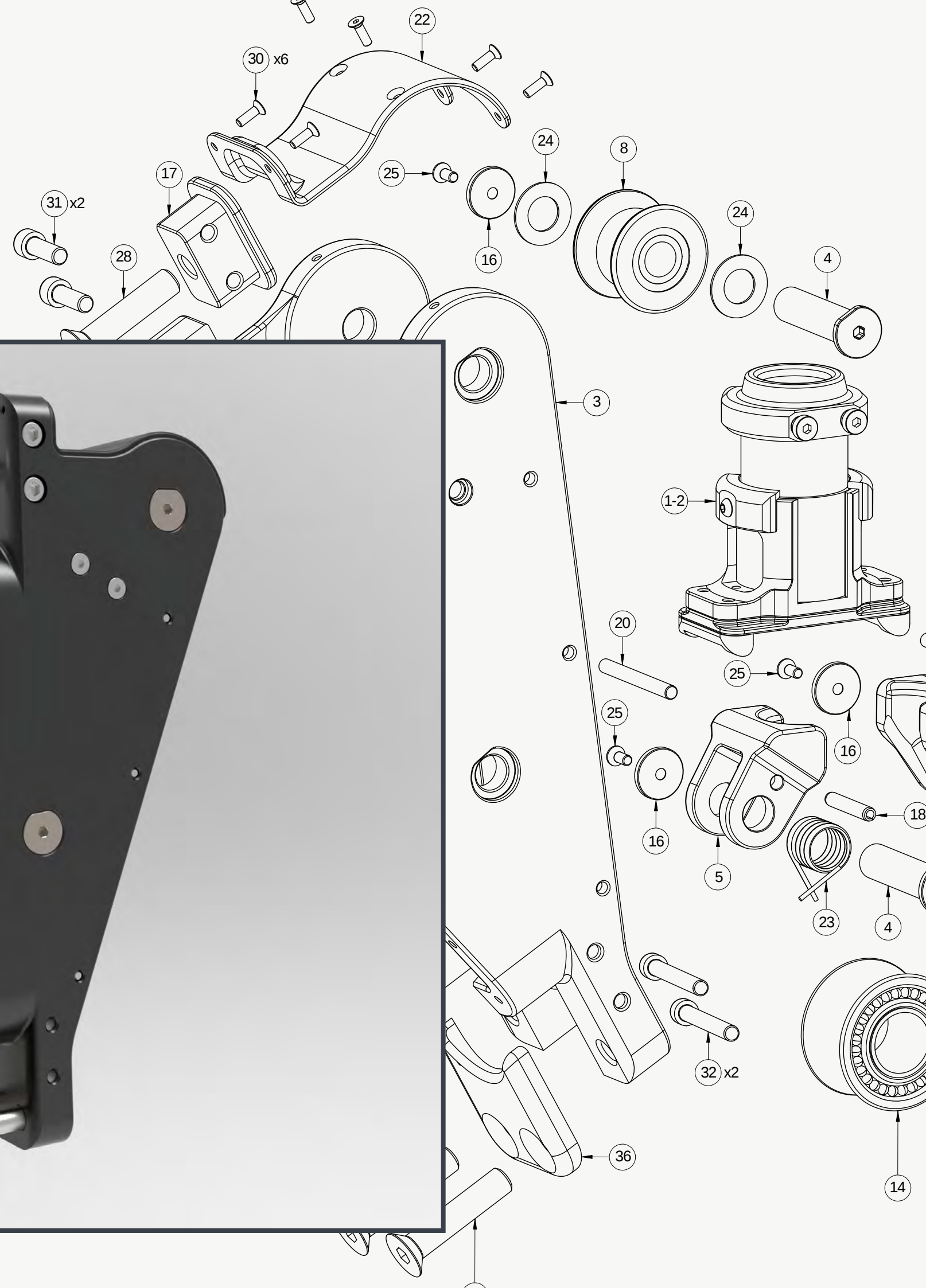


INTERNAL LOCKS



Textile
Packages

Bespoke
Consultation

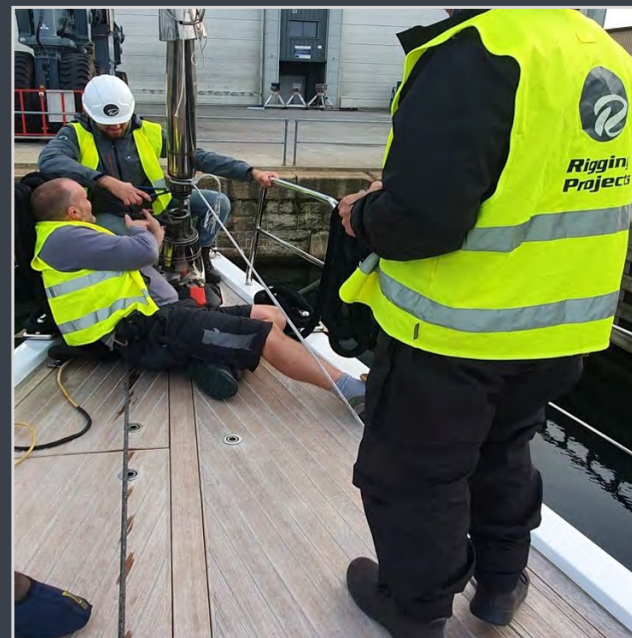
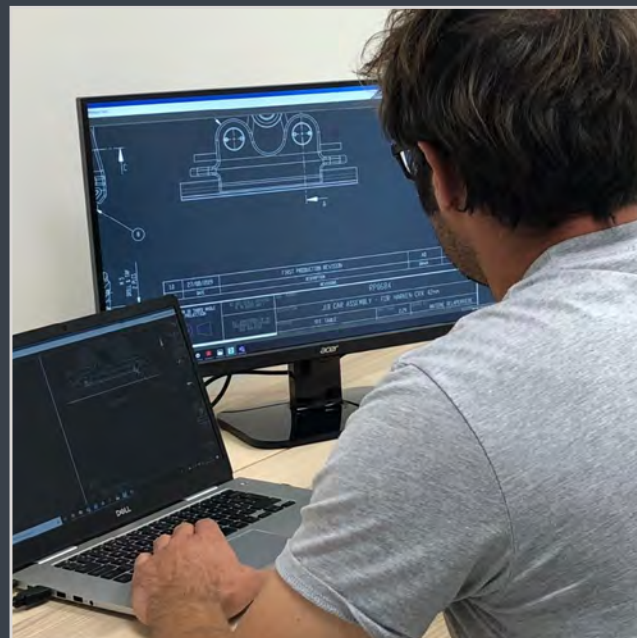
Custom
Hardware

Onsite
Services

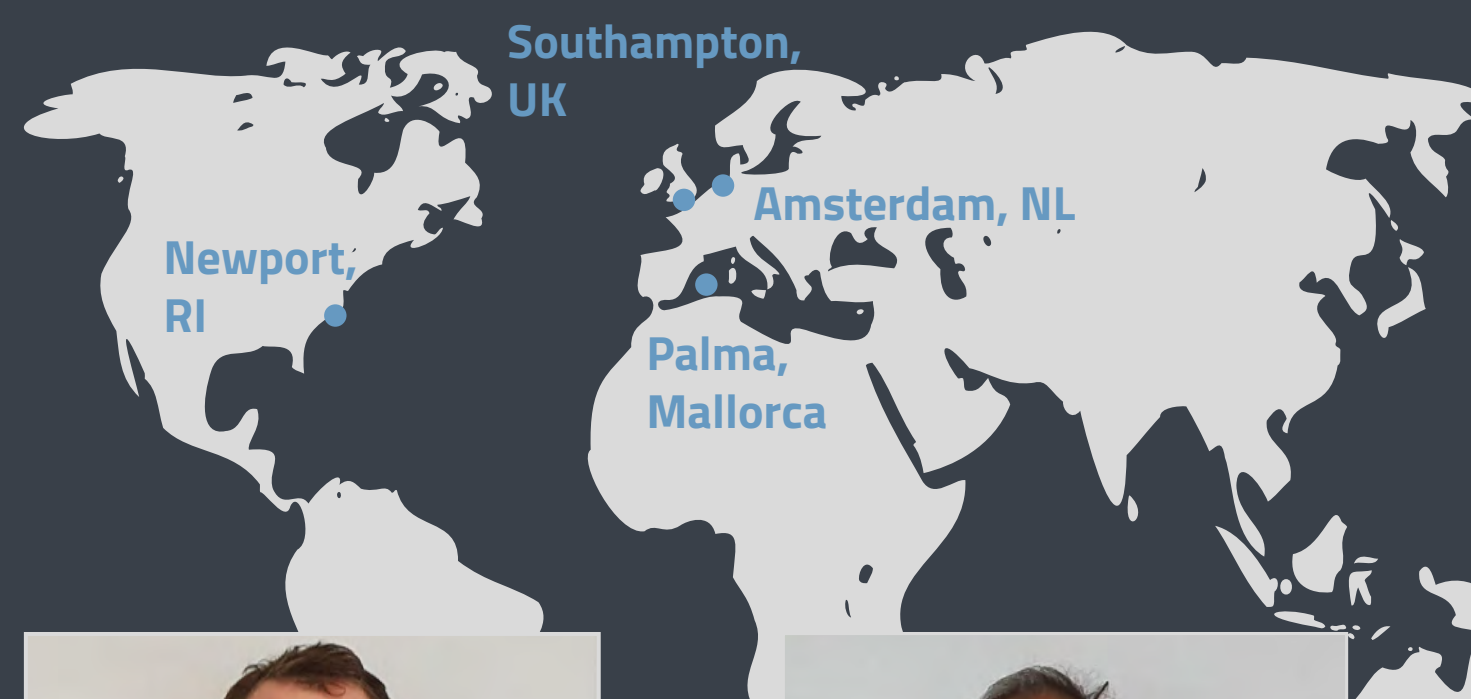
Who Are We

Rigging Projects Group is a multifaceted business, established in 2014, focused on supplying world class sail handling solutions from design through to integration and life-time service.

Our people are our strength. From design to production, our 25 strong team boasts a host of different nationalities and backgrounds. Diversity is key to our success, and we have everything from school graduates to ex. F1 designers to America's Cup sailors.



Our Team



Nick Black

- Partner

A qualified naval architect, specialising in the field of composite rig design and advanced mechanical engineering. Before joining Rigging Projects in 2015, Nick worked with Future Fibres as Team Design Leader, managing both performance multi & mono-hull mast and rigging projects from inception through to sea-trial. Previous to this he ran and project managed multiple offshore race programs specialising in deck and systems design.



Tobias Hochreutener

- Partner

The founder of Rigging Projects, Tobias, worked as Technical Sales Manager for many years at one of the largest pioneering rigging manufacturers before setting out to create an independent and unbiased rigging business in 2014. He is involved with leading race teams, from the America's Cup to the Maxi circuit, as well as sailing on super yachts and single handed racing. Tobias is vastly experience on both sides of the sales and purchasing transaction.



Scott Gray

- Partner

Scott is our running rigging specialist now heading up our Netherlands office. Beginning his career as a composite mast builder at Southern Spars, he then worked with 3 Volvo Ocean Race teams, including 2012 winner Groupama. In the 2014/15 edition of the race he supplied running rigging to the entire fleet as the one design supplier.



Miles Amin

- Sales Manager

With over 35 years' experience in the marine industry Miles brings a unique understanding of our clients' needs and expectations, along with a deeply rooted technical rigging background. Having been a key figure for many years at one of our partners, Future Fibres, Miles' experience and reputation is well known and respected across the industry.



Internal Lock Range

	2.5T	5T	8T	10T	12T	15T	20T	30T	40T	50T	60T
Bayonet Lock		●	●	●	●	●	●	●	●		
Internal Bullet Lock	●	●	●	●	●	●	●				
Internal Bullet Lock w/ Sheave	●	●	●	●	●	●					
Idler Sheave Lock						●	●	●	●	●	●

Bespoke sizing available upon request

KEY DESIGN FEATURES

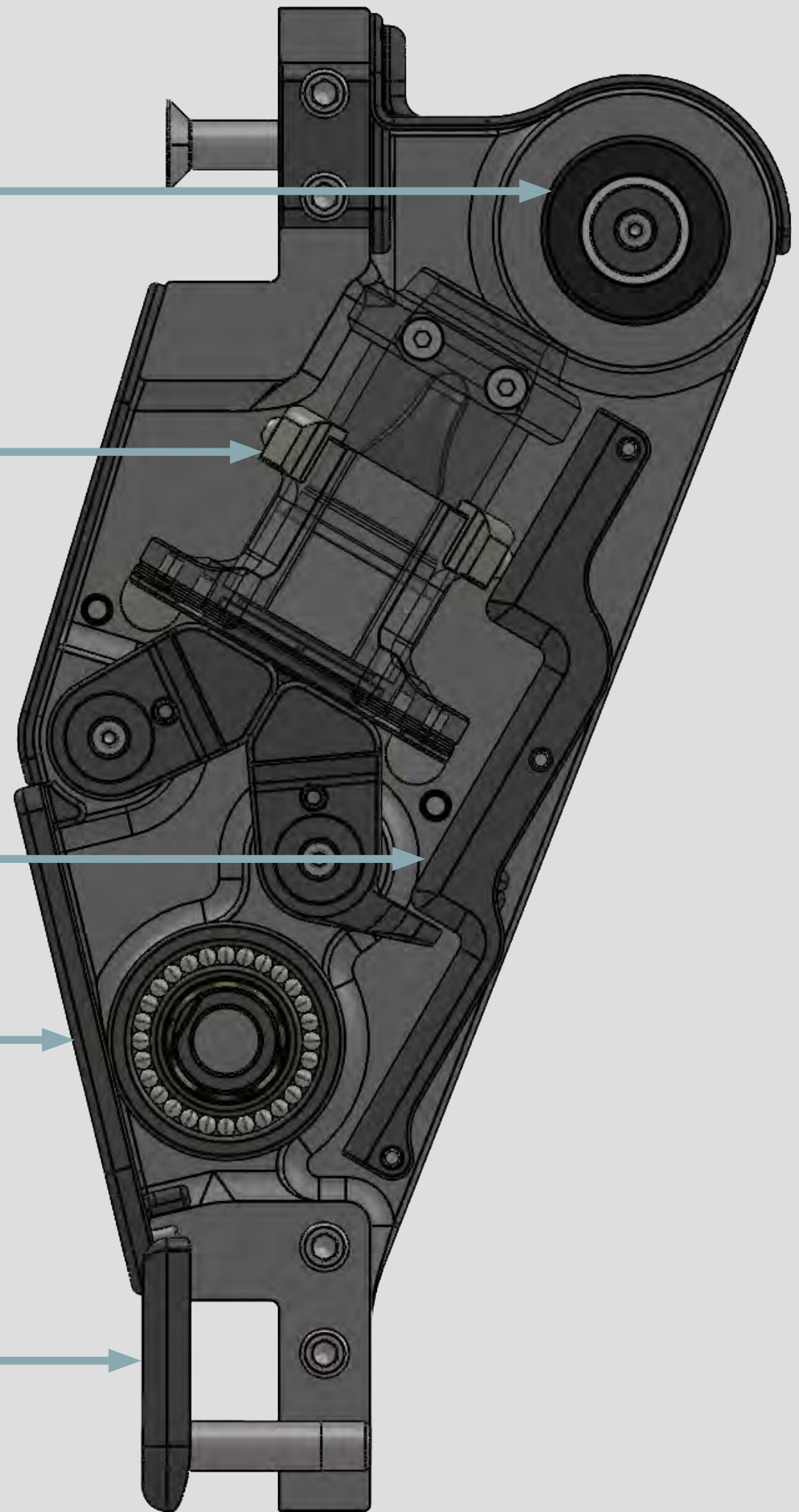
Various Sheave
Options Available

Patented Auto Lock
Mechanism

Proximity Sensor
Ready

Low Profile
Lock Body

Integrated
Cassette Design



Bayonet Lock

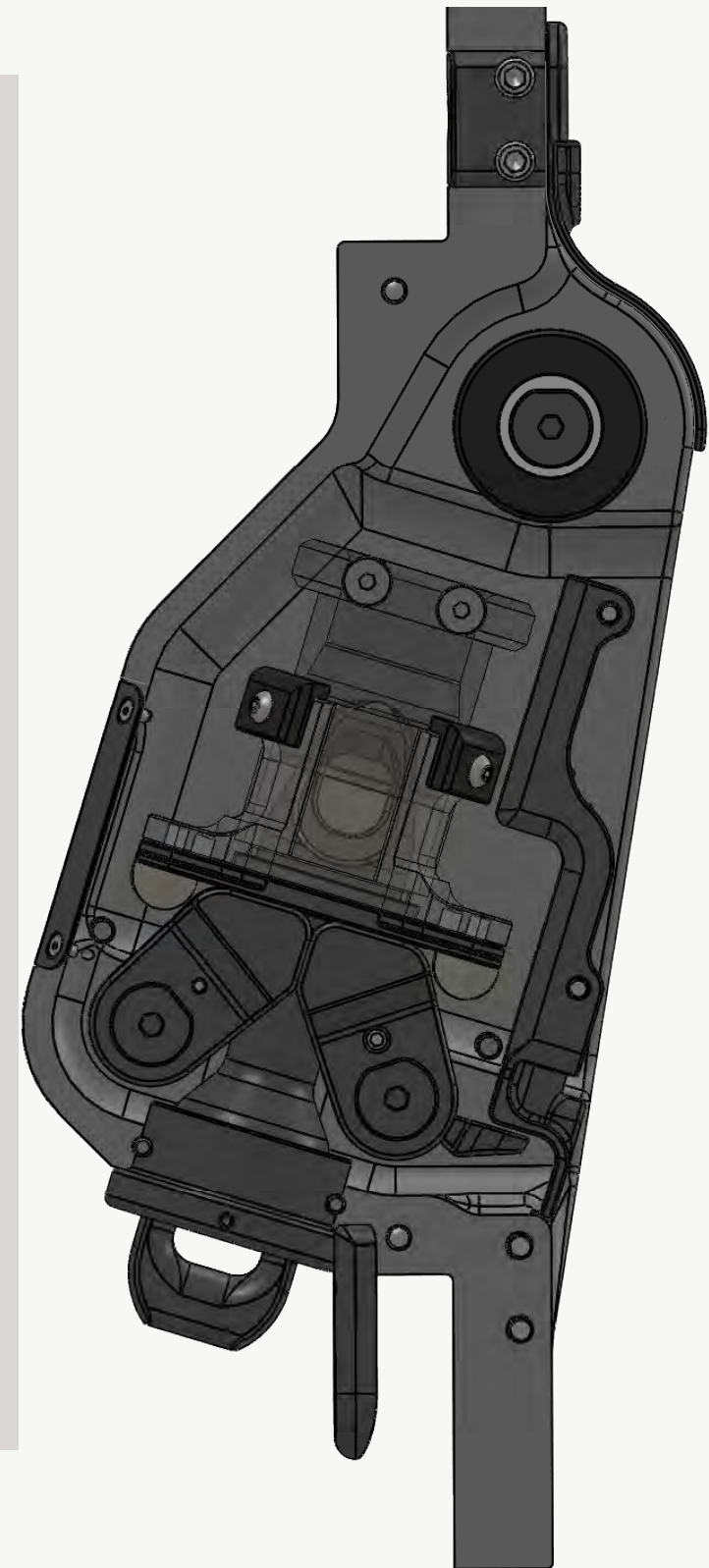


Key Design Features

- Internal mounted bayonet lock is our standard lock solution for cruising boats
- Ideal application for luff cabled sails where there is less misalignment
- The generous eye in the bayonet allows for lock stop – which are inherently hard working on these types of locks – to be replaced easily in the field
- Fully automated so no trip lines are required
- Integrated cassette housing to enable efficient installation and servicing
- Proximity sensor ready
- Load sensing available

Application

- Tight luff sails



Idler Sheave Bullet Lock

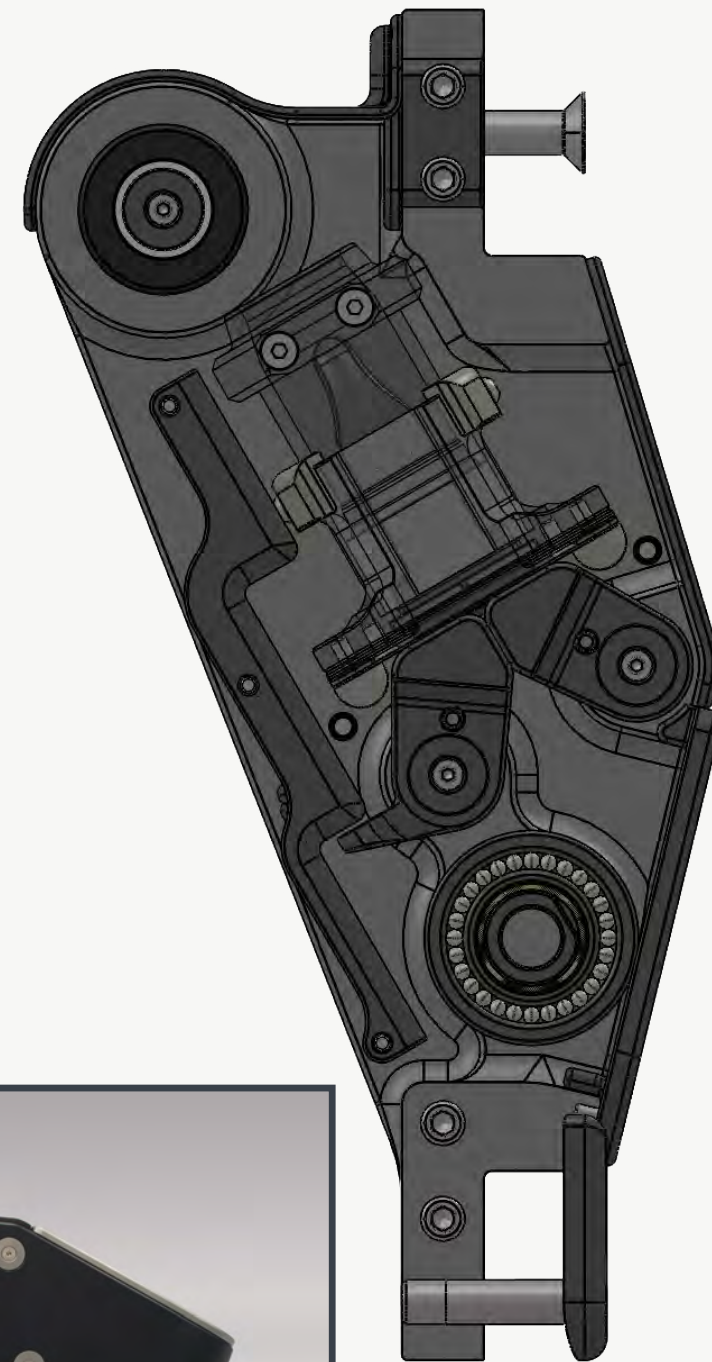
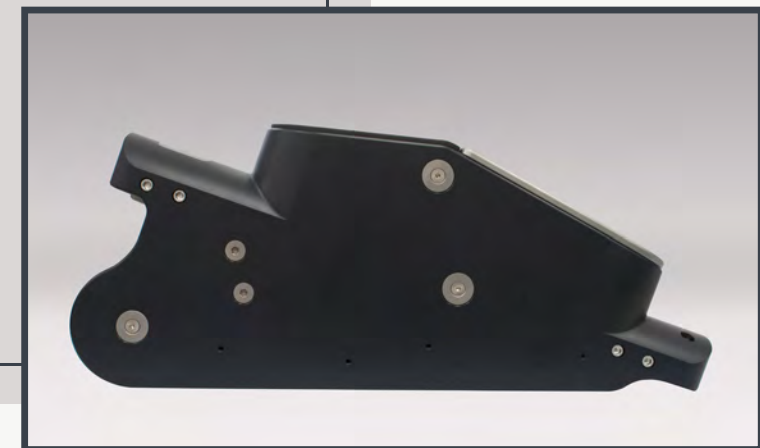


Key Design Features

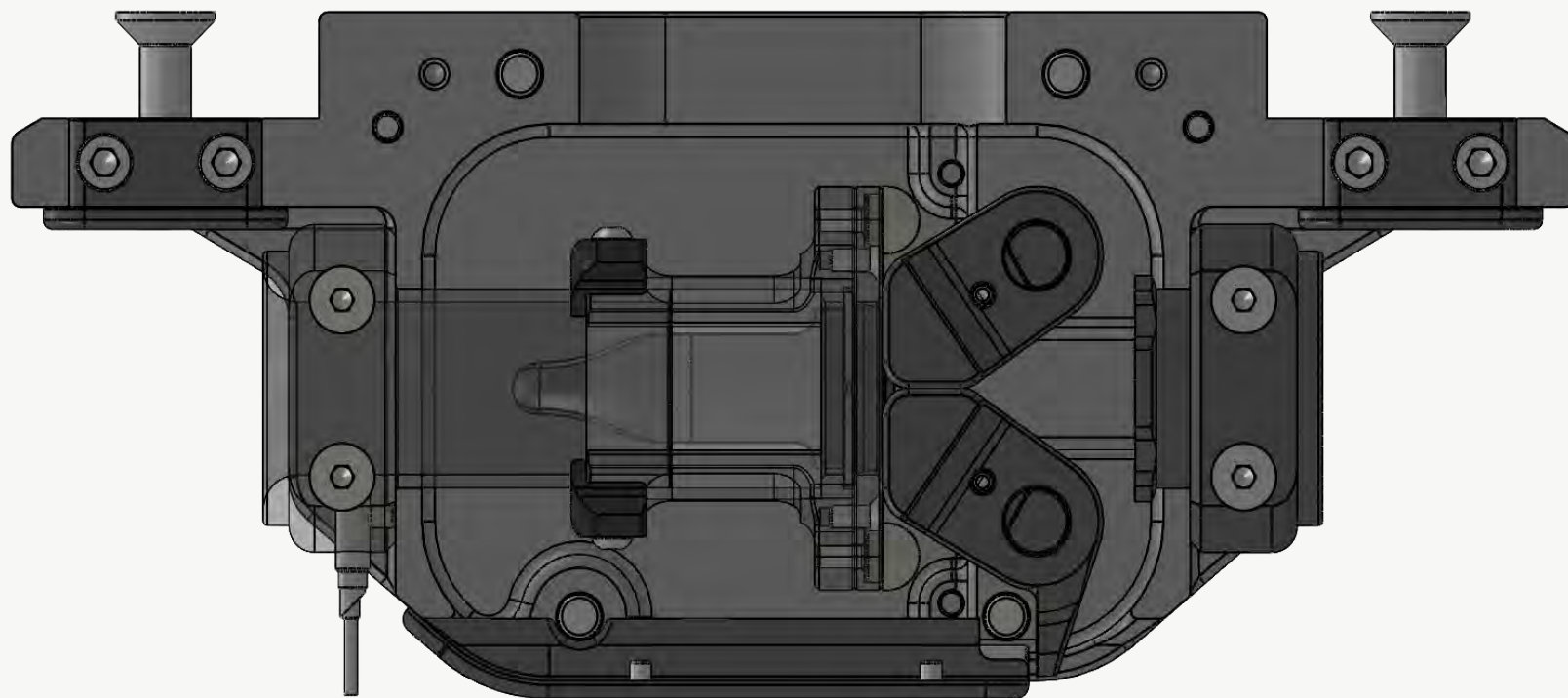
- Designed with larger boats in mind
- For loads of 20T and above where the reaction loads between the internal bullet lock and sheave would be too high
- Titanium lower sheave to take any vector load angle from 10 to 35 degrees to the deck, meaning that installation angle is not as critical
- The low profile body minimises the protrusion out of the mast, therefore reducing potential head sail leech damage
- Proximity sensor ready
- Load sensing available

Applications

- Asymmetric loose luff sails
- Luff sail lock



Internal Bullet Lock



Key Design Features

- Full over-hoist capability
- Fully automated, not trip line required
- Aluminium drop-in cassettes
- Ideal where space is of a premium due to its ergonomic design and ability to be mounted anywhere, inline of the load path
- Proximity sensor ready
- Integrated cassette housing to enable efficient installation and servicing

Applications

- Asymmetric loose luff sails
- Luff sail lock
- Reef boom lock

Internal Bullet Lock with Sheave

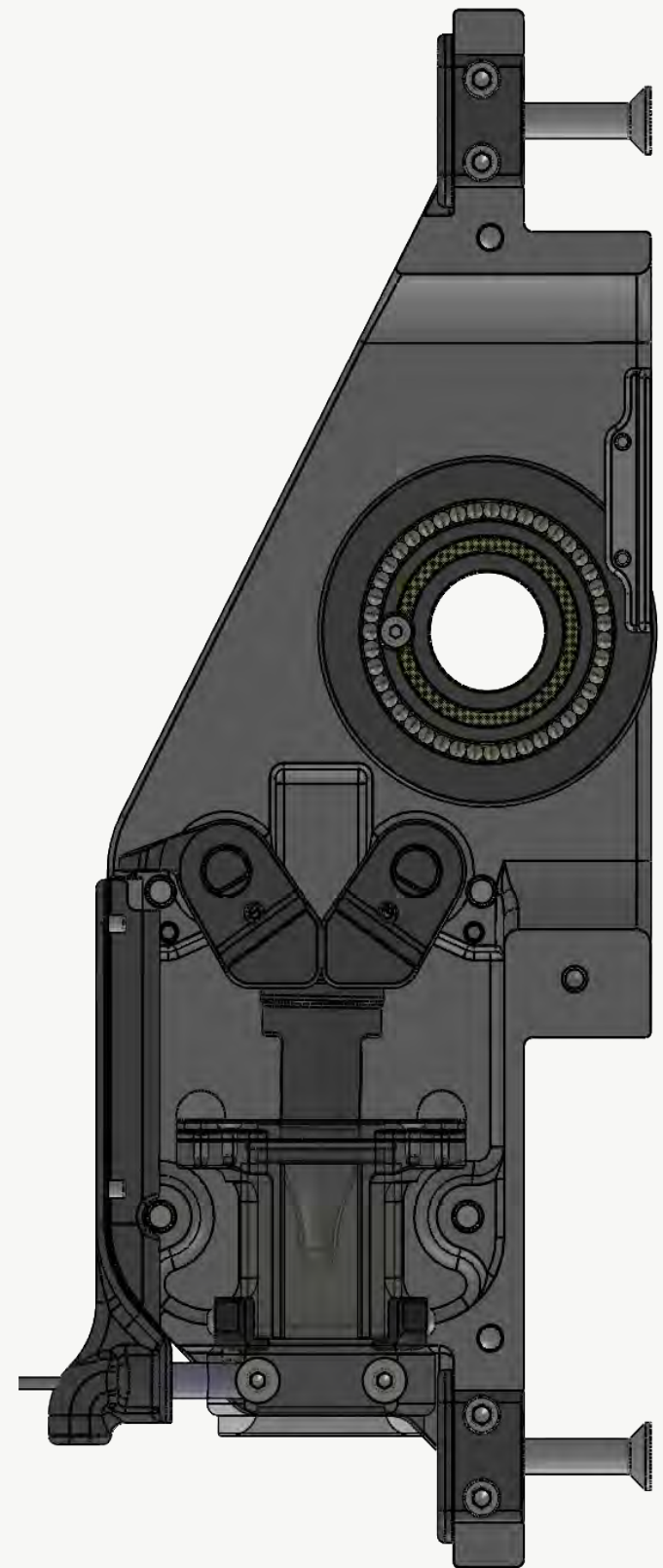


Key Design Features

- Drop-in cassette with the sheave and locking mechanism in one package
- Fully automatic locks, which don't require any trip lines
- Optimised aluminium housing and hence extremely lightweight
- Proximity sensor ready
- Low profile housing protruding from mast face

Applications

- Asymmetric loose luff sails
- Luff sail lock
- Reef boom lock



Auto Lock Mechanism

This unique design allows for a tripless line lock mechanism in a bullet lock. This is achieved by using a similar mechanism to the proven technology Rigging Projects developed for the flipper activator mechanism in our locking headboard cars.

Not only does the overall design lead to one of the lightest systems on the market it also allows for the same working mechanism to be used in external spigot locks or internal bullet locks, ensuring the simplicity of a single maintenance program throughout all your lock systems.



Proximity Sensor Kit



The addition of Proximity Sensors ensures piece of mind throughout the locking procedure providing a notification of when the bullet/spigot reaches the over hoist position and once it has reached the on-lock position.

Click or Scan
for Demo



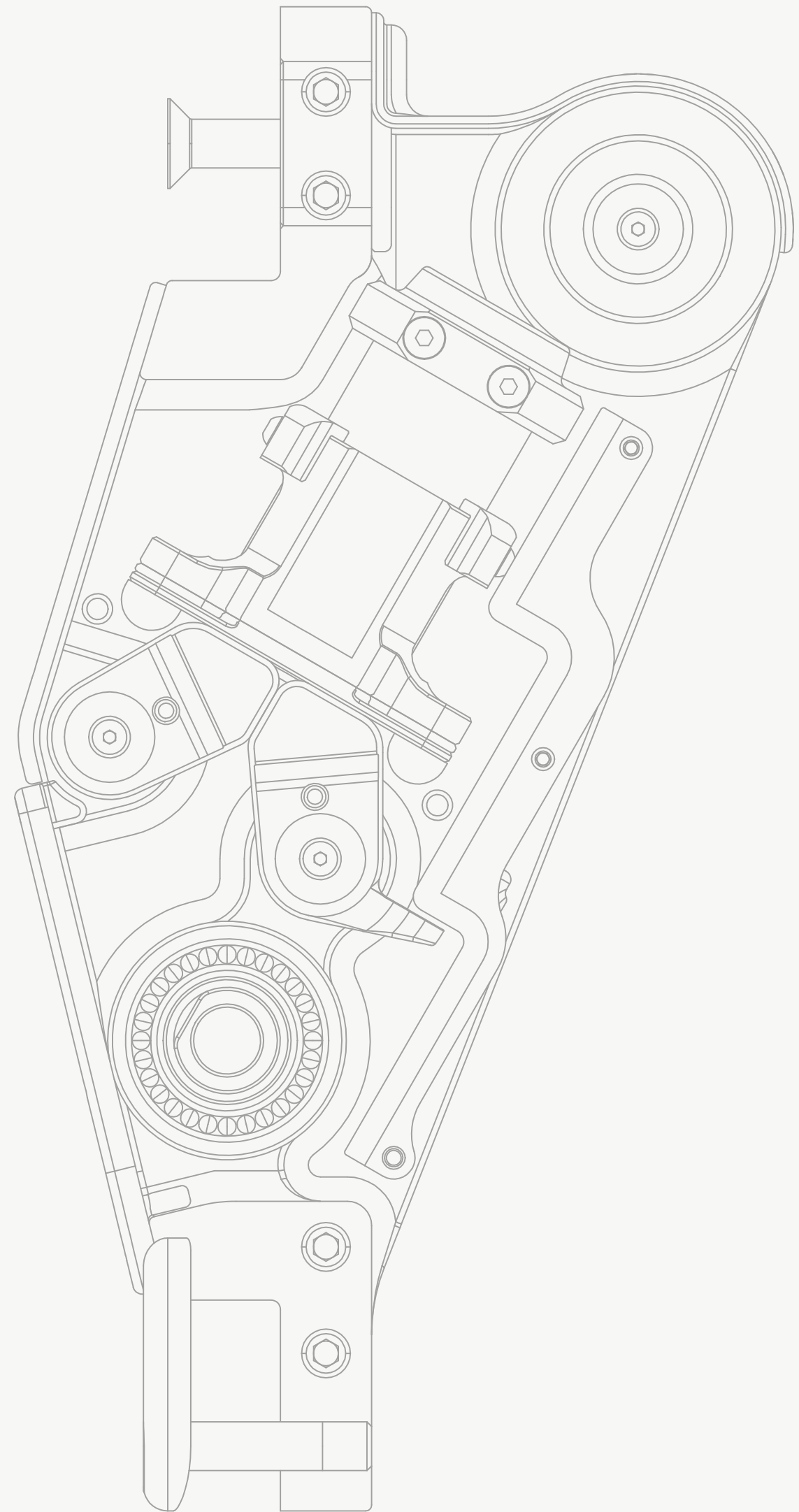
How the Proximity Sensor Kit Works

On Lock:

1. Hoist halyard
2. Bullet engages with internal snap ring inside the locking ring carriage
3. Position sensor signals over hoist position
4. Ease halyard
5. Locking ring carriage engages pawls
6. Activator Tab on pawl engages with position sensor to indicate the bullet is on lock

Off Lock:

1. Overhoist slightly by up to 25mm and the pawls retract
2. Ease the halyard to drop the sail





LOCK MATRIX

Monohull



Performance Cruiser

<60ft

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO
MAIN	4T			
A2/A3	2.5T	SHEAVE BULLET LOCK		MANUAL
MAST HEAD O	5T	SHEAVE BULLET LOCK		MANUAL
FRACTIONAL O	5T	SHEAVE BULLET LOCK		MANUAL
JIB LOCK	2.5-5T	SHEAVE BULLET LOCK		MANUAL
INNER FORESTAY	5T-8T	FWD LOCK	IDLER SHEAVE LOCK	MANUAL
STROM JIB	5T	FWD LOCK	IDLER SHEAVE LOCK	MANUAL
REEF	2.5T-5T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	MANUAL
DECK LOCK	2.5T	DECK LOCK		MANUAL
RUNNER LOCK	5T	DECK LOCK		MANUAL

Performance Cruiser

60 - 75ft

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO
MAIN	4-8T			
A2/A3	2.5T	SHEAVE BULLET LOCK		MANUAL
MAST HEAD O	5T	SHEAVE BULLET LOCK		MANUAL
FRACTIONAL O	8T	SHEAVE BULLET LOCK		MANUAL OR AUTO
JIB LOCK	5T-8T	SHEAVE BULLET LOCK		MANUAL OR AUTO
INNER FORESTAY	8T-12.5T	FWD LOCK	IDLER SHEAVE LOCK	MANUAL OR AUTO
STROM JIB	8T-12.5T	FWD LOCK	IDLER SHEAVE LOCK	MANUAL OR AUTO
REEF	5-8T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO
DECK LOCK	5-8T	DECK LOCK		MANUAL
RUNNER LOCK	5-8T	DECK LOCK		MANUAL

Performance Cruiser

75 - 100ft

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO	COMMENTS
MAIN	8-12T				
A2/A3	5T-8T	SHEAVE BULLET LOCK		MANUAL	
MAST HEAD 0	8T-12.5T	SHEAVE BULLET LOCK		MANUAL	
FRACTIONAL 0	12.5T-20T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	
JIB LOCK	8T-12.5T	SHEAVE BULLET LOCK	INTERNAL BULLET LOCK	AUTO OR MANUAL	IF FURLING GO AUTO
INNER FORESTAY	12.5T-20T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	IF PERMANENT HOISTED FWD LOCK, IF UP AND DOWN GO IDLER
STROM JIB	12.5T-20T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	IF PERMANENT HOISTED FWD LOCK, IF UP AND DOWN GO IDLER
REEF	8-12T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO	
DECK LOCK		DECK LOCK		MANUAL	
RUNNER LOCK		DECK LOCK		MANUAL	

Superyacht

100- 125ft

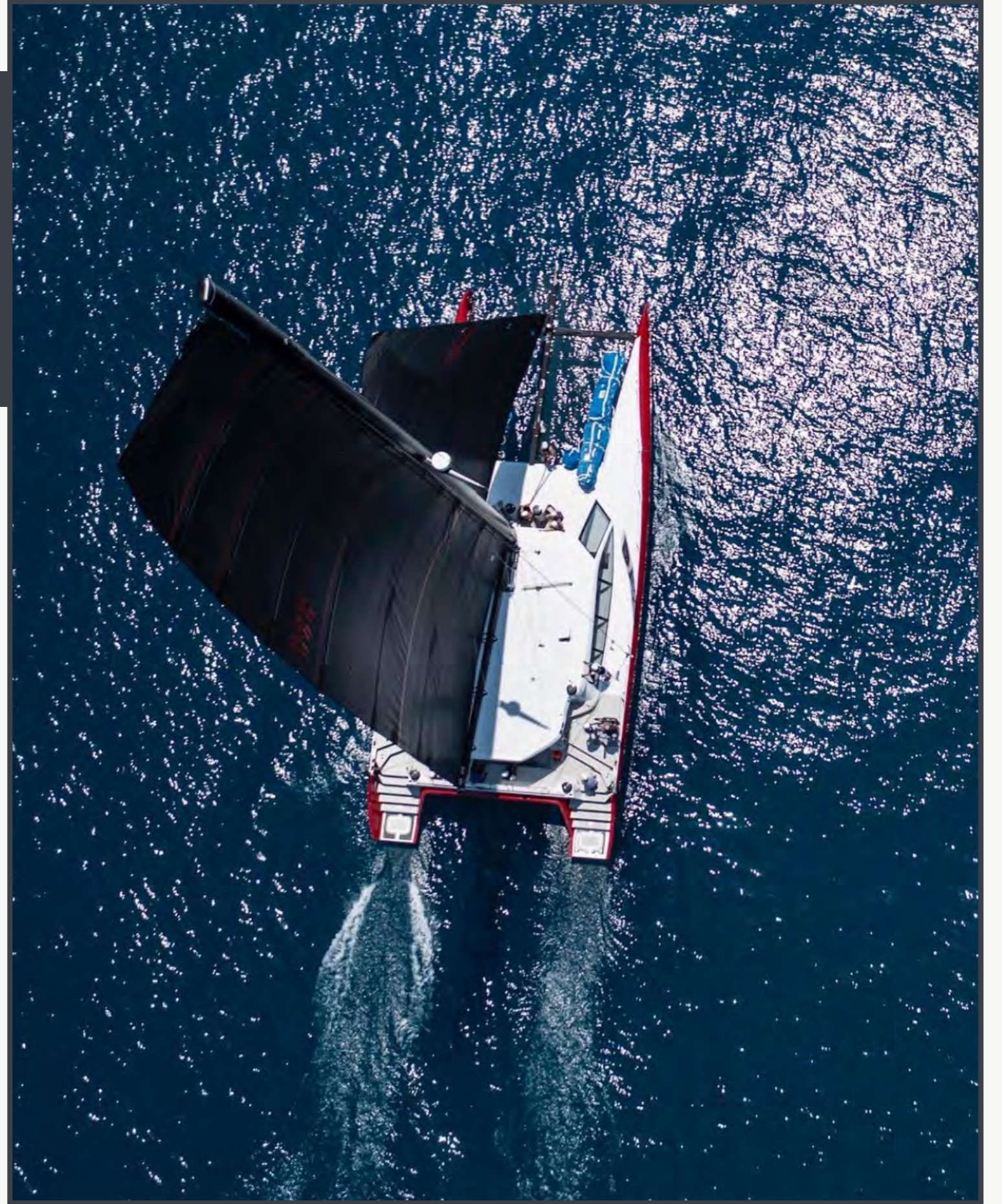
	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO	COMMENTS
MAIN	12-18T				
A2/A3	8T-12T	SHEAVE BULLET LOCK		MANUAL	
MAST HEAD O	12.5T-20T	SHEAVE BULLET LOCK		MANUAL	
FRACTIONAL O	20T-30T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	
JIB LOCK	15T-25T	SHEAVE BULLET LOCK	INTERNAL BULLET LOCK	AUTO OR MANUAL	IF FURLING GO AUTO
INNER FORESTAY	20-30T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	IF PERMANENT HOISTED FWD LOCK, IF UP AND DOWN GO IDLER
STROM JIB	20-35T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	IF PERMANENT HOISTED FWD LOCK, IF UP AND DOWN GO IDLER
REEF	12T-18T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO	
DECK LOCK		DECK LOCK		MANUAL	
RUNNER LOCK		DECK LOCK		MANUAL	

Superyacht

125ft +

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO	COMMENTS
MAIN	24T+ TWIN PAWL				
A2/A3	12T-15T	SHEAVE BULLET LOCK		AUTO	
MAST HEAD O	20-30T	IDLER SHEAVE LOCK		AUTO	
FRACTIONAL O	30T-50T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	
JIB LOCK	20T-40T	IDLER SHEAVE LOCK	INTERNAL BULLET LOCK	AUTO OR MANUAL	IF FURLING GO AUTO
INNER FORESTAY	30T-60T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	IF PERMANENT HOISTED FWD LOCK, IF UP AND DOWN GO IDLER
STROM JIB	30T-60T	FWD LOCK	IDLER SHEAVE LOCK	AUTO	IF PERMANENT HOISTED FWD LOCK, IF UP AND DOWN GO IDLER
REEF	20T+	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO	
DECK LOCK		DECK LOCK		MANUAL	
RUNNER LOCK		DECK LOCK		MANUAL	

Multihull



Multi Hull

<50ft

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO
MAIN	4T			
A2/A3	2.5T	SHEAVE BULLET LOCK		MANUAL
MAST HEAD O	5T	SHEAVE BULLET LOCK		MANUAL
FRACTIONAL O	5T	FWD LOCK		MANUAL
JIB LOCK	2.5-5T	SHEAVE BULLET LOCK		MANUAL
INNER FORESTAY	5T-8T	FWD LOCK	IDLER SHEAVE LOCK	MANUAL
STROM JIB	5T	FWD LOCK	IDLER SHEAVE LOCK	MANUAL
REEF	2.5T-5T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	MANUAL
DECK LOCK		DECK LOCK		MANUAL

Multi Hull

50- 70ft

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO
MAIN	4-12T			
A2/A3	2.5T	SHEAVE BULLET LOCK		MANUAL
MAST HEAD O	5T	SHEAVE BULLET LOCK		AUTO OR MANUAL
FRACTIONAL O	8T	FWD LOCK		AUTO OR MANUAL
JIB LOCK	5T-8T	SHEAVE BULLET LOCK		AUTO OR MANUAL
INNER FORESTAY	8T-12.5T	FWD LOCK	IDLER SHEAVE LOCK	AUTO OR MANUAL
STROM JIB	8T-12.5T	FWD LOCK	IDLER SHEAVE LOCK	AUTO OR MANUAL
REEF	5-8T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO
DECK LOCK		DECK LOCK		MANUAL

Multi Hull

70 - 100ft

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO
MAIN	15T-24T			
A2/A3	8T-12T	SHEAVE BULLET LOCK		MANUAL
MAST HEAD O	12.5T-20T	SHEAVE BULLET LOCK	FWD LOCK	AUTO OR MANUAL
FRACTIONAL O	20T-30T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
JIB LOCK	15T-25T	SHEAVE BULLET LOCK	FWD LOCK	AUTO OR MANUAL
INNER FORESTAY	20-30T	IDLER SHEAVE LOCK	LOCK	AUTO OR MANUAL
STROM JIB	20-35T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
REEF	12T-18T	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO
DECK LOCK		DECK LOCK		MANUAL

Multi Hull

100ft +

	SIZE	RECOMMENDED LOCK	ALTERNATIVE OPTION	MANUAL OR AUTO
MAIN	24T+			
A2/A3	12T-30T	IDLER SHEAVE LOCK		AUTO
MAST HEAD O	20-30T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
FRACTIONAL O	30T-50T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
JIB LOCK	20T-40T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
INNER FORESTAY	30T-60T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
STROM JIB	30T-60T	IDLER SHEAVE LOCK	FWD LOCK	AUTO OR MANUAL
REEF	20T+	INLINE BULLET LOCK	SHEAVE BOXES AT BACK OF BOOM	AUTO
DECK LOCK		DECK LOCK		MANUAL

Specifications



Internal Bullet Lock with Sheave

Sheave Bullet Lock

Part no.	MWL (T)	Weight (kg)	Max Halyard Ø (mm)	Bullet Weight (kg)	Bullet Ø	Strop Ø (mm)
RP1592	2.5	1.06	6	0.02	20	12
RP1748	5	1.8	8	0.04	26	16
RP1753	8	3.04	10	0.08	32	20
RP1758	10	4.35	10	0.12	35	22
RP1759	12	5.7	12	0.15	39	26
RP1760	15	6.8	14	0.21	45.5	28

Limited to 15T for load reasons on composite structures



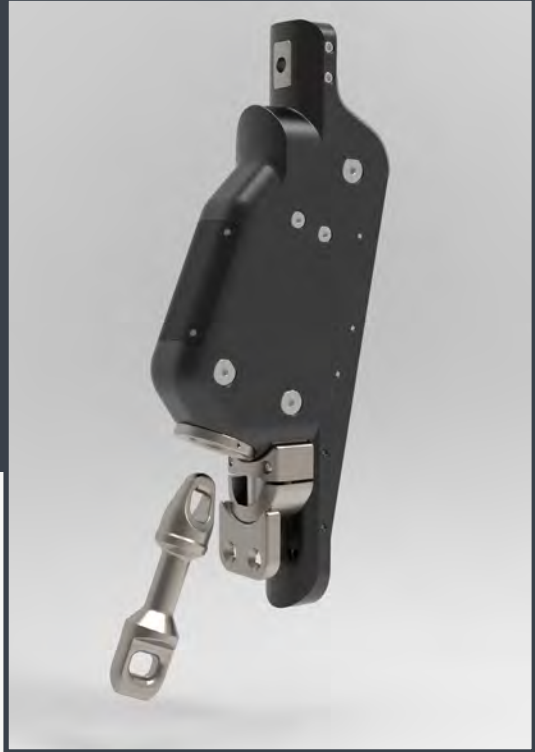
Internal Bullet Lock



Inline Bullet Lock

Part no.	MWL (T)	Weight (kg)	Max Halyard Ø (mm)	Bullet Weight (kg)	Bullet Ø	Strop Ø (mm)
RP1279	2.5	0.9	6	0.02	20	12
RP1219	5	1.52	8	0.04	26	16
RP1254	8	2.55	10	0.08	32	20
RP1255	10	3.65	10	0.12	35	22
RP1256	12	4.85	12	0.15	39	26
RP1257	15	5.8	14	0.21	45.5	28
RP1258	20	11.65	14	0.31	48	32

Forward Lock w/ Bayonet



Bayonet Lock

Part no.	MWL (T)	Weight (kg)	Max Halyard Ø (mm)	Bullet Weight (kg)	Bullet Ø	Strop Ø (mm)
RP1246	2.5	0.7	6	0.09	20	AOR
RP1153	5	1.19	8	0.13	26	AOR
RP1110	8	1.98	10	0.22	32	AOR
RP1247	10	2.8	10	0.34	35	AOR
RP1248	12	3.78	12	0.45	39	AOR
RP1249	15	4.4	12	0.56	45.5	AOR
RP2622	20	8.01	14	0.91	48	AOR
RP1251	25	AOR	AOR	AOR	AOR	AOR
RP2936	30	AOR	AOR	AOR	AOR	AOR
RP2802	40	35	AOR	AOR	AOR	AOR

AOR- Available on request

Idler Sheave Lock

Bullet Lock



Part no.	MWL (T)	Weight (kg)	Max Halyard Ø (mm)	Bullet Weight (kg)	Bullet Ø	Strop Ø (mm)
RP3140	15	6.8	14	AOR	45.5	28
RP1260	20	8.2	16	AOR	48	32
RP1259	25	11.3	18	AOR	54.5	36
RP3084	30	13.47	20	AOR	61	40
RP3141	40	35	24	AOR	74	48
RP3142	50	32	28	AOR	84	56
RP3085	60	42	30	AOR	94	60

Deck Mounted Lock



Deck Lock

Part no.	MWL (T)	Weight (kg)	Max Halyard Ø (mm)	Bullet Weight (kg)	Bullet Ø	Strop Ø (mm)
RP3293	5	1.6	8	0.04	26	16
RP2207	8	2.4	10	0.08	32	20
RP1758	10	4.35	10	0.12	35	22
RP1759	12	5.7	12	0.15	39	26
RP1760	15	6.8	12	0.21	45.5	28

OUR CLIENTS



- GB90 Tiger Lilly
- GB80 01 Highland Fling
- GB80 02
- GB68 07
- GB68 06 Convexity 2
- GB68 05 Break Free
- GB68 04 Tosca
- GB68 03 Sea Tilt
- GB68 01 Highland Fling

- Raven
- Zemi
- Nikata 115
- Path
- Alice
- Baltic 68 01 Pink Gin Verde
- Baltic 68 02 Open Season



Svea
Rainbow
Hanuman
Skade
Saudade
Jethou
Allegra
Leopard 3
Proteus
Hetairos
Sojana



Halekai
Vijonara
Win Win
Canova
Saudade
Nilaya



- Swan 108 01
- Swan 120
- Swan 115 Jasi
- Swan 98 03
- Swan 88 01
- Swan 88 02 Spiip

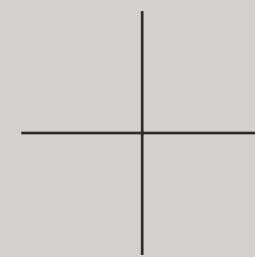
SOUTHERN
Wind



ROYAL HUISMAN

Baltic Yachts

NAUTOR
SWAN



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