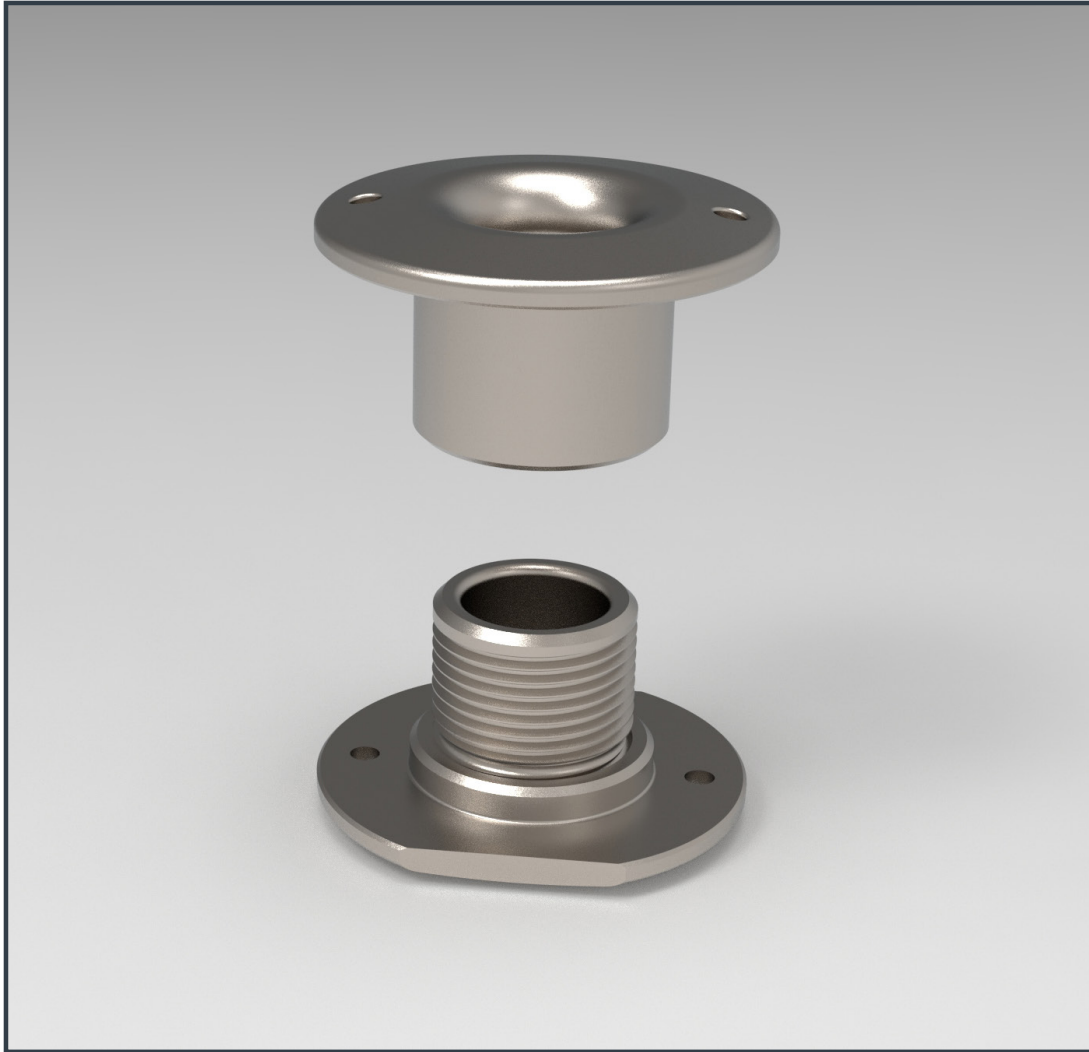


Rigging Projects

Through Deck Ferrule User Guide



RP4141- TDF - UG - 01

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Introduction

This manual provides an overview of the Rigging Projects Through Deck Ferrule and its 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.

Caution

The Rigging Projects Through Deck Ferrule has 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.

Key Design Features

- Designed for through deck or bulkhead installation
- Lightweight Titanium through-deck-mounted ferrules
- Customizable line diameter and deck thicknesses
- Low profile fittings for use on all types of yacht
- Easy installation

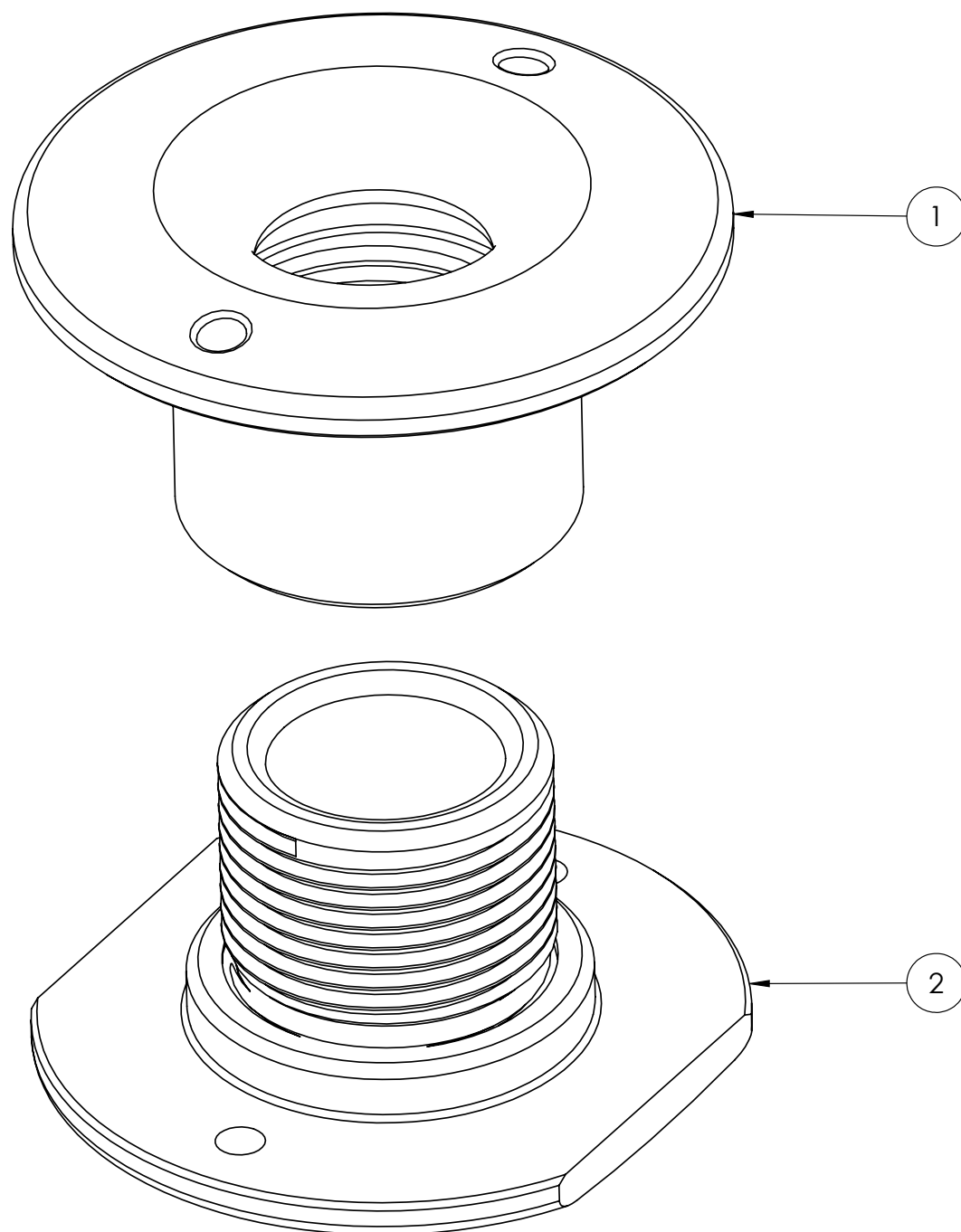
Through Deck Ferrule Range

Part #	Ferrule Diameter (mm)	Max Line Ø (mm)	Upper Female Outside Ø	Deck Grip (mm)
RP1691	9.5	8.5	32	15-35
RP1692	9.5	8.5	32	30-45
RP1693	9.5	8.5	32	45-85
RP1694	14	12.5	48	15-35
RP1695	14	12.5	48	35-65
RP1696	14	12.5	48	65-90
RP1697	20	18	60	15-35
RP1698	20	18	60	35-65
RP1699	20	18	60	65-90
RP1700	24	21.5	60	15-40
RP1701	24	21.5	60	35-65
RP1702	24	21.5	60	65-90

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.

Item #	Description	Qty
1	UPPER FEMALE	1
2	LOWER MALE	1



Set up Guide

Installation

Tools	- Pin Spanner (9.5mm ferrule = 3mm. 14-24mm ferrule =4mm) - Adjustable Spanner - Marine Sealant - Blue Loctite - Marker
Step	Instruction
Prepare	- Clean the deck area and mark out for the location of the ferrule bore - Check the customer drawing for the overall diameter of the female 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 - Structural sign off should be gained for the working load of the ferrule
Drill	- Check the padeye customer drawings for the female ① hole size. The receiving hole in the deck must be a tight fit to the body of the padeye (+/- 1mm ideally) - Ensure the above and below deck surfaces are parallel for even clamping across the padeye and nut area
Dry Fit	- Install the upper female ① into the deck to check fit and ensure it sits flush to the deck - From below; install the lower male ② and tighten ensuring there is at least 3 threads visible on the body, below the nut - Ensure the lower male ② is flush to the deck head and is in contact through out - Mark the thread on the body ① where the lower male ② sits when hand tight for Loctite application later in the install - Remove the assembly
Wet Fit	- Please follow the chosen sealant manufactures recommended preparation and application process - Ensure the bead of sealant sufficiently covers the upper female body ① - Insert the upper female body ① into the deck; ensure there is a complete seal between the body ① and the mounting surface - Apply Blue Loctite to the marked threads from the dry install - Using a pin spanner on the body ① above deck and adjustable spanner on lower male body ② below deck. Tighten the nut to ensure there is no displacement at the deck level, while under load - Ensure the female and male bodies are clamping to the deck material evenly - Allow sealant to fully cure before applying load the ferrule

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
	Inspect the surface of the ferrule, ensure the thread is tight and there is no movement in the components.
Offshore Sailing or 2 Months or 2500nm	Check for signs or wear and abrasions. If any visual observations lead to a question of strength the ferrule should be removed for full inspection
	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

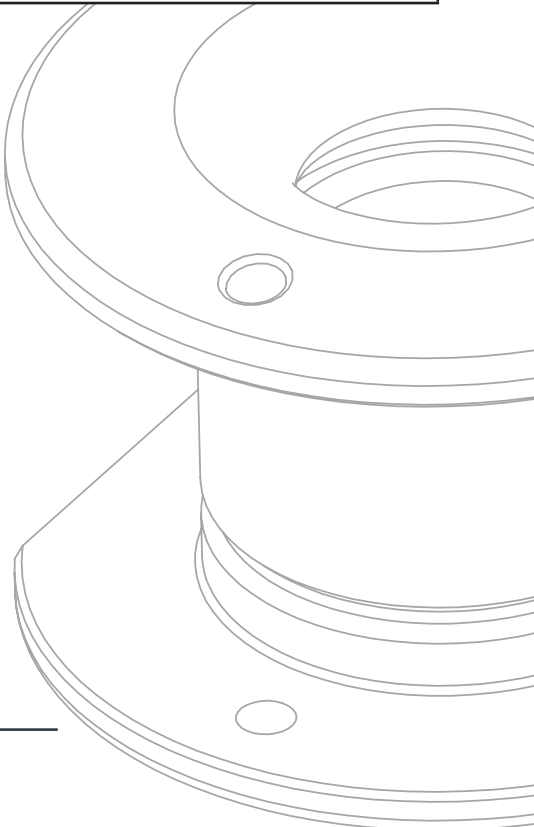
Important

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 ferrule or movement with in the install surface	Photograph and remove the ferrule if possible. If not clearly mark the ferrule as 'out of action'. Using dye pen where possible visually highlight deformity or crack propagation
Permanent deformity or signs of bending in the deck visible. Cracks propagating around padeye or mounting area		Stop using the ferrule. Remove ferrule completely and inspect the deck area. Obtain sign off from certified structural engineer and shipyard before reinstalling ferrule

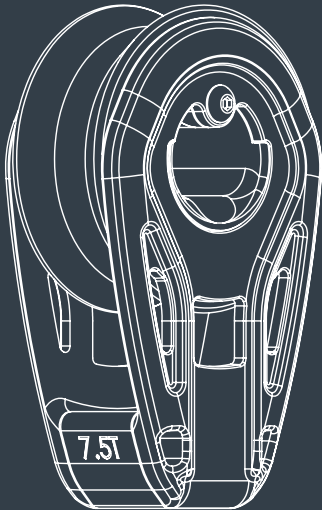
When the source of the original concern is found, refer to original photos to verify, this should be repaired and signed off by the vessels' Captain before reinstalling the ferrule as per the installation instructions.



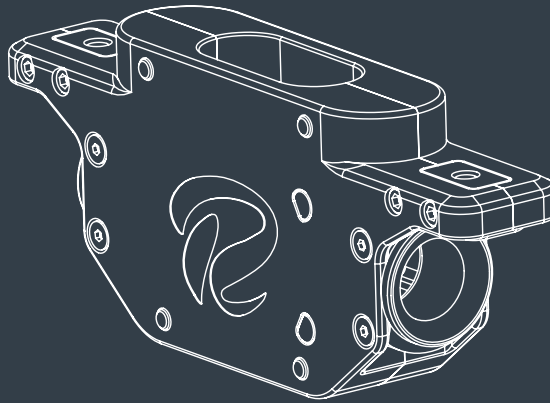
Customer Support

Info@riggingprojects.com

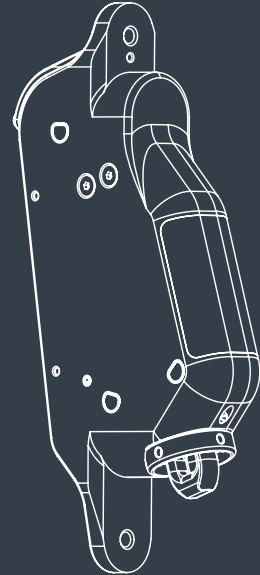
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X- Glide Range



Internal Lock Range



Fwd Lock Range

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

AHEAD OF THE CURVE