

Rigging Projects

Foot Block User Guide



RP4207- FB - UG - 01

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Introduction

This manual provides an overview of the Rigging Projects Foot Block 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 Foot Block 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. Care should be taken to position the foot block appropriately in respect to the line recoil angle. Failure to take safety precautions could lead to severe injury or death.

Key Design Features

- Built upon the S-Glide range offering the same high-end self-lubricating bearing sheaves with side ball bearings
- Wide sheave option to handle significant off-angle loads and allows for of multiple sheets to be led
- Low profile design and ultimate in lightweight performance

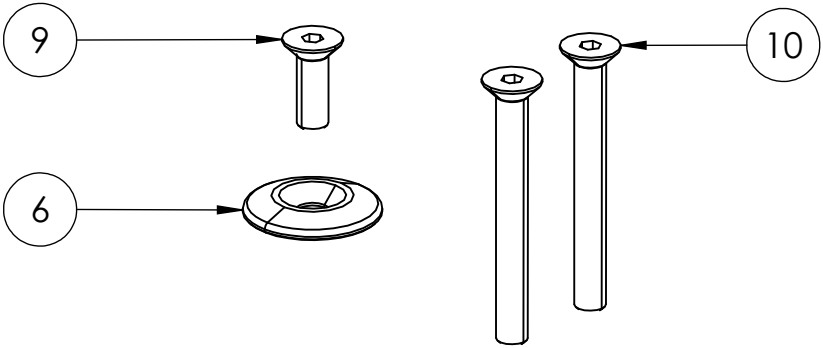
Range

Part #	Sheave Arrangement	MWL	Max. Line Ø (mm)	Sheave Ø (mm)	Deck Grip (mm)
RP2801	Single	3	14	62	20
RP3271	Wide	3	14	62	20
RP3272	Single	5	18	78	25
RP3273	Wide	5	18	78	25
RP3274	Single	7.5	20	92	30
RP1717	Wide	7.5	20	92	30
RP3275	Single	10	22	106	35
RP3276	Wide	10	22	106	35
RP3277	Single	12.5	24	120	40
RP3278	Wide	12.5	24	120	40

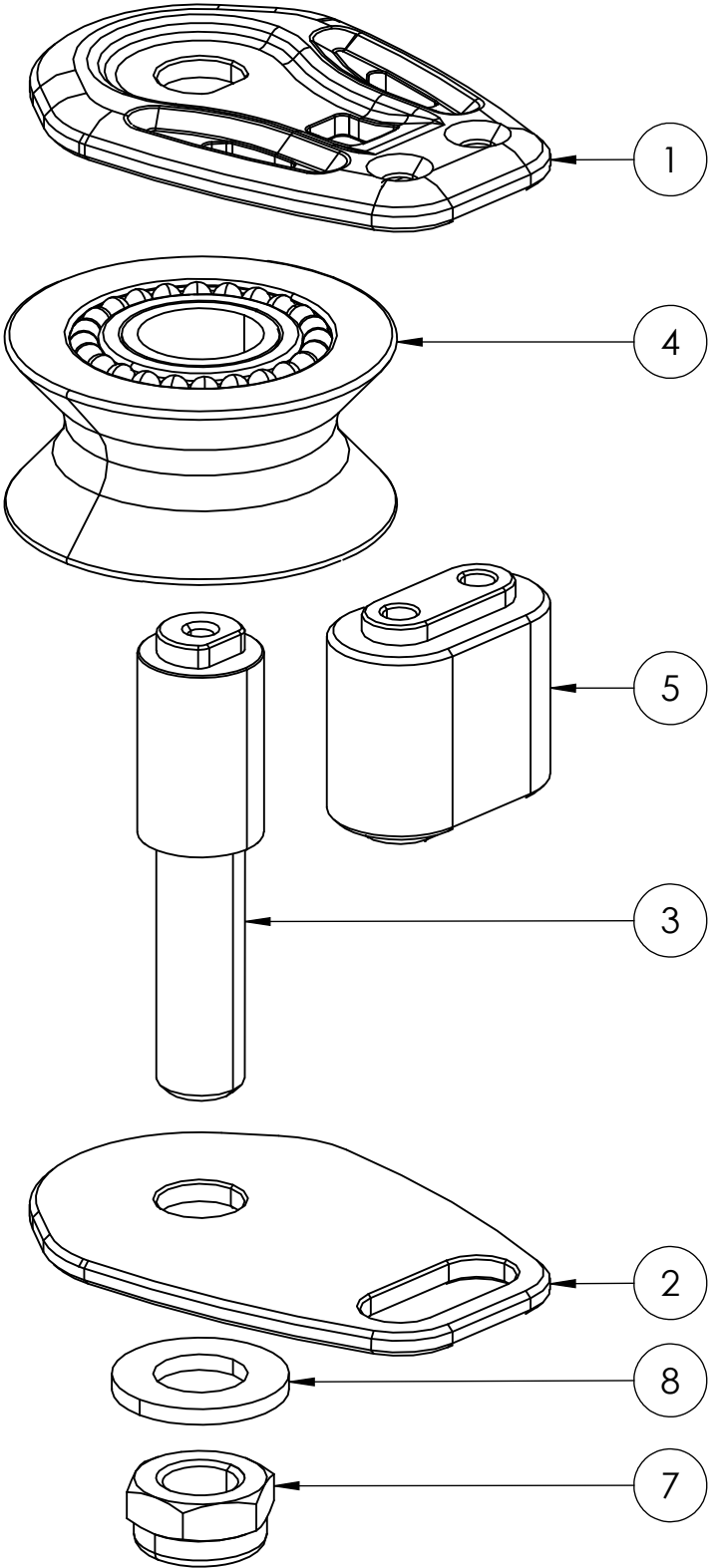
Disclaimer

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.

Global View



Item #	Description	Qty
1	UPPER PLATE	1
2	LOWER PLATE	1
3	SHEAR PIN	1
4	SHEAVE	1
5	SPACER	1
6	WASHER	1
7	PREVAILING TORQUE NUT	1
8	WASHER	1
9	SOCKET CSK HEAD SCREW	1
10	SOCKET CSK HEAD SCREW	2



Installation Guide

Tools	• Allan Keys • Sealant- non-bonding as footblock will be removed for servicing • 4mm mousing line • Marker • Blue Loctite and Tef-Gel
Step	Instruction
1	• Ensure the maximum working load of the footblock is rated to the resultant line load of the application before installing • Carefully consider the load direction that will act on the sheave • Structural sign off should be gained for the working load of the sheave box
2	1. Clean the deck area and mark out for the location of the foot block and the shear pin ③ 2. Use the customer drawing for the dimensions. 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. Please consult structural drawing for information. 3. The receiving hole in the deck must be a tight fit to the shear pin ③ (+/- 1mm ideally) 4. Ensure the above and below deck surfaces are parallel for even clamping across the lower plate ② and washer ⑧
3	1. Dry fit the shear pin ③ into the deck to check fit and ensure it sits flush to the deck 2. From below; install the washer ⑧ and secure with prevailing torque nut ⑦ ensuring there is at least three threads of the the shear pin ③ visible below the deck 3. Mark the thread on the shear pin ③ where the washer ⑧ sits when hand tight for Loctite application later in the install 4. Remove the assembly
4	1. Please follow the chosen sealant manufactures recommended preparation and application process 2. Ensure the bead of sealant sufficiently covers the lower plate ② 3. Ensure there is a complete seal between the lower plate ② and the mounting surface 4. Insert the shear pin ③ into the deck; apply blue Loctite to the marked threads 5. Secure the washer ⑧ and the prevailing torque nut ⑦ 6. Ensure the lower plate ② is clamping to the deck material evenly 7. Allow sealant to fully cure before applying load the sheave

Inspection Intervals

During each interval please carry out preceding inspection advisories

Interval	Advisories
Inshore Racing Daily Check	Visual inspection of the sheave for damage or sharp edges
	Visual inspection of the mouting area around the foot block for deformation
	Visual inspection of check plates and fasteners for deformation or signs of wear
	Visual inspection of control line for chaffing
Offshore Sailing or 2 Months or 2500nm	Fresh water rinse to remove salt and rope debris
Annual or 20,000nm	Remove foot block and dissassemble sheave for full inspection
2 years	Full inspection and service by Rigging Projects technician

Important

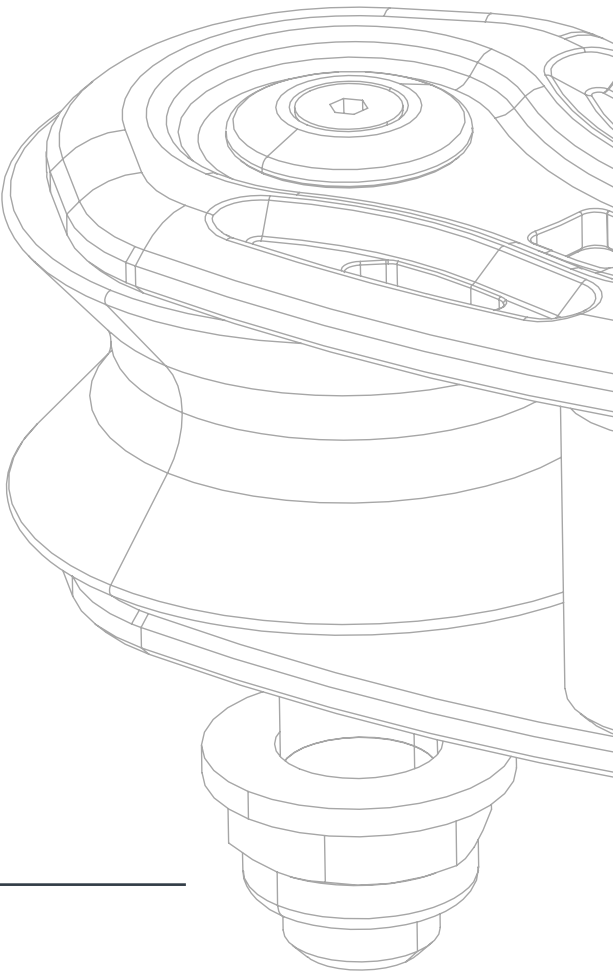
This product is design to be self lubricating. Please **do not attempt to lubricate** the sheave or apply any product to the internals as you will damage the mechanism.

Trouble Shoot

Problem	Probable Cause	Solution
Rattling or scraping sound coming from sheave	Broken bearing	Using a tray to disassemble the foot block to ensure the contents are not lost, inspect all the component for damage
	Debris in chamber	Using a tray to disassemble the foot block to ensure the contents are not lost, inspect and clean components with fresh water

Important

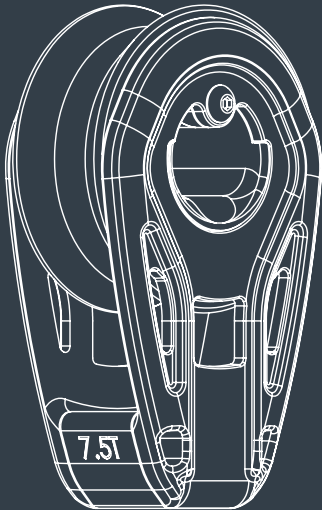
Rigging Projects equipment is designed for minimal maintenance, but some maintenance is required for optimum and safest possible operation and to comply with the Rigging Projects limited warranty. In general, the most important aspect of maintenance is to keep your equipment clean by frequently flushing 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.



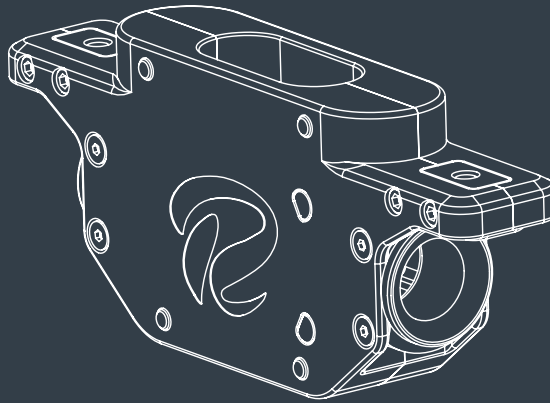
Customer Support

Info@riggingprojects.com

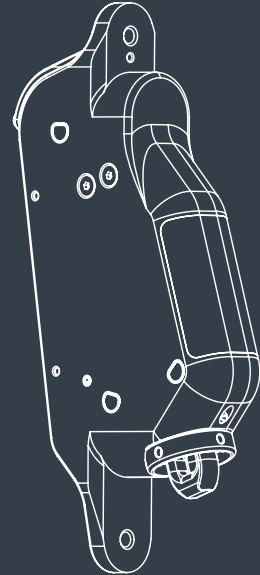
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X- Glide Range



Internal Lock Range



Fwd Lock Range

Newport RI, USA

Southampton, UK

Zaandam, Netherlands

Palma de Majorca, Spain

AHEAD OF THE CURVE

- Project Management
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- Service
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