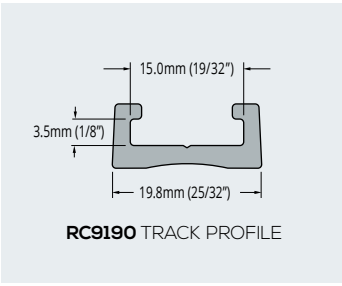
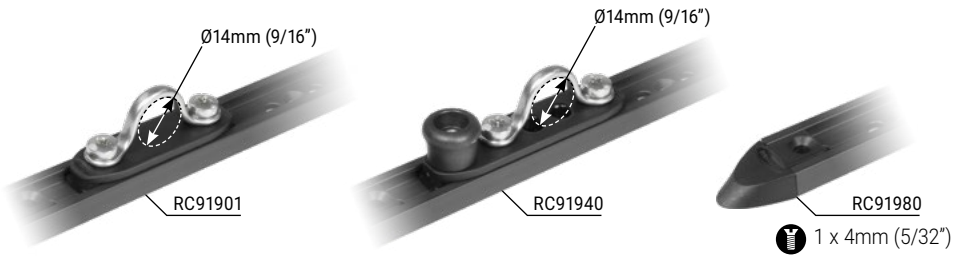
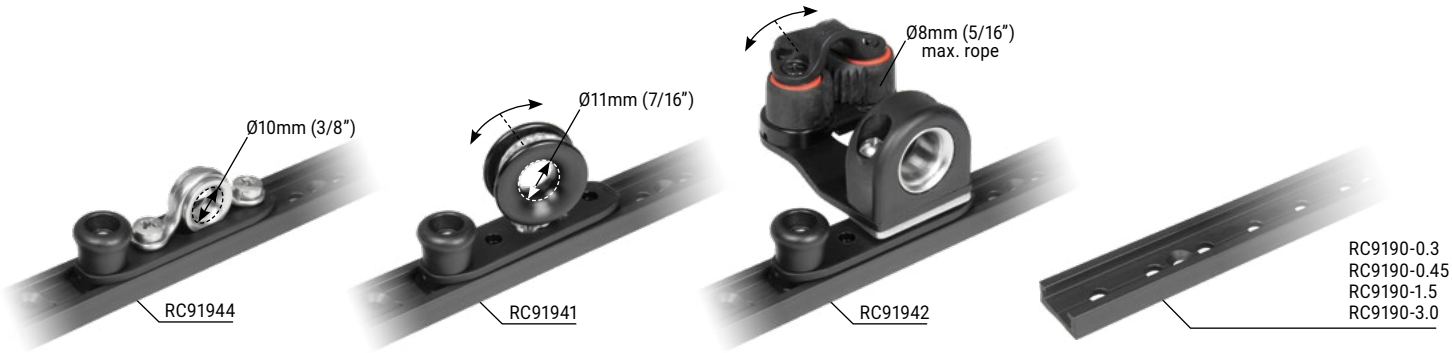
Dominic & Steve Randall, International Cadet



RC9190 TRACK PROFILE





RF1058
Suits RC91944

- Spring-loaded plunger stops allow fast, positive positioning of track slides.
- Slides are available with swivelling cleat and fairlead to suit different crewing positions.
- RC91942 features a small cam cleat and fairlead and suits line sizes 2-8mm (3/32-5/16").

RF134
Suits RC91901 & RC91940

- RC91941 RopeGlide™ ring has a 'soft' attachment which allows up to 250° rotation.
- Dinghy and small catamaran jib sheet leads.
- Dinghy outhauls.

- Grade AL6061-T6 aluminium alloy track.
- Glass fibre reinforced nylon slides.
- Grade 316 stainless steel fixtures.

SERIES 19 TRACK FASTENINGS – 4mm (5/32") countersunk fasteners at 75mm (2 15/16") centres. **STOP HOLES** – 19mm (3/4") centres

PRODUCT No.	DESCRIPTION	LENGTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Series 19									
RC9190-0.3	Track	296	-	-	64	11 5/8	-	-	2.3
RC9190-0.45	Track	446	-	-	96	17 9/16	-	-	3.4
RC9190-1.5	Track	1496	-	-	321	58 7/8	-	-	11.3
RC9190-3.0	Track	2996	-	-	643	117 5/16	-	-	22.7
RC91901	Slide, saddle	57	220	440	26	2 1/4	485	970	0.9
RC91940	Slide, saddle, plunger stop	71	220	440	33	2 13/16	485	970	1.2
RC91941	Slide, soft-attached ring, plunger stop	71	100	200	28	2 13/16	220	440	1.0
RC91942	Slide, swivelling fairlead & cleat, plunger stop	71	100*	200*	115	2 13/16	220*	440*	4.1
RC91944	Slide, saddle with ferrule eye, plunger stop	71	220	440	40	2 13/16	485	970	1.4
RC91980	Track end, plastic (2 pack)	19	-	-	2	3/4	-	-	0.1

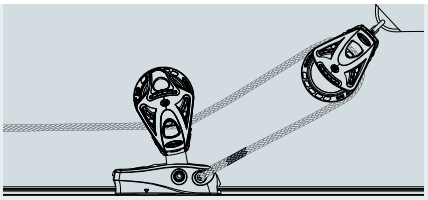
*Line load through cleat

SERIES 25 T-TRACK

© James Hill

Removable lead block

Ergonomic plunger stop operation

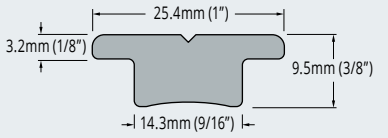


INTEGRATED BECKET FOR 2:1 SHEET SYSTEM

- Low profile and lightweight, T-Track is a simple, reliable system for adjustable sheet leads.
- Composite slides have a removable attachment pin to suit either a Dyneema® link or a shackle.
- Composite slides have an integrated becket for 2:1 headsail sheet systems, popular on modern sport boats.
- Composite slides have a spring-loaded push button plunger stop for fast, positive positioning.
- Stand-up blocks on composite slides provide optimum alignment and low profile lead.
- The main pin recess in the RC72504 composite slide can accept up to 8mm (5/16") line attached directly to the pin.
- A convenient all inclusive racing kit is available for sportsboats (RC72540S).
- RC72537S suitable for headsail sheet leads on boats up to 8m (26ft).
- RC72536S & RC72533S suitable for headsail sheet leads on boats up to 7m (23ft).
- Toughened, glass fibre reinforced nylon slide.
- Grade AL6061-T6 aluminium alloy track.
- Grade 316 stainless steel ring (RC72544).

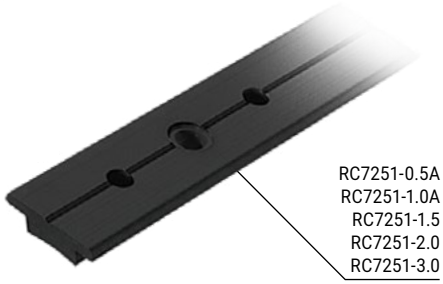
TRACK FASTENINGS – 5mm (3/16") countersunk fasteners at 100mm (3 15/16") centres. **STOP HOLES** - 25mm (63/64") centres for Racing track, 50mm (1 31/32") on all other tracks.

PRODUCT No.	DESCRIPTION	LENGTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Slides									
RC72536S	Composite slide, Series 40 BB Orbit Block™, stand-up, suits up to 9mm (5/16") rope, plunger stop	102	325	700	152	4	715	1540	5.4
RC72537S	Composite slide, Series 55 BB Orbit Block™, stand-up, suits up to 10mm (3/8") rope, plunger stop	102	500	1000	193	4	1100	2200	6.8
RC72540S	Racing Kit, including 2 x 465mm (18 5/16") racing tracks, 2 x composite slides with Series 55 BB Orbit Block™, 4 x track ends, 10 x track bolt insulators	-	500	1000	842	-	1100	2200	29.8



RC7251 TRACK PROFILE

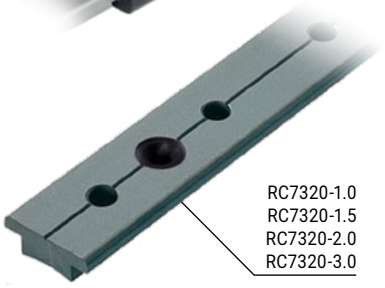
1 x 5mm (3/16")

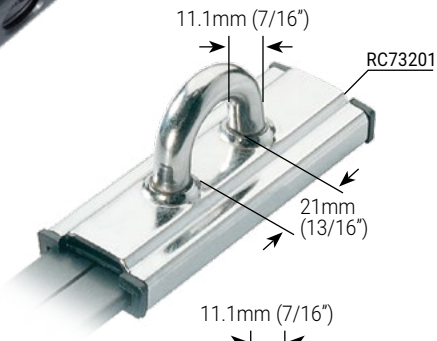


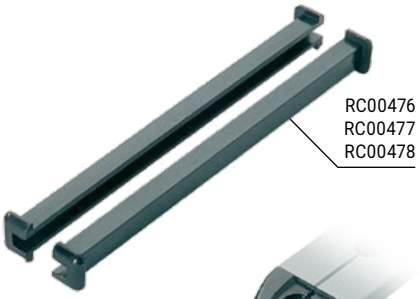
RF134
Suits RC72505, RC72506 & RC72533S

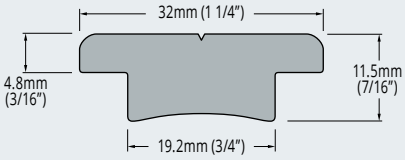
PRODUCT No.	DESCRIPTION	LENGTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Slides									
RC72504	Composite slide, removable M4 pin, plunger stop	102	500	1000	107	4	1100	2200	3.8
RC72505	Composite slide, saddle, plunger stop	80	400	800	72	5 5/32	880	1765	2.5
RC72506	Composite slide, saddle	67	400	800	57	2 5/8	880	1765	2
RC72533S	Composite slide, Series 40 AP block, stand-up, suits up to 10mm (7/16") rope, plunger stop	80	400	800	137	5 5/32	880	1765	4.8
RC72541	Composite slide, RopeGlide™ Ring, 16mm (5/8") internal dia.	102	500	1000	120	4	1100	2200	4.2
RC72544	Composite spinnaker pole slide ring, plunger stop	102	400	800	215	4	880	1760	7.6
Accessories									
RC7250-INS	Track bolt insulator	-	-	-	3	-	-	-	0.1
RC72581	Track end, plastic	-	-	-	5	-	-	-	0.2
RF9004-13	Dyneema® link, 4mm x 130mm (5/32" x 5 1/8")	130	-	-	4	5 1/8	-	-	0.1
Track - Supplied with RC7250-INS nylon track bolt insulators									
RC7251-0.5A	Racing track, black, 25mm (63/64") stop hole centres	465	-	-	188	18 5/16			6.6
RC7251-1.0A	Racing track, black, 25mm (63/64") stop hole centres	996	-	-	405	39 3/16	-	-	14.2
RC7251-1.5	Track, black, 50mm (1 31/32") stop hole centres	1496	-	-	631	58 7/8	-	-	22.2
RC7251-2.0	Track, black, 50mm (1 31/32") stop hole centres	1996	-	-	841	78 9/16	-	-	29.7
RC7251-3.0	Track, black, 50mm (1 31/32") stop hole centres	2996	-	-	1263	117 15/16	-	-	44.5

SERIES 32 T-TRACK

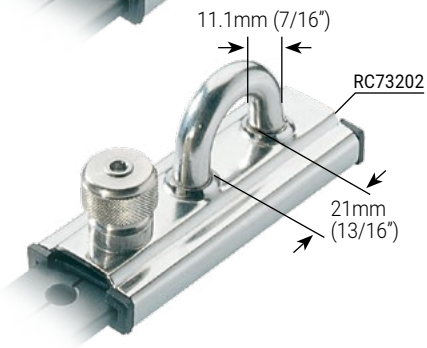








RC7320 TRACK PROFILE



- The lead block on RC73234 and RC73235 articulates for ideal sheet alignment and have an integrated anti-clatter rubber buffer.
- RC73231, RC73234 Jib sheet leads suit boats to 12m (40ft).
- RC73235 Jib sheet leads suit boats to 10m (33ft).
- RC73231 genoa car can accommodate two sheets for easy headsail changes, and has a plunger stop that can be locked in the "up" position.
- Grade AL6061-T6 aluminium alloy track.
- Grade 316 stainless steel slide bodies.
- UV stabilised acetal sheaves.
- Nylon slide liners.

TRACK FASTENINGS – 6mm (1/4") countersunk fasteners at 100mm (3 15/16") centres. **STOP HOLES** – 50mm (1 31/32") centres

PRODUCT No.	DESCRIPTION	LENGTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Series 32 T-Track									
RC00476	Slide liners (pair), nylon, suits RC73201, RC73202, RC73243	107	-	-	7	4 7/32	-	-	0.3
RC00477	Slide liners (pair), nylon, suits RC73231	152	-	-	11	6	-	-	0.4
RC00478	Slide liners (pair), nylon, suits RC73234	107	-	-	7	4 7/32	-	-	0.3
RC7320-INS	Track bolt insulator	-	-	-	3	-	-	-	0.1
RC73201	Slide, loop top	102	1000*2	2000*2	185	4	2200*2	4400*2	6.5
RC73202	Slide, loop top, plunger stop	102	1000*2	2000*2	240	4	2200*2	4400*2	8.5
RC73231	Genoa car, 50mm (2") AP sheave, suits two 16mm (5/8") sheets, lock up/down plunger stop	146	1500	3000	480	5 3/4	3300	6600	17.0
RC73234	Genoa car, S60 BB Core Block™, suits 12mm (1/2") sheet, lock up/down plunger stop	104	1000	2000	400	4 1/8	2200	4400	14.1
RC73235	Genoa car, S45 BB Core Block™, suits 12mm (1/2") sheet, lock up/down plunger stop	104	700	1400	270	4 1/8	1540	3090	9.5
RC73243	Slide, spinnaker pole ring, plunger stop	102	-	-	315	4	-	-	11.1
RC73280	Track end, plastic	32	-	-	35	1 1/4	-	-	1.2
Track – Supplied with RC7320-INS nylon track bolt insulators									
RC7320-1.0*1	Track, black	996	-	-	670	39 3/16	-	-	23.6
RC7320-1.5*1	Track, black	1496	-	-	1000	58 7/8	-	-	35.3
RC7320-2.0*1	Track, black	1996	-	-	1330	78 9/16	-	-	46.9
RC7320-3.0*1	Track, black	2996	-	-	2000	117 15/16	-	-	70.5

*1 Silver track available - Order as RCxxxxxS.
*2 Load ratings based on pull perpendicular to track

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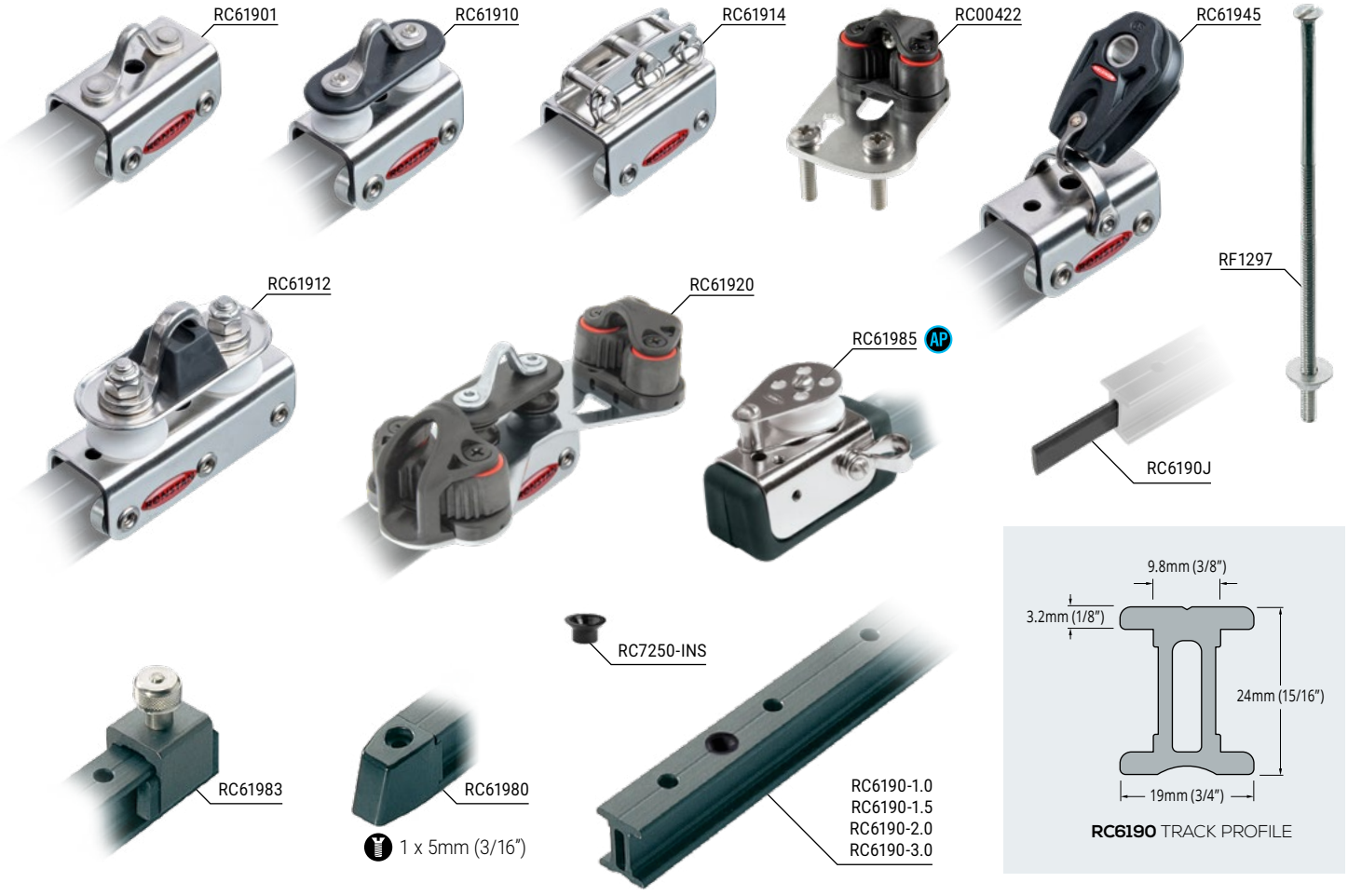
SERIES 19 I-TRACK

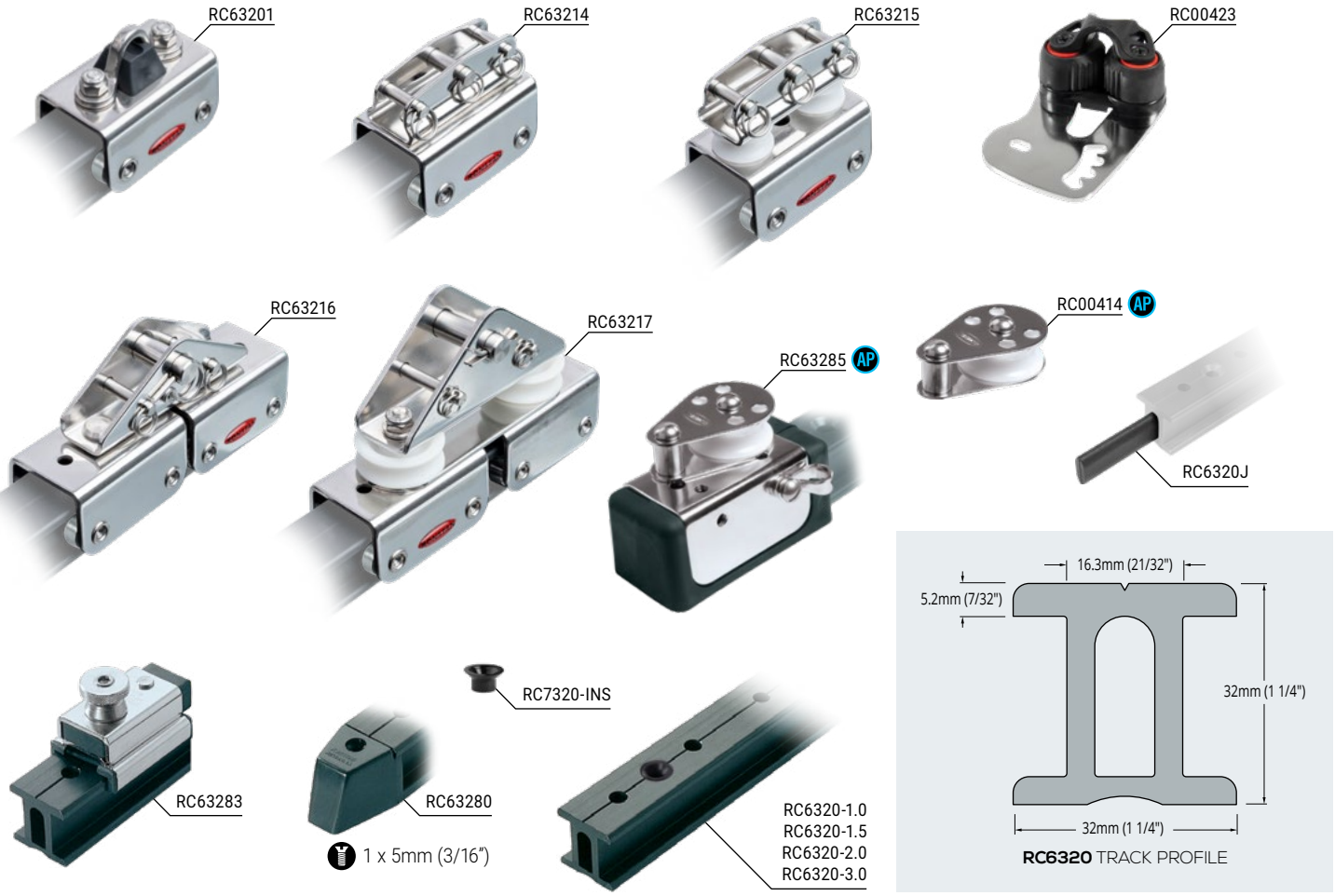


RC6190 TRACK PROFILE

- Strong stainless steel bodies.
- Flared sides and angled ball bearing wheels provide high load capacity and smooth operation.
- Cleat plates can be fitted to suit vertical or horizontal pull of control line.
- Control sheaves suit up to 6mm (1/4") rope.
- Refer to page 131 for track bending.
- Single cars – Mainsheet and self-tacking jib travellers on dinghies and catamarans.
- Tandem cars – Mainsheet systems on boats up to 9m (30ft).
- Grade 316 stainless steel car bodies and fixtures.
- Grade 2250 stainless steel wheels and bearing races for improved dynamic performance.
- UV stabilised acetal control sheaves.
- Grade AL6061-T6 aluminium alloy track.

TRACK FASTENINGS – M5 (3/16") countersunk fasteners at 100mm (3 15/16") centres. **STOP HOLES** – 50mm (1 31/32") centres

PRODUCT No.	DESCRIPTION	LENGTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Series 19 I-Track									
RC61901	Car, saddle top	51	250	650	115	2	550	1430	4.1
RC61910	Car, saddle top, single control sheaves	51	250	650	125	2	550	1430	4.4
RC61912	Car, saddle top, single control sheaves	86	325	1400	260	3 3/8	715	3080	9.2
RC61914	Car, channel top	51	250	650	140	2	550	1430	4.9
RC61920	Car, saddle top, single control sheaves, cleats	51	250	650	210	2	550	1430	7.4
RC61945	Car, Series 30 Nylatron® sheave Orbit Block™	51	250	500	144	2	550	1100	5.1
RC61980	End cap, plastic	25	-	-	10	1	-	-	0.4
RC61983	Adjustable stop	25	-	-	40	1	-	-	1.4
RC61985	Control end, 28mm (1 1/8") diameter, single AP sheave, becket	70	-	-	130	2 3/4	-	-	4.6
RC7250-INS	Track bolt insulator	-	-	-	3	-	-	-	0.1
RF1297	Track bolt, 3/16" UNC x 152mm (6"), nut, washer	-	-	-	25	-	-	-	0.9
RC00422	Control end cleat addition kit	-	-	-	110	-	-	-	3.9
Track - Supplied with RC7250-INS nylon track bolt insulators									
RC6190-1.0	Track, black	996	-	-	830	39 3/16	-	-	29.3
RC6190-1.5	Track, black	1496	-	-	1240	58 7/8	-	-	43.8
RC6190-2.0	Track, black	1996	-	-	1650	78 9/16	-	-	58.3
RC6190-3.0	Track, black	2996	-	-	2480	117 15/16	-	-	87.6
RC6190J	Track joiner	60	-	-	5	2 3/8	-	-	0.2



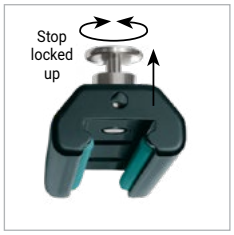
- Strong stainless steel bodies.
- Flared sides and angled ball bearing wheels provide high load capacity and smooth operation.
- Modular track end fittings can be assembled to provide up to 4:1 purchase.
- Cleat plates can be fitted to suit vertical or horizontal pull of control line.
- Refer to page 131 for track bending.
- Control sheaves suit up to 8mm (5/16") rope.
- Single cars – Mainsheet and self-tacking jib travellers on boats up to 9m (30ft).
- Tandem cars – Mainsheet systems on boats up to 12m (40ft).
- Grade 316 stainless steel car bodies, wheels and bearing races and fixtures.
- UV stabilised acetal control sheaves.
- Grade AL6061-T6 aluminium alloy track.

TRACK FASTENINGS – M6 (1/4") countersunk fasteners at 100mm (3 15/16") centres. **STOP HOLES** – 50mm (2") centres

PRODUCT No.	DESCRIPTION	LENGTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Series 32 I-Track									
RC00414	Control end sheave addition kit	-	-	-	70	-	-	-	2.5
RC00423	Control end cleat addition kit	-	-	-	140	-	-	-	4.9
RC7320-INS	Track bolt insulator	-	-	-	3	-	-	-	0.1
RC63201	Car, saddle top, rubber stand-up pad	76	650	2000	320	3	1430	4400	11.3
RC63214	Car, channel top	76	650	1400	370	3	1430	3080	13.1
RC63215	Car, channel top, single control sheaves	76	650	1400	390	3	1430	3080	13.8
RC63216	Car, tandem, channel top	157	1300	4200	735	6 3/16	2860	9240	26.0
RC63217	Car, tandem, channel top, single control sheaves	157	1300	4200	950	6 3/16	2860	9240	33.6
RC63280	End cap, plastic	40	-	-	10	1 9/16	-	-	0.4
RC63283	Adjustable stop	64	-	-	180	2 1/2	-	-	6.3
RC63285	Control end, 38mm (1 1/2") diameter, single AP sheave, becket	98	-	-	330	3 7/8	-	-	11.6
Track – Supplied with RC7320-INS nylon track bolt insulators									
RC6320-1.0	Track, black	996	-	-	1210	39 3/16	-	-	42.8
RC6320-1.5	Track, black	1496	-	-	1810	58 7/8	-	-	64.0
RC6320-2.0	Track, black	1996	-	-	2410	78 9/16	-	-	85.2
RC6320-3.0	Track, black	2996	-	-	3620	117 15/16	-	-	127.9
RC6320J	Track joiner	60	-	-	14	2 3/8	-	-	0.5

Ball Bearing cars

Sliderod cars



Plunger stop can be locked up

Track profile options

Control line accessories

Adjustable control end cleats

BALL BEARING TRAVELLER SYSTEMS

SMOOTH CONTROL

Ronstan traveller systems deliver the performance required for optimising sail trim, responding quickly to changing conditions and getting the right balance from the loads on sails, rig and foils. Ronstan systems have been put to the test by Round the World Race teams, Vendée Globe challengers, and the professionals on the prestige international circuits who demand the highest performance and dependability, with no room for compromise.

BB Ball Bearing cars

Machined alloy car bodies provide high strength and durability with minimum weight. Low profile cars ensure that sheets and control lines run close to the deck. Highly efficient recirculating Torlon® ball bearing systems allow precision adjustment and control even in the most demanding conditions.

SR Sliderod cars

Sliderod cars are suitable for static load applications where adjustment under load is not required and are machined from a dedicated alloy body profile.

Attention to detail

Car bodies are machined to precise specifications, then honed to an exceptional finish before being treated and anodised for maximum corrosion protection. Stainless steel elements are put through a special high energy finishing process to achieve a uniquely smooth edge and surface finish. Spring-loaded plunger stops engage with stop holes in tracks and can be locked in the "up" (disengaged) position.

Control accessories

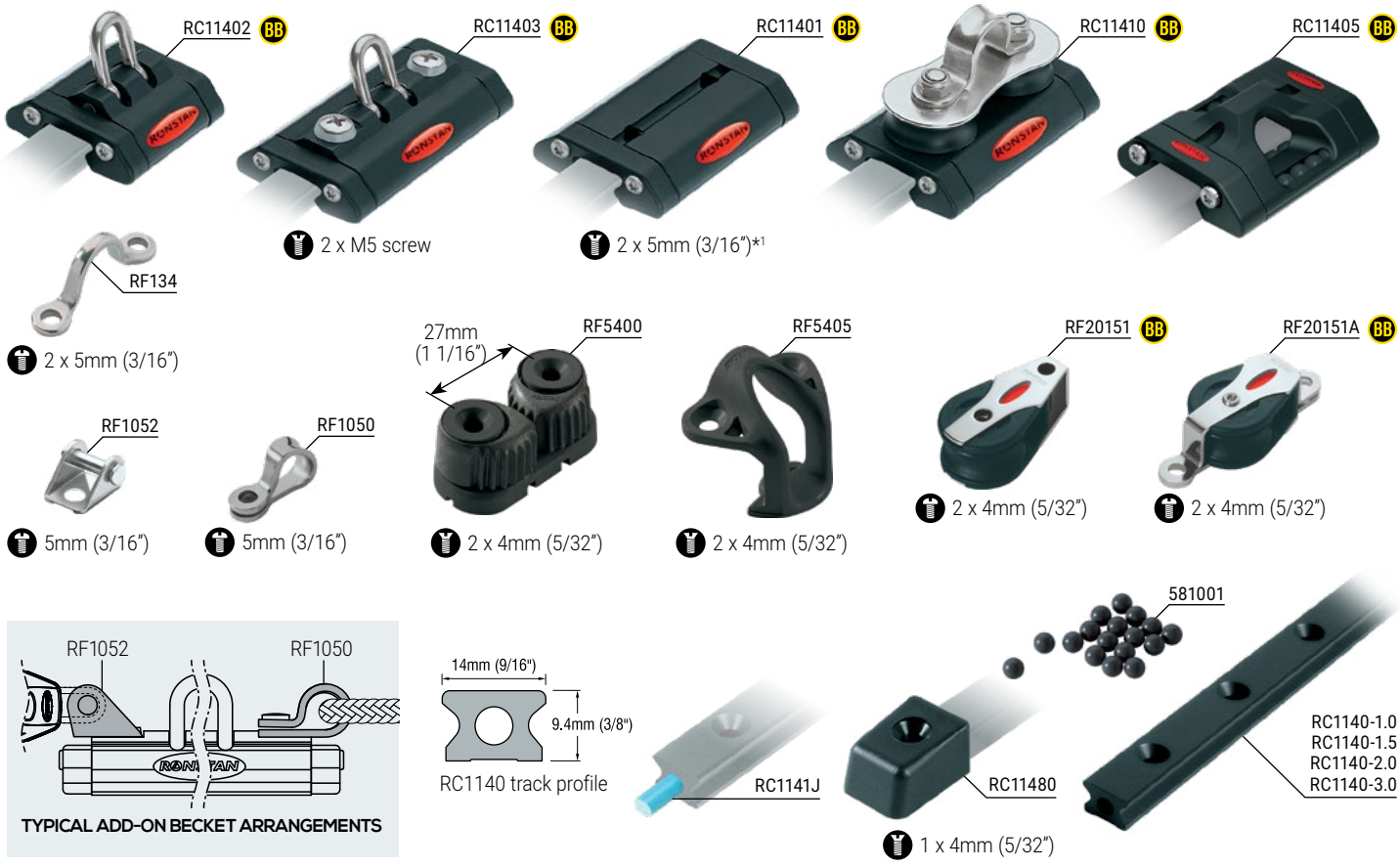
Cam cleat supports can be adjusted to the optimum cleating angle. Control sheaves provide purchase systems for mainsheet travellers and genoa sheet lead adjustment. Ball Bearing sheave and becket addition kits are available for cars and track control ends to provide extra control line purchase where required.

Tracks

7 track sizes are available in the standard product range, to match system specifications to individual requirements. Beam track options are available for unsupported spans (cockpit, companionway, hatch, etc.). Curved track can be supplied with bend in either horizontal or vertical plane. Minimum bend radius depends on car length. See pages 130 & 131 for options and details.

Custom Solutions

Custom solutions are also available - see the custom products section on www.ronstan.com for ideas and inspiration.



- Low profile, lightweight alloy cars and impact modified, fibre reinforced and UV stabilised nylon end caps.
- Twin rows of recirculating acetal ball bearings provide smooth, low friction performance under load.
- Control sheaves suit up to 6mm (1/4") diam. rope.
- Loop and fork style fittings are easily added for becket and control line block attachment.
- Cleats, fairleads and cheek blocks can be mounted directly on deck or cockpit sides to complete the control line systems.
- Refer to page 131 for track bending.
- Dinghy and catamaran traveller and jib sheet systems.
- Alloy track and cars.
- Acetal ball bearings.
- Grade 316 stainless steel fixtures.

TRACK FASTENINGS – 4mm (5/32") countersunk fasteners at 50mm (1 31/32") centres

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC1141J	Track joiner	40	-	-	-	1	1 9/16	-	-	-	0.1
RC11401*1	Car, 2 mounting holes, 35mm (1 3/8") hole spacing	68	41	150	400	48	2 11/16	1 5/8	330	880	1.7
RC11402	Car, pivoting shackle top	47	41	125	400	45	1 7/8	1 5/8	280	880	1.6
RC11403	Car, pivoting shackle top, 2 mounting screws	78	41	180	400	88	3 1/16	1 5/8	400	880	3.1
RC11405	Orbit Car, integrated lashing eye	50	41	125	250	30	2	1 5/8	275	550	1.1
RC1140-1.0*2	Track, black	996	14	-	-	230	39 3/16	9/16	-	-	8.1
RC1140-1.5*2	Track, black	1496	14	-	-	345	58 7/8	9/16	-	-	12.2
RC1140-2.0*2	Track, black	1996	14	-	-	460	78 9/16	9/16	-	-	16.2
RC1140-3.0*2&3	Track, black	2996	14	-	-	690	117 15/16	9/16	-	-	24.3
RC11410	Car, saddle top, single AP control sheaves	68	41	150	400	86	2 11/16	1 5/8	330	880	3.0
RC11480	End cap, plastic	28	20	-	-	6	1 1/8	25/32	-	-	0.2
Accessories											
581001	Ball bearing, acetal, 5.00mm (0.197") diameter	-	-	-	-	1	-	-	-	-	0.1
RF134	Saddle, control line termination point	-	-	-	-	5	-	-	-	-	0.2
RF1050	Control becket, 8mm (5/16") eye, suits RC11403	-	-	-	-	6	-	-	-	-	0.2
RF1052	Control becket fork, 5mm (3/16") pin, suits RC11403	-	11	-	-	9	-	7/16	-	-	0.3
RF5400	Cleat, suits 2mm - 8mm (3/32" - 5/16") rope	-	-	75	150	20	-	-	165	330	0.7
RF5405	Fairlead, suits RF5400 C-Cleat™	-	-	-	-	7	-	-	-	-	0.2
RF20151	20mm (3/4") BB Utility cheek block, for leading control lines	-	-	250	550	14	-	-	550	1210	0.5
RF20151A	20mm (3/4") BB Utility cheek block, rivet mount, for leading control lines	-	-	200	550	17	-	-	440	1210	0.6

*1 RC11401 holes are countersunk on underside of car.
*2 Silver track available - order as RCxxxxxxS
*3 Longer tracks available on request.

SERIES 19 BALL BEARING

RC11902 BB

RC11903 BB

2 x M5 screw

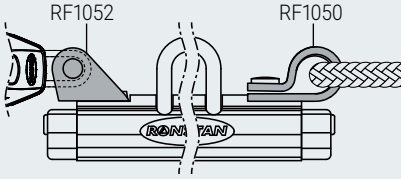
RC11905 BB

RC11910 BB

RC11945 BB

RC11920 BB

RC11921 BB



TYPICAL ADD-ON BECKET ARRANGEMENTS

RF1052

5mm (3/16")

RF1050

5mm (3/16")

501002

- Low profile, lightweight alloy cars and impact modified, fibre reinforced and UV stabilised nylon end caps.
- Twin rows of recirculating Torlon® ball bearings provide smooth, low friction performance under load.
- Compact sheave arrangements for neat, low profile control line purchase systems. Control sheaves are 24mm (15/16") diameter and suit up to 6mm (1/4") rope.
- Loop and fork style fittings are easily added for becket and control line block attachment.
- Dinghy and catamaran mainsheet traveller and jib lead sheeting systems.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC11902	Car, pivoting shackle top	50	47	300	1050	60	2	1 7/8	660	2310	2.1
RC11903	Car, pivoting shackle top, 2 mounting screws	70	47	400	1490	85	2 3/4	1 7/8	880	3280	3.0
RC11905	Orbit Car, integrated lashing eye	50	47	300	600	38	2	1 7/8	660	1320	1.3
RC11910	Car, saddle top, single AP control sheaves	85	47	500	1240	120	3 11/32	1 7/8	1100	2730	4.2
RC11920	Car, saddle top, single AP control sheaves, C-Cleats™	85	47	500	1240	325	3 11/32	1 7/8	1100	2730	11.5
RC11921	Car, saddle top, double AP control sheaves, C-Cleats™	85	47	500	1240	345	3 11/32	1 7/8	1100	2730	12.2
RC11945	Car, 20mm (3/4") BB Utility block	50	47	250	550	60	2	1 7/8	550	1210	2.1
Accessories											
501002	Ball bearing, Torlon®, 5.00mm (0.197") diameter	-	-	-	-	1	-	-	-	-	0.1
RF1050	Control becket, 8mm (5/16") eye, suits RC11903	-	-	-	-	6	-	-	-	-	0.2
RF1052	Control becket fork, 5mm (3/16") pin, suits RC11903	-	11	-	-	9	-	7/16	-	-	0.3

SERIES 19 BALL BEARING

RC11912 BB

RC11922 BB

RC00451 SR
RC00452 SR
RC00453 SR

RC11930 BB

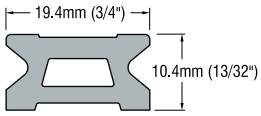
RC51930 SR

RC51940 SR

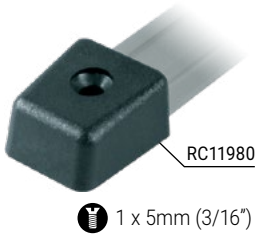
- Low profile, lightweight alloy cars and impact modified, fibre reinforced and UV stabilised nylon end caps.
- Twin rows of recirculating Torlon® ball bearings allow smooth adjustment of sheet lead position under load.
- Genoa cars pivot to 45° from vertical for optimum alignment with sheet load.
- Genoa car sheaves are 40mm (1 9/16") diameter, and wide enough to accept two sheets for easy headsail changes.
- The sliderod car is a simple option for a sheet lead that does not require adjustment under load, and has a plunger stop for precise and repeatable positioning.
- Control sheaves are 31mm (1 1/4") and suit up to 6mm (1/4") rope.
- Adjustable stops can be fitted on track aft of genoa cars and used to relieve load on adjustment tackle.
- Mainsheet traveller and jib lead sheeting systems on sportsboats and keelboats to 7m (23ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings.
- Acetal sliderods.
- Acetal primary sheaves (genoa cars).
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC11912	Car, pivoting saddle top, single control sheaves	100	47	605	1670	215	3 15/16	1 7/8	1330	3680	7.6
RC11922	Car, pivoting saddle top, single control sheaves & cleat	100	47	605	1670	365	3 15/16	1 7/8	1330	3680	12.9
RC11930	Genoa car, control beckets	100	47	605	1430	245	3 15/16	1 7/8	1330	3150	8.6
SR Sliderod											
RC00451	Sliderods, suits RC51930 (pair)	72	5	-	-	6	2 13/16	3/16	-	-	0.2
RC00452	Sliderods, suits RC11983 (pair)	45	5	-	-	4	1 3/4	3/16	-	-	0.1
RC00453	Sliderods, suits RC51940 (pair)	37	5	-	-	3	1 7/16	3/16	-	-	0.1
RC51930	Genoa car, sliderods, plunger stop	82	39	660	1430	230	3 1/4	1 9/16	1460	3150	8.1
RC51940	Car, sliderods, pivoting shackle plunger stop	55	39	310	1050	95	2 3/16	1 9/16	680	2310	3.6

SERIES 19 BALL BEARING



RC1190 TRACK PROFILE



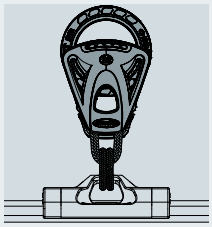
TRACK FASTENINGS – 5mm (3/16") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – 50mm (1 31/32") centres

- Control ends with high performance Torlon® ball bearing sheaves are used with mainsheet traveller and genoa sheeting systems to create purchase systems for easy adjustment of car position under load.
- Control end sheaves are 30mm (1 3/16") diameter and suit up to 6mm (1/4") rope.
- Track has stop holes for cars fitted with plunger stops.
- Cleat kits include mounting screws and are easily fitted to control ends – supports can be adjusted to optimum cleating angle.
- Refer to page 131 for track bending.
- Mainsheet systems on boats to 7m (23ft).
- Genoa sheet systems on boats to 10m (33ft).
- Alloy track, cars and control ends.
- Grade 316 stainless steel fixtures.

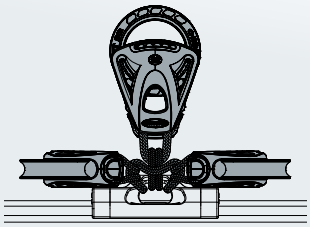
PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC00410	BB control end sheave addition kit	39	30	165	675	33	1 9/16	1 3/16	360	1490	1.2
RC00420	Control end C-Cleat™ addition kit	-	-	-	-	94	-	-	-	-	3.3
RC1190-1.0*1	Track, black	996	19	-	-	310	39 3/16	3/4	-	-	10.9
RC1190-1.5*1	Track, black	1496	19	-	-	465	58 7/8	3/4	-	-	16.4
RC1190-2.0*1	Track, black	1996	19	-	-	620	78 9/16	3/4	-	-	21.9
RC1190-3.0*1&2	Track, black	2996	19	-	-	930	117 15/16	3/4	-	-	32.8
RC1191J	Track joiner	60	-	-	-	3	2 3/8	-	-	-	0.1
RC11980	End cap, plastic	30	26	-	-	6	1 3/16	1	-	-	0.2
RC11981P	Cover plate for control end, includes screws	-	39	-	-	3	-	1 9/16	-	-	0.1
RC11983	Adjustable stop	57	47	-	-	65	2 1/4	1 7/8	-	-	2.3
RC11984	Control end, single BB sheave	65	39	165	675	82	2 9/16	1 9/16	360	1490	2.9
RC11985	Control end, single BB sheave & becket	78	39	245	675	102	3 1/16	1 9/16	540	1490	3.6

*1 Silver track available - Order as RCxxxxxxS
*2 Longer track available on request.

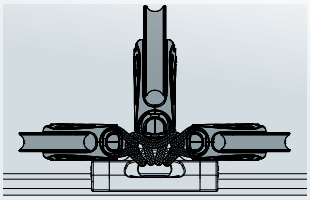
ORBIT



Orbit Block™ in line with car using additional Dyneema® link



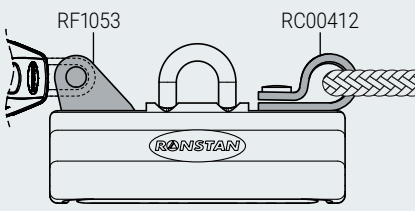
Orbit Block™ in line with car using additional Dyneema® link. Control blocks linked to each other through additional Dyneema® link.



Orbit Block™ 90º to car using supplied Dyneema® link. Control blocks attached using additional Dyneema® link.

2 x M6 screw

6mm (1/4")

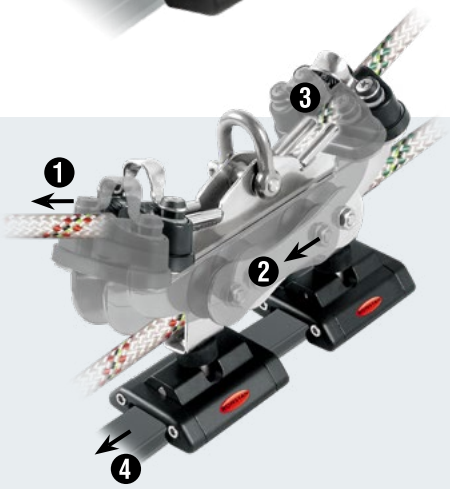


TYPICAL ADD-ON BECKET ARRANGEMENTS

- Low profile, lightweight alloy cars.
- Loop and fork style fittings are easily added for becket and control line block attachment.
- Compact sheave arrangements for neat, low profile control line purchase systems. Control sheaves are 30mm (1 3/16") diameter and suit up to 6mm (1/4") rope.
- Twin rows of recirculating Torlon® ball bearings provide smooth, low friction performance for easy adjustment under load.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC12203	Car, pivoting shackle top, 2 mounting screws	75	58	500	1490	145	3	2 5/16	1100	3280	5.1
RC12205	Orbit Car, integrated lashing eye	75	58	500	1490	110	3	2 5/16	1100	3280	3.9
RC12210	Car, saddle top, single control sheaves	125	58	880	2180	250	5	2 5/16	1940	4810	8.8
RC12220	Car, saddle top, single AP control sheaves, C-Cleats™	125	58	880	2000	635	5	2 5/16	1940	4410	22.4
RC12221	Car, saddle top, double AP control sheaves, C-Cleats™	125	58	880	2000	655	5	2 5/16	1940	4410	23.1
Accessories											
RC00412	Control becket, 8mm (5/16") eye, M6 screws, suits RC12203, RC12204 & RC12231	-	-	-	-	6	-	-	-	-	0.2
RF1053	Control becket fork, 5mm (3/16") pin, suits RC12203 & RC12204	-	14	-	-	9	-	9/16	-	-	0.3

SERIES 22 BALL BEARING



WINDWARD CONTROL CAR OPERATION

1. Windward control line is pulled in.
2. Cleat 'bridge' slides to windward on car.
3. Leeward cleat cams are opened by two pins fixed to car, releasing the leeward control line automatically.
4. Windward control line released, cleat bridge at rest with both control lines recleated.

- RC12223 cleat supports can be adjusted to optimum cleating angle.
- RC12227 windward control car control line sheaves suit 4:1 or 5:1 purchase system.
- RF44000 suits cars RC12213 & RC12223 for upgrade to ball bearing sheave.
- Stand-up spring kit RF324-1 is available to suit mainsheet cars RC12213, RC12223. Combine with a mainsheet system RF72700 or RF72900 for ultimate mainsheet control.
- Mainsheet systems on boats to 10m (33ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings in cars.
- Acetal control sheaves.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC12204	Car, pivoting shackle top, 2 mounting screws	125	58	880	2640	230	5	2 5/16	1940	5820	8.1
RC12213	Car, pivoting shackle top, double control sheaves	180	58	880	2180	520	7 1/16	2 5/16	1940	4810	18.3
RC12223	Car, pivoting shackle top, double control sheaves, adjustable C-Cleats™	180	58	880	2180	930	7 1/16	2 5/16	1940	4810	32.8
RC12227	Windward control car, pivoting top, triple control sheaves & C-Cleats™	175	58	880	2180	1056	6 7/8	2 5/16	1940	4810	37.2
Accessories											
RF324-1	Stand-up spring kit, suits RC12213, RC12223	-	-	-	-	60	-	-	-	-	2.1
RF44000	Aluminium control sheave, 40mm (1 1/2") diameter	-	-	-	-	16	-	-	-	-	0.6

SERIES 22 BALL BEARING

© Jurka Mihelin

RC52230 SR

RC12231 BB

RF68000W BB

501001

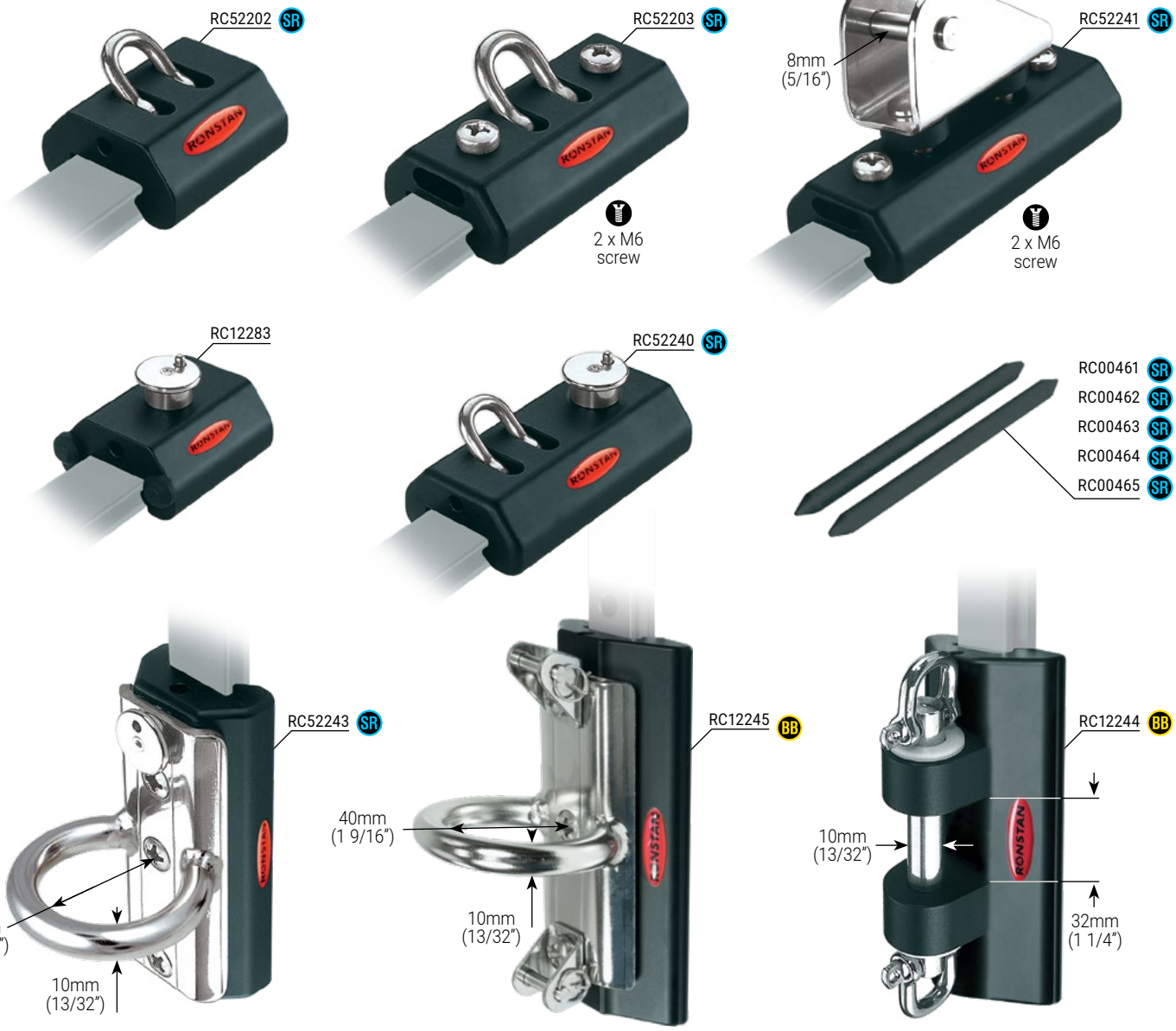
RC00411 AP

RC00412

- Ball bearing cars have twin rows of recirculating Torlon® ball bearings for smooth adjustment under load.
- RC52230 sliderod genoa car is a simple option for a sheet lead that does not require adjustment under load. Plunger stop can be locked in the "up" position.
- Control sheaves are 40mm (1 1/2") diameter and suit up to 6mm (1/4") rope.
- Genoa car sheaves are 60mm (2 3/8") diameter, and wide enough to accept two sheets for easy headsail changes.
- Alloy roller ball bearing sheave upgrade suits genoa cars with 60mm (2 3/8") sheaves.
- Extra purchase for lead adjustment systems can easily be added by fitting becket or block addition kits (supplied with mounting screws).
- Genoa sheet systems on boats to 11m (36ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings in cars.
- Acetal primary sheaves (genoa cars) and control sheaves.
- Alloy ball bearing sheave upgrade available.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC12231	Genoa car, single control sheave	165	58	990	2300	570	6 1/2	2 5/16	2180	5070	20.1
RF68000W	Aluminium roller bearing upgrade sheave, 60mm (2 3/8") diameter, suits RC12231, RC52230	-	32	1150	-	128	-	1 1/4	2540	-	4.5
SR Sliderod											
RC52230	Genoa car, sliderods, plunger stop	125	45	1205	2410	520	5	1 3/4	2660	5310	18.3
Accessories											
501001	Ball bearing, Torlon®, 6.35mm (1/4") diameter	-	-	-	-	1	-	-	-	-	0.1
RC00411	Control sheave addition kit, includes 2 x M6 screws, suits RC12231	65	40	240	900	47	2 9/16	1 9/16	530	1980	1.7
RC00412	Control becket, 8mm (5/16") eye, M6 screw, suits RC12231	-	-	-	-	6	-	-	-	-	0.2

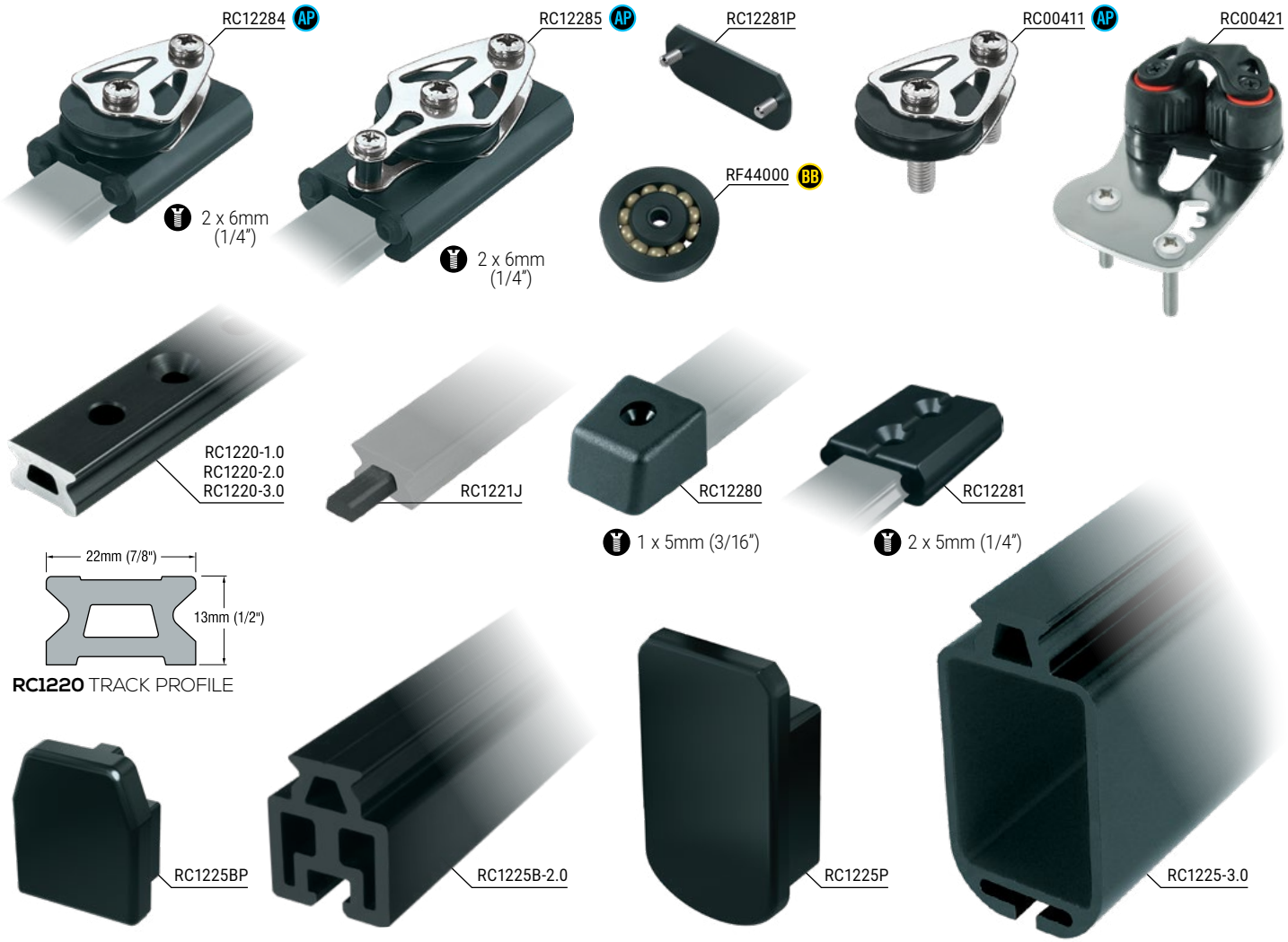
SERIES 22 BALL BEARING



- Sliderod cars with pivoting shackles suit a variety of applications where a secure, adjustable take-off point for a block or control line is required. Plunger stops can be locked in the "up" position.
- Sliderod spinnaker pole car suits poles set up for end-for-end gybes. Adjustment is by plunger stop.
- Adjustable stops can be fitted on track aft of genoa cars and used to relieve load on adjustment tackle.
- RC12244 spinnaker pole car suits piston style inboard end fittings with 32mm (1 1/4") toggle.
- Spinnaker pole systems on boats to 10m (33ft).
- Outhaul car for boats to 8m (26ft).

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC12244	Spinnaker pole car, suits 32mm (1 1/4") toggle, towing eyes	130	58.0	1350	2700	308	5 1/8	2 5/16	2980	5950	10.9
RC12245	Spinnaker pole car, ring, towing forks	118	58.0	800	1600	405	4 5/8	4 5/8	1760	3530	14.3
SR Sliderod											
RC00461	Sliderods, suits RC52202 (pair)	37	6.4	-	-	4	1 7/16	1/4	-	-	0.1
RC00462	Sliderods, suits RC52203, RC52240 (pair)	74	6.4	-	-	8	2 15/16	1/4	-	-	0.3
RC00463	Sliderods, suits RC52241 (pair)	104	6.4	-	-	11	4 1/8	1/4	-	-	0.4
RC00464	Sliderods, suits RC52243 (pair)	94	6.4	-	-	10	3 11/16	1/4	-	-	0.4
RC00465	Sliderods, suits RC52230 (pair)	114	6.4	-	-	12	4 1/2	1/4	-	-	0.4
RC12283	Adjustable stop	60	45	-	-	104	2 3/8	1 3/4	-	-	3.7
RC52202	Car, sliderods, pivoting shackle	48	45.0	600	1490	95	1 7/8	1 3/4	1320	3280	3.4
RC52203	Car, sliderods, pivoting shackle, internal control beckets	85	45.0	1000	2690	166	3 3/8	1 3/4	2200	5930	5.9
RC52240	Car, sliderods, pivoting shackle & plunger stop	85	45.0	975	1940	177	3 3/8	1 3/4	2150	4280	6.2
RC52241	Outhaul car, sliderods, 8mm (5/16") pin, internal control beckets	115	45.0	1205	2410	347	4 1/2	1 3/4	2660	5310	12.2
RC52243	Spinnaker pole car, sliderods, ring, plunger stop	105	45.0	1300	2500	410	4 1/8	1 3/4	2870	5510	14.5

SERIES 22 BALL BEARING



TRACK FASTENINGS – 6mm (1/4") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – 50mm (1 31/32") centres (RC1220 only)

- Control ends are used with mainsheet traveller and genoa sheeting systems to create purchase systems for easy adjustment of car position under load.
- Cleat kits include mounting screws and are easily fitted to control ends – supports can be adjusted to optimum cleating angle.
- Beam tracks can be used for unsupported spans to bridge cockpits and companionway hatches. They are supplied without fastener or stop holes. See page 130 for mechanical data.
- 40mm (1 9/16") diameter control end sheaves suit up to 6mm (1/4") rope.
- Control ends can be fitted with RC12281P to conceal track end.
- Standard low profile track has stop holes for cars fitted with plunger stops.
- Refer to page 131 for track bending.
- Mainsheet systems on boats to 10m (33ft).
- Genoa sheet systems on boats to 11m (36ft).
- RC1225-3.0: Grade AL6063-T6 aluminium alloy.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Accessories											
RC00411	Control sheave addition kit, suits RC12284, RC12285	65	40	240	900	47	2 9/16	1 9/16	530	1980	1.7
RC00421	Control end C-Cleat™ addition kit, suits RC12284, RC12285	-	-	-	-	207	-	-	-	-	7.3
RC1220-1.0*1	Track, black	996	22	-	-	460	39 3/16	7/8	-	-	16.2
RC1220-2.0*1	Track, black	1996	22	-	-	920	78 9/16	7/8	-	-	32.5
RC1220-3.0*1&2	Track, black	2996	22	-	-	1380	117 15/16	7/8	-	-	48.7
RC1221J	Track joiner	60	-	-	-	4	2 3/8	-	-	-	0.1
RC1225-3.0*1	Beam track, black. 45mmW x 85mmH (1 25/32"W x 3 11/32"H)	2996	85	-	-	6240	117 15/16	3 3/8	-	-	220.1
RC1225P	End plug for RC1225 beam track	-	45	-	-	4	-	1 3/4	-	-	0.1
RC1225B-2.0*1	Beam track, black. 37mmW x 44mmH (1 7/16"W x 1 3/4"H)	1996	37	-	-	4530	78 9/16	1 7/16	-	-	160.1
RC1225BP	End plug for RC1225B beam track	-	37	-	-	18	-	1 7/16	-	-	0.6
RC12280	End cap, plastic	30	26	-	-	6	1 3/16	1	-	-	0.2
RC12281*1	Track end stop, aluminium alloy	50	45	-	-	50	1 31/32	1 25/32	-	-	1.8
RC12281P	Cover plate for control end	-	45	-	-	5	-	1 3/4	-	-	0.2
RC12284	Control end, single sheave	83	45	240	900	140	3 9/32	1 3/4	530	1980	4.9
RC12285	Control end, single sheave & becket	103	45	320	900	168	4 1/16	1 3/4	710	1980	5.9
RF44000	Aluminium alloy control sheave, 40mm (1 1/2") diameter	-	-	-	-	16	-	-	-	-	0.6

*1 Silver track available - Order as RCxxxxxS
*2 Longer track available on request

SERIES 26 BALL BEARING

© Italia Yachts

RF78000W BB

RF54000 BB

10mm (3/8")

RC12605 BB

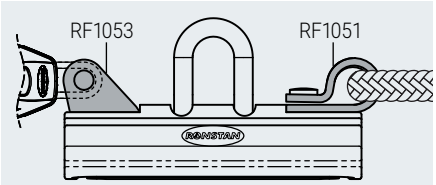
RC12617 BB

501010

- RC12617 with pivoting sheave unit is a compact and low profile solution for 2:1 mainsheet systems. Suits up to 6:1 control line purchase. Pivoting of the main sheave unit is limited to 4° aft and 45° forward.
- 50mm (2") diameter control line sheaves suit up to 8mm (5/16") rope.
- The fully machined RC12605 Orbit Car provides the ultimate in lightweight and flexibility. Blocks may be attached with a Dyneema® link or lashing. Multiple cars can be linked together for higher working load or to suit curved tracks.
- Mainsheet systems on boats to 12m (40ft).
- Self-tacking jib sheet systems on boats to 10m (33ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings in cars.
- Alloy ball bearing sheave upgrade available (RC12617).
- Grade 316 stainless steel fixtures (RC12617).

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC12605	Orbit Car, integrated lashing eye	108	69	850	1700	18	4 1/4	2 3/4	1870	3740	0.6
RC12617	Car, 1 x 75mm (3") diameter sheave, triple 50mm (2") diameter control sheaves, C-Cleats™	210	70	1700	3400	2280	8 1/4	2 3/4	3750	7500	80.4
Accessories											
501010	Ball bearing, Torlon®, 8.00mm (5/16") diameter	-	-	-	-	1	-	-	-	-	0.1
RF54000	Aluminium ball bearing control sheave, 50mm (2") diameter, suits RC12613, RC12631, RC12623, RC12617	-	-	-	-	32	-	-	-	-	1.1
RF78000W	Aluminium roller ball bearing sheave, 75mm (3") diameter, suits RC12617	-	-	-	-	280	-	-	-	-	9.9

SERIES 26 BALL BEARING



TYPICAL ADD-ON BECKET ARRANGEMENTS

- Ball bearing cars have twin rows of recirculating Torlon® ball bearings for smooth, precise adjustment under load.
- 40mm (1 9/16") diameter control sheaves suit up to 6mm (1/4") rope.
- RC12631 genoa car sheave is 60mm (2 3/8") diameter and can accept two sheets for easy headsail changes.
- Individual cleat supports on mainsheet car can be adjusted to optimum cleating angle.
- Ball bearing sheaves available for enhanced performance.
- RF324-2 provides support for Series 60 Orbit Block™ on mainsheet cars RC12603, RC12613, RC12623.
- Mainsheet systems on boats to 12m (40ft).
- Genoa sheet systems on boats to 13m (43ft).
- Self-tacking jib sheet systems on boats to 10m (33ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings in cars.
- Acetal sheaves.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC12603	Car, pivoting shackle, 2 mounting screws	120	69	690	1380	331	4 3/4	2 3/4	1520	3040	11.7
RC12613	Car, pivoting shackle, double control sheaves	200	69	1700	3400	740	7 7/8	2 3/4	3750	7500	26.1
RC12623	Car, pivoting shackle, double control sheaves, adjustable C-Cleats™	205	69	1700	3400	1042	8 1/16	2 3/4	3750	7500	36.8
RC12631	Genoa car, single control sheave	180	69	1400	2800	582	7 1/16	2 3/4	3090	6170	20.5
Accessories											
RF324-2	Stand-up spring kit, suits RC12603, RC12613, RC12623	-	-	-	-	60	-	-	-	-	2.1
RF1051	Control becket, 8mm (5/16") eye, suits RC12603 & RC12631	-	-	-	-	6	-	-	-	-	0.2
RF1053	Control becket fork, 5mm (3/16") pin, suits RC12603 & RC12631	-	14	-	-	9	-	9/16	-	-	0.3
RF68000W	Aluminium roller ball bearing sheave, 60mm (2 3/8") diameter, suits RC12631	-	33	1150	-	128	-	1 1/4	2540	-	4.5

SERIES 26 BALL BEARING

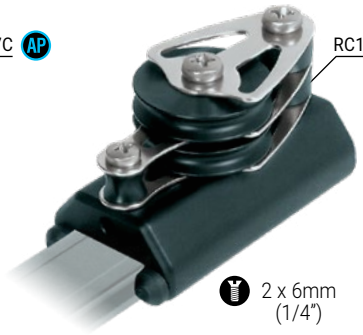
RC12685 AP
2 x 6mm (1/4")

RC12686 AP
2 x 6mm (1/4")

RC12683

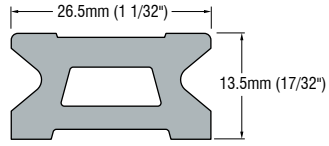
RC12681
2 x 6mm (1/4")

RC12687C AP
2 x 6mm (1/4")


RC12687 AP
2 x 6mm (1/4")

RC12681P

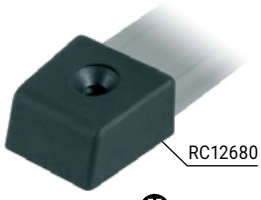
RF44000 BB



RC1260 TRACK PROFILE

RC1260-1.0
RC1260-2.0
RC1260-3.0

RC1261J


RC12680
1 x 6mm (1/4")

TRACK FASTENINGS – 6mm (1/4") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – 50mm (1 31/32") centres

- Control ends are used with mainsheet traveller and genoa sheeting systems to create purchase systems for easy adjustment of car position under load.
- Control ends can be fitted with RC12681P to conceal track end.
- Refer to page 131 for track bending.
- Alloy track and end caps.
- Torlon® ball bearings in cars.
- Acetal sheaves.
- Alloy ball bearing sheave upgrade available.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Accessories											
RC1260-1.0*1	Track, black	996	26	-	-	600	39 3/16	1 1/16	-	-	21.2
RC1260-2.0*1	Track, black	1996	26	-	-	1200	78 9/16	1 1/16	-	-	42.3
RC1260-3.0*1&2	Track, black	2996	26	-	-	1800	117 15/16	1 1/16	-	-	63.5
RC1261J	Track joiner	60	-	-	-	5	2 3/8	-	-	-	0.2
RC12680	End cap, plastic	34	32	-	-	7	1 5/16	1 1/4	-	-	0.2
RC12681	End stop, aluminium	55	45	-	-	73	2 5/32	1 25/32	-	-	2.6
RC12681P	Cover plate for control end & track, including screws	-	45	-	-	7	-	1 3/4	-	-	0.2
RC12683	Adjustable stop	55	64	-	-	120	2 5/32	2 3/4	-	-	4.2
RC12685	Control end, single sheave & becket	95	45	320	900	211	3 3/4	1 25/32	710	1980	7.4
RC12686	Control end, double sheaves	95	45	450	900	198	3 3/4	1 25/32	990	1980	7.0
RC12687	Control end, double sheaves & becket	95	45	450	900	258	3 3/4	1 25/32	990	1980	9.1
RC12687C	Control end, double sheaves & becket, C-Cleat™	95	45	450	900	405	3 3/4	1 25/32	990	1980	14.3
RF44000	Aluminium ball bearing control sheave, 40mm (1 1/2") diameter	-	-	-	-	16	-	-	-	-	0.6

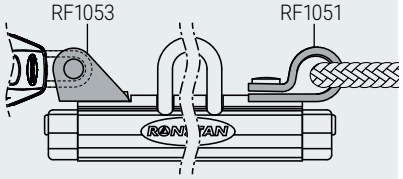
*1 Silver track available - Order as RCxxxxxxS
*2 Longer track available on request.

RONSTAN

SERIES 30 BALL BEARING

- RC13017 with pivoting sheave unit is a compact and low profile solution for 2:1 mainsheet systems. Pivoting of the main sheave unit is limited to 4° aft and 45° forward.
- 50mm (2") diameter control line sheaves suit up to 8mm (5/16") rope.
- Stand-up spring kit RF324 provides support for a Series 60 or 75 Orbit Block™ on mainsheet car RC13018A.
- Mainsheet systems on boats to 18m (60ft).
- Self-tacking jib sheet systems on boats to 11m (36ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings in cars.
- Alloy ball bearing sheave upgrade available.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC13005	Orbit Car, integrated lashing eye	120	77	1000	2000	300	4 3/4	3 1/16	2200	4400	10.6
RC13017	Car, 1 x 75mm (3") diameter sheave, triple 50mm (2") diameter control sheaves, C-Cleats™	210	77	1900	3800	2330	8 1/4	3 1/16	4180	8360	82.2
RC13018A	Car, 2 x padeye for main block attachment, double 50mm (2") diameter control sheaves	332	77	2700	5400	1585	13 1/16	3 1/16	5950	11900	55.9
Accessories											
RF324	Stand-up spring suits Series 60 & 75 single Orbit Blocks™ and Core Blocks™	-	-	-	-	80	-	-	-	-	2.8
RF54000	Aluminium ball bearing control sheave, 50mm (2") diameter, suits RC12613, RC12631, RC12623, RC13017	-	-	-	-	32	-	-	-	-	1.1
RF78000W	Aluminium roller ball bearing sheave, 75mm (3") diameter, suits RC13017	-	-	-	-	280	-	-	-	-	9.9



TYPICAL ADD-ON BECKET ARRANGEMENTS

- Low profile, lightweight alloy cars and end caps.
- RC13023 individual cleat supports can be adjusted to optimum cleating angle.
- Control line sheaves are 50mm (2") diameter and suit up to 8mm (5/16") rope.
- Twin rows of recirculating Torlon® ball bearings provide smooth, low friction performance for easy adjustment under load.
- Loop and fork style fittings suit becket or control line blocks to add extra purchase to control line systems.
- Stand-up spring kit RF324-2 provides support for a Series 60 or Series 75 single Orbit Block™ on mainsheet cars RC13003, RC13004, RC13012, RC13013, RC13023.

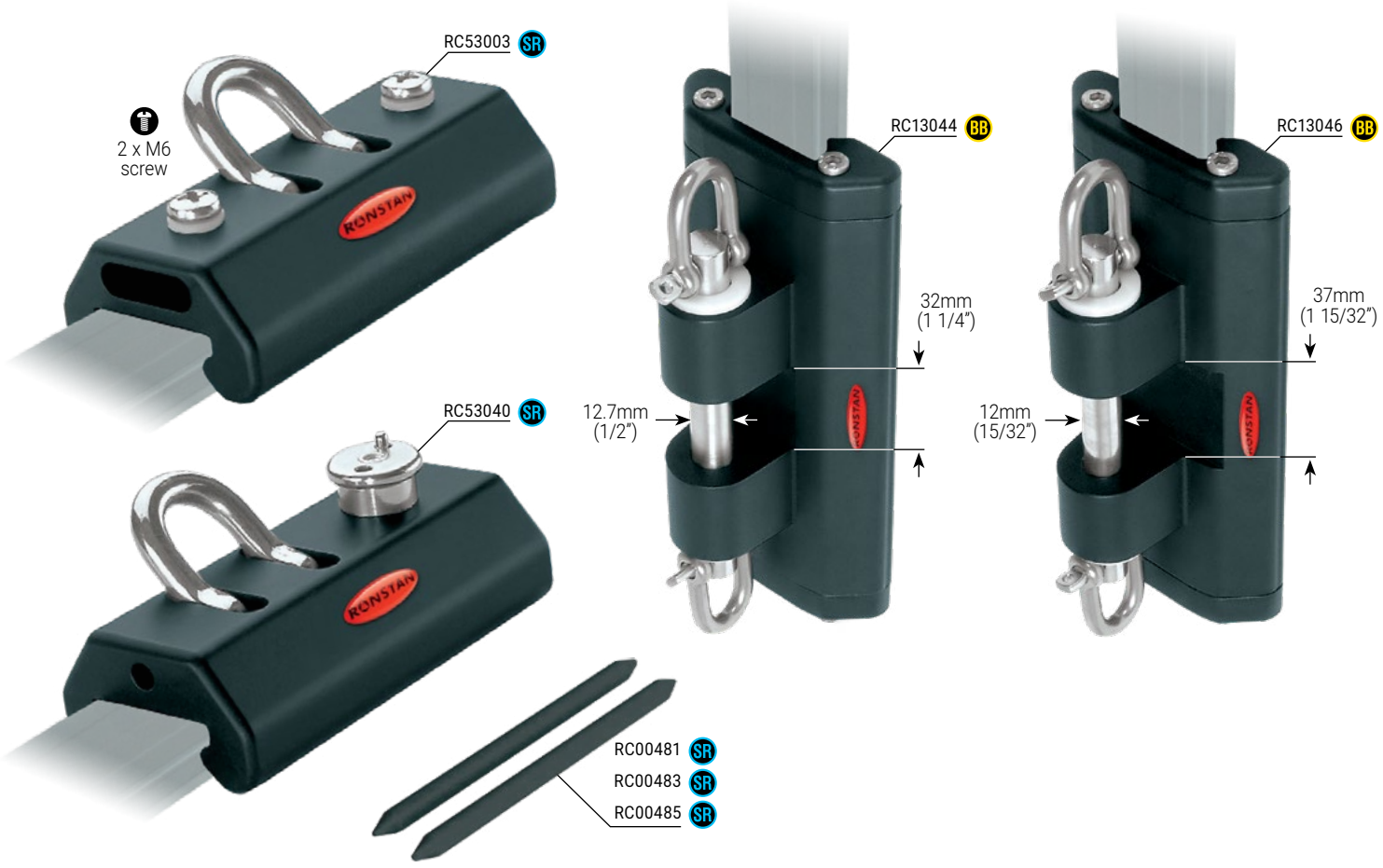
PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC13003	Car, pivoting shackle top, 2 mounting screws	100	77	860	2800	350	3 15/16	3 1/16	1900	6170	12.3
RC13004	Car, pivoting shackle top, 2 mounting screws	150	77	1650	3300	525	5 7/8	3 1/16	3640	7280	18.5
RC13012	Car, pivoting shackle top, single control sheaves	225	77	2200	4400	915	8 7/8	3 1/16	4840	9680	32.3
RC13013	Car, pivoting shackle top, double control sheaves	225	77	2200	4400	1070	8 7/8	3 1/16	4840	9680	37.7
RC13023	Car, pivoting shackle top, double control sheaves, adjustable C-Cleats™	225	77	2200	4400	1500	8 7/8	3 1/16	4840	9680	52.9
Accessories											
501003	Ball bearing, Torlon®, 7.95mm (5/16") diameter	-	-	-	-	1	-	-	-	-	0.1
RF324-2	Stand-up spring kit, suits RC13004, RC13012, RC13013, RC13023	-	-	-	-	60	-	-	-	-	2.1
RF1051	Control becket, 8mm (5/16") eye, suits RC13003 & RC13004	-	-	-	-	6	-	-	-	-	0.2
RF1053	Control becket fork, 5mm (3/16") pin, suits RC13003 & RC13004	-	14	-	-	9	-	9/16	-	-	0.3
RF74142	Series 75 Core Block™ stand-up kit, accepts up to 14mm (9/16") rope. Suits RC13004.	-	-	1500	3000	434	-	-	3300	6600	15.3

SERIES 30 BALL BEARING

- Ball bearing cars have twin rows of recirculating Torlon® ball bearings for smooth adjustment under load.
- Genoa cars pivot to 45° from vertical for optimum alignment with sheet load.
- Genoa car sheaves are 75mm (3") diameter and accept two sheets for easy headsail changes.
- Alloy ball bearing sheaves available for enhanced performance.
- Cars with control sheaves can be matched with track control ends to create compact, low friction purchase systems for adjustment under load.
- Control line sheaves are 50mm (2") diameter and suit up to 8mm (5/16") rope.
- RC53030 sliderod car is a simple option for a sheet lead that does not require adjustment under load. Plunger stop can be locked in the "up" position.
- Genoa sheet systems on boats to 17m (56ft).
- Alloy track, cars and control ends.
- Torlon® ball bearings in cars.
- Acetal sliderods.
- Acetal sheaves.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC13031	Genoa car, single control sheave	200	77.0	1800	3200	1130	7 7/8	3 1/16	3970	7050	39.9
RC13033	Genoa car, double control sheaves	200	77.0	1800	3200	1227	7 7/8	3 1/16	3970	7050	43.3
SR Sliderod											
RC53030	Genoa car, sliderods, plunger stop	160	55.0	1700	3400	848	6 5/16	2 3/16	3750	7500	29.9
Accessories											
RF54000	Aluminium ball bearing control sheave, 50mm (2") diameter, suits RC13031, RC13033	-	-	-	-	32	-	-	-	-	1.1
RF78000W	Aluminium roller ball bearing sheave, 75mm (3") diameter, suits RC13033	-	-	-	-	280	-	-	-	-	9.9

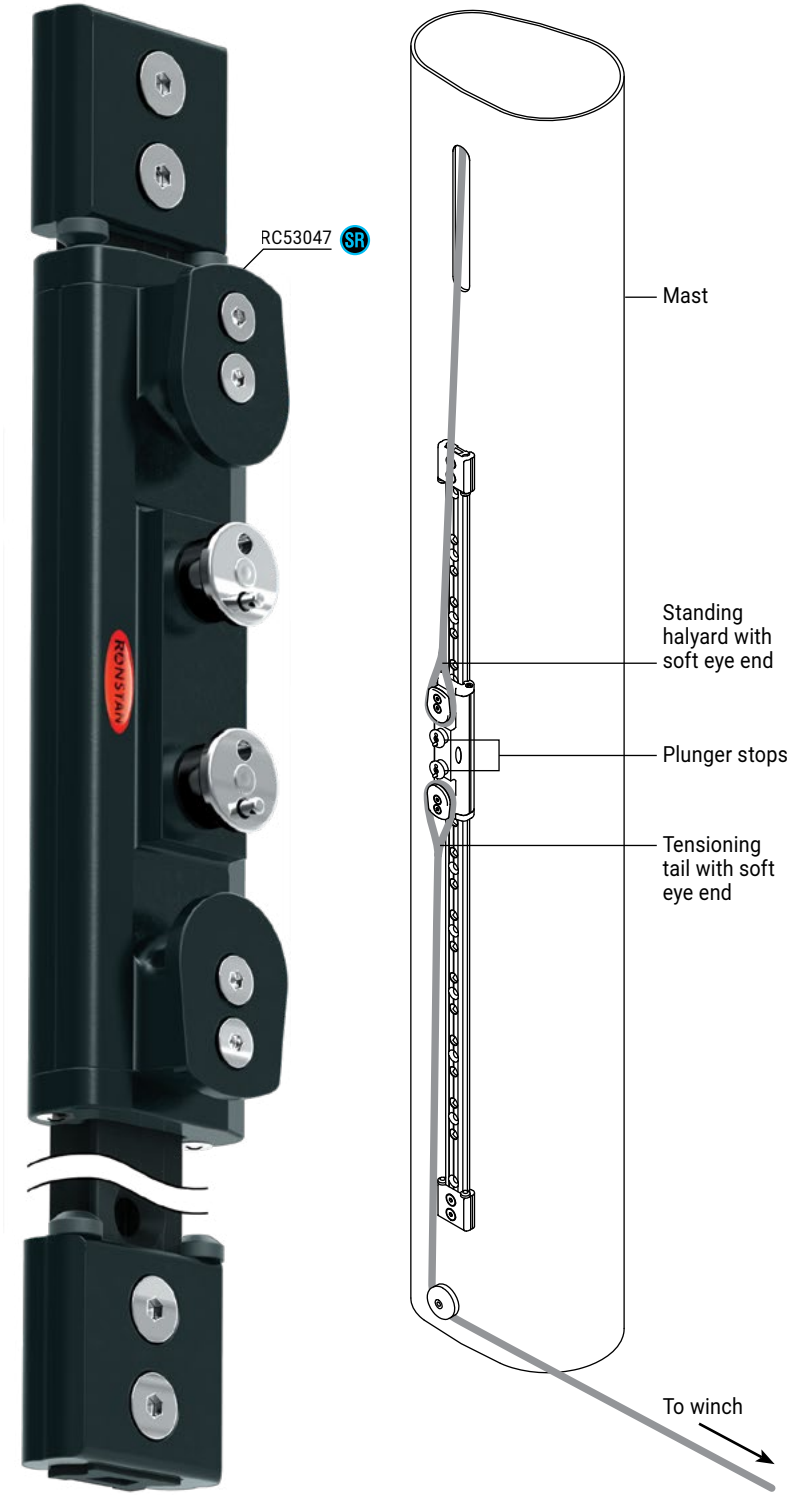
SERIES 30 BALL BEARING



- Sliderod cars with pivoting shackle suit a variety of applications where a secure, adjustable take-off point for a block or control line is required.
- Plunger stop can be locked in the "up" position.
- Ball bearing spinnaker pole cars for boats to 15m (50ft) suit a variety of inboard end fittings.
- Alloy track, cars and control ends.
- Torlon® ball bearings.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC13044	Spinnaker pole car, suits 32mm (1 1/4") toggle	175	77	1800	3600	720	6 7/8	3 1/16	3970	7940	25.4
RC13046	Spinnaker pole car, suits 37mm (1 15/32") toggle	175	77	1800	3600	695	6 7/8	3 1/16	3970	7940	24.5
SR Sliderod											
RC00481	Sliderods, suits RC13083 (pair)	53	8	-	-	8	2 1/16	5/16	-	-	0.3
RC00483	Sliderods, suits RC53003, RC53040 (pair)	98	8	-	-	16	3 7/8	5/16	-	-	0.6
RC00485	Sliderods, suits RC53030 (pair)	149	8	-	-	24	5 7/8	5/16	-	-	0.8
RC53003	Car, sliderods, pivoting shackle, internal control beckets	110	55	1325	2650	310	4 5/16	2 3/16	2920	5840	10.9
RC53040	Car, sliderods, pivoting shackle & plunger stop	110	55	1325	2650	355	4 5/16	2 3/16	2920	5840	12.5

SERIES 30 BALL BEARING



HALYARD TAIL SYSTEM
TYPICAL SETUP

For use with furling sails that are rarely lowered.

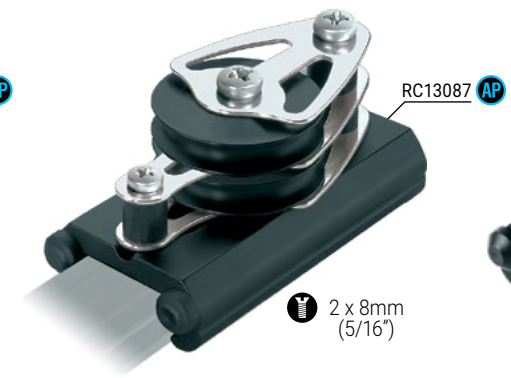
1. Car locked in position near the top of the track.
2. Sail hoisted until soft eye in end of standing halyard exits mast and can be placed over the upper attachment lug on the car.
3. Soft eye of tensioning halyard tail is placed over lower attachment lug on car.
4. When load is taken up by tensioning halyard tail, plunger stops are lifted and locked in the "up" (disengaged position).
5. Once desired halyard tension is achieved, plunger stops are released to engage with stop holes in the track.
6. When load has been transferred to the locked car, the tensioning halyard tail may be removed.

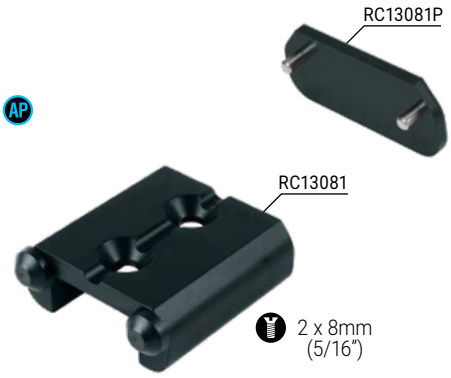
Note: 2:1 halyard may be used to reduce load for use on larger yachts.

TRACK FASTENINGS – 8mm (5/16") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – Oversize at 50mm (1 31/32") centres

- System includes sliderod car, special 1231mm (48 15/32") Series 30 track and two low profile end stops.
- Car has 2 attachment lugs for the soft eye end of the halyard and tensioning tail.
- Car has dual oversize plunger stops that can be locked in the "up" position.
- The special track has oversize plunger stop holes at 50mm (1 31/32") spacing for the associated high loads, and is drilled and tapped to accept the low profile end stops.
- Suitable for boats to 16m (53ft) with 1:1 halyard purchase.
- Alloy track, car and end stops.
- Acetal sliderods.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
SR Sliderod											
RC53047	Halyard tail system. Sliderod car, includes 2 x plunger stop and 2 x attachment lugs, 1231mm (48 15/32") special track, 2 x low profile end stops	210	575	2300	4600	1940	8 1/4	2 15/16	5060	10120	68.4





- Traveller control ends are suited for mainsheet systems on boats to 17m (56ft).
- Control line sheaves are 50mm (2") diameter and suit up to 8mm (5/16") rope.
- Cleat addition kits are adjustable for optimum cleating angle.
- Control ends can also be used to create purchase systems for genoa lead adjustment under load.
- Adjustable stops can be fitted on track aft of genoa cars and used to relieve load on adjustment tackle.
- Control ends can be fitted with RC13081P cover plate to control track end.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
Accessories											
RC00424	Control end C-Cleat™ addition kit, suits RC13084, RC13085, RC13086, RC13087	-	-	-	-	215	-	-	-	-	7.6
RC13081	End stop, aluminium	58	55	-	-	89	2 9/32	2 3/16	-	-	3.1
RC13081P	Cover plate for control end, including screws	-	55	-	-	16	-	2 3/16	-	-	0.6
RC13083	Adjustable stop	77	55	-	-	190	3	2 3/16	-	-	6.7
RC13084	Control end, single sheave	115	55	450	1350	250	4 1/2	2 3/16	990	2980	8.8
RC13085	Control end, single sheave & becket	115	55	675	1350	315	4 1/2	2 3/16	1490	2980	11.1
RC13086	Control end, double sheaves	115	55	675	1350	315	4 1/2	2 3/16	1490	2980	11.1
RC13087	Control end, double sheaves & becket	115	55	675	1350	580	4 1/2	2 3/16	1490	2980	20.5
RF54000	Aluminium ball bearing control sheave, 50mm (2") diameter, suits RC13084, RC13085, RC13086, RC13087	-	-	-	-	32	-	-	-	-	1.1

TRAVELLER SYSTEMS

SERIES 30 BALL BEARING

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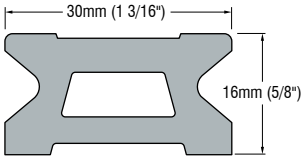
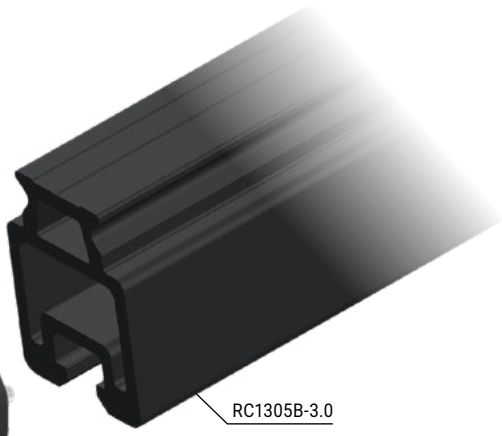
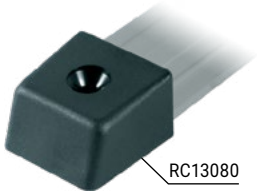


RC1300 TRACK PROFILE





1 x 6mm (1/4")

TRACK FASTENINGS – 8mm (5/16") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – 50mm (1 31/32") centres

- Beam track can be used for unsupported spans to bridge cockpits and companionway hatches. They are supplied without fastener or stop holes. See page 130 for mechanical data.
- Standard low profile track has stop holes for cars fitted with plunger stops.
- Refer to page 131 for track bending.
- Mainsheet and genoa sheet systems on boats to 17m (56ft).
- Alloy track.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	WEIGHT g	LENGTH mm	WIDTH mm	WEIGHT oz
Accessories							
RC1300-1.0*1	Track, black	996	30	810	39 3/16	1 3/16	28.6
RC1300-2.0*1	Track, black	1996	30	1620	78 9/16	1 3/16	57.1
RC1300-3.0*1&2	Track, black	2996	30	2430	117 15/16	1 3/16	85.7
RC1301J	Track joiner	60	-	7	2 3/8	-	0.2
RC1305B-3.0*1	Beam track, black. 42mmW x 58mmH (1 21/32"W x 2 9/32"H)	2996	42	8490	117 15/16	1 21/32	299.4
RC1305BP	Cover plate for control end including screws, suits RC1305B beam track	-	76	42	-	3	1.5
RC13080	End cap, plastic	37	37	27	1 7/16	1 7/16	1.0

*1 Silver track available - Order as RCxxxxxxS
*2 Longer track available on request.

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SERIES 42 BALL BEARING

© Contest Yachts

- Low profile, lightweight alloy cars and end caps.
- Twin rows of recirculating Torlon® ball bearings provide smooth, low friction performance for easy adjustment under load.
- RC14205 Orbit Car has an integral attachment point for lashings.
- RC14214 suits use with RF109100 Series 100 Orbit Block™ for a 2:1 mainsheet system 60mm (2 3/8") diameter roller ball bearing control sheaves suit up to 14mm (9/16") rope.
- RC14215 accepts two RF79100 Orbit Blocks™ or similar. 50mm (2") diameter control sheaves suit up to 8mm (5/16") diameter line.
- Stand-up spring kit RF324 provides support for a Series 60 or Series 75 Orbit Block™ on mainsheet.
- Mainsheet systems on boats to 25m (82ft).
- Self-tacking jib systems on boats to 20m (65ft).
- Multihull mainsheet systems on boats to 19m (62ft).
- Torlon® ball bearings (cars).
- Torlon® rollers (RC14218A sheaves).
- Alloy (RC14214) or acetal (RC14215) control sheave.
- Acetal ball bearings (RC14214 sheaves).
- Alloy (RC14214) or stainless steel (RC14215) cheeks.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC14205	Orbit Car, integrated lashing eye	145	96	2200	4400	531	5 3/4	3 13/16	4840	9680	18.7
RC14214	Car, single block take-off, single 60mm (2 3/8") roller ball bearing control sheaves	270	96	3000	6000	1820	10 5/8	3 13/16	6610	13230	64.2
RC14215	Car, 2 x block take-offs, double 50mm (2") control sheaves	340	96	4500	9000	2225	13 3/8	3 13/16	9900	19800	78.5
Accessories											
RF324	Stand-up spring, suits Series 60 & 75 single Orbit Blocks™ and Core Blocks™	-	-	-	-	80	-	-	-	-	2.8
RF54000	Aluminium ball bearing control sheave, 50mm (2") diameter, suits RC14215	-	-	-	-	32	-	-	-	-	1.1

SERIES 42 BALL BEARING

- Twin rows of recirculating Torlon® ball bearings provide smooth, low friction performance for easy adjustment under load.
- RC14215A tandem car runs on straight or curved track (in a horizontal plane). It has a pivoting bridge plate assembly with take-off points for lashing of mainsheet blocks and control line blocks.
- RC14218A with pivoting mainsheet sheave unit is a premium compact and low profile solution for a 2:1 mainsheet system. The central roller maintains sheet alignment and low friction when reaching with sheet eased and traveller car to leeward.
- Mainsheet systems on boats to 24m (78ft).
- Self-tacking jib systems on boats to 20m (65ft).
- Multihull mainsheet systems on boats to 19m (62ft).
- Torlon® ball bearings (cars) and rollers (sheaves).
- Alloy cheeks and sheaves.
- Acetal ball bearings (sheaves).
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC14215A	Tandem car, pivoting bridge plate with take-off points for mainsheet and control line blocks	485	96	6700	13400	4800	19 1/8	3 13/16	14740	29480	169.3
RC14218A	Car, stirrup with 2 x 125mm (5") Orbit sheaves, single 75mm (3") Orbit control line sheaves	435	96	5000	10000	7200	17 1/8	3 13/16	11000	22000	253.9
Accessories											
501004	Ball bearing, Torlon®, 9.53mm (3/8") diameter	-	-	-	-	1	-	-	-	-	0.1

SERIES 42 BALL BEARING

- Low profile, lightweight alloy cars and end caps.
- High performance roller ball bearing sheaves can accept two sheets for easy headsail changes.
- Highly polished stainless steel stirrups and lead block connectors pivot 45° from vertical for optimum alignment with sheet loads.
- Plunger stops can be locked in the "up" position.
- RC54230 and RC54230A sliderod, plunger stop cars are a simple solution for applications where adjustment under load is not required. They can be easily fitted and removed from tracks.
- RC14231A and RC14231B genoa cars have a towing lug and twin rows of recirculating Torlon® ball bearings for easy adjustment under load. Custom variants are available with an additional lug aft for towing cars in series.
- Genoa sheet systems on boats to 25m (82ft).
- Alloy car bodies, end caps and sheaves.
- Torlon® ball bearings (cars) and rollers (sheaves).
- Acetal ball bearings (sheaves).
- Grade 316 stainless steel stirrups, cheeks & fixtures.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RC14231A	Genoa car, towing lug	100	300	96	3500	7000	2950	4	11 3/4	3 25/32	7700	15400	104.0
RC14231B	Genoa car, towing lug	125	300	96	5000	10000	3450	5	11 3/4	3 25/32	11000	22000	121.7
SR Sliderod													
RC54230	Genoa car, sliderods, plunger stop	100	230	75	3500	7000	2300	4	9	2 15/16	7700	15400	81.3
RC54230A	Genoa car, sliderods, plunger stop	125	230	75	5000	10000	2790	5	9	2 15/16	11000	22000	98.6

SERIES 42 BALL BEARING

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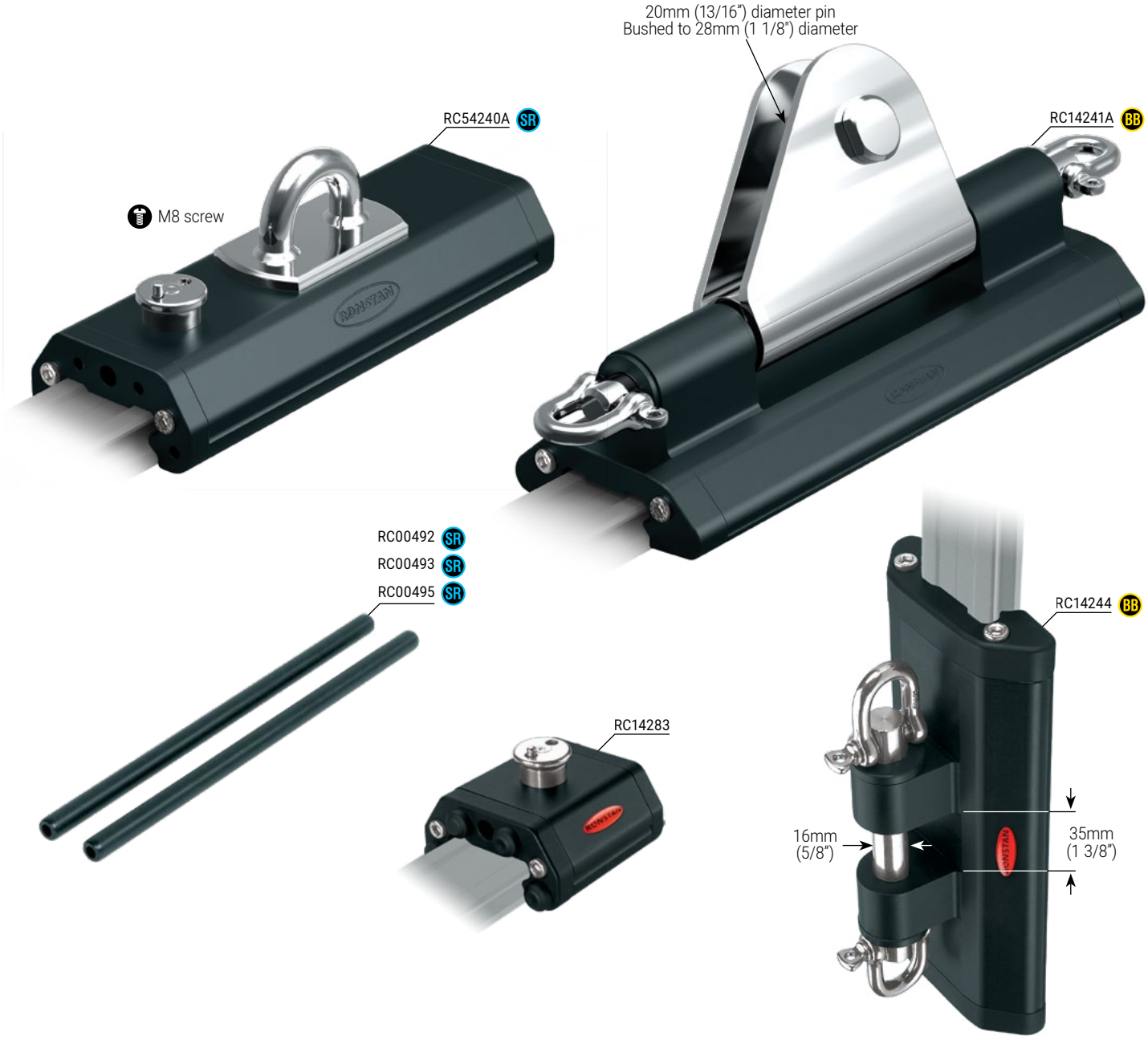
- Low profile, lightweight alloy cars and end caps.
- Highly polished stainless steel block assemblies pivot 45° from vertical for optimum alignment with sheet loads.
- Genoa cars have a towing lug and twin rows of recirculating Torlon® ball bearings for easy adjustment under load. Custom variants are available with an additional lug aft for towing cars in series.
- Genoa sheet systems on boats to 25m (82ft).
- Alloy car bodies, end caps and sheaves.
- Torlon® ball bearings.
- Grade 316 stainless steel stirrups, cheeks & fixtures.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RC14236	Genoa car, towing lug, stainless steel block	100	280	96	4000	8000	3680	4	11	3 25/32	8800	17600	129.8
RC14236A	Genoa car, towing lug, stainless steel block	125	280	96	5500	11000	4600	5	11	3 25/32	12100	24200	162.2
Accessories													
501004	Ball bearing, Torlon®, 9.53mm (3/8") diameter	-	-	-	-	-	1	-	-	-	-	-	0.1

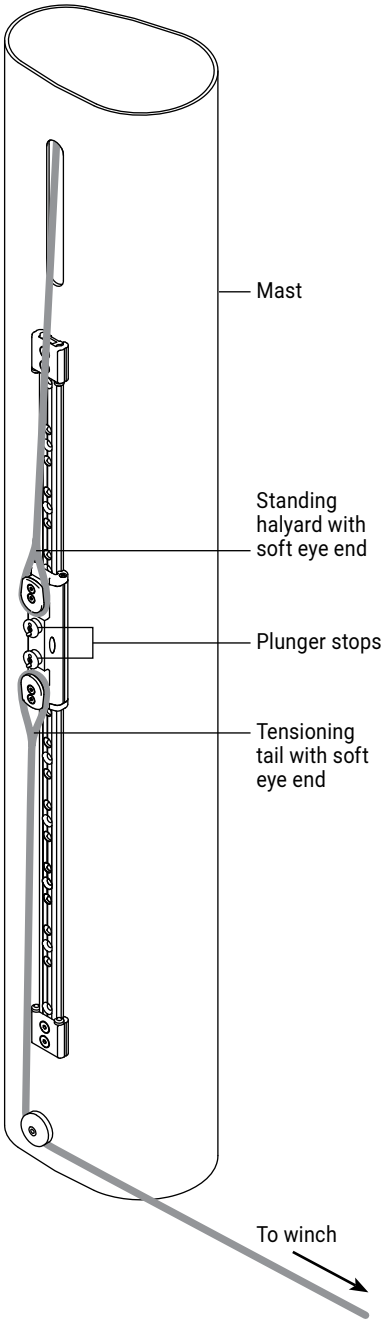
SERIES 42 BALL BEARING



- Adjustable stops can be fitted on track aft of genoa cars and used to relieve load on adjustment tackle.
- Sliderod car with padeye suits a variety of applications where a secure, adjustable take-off point for a block or control line is required.
- Plunger stops can be locked in the "up" position.
- Outhaul car suitable for boats to 24m (78ft) with conventional reefing or in-mast furling systems.
- Ball bearing spinnaker pole car for boats to 24m (78ft) suits inboard end fittings with 35mm (1 3/8") toggle.
- Alloy car bodies and end caps.
- Torlon® ball bearings.
- Acetal sliderods.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC14244	Spinnaker pole car, suits toggle	230	96.0	3700	7400	1370	9	3 13/16	8160	16310	48.3
RC14241A	Outhaul car, 20mm (13/16") clew pin	280	75.0	4500	9000	3250	11	2 15/16	9900	19800	114.6
SR Sliderod											
RC00492	Sliderods, suit RC54230, RC54230A (pair)	196	9.4	-	-	43	7 3/4	3/8	-	-	1.5
RC00493	Sliderods, suit RC14283 (pair)	53	9.4	-	-	12	2 1/16	3/8	-	-	0.4
RC00495	Sliderods, suit RC54240A (pair)	173	9.4	-	-	38	6 13/16	3/8	-	-	1.3
RC14283	Adjustable stop	85	75.0	-	-	390	3 3/8	2 15/16	-	-	13.8
RC54240A	Car, sliderods, padeye top & plunger stop	205	75.0	3500	7000	1100	8	2 15/16	7720	15430	38.8

SERIES 42 BALL BEARING



HALYARD TAIL SYSTEM
TYPICAL SETUP

For use with furling sails that are rarely lowered.

1. Car locked in position near the top of the track.
2. Sail hoisted until soft eye in end of standing halyard exits mast and can be placed over the upper attachment lug on the car.
3. Soft eye of tensioning halyard tail is placed over lower attachment lug on car.
4. When load is taken up by tensioning halyard tail, plunger stops are lifted and locked in the "up" (disengaged position).
5. Once desired halyard tension is achieved, plunger stops are released to engage with stop holes in the track.
6. When load has been transferred to the locked car, the tensioning halyard tail may be removed.

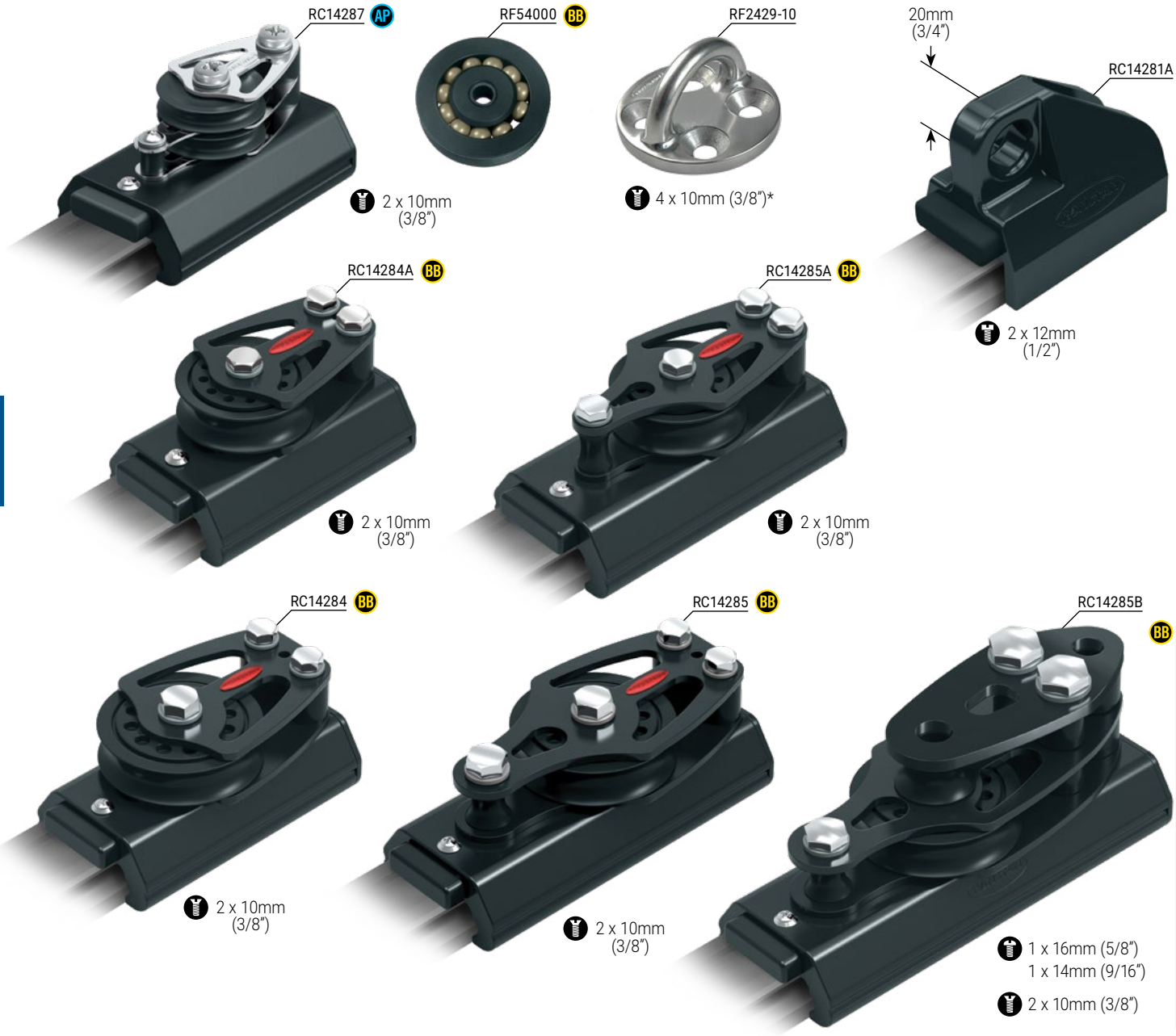
Note: 2:1 halyard may be used to reduce load for use on larger yachts.

TRACK FASTENINGS – 10mm (3/8") countersunk fasteners at 100mm (3 15/16") centres
STOP HOLES – Oversized at 50mm (1 31/32") centres

- System includes sliderod car, special 1560mm (61 13/32") Series 42 track and two low profile end stops.
- The special track has oversize plunger stop holes at 50mm (1 31/32" spacing) for the associated high loads, and is drilled and tapped to accept the low profile end stops.
- Car has 2 attachment lugs for the soft loop end of the halyard and tensioning tail.
- Car has dual oversize plunger stops that can be locked in the "up" position.
- Suitable for boats to 25m (82ft) with 1:1 halyard purchase.
- Alloy track, car and end stops.
- Acetal sliderods.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
SR Sliderod											
RC54247	Halyard tail system. Sliderod car, includes 2 x plunger stops and 2 x attachment lugs, 1560mm (61 13/32") special track, 2 x low profile end stops	280	75	4000	8000	4300	11	2 15/16	8800	17600	151.7

SERIES 42 BALL BEARING



- Traveller control ends include a cover plate to conceal track end.
- RC14287 has 50mm (2") diameter sheaves which suit up to 8mm (5/16") rope.
- RC14284A and RC14285A have a 60mm (2 3/8") diameter roller ball bearing sheave which suits up to 14mm (9/16") rope.
- RC14284 and RC14285 have a 75mm (3") diameter roller ball bearing sheave which suits up to 14mm (9/16") rope.
- RC14285B has 75mm (3") diameter roller ball bearing sheave which suits up to 14mm (9/16") rope. It also has an upper becket to dead end a mainsheet up to 20mm (3/4") diameter.
- Padeyes are typically used for termination of 2:1 control line systems on deck.
- Mainsheet systems on boats to 24m (78ft).
- Genoa sheet systems on boats to 25m (82ft).
- Self-tacking jib systems on boats to 20m (65ft).
- Multihull mainsheet systems on boats to 19m (62ft).

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RF2429-10	Control line padeye (see page 209 for further details)	72	72	-	9000*	240	2 3/4	2 3/4	-	19800*	8.5
RF54000	Aluminium ball bearing control sheave, 50mm (2") diameter, suits RC14287	-	-	-	-	32	-	-	-	-	1.1
RC14281A	End stop, aluminium, with mainsheet take-off point, end cover plate	98	55	2000	4000	360	3 7/8	2 3/16	4400	8800	12.7
RC14284	Control end, 75mm (3") diameter sheave, end cover plate	135	75	1750	3500	932	5 5/16	2 15/16	3850	7700	32.9
RC14284A	Control end, 60mm (2 3/8") diameter sheave, end cover plate	126	75	1500	3000	680	5	2 15/16	3300	6600	24.0
RC14285	Control end, 75mm (3") diameter sheave & becket, end cover plate	170	75	1750	3500	1138	6 3/4	2 15/16	3850	7700	40.1
RC14285A	Control end, 60mm (2 3/8") diameter sheave & becket, end cover plate	154	75	1500	3000	910	7 1/4	2 15/16	3300	6600	32.1
RC14285B	Control end, 75mm (3") diameter sheave & becket, mainsheet dead end attachment point, end cover plate	217	75	3000	6000	1400	8 9/16	2 15/16	6600	13200	49.4
RC14287	Control end, 50mm (2") diameter double sheaves & becket, end cover plate	138	75	675	1350	800	5 3/8	2 15/16	1485	2970	28.2

* A4-80 DIN7991 grade fasteners recommended to achieve BL

SERIES 42 BALL BEARING

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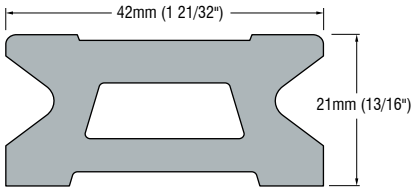
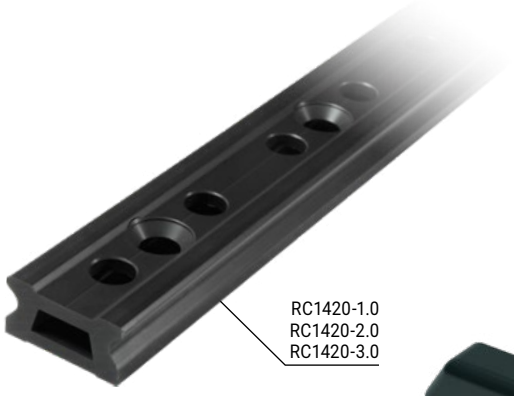
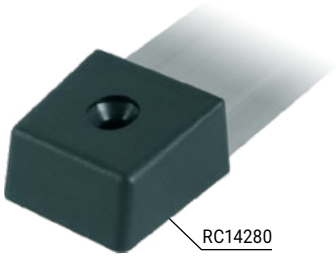


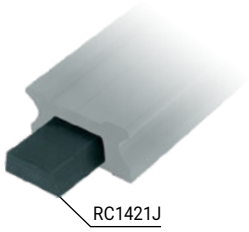
RC1420 TRACK PROFILE



2 x 10mm (3/8")



1 x 8mm (5/16")



TRACK FASTENINGS – 10mm (3/8") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – 50mm (1 31/32") centres

- Standard low profile track has stop holes for cars fitted with plunger stops.
- Beam track can be used for unsupported spans to bridge cockpits and companionway hatches. See page 130 for mechanical data.
- RC14281 end stop includes cover plate to conceal track end.
- RC1421J track joiner aids alignment when joining track sections.
- Mainsheet systems on boats to 24m (78ft).
- Genoa sheet systems on boats to 25m (82ft).
- Self-tacking jib systems on boats to 20m (65ft).
- Multihull mainsheet systems on boats to 19m (62ft).

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC1420-1.0*1	Track, black	996	42	-	-	1430	39 3/16	1 5/8	-	-	50.4
RC1420-2.0*1	Track, black	1996	42	-	-	2860	78 9/16	1 5/8	-	-	100.9
RC1420-3.0*1&2	Track, black	2996	42	-	-	4290	117 15/16	1 5/8	-	-	151.3
RC1421J	Track joiner	60	-	-	-	17	2 3/8	-	-	-	0.6
RC1425-3.0*1	Beam track, black. 56mmW x 71mmH (2 3/16"W x 2 25/32"H)	2996	56	-	-	13810	117 15/16	2 3/16	-	-	488.0
RC1425P	End plug for RC1425-3.0 beam track	-	-	-	-	135	-	-	-	-	4.8
RC14280	End cap, plastic	50	49	-	-	20	2	2	-	-	0.7
RC14281	End stop, aluminium, including end cover plate	84	75	-	-	345	3 1/4	2 15/16	-	-	12.2

* 1 Silver track available - Order as RCxxxxxS
* 2 Longer track available on request.

SERIES 55 BALL BEARING

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- Precision machined bodies and Torlon® ball bearings ensure free running performance even under extreme loads.
- Custom solutions can be developed to suit individual requirements.
- RC15505 Orbit Car has two integral attachment points for lashings.
- RC15515 mainsheet car runs on straight or curved track (in a horizontal plane). It has a pivoting bridge plate assembly with take-off points for lashing of mainsheet blocks and control line blocks.
- Main and mizzen sheet systems on monohulls to 36m (120ft), or multihulls to 23m (75ft).
- Self-tacking jib systems on boats 23m (75ft) and above.
- Torlon® ball bearings.
- Alloy bridge plates.
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC15505	Orbit Car, 2 x integrated link/lashing eye	290	125	5000	10000	2000	11 1/2	4 15/16	11000	22000	70.5
RC15515	Tandem car, pivoting bridge plate with take-off points for mainsheet and control line blocks	575	125	9500	19000	11600	22 5/8	4 15/16	20900	41800	409.1

- RC15518A with pivoting mainsheet sheave unit is a premium compact and low profile solution for a 2:1 mainsheet system. The central roller maintains sheet alignment and low friction when reaching with sheet eased and traveller car to leeward. 75mm (3") diameter control sheaves suit up to 14mm (9/16") rope.
- Precision machined bodies and Torlon® ball bearings ensure free running performance even under extreme loads.
- Custom solutions can be developed to suit individual requirements.
- Main and mizzen sheet systems on monohulls to 36m (120ft), or multihulls to 23m (75ft).
- Self-tacking jib systems on boats 23m (75ft) and above.
- Torlon® ball bearings (cars) and rollers (RC15518A sheaves).
- Alloy cheek/pivot plates and sheaves.
- Acetal ball bearings (sheaves).
- Grade 316 stainless steel fixtures.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC15518A	Car, pivoting mainsheet sheave stirrup with 2 x 150mm (6") diameter Orbit sheaves, single 75mm (3") diameter Orbit control sheaves	470	125	6000	12000	10500	18 1/2	4 15/16	13200	26500	370.3
Accessories											
501005	Ball bearing, Torlon®, 12.7mm (1/2") diameter	-	-	-	-	1	-	-	-	-	0.1

SERIES 55 BALL BEARING

- High performance roller ball bearing sheaves for low friction performance can accept two sheets for easy headsail changes.
- Highly polished stainless steel stirrups pivot 45° from vertical for optimum alignment with sheet loads.
- Custom solutions can be developed to suit individual requirements.
- Adjustable stops can be used as a backup to lock a car into position. The plunger stop can be locked in the "up" position.
- Genoa cars have a towing lug and twin rows of recirculating Torlon® ball bearings for easy adjustment under load. Custom variants are available with an additional lug aft for towing cars in series.
- Genoa sheet systems on boats 28m (92ft) and above.
- Alloy car bodies, end caps and sheaves.
- Torlon® ball bearings (cars) and rollers (sheaves).
- Acetal ball bearings (sheaves).
- Grade 316 stainless steel stirrups, cheeks and fixtures.

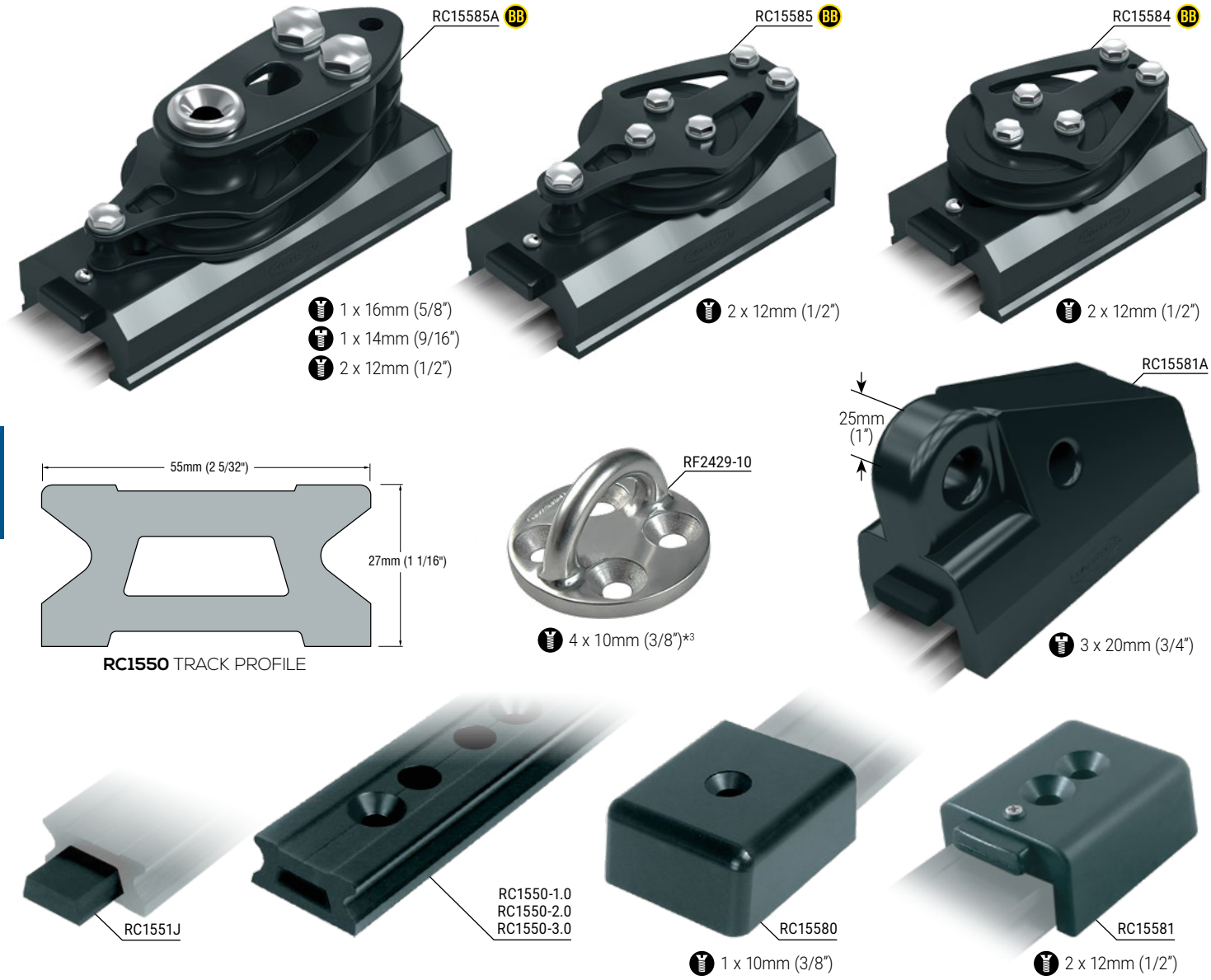
PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RC15531	Genoa car, towing lug	150	350	125	6500	13000	6400	6	13 3/4	4 15/16	14300	28600	225.7
RC15531A	Genoa car, towing lug	180	460	125	9650	19300	9300	7	18 1/8	4 15/16	21200	42400	328.0
SR Sliderod													
RC15583	Stop, adjustable	-	185	125	-	-	2050	-	15 3/8	4 15/16	-	-	72.3

SERIES 55 BALL BEARING

- Genoa cars have a towing lug and twin rows of recirculating Torlon® ball bearings for easy adjustment under load. Custom variants are available with an additional lug aft for towing cars in series.
- Highly polished stainless steel block assemblies pivot 45° from vertical for optimum alignment with sheet loads.
- Custom solutions can be developed to suit individual requirements.
- RC15541 outhaul car is suitable for monohulls to 36m (118ft) or multihulls to 23m (75ft). The M18 threaded rod at the forward end suits connection to a hydraulic ram.
- Genoa cars are suitable for sheet systems on boats 28m (92ft) and above.
- Alloy car bodies, end caps and sheaves.
- Torlon® ball bearings.
- Grade 316 stainless steel stirrups, cheeks and fixtures.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	SHEAVE DIAM. in	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing													
RC15536	Genoa car, towing lug, stainless steel block	125	345	125	6900	13800	7200	5	3 9/16	4 15/16	15200	30400	253.9
RC15536A	Genoa car, towing lug, stainless steel block	150	345	125	10000	20000	7900	6	3 9/16	4 15/16	22000	44000	278.6
RC15541	Outhaul car, M18 stud	-	390	125	6500	13000	8200	-	15 3/8	4 15/16	14300	28600	289.2
Accessories													
501005	Ball bearing, Torlon®, 12.7mm (1/2") diameter	-	-	-	-	-	1	-	-	-	-	-	0.1

SERIES 55 BALL BEARING



TRACK FASTENINGS – 12mm (1/2") countersunk fasteners at 100mm (3 15/16") centres **STOP HOLES** – 50mm (1 31/32") centres

- Traveller control ends have high performance roller ball bearing sheaves.
- Traveller control ends include a cover plate to conceal the end track.
- Custom control ends can be developed to suit individual requirements.
- Standard low profile track has stop holes for cars fitted with plunger stops.
- Padeyes are typically used for termination of 2:1 mainsheet systems on deck.
- RC15584, RC15585 and RC15585A have a 100mm (4") diameter sheave which suits up to 14mm (9/16") rope.
- RC15585A has an upper becket to dead end a mainsheet up to 20mm (3/4") diameter.
- RC15581A end stop has an integrated ID 25mm (15/16") mainsheet dead end/attachment point and an ID 19mm (3/4") dead end attachment point for a control line, and/or boom bridle.
- Alloy track and control end bodies.

PRODUCT No.	DESCRIPTION	LENGTH mm	WIDTH mm	M.W.L. kg	B.L. kg	WEIGHT g	LENGTH in	WIDTH in	M.W.L. lb	B.L. lb	WEIGHT oz
BB Ball Bearing											
RC1550-1.0*1	Track, black	996	55	-	-	2400	39 3/16	2 3/16	-	-	84.7
RC1550-2.0*1	Track, black	1996	55	-	-	4800	78 9/16	2 3/16	-	-	169.3
RC1550-3.0*1&2	Track, black	2996	55	-	-	7200	117 15/16	2 3/16	-	-	254.0
RC1551J	Track joiner	60	-	-	-	30	2 3/8	-	-	-	1.1
RC15580	End cap, plastic	85	75	-	-	155	3 3/8	2 15/16	-	-	5.5
RC15581	End stop, aluminium	110	76	-	-	477	4 5/16	2 31/32	-	-	16.8
RC15581A	End stop, aluminium, with mainsheet take-off point, end cover plate	190	85	6000	12000	2250	7 1/2	3 3/8	13200	26400	79.4
RC15584	Control end, 100mm (4") sheave	170	102	2800	5600	2140	6 11/16	4	6150	12300	75.5
RC15585	Control end, 100mm (4") sheave & becket	210	102	2800	5600	2140	8 1/4	4	6150	12300	75.5
RC15585A	Control end, 100mm (4") sheave & becket, mainsheet dead end attachment point	265	102	4100	8200	3380	10 7/16	4	9000	18000	119.2
RF2429-10	Control line padeye (see page 209 for further details)	72	72	-	9000*3	240	2 3/4	2 3/4	-	19800*3	8.5

*1 Silver track available - Order as RCxxxxxxS
*2 Longer track available on request.
*3 A4-80 DIN7991 grade fasteners recommended to achieve BL

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TRACK DATA

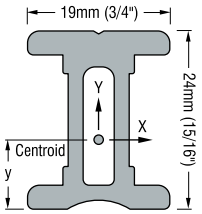
- Beam tracks are typically used to span cockpits, companionways and unsupported deck sections, where fastening options are restricted or to avoid the need for building additional support structure into the boat.
- Sectional and mechanical data, including moments of inertia (Ix & Iy) and cross sectional area (CSA) are shown below for the various beam sections. Designer or builder should be consulted to determine the appropriate section for a specific application.
- Beam tracks for ball bearing cars are supplied without holes. On request they can be drilled with custom hole arrangements to suit individual requirements. Contact our sales team for further information.

TYPICAL MATERIAL PROPERTIES

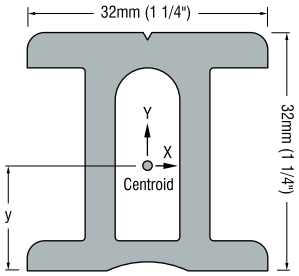
All tracks, unless otherwise stated
Aluminium alloy AL6005-T6
σ yield = 225 MPa (32.6 ksi)
σ yield = 270 MPa (39.2 ksi)

RC1225-3.0
Aluminium alloy AL6063-T6
σ yield = 170 MPa (24.7 ksi)
σ yield = 215 MPa (31.2 ksi)

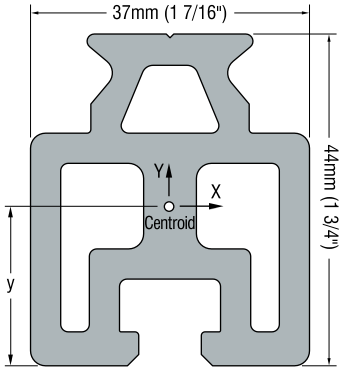
RC6190, RC6320
Aluminium alloy AL6061-T6
σ yield = 240 MPa (34.1 ksi)
σ yield = 290 MPa (42.1 ksi)



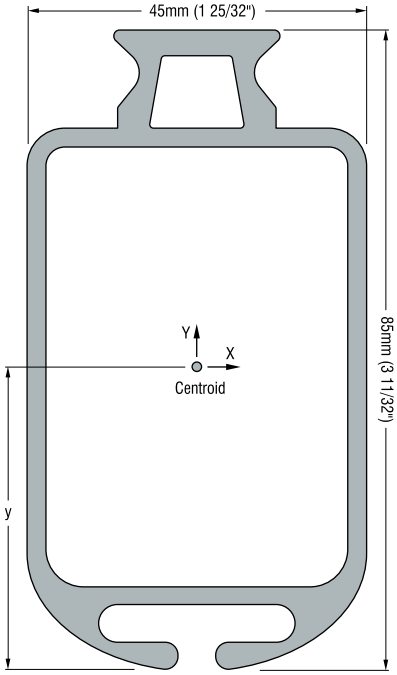
RC6190
Ix = 14294mm⁴ (0.0343in⁴)
Iy = 4219mm⁴ (0.0101in⁴)
y = 12.56mm (0.4945")
CSA = 196mm² (0.3038in²)



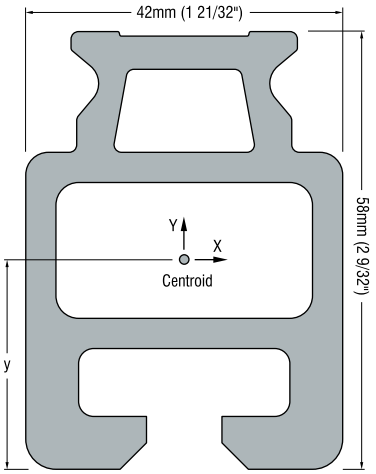
RC6320
Ix = 59000mm⁴ (0.1417in⁴)
Iy = 30360mm⁴ (0.0729in⁴)
y = 16.96mm (0.6677")
CSA = 471mm² (0.7301in²)



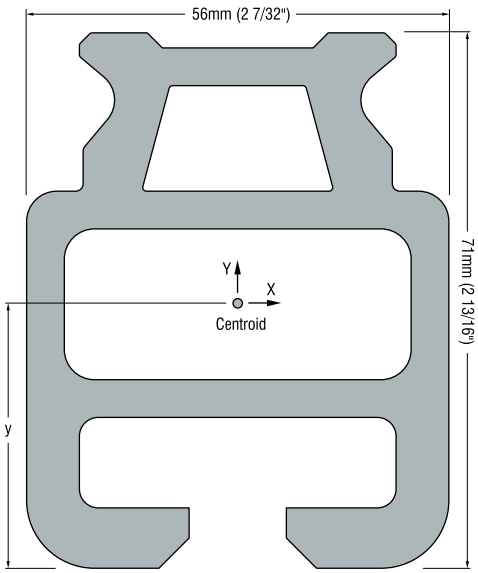
RC1225B-2.0
Ix = 133881mm⁴ (0.3217in⁴)
Iy = 98716mm⁴ (0.2372in⁴)
y = 20.2mm (0.7957")
CSA = 836 mm² (1.2969in²)



RC1225-3.0
Ix = 664730mm⁴ (1.5970in⁴)
Iy = 184248mm⁴ (0.4427in⁴)
y = 42.3mm (1.6654")
CSA = 768mm² (1.1904in²)



RC1305B-3.0
Ix = 338641mm⁴ (0.8136in⁴)
Iy = 202808mm⁴ (0.4872in⁴)
y = 26.9mm (1.0591")
CSA = 1051mm² (1.6291in²)



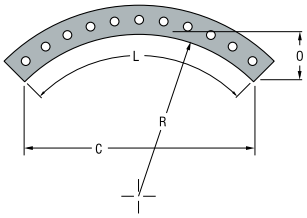
RC1425-3.0
Ix = 797749mm⁴ (1.9166in⁴)
Iy = 558530mm⁴ (1.3419in⁴)
y = 34.7mm (1.3611")
CSA = 1687mm² (2.6149in²)

TRACK BENDING

In certain applications it is advantageous to curve tracks either horizontally ('A' bend) or vertically ('B' bend). Track can be bent to match deck camber, or to ensure that the tension on a purchase system attached to a traveller car remains constant as the car moves along the track.

HORIZONTAL PLANE – 'A' BEND

In situations where cars and fittings are required to rotate around a central pivot point, horizontal 'A' bending of the track will ensure the load applied to the car remains vertical. This results in maximum strength and free rolling ability being maintained by the car. Maintaining this vertical alignment also ensures tension in an attached purchase system remains constant, a feature often sought after in sailboat mainsheet and boom vang traveller systems.



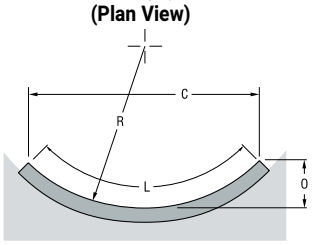
'A' Bend (Plan View)

VERTICAL PLANE – 'B' BEND

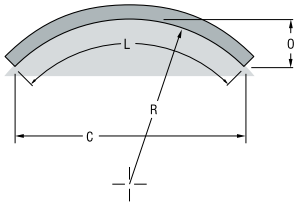
Traveller tracks can be bent vertically to fulfil certain requirements. They can be top mounted or underhung mounted with either concave or convex track bends.

'B' bends are often required to match the mounting surface to which a track is to be fixed; as when matching deck camber on a sailboat.

'B' bending can also be used to maintain constant tension in a purchase system mounted on a traveller car. This application is very popular on sailboat mainsheet and self-tacking jib systems where the increased load applied to the car during tacking or gybing may affect sail trim or increase rolling friction.



'B' Bend (Concave Side View)



'B' Bend (Convex Side View)

MINIMUM BEND RADIUS

TRAVELLER SERIES	CAR LENGTH mm	MINIMUM HORIZONTAL 'A' BEND RADIUS mm	MINIMUM HORIZONTAL 'B' BEND RADIUS mm	CAR LENGTH in	MINIMUM HORIZONTAL 'A' BEND RADIUS in	MINIMUM HORIZONTAL 'B' BEND RADIUS in
BB Series 14	47	1300	800	1 27/32	51 7/32	31 17/32
	50	1400	970	1 31/32	55 1/8	38 7/32
	68	2000	2000	2 11/16	78 13/16	78 13/16
	78	3500	4500	3 1/16	137 29/32	177 5/16
BB Series 19	50	1500	1500	1 31/32	60	27 29/32
	70	2500	3000	2 3/4	98 1/2	118 3/16
	85	3500	4500	3 11/32	137 29/32	177 5/16
	100	5000	5500	3 15/16	197	216 11/16
BB Series 22	75	1500	2000	2 31/32	59 3/32	78 13/16
	125	5000	5000	4 15/16	197	197
	175	9000	13000	6 29/32	354 19/32	512 3/16
	180	9000	13000	7 3/32	354 19/32	512 3/16
BB Series 26	108	2500	2500	4 1/8	98 13/32	98 13/32
	120	4000	4000	4 23/32	157 19/32	157 19/32
	200	8000	8000	7 7/8	315 3/16	315 3/16
	205	9000	9000	2 1/16	354 19/32	354 19/32
	210	9400	9400	8 1/4	370 3/32	370 3/32
BB Series 30	100	2500	2500	3 15/16	98 1/2	98 1/2
	108	2875	2875	4 1/4	113 3/16	113 3/16
	120	4900	4900	4 23/32	192 1/32	192 1/32
	150	8000	8000	5 29/32	315 3/16	315 3/16
	210	12400	12400	8 1/4	488 3/16	488 3/16
	225	16000	16000	8 7/8	630 13/32	630 13/32
	332	22500	22500	13 1/16	885 13/16	885 13/16
I-Track 19	51	400	400*	2	15 3/4	15 3/4
	86	1200	Not suitable	3 3/8	47 1/4	Not suitable
I-Track 32	76	500	500*	3	19 11/16	20
	157	500	Not suitable	6 3/16	19 11/16	Not suitable

Please contact our sales team for minimum bend radius requirements for Series 42 and 55 traveller cars.

* Manufacture of B-Bends for I-track 19 & 32 have length & radius limitations, please contact our sales team with your requirements.

CURVED TRACK SPECIFICATION REQUIREMENTS

Specifications are required for each type of bend, including two critical dimensions (three if possible), and clear drawings where possible.

Critical Dimension Required

Radius	**R**	and	**O**	Offset
		OR		
Radius	**R**	and	**L**	Length of Track
		OR		
Radius	**R**	and	**C**	Chord Length
		OR		
Offset	**O**	and	**C**	Chord Length

In many 'B' bend situations, the radius R is not known and it is easiest to specify the curve by C (chord length) and O (offset) values. In these cases, the radius the track is to follow MUST be constant.

It should be noted that:

- Although track bends may appear desirable to provide ideal alignment and avoid angular loads being applied to the car, in a ball bearing system the bend may reduce the load capacity of the system by loading the balls unevenly over the length of the car.
- Not all track types are suited to both types of bends, and some types of tracks cannot be curved at all.
- A minimum track radius is specified for each length of traveller car. This is the tightest curve a car will run around freely. Refer to the recommendations on this page for each track type regarding suitability and minimum radius values.
- Light bends can be 'sprung in' during installation, however considerable care must be taken to ensure that the curves are even with no tight spots and that the track is not over-bent (permanently deformed) during installation.

For best results, track should be ordered pre-bent from Ronstan.

Ordering

1. Specify the type of track profile (by product no.)
2. Indicate the type of bend required 'A' Bend (horizontal), or 'B' Bend (vertical) Concave or Convex.
3. Provide the appropriate dimensional specifications as described above.