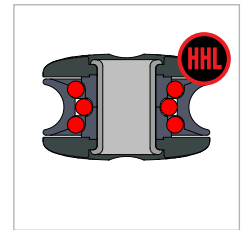
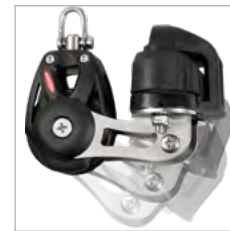


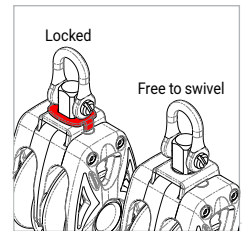
2-stage bearing system



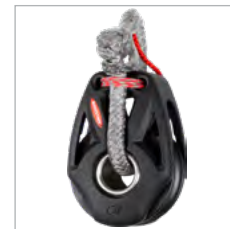
Triple bearing race



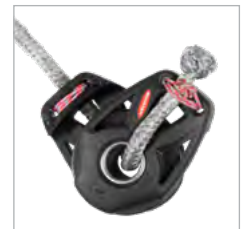
Adjustable cleat arms



Swivel or locking headpost*1



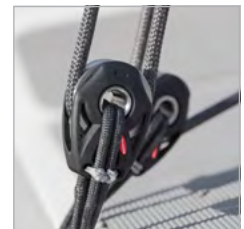
Lashing or soft attachment option



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, RF48109HL only. Can also be lashed closed.





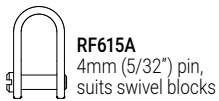
RF48109
Cheek plates rotate to open block

RF48151
2 x 6mm (1/4")

RF48100
2 x 5mm (3/16")

DSH-4GRY
Suits RF48109

DSH-6GRY
Suits RF48109HL



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



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



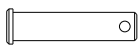
DSH-6GRY
6mm (1/4") soft shackle,
suits RF48109HL

- ✔ 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, ball bearings: Grade 304 stainless steel.
- ⚡ Frame/cheeks: Toughened, glass fibre reinforced nylon.

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


 RF48510 & RF35101,
 RF9003-07

 RF46530 & RF35101,
 RF9003-07

**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 acetel.
- ⚙ 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.			
BB 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 ^{*2}	1200	130	1 9/16	3/8	3/16	1320 ^{*2}	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 ^{*1}	1200	172	1 9/16	3/8	3/16	1320 ^{*1}	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 ^{*1}	1200	200	1 9/16	3/8	3/16	1320 ^{*1}	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 ^{*1}	1200	246	1 9/16	3/8	3/16	1320 ^{*1}	2650	8.7

*1 Total block load. Becket MWL 400kg (880lb), BL 800kg (1760lb).
 *2 MWL = 400kg dynamic load, 800kg static load.



RF615
4mm (5/32") pin

- ✔ 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, MoS₂ impregnated nylon.
- ⚙ Frame/cheeks: Toughened, glass fibre reinforced nylon.
- ⚙ Rope link: UV stabilised, multi-strand SK78 Dyneema®.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM.	MAX. ROPE	PIN DIAM.	M.W.L.	B.L.	WEIGHT	SHEAVE DIAM.	MAX. ROPE	PIN DIAM.	M.W.L.	B.L.	WEIGHT
		mm	mm	mm	kg	kg	g	in.	in.	in.	lb	lb	oz
BB 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* ¹	650	44	1 9/16	5/16	5/32	715* ¹	1430	1.6
RF45111	Single block, becket, Dyneema® link head	40	9	-	325* ¹	700	36	1 9/16	5/16	-	715* ¹	1540	1.3
RF45130	Single block, becket, adjustable cleat, swivel shackle head	40	9	4	325* ^{1&2}	650	105	1 9/16	5/16	5/32	715* ^{1&2}	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* ³ , Dyneema® link head	40 + 22	9	-	325* ^{1&2}	700	47	1 9/16 + 7/8	5/16	-	715* ^{1&2}	1540	1.7
RF45521	Fiddle block* ³ , adjustable cleat, Dyneema® link head	40 + 22	9	-	325* ^{1&2}	700	108	1 9/16 + 7/8	5/16	-	715* ^{1&2}	1540	3.8

Accessories

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.


 RF46100 **BB**

 RF46100M **BB**

 RF46101 **BB**

 RF46102 **BB**


Stainless steel swivel shackle head


 Superior holding power
10:1

 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

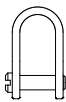
2 x 5mm (3/16")


 RF2454
 RF2454B

2 x 5mm (3/16")



0° or 90° stand-up



RF615

4mm (5/32") pin, suits RF46100 & 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
BB 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
Accessories							
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™
RF9004-08	S40 double & triple Orbit Blocks™

Spare Parts - Link Retainer Clips	
RF40001	S40 single & fiddle Orbit Blocks™ (2 pack)
RF40002	S40 double & triple Orbit Blocks™ (2 pack)