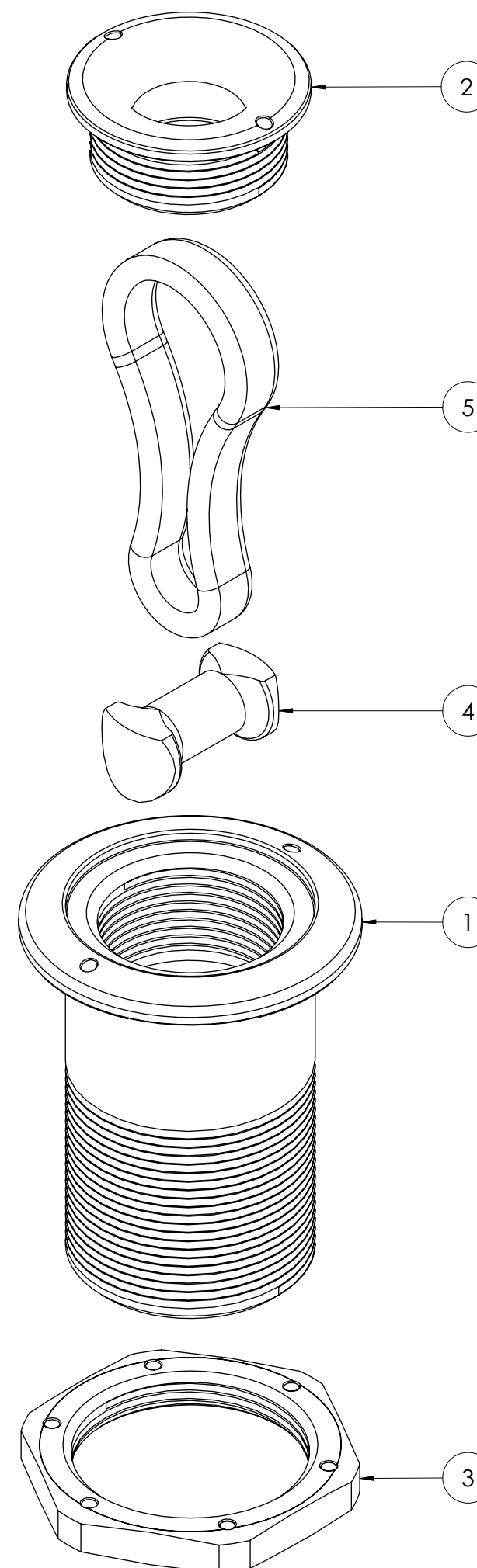
Soft Loop Utility Padeye Range

Soft Loop Padeye	Part No.	MWL (T)	Deck Grip Length (mm)	Above Deck Diameter (mm)
3T	RP2881	3	15-35	55
3T	RP2432	3	30-45	55
3T	RP2437	3	45-85	55
5T	RP0015	5	15-35	66
5T	RP2443	5	35-65	66
5T	RP0304	5	65-90	66
7.5T	RP2882	7.5	15-35	78
7.5T	RP2155	7.5	35-65	78
7.5T	RP3086	7.5	65-90	78
10T	RP0241	10	15-40	92
10T	RP0760	10	35-65	92
10T	RP0301	10	65-90	92
12.5T	RP3082	12.5	20-45	102
12.5T	RP3147	12.5	35-65	102
12.5T	RP3089	12.5	65-90	102

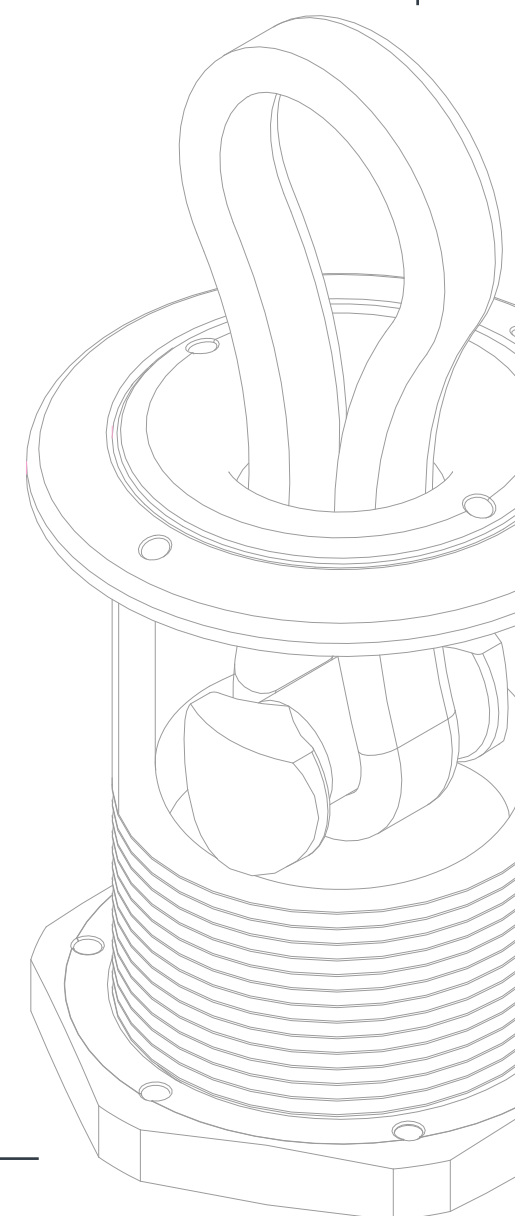
Running Rigging

Please contact Rigging Projects to stipulate the correct dimensions of loop connected to the padeye to ensure the correct safety factors have been met. Ensure the splicing of the loop is carried out by a technically qualified person.

Global View



Item #	Description	Qty
1	BODY	1
2	FERRULE	1
3	NUT	1
4	DOGBONE	1
5	SOFT LOOP	1



Installation

Tools	• Pin Spanner • Adustable Spanner • Marine Sealant • Blue Loctite • Marker • Torque Wrench • Custom Socket for Nut capatible with Torque Wrench
Step	Instruction
Prepare	1. Clean the deck area and marked out for the location of the padeye bore 2. Check the customer drawing for the overall diameter of the padeye body. Ensure the position on deck is a suitably flat finished surface; some cases may require an area of potting in the deck to take the required load 3. Structural sign off should be gained for the working load of the padeye
Drill	1. Check the padeye customer drawings for the body ① hole size. The receiving hole in the deck must be a tight fit to the body of the padeye (+/- 1mm ideally) 2. Ensure the above and below deck surfaces are parallel for even clamping across the padeye and nut area
Position	1. The dogbone ④ is to be orientated perpendicular to the load direction. It is able to rotate in the padeye as the load direction changes if required 2. The orientation of the padeye is omni directional however for the aesthetics of the product the engraving on the body should be clearly visible
Dry Fit	1. Install the body ① into the deck to check fit and ensure it sits flush to the deck 2. From below; install the nut ③ and tighten ensuring there is at least 3 threads visable on the body, below the nut 3. Ensure the nut ③ is flush to the deck head and is in contact through out 4. Mark the thread on the body ① where the nut ③ sits when hand tight for Loctite application later in the install 5. Remove the assembly
Wet Fit	1. Please follow the chosen sealant manufactures recommended preparation and application process 2. Ensure the bead sufficiently covers the padeye body ① 3. Insert the body ① into the deck; ensure there is a complete seal between the body ① and the mounting surface 4. Apply Blue Loctite to the marked treads from the dry install 5. Using a pin spanner on the body ① above deck and adjustable spanner on the nut ③ below deck. Tighten the nut to ensure there is no displacement at the deck level, while under load 6. Ensure the nut and padeye body are clamping to the deck material evenly 7. Ensure there is no rotation possible in the body when installed in the deck 8. Allow sealant to fully cure before loading the padeye 9. The recommended procedure is to drill through the hole in the nut into the deck and then tap a thread and install a grub screw

Installation

Once satisfied the required locking torque has been reached, drill and tap hole into mounting surface under the deck to secure nut with grub screw.

Please contact Rigging Projects should you require specific tooling for the installation.

Padeye (T)	Locking Torque (Nm)
3	80
5	100
7.5	120
10	140
12.5	160
15	180
17.5	200
20	220

Ferrule and Dogbone



When installing the dogbone with soft loop ⑤ onto the ferrule ②; ensure the flat face of the dogbone ④ is flush to the base of the ferrule ②, pull the loop tight to secure dogbone in position.

Ferrule and Padeye



Ensure the ferrule ② is sitting flush with the padeye body ① and tightened with a pin spanner.

Inspection Intervals

During each interval please carry out preceding inspection advisories

Interval	Advisories
Inshore Racing Daily Check	Visual inspection of the body for damage or sharp edges
	Visual inspection of the loop - Loose strands or signs of chafe in the cover matrix. Deformity or necking along the length of the loop and UV damage to the loop cover
	Inspect the surface of the ferrule, ensure the thread is tight and the ferrule is sitting flush with the body, it should reach the bottom by hand. Only using a pin spanner to snug up.
Offshore Sailing or 2 Months or 2500nm	Remove and inspect loop, take care to straighten it as it may have hardened into shape. Check for signs or wear and abrasions. If any visual observations lead to a question of strength it should be replaced
	Inspect dogbone for signs of wear on load faces, deformity or bending along the length or fractures in the component
	Clean all components with warm soapy water and flush with fresh water. If threads are bear, reapply blue Loctite
Annual or 20,000nm	Inspect mounting surface for deformation or signs of abnormality
2 years	Full inspection and service by Rigging Projects technician
	Replace loop

Important

Rigging Projects equipment is designed for minimal maintenance, but some maintenance is required for optimum and safest possible operation and to comply with the Rigging Projects limited warranty. In general, the most important aspect of maintenance is to keep your equipment clean by frequently flushing with fresh water. In corrosive atmospheres, stainless parts may show discolouration around holes and screws. This is not serious and may be removed with a fine abrasive.

Trouble Shoot

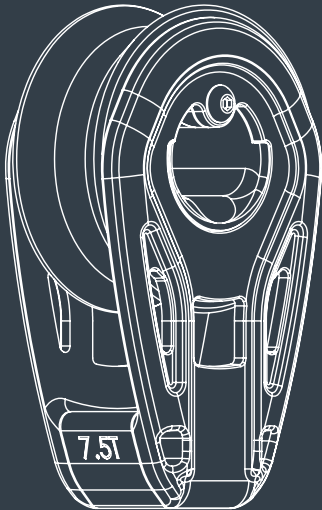
Problem	Probable Cause	Solution
Body is deformed or showing signs of cracking or abnormality or wear on load faces deformity. Irregular thread pattern or broken threads	Excessive loading on the padeye or movement with in the install surface	Photograph and remove the padeye if possible. If not, remove the dogbone and clearly mark the padeye as 'out of action'. Using dye pen where possible visually highlight deformity or crack propagation
Soft loop showing signs of structural vulnerability	Loop has experienced excessive load or chaffing	Scan barcode and replace with Rigging Projects soft loop with equivalent working load limit. Identify cause of issue and repair before reusing the padeye
Bending along the length of the dogbone, cracks or fractures on the part.	Dogbone has experienced excessive load	Photograph and remove the dogbone if possible, if not, clearly mark the padeye as 'out of action' and not to be used until dogbone or ferrule is removed, repaired and replaced. Using dye pen where possible visually highlight deformity or crack propagation
	Experienced loading in the incorrect orientation	
	Installed in the incorrect orientation	
Permanent deformity or signs of bending in the deck visible. Cracks propagating around padeye or mounting area		Stop using the padeye. Remove dogbone from the padeye to stop further use. Remove padeye completely and inspect the deck area. Obtain sign off from certified structural engineer and shipyard before reinstalling padeye

When the source of the original concern is found, refer to original photos to verify, this should be repaired and signed off by the vessels' Captain before reinstalling the padeye as per the installation instructions.

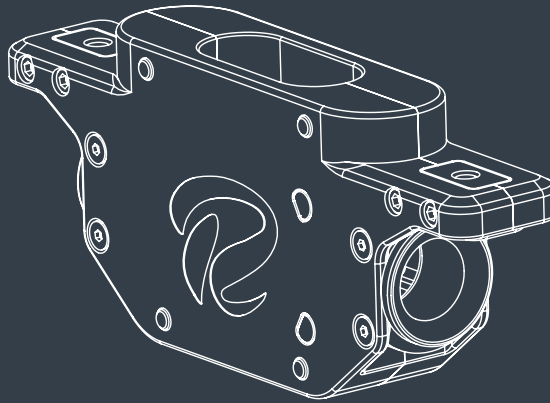
Customer Support

Info@riggingprojects.com

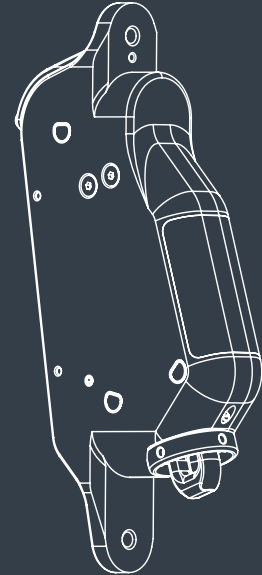
+44 23 8045 6358



X- Glide Range



Internal Lock Range



Fwd Lock Range

Newport RI, USA

Southampton, UK

Zaandam, Netherlands

Palma de Majorca, Spain

AHEAD OF THE CURVE

- Project Management
- Sail Handling
- Hardware
- Textile Solutions
- Service
- Custom