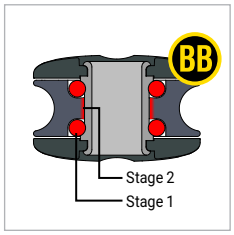
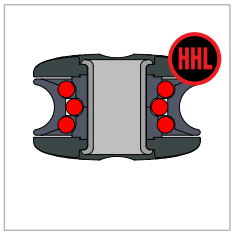


2-stage bearing system



Triple bearing race (S40)


Adjustable cleat arms

Ratchet block auto/manual models

Ratchet block auto engagement


Lashing or soft shackle option

Ratchet block holding power

ORBIT BLOCKS™

Ultimate Performance

Ball Bearing Orbit Blocks™ have been engineered to achieve the highest possible strength-to-weight ratio, using composite reinforced polymer materials and sophisticated bearing systems.

The new Series 40 Orbit Blocks™ are strong enough for applications that historically required a larger block and light enough to compete on any racecourse. The 2-stage ball bearing system remains highly efficient under heavy static or dynamic loads, with a clever design that effectively eliminates the friction-inducing skidding or deformation of ball bearings which commonly impact blocks in this size range.

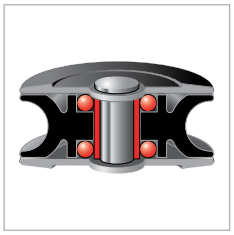
Orbit Blocks™ are available with swivel heads, Dyneema® link heads, or as lashing blocks. The SK78 Dyneema® link provided with link head blocks is easily fitted and retained securely by a moulded retainer clip. The flexible link allows limited articulation in a 0° or 90° orientation, while swivel head models with stainless steel shackles provide full rotation and maximum durability.

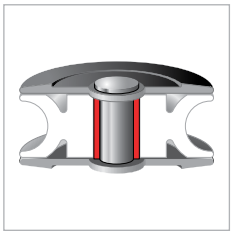
Orbit Blocks™ are fitted with our carbon-fibre reinforced C-Cleat™ for secure rope holding with low entry and exit efforts, and fairleads for fast action from any angle. Cleat arms have a wide range of adjustment and calibration marks for setting your preferred cleating angle.

Awesome Holding Power

Multiple gripping faces machined into our ratchet block sheaves work in conjunction with our unique cross-hole geometry, delivering up to 20:1 holding power to resist slipping of the loaded line while minimising rope wear. Ball bearings ensure minimum friction under load and a free running sheave when the ratchet is disengaged.

Control switches are located on both sides of the block to remain accessible wherever the block is fitted. In auto mode, the ratchet mechanism engages when load is applied but disengages when released to let the sheet run out freely – ideal for gybing asymmetric spinnakers. In manual mode, the switch is used to set up the block with ratchet either on or off as required.


Ball Bearing sheave


All Purpose & Special Purpose sheave


RopeGlide™ fairleads


RopeGlide™ rings

Versatile Shocks™

A BLOCK FOR EVERY PURPOSE

All-around solutions

Utility Blocks are an ideal match for the needs of everyday recreational sailing. They are designed for low-maintenance reliability and offer a choice of sheave/bearing configurations depending on their intended use.

Ultimate simplicity

For applications involving high static loads where only simple deflection and minor trim adjustment is required, our low friction RopeGlide™ rings and fairleads are a lightweight and robust alternative to blocks. For control line applications our Shocks™ offer high strength and versatility in a compact form.

- **All Purpose** versions are a great choice for durability and a long service life. They feature self-lubricating acetal polymer sheaves running on polished stainless steel races and perform equally well with dynamic loads and static loads.
- **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.
- **Special Purpose** versions are suitable for use with wire rope or where high static load capability is required.
- **High Load** versions are designed specifically for any application where high dynamic or static loads are expected. They feature high strength grade 2205 stainless steel ball races and sheaves for low friction at high loads.

SERIES 15 & 20 UTILITY

©Toby Bromwich

SERIES 15


RF13101 AP


RF13101G AP


RF13101R AP

SERIES 20

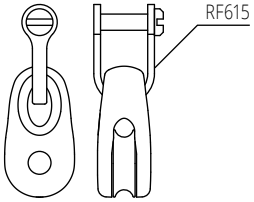

RF666 AP

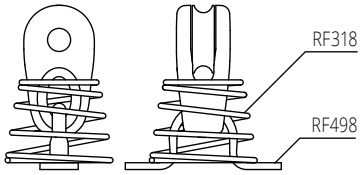

RF663 AP

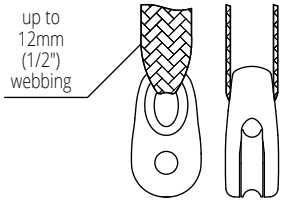

RF661 AP


RF662 AP


RF664 AP


RF615





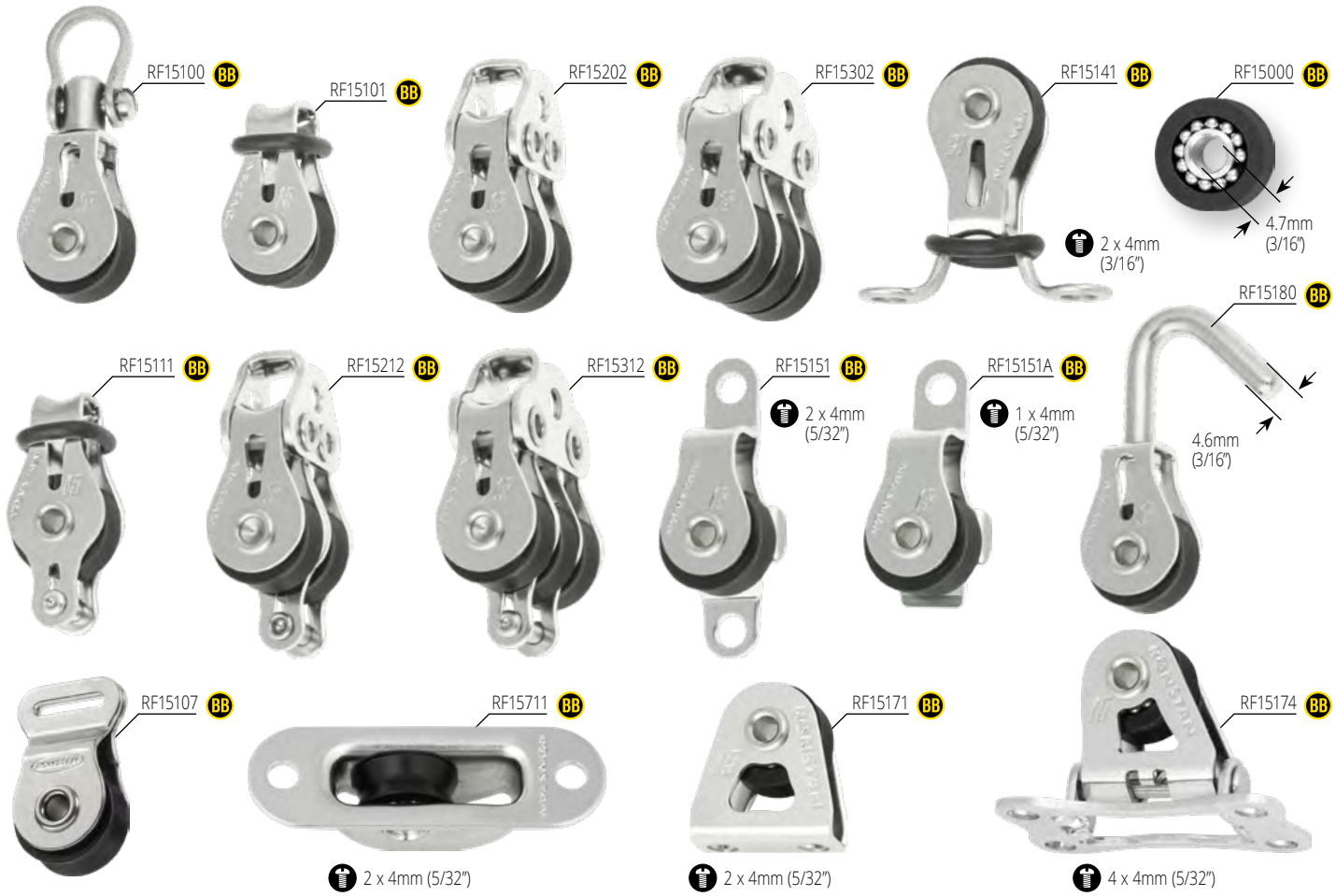
SERIES 15 AP ATTACHMENT OPTIONS


RF806S
4.8mm (3/16") pin,
suits RF662

- Control lines.
- Leech lines.
- Shock cord tensioning systems.

- Sheaves: UV stabilised acetal.
- Cheeks & rivets (Series 20): Grade 316 stainless steel.
- Frame/cheeks (RF13101): Impact resistant 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
Series 15 - AP All Purpose											
RF13101	Single block, loop head, black	15	4	150	300	5	5/8	5/32	330	660	0.2
RF13101G	Single block, loop head, grey	15	4	150	300	5	5/8	5/32	330	660	0.2
RF13101R	Single block, loop head, red	15	4	150	300	5	5/8	5/32	330	660	0.2
Series 20 - AP All Purpose											
RF661	Single block, tube rivet head	20	5	150	450	10	3/4	3/16	330	990	0.4
RF662	Double block, tube rivet head	20	5	300	600	20	3/4	3/16	660	1320	0.7
RF663	Single block, ferrule eye head	20	5	150	450	10	3/4	3/16	330	990	0.4
RF664	Linked blocks, S20 + S20	20	3	150	450	20	3/4	1/8	330	990	0.7
RF666	Single block, loop head	20	5	150	400	10	3/4	3/16	330	880	0.4



RF133
Suits loop head single blocks

- Smallest and lightest ball bearing block available.
- Precision moulded acetal sheave running on stainless steel ball bearings provides high performance and low friction.
- Single loop head blocks include an O-ring to separate running line from head lashing or fixing.
- RF15151 & RF15151A cheek blocks feature lateral supports for improved mounting stability.

RF613S - Suits RF15100
RF633S - Suits double and triple blocks

- RF15174 pivoting lead block has 4-point fastening for load distribution and low profile. Can be mounted without disassembly.
- RF15711 exit block has a formed single piece housing for maximum strength and minimal rope wear.
- RF15711 exit block has a flush rivet to minimise cutout dimensions and facilitate installation.

RF1851
Suits loop head single blocks

- Dinghy control lines.
- Vangs, cunninghams and tweakers.
- Shock cord tensioning systems.
- Sheaves: UV stabilised acetal.
- Ball bearings: Stainless steel.
- Cheeks & head fittings: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF15000	Sheave, captive BB, 7mm (9/32") width	15	5	-	-	120	-	2	5/8	3/16	-	-	260	-	0.1
RF15100	Single block, swivel shackle head	15	5	-	3	120	400	11	5/8	3/16	-	1/8	260	880	0.7
RF15101	Single block, loop head	15	5	-	-	120	550	7	5/8	3/16	-	-	260	1210	0.3
RF15107	Single block, suits 10mm (3/8") webbing	15	4	-	-	120	450	9.5	5/8	5/32	-	-	260	990	0.3
RF15111	Single block, becket, loop head	15	5	-	-	120	550	9	5/8	3/16	-	-	260	1210	0.3
RF15141	Stand-up block	15	5	-	-	120	550	10	5/8	3/16	-	-	260	1210	0.4
RF15151	Cheek block	15	5	-	-	120	550	9	5/8	3/16	-	-	260	1210	0.3
RF15151A	Cheek block, single mounting	15	5	-	-	120	360	9	5/8	3/16	-	-	260	790	0.3
RF15171	Upright lead block	15	5	-	-	120	550	9	5/8	3/16	-	-	260	1210	0.3
RF15174	Pivoting lead block	15	5	-	-	120	350	16	5/8	3/16	-	-	260	770	0.6
RF15180	Single block, swivel hook head	15	5	-	-	100	200	13	5/8	3/16	-	-	220	440	0.4
RF15202	Double block, loop head	15	5	-	-	240	700	23	5/8	3/16	-	-	530	1540	0.8
RF15212	Double block, becket, loop head	15	5	-	-	240	700	24	5/8	3/16	-	-	530	1540	0.9
RF15302	Triple block, loop head	15	5	-	-	360	850	28	5/8	3/16	-	-	790	1870	1.0
RF15312	Triple block, becket, loop head	15	5	-	-	360	850	30	5/8	3/16	-	-	790	1870	1.0
RF15711	Exit block	15	5	-	-	120	550	14	5/8	3/16	-	-	260	1210	0.5
RF133	Saddle, 9mm (3/8") internal clearance, suits 2 x 4mm (3/16") fasteners at 27mm (1 1/16") centres	-	-	-	-	-	-	2	-	-	-	-	-	-	0.1
RF613S	Shackle, slotted pin, suits RF15100	-	-	-	3	-	-	3	-	-	-	1/8	-	-	0.1
RF633S	Shackle, slotted pin, suits double & triple blocks	-	-	-	4	-	-	5	-	-	-	5/32	-	-	0.2
RF1851	Shackle, coined pin head, suits loop head single blocks	-	-	-	3	-	-	2	-	-	-	1/8	-	-	0.1

© Beau Outteridge


RF25109 BB


RF25209 BB


RF25309 BB

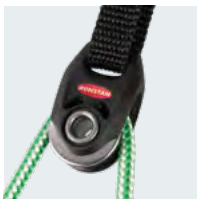

RF21107 BB

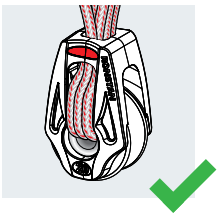

RF25109HL HHL

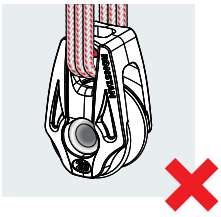

RF25209HL HHL

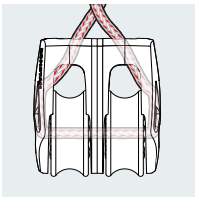

RF25151 BB

1 x 5mm (3/16″)
1 x 3mm (1/8″)


RF21107
with webbing
attachment






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


RF9003-07


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
BB Ball Bearing											
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
HHL High Grade Stainless Steel Sheave											
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
Accessories											
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*** for lashing instructions.

SERIES 20 UTILITY

RF498

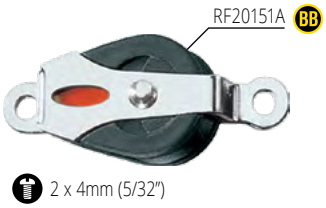
RF318
Suits RF20101 & RF20111

RF1850S
3mm (1/8") slotted pin, suits loop top single blocks
BL reduced to 500kg (1100lb)

- Precision moulded acetal sheaves running on stainless steel ball bearings provide high performance & low friction.
- SP versions feature a Nylatron® sheave suitable for rope and wire.
- High static and dynamic load capacity.
- Light weight.
- Versatile head fittings.
- Single blocks are available with swivel head or 2 way loop top.
- Double & triple blocks are supplied with shackle and have a 2 way head that can be fixed at 0° or 90°.
- Double & triple blocks allow the creation of powerful purchase systems.
- Upright lead blocks are available in low profile fixed or pivoting options.
- Linked blocks are used for dinghy barber haulers, cunninghams and spinnaker pole launching systems.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF20100	Single block, swivel shackle head	20	6	-	3	250	550	20	3/4	1/4	-	1/8	550	1210	0.7
RF20101	Single block, loop head	20	6	-	-	250	550	16	3/4	1/4	-	-	550	1210	0.6
RF20111	Single block, becket, loop head	20	6	-	-	250	550	18	3/4	1/4	-	-	550	1210	0.6
RF20141	Stand-up block	20	6	-	-	250	550	20	3/4	1/4	-	-	550	1210	0.7
RF20202	Double block, 2-axis shackle head	20	6	-	4	350	700	42	3/4	1/4	-	5/32	770	1540	1.5
RF20212	Double block, becket, 2-axis shackle head	20	6	-	4	350	700	44	3/4	1/4	-	5/32	770	1540	1.6
RF20281	Double block, in-line	20	6	-	-	250	550	28	3/4	1/4	-	-	550	1210	1.0
RF20284	Linked blocks, S20 & S20	20	6	-	-	250	550	30	3/4	1/4	-	-	550	1210	1.1
RF20302	Triple block, 2-axis shackle head	20	6	-	4	400	850	62	3/4	1/4	-	5/32	880	1870	2.2
RF20312	Triple block, becket, 2-axis shackle head	20	6	-	4	400	850	64	3/4	1/4	-	5/32	880	1870	2.3
RF20332	Triple block, becket, cam cleat, 2-axis shackle head	20	6	-	4	400*	850	122	3/4	1/4	-	5/32	880*	1870	4.3
SP Special Purpose - Nylatron® Sheave															
RF20101HL	Single block, loop head	20	6	3	-	275	550	14	3/4	1/4	1/8	-	610	1210	0.5

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



RF613S
3mm (1/8") pin, suits RF20100

RF615
4mm (5/32") pin, suits double & triple blocks

- Cheek blocks RF20151 and RF25151 have through-hub mounting for maximum strength.
- Cheek block RF20151A suits pop rivet mounting.
- RF20180 features a low profile swivelling hook for quick and easy attachment. Suits rope, stainless steel and webbing attachment points.
- RF25711 & RF25711HL exit blocks have a formed single piece housing for maximum strength and minimal rope wear.
- Dinghy control lines and vangs.
- Cunninghams.
- Traveller controls.
- Exit blocks minimise friction in lines passing through the deck or exiting masts and booms.
- BB Sheave: UV stabilised acetal, ball bearings: Grade 304 stainless steel.
- SP sheave: Self-lubricating Nylatron®.
- HHL sheave and bearing race: Grade 2205 stainless steel, ball bearings: Grade 304 stainless steel.
- Housing, load straps, head fittings & hook (RF20180): Grade 316 stainless steel

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RF20151	Cheek block	20	6	-	250	550	14	3/4	1/4	-	550	1210	0.5
RF20151A	Cheek block, rivet mount	20	6	-	200	550	17	3/4	1/4	-	440	1210	0.6
RF20171	Upright lead block	20	6	-	250	550	18	3/4	1/4	-	550	1210	0.6
RF20174	Pivoting lead block	20	6	-	250	550	30	3/4	1/4	-	550	1210	1.1
RF20175	Pivoting lead block, cleat	20	6	-	150*1	300	79	3/4	1/4	-	330*1	660	2.8
RF20180	Single block, swivel hook head	20	6	-	100	200	21	3/4	1/4	-	220	440	0.7
RF20184	Single block, loop mount	20	6	-	250	550	22	3/4	1/4	-	550	1210	0.8
RF25151	Cheek block	20	6	-	250	550	8	3/4	1/4	-	550	1210	0.3
RF25711*2	Exit block	20	6	-	250	1000	18	3/4	1/4	-	550	2200	0.6
HHL High Grade Stainless Steel Sheave													
RF25711HL*2	Exit block HHL	20	6	-	300	1100	22	3/4	1/4	-	660	2430	0.8
SP Nylatron®													
RF20000HL	Sheave, Nylatron®	20.0	6	3	-	-	2	3/4	1/4	1/8	-	-	0.1

*1 Line load through cleat not to exceed 125kg (275lb).
*2 Refer to the SUPPORT page at ***www.ronstan.com*** for mounting template.

SERIES 25 & 30 UTILITY

SERIES 25


RF571 AP


RF572 AP


RF2332 AP


RF573 AP

SERIES 30


RF280 AP


RF681 AP

SERIES 30


RF469 AP


RF469A AP


RF470 AP


RF443 AP


RF467 AP


RF567 AP


RF469A Cheek plates rotate to open block


SP RF667


SP RF560


SP RF418


SP RF418C


SP RF468


SP RF104


SP RF103

- Simple, versatile and economical blocks that have many uses.
- Lightweight, durable construction and acetal or Nylatron® sheaves.
- Stainless steel cheeks and acetal sheaves ensure long service life with virtually no maintenance required.
- Vang, cunningham and trapeze retriever systems on dinghies.
- Leech line tackles and bunk adjusters on larger yachts.
- AP Sheaves: UV stabilised acetal. SP Sheaves: Self-lubricating Nylatron®
- Cheeks & head fittings: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN/EYE DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN/EYE DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
Series 25 - AP All Purpose													
RF571	Single block, loop head	25	6	-	300	600	15	1	1/4	-	660	1320	0.5
RF572	Single block, becket, loop head	25	6	-	300	600	20	1	1/4	-	660	1320	0.7
RF573	Single block, swivel shackle head	25	6	4	150	300	20	1	1/4	5/32	330	660	0.7
RF2332	Single block, swivel ring head	25	6	10	150	300	20	1	1/4	3/8	330	660	0.7
Series 30 - AP All Purpose													
RF280	Single block, loop head	30	8	-	300	600	20	1 1/8	5/16	-	660	1320	0.7
RF443	Single block, swivel ring head	30	10	13	250	500	44	1 1/8	3/8	1/2	550	1100	1.6
RF467	Single block, swivel shackle head	30	10	5	250	500	50	1 1/8	3/8	3/16	550	1100	1.8
RF469	Single block, ferrule eye head	30	10	10	300	600	40	1 1/8	3/8	3/8	660	1320	1.4
RF469A	Single block, snatch	30	10	10	300	600	40	1 1/8	3/8	3/8	660	1320	1.4
RF470	Single block, becket, ferrule eye head	30	10	10	300	600	45	1 1/8	3/8	3/8	660	1320	1.6
RF567	Single block, becket, swivel shackle head	30	10	5	250	500	55	1 1/8	3/8	3/16	550	1100	1.9
RF681	Single block, becket, loop head	30	8	-	300	600	25	1 1/8	5/16	-	660	1320	0.9
Wire Blocks - SP Special Purpose, Nylatron® Sheave													
RF103	Single block, tubular rivet head, removable sheave	45	6	6	850	1700	88	1 3/4	1/4	1/4	1870	3740	3.1
RF104	Single block, ferrule top, removable sheave	45	6	6	850	1700	80	1 3/4	1/4	1/4	1870	3740	2.8
RF418	Single block, tubular rivet head	25	3	3	450	900	40	1	1/8	1/8	990	1980	1.4
RF418C	Single block, removable clevis pin head	25	3	3	450	900	39	1	1/8	1/8	990	1980	1.4
RF468	Single block, ferrule top, removable sheave	25	3	3	450	900	33	1	1/8	1/8	990	1980	1.2
RF560	Single block, ferrule eye	20	3	3	250	500	20	3/4	1/8	1/8	550	1100	0.7
RF667	Single block, loop top	20	2	2	200	400	20	3/4	3/32	3/32	440	880	0.7

SERIES 25

SERIES 30

2 x 4mm (5/32")

SERIES 30

RF807
4.8mm (3/16") pin, suits single and fiddle blocks

- Simple, versatile and economical blocks that have many uses.
- Lightweight, durable construction.
- Stainless steel cheeks and acetal sheaves ensure long service life with virtually no maintenance required.
- Hollow rivets accept fixing screws, shackles or can be used as a becket for extra purchase.
- V-jam cleats allow fast secure cleating of control lines.
- Vang, cunningham and trapeze retriever systems on dinghies.
- Leech line tackles and bunk adjusters on larger yachts.
- Sheaves: UV stabilised acetal.
- Cheeks: Grade 316 stainless steel.

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
Series 25 - AP All Purpose											
RF341	Single block, becket, v-jam cleat, removable pin head	25	5	225	450	30	1	3/16	500	990	1.1
RF343	Triple block, becket, v-jam cleat, loop head	25	5	500	1000	75	1	3/16	1100	2200	2.6
RF2335	Single block, narrow, tube rivet head	25	5	175	350	65	1	3/16	390	770	2.3
Series 30 - AP All Purpose											
RF81	Double block, loop head	30	8	300	600	40	1 1/8	5/16	660	1320	1.4
RF82	Triple block, loop head	30	8	550	1100	60	1 1/8	5/16	1210	2420	2.1
RF83	Double block, becket, loop head	30	8	300	600	50	1 1/8	5/16	660	1320	1.8
RF185	Single block, tube rivet head	30	8	300	900	20	1 1/8	5/16	660	1980	0.7
RF186	Fiddle block, tube rivet head	30 + 40	8	300	600	50	1 1/8 + 1 9/16	5/16	660	1320	1.8
RF187	Fiddle block, v-jam cleat, tube rivet head	30 + 40	8	300	600	60	1 1/8 + 1 9/16	5/16	660	1320	2.1
RF188	Single block, becket, tube rivet head	30	8	300	600	35	1 1/8	5/16	660	1320	1.2
RF285	Cheek block, curved base	30	8	300	600	42	1 1/8	5/16	660	1320	1.5
RF417	Double block, tube rivet head	30	8	450	1300	40	1 1/8	5/16	990	2860	1.4

SERIES 30 ORBIT

RF35109HL HHL

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

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

RF35100 BB
RF35100D SP

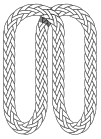
RF35202 BB

RF35302 BB

RF35101 BB
RF35101D SP

RF35212 BB

RF35312 BB



RF9004-11
Suits single blocks as a lashing strop.
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*** 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
BB Ball Bearing													
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*1, non-swivel shackle head	30	8	-	450*2	900	57	1 3/16	5/16	-	990*2	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*1, non-swivel shackle head	30	8	-	550*3	1100	81	1 3/16	5/16	-	1210*3	2430	2.9
HHL High Grade Stainless Steel Sheave													
RF35109HL	Single block HHL, lashing hub and becket option	30	8	-	550*4	1650*4	42	1 3/16	5/16	-	1210*4	3630*4	1.5
SP Special Purpose - Nylatron® Sheave													
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

*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 4:1 system at rated block load.
*3 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.
*4 Both the MWL and BL are dependent on the strength of the line used to lash the block through the central hub.


RF35322 BB


RF35332 BB


RF35151 BB

2 x 4mm (5/32")


RF9003-07

Double and triple blocks can be converted to soft attachment with RF9003-07


RF35000 BB

10mm (3/8")


RF35284 BB


RF35286 BB


RF35100A BB


RF35140 BB

2 x 4mm (5/32")


RF35141 BB

2 x 5mm (3/16")

- 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.

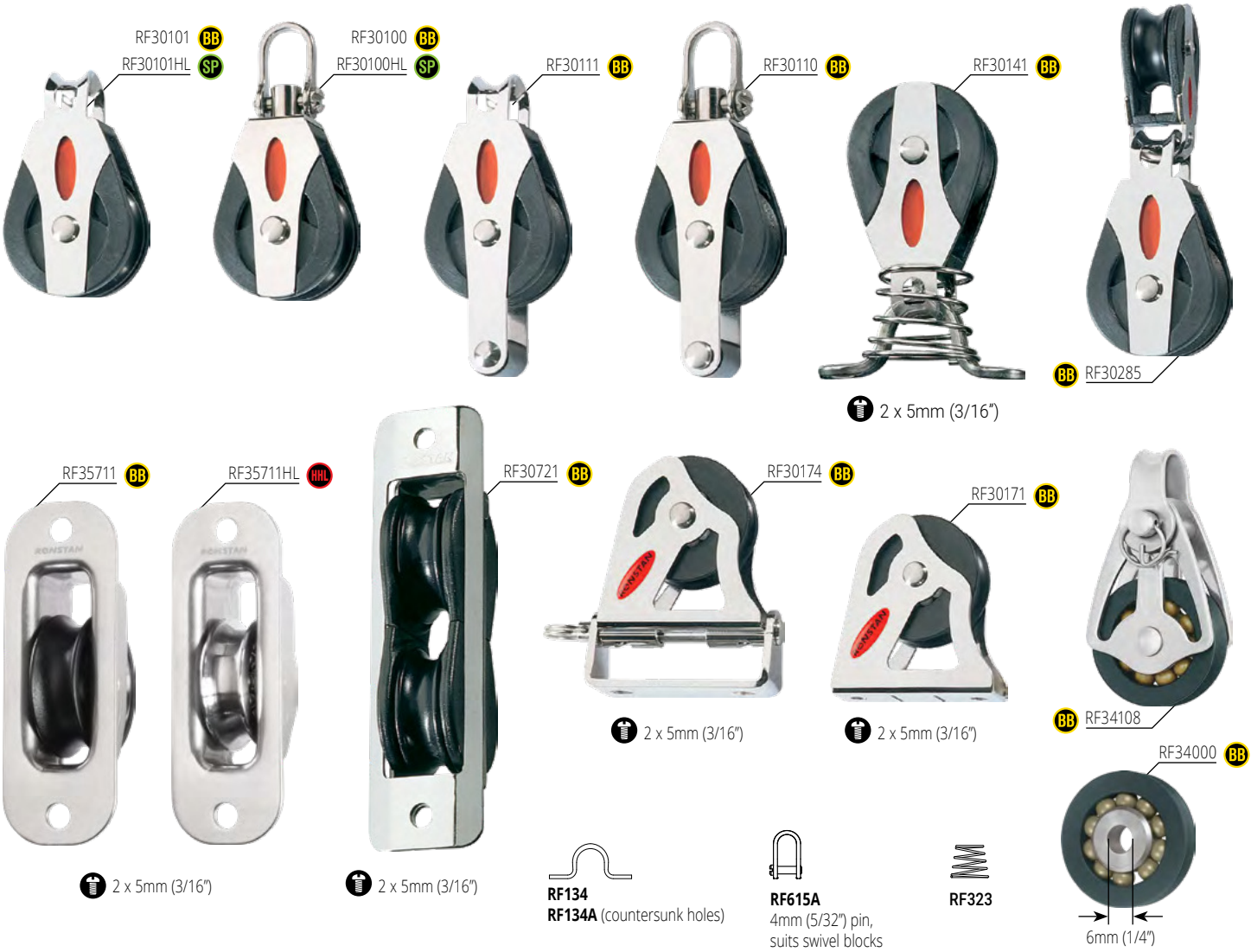
- Sheaves: High compression strength acetal.
- Ball bearings: High compression strength acetal.
- Frame/cheeks: Toughened, glass fibre reinforced nylon.
- Head fittings & hubs: Grade 316 stainless steel.

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
BB 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*3	1100	130	1 3/16	5/16	-	1210*3	2430	4.6
RF35332	Triple block, becket*1, cleat, non-swivel shackle head	30	8	-	550*2&3	1100	132	1 3/16	5/16	-	1210*2&3	2430	4.7

Spare Parts & Conversion Accessories		Blocks suited:
RF9003-07	Dyneema® link to suit S30 double & triple Orbit Blocks™	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).

SERIES 30 UTILITY



- Linked blocks are used for barber haulers, cunninghams and spinnaker pole launching systems.
- Primary lead blocks on dinghies and catamarans.
- Control lines on larger yachts.
- Exit blocks minimise friction in lines passing through the deck or exiting masts and booms.
- Upright lead blocks are a low profile solution for leading halyards or other rig and sail controls back to cleats or jammers. Pivoting version suits controls that need to be trimmed from either side of the boat.
- BB sheaves: UV stabilised acetal.
- SP sheaves: Self-lubricating Nylatron®.
- Ball bearings: Acetal (RF34000 & RF34108 use Torlon® ball bearings).
- Cheeks: Impact modified, fibre reinforced and UV stabilised nylon.
- Load straps & head fittings: Grade 316 stainless steel.
- Frame/cheeks (RF34108): Grade 316 Stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF30100	Single block, swivel shackle head	30	8	-	4	300	750	34	1 3/16	5/16	-	5/32	660	1650	1.2
RF30101	Single block, loop head	30	8	-	-	300	750	28	1 3/16	5/16	-	-	660	1650	1.0
RF30110	Single block, becket, swivel shackle head	30	8	-	4	300	750	40	1 3/16	5/16	-	5/32	660	1650	1.4
RF30111	Single block, becket, loop head	30	8	-	-	300	750	34	1 3/16	5/16	-	-	660	1650	1.2
RF30141	Stand-up block	30	8	-	-	300	750	38	1 3/16	5/16	-	-	660	1650	1.3
RF30174	Pivoting lead block	30	8	-	-	300	650	50	1 3/16	5/16	-	-	660	1430	1.8
RF30285	Linked blocks, S30 & S20	30+20	8+6	-	-	250	550	44	1 3/16+3/4	5/16+1/4	-	-	550	1210	1.6
RF34000	Sheave, alloy, Torlon® balls	30	5	-	-	165	330	10	1 3/16	3/16	-	-	360	730	0.4
RF34108	Single, removable loop head, alloy sheave, Torlon® balls	30	5	-	6	165	675	36	1 3/16	3/16	-	1/4	360	1490	1.3
RF35711*	Single exit block	30	8	-	-	300	1100	34	1 3/16	5/16	-	-	660	2430	1.2
RF30721	Double exit block	30	8	-	-	300	750	60	1 3/16	5/16	-	-	660	1650	2.1
SP Special Purpose - Nylatron® Sheave															
RF30100HL	Single block, swivel shackle head	30	8	3	4	375	750	28	1 3/16	5/16	1/8	5/32	830	1650	1.0
RF30101HL	Single block, loop head	30	8	3	-	375	750	28	1 3/16	5/16	1/8	-	830	1650	1.0
HHL High Grade Stainless Steel Sheave															
RF35711HL*	Single exit block	30	8	-	-	550	1100	56	1 3/16	5/16	-	-	1210	2430	2.0

*Refer to the SUPPORT page at ***www.ronstan.com*** for mounting template.


RF48109 BB

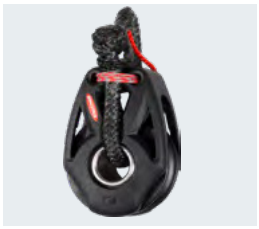

RF48209 BB


RF48109HL HHL


RF48100 BB


RF48140 BB

2 x 5mm (3/16")



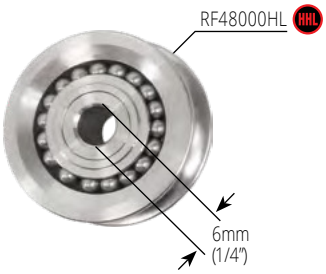

RF48109 and RF48109HL
Cheek plates rotate to
open block


RF48151 BB

2 x 6mm (1/4")


RF48000 BB

6mm
(1/4")


RF48000HL HHL

6mm
(1/4")


DSH-4GRY

Suits RF48109


DSH-6GRY

Suits RF48109HL,
RF48209

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

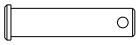
- 2-stage ball bearing system.
- RF48100, RF48109, RF48209 & RF48109HL - integrated becket.
- RF48109 & RF48109HL can be opened and used as a snatch block.
- RF48100 stainless steel shackle head for unlimited block rotation, and compatibility with sharp fixing points.

- 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
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	-	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

SERIES 40 ORBIT



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.

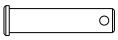
- Mainsheet systems and spinnaker sheets on dinghies, off-the-beach catamarans and sportsboats to 8m (26ft).
- Halyard, vang and backstay applications on boats to 8m (26ft).
- Control line applications on larger yachts.

- BB Sheave and balls: High compression strength acetal.
- HHL sheave and bearing race: Grade 2205 stainless steel 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.

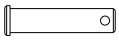
PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RF48120	Single block, adjustable cleat, swivel shackle head	40	10	4	175*1	800	176	1 9/16	3/8	5/32	385*1	1760	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 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.

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 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 Ball Bearing													
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*1	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).

SPORTS BLOCKS

SERIES 40 ORBIT

© Shirley Wodson

RF615
4mm (5/32") pin

Becket link

- 2-stage ball bearing system.
- RF45521 Composite C-Cleat™ and fairlead.
- Use RF9003-07 Dyneema® as 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 nylon.
- Ball bearings: High compression strength acetal.
- Stage 2 bearing: Glass fibre reinforced, MoS_2 impregnated nylon.
- Frame/cheeks: Toughened, 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
BB Ball Bearing													
RF45101	Single block, Dyneema® link head	40	9	-	325	700	33	1 9/16	5/16	-	715	1540	1.2
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, RF45501, RF45521											

*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


RF46151 BB

2 x 4mm (5/32")


RF46151A BB

2 x 4mm (5/32")


RF40001


RF9003-07


RF615
4mm (5/32") pin, suits RF46100 & RF46100M


RF4

2 x 5mm (3/16")


RF2454
RF2454B

2 x 5mm (3/16")

0° or 90° stand-up

- 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.
- 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
BB Ball Bearing													
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™	RF45101, RF45501, RF45521, RF46101, RF46102					
Spare Parts - Link Retainer Clips							
RF40001	S40 single & fiddle Orbit Blocks™ (2 pack)	RF45101, RF45501, RF45521, RF46101, RF46102					

SERIES 40 UTILITY


RF40101 BB


RF40100 BB
RF40100HL SP


RF40200 BB


RF40300 BB


RF40111 BB


RF40110 BB


RF40210 BB


RF40310 BB


RF150
4.8mm
(3/16") pin


RF134
RF134A (countersunk holes)


RF321
Suits shackle
head blocks


RF2454
Suits loop
head blocks

RF41010
Snap-in keyhole
becket pin

- 2-stage ball bearing system.
- Light weight.
- Removable becket pins allow lines to be spliced prior to fitting and are locked into position without the use of split rings or tools.
- Cheek cut-outs for easy bearing maintenance.
- SP versions feature a Nylatron® sheave suitable for both rope and wire.
- Captive Lock™ universal head can be fixed at 0° or 90°, or left free to swivel on single blocks.
- Double & triple blocks have a swivel shackle head for full 360° rotation.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF40100	Single block, universal head	40	10	-	5	350	1000	70	1 9/16	3/8	-	3/16	770	2200	2.5
RF40101	Single block, loop head	40	10	-	-	350	1000	53	1 9/16	3/8	-	-	770	2200	1.9
RF40110	Single block, becket, universal head	40	10	-	5	350	1000	79	1 9/16	3/8	-	3/16	770	2200	2.8
RF40111	Single block, becket, loop head	40	10	-	-	350	1000	60	1 9/16	3/8	-	-	770	2200	2.1
RF40200	Double block, swivel shackle head (non-locking)	40	10	-	5	500	1200	134	1 9/16	3/8	-	3/16	1100	2650	4.7
RF40210	Double block, becket, swivel shackle head (non-locking)	40	10	-	5	500	1200	142	1 9/16	3/8	-	3/16	1100	2650	5.0
RF40300	Triple block, swivel shackle head (non-locking)	40	10	-	5	600	1400	194	1 9/16	3/8	-	3/16	1320	3090	6.9
RF40310	Triple block, becket, swivel shackle head (non-locking)	40	10	-	5	600	1400	209	1 9/16	3/8	-	3/16	1320	3090	7.4
SP Special Purpose - Nylatron® Sheave															
RF40100HL	Single block, universal head	40	10	4	5	500	1000	69	1 9/16	3/8	5/32	3/16	1100	2200	2.4


RF40500 BB


RF40510 BB


RF40520 BB


RF40530 BB


RF40140 BB

2 x 5mm (3/16")


RF40171 BB

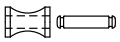

RF44108 BB


RF44000 BB

6mm (7/32")


RF6170


RF150
4.8mm (3/16") pin, suits single and fiddle blocks


RF41010
snap-in keyhole becket pin

- Snap shackle adapters suit single & fiddle blocks.
- Low profile stand-up block has swivel head post to allow full articulation and rotation.
- Mainsheet, halyard, vang and spinnaker control lines on off-the-beach catamarans, one design classes and sportsboats up to 8m (26ft).
- Ball bearings: Acetal.
- BB sheaves: UV stabilised acetal (RF44000 & RF44108 Torlon® ball bearings).
- SP sheaves: Self-lubricating Nylatron®.
- Cheeks: Impact modified, fibre reinforced and UV stabilised nylon.
- Load straps & head fittings: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF40140	Stand-up block, swivel shackle head	40	10	-	-	350	800	71	1 9/16	3/8	-	-	770	1760	2.5
RF40171	Upright lead block	40	10	-	-	350	1000	60	1 9/16	3/8	-	-	770	2200	2.1
RF44000	Sheave, alloy, Torlon® balls	40	6	-	-	-	-	15	1 9/16	1/4	-	-	-	-	0.5
RF44108	Single block, removable loop head, alloy sheave, Torlon® balls	40	6	-	6	240	1100	60	1 9/16	1/4	-	7/32	530	2430	2.1
RF40500	Fiddle block, universal head	40 + 24	8	-	5	350	1000	90	1 9/16 + 15/16	5/16	-	3/16	770	2200	3.2
RF40510	Fiddle block, becket, universal head	40 + 24	8	-	5	350	1000	97	1 9/16 + 15/16	5/16	-	3/16	770	2200	3.4
RF40520	Fiddle block, adjustable cleat, universal head	40 + 24	8	-	5	350*	1000	156	1 9/16 + 15/16	5/16	-	3/16	770	2200	5.5
RF40530	Fiddle block, becket, adjustable cleat, universal head	40 + 24	8	-	5	350*	1000	163	1 9/16 + 15/16	5/16	-	3/16	770*	2200	5.7
Accessories															
RF6170	Snap shackle head adapter	-	-	-	5	500	1000	49	-	-	-	3/16	1100	2200	1.7

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

SERIES 40 UTILITY

RF150 4.8mm (3/16") pin

RF41010 Snap-in keyhole becket pin

RF134 **RF134A** (countersunk holes)

RF321 Suits shackle head blocks

RF2454 Suits loop head blocks

- Self-lubricating acetal polymer sheave ensures low friction and extreme durability.
- High static and dynamic load capacity.
- Long service life, virtually maintenance free.
- Captive Lock™ universal head can be fixed at 0° or 90°, or left free to swivel on single blocks.
- Double & triple blocks have a swivel shackle head for full 360° rotation (non-locking).
- Removable becket pins allow lines to be spliced prior to fitting and are locked into position without the use of split rings or tools.
- Low profile stand-up block has swivel head post to allow full articulation and rotation.

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
AP All Purpose													
RF41100	Single block, universal head	40	10	5	400	1000	71	1 9/16	7/16	3/16	880	2200	2.5
RF41101	Single block, loop head	40	10	-	400	1000	54	1 9/16	7/16	-	880	2200	1.9
RF41110	Single block, becket, universal head	40	10	5	400	1000	80	1 9/16	7/16	3/16	880	2200	2.8
RF41111	Single block, becket, loop head	40	10	-	400	1000	61	1 9/16	7/16	-	880	2200	2.2
RF41140	Stand-up block, swivel head	40	10	-	400	800	72	1 9/16	7/16	-	880	1760	2.5
RF41200	Double block, swivel shackle head (non-locking)	40	10	5	600	1200	135	1 9/16	7/16	3/16	1320	2650	4.8
RF41210	Double block, becket, swivel shackle head (non-locking)	40	10	5	600	1200	143	1 9/16	7/16	3/16	1320	2650	5.0
RF41300	Triple block, swivel shackle head (non-locking)	40	10	5	700	1400	195	1 9/16	7/16	3/16	1540	3090	6.9
RF41310	Triple block, becket, swivel shackle head (non-locking)	40	10	5	700	1400	209	1 9/16	7/16	3/16	1540	3090	7.4


RF41500 AP

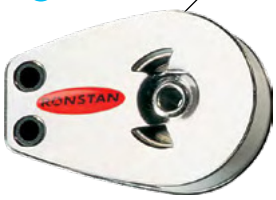

RF41510 AP


RF41520 AP


RF41530 AP


RF41171 AP

2 x 5mm (3/16")


RF41151 AP

3 x 5mm (3/16")


RF41153

3 x 5mm (3/16")


RF41811 AP

3 x 6mm (1/4")


RF6170

- Curved base adapter for cheek block facilitates mounting on masts or booms.
- Fiddle blocks are ideal for fine-tune mainsheet tackles, cunninghams, boom vangs, backstays and other control line purchase systems.
- Captive Lock™ universal head can be fixed at 0° or 90°, or left free to swivel on single blocks.
- Quick adjusting cleat arms require no tools to adjust and fix in desired position.
- Snap shackle adapter suits single and fiddle blocks.
- Mainsheet and halyard applications, vang and spinnaker control lines on off-the-beach boats and small keelboats up to 8m (26ft).
- Sheaves: UV stabilised acetal.
- Cheeks: Impact modified, fibre reinforced and UV stabilised nylon.
- Load straps & head fittings: Grade 316 stainless steel.

RODUCT 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
AP All Purpose													
RF41151	Cheek block, stainless steel cheeks	40	10	-	400	1000	66	1 9/16	3/8	-	880	2200	2.3
RF41171	Upright lead block	40	10	4	400	1000	59	1 9/16	3/8	5/32	800	2200	2.1
RF41500	Fiddle block, universal head	40 + 24	8	5	400	1000	91	1 9/16 + 15/16	5/16	3/16	880	2200	3.2
RF41510	Fiddle block, becket, universal head	40 + 24	8	5	400	1000	98	1 9/16 + 15/16	5/16	3/16	880	2200	3.5
RF41520	Fiddle block, adjustable cleat, universal head	40 + 24	8	5	375*1	1000	157	1 9/16 + 15/16	5/16	3/16	825*1	2200	5.5
RF41530	Fiddle block, becket, adjustable cleat, universal head	40 + 24	8	5	400*2	1000	164	1 9/16 + 15/16	5/16	3/16	880*2	2200	5.8
RF41811	Cheek block, aluminium cheeks	40	12	-	400	1000	65	1 9/16	1/2	-	880	2200	2.3
Accessories													
RF6170	Snap shackle head adapter	-	-	5	500	1000	49	-	-	3/16	1100	2200	1.7
RF41153	Curved surface adapter for RF41151 cheek block	-	-	-	-	-	9	-	-	-	-	-	0.3

*1 MWL based on maximum allowable line load through cleat of 125kg (275lb), 3:1 purchase.
*2 Line load through cleat not to exceed 125kg (275lb).

SERIES 50 UTILITY


RF50101 BB


RF50100 BB
RF50100HL SP


RF50110 BB


RF50200 BB


RF50500 BB


RF50530 BB


RF6170


RF50171 BB

2 x 6mm (1/4")

RF150
4.8mm (3/16") pin, suits single & fiddle blocks

RF151
6mm (1/4") pin, suits double block

RF1055
Suits shackle head blocks

RF321
Suits single & fiddle swivel shackle head blocks

RF51010
Snap-in keyhole becket pin

- 2-stage ball bearing system.
- High static and dynamic load capacity.
- Removable becket pins allow lines to be spliced prior to fitting and are locked into position without the use of split rings or tools.
- Cheek cut-outs for easy bearing maintenance.
- Snap shackle adapter adds functionality to single and fiddle blocks.
- Ball bearings: Acetal.
- BB sheaves: UV stabilised acetal.
- SP sheave: Self-lubricating Nylatron®.
- Cheeks: Impact modified, fibre reinforced and UV stabilised nylon.
- Load straps & head fittings: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	MAX. WIRE in.	PIN DIAM. in.	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF50100	Single block, universal head	50	12	-	5	500	1500	117	2	1/2	-	3/16	1100	3310	4.1
RF50101	Single block, loop head	50	12	-	-	500	1500	97	2	1/2	-	-	1100	3310	3.4
RF50110	Single block, becket, universal head	50	12	-	5	500	1500	133	2	1/2	-	3/16	1100	3310	4.7
RF50171	Upright lead block	50	12	-	-	500	1500	116	2	1/2	-	-	1100	3310	4.1
RF50200	Double block, swivel shackle head (non-locking)	50	12	-	6	800	2000	254	2	1/2	-	1/4	1760	4410	9.0
RF50500	Fiddle block, universal head	54 + 34	10	-	5	500	1500	166	2 1/8 + 1 5/16	3/8	-	3/16	1110	3310	5.9
RF50530	Fiddle block, becket, adjustable cleat, universal head	54 + 34	10	-	5	500*	1500	371	2 1/8 + 1 5/16	3/8	-	3/16	1110*	3310	11.2
SP Special Purpose - Nylatron® Sheave															
RF50100HL	Single block, universal head	50	12	5	5	750	1500	117	2	1/2	3/16	3/16	1650	3310	4.1
Accessories															
RF6170	Snap shackle head adapter	-	-	-	5	500	1000	49	-	-	-	3/16	1100	2200	1.7

* Line load through cleat not to exceed 175kg (385lb).

SERIES 50 & 60 UTILITY

RF150
4.8mm (3/16") pin, suits single and fiddle blocks

RF151
6mm (1/4") pin, suits S50 double and triple blocks & S60 single block

RF1055
Suits shackle head blocks

RF321
Suits swivel shackle head blocks

RF51010
Snap-in keyhole becket pin

- Self-lubricating acetal polymer sheave ensures low friction and extreme durability.
- High static and dynamic load capacity.
- Long service life, virtually maintenance free.
- Captive Lock™ universal head can be fixed at 0° or 90°, or left free to swivel on S50 single and fiddle blocks.
- Double & triple blocks have a swivel shackle head for full 360° rotation (non-locking).
- Removable becket pins allow lines to be spliced prior to fitting and are locked into position without the use of split rings or tools.

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
Series 50 - AP All Purpose													
RF51100	Single block, universal head	50	12	5	750	1500	118	2	1/2	3/16	1650	3310	4.2
RF51101	Single block, loop head	50	12	-	750	1500	98	2	1/2	-	1650	3310	3.5
RF51110	Single block, becket, universal head	50	12	5	750	1500	134	2	1/2	3/16	1650	3310	4.7
RF51111	Single block, becket, loop head	50	12	-	750	1500	114	2	1/2	-	1650	3310	4.0
RF51200	Double block, swivel shackle head (non-locking)	50	12	6	1000	2000	255	2	1/2	1/4	2200	4410	9.0
RF51210	Double block, becket, swivel shackle head (non-locking)	50	12	6	1000	2000	271	2	1/2	1/4	2200	4410	9.6
RF51300	Triple block, swivel shackle head (non-locking)	50	12	6	1200	2400	369	2	1/2	1/4	2650	5290	13.0
Series 60 - AP All Purpose													
RF66100	Single block, swivel shackle head (non-locking)	60	14	6	1100	2200	248	2 3/8	9/16	1/4	2430	4850	8.7


RF51500 AP


RF51510 AP


RF51530 AP


RF6170


RF51140 AP

2 x 5mm (3/16")


RF51171 AP

2 x 6mm (1/4")


RF51151 AP

3 x 6mm (1/4")

- Fiddle blocks are ideal for fine-tune mainsheet tackles, cunninghams, boom vangs, backstays and other control line purchase systems.
- Snap shackle adapter adds functionality to single and fiddle blocks.
- Quick adjusting cleat arms require no tools to adjust and fix in desired position.
- Low profile stand-up block has a swivel head post to allow full articulation and rotation.
- Mainsheet and halyard applications, vang and spinnaker control lines on boats to 10m (33ft).
- Sheaves: UV stabilised acetal.
- Cheeks: Impact modified, fibre reinforced and UV stabilised nylon.
- Load straps & head fittings: Grade 316 stainless steel bearing race.

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
AP All Purpose													
RF51140	Stand-up block, swivel head	50	12	-	500	1000	118	2	1/2	-	1100	2200	4.2
RF51151	Cheek block, aluminium cheeks	50	12	-	500	1000	85	2	1/2	-	1100	2200	3.0
RF51171	Upright lead block	50	12	-	750	1500	115	2	1/2	-	1650	3310	4.1
RF51500	Fiddle block, universal head	54 + 34	10	5	750	1500	167	2 1/8 + 1 5/16	3/8	3/16	1650	3310	5.9
RF51510	Fiddle block, becket, universal head	54 + 34	10	5	750	1500	176	2 1/8 + 1 5/16	3/8	3/16	1650	3310	6.2
RF51530	Fiddle block, becket, adjustable cleat, universal head	54 + 34	10	5	700*	1500	318	2 1/8 + 1 5/16	3/8	3/16	1540*	3310	11.2
Accessories													
RF6170	Snap shackle head adapter	-	-	5	500	1000	49	-	-	3/16	1100	2200	1.7

* MWL based on maximum allowable line load through cleat of 175kg (385lb), 4:1 purchase.

SERIES 55 ORBIT


Integrated becket

9:1 MAINSHEET SYSTEM

RF150
4.8mm (3/16") pin.

- 2-stage ball bearing system.
- Swivel shackle head for unlimited block rotation.
- Single inner cheeks on multi-sheave blocks for reduced weight and bulk.
- Ultra-low profile integrated becket.
- Mainsheet systems on dinghies, catamarans, sportsboats and small keelboats to 9m (30ft).
- RF55410 when paired with a RF56330B and a RF45209 lashed to the becket with a RF9004-09 or DSH-6GRY, produces a powerful 9:1 mainsheet system for use on catamarans to 5.5m (18ft). 8mm (5/16") rope recommended.
- Halyard, vang and backstay applications on boats to 8m (26ft).
- Control line applications on larger yachts.
- Swivel shackle head fitting: 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
BB Ball Bearing													
RF55110	Single block, becket, swivel shackle head	55	10	5	500*1	1000	88	2 5/32	3/8	3/16	1100*1	2200	3.1
RF55210	Double block, becket, swivel shackle head	55	10	5	750*2	1500	172	2 5/32	3/8	3/16	1650*2	3300	6.1
RF55310	Triple block, becket, swivel shackle head	55	10	5	750*2	1500	244	2 5/32	3/8	3/16	1650*2	3300	8.6
RF55410	Quad block, becket, swivel shackle head	55	10	5	750*2	1500	316	2 5/32	3/8	3/16	1650*2	3300	11.2

*1 Total block load. Load on becket not to exceed 50% of block load. i.e. MWL 250kg (550lb), BL 500kg (1100lb). Suitable for 2:1 system at rated block load.
*2 Total block load. Load on becket not to exceed 33% of block load. i.e. MWL 250kg (550lb), BL 500kg (1100lb).


RF55101 BB


RF55111 BB


RF55171 BB

2 x 6mm (1/4")


RF55151 BB

3 x 5mm (3/16")


RF55201 BB


RF55301 BB


Integrated becket


Low profile head

- Single inner cheeks on doubles and triples for reduced weight and bulk.
- RF55111 - Ultra-low profile integrated becket.
- RF55151 - Recessed underside suits flat or curved mounting surface.

- Mainsheet systems and spinnaker sheets on dinghies, sportsboats and small keelboats to 9m (30ft).
- Halyard, vang and backstay applications on boats to 8m (26ft).

- Control line applications on larger yachts.

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 Ball Bearing													
RF55101	Single block, Dyneema® link head	55	10	-	500	1000	68	2 5/32	3/8	-	1100	2200	2.4
RF55111	Single block, becket, Dyneema® link head	55	10	-	500*	1000	75	2 5/32	3/8	-	1100*	2200	2.6
RF55151	Cheek block	55	10	-	500	1000	70	2 5/32	3/8	-	1100	2200	2.5
RF55171	Upright lead block	55	10	-	500	1000	91	2 5/32	3/8	-	1100	2200	3.2
RF55201	Double block, Dyneema® link head	55	10	-	800	1600	134	2 5/32	3/8	-	1765	3520	4.7
RF55301	Triple block, Dyneema® link head	55	10	-	1000	2000	205	2 5/32	3/8	-	2200	4410	7.2

* Total block load. Load on becket not to exceed 50% of block load. i.e. MWL 250kg (550lb), BL 500kg (1100lb). Suitable for 2:1 system at rated block load.

SPORTS BLOCKS

SERIES 55 ORBIT

© Seascape

RF55501 BB

RF55521 BB

RF9004-09

Removable Dyneema® link & retainer clip

Adjustable cleat arms

Becket link

- RF55521 - Composite C-Cleat™ and fairlead.
- Sheave: Carbon fibre reinforced nylon.
- Ball bearings: High compression strength acetal.
- Stage 2 bearing: Carbon fibre reinforced nylon.
- Frame/cheeks: Toughened, 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
BB Ball Bearing													
RF55501	Fiddle block*1, Dyneema® link head	55 + 35	10	-	500	1000	95	2 5/32 + 1 3/8	3/8	-	1100	2200	3.4
RF55521	Fiddle block*1, adjustable cleat, Dyneema® link head	55 + 35	10	-	500*2	1000	232	2 5/32 + 1 3/8	3/8	-	1100*2	2200	8.1

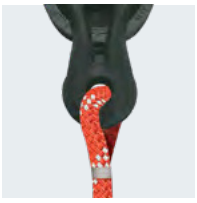
Accessories		Blocks Suited
RF9003-09	Use as head and becket link	RF55501, RF55521

*1 Small fiddle block sheave has a high load full contact bearing (i.e. not ball bearing). Main sheave has 2-stage, ball bearing.
*2 Line load through cleat not to exceed 175kg (385lb).


Adjustable cleat arms


0° or 90° stand-up

2 x 6mm (1/4")


Integrated low profile becket


RF150
4.8mm (3/16") pin.

- RF55530 - Composite C-Cleat™ and fairlead.
- Ultra-low profile integrated hollow hub becket.
- Swivel shackle head for unlimited block rotation.
- Mainsheet and vang systems on dinghies, sportsboats and small keelboats to 9m (30ft).
- Control line applications on larger yachts.
- Sheave: Carbon fibre reinforced nylon.
- Ball bearings: High compression strength acetal.
- Stage 2 bearing: Carbon fibre reinforced nylon.
- Frame/cheeks: Toughened, glass fibre reinforced nylon.
- Swivel shackle head fitting: Grade 316 stainless steel.
- 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
BB Ball Bearing													
RF55510	Fiddle block*1, becket, swivel shackle head	55 + 35	10	5	500*2	1000	101	2 5/32 + 1 3/8	3/8	3/16	1100*2	2200	3.6
RF55530	Fiddle block*1, becket, adjustable cleat, swivel shackle head	55 + 35	10	5	500*2	1000	237	2 5/32 + 1 3/8	3/8	3/16	1100*2	2200	8.4
Accessories													
RF2455	Stand-up base, suits S55 Orbit Blocks™ - boot & saddle	-	-	-	500	1000	26	-	-	-	1100	2200	0.9
RF2455B	Stand-up boot, suits S55 Orbit Blocks™ - boot only	-	-	-	-	-	11	-	-	-	-	-	0.4

Dyneema® Links		Blocks Suited
RF9004-08	Link to suit S55 single & fiddle Orbit Blocks™	RF55101, RF55111, RF55501, RF55511, RF55521, RF55531, RF56101
RF9004-09	Link to suit S55 9:1 mainsheet system (see page 30)	Connecting RF45209 to RF56330B
RF9005-10	Link to suit S55 double & triple Orbit Blocks™	RF55201, RF55301

Link Retainers Clips (2 pack)		Blocks Suited
RF50001	Clip to suit S55 single & fiddle Orbit Blocks™	RF55101, RF55111, RF55501, RF55511, RF55521, RF55531, RF56101
RF50002	Clip to suit S55 double Orbit Blocks™	RF55201
RF50003	Clip to suit S55 triple Orbit Blocks™	RF55301

*1 Small fiddle block sheave has a high load full contact bearing (i.e. not ball bearing). Main sheave has 2-stage, ball bearing.
*2 Line load through cleat not to exceed 175kg (385lb).

ORBIT BLOCK™ RATCHET HOLDING POWER 20:1

Auto & manual ratchet modes

Load sensing auto ratchet

RF150
4.8mm (3/16") pin

- RF56100 & RF56110 - swivel shackle head for unlimited block rotation.
- Dinghy mainsheet systems.
- Mainsheet systems on sportsboats using RF6 or RF7 mainsheet swivel cleat unit.
- Spinnaker sheets on dinghies.
- Spinnaker sheets on sportsboats and small keelboats (lateral lead blocks).
- Control line applications on larger yachts.
- Sheave: Anodised aluminium.
- Swivel shackle head fitting: Grade 316 stainless steel.
- Ball bearings: High compression strength acetal.
- Frame/cheeks: Toughened, 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
BB Ball Bearing													
RF56100	Single block, auto and manual, swivel shackle head	55	10	5	250	750	82	2 5/32	3/8	3/16	550	1650	2.9
RF56101	Single block, auto and manual, Dyneema® link head	55	10	-	250	750	78	2 5/32	3/8	-	550	1650	2.8
RF56110	Single block, becket, auto and manual, swivel shackle head	55	10	5	250*	750	86	2 5/32	3/8	3/16	550*	1650	3.0

* Total block load. Load on becket not to exceed block load. i.e. MWL 250kg (550lb), BL 750kg (1650lb). Suitable for 2:1 system at rated block load.

© Paul Wyeth

Adjustable cleat arms

Load sensing auto ratchet

RF150
4.8mm (3/16") pin

- Swivel shackle head for unlimited block rotation.
- RF56120 & RF56130 - Composite C-Cleat™ and fairlead.
- Dinghy mainsheet systems.
- Spinnaker sheets on dinghies – especially modern asymmetric classes.
- Spinnaker sheets on sportsboats and small keelboats (lateral lead blocks).
- Control line applications on larger yachts.
- Sheave: Anodised aluminium.
- Ball bearings: High compression strength acetal.
- 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
BB Ball Bearing													
RF56120	Single block, adjustable cleat, auto, swivel shackle head	55	10	5	175*2	750	204	2 5/32	3/8	3/16	385*2	1650	7.2
RF56130	Single block, becket, adjustable cleat, auto, swivel shackle head	55	10	5	250*1&2	750	209	2 5/32	3/8	3/16	550*1&2	1650	7.4

*1 Total block load. Load on becket not to exceed block load. i.e. MWL 250kg (550lb), BL 750kg (1650lb). Suitable for 2:1 system at rated block load.
*2 MWL based on maximum allowable line load through cleat of 175kg (385lb).

SERIES 55 ORBIT

Auto and manual ratchet modes (select models)

Integrated low profile becket

9:1 MAINSHEET SYSTEM

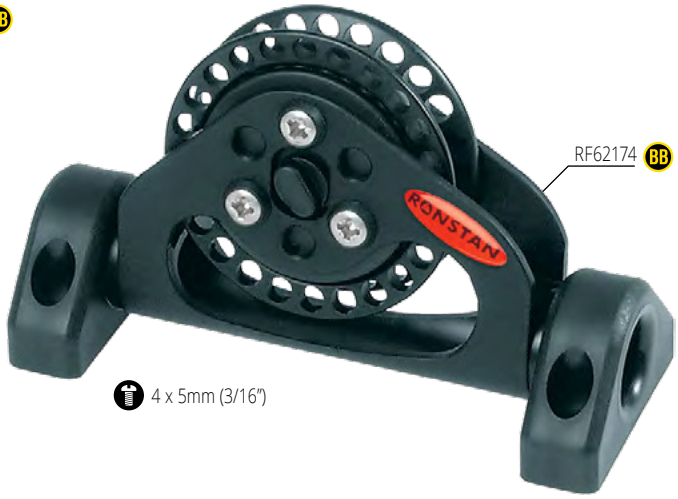
RF150
4.8mm (3/16") pin

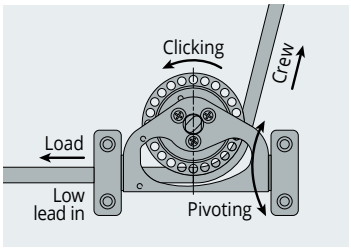
- RF56330B - Underhung becket is suitable for terminating the sheet, or attachment of a 'piggyback' block for greater purchase*2.
- Ultra-low profile integrated hollow hub becket on fiddle blocks.
- Swivel shackle head for unlimited block rotation.
- RF56330B when paired with a RF55410 and a RF45209 lashed to the becket with a DSH-6GRY or RF9004-09, produces a powerful 9:1 mainsheet system for use on catamarans to 5.5m (18ft). 8mm (5/16) rope recommended.
- Swivel shackle head fitting: 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
BB Ball Bearing													
RF56151	Cheek block, clockwise, auto and manual, swivel shackle head	55	10	-	250	700	76	2 5/32	3/8	-	550	1540	2.7
RF56151A	Cheek block, anti-clockwise, auto and manual, swivel shackle head	55	10	-	250	700	76	2 5/32	3/8	-	550	1540	2.7
RF56330B	Triple block, underhung becket, adjustable cleat, auto, swivel shackle head	55	10	5	750*2&3	1500	392	2 5/32	3/8	3/16	1650*2&3	3300	13.8
RF56510	Fiddle block*1, becket, auto and manual, swivel shackle head	55 + 35	10	5	250	750	112	2 5/32 + 1 3/8	3/8	3/16	550	1650	3.9
RF56530	Fiddle block*1, becket, adjustable cleat, auto, swivel shackle head	55 + 35	10	5	250*3	750	235	2 5/32 + 1 3/8	3/8	3/16	550*3	1650	8.3

*1 Fiddle sheave has a high load full contact bearing (i.e. not ball bearing). Main sheave has 2-stage, ball bearing.
*2 Total block load. Load on underhung becket not to exceed 33% of block load. i.e. MWL 250kg (700lb), BL 500kg (1100lb). Underhung becket suits attachment of 'piggyback' block for creation of 7:1 or greater purchase.
*3 Line load through cleat not to exceed 175kg (385lb).

SERIES 60 ULTIMATE RATCHET BLOCK™





- Effective extruded hole design provides up to 20:1 holding power.
- On/Off switch is fitted to both sides of block so it can be used on port or starboard side. Switch can be removed from one side if required.
- Unique On/Off switch mechanism can be operated under load.
- Low friction ball bearing system.
- Pivoting Lead blocks maintain alignment and keep lines close to the deck.

- Dinghy mainsheet systems - when maximum holding power is required.
- RF62100 mainsheet systems on sportsboats using RF7 mainsheet swivel cleat unit.
- Control line applications on larger yachts.
- Spinnaker sheets on sportsboats and small keelboats (lateral lead blocks).

- Sheave & cheek plates: Anodised aluminium.
- Ball bearings: High compression strength acetal.
- Ratchet pawl: High strength Torlon®.
- Swivel shackle head fitting: 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
BB Ball Bearing													
RF62000	Sheave	60	10	-	-	-	44	2 3/8	3/8	-	-	-	1.6
RF62100	Single block, manual, swivel shackle head	60	10	5	250	1370	135	2 3/8	3/8	3/16	550	3020	5.3
RF62174	Pivoting low lead block	60	10	-	250	1370	147	2 3/8	3/8	-	550	3020	5.2
RF62175	Pivoting low lead block, cleat	60	10	-	250*	1370	285	2 3/8	3/8	-	550*	3020	10.1

* Line load through cleat not to exceed 175kg (385lb).

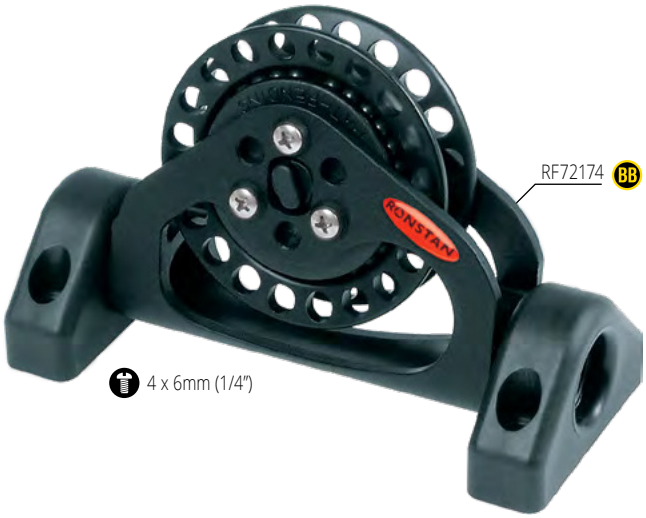
SERIES 75 ULTIMATE RATCHET BLOCK™

RF72100 BB

RF72175 BB

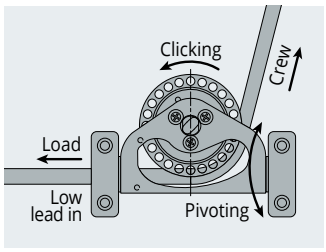
4 x 6mm (1/4")

RF72000 BB



RF72174 BB

4 x 6mm (1/4")

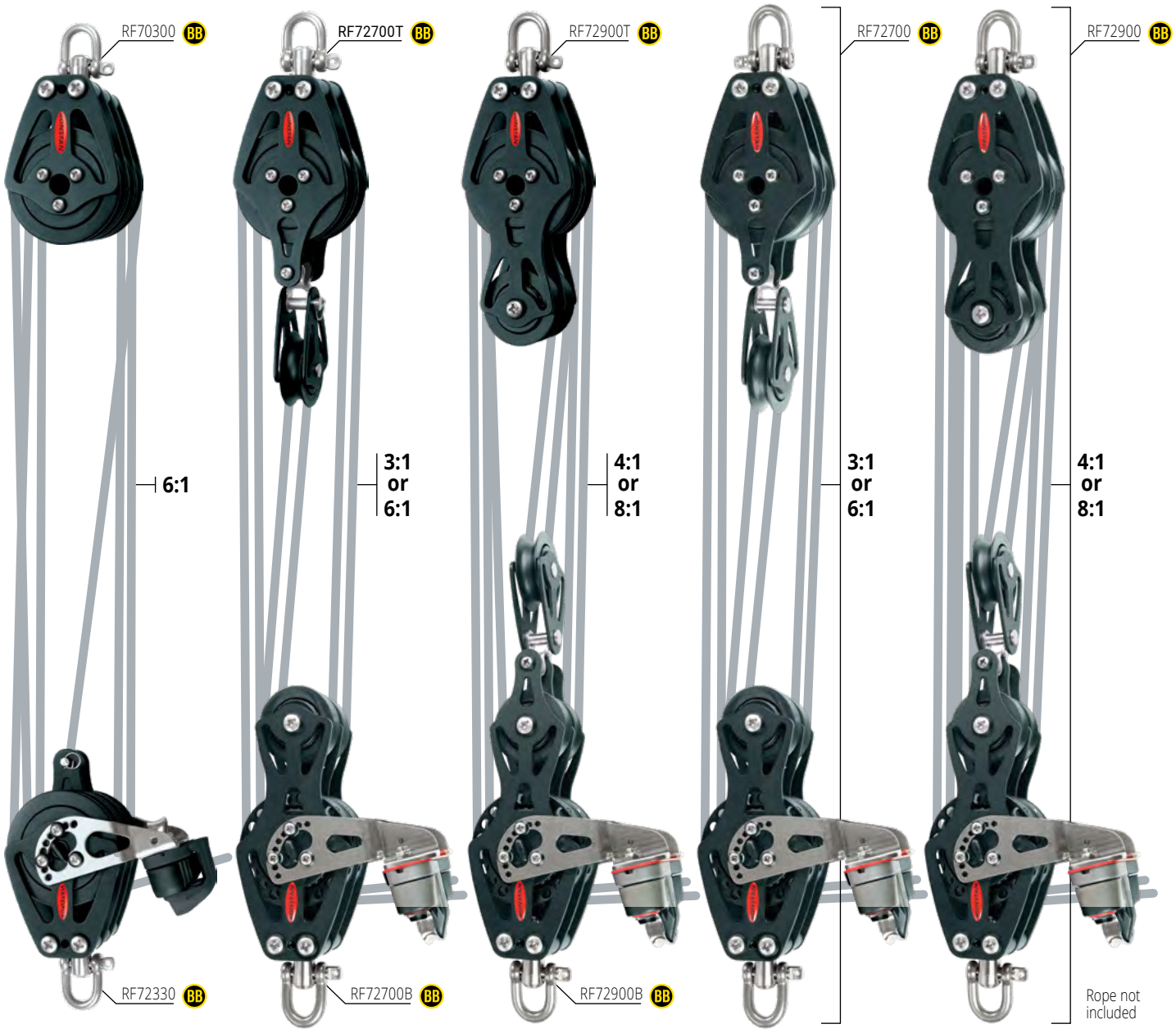


- Effective extruded hole design provides up to 20:1 holding power.
- On/Off switch is fitted to both sides of block so it can be used on port or starboard side. Switch can be removed from one side if required.
- Unique On/Off switch mechanism can be operated under load.
- Low friction ball bearing system.
- High quality forged stainless steel shackle and durable alloy cheek plates.
- Dinghy mainsheet systems - when maximum holding power is required.
- Control line applications on larger yachts.
- Spinnaker sheets on sportsboats and small keelboats (lateral lead blocks).
- Sheave & cheek plates: Anodised aluminium.
- Ball bearings: High compression strength acetal.
- Ratchet pawl: High strength Torlon®.
- Swivel shackle head fitting: 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
BB Ball Bearing													
RF72000	Sheave	75	12	-	-	-	90	3	1/2	-	-	-	3.2
RF72100	Single block, manual, swivel shackle head	75	12	7	420	2000	290	3	1/2	9/32	930	4410	5.7
RF72174	Pivoting low lead block	75	12	-	420	1370	270	3	1/2	-	930	3020	9.5
RF72175	Pivoting low lead block, cleat	75	12	-	420*	1370	405	3	1/2	-	930*	3020	14.3

* Line load through cleat not to exceed 175kg (385lb).

SERIES 75 TWO-SPEED MAINSHEET SYSTEMS



- Two-speed mainsheet systems allow fine tuning of the mainsheet when sailing upwind by using one of the sheet tails and keeping the other cleated. Using both the sheets at once allows the trimmer to blow off the main quickly when rounding the top mark and trim on quickly when hardening up after rounding the bottom mark.
- When fitting to traveller cars, ensure adequate support for the bottom block and use stand-up spring kit RF324-2. (Refer to traveller section pages 107 & 111 for more information).

- Two-speed systems: Mainsheets on sportsboats and keelboats to 12m (40ft).

MAXIMUM MAINSAIL AREA

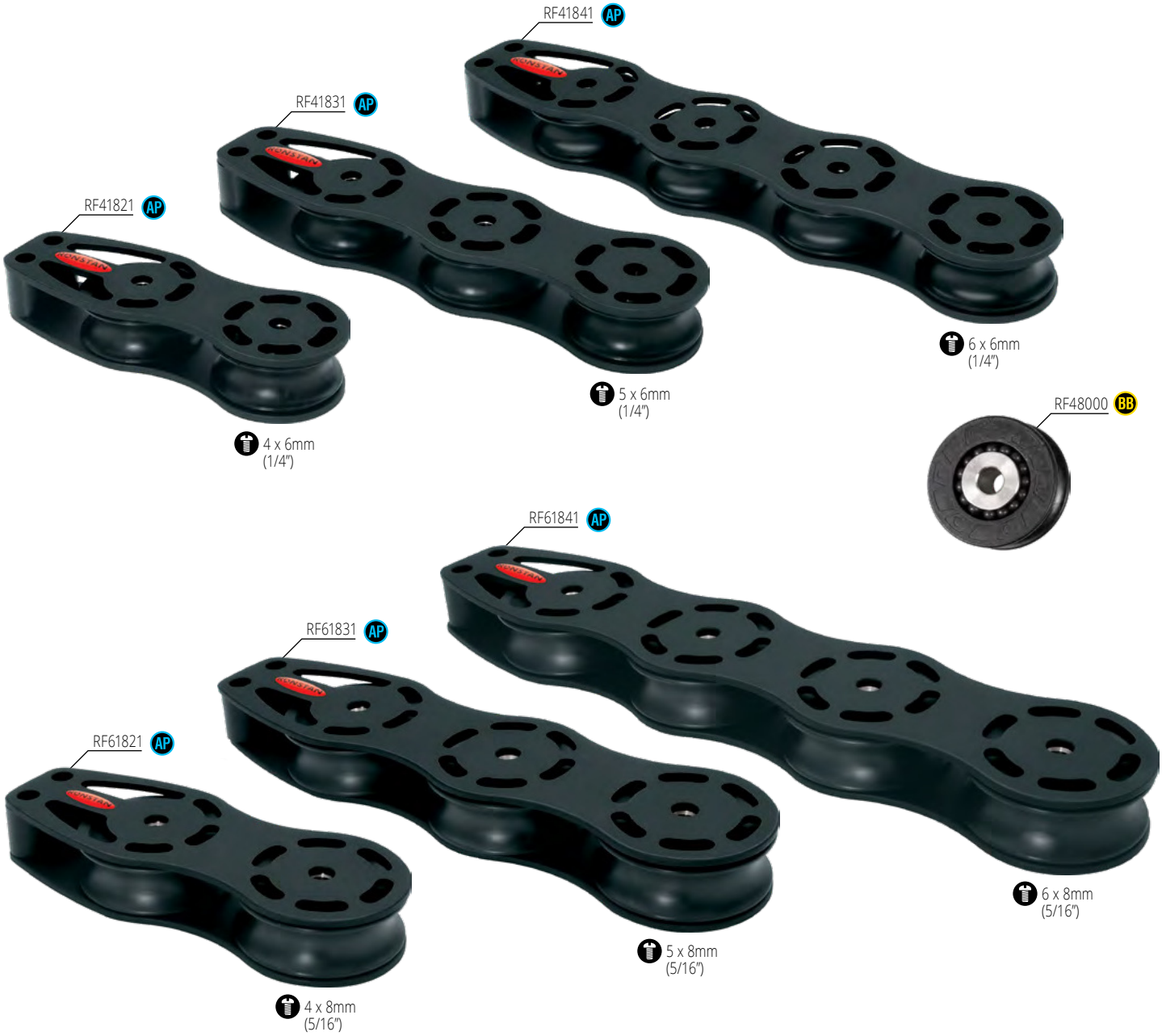
RF72700: End boom = 38m² (409ft²), Mid-boom = 23m² (248ft²)

RF72900: End boom = 42m² (452ft²), Mid-boom = 27m² (290ft²)

- Ball bearings: acetal.
- Sheaves: UV stabilised acetal (BB), alloy (ratchet).
- Cheeks & ratchet sheaves: Anodised aluminium.
- Ratchet pawl: Torlon®.

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 Ball Bearing													
RF70300	BB triple block, universal head	75	10	7	1250	2500	632	3	3/8	9/32	2760	5510	22.3
RF72330	Ratchet triple block, becket, cleat, universal head	75	10	7	685*	2000	790	3	3/8	9/32	1510*	4410	27.9
RF72700	Complete system, BB & ratchet 3:1 coarse, 6:1 fine	75 + 50	10	7	800	1700	1490	3 + 2	3/8	9/32	1760	3750	52.5
RF72700B	Ratchet bottom block for RF72700 two-speed system	75 + 50	10	7	800	1700	950	3 + 2	3/8	9/32	1760	3750	33.5
RF72700T	BB top blocks for RF72700 two-speed system	75 + 50	10	7	800	1700	560	3 + 2	3/8	9/32	1760	3750	19.8
RF72900	Complete system, BB & ratchet 4:1 coarse, 8:1 fine	75 + 50	10	7	1100	2300	1610	3 + 2	3/8	9/32	2430	5070	56.8
RF72900B	Ratchet bottom block for RF72900 two-speed system	75 + 50	10	7	1100	2300	1035	3 + 2	3/8	9/32	2430	5070	36.5
RF72900T	BB top block for RF72900 two-speed system	75 + 50	10	7	1100	2300	575	3 + 2	3/8	9/32	2430	5070	20.3

* Line load through cleat not to exceed 175kg (385lb).



- Deck organisers are an effective means of deflecting halyards and control lines to winches, stoppers and cleats.
- All Purpose bearing system provides maximum static load capacity.
- Lightweight design with cheek cut-outs for easy bearing maintenance.
- All sizes can be stacked to create double versions - MWL of the top sheaves must not exceed 50% of the total block load rating.
- Series 40 - halyard and control line deflection on boats to 11m (36ft).
- Series 60 - halyard and control line deflection on boats to 14m (46ft).
- Line deflection on larger yachts (depending on load and angle of deflection).
- Cheek plates: Anodised aluminium.
- Sheaves: UV stabilised acetal.
- Hubs: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	LENGTH mm	HOLE SPACING mm	M.W.L. (per sheave) kg	B.L. (per sheave) kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	LENGTH in	HOLE SPACING in	M.W.L. (per sheave) lb	B.L. (per sheave) lb	WEIGHT oz
Series 40 - AP All Purpose															
RF41821	Double sheave organiser	40	12	116	48.5	500	1000	101	1 9/16	1/2	4 9/16	1 29/32	1100	2200	3.6
RF41831	Triple sheave organiser	40	12	164	48.5	500	1000	142	1 9/16	1/2	6 15/32	1 29/32	1100	2200	5.0
RF41841	Quadruple sheave organiser	40	12	213	48.5	500	1000	185	1 9/16	1/2	8 13/32	1 29/32	1100	2200	6.5
RF48000	Sheave BB, 15.5mm (5/8") width	40	10	-	-	400	-	30	1 9/16	3/8	-	-	880	-	1.1
Series 60 - AP All Purpose															
RF61821	Double sheave organiser	60	14	164	70.0	1000	2000	271	2 3/8	9/16	6 15/32	2 3/4	2200	4410	9.6
RF61831	Triple sheave organiser	60	14	234	70.0	1000	2000	392	2 3/8	9/16	9 7/32	2 3/4	2200	4410	13.8
RF61841	Quadruple sheave organiser	60	14	304	70.0	1000	2000	511	2 3/8	9/16	11 31/32	2 3/4	2200	4410	18.0

WIRE BLOCKS, SHEAVE BOXES & EXIT BLOCKS

RF15711 BB

2 x 4mm (5/32")

RF25711 BB RF25711HL HHL

2 x 4mm (5/32")

RF35711 BB RF35711HL HHL

2 x 5mm (3/16")

RF30721 BB

2 x 5mm (3/16")

RF51712 SP

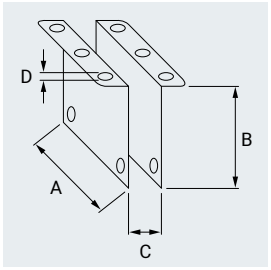
6 x 5mm (3/16")

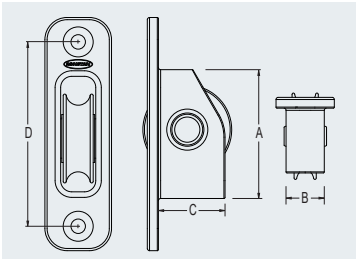
RF41712 SP

6 x 5mm (3/16")

RF31712 SP

6 x 5mm (3/16")





RF45711 BB RF45711HL HHL RF45711N AP

2 x 6mm (1/4")

2 x 6mm (1/4")

2 x 6mm (1/4")

Exit and sheave boxes are ideal for applications where lines need to be led through decks, bulkheads or spars minimising friction and chafing.

- BB & AP sheaves: UV stabilised acetal.
- SP sheaves: Self-lubricating Nylatron®.
- HHL sheaves: Grade 2205 stainless steel.
- Housings: Grade 316 stainless steel.
- Housings: Aluminium alloy, anodised black RF45711, RF45711HL, RF45711N.

PRODUCT No.	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	A mm	B mm	C mm	D mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	MAX. WIRE in	A in	B in	C in	D in	M.W.L. lb	B.L. lb	WEIGHT oz
Sheave Boxes - SP Special Purpose, Nylatron® Sheave																				
RF31712	30	8	4	44.0	27	14.0	5	375	800	45	1 3/16	5/16	5/32	1 3/4	1 1/16	9/16	3/16	830	1760	1.6
RF41712	40	10	5	54.0	33	17.0	5	500	1000	75	1 9/16	3/8	3/16	2 1/8	1 5/16	11/16	3/16	1100	2200	2.6
RF51712	50	12	5	62.0	42	21.0	5	750	1500	145	2	1/2	3/16	2 7/16	1 5/8	13/16	3/16	1650	3300	5.1
Exit Blocks - BB Ball Bearing																				
RF15711	15	5	-	27.0	10	13.0	40	120	550	14	9/16	3/16	-	1 1/16	3/8	1/2	1 9/16	260	1210	0.5
RF25711	20	6	-	34.0	12	13.0	48	250	1000	18	3/4	1/4	-	1 5/16	1/2	1/2	1 7/8	550	2200	0.6
RF35711	30	8	-	42.0	14	19.0	58	300	1100	34	1 3/16	5/16	-	1 5/8	9/16	3/4	2 1/4	660	2430	1.2
RF30721	30	8	-	68.0	18	23.0	82	300	750	60	1 3/16	5/16	-	2 11/16	11/16	15/16	3 1/4	660	1650	2.1
RF45711	40	10	-	58.0	22	30.0	83	400/800*	2000	77	1 9/16	3/8	-	2 1/4	7/8	1 3/16	3 1/4	880/1760*	4410	2.7
Exit Blocks - HHL High Grade Stainless Steel Sheave																				
RF25711HL	20	6	-	34.0	12	13.0	48	300	1100	22	3/4	1/4	-	1 5/16	1/2	1/2	1 7/8	660	2430	0.8
RF35711HL	30	8	-	42.0	14	19.0	58	550	1100	56	1 3/16	5/16	-	1 5/8	9/16	3/4	2 1/4	1210	2430	2.0
RF45711HL	40	10	-	58.0	22	30.0	83	1000	2000	123	1 9/16	3/8	-	2 1/4	7/8	1 3/16	3 1/4	2200	4410	4.3
Exit Blocks - AP All Purpose																				
RF45711N	40	8	-	58.0	16	30.0	75	400/800*	1600	65	1 9/16	5/16	-	2 1/4	5/8	1 3/16	2 15/16	880/1760*	3530	2.3

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

UPRIGHT LEAD BLOCKS


RF2416 AP
2 x 6mm (1/4")


AP RF919
2 x 5mm (3/16")


SP RF453
4 x 5mm (3/16")


AP RF568
2 x 5mm (3/16")


AP RF569
2 x 5mm (3/16")


AP RF917
2 x 5mm (3/16")


AP RF2379
2 x 4mm (5/32")


RF15171 BB
2 x 4mm (5/32")


RF15174 BB
4 x 4mm (5/32")


RF20171 BB
2 x 4mm (5/32")


RF20174 BB
2 x 4mm (5/32")


RF30171 BB
2 x 5mm (3/16")


RF30174 BB
2 x 5mm (3/16")


RF40171 BB
2 x 5mm (3/16")


RF50171 BB
2 x 6mm (1/4")

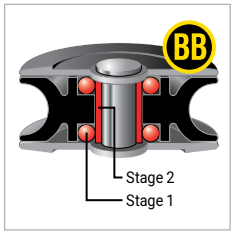

RF55171 BB
2 x 6mm (1/4")


RF41171 AP
2 x 5mm (3/16")


RF51171 AP
2 x 6mm (1/4")

- Upright lead blocks are a low profile solution for leading lines to cleats or jammers.
- BB & AP sheaves: UV stabilised acetal.
- SP sheave: Self-lubricating Nylatron®.
- Cheeks: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	MAX. WIRE in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RF15171	Upright lead block	15	5	-	120	550	9	5/8	3/16	-	260	1210	0.3
RF15174	Pivoting lead block	15	5	-	120	350	16	5/8	3/16	-	260	770	0.6
RF20171	Upright lead block	20	6	-	250	550	18	3/4	1/4	-	550	1210	0.6
RF20174	Pivoting lead block	20	6	-	250	550	30	3/4	1/4	-	550	1210	1.1
RF30171	Upright lead block	30	8	-	300	750	30	1 3/16	5/16	-	660	1650	1.1
RF30174	Pivoting lead block	30	8	-	300	650	50	1 3/16	5/16	-	660	1320	1.8
RF40171	Upright lead block	40	10	-	350	1000	60	1 9/16	3/8	-	770	2200	2.1
RF50171	Upright lead block	50	12	-	500	1500	116	2	1/2	-	1100	3310	4.1
RF55171	Upright lead block	55	10		500	1000	91	2 5/32	3/8	-	1100	2200	3.2
SP Special Purpose - Nylatron® sheave													
RF453	Upright lead block	22	3	3	160	320	30	7/8	1/8	1/8	350	700	1.1
AP All Purpose													
RF568	Upright lead block, removable sheave	19	5	-	250	500	20	3/4	3/16	-	550	1100	0.7
RF569	Upright lead block	19	8	-	250	500	20	3/4	5/16	-	550	1100	0.7
RF917	Upright lead block	19	8	-	250	500	20	3/4	5/16	-	550	1100	0.7
RF919	Upright lead block	29	6	-	600	1200	50	1 3/32	1/4	-	1320	2640	1.8
RF2379	Upright lead block	13	5	-	250	500	20	19/32	3/16	-	550	1100	0.7
RF2416	Upright lead block, removable sheave	32	5	-	300	800	40	1 1/4	3/16	-	660	1760	1.4
RF41171	Upright lead block	40	10	-	400	1000	59	1 9/16	3/8	-	880	2200	2.1
RF51171	Upright lead block	50	12	-	750	1500	115	2	1/2	-	1650	3310	4.1



2-stage bearing system

Low friction, high load

ILCA® HARDWARE

MAINSHEET BLOCKS

Ronstan's ILCA® mainsheet blocks provide the perfect balance of strength, performance, and reliability. They feature a 2-stage bearing system which minimises friction and gives sailors ultimate control while trimming. The cheeks and housings are lightweight yet strong and made from toughened glass fibre reinforced nylon. All stainless steel fixings and rivets are grade 316 stainless steel. The linked traveller block uses the same 2-stage bearing for the mainsheet sheave while the smaller traveller sheave has a simple AP bearing to maintain enough friction to help keep the block close in the leeward corner when sailing upwind under load. Several concepts of the articulation point of the linked traveller block were tried and tested by ILCA® sailors to ensure the best design was achieved for optimum articulation.

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.

AP **All Purpose** versions are a great choice for durability and a long service life. They feature self-lubricating acetal polymer sheaves running on polished stainless steel races and perform equally well with dynamic loads and static loads.

VANG UNITS

Ronstan's ILCA® lower vang unit is the new benchmark in design and performance. Thoroughly tested on the water by leading ILCA® sailors, the vang unit features a geometry that minimises line chafe and friction and provides a purchase advantage, with easy cleating and releasing to stay in full control when playing the vang from any angle while inboard or hiking. The primary purchase sheave features our high load, low friction, stainless steel HHL sheave. The cleat arm pivot point is close to the clevis pin attachment to minimise stress on the mast attachment point.

RF34118HLK and RF34108HLK are purpose designed ILCA® top vang blocks.

Both the lower vang unit and top vang block cheeks are made of grade 316 stainless steel with a hard wearing black coating.

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 and bearing race to maintain low friction at very high loads.

Photo © Down Under Sail

- Mainsheet blocks have a 2-stage bearing system with stainless steel hub.
- Fast rolling speed with little friction.
- Traveller block: Main sheave features 2-stage bearing sheave. Small sheave is simple AP bearing.

- BB sheave and balls: High compression strength acetal.
- Rivets: Grade 316 stainless steel.
- Frame/cheeks: Toughened, glass fibre reinforced nylon.
- Hubs: Grade 316 stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	WEIGHT g	SHEAVE DIAM. in.	MAX. ROPE in.	WEIGHT oz
BB ILCA® Mainsheet Blocks							
ILCA-SGL	ILCA® mainsheet centre boom block, single	40	8	48	1 9/16	5/16	1.7
ILCA-BKT	ILCA® mainsheet boom block, single becket	40	8	56	1 9/16	5/16	2.0
ILCA-TRV	ILCA® mainsheet traveller block	40 + 25	8	82	1 9/16 + 1	5/16	2.9

VANG


RF34108HLK


RF1062


RF34108HL


RF34118HLK


RF34118HL


ILCA-VNG

Top Vang Block

- Low friction top vang block.
- Narrow and compact design.
- RF34108HLK & RF34118HLK include vang key.

ILCA® Lower Vang Unit

- Low friction ILCA® vang unit.
- HHL sheave for the high load primary sheave.
- Easy cleating and releasing from any angle.
- Pivot point close to clevis pin attachment to minimise stresses on mast fitting.
- Optimised geometry to eliminate line chafe and friction.
- Composite C-Cleat™ and fairlead.

- BB Sheaves: UV stabilised acetal.
- HHL sheave and bearing race: Grade 2205 stainless steel. Ball bearings: Grade 304 stainless steel.
- Cheeks/Frame: Grade 316 stainless steel, hard wearing black coating.
- Vang Key (RF1062): 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
Top Vang Block													
RF34108HL	Top vang block	30	6	5	400	800	42	1 1/8	1/4	3/16	880	1760	1.5
RF34108HLK	Top vang block with vang key	30	6	5	400	800	51	1 1/8	1/4	3/16	880	1760	1.8
RF34118HL	Top vang block with becket	30	6	5	400	800	50	1 1/8	1/4	3/16	880	1760	1.8
RF34118HLK	Top vang block with becket and vang key	30	6	5	400	800	59	1 1/8	1/4	3/16	880	1760	2.0
ILCA® Lower Vang Unit													
ILCA-VNG	ILCA® lower vang unit	20 + 15	5	6.4	-	-	177	3/4 + 5/8	3/16	1/4	-	-	6.2
Accessories													
RF1062	Vang key, 6.4mm (1/4") diam.	-	-	-	-	-	9	-	-	-	-	-	0.3


RF8080BLU


RF8080GRY


RF8080R

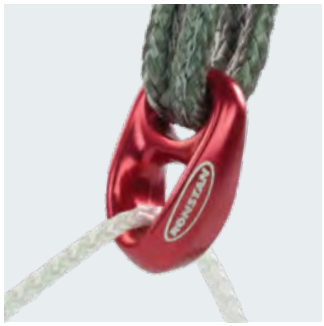

RF8081BLU


RF8081R


Webbing


Pigtail


Lashing


Dyneema® Link

ATTACHMENT OPTIONS

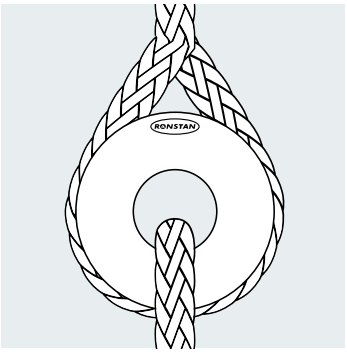
- Ultra-lightweight.
- Ultra-compact.
- Durable.
- Colour coded.
- High load capacity.
- Suits webbing or lashing.
- Versatile.
- Vangs.
- Tweakers.
- Barberhaulers.
- Sail cover zipper lines.
- Lazy jacks.
- Cunninghams.
- Kite bridles.
- Leech lines.
- Trapeze elastics.
- Various control lines.
- Anodised aluminium.

For further technical details see the SUPPORT tab at ***www.ronstan.com.***

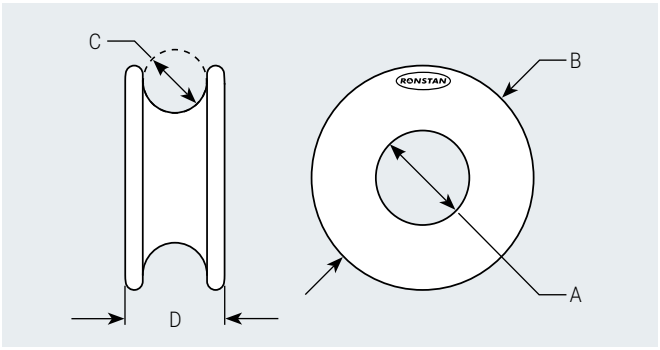
PRODUCT No.	COLOUR	ROPE SIZE mm	LENGTH mm	WIDTH mm	THICKNESS mm	MAX. ATTACHMENT mm	M.W.L.* kg	B.L.* kg	WEIGHT g	ROPE SIZE in.	LENGTH in.	WIDTH in.	THICKNESS in.	MAX. ATTACHMENT in.	M.W.L.* lb	B.L.* lb	WEIGHT oz
Shocks™																	
RF8080BLU RF8080GRY RF8080R	Blue Grey Red	1.5 - 5.0	22.9	14.9	8.5	8mm wide. 5mm diam.	175	350	2.5	1/16 - 3/16	7/8	9/16	5/16	5/16 wide. 3/16 diam.	385	770	0.1
Shocks™ XL																	
RF8081BLU RF8081R	Blue Red	3.0 - 10.0	36	24.8	14.5	10mm wide. 10mm diam.	500	1000	12	1/8 - 3/8	1 7/16	1	9/16	3/8 wide. 3/8 diam.	1100	2200	0.4

* Both the M.W.L. and B.L. are dependent on the strength of the attachment used.

RINGS



TYPICAL SETUP



- Compact, lightweight and low friction.
- Large secure shoulder for rope lashing.
- Simple and reliable - no moving parts.
- Low maintenance.
- Deflecting lead lines.
- Static load applications.
- Barber haulers, lazyjacks, backstays, cascading vangs.
- Hard anodised aluminium.

PRODUCT No.	A mm	B mm	C mm	D mm	M.W.L. kg	WEIGHT g	A in	B in	C in	D in	M.W.L. lb	WEIGHT oz
Rings												
RF8090-05	5.0	15.0	4.5	7.5	500	2	3/16	19/32	3/16	9/32	1100	0.1
RF8090-08	8.0	22.0	7.0	11.0	1000	4	5/16	7/8	9/32	7/16	2200	0.1
RF8090-11	11.0	29.0	8.0	13.0	2000	8	7/16	1 5/32	5/16	1/2	4410	0.3
RF8090-16	16.0	38.0	11.0	17.0	3500	17	5/8	1 1/2	7/16	21/32	7720	0.6
RF8090-21	21.0	47.0	14.5	22.0	5000	33	13/16	1 27/32	9/16	7/8	11020	1.2
RF8090-26	26.0	57.0	16.0	25.0	7000	57	1 1/32	2 1/4	5/8	1	15430	2.0

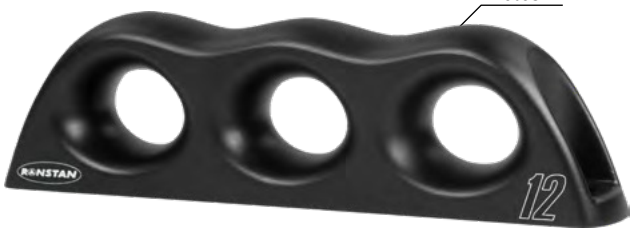
RF8091-12

2 x 6mm (1/4")

RF8092-12

2 x 6mm (1/4")

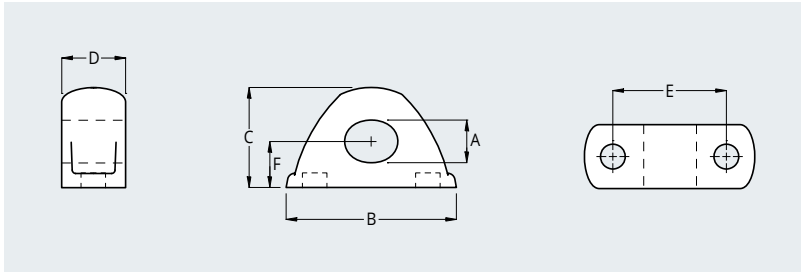
RF8093-12



2 x 6mm (1/4")

RF8091-16

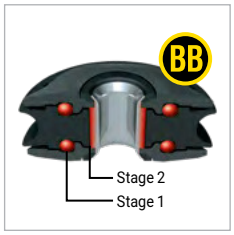
2 x 8mm (5/16")



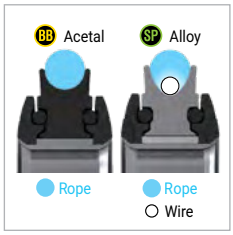
- Compact, lightweight and low friction.
- Elliptical hole design tolerates alignment variations, makes threading lines easy.
- Simple and reliable design.
- Low maintenance.
- Deflection of sheets, halyards and control lines.
- Hard anodised aluminium.

PRODUCT No.	A mm	B mm	C mm	D mm	E mm	F mm	M.W.L. kg	WEIGHT g	A in	B in	C in	D in	E in	F in	M.W.L. lb	WEIGHT oz
Fairleads																
RF8091-12	12	48	28	18	32	12	1000*1	26	1/2	1 7/8	1 1/8	23/32	1 1/4	1/2	2200*1	0.9
RF8091-16	16	60	32	22	39	12	1750*2	38	5/8	2 3/8	1 1/4	7/8	1 17/32	1/2	3850*2	1.3
RF8092-12	12	76	28	18	60	12	1000*1	49	1/2	3	1 1/8	23/32	2 3/8	1/2	2200*1	1.7
RF8093-12	12	104	28	18	88	12	1000*1	75	1/2	4 3/32	1 1/8	23/32	3 15/32	1/2	2200*1	2.7

*1 MWL assumes evenly distributed upward pull on 2 x M6 fasteners.
*2 MWL assumes evenly distributed upward pull on 2 x M8 fasteners.

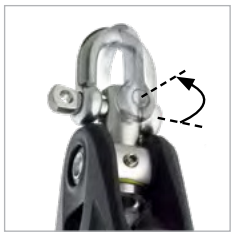


2-stage bearing system



Sheave options


Aluminium alloy cheek plates


Universal head


Removable becket pins


Fully articulated stand-up

CORE BLOCKS™

USE THEM ANYWHERE

A balanced design approach incorporating functionality, performance and style makes our Core Blocks™ the right choice for performance cruising or racing applications. A tuned 2-stage bearing system provides excellent performance across the full working load range with an integrated thrust bearing feature and the resilience to handle high dynamic or static loads. Acetal & aluminium sheave options, alloy cheeks and stainless fixings complete the durable package.

BB Dynamic and high static load performance

Core Blocks™ incorporate our proven 2-stage bearing system.
Stage 1 - Under moderate loads, acetal ball bearings ensure minimum friction.
Stage 2 - Under heavy loads, where deformation of ball bearings alone would result in increased friction, a sliding acetal bearing on a polished stainless steel race takes over, maintaining low friction performance.
Additionally the ball bearings are configured to act as a thrust bearing between the sheave and cheeks, preventing the sheave from rubbing on the cheeks and causing friction when the line lead in and out of the block isn't perfect; particularly important for foot blocks.

Fully articulated stand-up

Stand-up models have a low profile linkage that provides full rotation and articulation. A high strength precision cast padeye minimises the footprint and a dedicated rubber boot ensures the block is held upright when not loaded.

Universal head

The head assembly incorporates a brass bearing washer to provide smooth 360° rotation of the post and shackle. A grub screw arrangement allows the head to be locked at 0° or 90°. Shackles are high quality forged grade 316 stainless steel.

Aluminium alloy cheek plates

Block cheeks are manufactured from the highest quality aluminium alloy for maximum strength. Material optimisation and the cut-away design minimises weight and allows easy fresh water rinsing of salt and debris from the bearings. Cheek design has been further styled with flaring at the block throat and reduced gap between the cheek and sheave, minimising rope wear. The hollow hub can be used as a becket take-off or tie-up point.

Aluminium sheave option

SP models feature an aluminium sheave which has a deep groove profile ideal for use with rope or wire.

Suit pre-spliced lines

Removable becket pins allow fitting of pre-spliced lines. The flush fit becket pin head is kind on deck surfaces and won't snag lines.

Bearing system


Lashing Orbit Block™


Universal head


Stand-up block

ORBIT BLOCKS™

SPECIFY THE BEST

Orbit Blocks™ are a no-compromise product range developed to meet the demands and expectations of the very dedicated and increasingly professional racing sailor, with characteristics including:

- High strength-to-weight ratio.
- Minimal friction loss, especially when working at high loads.
- Totally reliable and trouble free performance.
- Simplicity of design and construction to facilitate maintenance and servicing.
- Elegant, functional styling and finish.

BB Bearing system

The Orbit sheave has captive acetal or Torlon® ball bearings for side thrust loads, eliminating the need for side retainer plates. This reduces weight and allows for a wider bearing surface that can accommodate longer Torlon® needles – achieving a substantially higher strength-to-weight ratio.

Design simplicity

There are only 3 primary components to the block: the twin cheeks, sculptured from solid high grade alloy, and the one-piece sheave with its captive ball bearings. The Orbit sheave has captive acetal or Torlon® ball bearings for side thrust loads, maximising the available bearing surface for its Torlon® needle rollers to achieve a high strength-to-weight ratio.

Universal head

Head posts of swivel blocks can be locked at 0° or 90°. The high resistance shackles are forged in grade 17-4PH stainless steel.

Halyard blocks

These blocks have been designed primarily for attachment around the mast collar to lead halyards aft from the mast base to winches. The head of the block has a removable pin which enables easy attachment to the deck padeye or mast collar post. This method of attachment provides a low lead aft to organisers or winches.

Strop and lashing blocks

These lightweight alternatives to traditional blocks are used where a rope lashing attachment is passed through the hub of the sheave to provide a failsafe feature. Lashing blocks have incredibly high breaking loads – up to 40,000kg. Their versatility makes them suitable for many applications, with four lashing guide holes to allow for multiple attachment options including single, parallel and split lashings. The central hole can also be used for a becket in 3:1 purchase systems. Every detail has been carefully executed to achieve the best optimisation of performance, size, weight and ultimate strength.

Foot blocks

The bottom plate incorporating the hub section is machined from solid alloy for maximum integrity of the load bearing structure. The top cover plate protects the sheave against impact, prevents dirt and grit from entering the hub area, and can be removed for service without removing the mounting bolts that secure the block through the base plate to the deck.

Stand-up blocks

A number of stand-up solutions are available for Orbit Blocks™. These include assemblies incorporating padeye and rubber boot and stand-up spring kits.


RF44100 BB


RF44188 BB

13mm (1/2")
inside width


RF44140 BB

2 x 6mm (1/4")


RF6170


RF2429-02

2 x 6mm (1/4")*

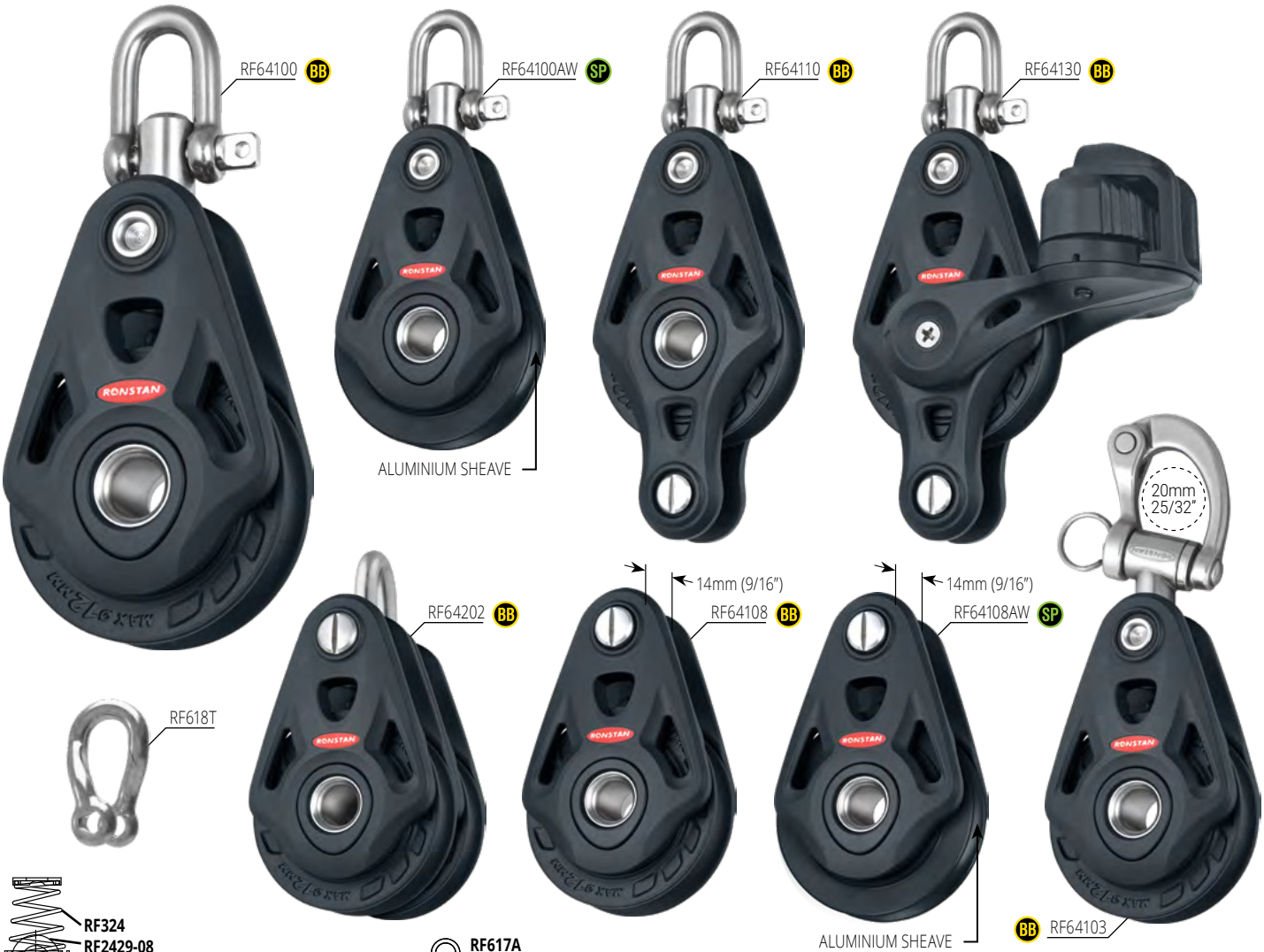
RF150
4.8mm (3/16") pin

- High dynamic and static load capacity delivered by an efficient 2-stage bearing system. Ball bearings also counteract side thrust loads.
- Long service life; virtually maintenance free.
- Central hub hole can be used as a becket take-off point.
- RF44188 Halyard block incorporates a low profile swivel head fork with a removable screw pin for attaching to a padeye or 12mm (1/2") diameter mast collar post.
- RF44140 Stand-up block features a strong cast padeye base, and has a swivel head post to allow full rotation and articulation.
- Mainsheet, halyard and spinnaker sheet applications on boats to 10m (33ft).
- Various control line applications on larger yachts.
- Sheave: UV stabilised acetal.
- Cheek body: Aluminium alloy.
- Ball bearings: High compression strength acetal.
- Shackle, head post & hub: Grade 316 stainless steel.
- Padeye: Grade 15-5PH stainless steel.
- Fork pin: Grade 2205 stainless steel (RF44188).

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 Ball Bearing													
RF44100	Single block, swivel shackle head	45	12	5	700	1400	104	1 3/4	1/2	3/16	1540	3090	3.6
RF44140	Stand-up block, swivelling	45	12	5	700	1400	151	1 3/4	1/2	3/16	1540	3090	5.3
RF44188	Halyard block, swivel fork head	45	12	5	700	1400	121	1 3/4	1/2	3/16	1540	3090	4.2
Accessories													
RF2429-02	Padeye, 34mm (1 5/16") diameter (see page 207)	-	-	-	750	1500*	26	-	-	-	1650	3300*	0.9
RF6170	Snap shackle head adapter	-	-	5	500	1000	49	-	-	3/16	1100	2200	1.7

* A4-80 DIN7991 grade fasteners recommended to achieve BL

SERIES 60 CORE



RF324
RF2429-08
Suits single & fiddle shackle head blocks

RF617A
6mm (1/4") pin suits single & fiddle shackle head blocks

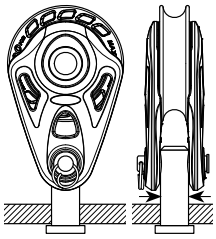
- RF64140 stand-up block features a strong precision cast padeye base, and has a swivel head post to allow full articulation and rotation.
- RF64110 & RF64130 removable M8 (5/16") becket pin suits pre-spliced lines.
- RF64130 cleating angle is adjustable and is fitted with a high performance C-Cleat™ and fairlead for secure and easy cleating.
- RF64103 features a versatile trunnion snap shackle that provides quick & simple attachment and removal, and has 360° rotation with side-to-side articulation.

- Mainsheet, halyard and spinnaker sheet applications on boats to 11m (36ft).
- Various control line applications on larger yachts.
- BB sheaves: UV stabilised acetal.
- SP sheaves: Anodised aluminium.
- Cheek plates & cleat arms: Aluminium alloy.
- Ball bearings: High compression strength acetal.

- Shackle, post & hub: Grade 316 stainless steel.
- Padeye & snap shackle: Grade 15-5PH stainless steel.
- Pins: Grade 2205 stainless steel (RF64108, RF64108A, RF64202).
- Cleat: Fibre reinforced composite.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	MAX. WIRE in	PIN DIAM. in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF618T	Twist shackle body, suits RF64202 & RF74202, for 90° attachment	-	-	-	-	-	-	40	-	-	-	-	-	-	1.4
RF64100	Single block, universal head	60	12	-	6	1000	2000	235	2 3/8	1/2	-	1/4	2200	4410	8.3
RF64103	Single block, trunnion snap shackle head	60	12	-	-	1000	2000	285	2 3/8	1/2	-	-	2200	4410	10.1
RF64108	Halyard block, screw pin with roller head	60	12	-	8	1000*1	2000*1	186	2 3/8	1/2	-	5/16	2200*1	4410*1	6.6
RF64110	Single block, becket, universal head	60	12	-	6	1000	2000	275	2 3/8	1/2	-	1/4	2200	4410	9.7
RF64130	Single block, becket, cleat, universal head	60	12	-	6	350*2	2000	450	2 3/8	1/2	-	1/4	770*2	4410	15.9
RF64202	Double block, non-swivel shackle head	60	12	-	-	1000	2000	390	2 3/8	1/2	-	-	2200	4410	13.8
SP Special Purpose - Aluminium Sheave															
RF64100AW	Single block, rope/wire sheave, swivel shackle head	60	12	5	6	1000	2000	292	2 3/8	1/2	3/16	1/4	2200	4410	10.3
RF64108AW	Halyard block, rope/wire sheave, screw pin, roller head	60	12	5	8	1000*1	2000*1	212	2 3/8	1/2	3/16	5/16	2200*1	4410*1	7.5

*1 Full block rated load can only be achieved with uniformly distributed load across full length of screw pin. i.e. 14mm (9/16") diameter mast collar post or 14mm (9/16") wide mast collar plate/tang.
*2 MWL based on maximum allowable line load through cleat of 175kg (385lb), 2:1 purchase.



RF64108A suits 14mm (9/16") mast collar post (not supplied)

2 x 8mm (5/16")

2 x 8mm (5/16")

4 x 6mm (1/4")

RF617A
6mm (1/4") pin suits single & fiddle shackle head blocks

- RF64520 & RF64523 cleating angle is adjustable and are fitted with a high performance C-Cleat™ and fairlead for secure and easy cleating.
- Fiddle blocks incorporate an integrated becket through the hub of the lower sheave, and are ideal for creating simple vang and mainsheet systems up to 4:1 on boats to 12m (40ft).
- RF64503 & RF64523 features a versatile trunnion snap shackle with rotation and side-to-side articulation.
- RF64108A mast base block has a removable clevis pin to suit a 14mm (9/16") wide mast collar post.*
- Universal head can be fixed at 0° or 90° or left free to swivel, by using a 2.5mm hex key.
- BB sheaves: UV stabilised acetal.
- Cheek plates: Aluminium alloy.
- Ball bearings: High compression strength acetal.
- Shackle, post & hub: Grade 316 stainless steel.
- Pins: Grade 2205 stainless steel (RF64108, RF64108A, RF64202).
- Snap shackle & pad eye: Grade 15-5PH investment cast stainless steel.
- Cleat: Fibre reinforced composite.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	MAX. WIRE in	PIN DIAM. in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF64108A	Mast base block, clevis pin head	60	12	-	8	1000*1	2000*1	182	2 3/8	1/2	-	5/16	2200*1	4410*1	6.4
RF64500	Fiddle block, universal head	60 + 30	12	-	6	1000	2000	355	2 3/8+ 1 3/16	1/2	-	1/4	2200	4410	12.5
RF64503	Fiddle block, snap shackle head	60 + 30	12	-	-	1000	2000	405	2 3/8+ 1 3/16	1/2	-	-	2200	4410	14.2
RF64520	Fiddle block, cleat, universal head	60 + 30	12	-	6	525*3	2000	490	2 3/8+ 1 3/16	1/2	-	1/4	1160*3	4410	17.3
RF64523	Fiddle block, cleat, snap shackle head	60 + 30	12	-	-	525*3	2000	540	2 3/8+ 1 3/16	1/2	-	-	1160*3	4410	19.0
RF64140	Stand-up block, swivelling	60	12	-	-	1000	2000	372	2 3/8	1/2	-	-	2200	4410	13.2
RF64151	Foot block, single	60	12	-	-	1000	2000	180	2 3/8	1/2	-	-	2200	4410	6.4
RF64251	Foot block, double	60	12	-	-	1000*2	2000*2	370	2 3/8	1/2	-	-	2200*2	4410*2	13.1

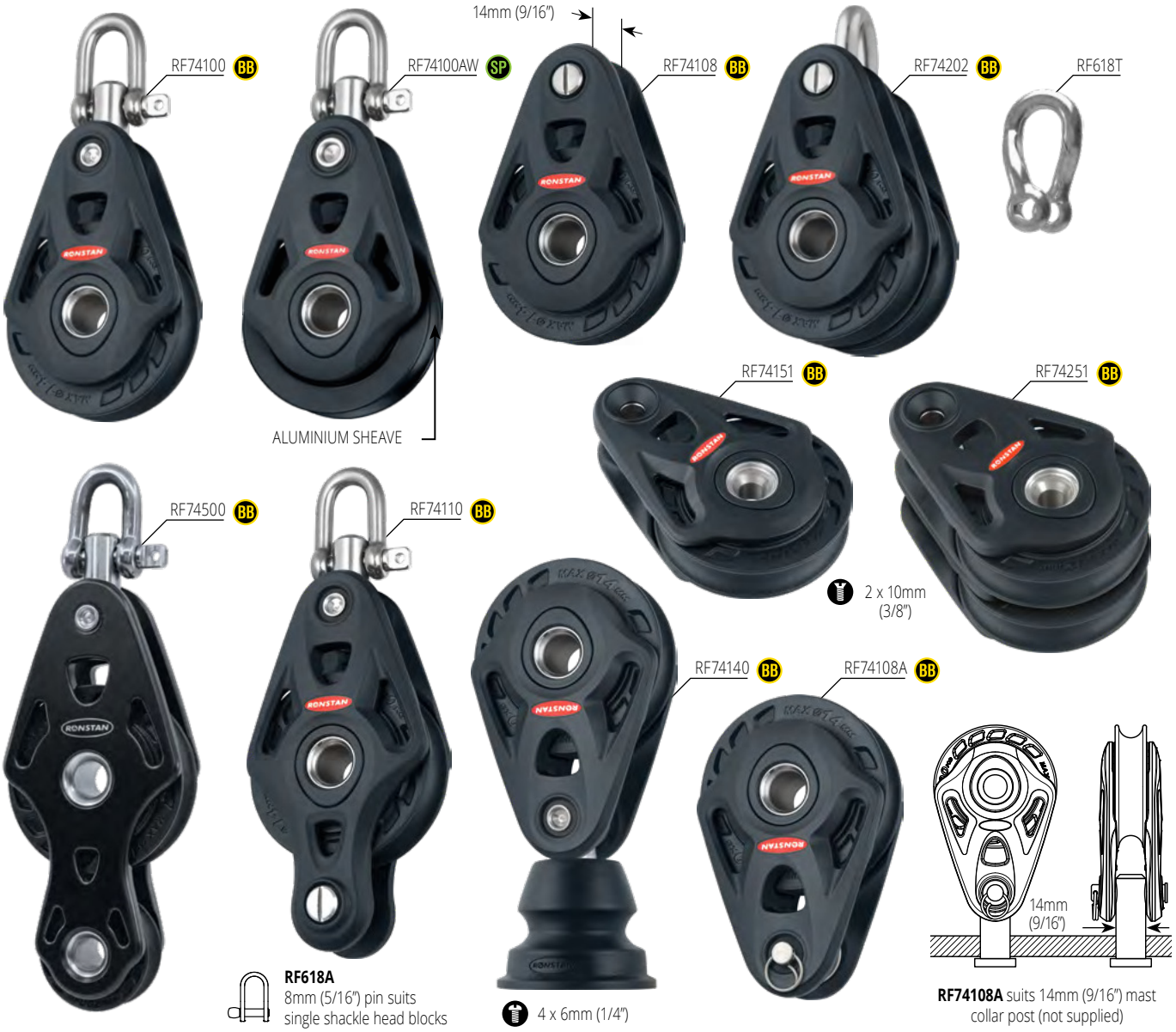
*1 Full block rated load can only be achieved with uniformly distributed load across full length of clevis pin. i.e. 14mm (9/16") diameter mast collar post or 14mm (9/16") wide mast collar plate/tang.
*2 Total block load. Maximum load on top sheave not to exceed 50% of total block load.
*3 MWL based on maximum allowable line load through cleat of 175kg (385lb), 3:1 purchase.

- RF69110 removable becket pin allows lines to be spliced prior to fitting.
- Primary mainsheet, halyard and spinnaker systems on boats to 12m (40ft).
- Secondary mainsheet and vang systems on boats to 14m (46ft).
- Permanent and running backstay systems on boats to 10m (33ft).
- General control line and lead block applications on larger yachts.
- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: High compression strength acetal (RF69109A: Torlon®).
- Forged shackle: Grade 17-4PH stainless steel.
- Head post: 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
BB Ball Bearing													
RF69000	Sheave with balls & rollers	60	12	-	-	-	65	2 3/8	1/2	-	-	-	2.3
RF69100	Single block, universal head	60	12	8	1800	4000	260	2 3/8	1/2	5/16	3970	8820	9.2
RF69108	Halyard block, screw pin head	60	12	9*2	1800	4000	160	2 3/8	1/2	3/8*2	3970	8820	5.6
RF69109	Strop block	60	12	-	1800	4000	148	2 3/8	1/2	-	3970	8820	5.2
RF69109A	Lashing block	60	12*1	-	2400	6000	160	2 3/8	1/2*1	-	5290	13220	5.7
RF69110	Single block, becket, universal head	60	12	8	1800	4000	290	2 3/8	1/2	5/16	3970	8820	10.2
RF69140	Stand-up block, 90 degree	60	12	-	1800	4000*3	398	2 3/8	1/2	-	3970	8820*3	14.0
RF69151	Foot block, single	60	12	-	1800	4000	190	2 3/8	1/2	-	3970	8820	6.7
RF69200	Double block, universal head	60	12	8	2250	4500	436	2 3/8	1/2	5/16	4960	9920	15.4
RF69209	Strop block, double	60	12	-	2250	4500	281	2 3/8	1/2	-	4960	9920	9.9

*1 10mm (3/8") is the maximum rope size if the hollow hub is to be used as a becket take-off.
*2 Bushed to 12mm (1/2") diameter.
*3 A4-80 DIN7991 grade fasteners recommended to achieve BL

SERIES 75 CORE



- Universal head can be fixed at 0° or 90° or left free to swivel, by using a 2.5mm hex key.
- RF74108 Halyard block has a removable 8mm (5/16") screw pin for attaching to mast collar or mainsail headboard.
- RF74108A Mast base block has removable 8mm (5/16") clevis pin to suit a 14mm (9/16") wide mast collar post.

- Mainsheet, spinnaker sheet, vang, halyard and backstay applications on boats to 14m (46ft).
- General applications on larger yachts.
- Cheek plates: Aluminium alloy.
- Sheave: UV stabilised acetal, or anodised aluminium (SP models).

- Ball bearings: High compression strength acetal.
- Shackle, post & hub: Grade 316 stainless steel.
- Pins: Grade 2205 stainless steel (RF74108, RF74108A, RF74202).
- Padeye: Grade 15-5PH stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	MAX. WIRE mm	PIN DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	MAX. WIRE in	PIN DIAM. in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing															
RF618T	Twist shackle body, suits RF64202 & RF74202, for 90° attachment	-	-	-	-	-	-	40	-	-	-	-	-	-	1.4
RF74100	Single block, universal head	75	14	-	8	1500	3000	354	3	9/16	-	5/16	3300	6600	12.5
RF74108	Halyard block, screw pin with roller head	75	14	-	8	1500	3000	234	3	9/16	-	5/16	3300	6600	8.3
RF74108A	Mast base block, clevis pin head	75	14	-	8	1500*1	3000*1	230	3	9/16	-	5/16	3300*1	6600*1	8.1
RF74110	Single block, becket, universal head	75	14	-	8	1500	3000	428	3	9/16	-	5/16	3300	6600	15.1
RF74140	Stand-up block, swivelling	75	14	-	-	1500	3000	468	3	9/16	-	-	3300	6600	16.5
RF74151	Foot block, single	75	14	-	-	1500	3000	259	3	9/16	-	-	3300	6600	9.2
RF74202	Double block, non-swivel shackle head	75	14	-	-	1500	3000	506	3	9/16	-	-	3300	6600	17.9
RF74251	Foot block, double	75	14	-	-	1500*2	3000*2	530	3	9/16	-	-	3300*2	6600*2	18.7
RF74500	Fiddle block, universal head	75+45	14	-	8	1500	3000	478	3+1 3/4	9/16	-	5/16	3300	6600	16.9
SP Special Purpose - Aluminium Sheave															
RF74100AW	Single block, rope/wire sheave, universal head	75	14	8	8	1500	3000	432	3	9/16	5/16	5/16	3300	6600	15.3

*1 Full block rated load can only be achieved with uniformly distributed load across full length of clevis pin. i.e. 14mm (9/16") diameter mast collar post or 14mm (9/16") wide mast collar plate/tang.
*2 Total block load. Maximum load on top sheave not to exceed 50% of total block load.


RF79100 BB


RF79110 BB


RF79200 BB

22mm (7/8")


RF79108 BB


RF79109 BB


RF79000 BB


RF79140 BB


RF79151 BB

1 x 8mm (5/16")
1 x 10mm (3/8")


RF324
RF2433-09*2
Suits RF79100 & RF79110

4 x 6mm (1/4")*2


RF79109A BB

Suits use with RF2437-12 removable lashing padeye. See page 209 for details.

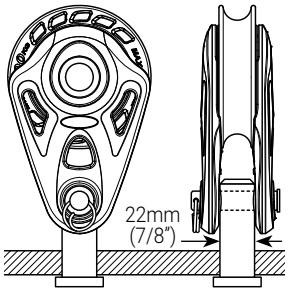

RF79209 BB

- RF79110 removable becket pin allows lines to be spliced prior to fitting.
- Primary mainsheet, halyard and spinnaker systems on boats to 14m (46ft).
- Secondary mainsheet, vang blocks on boats to 15m (50ft).
- Permanent and running backstay systems on boats to 12m (40ft).
- General control line and lead block applications on larger yachts.
- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: High compression strength acetal. (RF79109A: Torlon®)
- Forged shackle & head post: Grade 17-4PH 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
BB Ball Bearing													
RF79000	Sheave with balls & rollers	75	14	-	-	-	95	3	9/16	-	-	-	3.4
RF79100	Single block, universal head	75	14	8	2200	4500	340	3	9/16	5/16	4850	9920	12.0
RF79108	Halyard block, screw pin head	75	14	10*1	2200	4500	251	3	9/16	3/8*1	4850	9920	8.9
RF79109	Strop block	75	14	-	2200	4500	226	3	9/16	-	4850	9920	8.0
RF79109A	Lashing block	80	14	-	3100	7750	310	3 1/8	9/16	-	6830	17080	10.9
RF79110	Single block, becket , universal head	75	14	8	2200	4500	354	3	9/16	5/16	4850	9920	12.5
RF79140	Stand-up block, 90 degree	75	14	-	2000	4000*2	480	3	9/16	-	4400	8820*2	16.9
RF79151	Foot block, single	75	14	-	2200	4500	269	3	9/16	-	4850	9920	9.5
RF79200	Double block, universal head	75	14	8	3250	6500	575	3	9/16	5/16	7170	14330	20.3
RF79209	Strop block, double	75	14	-	3250	6500	414	3	9/16	-	7170	14330	14.6

*1 Bushed to 14mm (9/16") diameter.
*2 A4-80 DIN7991 grade fasteners recommended to achieve BL

2 x 12mm (7/16")



RF104108A suits 22mm (7/8") mast collar post (not supplied)

22mm (7/8")

4 x 8mm (5/16")*2

- Universal head can be fixed at 0° or 90° or left free to swivel, by using a 2.5mm hex key.
- RF104108A halyard block has removable 12mm (1/2") clevis pin to suit a 22mm (7/8") wide mast collar post.
- Mainsheet, spinnaker sheet, vang, halyard and backstay applications on boats to 16m (53ft).
- General applications on larger yachts.
- Cheek plates: Aluminium alloy.
- Sheaves: Glass fibre reinforced nylon.
- Bearings: High compression strength, self-lubricating acetal.
- Head post: Grade 2205 stainless steel.
- Shackles: Grade 17-4PH stainless steel.
- Padeye: Grade 15-5PH stainless steel.
- Other 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
BB Ball Bearing													
RF104100	Single block, universal head	100	18	10	3250	7500	900	4	3/4	3/8	7150	16500	31.8
RF104108A	Halyard block, clevis pin head	100	18	12	3250*1	7500*1	614	4	3/4	1/2	7150*1	16500*1	21.7
RF104110	Single block, becket, universal head	100	18	10	3250	7500	1098	4	3/4	3/8	7150	16500	38.8
RF104140	Stand-up block, swivelling	100	18	-	3000	6000*2	1138	4	3/4	-	6600	13200*2	40.2
RF104151	Foot block, single	100	18	-	3250	7500	700	4	3/4	-	7150	16500	24.7
RF104200	Double block, universal head	100	18	10	3250	7500	1400	4	3/4	3/8	7150	16500	49.5

*1 Full block rated load can only be achieved with uniformly distributed load across full length of clevis pin. i.e. 22mm (7/8") diameter mast collar post or 22mm (7/8") wide mast collar plate/tang.
*2 A4-80 DIN7991 grade fasteners recommended to achieve BL

SERIES 100 ORBIT

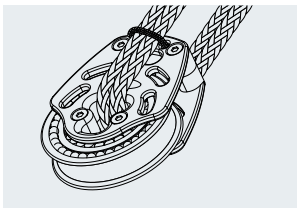

RF109100 BB


RF109110 BB


RF109200 BB

RF109108 BB


RF109000 BB




RF109151 BB

1 x 8mm (5/16")
2 x 10mm (3/8")


RF109140 BB

4 x 6mm (1/4")*2


RF109109 BB


RF109209 BB

Suit use with RF2437-12 removable lashing padeye. See page 209 for details.


RF328
RF2429-10*2
Suits RF109100 & RF109110

- RF109110 removable becket pin allows lines to be spliced prior to fitting.
- Primary mainsheet, halyard and spinnaker systems on boats to 15m (50ft).
- Secondary mainsheet, vang blocks on boats to 18m (60ft).
- Permanent backstay systems on boats to 14m (46ft).
- General control line and lead block applications on larger yachts.
- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: High compression strength acetal.
- Forged shackle & head post: Grade 17-4PH 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
BB Ball Bearing													
RF109000	Sheave with balls & rollers	100	14	-	-	-	180	4	9/16	-	-	-	6.3
RF109100	Single block, universal head	100	14	8	3000	6500	492	4	9/16	5/16	6610	14330	17.4
RF109108	Halyard block, screw pin head	100	14	12*1	3000	6500	391	4	9/16	1/2*1	6610	14330	13.8
RF109109	Strop block	100	14	-	3000	6500	361	4	9/16	-	6610	14330	12.8
RF109110	Single block, becket , universal head	100	14	8	3000	6500	530	4	9/16	5/16	6610	14330	18.7
RF109140	Stand-up block, 90 degree	100	14	-	2000	4000*2	600	4	9/16	-	4410	8820*2	21.2
RF109151	Foot block, single	100	14	-	3000	6500	447	4	9/16	-	6610	14330	15.8
RF109200	Double block, universal head	100	14	10	4250	8500	1030	4	9/16	13/32	9370	18740	36.3
RF109209	Strop block, double	100	14	-	4250	8500	732	4	9/16	-	9370	18740	25.9

*1 Bushed to 16mm (5/8") diameter.
*2 A4-80 DIN7991 grade fasteners recommended to achieve BL

SERIES 100A ORBIT

© Contest Yachts

RF109100A BB

RF109110A BB

RF109109A BB

Suits use with RF2437-16 removable lashing padeye. See page 209 for details.

- Exceptionally high strength-to-weight ratio.
- Captive ball bearings for side thrust loads.
- Head posts of swivel blocks can be locked at 0° or 90°.
- RF109110A removable becket pin allows lines to be spliced prior to fitting.

- Primary mainsheet, halyard and spinnaker systems on boats to 18m (60ft).
- Secondary mainsheet, vang blocks, spinnaker systems and halyards on boats to 22m (72ft).
- Running backstay systems on boats to 16m (53ft).
- General control line and lead block applications on larger yachts.

- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: High compression strength acetal. (RF109109A: Torlon®)
- Forged shackle and head post: Grade 17-4PH stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN/EYE DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	PIN/EYE DIAM. in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RF109100A	Single block, universal head	100	16	10.0	4250	8500	720	4	5/8	3/8	9350	18700	25.4
RF109109A	Lashing block	100	16	-	5500	13750	450	4	5/8	-	12120	30310	15.9
RF109110A	Single block, becket, universal head	100	16	10.0	4250	8500	790	4	5/8	3/8	9350	18700	27.9

SERIES 125 ORBIT

© Contest Yachts

RF129100A BB

RF129110A BB

RF129109A BB

Suits use with RF2437-16 removable lashing padeye. See page 209 for details.

RF129151A BB

1 x 8mm (5/16")
2 x 12mm (7/16")

- Exceptionally high strength-to-weight ratio.
- Foot block cover plate can be removed for service access without removing fixing bolts.
- Head posts of swivel blocks can be locked at 0° or 90°.
- RF129110A removable becket pin allows lines to be spliced prior to fitting.

- Primary mainsheet blocks on boats to 21m (69ft).
- Secondary mainsheet blocks, spinnaker systems and halyards on boats to 25m (82ft).
- Running backstay systems on boats to 18m (60ft).

- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: High compression strength acetal. (RF129109A: Torlon®)
- Forged shackle and head post: Grade 17-4PH stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN/EYE DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	PIN/EYE DIAM. in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RF129100A	Single block, universal head	125	18	12.7	6000	12000	1240	5	3/4	1/2	13200	26400	43.7
RF129109A	Lashing block	125	18	-	6500	19500	930	5	3/4	-	14330	42990	32.8
RF129110A	Single block, becket, universal head	125	18	12.7	6000	12000	1330	5	3/4	1/2	13200	26400	46.9
RF129151A	Foot block, single	125	18	-	5000	10000	750	5	3/4	-	11020	22050	26.5

SERIES 150 ORBIT

Suits use with RF2437-16 removable lashing padeye. See page 209 for details.

1 x 10mm (5/16")
2 x 12mm (7/16")

- Exceptionally high strength-to-weight ratio.
- Foot block cover plate can be removed for service access without removing fixing bolts.
- Head posts of swivel blocks can be locked at 0° or 90°.
- RF159110A removable becket pin allows lines to be spliced prior to fitting.

- Mainsheet and genoa sheet systems on boats to 28m (92ft).
- Spinnaker systems and halyards on boats to 31m (102ft).
- Running backstay systems on boats to 28m (92ft).

- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: High compression strength acetal. (RF159109A: Torlon®)
- Forged shackle and head post: Grade 17-4PH stainless steel.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	MAX. ROPE mm	PIN/EYE DIAM. mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	MAX. ROPE in	PIN/EYE DIAM. in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RF159100A	Single block, universal head	150	24	16.0	9000	18000	2310	6	1	5/8	19840	39600	81.5
RF159109A	Lashing block	150	24	-	9000	27000	1570	6	1	-	19840	59520	55.4
RF159110A	Single block, becket, universal head	150	24	16.0	9000	18000	2530	6	1	5/8	19840	39600	89.2
RF159151	Foot block, single	150	20	-	6500	14200	1285	6	3/4	-	14330	31310	45.3

KEELBOAT BLOCKS

SERIES 180 ORBIT

RF189109A BB

RF189151 BB

1 x 16mm (5/8")
2 x 20mm (3/4")

RF189251 BB

1 x 16mm (5/8")
2 x 20mm (3/4")

- Exceptionally high strength-to-weight ratio.
- Captive ball bearings for side thrust loads.
- Side cheeks incorporating head structure and hub are precision machined as a single part from solid alloy, leaving material only where it contributes to the load carrying capacity of the block and eliminating the need for additional fasteners.
- Foot block cover plate can be removed for service access without removing fixing bolts.
- Mainsheet and genoa sheet systems on boats to 31m (102ft).
- Spinnaker systems, halyards on boats to 33m (108ft).
- Running backstay systems on boats to 32m (105ft).
- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: Torlon®.

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 Ball Bearing													
RF189109A	Lashing block, single	180	26	-	12000	30000	2450	7	1	-	26400	66000	89.9
RF189151	Foot block, single	180	22	-	9750	19500	2075	7	7/8	-	21500	42990	73.2
RF189251	Foot block, double	180	22	-	9750*	19500*	3710	7	7/8	-	21500*	42990*	130.9

* Total block load. Maximum load on top sheave not to exceed 50% of total block load

SERIES 200 ORBIT

RF209109A BB

- Exceptionally high strength-to-weight ratio.
- Captive ball bearings for side thrust loads.
- Side cheeks incorporating head structure and hub are precision machined as a single part from solid alloy, leaving material only where it contributes to the load carrying capacity of the block and eliminating the need for additional fasteners.
- Central hole can be used as a becket take-off/dead end in a 3:1 purchase system.
- Mainsheet and genoa sheet systems on boats larger than 34m (111ft).
- Spinnaker systems and halyards on boats larger than 33m (108ft).
- Running backstay systems on boats larger than 34m (111ft).
- Cheek plates: Fully machined aluminium alloy.
- Sheave: Aluminium alloy.
- Needle rollers: Torlon®.
- Ball bearings: Torlon®.

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 Ball Bearing													
RF209109A	Lashing block, single	200	28	-	15000	40000	3430	7 7/8	1 1/8	-	33000	88000	123.0

UPRIGHT & PIVOTING LOW LEAD BLOCKS

RF68171 BB

1 x 8mm (5/16")
1 x 10mm (3/8")

RF61171 AP

1 x 8mm (5/16")
1 x 10mm (3/8")

RF61176 AP

1 x 8mm (5/16")
1 x 10mm (3/8")

RF68174 BB

4 x 6mm (1/4")

RF78171 BB

2 x 10mm (3/8")
1 x 8mm (5/16")

RF71171 AP

2 x 10mm (3/8")
1 x 8mm (5/16")

RF78174 BB

4 x 6mm (1/4")

RF108171 BB

2 x 10mm (3/8")
1 x 8mm (5/16")

RF128171 BB

3 x 10mm (3/8")
1 x 8mm (5/16")

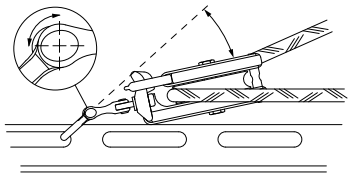
RF158171 BB

3 x 12mm (7/16")
1 x 10mm (3/8")

- High static and dynamic load capacity - BB models have Torlon® needle rollers for axial loads, and acetal ball bearings for side thrust loads.
- Upright lead blocks keep lines close to the deck.
- Cheek cut-outs for easy bearing cleaning and maintenance.
- Blocks can be disassembled for servicing.

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
BB Ball Bearing											
RF68171	Upright lead block	60	14	1500	3000	222	2 3/8	9/16	3310	6610	7.8
RF68174	Pivoting low lead block	60	14	1500	3000	341	2 3/8	9/16	3310	6610	12.0
RF78171	Upright lead block	75	14	1990	3980	352	3	9/16	4390	8770	12.4
RF78174	Pivoting low lead block	75	14	1750	3500	470	3	9/16	3860	7720	16.6
RF108171	Upright lead block	100	14	2200	4400	517	4	9/16	4850	9700	18.2
RF128171	Upright lead block	125	16	3750	7500	777	5	5/8	8270	16530	27.4
RF158171	Upright lead block	150	20	5500	11000	1714	6	3/4	12130	24250	60.5
AP All Purpose											
RF61171	Upright lead block	60	14	1000	3000	205	2 3/8	9/16	2200	6610	7.2
RF61176	Over-the-top block	60	14	1000	3000	215	2 3/8	9/16	2200	6610	7.6
RF71171	Upright lead block	75	14	1500	3980	329	3	9/16	3310	8770	11.6

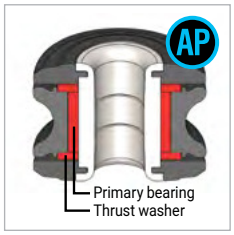
SNATCH BLOCKS



Trunnion articulation provides correct lead in restricted situations, such as toe-rail attachment.

- Convenient solution for temporary leads and line deflection.
- Easily operated secure latch mechanism.
- Soft resilient cheeks reduce clatter and protect gelcoat and painted surfaces.
- Snap shackle head allows block to swivel through 360°.
- Blocks with trunnion snap shackles allow additional articulation from side-to-side.
- Attachment point provided for a shock cord suspension line.
- Temporary leads for sheets and reefing on boats up to 12m (40ft).
- Spare or replacement block for general use on larger boats depending on line angle and load.
- Temporary outboard sheet lead for headsail trimming.
- Snap shackles: Investment cast grade 15-5PH stainless steel.
- RF6730, RF6741: Grade 316 stainless steel frame, load strap and needle roller bearings; hard coat anodised alloy sheave; soft PVC cheeks.
- RF6751: Grade 316 stainless steel frame, load strap, sheave and needle roller bearings; soft thermoplastic rubber cheeks.
- RF6710, RF6711, RF6720, RF6721: Grade 316 stainless steel frame, load strap and hub; UV stabilised acetal sheaves; soft thermoplastic rubber cheeks.

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
AP All Purpose											
RF6710	Snatch block, swivel snap shackle head	51	12	425	850	250	2	1/2	935	1870	8.8
RF6711	Snatch block, trunnion snap shackle head	51	12	425	850	260	2	1/2	935	1870	9.2
RF6720	Snatch block, swivel snap shackle head	64	12	850	1700	480	2 1/2	1/2	1870	3750	16.9
RF6721	Snatch block, trunnion snap shackle head	64	12	850	1700	510	2 1/2	1/2	1870	3750	18.0
SP Special Purpose - Roller Bearings											
RF6730	Snatch block, aluminium sheave, roller bearings, swivel snap shackle head	45	16	1350	2700	550	1 3/4	5/8	2970	5940	19.4
RF6741	Snatch block, aluminium sheave, roller bearings, trunnion snap shackle head	45	16	1275	2550	610	1 3/4	5/8	2805	5610	21.5
RF6751	Snatch block, stainless steel sheave, roller bearings, trunnion snap shackle head	80	19	2500	5000	1480	3 1/8	3/4	5500	11000	52.2



SA block sheave


Cheek plates rotate to open block

Self-lubricating composite journal bearing


Soft shackle & aluminium dog bone


Watch Video

SA SNATCH BLOCKS

SOFT ATTACHMENT BLOCKS

Designed from the outset to deliver outstanding performance, these blocks achieve the highest ratings for dynamic load vs sheave diameter in our keelboat block range. They are built to perform and built to last. Every SA Snatch Block features fully machined, anodised aluminium cheek plates. Sheaves run on duplex stainless steel hubs and incorporate precision composite journal bearings and thrust washers. The soft attachment is a purpose designed Dyneema® SK99 cord shackle with aluminium dog bone.

Ultimate dynamic and static load performance

SA Snatch Blocks incorporate a full contact, self-lubricating composite journal bearing running on a polished duplex stainless steel hub, to maintain low friction performance under heavy dynamic and static loads.
Thrust washers in the same composite material are positioned between the sheave and the cheek plates to handle the high side loads that can be generated when line entry and exit alignment is not ideal. Testing has shown reduced friction and greater durability than ball bearings in this application.

Attach, detach and open

The soft shackle provides a simple means of attachment, secured with the aluminium dog bone but easily opened when necessary to detach the block.
With the shackle open a gentle rotation of the cheek plates opens the head of the block so it can be fitted to a standing line. To close the block, rotate the cheeks back to the closed position until the spring loaded ball lock secures them in place. No additional external straps or bands required.

Soft shackle with aluminium dog bone

Drawing on the expertise of Nodus Factory, many design iterations were tested before finalising specifications of the Dyneema® SK99 cord shackle and aluminium dog bone. Proprietary Nodus Factory splicing techniques and fibre surface coating ensure secure load transfer from the block and maximum durability.

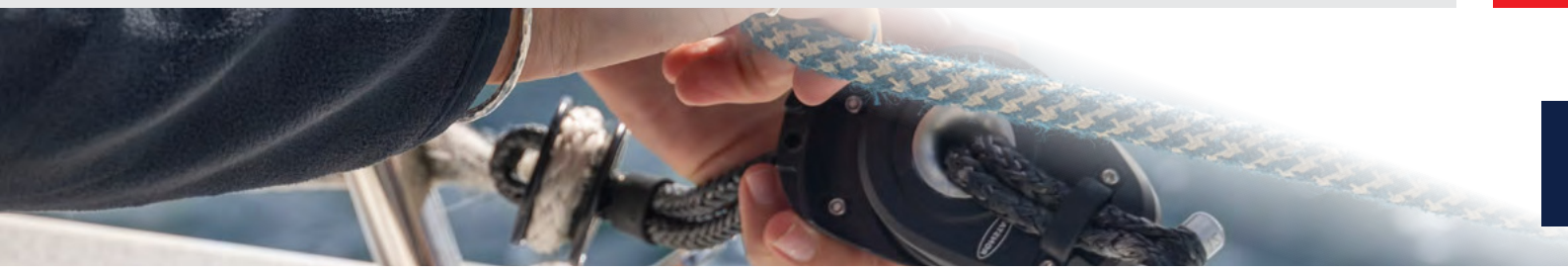
Aluminium alloy cheek plates & sheaves

Block cheeks and sheaves are precision machined from high strength aluminium alloy, anodised for durability and corrosion resistance. The soft attachment through the hub provides a protective buffer between the block and boat surfaces. Retaining guides in soft elastomer ensure that the block remains aligned within the soft shackle.

A multitude of applications

Suited to temporary or permanent line deflection, load carrying and snatch block applications including: 2:1 main halyards, headsail and spinnaker sheets, mast base halyard deflection, and running backstays.

SOFT ATTACHMENT BLOCKS



- Soft shackle retained by elastomer guides, aluminium dog bone allows for easy attachment and removal of the block.
- Cheek plates rotate to open the block, close with spring loaded ball lock securing in place.
- Self-lubricating bearing and thrust washers for optimum dynamic and static performance.
- Lead or floating blocks for headsail sheet trimming.
- Mast base blocks.
- Temporary lead blocks for sheet deflection, barber haulers and tack lines.
- 2:1 main halyards.
- Spare or replacement block for general use.
- Cheek plates and sheaves: Aluminium alloy, anodised.
- Bearings and thrust washers: Proprietary self-lubricating composite.
- Hubs: Grade 2205 stainless steel.
- Soft shackle: Dyneema® SK99 cord with proprietary coating, aluminium dog bone, TPV collar.

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
AP All Purpose											
RF47109	Soft Attachment Block, Single, Snatch	42	12	2000	4000	165	1 5/8	1/2	4410	8820	5.8
RF67109	Soft Attachment Block, Single, Snatch	60	16	4000	8000	365	2 3/8	5/8	8820	17640	12.9
RF77109	Soft Attachment Block, Single, Snatch	75	19	7000	14000	753	2 15/16	3/4	15430	30860	26.6
RF47109NS	Soft Attachment Block, Single, Snatch - does not include soft shackle	42	12	2000*	4000	151	1 5/8	1/2	4410*	8820	5.3
RF67109NS	Soft Attachment Block, Single, Snatch - does not include soft shackle	60	16	4000*	8000	335	2 3/8	5/8	8820*	17640	11.8
RF77109NS	Soft Attachment Block, Single, Snatch - does not include soft shackle	75	19	7000*	14000	676	2 15/16	3/4	15430*	30860	23.8
RF7008-09	Soft Shackle, 6mm x 95mm, Suits RF47109	-	-	2000	4000	14	-	-	4410	8820	0.5
RF7010-13	Soft Shackle, 8mm x 135mm, Suits RF67109	-	-	4000	8000	30	-	-	8820	17640	1.1
RF7014-16	Soft Shackle, 10mm x 165mm, Suits RF77109	-	-	7000	14000	77	-	-	15430	30860	2.7

Dyneema® is a registered trademark of DSM IP Assets B.V.
* MWL. and BL are for the block only and does not include the soft attachment. Consideration must be given when selecting your attachment option as it may not be equivalent to the block MWL and BL.

SHEAVES

BB ACETAL SHEAVE - ACETAL BALL BEARINGS

BB ALUMINIUM SHEAVE - TORLON® BALL BEARINGS

BB ALUMINIUM RATCHET SHEAVE - ACETAL BALL BEARINGS

AP ACETAL SHEAVE

AP GLASS REINFORCED NYLON SHEAVE

SP NYLATRON® SHEAVE

SP ALUMINIUM SHEAVE - COMPOSITE BEARING

BB BALL BEARING SHEAVES

- Ball bearings provide minimum friction under moderate loads.

AP ALL PURPOSE SHEAVES

- Acetal sheave models have high strength and utilise the self-lubricating properties of acetal.
- Glass reinforced nylon models have greater strength and abrasion resistance.

SP SPECIAL PURPOSE SHEAVES

- Nylatron® models utilise a cast partially cross-linked polyamide compound, modified with a MoS_2 filler for lubrication and to minimise wear. They are suitable for use with wire or rope.
- Aluminium models have a proprietary self-lubricating composite bearing and thrust washers. They are suitable for use with wire or rope.

PRODUCT No.	BLOCK SUITED	DIAM. mm	BORE mm	WIDTH mm	MAX. ROPE mm	MAX. WIRE mm	WEIGHT g	DIAM. in	BORE in	WIDTH in	MAX. ROPE in	MAX. WIRE in	WEIGHT oz
BB Acetal - Ball Bearing													
RF15000		15.0	4.7	7.1	5	-	3	5/8	3/16	9/32	3/16	-	0.1
RF1020		28.0	5.0	11.1	6	-	6	1 1/8	3/16	7/16	1/4	-	0.2
RF35000		30.0	10.4	10.2	8	-	7	1 3/16	3/8	7/16	5/16	-	0.2
RF1766		38.0	8.0	15.0	10	-	15	1 1/2	5/16	19/32	3/8	-	0.5
RF1767		50.4	8.0	17.5	10	-	33	2	5/16	11/16	3/8	-	1.2
RF48000		40.0	6.0	15.5	10	-	30	1 9/16	1/4	5/8	3/8	-	1.1
RF60000		60.0	3 x 6.2	16.6	10	-	50	2 3/8	3 x 7/32	21/32	3/8	-	1.8
RF70000		75.0	3 x 6.2	20.8	12	-	104	3	3 x 7/32	13/16	1/2	-	3.7
BB Aluminium - Ball Bearing													
RF34000		30.0	6.0	7.7	5	-	10	1 3/16	7/32	5/16	3/16	-	0.4
RF44000		40.0	6.0	10.1	6	-	15	1 9/16	7/32	13/32	1/4	-	0.5
RF62000	Series 60 Ultimate Ratchet	60.0	3 x 6.1	16.6	10	-	45	2 3/8	3 x 7/32	21/32	3/8	-	1.6
RF72000	Series 75 Ultimate Ratchet	75.0	3 x 6.1	20.8	12	-	95	3	3 x 7/32	13/16	1/2	-	3.4
AP Acetal													
RF1741		19.0	6.6	6.4	6	-	1	3/4	1/4	1/4	1/4	-	0.1
RF1743		19.0	8.2	9.5	6	-	2	3/4	5/16	3/8	1/4	-	0.1
RF578		25.0	6.5	9.5	6	-	4	1	1/4	3/8	1/4	-	0.1
RF1746		26.0	9.8	12.0	8	-	5	1	3/8	15/32	5/16	-	0.2
RF128		28.0	8.1	15.2	12	-	7	1 1/8	5/16	19/32	1/2	-	0.2
RF129		28.0	6.6	9.9	8	-	6	1 1/8	1/4	3/8	5/16	-	0.2
RF41000		40.0	8.1	14.4	10	-	15	1 9/16	5/16	9/16	13/32	-	0.5
RF1006	Series 40 Deck Organisers	38.0	12.7	15.5	12	-	21	1 1/2	1/2	19/32	1/2	-	0.7
RF1751		38.0	8.2	10.2	6	-	10	1 1/2	11/32	13/32	1/4	-	0.4
RF1759		50.0	8.1	15.6	14	-	22	1 15/16	11/32	19/32	9/16	-	0.8
RF437		59.0	11.0	19.0	16	-	43	2 5/16	7/16	3/4	5/8	-	1.5
RF1765		66.0	8.2	15.1	5	-	35	2 5/8	11/32	15/32	3/16	-	1.2
RF431*		73.0	13.0	22.0	14	-	97	2 7/8	15/32	7/8	9/16	-	3.4
RZ1000	Series 75 Industrial	75.0	21.7	20.5	14	-	70	2 15/16	7/8	13/16	9/16	-	2.5
AP Glass Reinforced Nylon													
PNP98JR		75.0	13.0	15.8	10	-	59	2 15/16	15/32	19/32	3/8	-	2.1
PNP98KR		100.0	13.0	19.0	12	-	80	3 15/16	15/32	3/4	1/2	-	2.8
SP Nylatron®													
RF20000HL		20.0	8.1	8.8	6	3	2	3/4	5/16	3/8	1/4	1/8	0.1
RF430	RF468	25.0	6.5	7.0	5	5	10	1	1/4	9/32	3/16	3/16	0.4
RF30000HL		30.0	8.1	11.4	8	3	6	1 3/16	5/16	7/16	5/16	1/8	0.2
RF40000HL		40.0	8.1	13.4	10	4	15	1 1/2	5/16	17/32	3/8	5/32	0.5
RF132	RF103, RF104	45.0	8.0	9.5	-	6	33	1 3/4	5/16	3/8	-	1/4	1.2
RF50000HL		50.0	10.2	18.0	12	5	28	1 31/32	13/32	23/32	1/2	3/16	1.0
SP Aluminium - Composite Bearing													
RZ1000AW	Series 75 Industrial	75.0	21.7	20.2	-	8	190	-	7/8	13/16	-	5/16	6.7

* Acetal sheave with bronze bearing


RF68000 BB
8mm (5/16")


RF78000 BB
10mm (3/8")


RF108000 BB
3 x 8mm (5/16")


RF128000 BB
6 x 6mm (1/4")


RF158000 BB
6 x 10mm (3/8")


RF68000W BB
8mm (5/16")


RF78000W BB
10mm (3/8")


RF108000W BB
3 x 8mm (5/16")


RF128000W BB
6 x 6mm (1/4")


RF158000W BB
6 x 10mm (3/8")


RF61000 AP
8mm (5/16")


RF71000 AP
10mm (3/8")

AP ALL PURPOSE SHEAVES

- Sheave: UV stabilised acetal.
- Hub bush: Grade 316 stainless steel.

BB BALL BEARING SHEAVES

- Sheave: Aluminium alloy.
- Needle rollers: Torlon® (RF68000: PEEK, RF68000W: acetal).
- Ball bearings: High compression strength acetal.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	WIDTH mm	MAX. ROPE mm	M.W.L. kg	WEIGHT g	SHEAVE DIAM. in	WIDTH in	MAX. ROPE in	M.W.L. lb	WEIGHT oz
BB Ball Bearing											
RF68000	Sheave	60	20.5	14	1500	85	2 3/8	13/16	9/16	3310	3.0
RF68000W	Sheave, wide	60	33.0	25	1150	128	2 3/8	1 5/16	1	2540	4.5
RF78000	Sheave	75	20.5	14	1750	142	3	13/16	9/16	3850	5.0
RF78000W	Sheave, wide	75	41.5	25	2800	280	3	1 5/8	1	6160	9.9
RF108000	Sheave	100	20.5	14	2000	262	4	13/16	9/16	4400	9.2
RF108000W	Sheave, wide	100	41.5	25	3900	497	4	1 5/8	1	8600	17.5
RF128000	Sheave	125	20.5	16	3000	448	5	13/16	5/8	6600	15.8
RF128000W	Sheave, wide	125	41.5	32	6650	817	5	1 5/8	1 1/4	14660	28.8
RF158000	Sheave	150	27.5	20	5000	739	6	1 3/32	3/4	11000	26.1
RF158000W	Sheave, wide	150	41.5	32	8100	1164	6	1 5/8	1 1/4	17860	41.1
AP All Purpose											
RF61000	Sheave	60	20.5	14	1000	67	2 3/8	13/16	9/16	2200	2.4
RF71000	Sheave	75	20.5	14	1500	128	3	13/16	9/16	3310	4.5