

SAILBOAT HARDWARE

# CATALOG

2025/2026



**RONSTAN**  
*Dinghy*

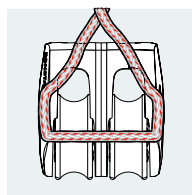
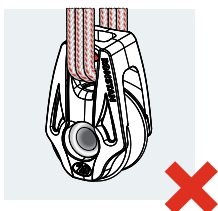
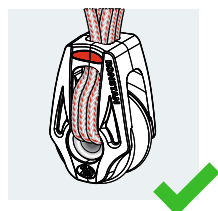


# sails like wings

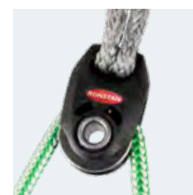
SPORTS BLOCKS

## SERIES 20 ORBIT

1



Lashing line must pass through the hub with a tight splice in the head or cross over before lashing to a fixing point.



RF21107 with Dyneema® link attachment

- ✓ Ball bearing blocks have a 2-stage ball bearing system.
- ✓ Hollow hub for becket take-off.
- ✓ Suit up to 4mm (5/32\") lashing.
- ✓ RF25109HL & RF25209HL ideal for higher load applications.
- ✓ Dyneema® lashing line supplied with singles RF25109 & RF25109HL.

- ✓ RF21107 suits up to 10mm (3/8\") webbing or RF9003-07 Dyneema® link.
- ⬆ Control lines.
- ⬆ Leech lines & cunninghams.
- ⬆ Cascading vangs.
- ⬆ Kite bridles.

- ⚙ BB Sheave: High compression strength acetal.
- ⚙ HHL sheave and bearing race: Grade 2205 stainless steel, ball bearings: Grade 304 stainless steel.
- ⚙ Frame/cheeks: Toughened nylon.
- ⚙ Load straps (RF21107): Grade 316 stainless steel.
- ⚙ Frame/cheeks (RF21107): Toughened, glass fibre reinforced nylon.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>											
RF21107	Single block, becket hub, suits 10mm (3/8\") webbing	20	5	200	400	14	3/4	3/16	440	880	0.5
RF25109	Single block, becket hub, incl. 750mm (30\") x 1.7mm (1/16\") diameter, Dyneema® lashing line	20	6	250*1	550	9	3/4	1/4	550*1	1210	0.3
RF25209	Double block, becket hub	20	6	300*3	800	14	3/4	1/4	660*3	1760	0.5
RF25309	Triple block, becket hub	20	6	300*3	800	21	3/4	1/4	660*3	1760	0.7
RF25151	Cheek block	20	6	250	550	8	3/4	1/4	550	1210	0.3
<b>HHL High Grade Stainless Steel Sheave</b>											
RF25109HL	Single block, becket hub, incl. 750mm (30\") x 2.0mm (3/32\") diameter, Dyneema® lashing line	20	6	300*2	900	14	3/4	1/4	660*2	1980	0.5
RF25209HL	Double block, becket hub, HHL	20	6	450*3	900	26	3/4	1/4	990*3	1980	0.9
<b>Accessories</b>											
RF9003-07	Dyneema® link to suit RF21107										

\*1 Block must be lashed through hub. The supplied lashing line must have three passes through head and hub to achieve rated load.

\*2 Block must be lashed through hub. The supplied lashing line must have two passes through head and hub to achieve rated load.

\*3 Both the MWL and BL are dependent on the strength of the line used to lash the block through the central hub. Refer to the SUPPORT page at

[www.ronstan.com](http://www.ronstan.com)

for lashing instructions.

Our store: [www.sklepwind.pl/pl/c/DINGHY/551](http://www.sklepwind.pl/pl/c/DINGHY/551)





Ideal for high load applications such as halyards, cascading vang, backstays, outhauls and cunningham systems



Block must be lashed through central hub. MWL and BL is dependent on the strength of the lashing.



**RF9004-11**  
Suits single blocks as a lashing stop.  
BL reduced to 1300kg (2860lb) for RF35109HL



**RF614**  
Use with RF9004-09 for attachment option for RF35109HL. BL reduced to 1300kg (2860lb)



**RF134**  
**RF134A** (countersunk holes)



**RF323**  
Suits RF35100, RF35100D



**RF1850S**  
Suits RF35101 in either direction BL reduced to 500kg (1100lb)

- ✓ RF35101 and RF35100 - Ultra-low profile through-sheave becket.
- ✓ Ball bearing blocks have a 2-stage ball bearing system.
- ✓ RF35101 accepts RF1850S shackle in both orientations to create a conventional loop top block.
- ✓ SP versions feature a Nylatron® sheave suitable for both rope and wire.
- ✓ HHL versions features class-leading dynamic and static load ratings for a 30mm block. Refer [www.ronstan.com](http://www.ronstan.com) for lashing instructions.
- ⚠ Mainsheet systems and spinnaker sheets on dinghies to 5m (16ft).
- ⚠ Halyard, vang and backstay applications on boats to 5m (16ft).
- ⚠ Control line applications on larger yachts.
- ⚙ BB sheaves and balls: High compression strength acetal.
- ⚙ SP sheaves: Self-lubricating Nylatron®.
- ⚙ HHL sheave and bearing race: Grade 2205 stainless steel with Grade 304 stainless steel ball bearings
- ⚙ Frame/cheeks: Glass fibre reinforced nylon.
- ⚙ Soft link: UV stabilised, multi-strand SK78 Dyneema®.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF35100	Single block, becket hub, swivel shackle head	30	8	4	300	600	32	1 3/16	5/16	5/32	660	1320	1.1
RF35101	Single block, becket hub, lashing head	30	8	-	300	600	22	1 3/16	5/16	-	660	1320	0.8
RF35202	Double block, non-swivel shackle head	30	8	-	450	900	56	1 3/16	5/16	-	990	1980	2.0
RF35212	Double block, becket <sup>1</sup> , non-swivel shackle head	30	8	-	450 <sup>*</sup>	900	57	1 3/16	5/16	-	990 <sup>*</sup>	1980	2.0
RF35302	Triple block, non-swivel shackle head	30	8	-	550	1100	79	1 3/16	5/16	-	1210	2430	2.8
RF35312	Triple block, becket <sup>1</sup> , non-swivel shackle head	30	8	-	550 <sup>*</sup>	1100	81	1 3/16	5/16	-	1210 <sup>*</sup>	2430	2.9
<b>HHL High Grade Stainless Steel Sheave</b>													
RF35109HL	Single block HHL, lashing hub and becket option	30	8	-	550 <sup>*</sup>	1650 <sup>4*</sup>	42	1 3/16	5/16	-	1210 <sup>4*</sup>	3630 <sup>4*</sup>	1.5
<b>SP Special Purpose - Nylatron® Sheave</b>													
RF35100D	Single block, becket hub, swivel shackle head	30	8	4	300	600	31	1 3/16	5/16	5/32	660	1320	1.1
RF35101D	Single block, becket hub, lashing head	30	8	-	300	600	21	1 3/16	5/16	-	660	1320	0.7

<sup>\*1</sup> Becket suits up to 6mm (1/4") line. For lines above 6mm (1/4") use an additional Dyneema® link (sold separately)

<sup>\*2</sup> Total block load. Load on becket not to exceed 25% of block load. i.e. MWL 140kg (310lb), BL 280kg (610lb). Suitable for 4:1 system at rated block load.

<sup>\*3</sup> Total block load. Load on becket not to exceed 25% of block load. i.e. MWL 140kg (310lb), BL 280kg (610lb). Suitable for 6:1 system at rated block load.

<sup>\*4</sup> Both the MWL and BL are dependent on the strength of the line used to lash the block through the central hub.



- ✓ RF35322 & RF35332 - Composite C-Cleat and fairlead.
- ✓ RF35151 - Base suits curved mounting surface.
- ✓ RF35286 - Stainless steel ring, 35mm (1 3/8") OD, 5mm (3/16") diameter material.

- ⬆ Mainsheet systems and spinnaker sheets on dinghies to 5m (16ft).
- ⬆ Halyard, vang and backstay applications on boats to 5m (16ft).
- ⬆ Control line applications on larger yachts.
- ⬆ Primary lead blocks on dinghies and catamarans.

- ⚙ Sheaves: High compression strength acetal.
- ⚙ Ball bearings: High compression strength acetal.
- ⚙ Frame/cheeks: Toughened, glass fibre reinforced nylon.
- ⚙ Head fittings & hubs: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB</b> Ball Bearing													
RF35000	Sheave, captive BB, 11mm (7/16") width	30	8	-	300	-	6	1 3/16	5/16	-	660	-	0.2
RF35100A	Single block, becket hub, slotted head post, swivel shackle head	30	8	4	300	600	31	1 3/16	5/16	5/32	660	1320	1.1
RF35140	Stand-up block, swivel head	30	8	-	300	600	33	1 3/16	5/16	-	660	1320	1.2
RF35141	Stand-up block, non-swivel head	30	8	-	250	500	36	1 3/16	5/16	-	550	1100	1.3
RF35151	Cheek block	30	8	-	300	600	21	1 3/16	5/16	-	660	1320	0.7
RF35284	Linked blocks, S30 & S30	30+30	8	-	300	600	46	1 3/16+1 3/16	5/16	-	660	1320	1.6
RF35286	Clew ring blocks	30	8	-	300	600	63	1 3/16	5/16	-	660	1320	2.2
RF35322	Triple block, cleat, non-swivel shackle head	30	8	-	550 *	1100	130	1 3/16	5/16	-	1210 *	2430	4.6
RF35332	Triple block, becket <sup>1</sup> , cleat, non-swivel shackle head	30	8	-	550 <sup>2</sup>	1100	132	1 3/16	5/16	-	1210 <sup>2</sup>	2430	4.7

#### Spare Parts & Conversion Accessories

RF9003-07 Dyneema® link to suit S30 double & triple Orbit Blocks™

#### Blocks suited:

Suits RF35202, RF35212, RF35302, RF35312, RF35322, RF35332

\*1 Becket suits up to 6mm (1/4") line. For lines above 6mm (1/4") use an additional Dyneema® link (sold separately).

\*2 Total block load. Load on becket not to exceed 25% of block load. i.e. MWL 140kg (310lb), BL 280kg (610lb). Suitable for 6:1 system at rated block load.

\*3 Line load through cleat not to exceed 125kg (280lb).





**RF615A**  
4mm (5/32") pin,  
suits swivel blocks



**DSH-4GRY**  
4mm (5/32") soft shackle,  
suits RF48109



**DSH-6GRY**  
6mm (1/4") soft shackle,  
suits RF48109HL and RF48209

- 2-stage ball bearing system.
- RF48100, RF48109, RF48209 & RF48109HL - integrated becket.
- RF48109 & RF48109HL can be opened and used as a snatch block.
- RF48100 stainless steel shackle head for unlimited block rotation, and compatibility with sharp fixing points.

- Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- Halyard, vang and backstay applications on boats to 9m (30ft).
- Control line applications on larger yachts.

- BB Sheave and balls: High compression strength acetal.
- HHL sheave and bearing race: Grade 2205 stainless steel with Grade 304 stainless steel ball bearings.
- Frame/cheeks: Toughened, glass fibre reinforced nylon.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF48000	Sheave, captive BB, 15.5mm (5/8") width	40	10	-	400	-	30	1 9/16	3/8	-	880	-	1.1
RF48100	Single block, becket hub, swivel shackle head	40	10	4	400	800	60	1 9/16	3/8	5/32	880	1760	2.1
RF48109	Single block, becket hub, lashing head	40	10	-	400	800	47	1 9/16	3/8	-	880	1760	1.7
RF48140	Stand-up block, swivel head	40	10	-	400	800	70	1 9/16	3/8	-	880	1760	2.5
RF48151	Cheek block	40	10	-	400	800	33	1 9/16	3/8	-	880	1760	1.2
RF48209	Double block, becket hub, lashing head	40	10	-	600	1200	86	1 9/16	3/8	-	1320	2650	3.0
<b>HHL High Load Stainless Steel Sheave</b>													
RF48000HL	Sheave, captive HHL, 15.5mm (5/8") width	40	10	-	1000	-	77	1 9/16	3/8	-	2200	-	2.7
RF48109HL	Single block HHL, lashing hub and becket option	40	10	-	1000	3000	96	1 9/16	3/8	-	2200	6610	3.4



- ✓ Headposts freely swivel or can be locked in 0° or 90°.
- ✓ Composite C-Cleat™ and fairlead.
- ✓ Removable becket pins allow lines to be spliced prior to fitting and are secured using a split ring.
- ✓ RF46330 & RF46530 replaceable ratchet sheave, RF46000.
- ✓ Exit Blocks minimise friction in lines passing through the deck or exiting masts and booms.

- ⬆ Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- ⬆ Halyard, vang and backstay applications on boats to 8m (26ft).
- ⬆ Control line applications on larger yachts.

- ⚙ BB Sheave and balls: High compression strength acetel.
- ⚙ HHL sheave and bearing race: Grade 2205 stainless steel with Grade 304 stainless steel ball bearings
- ⚙ Frame/cheeks: Toughened, glass fibre reinforced nylon.
- ⚙ Exit block housing: Anodised aluminium.
- ⚙ Head fittings, hubs and fixtures: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF48120	Single block, adjustable cleat, swivel shackle head	40	10	4	175 <sup>*1</sup>	800	176	1 9/16	3/8	5/32	385 <sup>*1</sup>	1760	6.2
RF48330	Triple block, becket, adjustable cleat, swivel shackle head	40	10	5	600 <sup>*1&amp;2</sup>	1200	227	1 9/16	3/8	3/16	1320 <sup>*1&amp;2</sup>	2650	8.0
RF46330	Triple block, becket, adjustable cleat, ratchet, swivel shackle head	40	9	5	600 <sup>*1&amp;2</sup>	1200	270	1 9/16	5/16	3/16	1320 <sup>*1&amp;2</sup>	2650	9.5
RF46530	Quin block, becket, adjustable cleat, ratchet, swivel shackle head	40	9	5	600 <sup>*1&amp;2</sup>	1200	368	1 9/16	5/16	3/16	1320 <sup>*1&amp;2</sup>	2650	13.0
RF46000	Ratchet sheave	40	9	-	-	-	20	1 9/16	5/16	-	-	-	0.7
<b>Exit Blocks</b>													
RF45711N	Exit Block, AP, Narrow	40	8	-	400/800 <sup>*3</sup>	1600	65	1 9/16	5/16	-	880/1760 <sup>*3</sup>	3530	9.5
RF45711	Exit Block, BB	40	10	-	400/800 <sup>*3</sup>	2000	77	1 9/16	3/8	-	880/1760 <sup>*3</sup>	4410	9.5
RF45711HL	Exit Block, HHL	40	10	-	1000	2000	123	1 9/16	3/8	-	2200	4410	9.5

\*1 MWL based on maximum allowable line load through cleat of 175kg (385lb), 1:1 purchase.

\*2 Total block load. Becket MWL 400kg (880lb), BL 800kg (1760lb).

\*3 MWL = 400kg dynamic load, 800kg static load.



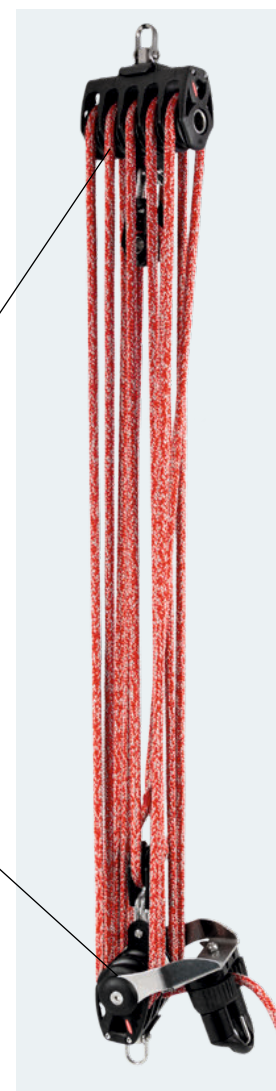
# sails like wings

SPORTS BLOCKS

## SERIES 40 ORBIT

RONSTAN

6



12:1 MAINSHEET SYSTEM



**RF261**  
suits RF48310,  
RF48510



**RF262**  
suits RF48410



**RF113**  
suits RF48310, RF48410,  
RF48510



**RF614**  
suits RF48210



**RF150**  
4.8mm (3/16") pin,  
suits multiples

- 2-stage ball bearing system.
- Headposts freely swivel or can be locked in 0° or 90°.
- Removable becket pins allow lines to be spliced prior to fitting and are secured using a split ring.

- Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- Halyard, vang and backstay applications on boats to 8m (26ft).
- Control line applications on larger yachts.

- BB Sheave and balls: High compression strength acetal.
- Frame/cheeks: Toughened, glass fibre reinforced nylon.
- Head fittings and hubs: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE	MAX.	PIN	M.W.L.	B.L.	WEIGHT	SHEAVE	MAX.	PIN	M.W.L.	B.L.	WEIGHT
		DIAM.	ROPE	DIAM.	kg	kg	g	DIAM.	ROPE	DIAM.	lb	lb	oz
		mm	mm	mm				in.	in.	in.			
<b>BB Ball Bearing</b>													
RF48200	Double block, swivel shackle head	40	10	5	600	1200	118	1 9/16	3/8	3/16	1320	2650	4.2
RF48210	Double block, becket, swivel shackle head	40	10	5	600 <sup>*1</sup>	1200	130	1 9/16	3/8	3/16	1320 <sup>*2</sup>	2650	4.6
RF48300	Triple block, swivel shackle head	40	10	5	600	1200	167	1 9/16	3/8	3/16	1320	2650	5.9
RF48310	Triple block, becket, swivel shackle head	40	10	5	600 <sup>*1</sup>	1200	172	1 9/16	3/8	3/16	1320 <sup>*1</sup>	2650	6.1
RF48400	Quad block, swivel shackle head	40	10	5	600	1200	192	1 9/16	3/8	3/16	1320	2650	6.8
RF48410	Quad block, becket, swivel shackle head	40	10	5	600 <sup>*1</sup>	1200	200	1 9/16	3/8	3/16	1320 <sup>*1</sup>	2650	7.1
RF48500	Quin block, swivel shackle head	40	10	5	600	1200	241	1 9/16	3/8	3/16	1320	2650	8.5
RF48510	Quin block, becket, swivel shackle head	40	10	5	600 <sup>*1</sup>	1200	246	1 9/16	3/8	3/16	1320 <sup>*1</sup>	2650	8.7

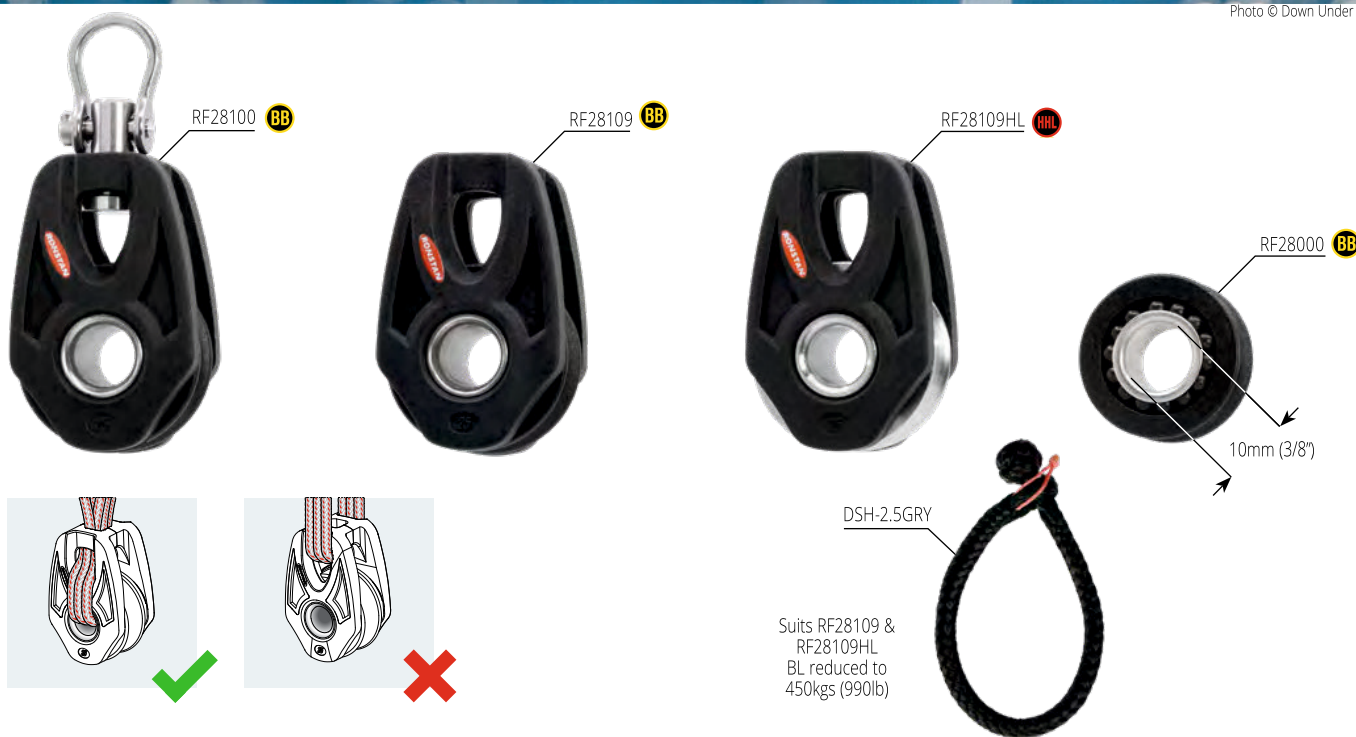
\*1 Total block load. Becket MWL 400kg (880lb). BL 800kg (1760lb).

Our store: [www.sklepwind.pl/pl/c/DINGHY/551](http://www.sklepwind.pl/pl/c/DINGHY/551)

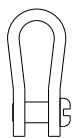




Photo © Down Under Sail



**RF9004-11**  
Suits RF28109 and  
RF28109HL blocks as  
a lashing stop.



**RF614**  
Use with RF9004-11  
for attachment option for  
RF28109 and RF28109HL.



**RF134**  
**RF134A** (countersunk holes)



**RF323**  
Suits RF28100 and  
RF28109



**RF1850S**  
Suits RF28109 in either  
direction BL reduced to  
500kg (1100lb)

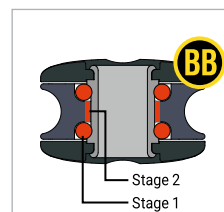
- ✓ Ball bearing blocks have a 2-stage ball bearing system.
- ✓ Hollow hub for becket take-off.
- ✓ Suit up to 4mm (5/32") lashing.
- ✓ RF28109HL ideal for higher load applications.

- ⬆ Mainsheet and spinnaker sheet turning blocks on dinghies to 4m (13ft).
- ⬆ Control lines.
- ⬆ Cascading vang.
- ⬆ Leech lines & cunninghams.

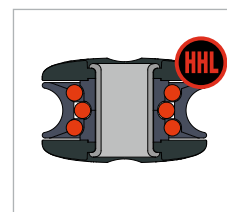
- ⬆ BB Sheave and balls : High compression strength acetal.
- ⬆ HHL sheave and bearing race: Grade 2205 stainless steel with Grade 304 stainless steel ball bearings.
- ⬆ Frame/cheeks: Toughened, glass fibre reinforced nylon.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>											
RF28000	Sheave, captive BB, 10.7mm (7/16" ) width	25	8	-	-	5	1	5/16	-	-	0.2
RF28100	Single block, becket hub, swivel shackle head	25	8	225	450	18	1	5/16	500	990	0.6
RF28109	Single block, becket hub, lashing head	25	8	250*	550*	14	1	5/16	550*	1650*	0.5
<b>HHL High Grade Stainless Steel Sheave</b>											
RF28109HL	Single block, HHL, lashing block and becket option	25	8	400*	1200*	34	1	5/16	880*	2650*	1.2
<b>Accessories</b>											
DSH-2.5GRY	Soft Shackle, Dyneema® 2.5mm x 50mm, suits RF28109 & RF28109HL			-	450	1			-	990	0.1

\* Both the MWL & BL are dependent on the strength of line used to lash the block through the central hub. Knots, splices, stitching will generally have a lower BL than the line itself.  
Dyneema® is a registered trademark of DSM IP Assets B.V.



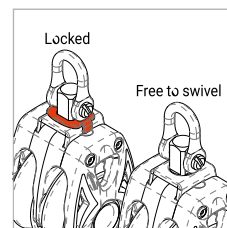
2-stage bearing system



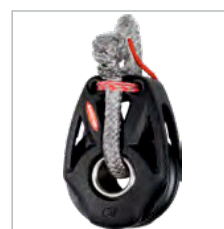
Triple bearing race



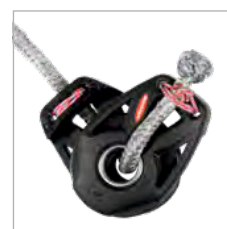
Adjustable cleat arms



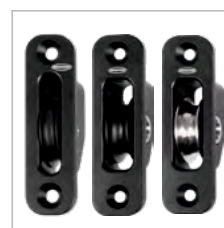
Swivel or locking headpost\*1



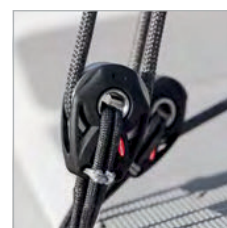
Lashing or soft attachment option



Rotating cheek for snatch block\*2



Exit Blocks



## SERIES 40 ORBIT BLOCKS™

### PERFORMANCE MEETS RELIABILITY

The new Series 40 ball bearing Orbit Blocks™ provide the perfect balance of strength, performance, and reliability. They offer class-leading dynamic and static load ratings, the highest available in this size of performance blocks. Lightweight and strong toughened glass fibre reinforced nylon cheeks replace stainless steel straps used in traditional utility blocks - the perfect balance of performance and reliability.

As well as traditional single swivel blocks, the range also includes single and double sheave lashing or soft attachment options through to multiple sheave blocks including those with quad and quin sheaves. The range is extremely versatile allowing a multitude of possible systems right up to a 12:1 purchase mainsheet system for off-the-beach performance catamarans.

Series 40 Orbit Blocks™ are fitted with our carbon reinforced C-Cleat™ for secure rope holding with low entry and exit efforts, and fairleads for fast action from any angle. Cleat arms are made from stainless steel and are adjustable for setting to your preferred cleating angle.

**BB Ball Bearing** versions incorporate our 2-stage bearing system using ball bearings to minimise friction and a secondary full-contact bearing to maintain low friction across the full working load range.

**HHL High Load** versions are designed specifically for any application where high dynamic or static loads are expected. They feature a high strength grade 2205 stainless steel sheave & hub together with a triple bearing race to maintain low friction at very high loads.

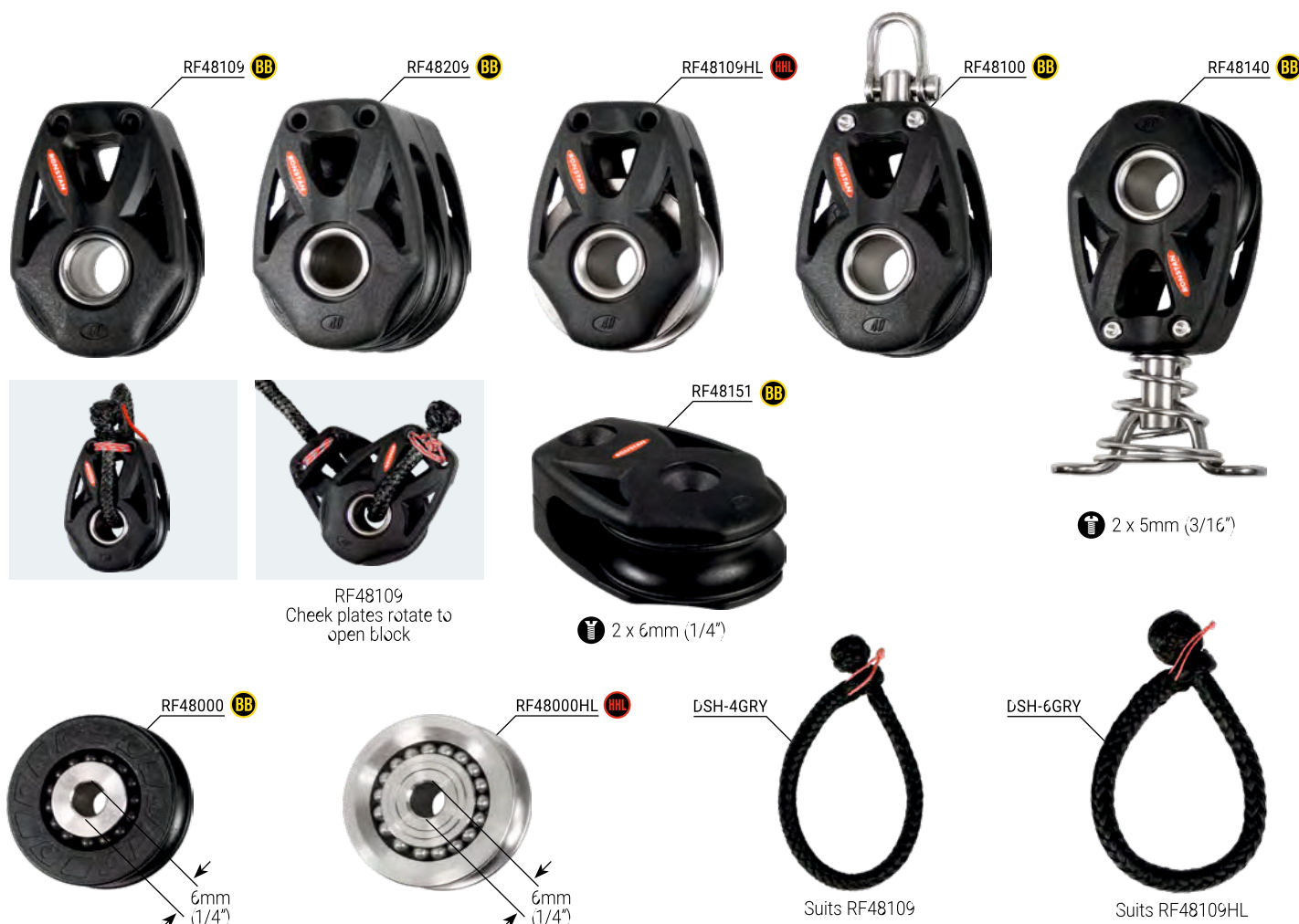
\*1 Locking headpost 0° or 90° only in the multiple sheave options. RF48100 free swivel rotation only.

\*2 Rotating cheek for snatch block option RF48109, RF48109HHL only. Can also be lashed closed.









RF48109  
Cheek plates rotate to  
open block



**RF615A**  
4mm (5/32") pin,  
suits swivel blocks

- ✓ 2-stage ball bearing system.
- ✓ RF48100, RF48109, RF48209 & RF48109HL - integrated becket.
- ✓ RF48109 & RF48109HL can be opened and used as a snatch block.
- ✓ RF48100 stainless steel shackle head for unlimited block rotation, and compatibility with sharp fixing points.



**DSH-4GRY**  
4mm (5/32") soft shackle,  
suits RF48109

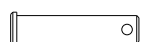
- ⬆ Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- ⬆ Halyard, vang and backstay applications on boats to 9m (30ft).
- ⬆ Control line applications on larger yachts.



**DSH-6GRY**  
6mm (1/4") soft shackle,  
suits RF48109HL

- ⬆ BB Sheave and balls: High compression strength acetal.
- ⬆ HHL sheave and bearing race: Grade 2205 stainless steel, ball bearings: Grade 304 stainless steel.
- ⬆ Frame/cheeks: Toughened, glass fibre reinforced nylon.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF48000	Sheave, captive BB, 15.5mm (5/8") width	40	10	-	400	-	30	1 9/16	3/8	-	880	-	1.1
RF48100	Single block, becket hub, swivel shackle head	40	10	4	400	800	60	1 9/16	3/8	5/32	880	1760	2.1
RF48109	Single block, becket hub, lashing head	40	10	-	400	800	47	1 9/16	3/8	-	880	1760	1.7
RF48140	Stand-up block, swivel head	40	10	-	400	800	70	1 9/16	3/8	-	880	1760	2.5
RF48151	Cheek block	40	10	-	400	800	33	1 9/16	3/8	-	880	1760	1.2
RF48209	Double block, becket hub, lashing head	40	10	-	600	1200	86	1 9/16	3/8	-	1320	2650	3.0
<b>HHL High Load Stainless Steel Sheave</b>													
RF48000HL	Sheave, captive HHL, 15.5mm (5/8") width	40	10	-	1500	-	77	1 9/16	3/8	-	3310	-	2.7
RF48109HL	Single block HHL, lashing hub and becket option	40	10	-	1000	3000	96	1 9/16	3/8	-	2200	6610	3.4



**BECKET**  
RF261 Clevis Pin



**BECKET**  
RF113 Split Ring

2 x 6mm (1/4")

2 x 6mm (1/4")

2 x 6mm (1/4")

- ✓ Headposts freely swivel or can be locked in 0° or 90°.
- ✓ Composite C-Cleat™ and fairlead.
- ✓ Removable becket pins allow lines to be spliced prior to fitting and are secured using a split ring.
- ✓ RF46330 & RF46530 replaceable ratchet sheave, RF46000.
- ✓ Exit Blocks minimise friction in lines passing through the deck or exiting masts and booms.

- ⬆ Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- ⬆ Halyard, vang and backstay applications on boats to 8m (26ft).
- ⬆ Control line applications on larger yachts.

- ⚙ BB Sheave and balls: High compression strength acetal.
- ⚙ HHL sheave and bearing race: Grade 2205 stainless steel, ball bearings: Grade 304 stainless steel.
- ⚙ Frame/cheeks: Toughened, glass fibre reinforced nylon.
- ⚙ Exit block housing: Anodised aluminium.
- ⚙ Head fittings, hubs and fixtures: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF48120	Single block, adjustable cleat, swivel shackle head	40	10	4	400 <sup>*1</sup>	800	176	1 9/16	3/8	5/32	880 <sup>*1&amp;2</sup>	1760	6.2
RF48330	Triple block, becket, adjustable cleat, swivel shackle head	40	10	5	600 <sup>*1&amp;2</sup>	1200	227	1 9/16	3/8	3/16	1320 <sup>*1&amp;2</sup>	2650	8.0
RF46330	Triple block, becket, adjustable cleat, ratchet, swivel shackle head	40	9	5	600 <sup>*1&amp;2</sup>	1200	270	1 9/16	5/16	3/16	1320 <sup>*1&amp;2</sup>	2650	9.5
RF46530	Quin block, becket, adjustable cleat, ratchet, swivel shackle head	40	9	5	600 <sup>*1&amp;2</sup>	1200	368	1 9/16	5/16	3/16	1320 <sup>*1&amp;2</sup>	2650	13.0
RF46000	Ratchet sheave	40	9	-	-	-	20	1 9/16	5/16	-	-	-	0.7
<b>Exit Blocks</b>													
RF45711N	Exit Block, AP, Narrow	40	8	-	400/800 <sup>*3</sup>	1600	65	1 9/16	5/16	-	880/1760 <sup>*3</sup>	3530	9.5
RF45711	Exit Block, BB	40	10	-	400/800 <sup>*3</sup>	2000	77	1 9/16	3/8	-	880/1760 <sup>*3</sup>	4410	9.5
RF45711HL	Exit Block, HHL	40	10	-	1000	2000	123	1 9/16	3/8	-	2200	4410	9.5

\*1 Line load through cleat not to exceed 125kg (275lb).

\*2 Total block load. Becket MWL 400kg (880lb), BL 800kg (1760lb).

\*3 MWL = 400kg dynamic load, 800kg static load.



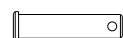
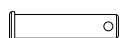
# sails like wings

SPORTS BLOCKS

## SERIES 40 ORBIT

**RONSTAN**

12

RF48510 & RF35101,  
RF9003-07RF46530 & RF35101,  
RF9003-07
**RF261**  
suits RF48310,  
RF48510

**RF262**  
suits RF48410

**RF113**  
suits RF48310,  
RF48410, RF48510

**RF614**  
suits RF48210

**RF150**  
4.8mm (3/16") pin,  
suits multiples

- ✓ 2-stage ball bearing system.
- ✓ Headposts freely swivel or can be locked in 0° or 90°.
- ✓ Removable becket pins allow lines to be spliced prior to fitting and are secured using a split ring.

- ⬆ Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- ⬆ Halyard, vang and backstay applications on boats to 8m (26ft).
- ⬆ Control line applications on larger yachts.

- ⚙ BB Sheave and balls: High compression strength acetal.
- ⚙ Frame/cheeks: Toughened, glass fibre reinforced nylon.
- ⚙ Head fittings and hubs: Grade 316 stainless steel.

**12:1 MAINSHEET  
SYSTEM**

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF48200	Double block, swivel shackle head	40	10	5	600	1200	118	1 9/16	3/8	3/16	1320	2650	4.2
RF48210	Double block, becket, swivel shackle head	40	10	5	600 <sup>2</sup>	1200	130	1 9/16	3/8	3/16	1320 <sup>2</sup>	2650	4.6
RF48300	Triple block, swivel shackle head	40	10	5	600	1200	167	1 9/16	3/8	3/16	1320	2650	5.9
RF48310	Triple block, becket, swivel shackle head	40	10	5	600 <sup>1</sup>	1200	172	1 9/16	3/8	3/16	1320 <sup>1</sup>	2650	6.1
RF48400	Quad block, swivel shackle head	40	10	5	600	1200	192	1 9/16	3/8	3/16	1320	2650	6.8
RF48410	Quad block, becket, swivel shackle head	40	10	5	600 <sup>1</sup>	1200	200	1 9/16	3/8	3/16	1320 <sup>1</sup>	2650	7.1
RF48500	Quin block, swivel shackle head	40	10	5	600	1200	241	1 9/16	3/8	3/16	1320	2650	8.5
RF48510	Quin block, becket, swivel shackle head	40	10	5	600 <sup>1</sup>	1200	246	1 9/16	3/8	3/16	1320 <sup>1</sup>	2650	8.7

\*1 Total block load. Becket MWL 400kg (880lb), BL 800kg (1760lb).

\*2 MWL = 400kg dynamic load, 800kg static load.

Our store: [www.sklepwind.pl/pl/c/DINGHY/551](http://www.sklepwind.pl/pl/c/DINGHY/551)





Becket link

**RF615**  
4mm (5/32") pin

**2 x 5mm (3/16")**

- ✓ 2-stage ball bearing system.
- ✓ RF45110, RF45111 & RF45140 - Ultra-low profile integrated becket.
- ✓ RF45110 - Stainless steel shackle head for unlimited block rotation, and compatibility with sharp fixing points.
- ✓ RF45521 Composite C-Cleat™ and fairlead.
- ✓ Add RF9003-07 Dyneema® becket link.
- ⬆ Mainsheet systems and spinnaker sheets on dinghies to 5m (16ft).
- ⬆ Halyard, vang and backstay applications on boats to 8m (26ft).
- ⬆ Control line applications on larger yachts.
- ⬆ Sheave: Carbon fibre reinforced, PTFE impregnated nylon.
- ⬆ Ball bearings: High compression strength acetal.
- ⬆ Stage 2 bearing: Glass fibre reinforced, MoS<sub>2</sub> impregnated nylon.
- ⬆ Frame/cheeks: Toughened, glass fibre reinforced nylon.
- ⬆ Rope link: UV stabilised, multi-strand SK78 Dyneema®.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF45101	Single block, Dyneema® link head	40	9	-	325	700	33	1 9/16	5/16	-	715	1540	1.2
RF45110	Single block, becket, swivel shackle head	40	9	4	325 <sup>*1</sup>	650	44	1 9/16	5/16	5/32	715 <sup>*1</sup>	1430	1.6
RF45111	Single block, becket, Dyneema® link head	40	9	-	325 <sup>*1</sup>	700	36	1 9/16	5/16	-	715 <sup>*1</sup>	1540	1.3
RF45130	Single block, becket, adjustable cleat, swivel shackle head	40	9	4	325 <sup>*1&amp;2</sup>	650	105	1 9/16	5/16	5/32	715 <sup>*1&amp;2</sup>	1430	3.7
RF45140	Stand-up block, becket, swivel head	40	9	-	325	650	54	1 9/16	5/16	-	715	1430	1.9
RF45201	Double block, Dyneema® link head	40	9	-	500	1000	67	1 9/16	5/16	-	1100	2200	2.4
RF45501	Fiddle block <sup>*3</sup> , Dyneema® link head	40 + 22	9	-	325 <sup>*1&amp;2</sup>	700	47	1 9/16 + 7/8	5/16	-	715 <sup>*1&amp;2</sup>	1540	1.7
RF45521	Fiddle block <sup>*3</sup> , adjustable cleat, Dyneema® link head	40 + 22	9	-	325 <sup>*1&amp;2</sup>	700	108	1 9/16 + 7/8	5/16	-	715 <sup>*1&amp;2</sup>	1540	3.8
<b>Accessories</b>													
RF9003-07	S40 single & fiddle Orbit Blocks®, head and becket link	RF45101, RF45111, RF45501, RF45521											
RF9003-08	S40 double Orbit Block® head link	RF45201											

\*1 Total block load. Becket MWL 125kg (275lb), BL 250kg (550lb). Suitable for 3:1 system at rated block load.

\*2 Line load through cleat not to exceed 125kg (275lb).

\*3 Small fiddle block sheave has a high load full contact bearing (i.e. not ball bearing). Main sheave has 2-stage ball bearing.

## SERIES 40 ORBIT

**RONSTAN**


RF46100 BB



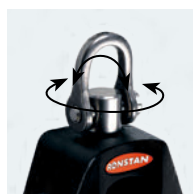
RF46100M BB



RF46101 BB



RF46102 BB



Stainless steel swivel shackle head



Superior holding power



RF45151 BB

2 x 4mm (5/32")



RF46151 BB

2 x 4mm (5/32")



RF46151A BB

2 x 4mm (5/32")



RF40001



RF40002



RF9003-07



RF9004-08

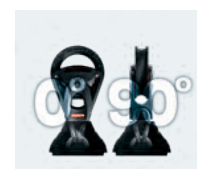


RF4

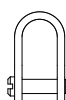
2 x 5mm (3/16")

RF2454  
RF2454B

2 x 5mm (3/16")



0° or 90° stand-up



RF615

4mm (5/32") pin, suits RF46100 &amp; RF46100M

- ✓ RF46100 & RF46100M - Stainless steel swivel shackle head for unlimited block rotation, and compatibility with sharp fixing points.

- ⬆ Dinghy mainsheet systems.

- ⬆ Spinnaker and jib sheets on dinghies.

- ⬆ Mainsheet fine tune systems on sportsboats & small keelboats using RF6 or RF7 mainsheet swivel cleat unit.

- ⬆ Control line applications on larger yachts.

- ⬆ Shackle & head fitting (RF46100 & RF46100M): Grade 316 stainless steel.

- ⬆ Sheave: Anodised aluminium.

- ⬆ Ball bearings: High compression strength acetal.

- ⬆ Frame/cheeks: Toughened, glass fibre reinforced nylon.

- ⬆ Rope link: UV stabilised, multi-strand SK78 Dyneema®.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
<b>BB Ball Bearing</b>													
RF46151	Cheek block	40	9	-	325	700	32	1 9/16	5/16	-	715	1540	1.1
RF46100	Single block, auto, swivel shackle head	40	9	4	175	500	38	1 9/16	5/16	5/32	385	1100	1.3
RF46100M	Single block, manual, swivel shackle head	40	9	4	175	500	38	1 9/16	5/16	5/32	385	1100	1.3
RF46101	Single block, auto, Dyneema® link head	40	9	-	175	500	35	1 9/16	5/16	-	385	1100	1.2
RF46102	Single block, manual, Dyneema® link head	40	9	-	175	500	35	1 9/16	5/16	-	385	1100	1.2
RF46151	Cheek block, clockwise, auto	40	9	-	175	500	36	1 9/16	5/16	-	385	1100	1.3
RF46151A	Cheek block, anti-clockwise, auto	40	9	-	175	500	36	1 9/16	5/16	-	385	1100	1.3

PRODUCT No.	DESCRIPTION	M.W.L. kg	B.L. kg	WEIGHT g	M.W.L. lb	B.L. lb	WEIGHT oz
<b>Accessories</b>							
RF4	Swivel shackle base. Suits Series 40 & 55 Orbit Block® Dyneema® links. 4.8mm (3/16") diameter pin	250	500	30	550	1100	1.1
RF2454	Stand-up base, suits S40 Orbit Blocks® - boot & saddle	325	700	11	715	1540	0.4
RF2454B	Stand-up boot, suits S40 Orbit Blocks® - boot only	-	-	6	-	-	0.2

### Spare Parts - Dyneema® Links

RF9003-07	S40 single & fiddle Orbit Blocks®	RF45101, RF45111, RF45501, RF45521, RF46101, RF46102
RF9004-08	S40 double & triple Orbit Blocks®	RF45201

### Spare Parts - Link Retainer Clips

RF40001	S40 single & fiddle Orbit Blocks® (2 pack)	RF45101, RF45111, RF45501, RF45521, RF46101, RF46102
RF40002	S40 double & triple Orbit Blocks® (2 pack)	RF45201

# GET IN TOUCH

**Phone:**

+48 58 3222 800

**Email:**

[info@sailservice.pl](mailto:info@sailservice.pl)

**Address:**

Sail Service sp. z o.o.  
ul. Siennicka 25c  
80-758 Gdańsk