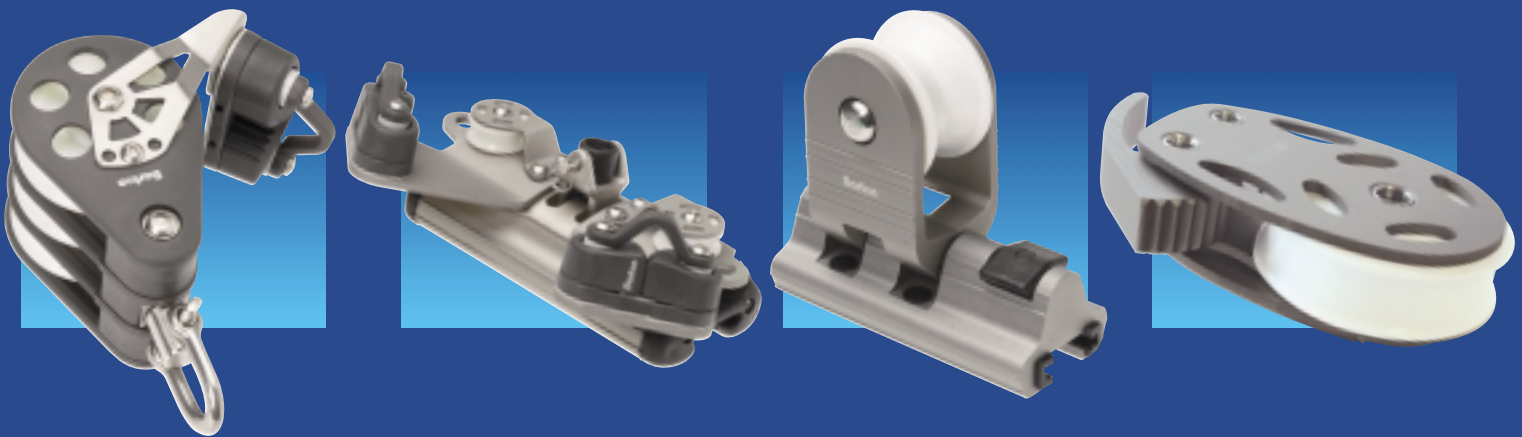


The Barton Catalogue



Barton
MARINE

U L T I M A T E S O L U T I O N

Welcome

Barton continues to grow from strength to strength. Our range increases every year with the continued introduction of many new and innovative products. Increased exports make **Barton** readily available in the global market and a firm favourite with cruising yachtsmen and women.

This year we have completely re-designed the catalogue to incorporate only our new five digit part numbers together with a new layout that is sure to make product selection a lot easier.

New Products:

There are a number of new products included throughout the catalogue, so please study each page carefully so as not to miss these. In particular, look out for High Load Blocks, Foot Blocks, More Lazy Jack and Reefing Systems and continual additions to our Standard and Cruiser block ranges.

Ball Bearing Traveller & Genoa Systems:

Most importantly, this range has been completely revamped and is now supplied in a modular component format. It is now easier than ever to decide on a system to suit your requirements, select the parts and easily build up tracks and travellers to fit your boat.

New Display Racks:

Barton dealers and stockists will be pleased to see the introduction of our all new modern display rack. Contact us or your distributor for details of how to obtain this good looking unit.

Barton on the Move:

Continued expansion and growth means that we have grown out of our existing premises which have been our headquarters for the past 40 years, it is no longer possible to get a quart from a pint pot! So, we are



moving to a new modern premises which will make us more efficient and give the room for further expansion. We are pleased to say that we will remain in **Whitstable** where we have been part of the community for over 50 years.



Contents



Blocks Standard

Size 1 Blocks	30mm Sheave 8mm Line	5
Size 2 Blocks	35mm Sheave 10mm Line	6 & 7
Size 3 Blocks	45mm Sheave 10mm Line	8 & 9
Size 4 Blocks	58mm Sheave 12m Line	10 & 11

Blocks Cruiser

Size 5 Blocks	54mm Sheave 12mm Line	12 & 13
Size 6 Blocks	63mm Sheave 12mm Line	14 & 15
Size 7 Blocks	70mm Sheave 14mm Line	16 & 17
Blocks High Load		21
Blocks Stainless 10mm Line		18
Blocks Wire Rope		19
Boomstrut		42
Bungs		44
Cam Cleats		45
Cam Cleats 'K' Cam		46 & 47
Clutches		32
Deck Organisers		32
Dinghy Mast Prop		47
Foot Blocks		21
Foot Blocks With Cam		21
Furling Gears		44
Genoa Cars Recirculating Ball Bearing		22 to 28
Genoa Cars 20mm		33
Genoa Cars 25mm		34 & 35
Genoa Cars 32mm		36 & 37
General Chandlery		50 to 53
Inspection Covers		49
Lazy Jack Kits		40
Mast Steps		41
Open Cleats		45
Page Part No. Index		54 & 55
Reefing Kits		41
Rudder Fittings		44
Shroud Cleats		43
Single Line Reefing Kits		40
Snatch Blocks		20
Stanchion Blocks		41
Track Mounting Cleats		43
Thimbles		45
Tiller Extensions		48
Travellers Recirculating Ball Bearing		22 to 28
Travellers 'I' Beam		29 to 31
Winch Handles		38
Winch Handle Pockets		38
Winches		39
Winches Snubbing		39
Winchers		39

Barton Blocks

A COMPREHENSIVE RANGE OF BLOCKS TO SUIT EVERY REQUIREMENT:

The following eighteen pages detail what is probably one of the most comprehensive ranges of blocks available from any manufacturer.

These compact, high strength products are manufactured from the most modern materials and suitable for use on dinghies, dayboats, cruising and racing yachts.

Designed for high performance, strength and light weight these products provide maximum efficiency and a long working life.

Available with these Heads & Bearings



Becket



Reverse Shackle



Snap Shackle



Fixed Eye



Fixed Eye Clevis Pin



Variloc



Swivel



Plain Bearing



Ball Bearings

A wide range of attachment heads are available including:

- Swivel
- Reverse Shackle
- Fixed Eye
- Fixed Eye/Clevis Pin
- Snap Shackle
- Multi Head

Multiple sheave options help make up a huge range of tackle options. These include:

- Single
- Single & Camcleat
- Double
- Triple
- Triple & Camcleat
- Fiddle
- Fiddle & Camcleat

The range offers sizes to suit lines up to 14mm diameter with break loads up to 2500kg. The wide variety of sheave permutations will ensure that we have a product to suit most applications.

Ball Bearing Options:

Most blocks featured here are offered with a high performance ball bearing option. The design features twin rows of Delrin balls running on a large diameter centre boss. This enables loads to be spread across a greater number of bearing surfaces ensuring a higher performance.

High Load Blocks

This year we have introduced a totally new range of high load blocks from solid aluminium and stainless steel components.

These include:

- Single
- Foot Blocks
- Foot Blocks With Cam Jamming



Size 1 Blocks

- **Sheave Size: 30mm x 11mm (13/16" x 7/16")**
- **Max Rope Dia: 8mm (5/16")**
- **Break Load: 700kg (1543lb)**
- **SWL: 350kg (771lb)**
- **Max Rolling Load (Ball Blocks): 245kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

A strong lightweight range of blocks suitable for use on dinghies, dayboats or as lead blocks on larger craft.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter brass centre bearing ensuring free running under the highest of loads.

Fixed Eye Clevis Pin

A simple low priced fixed eye block with removable clevis pin for fixing. Pin Dia: 5mm. Width between straps: 13mm.



Fixed Eye

Has a plain attachment eye.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Swivel

Fully swivelling head with removable shackle.

Upright

Allows lines to pass under sheave. Fastenings: 5mm.

Upright With Fairlead

Allows lines to pass over sheave, fairlead prevents line falling off when not under load. Fastenings: 5mm.

Spinnaker Lead

A useful block mounted on a stainless steel tang. Fastenings: 5mm.

Lightweight Lead

A handy lightweight block for use where high load is not expected.

Back to Back Swivel

Useful double swivelling blocks with a variety of applications especially dinghy mainsheet/horse blocks.

Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.

Part Number	Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
SINGLE BLOCKS						
01 090	11 090		Single Fixed Eye Clevis Pin	78	48	46
01 091	11 091		Single Fixed Eye Clevis Pin Becket	87	52	51
01 110	11 110		Single Fixed Eye	70	41	40
01 111	11 111		Single Fixed Eye Becket	80	46	44
01 120	11 120		Single Reverse Shackle	82	51	49
01 121	11 121		Single Reverse Shackle Becket	93	56	55
01 130	11 130		Single Swivel	85	57	55
01 131	11 131		Single Swivel Becket	98	61	60
01 150	11 150		Single Upright	53	64	62
01 151	11 151		Upright With Fairlead	63	70	78
01 160	11 160		Lightweight Cheek Block	55	21	20
01 170	11 170		Stand Up Block	79	62	60
01 180	11 180		Spinnaker Lead	114	59	57
01 190	11 190		Lightweight Lead Block	44	20	18
DOUBLE BLOCKS						
01 210	11 210		Double Fixed Eye	69	65	63
01 211	11 211		Double Fixed Eye Becket	78	71	69
01 220	11 220		Double Reverse Shackle	83	77	73
01 221	11 221		Double Reverse Shackle Becket	91	82	78
01 230	11 230		Double Swivel	90	83	80
01 231	11 231		Double Swivel Becket	99	88	85
01 250	11 250		Double Upright	53	89	86
01 280	11 280		Back To Back Swivel	118	81	78
TRIPLE BLOCKS						
01 320	11 320		Triple Reverse Shackle	81	102	97
01 321	11 321		Triple Reverse Shackle Becket	94	109	103
01 330	11 330		Triple Swivel	85	108	103
01 331	11 331		Triple Swivel Becket	98	112	108

Size 2 Blocks

- **Sheave Size**
Single: 35mm x 11mm (13/8" x 7/16")
Fiddle: 30mm/45mm x 11mm (13/16"/13/4" x 7/16")
- **Max Rope Dia: 8mm (5/16")**
- **Break Load: 740kg (1630lb)**
- **SWL: 370kg (815lb)**
- **Max Rolling Load (Ball Blocks): 260kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

A strong lightweight range of blocks suitable for use on dinghies and dayboats or as lead blocks on larger boats.

A comprehensive range of multiple sheave options together with fiddles and camcleat blocks allow for powerful lightweight tackles to be achieved.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter brass centre bearing ensuring free running under the highest of loads.

Fixed Eye Clevis Pin

A simple low priced fixed eye block with removable clevis pin for fixing. Pin Dia: 5mm. Width between straps: 13mm.

Fixed Eye

Has a plain attachment eye.

Swivel

Fully swivelling head with removable shackle.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Snap Shackle

Has a cast Stainless Steel swivelling snap shackle. Ideal for use as quick release downhauls or vang tackles.

Upright

Allows lines to pass under sheave. Fastenings: 5mm.

Upright With Fairlead

Allows lines to pass over sheave, fairlead prevents line falling off when not under load. Fastenings: 5mm.

Stand Up

Features a flexible plastic spring for anti tumble action. Base Dia: 58mm. Fastening Dia: 5mm.

Cheek

Has a plastic backing plate to eliminate damage to spars or decks. A curved backing plate is also available to allow snug attachment to spars.

Base Size: 79mm x 43mm. Fastening Dia: 5mm.

Stanchion Lead

Designed for use on 25mm dia tubes, these blocks have a swivelling action with up down movement allowing for fair lead on control lines. A double version is also available.

Note: A larger size 3 or 4 should be used for final take off on furling lines.

Spinnaker Lead

A useful block mounted on a stainless steel tang. Fastenings: 5mm.

Back to Back Swivel

Useful double swivelling block with a variety of applications especially dinghy mainsheet/horse blocks.

Camcleat Blocks

Fitted with Kevlar 'K' Cams (unless otherwise stated). Cam arms are fully adjustable by moving the locking clevis pin to achieve the correct cleating angle. This range of blocks used in conjunction with relevant fiddles are particularly useful for use as mainsheet, vang tackles or powerful downhauls on dinghies, dayboats or light cruising yachts.

Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.



Becket



Reverse Shackle



Fixed Eye



Fixed Eye Clevis Pin



Swivel



Snap Shackle

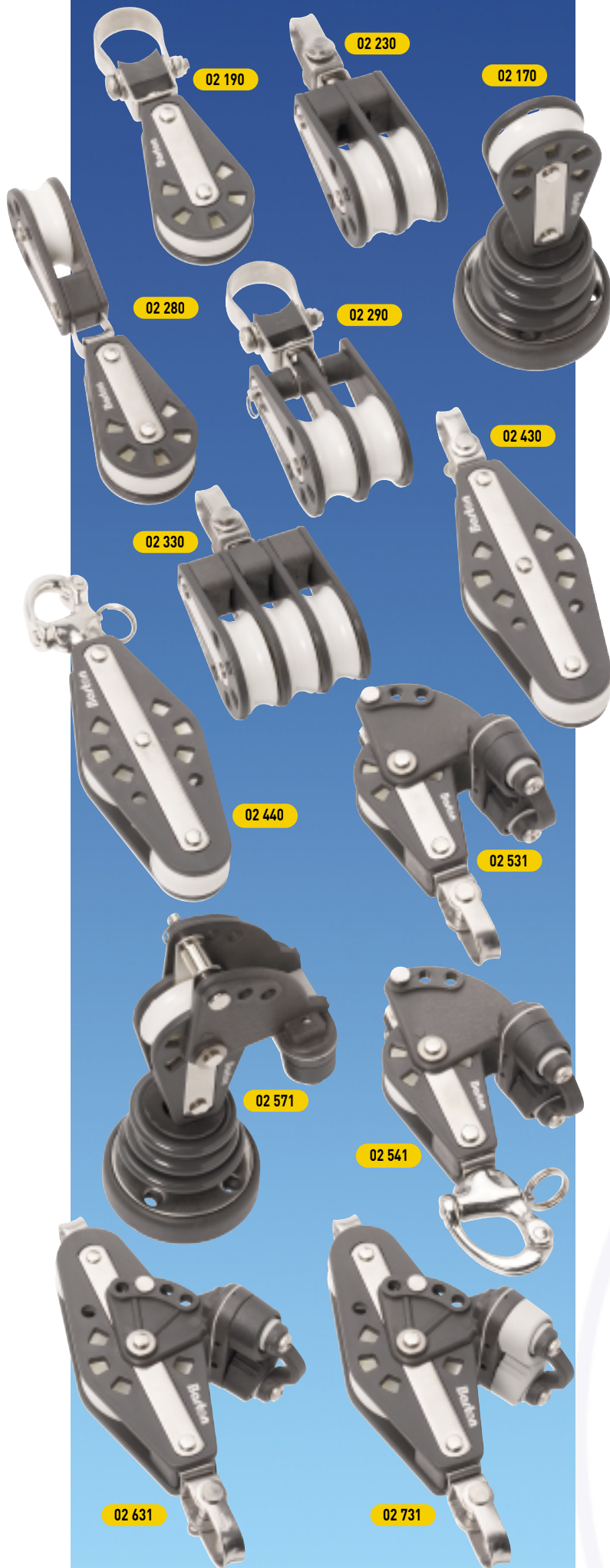


Plain Bearing



Ball Bearings

Available with these Heads & Bearings



Part Number

Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
SINGLE BLOCKS					
02 090	12 090	Single Fixed Eye Clevis Pin	87	56	54
02 091	12 091	Single Fixed Eye Clevis Pin Becket	97	63	60
02 110	12 110	Single Fixed Eye	79	50	47
02 111	12 111	Single Fixed Eye Becket	88	56	53
02 120	12 120	Single Reverse Shackle	94	60	58
02 121	12 121	Single Reverse Shackle Becket	112	66	64
02 130	12 130	Single Swivel	97	64	62
02 131	12 131	Single Swivel Becket	105	70	69
02 140	12 140	Single Snap Shackle	106	96	93
02 141	12 141	Single Snap Shackle Becket	115	101	98
02 150	12 150	Single Upright	51	78	76
02 151	12 151	Upright With Fairlead	75	87	85
02 160	12 160	Cheek Block	80	73	69
02 161		Curved Backing Plate	80	15	-
02 170	12 170	Stand Up Block	112	138	137
02 171	12 171	Stand Up Block Becket	117	142	140
02 180	12 180	Spinnaker Lead	122	68	66
02 190	12 190	Single Stanchion	110	78	77
DOUBLE BLOCKS					
02 210	12 210	Double Fixed Eye	79	80	77
02 211	12 211	Double Fixed Eye Becket	87	86	84
02 220	12 220	Double Reverse Shackle	93	91	89
02 221	12 221	Double Reverse Shackle Becket	97	97	94
02 230	12 230	Double Swivel	98	96	95
02 231	12 231	Double Swivel Becket	109	102	100
02 250	12 250	Double Upright	63	110	108
02 280	12 280	Back To Back Swivel	141	98	96
02 290	12 290	Double Stanchion	108	108	104
TRIPLE BLOCKS					
02 320	12 320	Triple Reverse Shackle	91	121	120
02 321	12 321	Triple Reverse Shackle Becket	100	127	126
02 330	12 330	Triple Swivel	94	125	124
02 331	12 331	Triple Swivel Becket	105	132	130
FIDDLE BLOCKS					
02 410	12 410	Fiddle Fixed Eye	128	98	97
02 411	12 411	Fiddle Fixed Eye Becket	137	100	99
02 420	12 420	Fiddle Reverse Shackle	140	109	108
02 421	12 421	Fiddle Reverse Shackle Becket	150	113	112
02 430	12 430	Fiddle Swivel	147	113	112
02 431	12 431	Fiddle Swivel Becket	155	117	116
02 440	12 440	Fiddle Snap Shackle	155	142	141
02 441	12 441	Fiddle Snap Shackle Becket	163	150	147
CAMCLEAT BLOCKS					
02 531	12 531	Single Swivel Becket Cam	119	127	125
02 541	12 541	Single Snap Becket Cam	122	157	155
02 571	12 571	Single Stand Up Becket Cam	132	201	197
02 631	12 631	Fiddle Swivel Becket Cam	155	165	164
02 641	12 641	Fiddle Snap Becket Cam	165	196	195
02 731	12 731	Fiddle Swivel Becket Plastic Cam	157	167	166
STANCHION LEAD BLOCKS					
02 190	12 190	Single Stanchion	110	78	77
02 290	12 290	Double Stanchion	108	108	104

Size 3 Blocks

- **Sheave Size**
Single: 45mm x 13mm (1 3/4" x 1/2")
Fiddle: 30mm/45mm x 13mm (1 3/16"/1 3/4" x 1/2")
- **Max Rope Dia: 10mm (3/8")**
- **Break Load: 770kg (1697lb)**
- **SWL: 385kg (848lb)**
- **Max Rolling Load (Ball Blocks): 270kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

A strong lightweight range of blocks suitable for use on dinghies, dayboats and light cruising yachts. Ideal for Mainsheets, Vang Tackles, lead blocks or wherever a powerful and compact purchase tackle is required.

A comprehensive range of Camcleat, Fiddle and Fiddle & Camcleat versions are available.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter brass centre bearing ensuring free running under the highest of loads.

Fixed Eye Clevis Pin

A simple low priced fixed eye block with removable clevis pin for fixing. Pin Dia: 5mm. Width between straps: 13mm.

Fixed Eye

Has a plain attachment eye.

Swivel

Fully swivelling head with removable shackle.

Variloc Multi Head

Allows Swivel to be locked at 30 degree positions in relation to sheave. Inverting the plastic locking piece converts to swivel mode. Supplied with screw pin strip shackle.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Snap Shackle

Has a cast stainless steel swivelling snap shackle. Ideal for use as quick release downhauls or vang tackles.

Upright

Allows lines to pass under sheave. Fastenings: 5mm.



Becket



Reverse Shackle

Available with
these Heads &
Bearings



Fixed Eye



Fixed Eye Clevis Pin



Swivel



Snap Shackle



Variloc



Plain Bearing



Ball Bearings



Upright With Fairlead

Allows lines to pass over sheave, fairlead prevents line falling off when not under load. Fastenings: 5mm.

Stand Up

Features a flexible plastic spring for anti tumble action. Base Dia: 58mm. Fastening Dia: 5mm.

Cheek

Has a plastic backing plate to eliminate damage to spars or decks. A curved backing plate is also available to allow snug attachment to spars.

Base Size: 92mm x 43mm. Fastening Dia: 5mm.

Stanchion Lead

Designed for use on 25mm dia tubes, these blocks have a swivelling action with up down movement allowing for fair lead on control lines.

Note: A larger size 4 should be used for final take off on furling lines.

Camcleat Blocks

Fitted with Kevlar 'K' Cams (unless otherwise stated). Cam arms are fully adjustable by moving the locking clevis pin to achieve the correct cleating angle. This range of blocks used in conjunction with relevant fiddles are particularly useful for use as mainsheet, vang tackles or powerful downhauls on dinghies, dayboats or light cruising yachts.

Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.



Part Number	Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
SINGLE BLOCKS						
03 090	13 090		Single Fixed Eye Clevis Pin	97	85	88
03 091	13 091		Single Fixed Eye Clevis Pin Becket	112	94	96
03 110	13 110		Single Fixed Eye	90	77	79
03 111	13 111		Single Fixed Eye Becket	107	84	88
03 120	13 120		Single Reverse Shackle	105	85	88
03 121	13 121		Single Reverse Shackle Becket	117	94	96
03 130	13 130		Single Swivel	107	89	90
03 131	13 131		Single Swivel Becket	122	97	99
03 140	13 140		Single Snap Shackle	118	121	122
03 141	13 141		Single Snap Shackle Becket	132	130	131
03 150	13 150		Single Upright	75	122	126
03 151	13 151		Upright With Fairlead	85	132	133
03 160	13 160		Cheek Block	92	109	110
03 161			Curved Backing Plate	92	19	-
03 170	13 170		Stand Up Block	118	158	162
03 171	13 171		Stand Up Block Becket	129	169	172
03 180	13 180		Single Variloc	104	90	92
03 181	13 181		Single Variloc Becket	117	98	100
03 190	13 190		Single Stanchion	120	104	106
DOUBLE BLOCKS						
03 210	13 210		Double Fixed Eye	90	124	131
03 211	13 211		Double Fixed Eye Becket	100	132	136
03 220	13 220		Double Reverse Shackle	104	134	139
03 221	13 221		Double Reverse Shackle Becket	117	142	146
03 230	13 230		Double Swivel	107	138	144
03 231	13 231		Double Swivel Becket	127	147	152
03 250	13 250		Double Upright	75	171	176
TRIPLE BLOCKS						
03 320	13 320		Triple Reverse Shackle	104	183	193
03 321	13 321		Triple Reverse Shackle Becket	117	191	199
03 330	13 330		Triple Swivel	117	204	213
03 331	13 331		Triple Swivel Becket	130	211	220
FIDDLE BLOCKS						
03 410	13 410		Fiddle Fixed Eye	147	151	156
03 411	13 411		Fiddle Fixed Eye Becket	160	157	167
03 420	13 420		Fiddle Reverse Shackle	162	161	165
03 421	13 421		Fiddle Reverse Shackle Becket	175	168	172
03 430	13 430		Fiddle Swivel	165	163	168
03 431	13 431		Fiddle Swivel Becket	176	170	177
03 440	13 440		Fiddle Snap Shackle	174	195	199
03 441	13 441		Fiddle Snap Shackle Becket	188	202	206
03 480	13 480		Fiddle Variloc	160	165	169
03 481	13 481		Fiddle Variloc Becket	175	163	188
CAMCLEAT BLOCKS						
03 511	13 511		Single Swivel Becket Cam	121	188	196
03 531	13 531		Triple Swivel Becket Cam	137	306	315
03 541	13 541		Single Snap Becket Cam	129	345	347
03 571	13 571		Single Stand Up Becket Cam	136	261	263
03 631	13 631		Fiddle Swivel Becket Cam	178	250	255
03 641	13 641		Fiddle Snap Becket Cam	188	281	280
03 681	13 681		Fiddle Variloc Becket Cam	170	253	257
03 731	13 731		Fiddle Swivel Becket Plastic Cam	178	253	257
STANCHION LEAD BLOCKS						
03 190	13 190		Single Stanchion	120	104	106

Size 4 Blocks

- **Sheave Size**
Single: 58mm x 17mm (2 1/4" x 5/8")
Fiddle: 32mm/58mm x 17mm (1 1/4"/2 1/4" x 5/8")
- **Max Rope Dia: 12mm (7/16")**
- **Break Load: 1260kg (2770lb)**
- **SWL: 630kg (1385lb)**
- **Max Rolling Load (Ball Blocks): 440kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

A strong lightweight range of blocks suitable for use on dayboats and cruising yachts. Ideal for Mainsheets, Vang Tackles, lead blocks or wherever a powerful and compact purchase tackle is required.

A comprehensive range of Camcleat, Fiddle and Fiddle & Camcleat versions are available.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter brass centre bearing ensuring free running under the highest of loads.

Fixed Eye Clevis Pin

A simple low priced fixed eye block with removable clevis pin for fixing. Pin Dia: 6mm. Width between straps: 13mm.

Fixed Eye

Has a plain attachment eye.

Swivel

Fully swivelling head with removable shackle.

Variloc Multi Head

Allows Swivel to be locked at 30 degree positions in relation to sheave. Inverting the plastic locking piece converts to swivel mode. Supplied with screw pin strip shackle.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Snap Shackle

Has a cast Stainless Steel swivelling snap shackle. Ideal for use as quick release downhauls or vang tackles.



Upright

Allows lines to pass under sheave. Fastenings: 5mm.

Upright With Fairlead

Allows lines to pass over sheave, fairlead prevents line falling off when not under load. Fastenings: 5mm.

Stand Up

Features a flexible plastic spring for anti tumble action.

Base Dia: 58mm. Fastening Dia: 5mm.

Cheek

Has a plastic backing plate to eliminate damage to spars or decks. Base Size: 107mm x 67mm. Fastening Dia: 5mm.

Stanchion Lead

Designed for use on 25mm dia tubes, these blocks have a swivelling action with up down movement allowing for fair lead on control lines.

Note: A larger size 3 or 4 should be used for final take off on furling lines.

Camcleat Blocks

Fitted with Kevlar 'K' Cams (unless otherwise stated). Cam arms are fully adjustable by moving the locking clevis pin to achieve the correct cleating angle. This range of blocks used in conjunction with relevant fiddles are particularly useful for use as mainsheet, vang tackles or powerful downhauls on dinghies, dayboats or light cruising yachts.

Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.



Becket



Reverse Shackle

Available with
these Heads &
Bearings



Fixed Eye



Fixed Eye Clevis Pin



Swivel



Snap Shackle



Variloc



Plain Bearing



Ball Bearings



Part Number	Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
SINGLE BLOCKS						
04 090	14 090		Single Fixed Eye Clevis Pin	120	166	161
04 091	14 091		Single Fixed Eye Clevis Pin Becket	140	177	175
04 110	14 110		Single Fixed Eye	114	156	150
04 111	14 111		Single Fixed Eye Becket	135	170	166
04 120	14 120		Single Reverse Shackle	130	172	167
04 121	14 121		Single Reverse Shackle Becket	150	187	181
04 130	14 130		Single Swivel	138	187	181
04 131	14 131		Single Swivel Becket	157	199	198
04 140	14 140		Single Snap Shackle	148	257	250
04 141	14 141		Single Snap Shackle Becket	170	269	266
04 150	14 150		Single Upright	92	218	214
04 151	14 151		Upright With Fairlead	105	234	231
04 160	14 160		Cheek Block	107	178	174
04 170	14 170		Stand Up Block	135	243	237
04 171	14 171		Stand Up Block Becket	152	262	253
04 180	14 180		Single Variloc	131	189	181
04 181	14 181		Single Variloc Becket	150	203	200
04 190	14 190		Stanchion Lead	140	197	190
DOUBLE BLOCKS						
04 210	14 210		Double Fixed Eye	115	270	261
04 211	14 211		Double Fixed Eye Becket	135	286	277
04 220	14 220		Double Reverse Shackle	130	275	263
04 221	14 221		Double Reverse Shackle Becket	147	288	285
04 230	14 230		Double Swivel	138	291	283
04 231	14 231		Double Swivel Becket	162	305	296
04 250	14 250		Double Upright	92	321	314
TRIPLE BLOCKS						
04 320	14 320		Triple Reverse Shackle	132	377	365
04 321	14 321		Triple Reverse Shackle Becket	145	391	380
04 330	14 330		Triple Swivel	139	391	380
04 331	14 331		Triple Swivel Becket	155	406	396
FIDDLE BLOCKS						
04 410	14 410		Fiddle Fixed Eye	160	225	211
04 411	14 411		Fiddle Fixed Eye Becket	178	237	225
04 420	14 420		Fiddle Reverse Shackle	175	239	228
04 421	14 421		Fiddle Reverse Shackle Becket	195	253	239
04 430	14 430		Fiddle Swivel	185	254	244
04 431	14 431		Fiddle Swivel Becket	202	267	252
04 440	14 440		Fiddle Snap Shackle	195	326	316
04 441	14 441		Fiddle Snap Shackle Becket	215	339	322
04 480	14 480		Fiddle Variloc	177	259	243
04 481	14 481		Fiddle Variloc Becket	197	269	260
04 930	14 930		Fiddle Triple	192	359	344
CAMCLEAT BLOCKS						
04 531	14 531		Single Swivel Becket Cam	157	307	299
04 541	14 541		Single Snap Becket Cam	167	389	381
04 571	14 571		Single Stand Up Becket Cam	152	365	358
04 630	14 630		Fiddle Double Swivel Cam	150	532	503
04 631	14 631		Fiddle Swivel Becket Cam	198	372	358
04 641	14 641		Fiddle Snap Becket Cam	214	447	432
04 681	14 681		Fiddle Variloc Becket Cam	195	375	361
04 731	14 731		Fiddle Swivel Becket Plastic Cam	206	378	364
04 931	14 931		Triple Swivel Becket Cam	150	597	586
STANCHION LEAD BLOCKS						
04 190	14 190		Single Stanchion	140	197	190

Size 5 Blocks

- **Sheave Size**
Single: 54mm x 17mm (2 1/8" x 5/8")
Fiddle: 38mm/64mm x 17mm (1 1/2" / 2 1/2" x 5/8")
- **Max Rope Dia: 12mm (7/16")**
- **Break Load: 1500kg (3300lb)**
- **SWL: 750kg (1650lb)**
- **Max Rolling Load (Ball Blocks): 525kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

This range of high load cruiser blocks are of a rugged construction featuring high quality injection moulded side plates with all load carrying components from 316 grade stainless steel. Side plates are through bolted and riveted for added strength and security. This good looking and versatile range is designed for use on larger cruising and racing yachts. All are designed for ease of use with our Ball Bearing Mainsheet Traveller Systems detailed on pages 23 to 27.

A comprehensive range of Camcleat, Fiddle and Fiddle & Camcleat versions are also included.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter stainless steel centre bearing ensuring free running under extremely high loadings.

Fixed Eye

Has a plain attachment eye.

Swivel

Solid stainless steel swivel eye through a solid trunion assembly through bolted to the block is capable of operation under the highest loads. A forged stainless steel screw pin shackle is also fitted.



Becket



Reverse Shackle



Fixed Eye



Swivel



Snap Shackle



Variloc



Plain Bearing



Ball Bearings

Available with
these Heads
& Bearings

Variloc Multi Head

Allows swivel to be locked at 30 degree positions in relation to sheave. Inverting the plastic locking piece converts to swivel mode. Supplied with screw pin strip shackle.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Snap Shackle

Has a cast stainless steel swivelling snap shackle. Ideal for use as quick release downhauls or vang tackles.

Stand Up

Features a flexible plastic spring for anti tumble action. Base Dia: 67mm. Fastening Dia: 6mm.

Camcleat Blocks

Fitted with Kevlar 'K' Cams (unless otherwise stated). Stainless steel cam arms are fully adjustable by moving the locking clevis pin to achieve the correct cleating angle. This range of blocks used in conjunction with relevant fiddles are particularly useful for use as mainsheet, vang tackles or powerful downhauls.

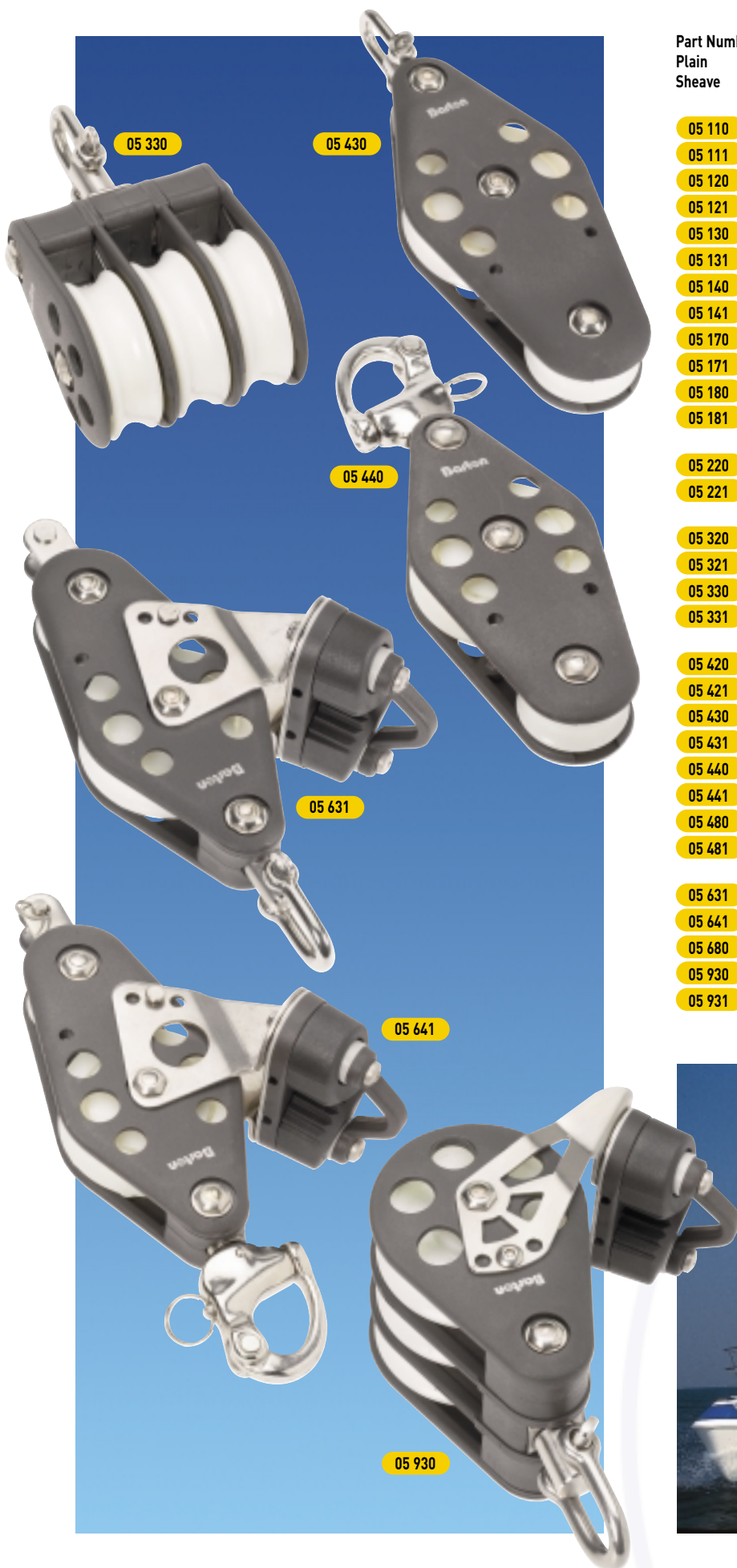
Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.





Part Number Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
SINGLE BLOCKS					
05 110	15 110	Single Fixed Eye	107	154	140
05 111	15 111	Single Fixed Eye Becket	130	177	163
05 120	15 120	Single Reverse Shackle	130	178	164
05 121	15 121	Single Reverse Shackle Becket	150	204	189
05 130	15 130	Single Swivel	130	197	183
05 131	15 131	Single Swivel Becket	153	220	206
05 140	15 140	Single Snap Shackle	142	263	247
05 141	15 141	Single Snap Shackle Becket	165	286	272
05 170	15 170	Stand Up Block	140	347	329
05 171	15 171	Stand Up Block Becket	163	370	352
05 180	15 180	Single Variloc	125	195	181
05 181	15 181	Single Variloc Becket	148	218	205
DOUBLE BLOCKS					
05 220	15 220	Double Reverse Shackle	125	274	247
05 221	15 221	Double Reverse Shackle Becket	147	300	272
TRIPLE BLOCKS					
05 320	15 320	Triple Reverse Shackle	130	382	337
05 321	15 321	Triple Reverse Shackle Becket	148	402	365
05 330	15 330	Triple Swivel	150	490	475
05 331	15 331	Triple Swivel Becket	173	513	498
FIDDLE BLOCKS					
05 420	15 420	Fiddle Reverse Shackle	185	278	255
05 421	15 421	Fiddle Reverse Shackle Becket	205	300	285
05 430	15 430	Fiddle Swivel	185	300	278
05 431	15 431	Fiddle Swivel Becket	209	318	296
05 440	15 440	Fiddle Snap Shackle	200	362	340
05 441	15 441	Fiddle Snap Shackle Becket	220	378	360
05 480	15 480	Fiddle Variloc	185	295	275
05 481	15 481	Fiddle Variloc Becket	209	296	276
CAMCLEAT BLOCKS					
05 631	15 631	Fiddle Swivel Becket Cam	209	469	449
05 641	15 641	Fiddle Snap Becket Cam	215	568	553
05 680	15 680	Fiddle Variloc Becket Cam	205	508	490
05 930	15 930	Triple Swivel Cam	150	660	645
05 931	15 931	Triple Swivel Becket Cam	173	683	668



Size 6 Blocks

- **Sheave Size**
Single: 63mm x 17mm (2 1/2" x 5/8")
Fiddle: 44mm/70mm x 17mm (1 3/4"/2 3/4" x 5/8")
- **Max Rope Dia: 12mm (7/16")**
- **Break Load: 2000kg (4400lb)**
- **SWL: 1000kg (2200lb)**
- **Max Rolling Load (Ball Blocks): 700kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

This range of high load cruiser blocks are of a rugged construction featuring high quality injection moulded side plates with all load carrying components from 316 grade stainless steel. Side plates are through bolted and riveted for added strength and security. This good looking and versatile range is designed for use on larger cruising and racing yachts. All are designed for ease of use with our Ball Bearing Mainsheet Traveller Systems detailed on pages 22 to 27.

A comprehensive range of Camcleat, Fiddle and Fiddle & Camcleat versions are also included.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter stainless steel centre bearing ensuring free running under extremely high loadings.

Fixed Eye

Has a plain attachment eye.

Swivel

Solid stainless steel swivel eye through a solid trunion assembly through bolted to the block is capable of operation under the highest loads. A forged stainless steel screw pin shackle is also fitted.



Becket



Reverse Shackle



Fixed Eye



Swivel



Snap Shackle



Variloc



Plain Bearing



Ball Bearings

Available with
these Heads
& Bearings



Variloc Multi Head

Allows swivel to be locked at 30 degree positions in relation to sheave. Inverting the plastic locking piece converts to swivel mode. Supplied with screw pin strip shackle.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Snap Shackle

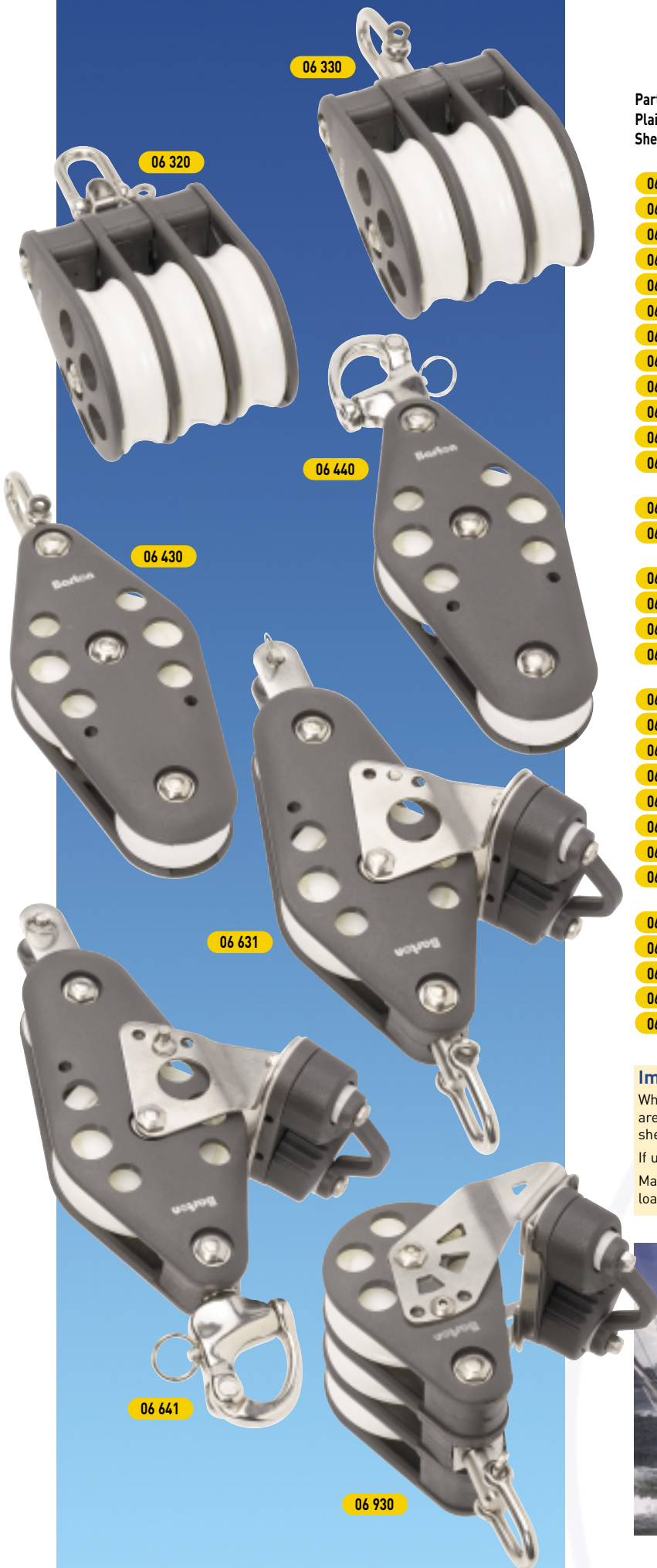
Has a cast stainless steel swivelling snap shackle. Ideal for use as quick release downhauls or vang tackles.

Stand Up

Features a flexible plastic spring for anti tumble action. Base Dia: 67mm. Fastening Dia: 6mm.

Camcleat Blocks

Fitted with Kevlar 'K' Cams (unless otherwise stated). Stainless steel cam arms are fully adjustable by moving the locking clevis pin to achieve the correct cleating angle. This range of blocks used in conjunction with relevant fiddles are particularly useful for use as mainsheet, vang tackles or powerful downhauls.



Part Number

Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
SINGLE BLOCKS					
06 110	16 110	Single Fixed Eye	118	180	172
06 111	16 111	Single Fixed Eye Becket	147	210	201
06 120	16 120	Single Reverse Shackle	140	206	197
06 121	16 121	Single Reverse Shackle Becket	165	232	225
06 130	16 130	Single Swivel	142	227	217
06 131	16 131	Single Swivel Becket	167	255	245
06 140	16 140	Single Snap Shackle	170	292	283
06 141	16 141	Single Snap Shackle Becket	180	322	307
06 170	16 170	Stand Up Block	150	369	361
06 171	16 171	Stand Up Block Becket	179	399	391
06 180	16 180	Single Variloc	138	228	217
06 181	16 181	Single Variloc Becket	165	254	244
DOUBLE BLOCKS					
06 220	16 220	Double Reverse Shackle	135	325	307
06 221	16 221	Double Reverse Shackle Becket	164	352	334
TRIPLE BLOCKS					
06 320	16 320	Triple Reverse Shackle	135	449	425
06 321	16 321	Triple Reverse Shackle Becket	167	476	455
06 330	16 330	Triple Swivel	170	686	662
06 331	16 331	Triple Swivel Becket	193	716	692
FIDDLE BLOCKS					
06 420	16 420	Fiddle Reverse Shackle	210	339	321
06 421	16 421	Fiddle Reverse Shackle Becket	233	366	350
06 430	16 430	Fiddle Swivel	210	357	346
06 431	16 431	Fiddle Swivel Becket	235	388	358
06 440	16 440	Fiddle Snap Shackle	220	417	407
06 441	16 441	Fiddle Snap Shackle Becket	250	450	437
06 480	16 480	Fiddle Variloc	205	356	335
06 481	16 481	Fiddle Variloc Becket	232	383	362
CAMCLEAT BLOCKS					
06 631	16 631	Fiddle Swivel Becket Cam	232	575	554
06 641	16 641	Fiddle Snap Becket Cam	245	639	618
06 681	16 681	Fiddle Variloc Becket Cam	235	575	557
06 930	16 930	Triple Swivel Cam	170	856	832
06 931	16 931	Triple Swivel Becket Cam	193	886	862

Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.



Size 7 Blocks

- **Sheave Size**
Single: 70mm x 20mm (2³/₄" x 3³/₄")
Fiddle: 44mm/70mm x 20mm (1³/₄"/2³/₄" x 3³/₄")
- **Max Rope Dia: 14mm (9/16")**
- **Break Load: 2500kg (5500lb)**
- **SWL: 1250kg (2750lb)**
- **Max Rolling Load (Ball Blocks): 875kg**

ALL WITH PLAIN OR BALL BEARING SHEAVES

This range of high load cruiser blocks are of a rugged construction featuring high quality injection moulded side plates with all load carrying components from 316 grade stainless steel. Side plates are through bolted and riveted for added strength and security. This good looking and versatile range is designed for use on larger cruising and racing yachts. All are designed for ease of use with our Ball Bearing Mainsheet Traveller Systems detailed on pages 22 to 27.

A comprehensive range of Camcleat, Fiddle and Fiddle & Camcleat versions are also included.

Ball Bearing Blocks

With our unique super low friction Ball Race System featuring Acetal Sheaves with Delrin ball bearings running on a large diameter centre boss. This allows us to fit more load bearing balls which ensure extremely low friction performance even under high loads.

Plain Bearing Blocks

Have a precision moulded Acetal Sheave running a large diameter stainless steel centre bearing ensuring free running under extremely high loadings.

Fixed Eye

Has a plain attachment eye.

Swivel

Solid stainless steel swivel eye through a solid trunion assembly through bolted to the block is capable of operation under the highest loads. A forged stainless steel screw pin shackle is also fitted.



Becket



Reverse Shackle



Fixed Eye



Swivel



Snap Shackle



Variloc



Plain Bearing



Ball Bearings

Available with
these Heads
& Bearings



Variloc Multi Head

Allows swivel to be locked at 30 degree positions in relation to sheave. Inverting the plastic locking piece converts to swivel mode. Supplied with screw pin strip shackle.

Reverse Shackle

Removable shackle can be set in line or at 90 degrees to the sheave.

Snap Shackle

Has a cast stainless steel swivelling snap shackle. Ideal for use as quick release downhauls or vang tackles.

Stand Up

Features a flexible plastic spring for anti tumble action. Base Dia: 67mm. Fastening Dia: 6mm.

Camcleat Blocks

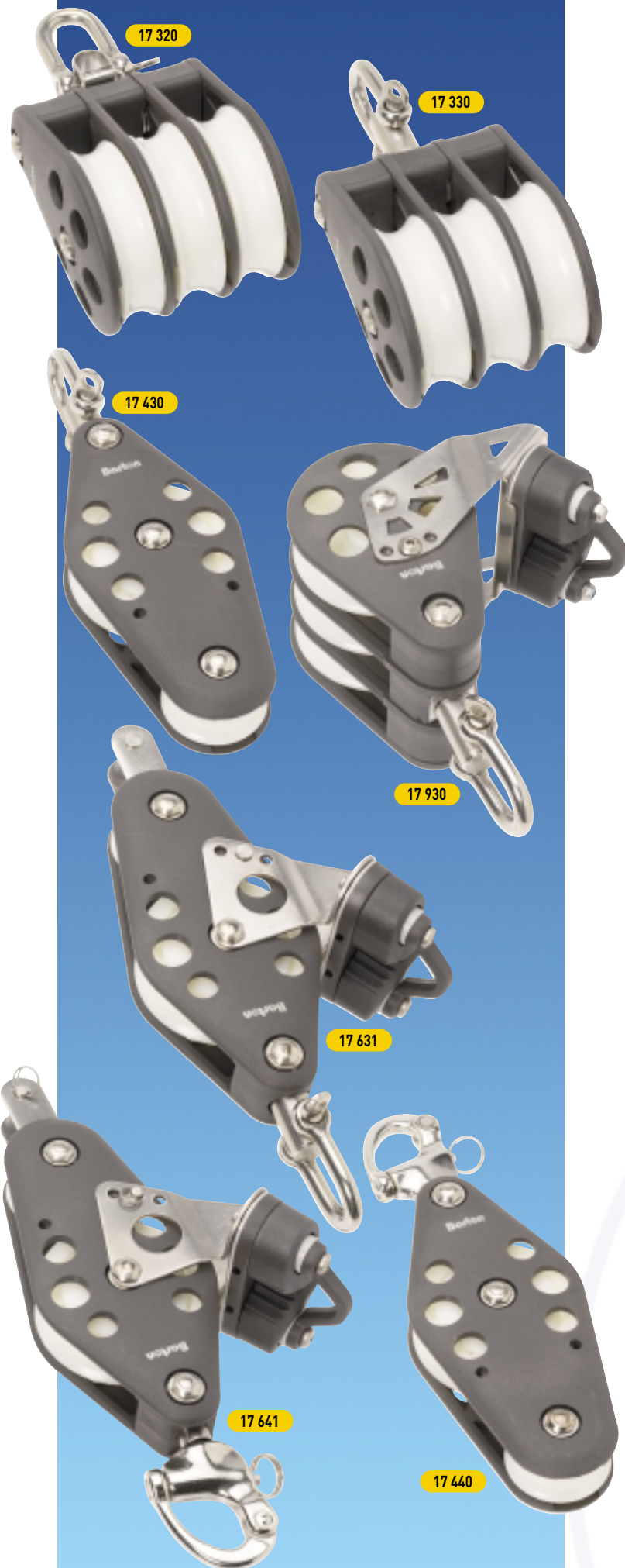
Fitted with Kevlar 'K' Cams (unless otherwise stated). Stainless steel cam arms are fully adjustable by moving the locking clevis pin to achieve the correct cleating angle. This range of blocks used in conjunction with relevant fiddles are particularly useful for use as mainsheet, vang tackles or powerful downhauls.

Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded as in a purchase tackle. Uneven loading or loading of one sheave in a double or triple block will severely affect strength quoted.

If unsure please seek further advice.

Maximum rolling load on ball bearing blocks is the maximum free running load before ball bearings will distort.



Part Number	Ball	Block	Lgth	Wgt	gms
Plain	Sheave	Type	mm	Plain	Ball
Sheave					
SINGLE BLOCKS					
07 110	17 110	Single Fixed Eye	137	246	237
07 111	17 111	Single Fixed Eye Becket	166	282	271
07 120	17 120	Single Reverse Shackle	168	308	299
07 121	17 121	Single Reverse Shackle Becket	195	343	337
07 130	17 130	Single Swivel	163	354	345
07 131	17 131	Single Swivel Becket	197	389	382
07 140	17 140	Single Snap Shackle	168	359	350
07 141	17 141	Single Snap Shackle Becket	200	394	385
07 170	17 170	Stand Up Block	162	444	439
07 171	17 171	Stand Up Block Becket	191	480	471
07 180	17 180	Single Variloc	163	328	317
07 181	17 181	Single Variloc Becket	192	364	348
DOUBLE BLOCKS					
07 220	17 220	Double Reverse Shackle	160	461	448
07 221	17 221	Double Reverse Shackle Becket	195	491	484
TRIPLE BLOCKS					
07 320	17 320	Triple Reverse Shackle	165	616	604
07 321	17 321	Triple Reverse Shackle Becket	199	646	637
07 330	17 330	Triple Swivel	163	734	725
07 331	17 331	Triple Swivel Becket	192	770	761
FIDDLE BLOCKS					
07 420	17 420	Fiddle Reverse Shackle	220	398	390
07 421	17 421	Fiddle Reverse Shackle Becket	252	428	410
07 430	17 430	Fiddle Swivel	220	449	406
07 431	17 431	Fiddle Swivel Becket	248	470	361
07 440	17 440	Fiddle Snap Shackle	222	448	431
07 441	17 441	Fiddle Snap Shackle Becket	253	488	461
07 480	17 480	Fiddle Variloc	220	417	405
07 481	17 481	Fiddle Variloc Becket	249	439	430
CAMCLEAT BLOCKS					
07 631	17 631	Fiddle Swivel Becket Cam	248	660	651
07 641	17 641	Fiddle Snap Becket Cam	250	668	644
07 681	17 681	Fiddle Variloc Becket Cam	245	637	628
07 930	17 930	Triple Swivel Cam	163	770	761
07 931	17 931	Triple Swivel Becket Cam	192	806	797



Stainless Steel Blocks Plain or Ball Bearing

Three sizes for lines up to 10mm dia.

This robust range of stainless steel blocks have a multitude of uses on all types of sailing boats.

Highly polished side plates with flared cheeks prevent the possibility of chafing the line whilst giving added strength.

A range of jamming blocks is also available and these give the ability to make up strong powerful compact and lightweight tackles.

These are ideal for use on dinghies and dayboats for kicking straps or wherever a compact and powerful rope tackle is required.

Now supplied with our new profile natural white sheaves and available in plain or ball bearing options.

Specifications

STAINLESS BLOCKS	SIZE 1	SIZE 2	SIZE 3
Sheave Dia:	30mm	35mm	45mm
Sheave Width:	11mm	11mm	13mm
Max Rope Dia:	8mm	8mm	10mm
Break Load:	560kg	800kg	800kg
SWL	280kg	400kg	400kg
Max Rolling Load (Ball Sheave)	200kg	280kg	280kg



Part Number	Plain Sheave	Ball Sheave	Block Type	Lgth mm	Wgt Plain	gms Ball
BLOCKS SINGLE SIZE 1						
95 100		95 400	Single	50	34	32
95 101		95 401	Single & Becket	67	45	43
95 102		95 402	Single Fixed Eye	68	39	37
95 103		95 403	Single Fixed Eye & Becket	85	48	46
95 104		95 404	Single Swivel	86	53	51
95 105		95 405	Single Swivel & Becket	100	63	61
BLOCKS DOUBLE SIZE 1						
95 120		95 420	Double Fixed Eye	68	60	54
95 121		95 421	Double Fixed Eye & becket	85	70	66
95 122		95 422	Double Swivel	83	76	72
95 123		95 423	Double Swivel & Becket	100	86	82
BLOCKS TRIPLE SIZE 1						
95 130		95 430	Triple Fixed Eye	68	82	76
95 137		95 437	Triple Fixed Eye & Becket	85	93	87
95 138		95 438	Triple Swivel	83	99	93
95 139		95 439	Triple Swivel & Becket	100	109	103
JAMMING BLOCKS SIZE 1						
95 131		95 431	Single & Becket Jamming	100	95	93
95 132		95 432	Double & Becket Jamming	100	117	113
95 133		95 433	Triple & Becket Jamming	100	140	134
BLOCKS SINGLE SIZE 2						
95 200		95 500	Single	61	45	45
95 201		95 501	Single & Becket	84	60	60
95 202		95 502	Single Fixed Eye	76	48	48
95 203		95 503	Single Fixed Eye & Becket	99	63	63
95 204		95 504	Single Swivel	96	63	63
95 205		95 505	Single Swivel & Becket	119	79	79
BLOCKS DOUBLE SIZE 2						
95 220		95 520	Double Fixed Eye	76	77	77
95 221		95 521	Double Fixed Eye & becket	98	92	92
95 222		95 522	Double Swivel	95	92	92
95 223		95 523	Double Swivel & Becket	116	107	107
BLOCKS TRIPLE SIZE 2						
95 230		95 530	Triple Fixed Eye	75	105	105
95 231		95 531	Triple Fixed Eye & Becket	97	120	120
95 232		95 532	Triple Swivel	97	121	121
95 233		95 533	Triple Swivel & Becket	117	136	136
BLOCKS SINGLE SIZE 3						
95 300		95 600	Single	80	61	64
95 301		95 601	Single & Becket	112	80	83
95 302		95 602	Single Fixed Eye	93	71	74
95 303		95 603	Single Fixed Eye & Becket	124	94	97
95 304		95 604	Single Swivel	107	87	90
95 305		95 605	Single Swivel & Becket	139	107	110
BLOCKS DOUBLE SIZE 3						
95 320		95 620	Double Fixed Eye	93	112	118
95 321		95 621	Double Fixed Eye & becket	124	136	142
95 322		95 622	Double Swivel	107	129	135
95 323		95 623	Double Swivel & Becket	139	149	155
BLOCKS TRIPLE SIZE 3						
95 330		95 630	Triple Fixed Eye	93	153	162
95 331		95 631	Triple Fixed Eye & Becket	124	185	194
95 332		95 632	Triple Swivel	167	135	144
95 333		95 633	Triple Swivel & Becket	139	167	176

Wire Rope Blocks

Aluminium High Load Blocks

Here is a range of high strength blocks designed for use with wire ropes or in exceptionally rugged conditions.

Cheeks are manufactured from Marine Grade Aluminium 'Spectro' grey anodised for high UV resistance and durability.

Sheaves are precision turned from solid aluminium bar silver anodised and running on nylon bearings to reduce friction under load.

Reinforcing plates, rivets and shackle straps are all from 316 stainless steel.

Cheek Block Dimensions

91 650 Fastening Dia: 5mm. Base size: 103 x 53mm

91 750 Fastening Dia: 6mm. Base size: 120 x 65mm

Important Note:

To ensure maximum strength and load capabilities fastenings must pass through hollow centre rivets of cheek blocks.

Upright Blocks

Have heavy duty 316 stainless steel side plates. Sheaves are precision turned from solid aluminium bar silver anodised and running on nylon bearings to reduce friction under load.

Upright Block Dimensions

91 400 Fastening Dia: 5mm. Base size: 38mm x 45mm

91 500 Fastening Dia: 6mm. Base size: 51mm x 55mm

Brass Sheave Blocks

A simple lead block with turned brass sheave and stainless steel fixed eye strap.

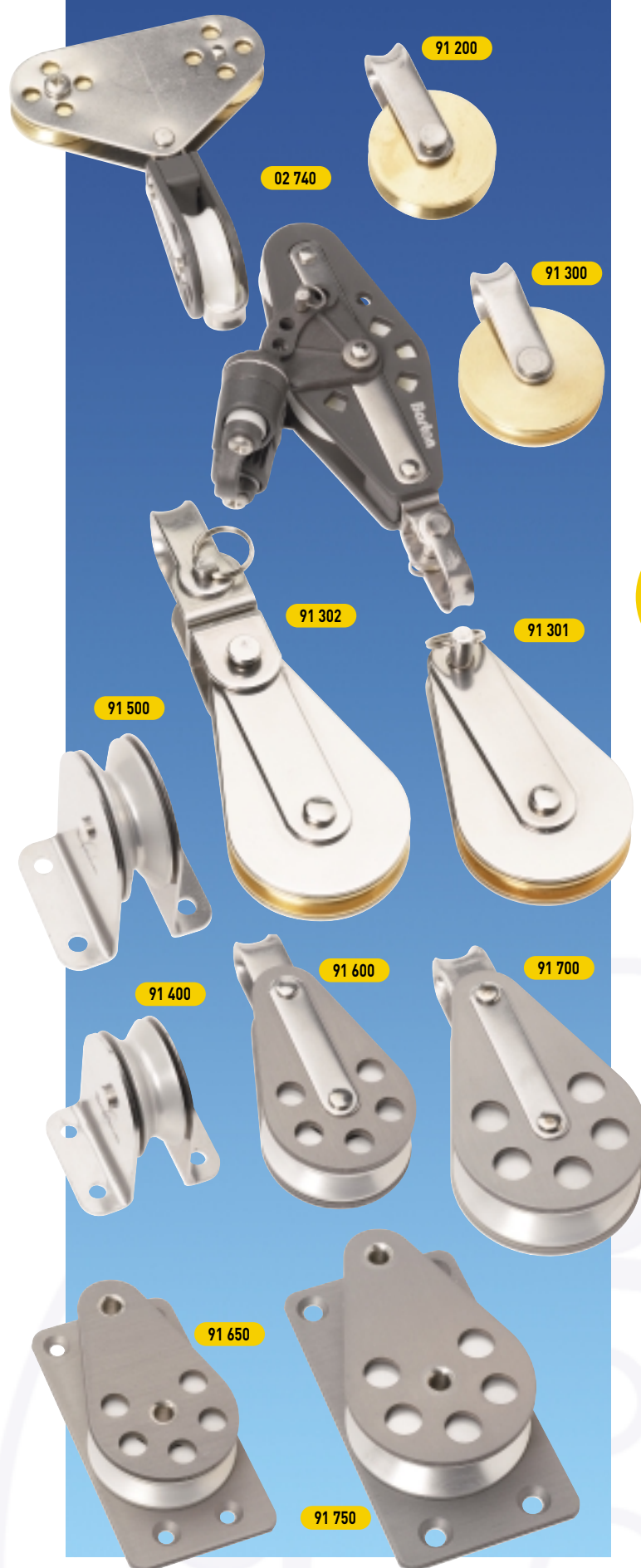
High Load Wire Rope Block

Available in fixed eye or swivel head. Cheeks are manufactured from 316 stainless steel and sheaves are precision turned from solid brass bar running on a stainless centre bush.

Backstay tensioner system

This block and tackle system is designed for use on split or twin backstays. Features stainless steel double block with brass sheaves together with tensioning blocks from our size 2 range.

Part Number		Sheave Dia	Sheave Width	Rope Dia	Wire Dia	Break Kg	SWL Kg	Weight Grm
ALUMINIUM BLOCKS								
91 600	Single Fixed Eye	51	15	12	4	1750	875	155
91 700	Single Fixed Eye	63	18	16	5	3000	1500	248
91 650	Cheek	51	15	12	4	-	-	141
91 750	Cheek	63	18	16	5	-	-	227
BRASS SHEAVE BLOCKS								
91 200	Single Fixed Eye	35	8	4	4	400	200	67
91 300	Single Fixed Eye	45	8	5	5	750	375	106
UPRIGHT BLOCKS								
91 400	Upright Block	38	12	8	4	-	-	92
91 500	Upright Block	51	15	12	5	-	-	160
HIGH LOAD WIRE ROPE BLOCKS								
91 301	Fixed Eye	45	8	5	5	1300	650	163
91 302	Swivel Eye	45	8	5	5	1300	650	212
BACKSTAY TENSIONER								
02 740	Backstay Tensioner	35	8	-	8	780	390	400



Important Note: Break Loads

Where break and safe working loads are stated, it assumes that all sheaves are evenly loaded with a straight lead. Loads are not given for cheek blocks or upright blocks as this is dependant on fastenings used.

Snatch Blocks

Four sizes accepting lines up to 16mm (5/8")

A comprehensive range of Snatch Blocks of extremely rugged construction and featuring a choice of shackle.

Lightweight Snatch Blocks

Are designed for use on dinghies, dayboats and light cruising yachts where a high load capacity is not a requirement. Pivoting side opening action allows for ease of entry for sheets and lines.

Supplied with a choice of either stainless steel Snap Shackle or stainless 'D' Shackle.

Small Snatch Blocks

Unique to Barton, these are probably the smallest block of this type available. Extremely compact and strong with a multitude of uses on cruising and racing yachts where a large heavy unit is not required.

Supplied with choice of either stainless steel Snap Shackle or chrome bronze Snap Shackle.

Medium Snatch Blocks

Our ever popular range of Snatch Blocks. Easy open/close action high quality rugged construction. Still the best value Snatch Block available.

Supplied with choice of either stainless steel Snap Shackle, chrome bronze Snap Shackle or stainless steel 'D' Shackle.

Important Note:

When using Snatch Blocks on toe rails, a bungee line should be attached to the becket to prevent the block 'tumbling' and causing damage by snagging.

Part Number		Sheave Dia	Sheave Width	Rope Dia	Break Kg	SWL Kg	Weight Grm	Lngh mm
LIGHTWEIGHT SNATCH BLOCKS								
90 100	Stainless 'D' Shackle	45	13	10	770	385	148	120
90 101	Stainless Snap	45	13	10	770	385	180	145
90 200	Stainless 'D' Shackle	57	16	12	920	460	227	155
90 201	Stainless Snap	57	16	12	920	460	298	178
SMALL SNATCH BLOCKS								
90 300	Bronze Snap	35	17	12	900	450	203	120
90 301	Stainless Snap	35	17	12	1080	540	170	110
MEDIUM SNATCH BLOCKS								
90 400	Bronze Snap	48	20	16	1920	960	422	429
90 401	Stainless Snap	48	20	16	2350	1175	378	362
90 402	Stainless 'D' Shackle	48	20	16	2770	1385	316	370



High Load Blocks & Foot Blocks

High Load Blocks

Manufactured from marine grade aluminium and 'Spectro' grey anodised for high UV stability and durability.

Sheaves are precision turned from solid 'Ertalylite' bar with a profile that is kind to modern ropes. Running on a large diameter centre bearing for easy running under high loadings.

Fitted with a stainless steel Bow Shackle to allow for snag free operation.

The bolt together construction not only adds to the good looks, but allows for easy dismantling should servicing become necessary.

Available in three sizes, these blocks are also compatible with the toggle connections on our mainsheet travellers detailed on pages 22 to 27.

Foot Blocks

Feature the same side plate and sheave construction of our High Load Blocks described above.

Hollow stainless steel rivets allow for through bolt fastening giving added strength. A further advantage is that these blocks can be easily stacked to achieve double block capabilities.

Note: Stacking blocks to achieve doubles will reduce working loads.

Fastenings of the minimum diameter suggested should be used to gain full load capability.

Ensure that suitable mounting pads are provided under deck.

Foot Blocks With Cam

Available in two sizes with specifications to our new foot block range detailed above. These have a multitude of uses especially for locking control lines on headsail furling systems.

Part Number		Sheave Dia	Sheave Width	Rope Dia	Break Kg	SWL Kg	Length Mm	Weight Grm
HIGH LOAD BLOCKS								
82 100	High Load Block	50	15	12	1000	500	116	146
82 200	High Load Block	65	18	16	1600	800	142	267
82 300	High Load Block	85	21	18	3000	1500	185	551
FOOT BLOCKS								
82 995	Foot Block	50	15	12	1000	500	79	114
82 996	Foot Block	65	18	16	1600	800	100	211
82 997	Foot Block	85	21	18	3000	1500	132	427
FOOT BLOCKS WITH CAMS								
82 998	Foot Block/Cam	50	15	12	1000	500	84	130
82 999	Foot Block/Cam	65	18	16	1600	800	105	230

Important Note:

Max holding power of Cams: Size 1 250kg. Size 2 300kg



Ball Bearing Mainsheet & Genoa Car Systems

A unique and totally new way to select the best Traveller & Genoa Car System to suit your boat and personal requirements.

Barton Travellers can now be easily built up from modular components to give a wide variety of control line purchase either cleated on track end, traveller or remotely.

The following pages clearly explain how to make up your individual system.

- **Three Sizes for Yachts up to 14 Mtrs**
- **Single or Double Take off Versions**
- **Shackle or Toggle Take Off**
- **Multiple Control Line Purchase (2:1, 3:1 & 4:1)**
- **Cleating on End Fitting or Car**
- **Towable Genoa Cars**
- **Torlon Ball Option**
- **Three Track Options**

A truly low friction system, realistically priced and designed for use on both cruising and racing yachts. Aesthetic design, clean lines, high tech materials and finishes all go to make this range of Traveller Cars a functional and practical enhancement to any sailboat. Packed with features and with our new unique modular components, you can achieve a wide and comprehensive variety of control line options to suit the layout of your boat.

Travellers

Travellers, End Fittings and Tracks are all extruded from top quality marine grade aluminium and finished in our unique 'Spectro' grey anodised finish.

Control Line Sheaves

In size 2 & 3 feature our low friction large diameter ball bearing sheave system.

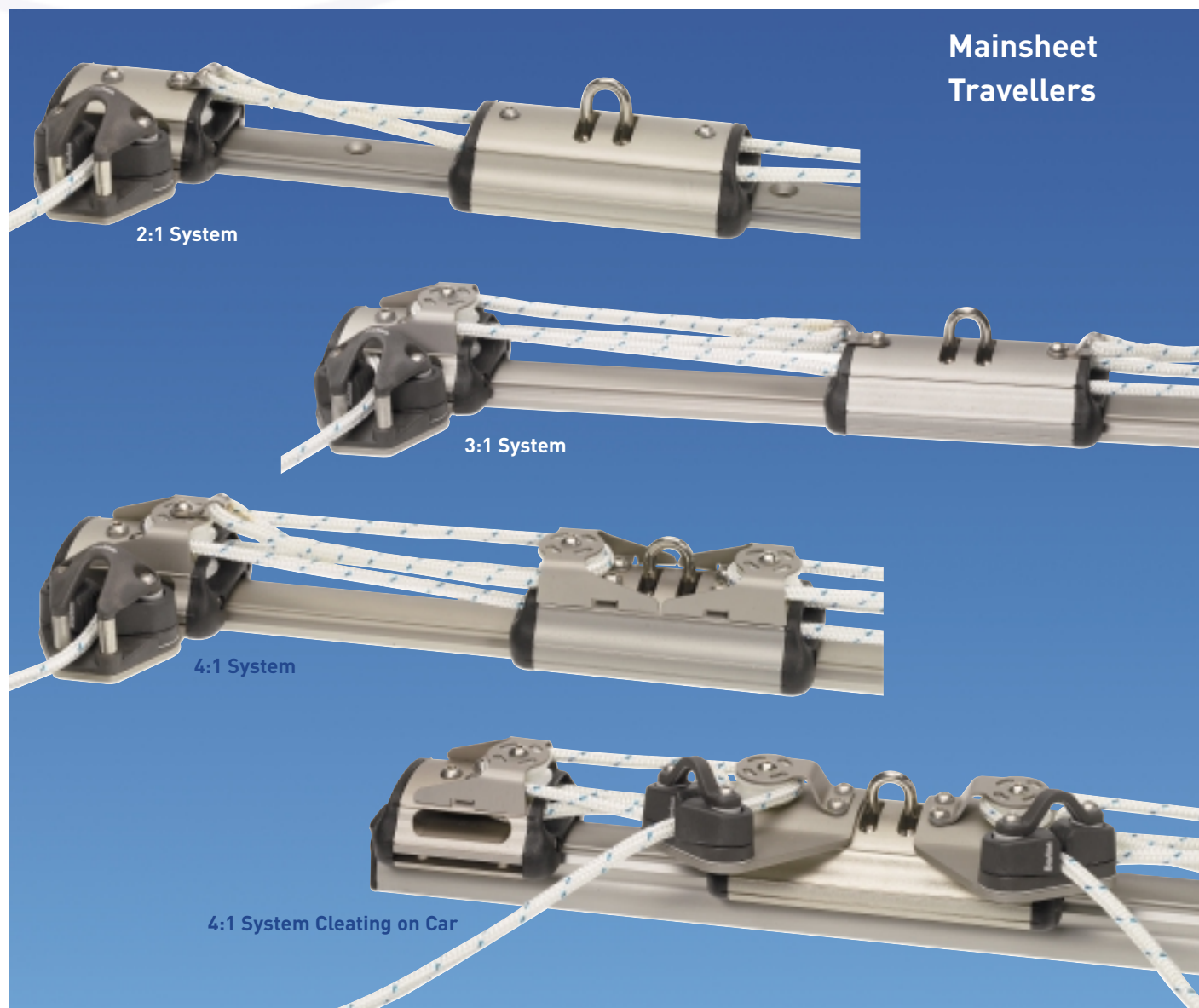
Cam Cleats

From our Kevlar 'K' Cam range.

Shackle Take Off

Features a high load forged stainless steel pivoting shackle.

Mainsheet Travellers



Genoa Cars

4:1 System

2:1 System

Toggle Take Off

Features a solid cast stainless steel toggle upstand with a soft rubber anti-tumble bearing fitted, preventing damage when blocks are not under load.

They accept the swivel post from our cruiser blocks and help achieve a truly low profile system.

Standard Travellers

These run on precision ground delrin balls. However a Torlon Ball package is offered where higher load applications are required. Torlon Balls give up to 40% more load bearing capacity.

Double Take Off Travellers

With either shackle or toggle attachments, these allow for Coarse/Fine tune mainsheet systems to be achieved. They can also be used with a link plate to allow for increased rolling load with the longer car.

All end fittings feature a soft rubberised moulded cap designed to withstand high impact without causing damage.

Genoa Cars

Are available in three sizes and 2:1, 3:1 & 4:1 options can be achieved. All run on the three track profiles available.

All feature a precision turned Ertalylte sheave running on a large diameter centre bearing. The bolt through sheave design adds not only good looks, but gives added strength to this extremely rugged unit.

Torlon Balls

A Torlon Ball package is available for high load applications. These are available for long or short cars in all sizes.

When selecting which system will suit your requirements, ask the following questions:

1. Size of boat
2. Control line purchase (2:1, 3:1, or 4:1)
3. Shackle or Toggle Take Off
4. Single or Double Take Off
5. Cleating on Car, End Fittings or remote
6. End fitting Cleats Straight or Angled

With this information you are ready to make a selection.

Guide To Choice of Size:

- Size 1 for yachts up to 8.5 mtrs (28.5ft)
Size 2 for yachts up to 11.0 mtrs (36.0ft)
Size 3 for yachts up to 14.0 mtrs (46.0ft)

Important note:

Suggested boat sizes are given as a guidance only and assume a monohull with boom end sheeting loaded vertically to the traveller.

Mid boom sheeting, severely angled take offs and curved tracks can impose greater loads and suitable allowances should be made for this. If at all unsure of your choice it is important to seek further advice.

If you are close to the maximum boat size suggested, we would advise upgrading to a torlon package, long car or the next size up.

Technical details

TRAVELLERS

	Size 1	Size 2	Size 3
Length Single Take Off mm	132	166	198
Weight Single Take Off gms	252	547	872
Length Double Take Off mm	204	254	292
Weight Double Take Off gms	411	923	1378
Width mm	57	70	87
Width with Control Line Cleats mm	98	120	130
Height 2:1 mm	30	44	47
Height 4:1 mm	43	57	65
SWL kgs	500	700	1000
Max Control Line mm	6	8	8

GENOA CARS

Length mm	118	145	170
Weight gms	400	775	1181
Width mm	57	70	87
Height mm	97	116	133
SWL kgs	500	700	1000
Sheave Dia mm	50	60	70
Sheave Width mm	36	36	45

END FITTINGS

Length mm	67	88	96
Weight gms	117	234	362
Width mm	59	72	85
Width with Control Line Cleats mm	100	127	137
Height 2:1 mm	39	50	60
Height 4:1 mm	50	65	74
Max Control Line mm	6	8	8

CONTROL LINE SHEAVE CAGE

Length mm	41	52	65
Weight gms	15	27	42
Width mm	38	49	57
Sheave Dia mm	20	30	35
Max Control Line mm	6	8	8

Modular Components

Available to allow you to build the system of your choice and suitability (see pages 26, 27 and 28 for combinations available):



Traveller Car with Shackle Take Off and Internal Control Line Sheaves

Size 1	Size 2	Size 3
20 101	24 101	30 101

Traveller Car with Double Shackle Take Off and Internal Control Line Sheaves

Size 1	Size 2	Size 3
20 103	24 103	30 103

Traveller Car with Toggle Take Off and Internal Control Line Sheaves

Size 1	Size 2	Size 3
20 105	24 105	30 105



Traveller Car with Double Toggle Take Off and Internal Control Line Sheaves

Size 1	Size 2	Size 3
20 107	24 107	30 107

Track End Fitting with Integral Sheaves
Supplied in pairs

Size 1	Size 2	Size 3
20 110	24 110	30 110

Genoa Car
Comprises of:

Size 1	Size 2	Size 3
20 300	24 300	30 300

End Fitting with Cleat at 90° to Track
Supplied in pairs

Size 1	Size 2	Size 3
20 113	24 113	30 113

End Fitting with Cleat at 70° Angle to Track
Supplied in pairs

Size 1	Size 2	Size 3
20 114	24 114	30 114



Traveller Cleat Plate Assembly
Supplied in pairs

Size 1	Size 2	Size 3
20 117	24 117	30 117

Control Line Block Assemblies for use on Travellers & End Fittings
Supplied in pairs

Size 1	Size 2	Size 3
20 112	24 112	30 112

Tracks

Tracks

These are of a hollow section extruded aluminium for light weight whilst retaining a high load capacity. The 'Spectro' grey anodised finish is extremely durable and adds to the friction free performance of these products.

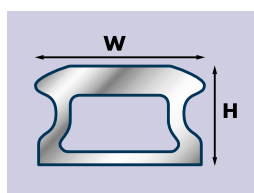
Tracks are available per meter or part or in set lengths as shown in the table below.

Three types of track are available as follows:

Drilled Tracks

The most commonly used, they are drilled and countersunk at 100mm centres with the first hole at 50mm in from track end.

Technical details	Size 1	Size 2	Size 3
Width	20mm	26mm	30mm
Height	12mm	15mm	18mm
Fastening	5mm	6mm	8mm

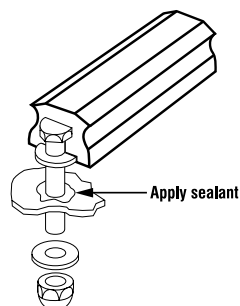
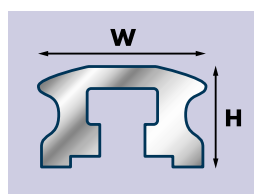


Sliding Bolt Tracks

Allow for a smooth clean profile with no visible fastenings. Also makes retro fitting an easier job as bolts can be slid along the extrusion to match existing fastening holes.

Ensure washers are fitted beneath track to ensure a secure seal. See diagram.

Technical details	Size 1	Size 2	Size 3
Width	20mm	26mm	30mm
Height	14mm	16.5mm	19mm
Fastening	5mm	6mm	8mm

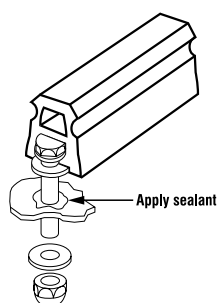
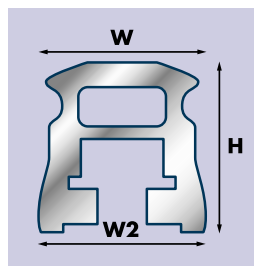


Beam Tracks

Use beam track when spanning cockpits or companionway hatches where an unsupported length is required. A minimum of three fastenings should always be used on either side of the unsupported length. Place fasteners at 100mm centres in supported sections.

Ensure that washers are fitted under the head of the bolt and between track and deck to ensure a secure seal. See diagram.

Technical details	Size 1	Size 2	Size 3
Max Unsupported Length	400mm	700mm	800mm
Width : W	20mm	26mm	30mm
Width : W2	26mm	34mm	40mm
Height	27mm	34.5mm	40.5mm
Fastening	6mm	8mm	10mm



Curved Tracks

Some curving of tracks can be accommodated depending on which car is selected. Please contact us for further advice.

Standard Track Lengths DRILLED TRACKS

	Size 1	Size 2	Size 3
Per meter	20 000	24 000	30 000
0.6 meter	20 010	24 010	30 010
1.2 meter	20 020	24 020	30 020
1.8 meter	20 030	24 030	30 030
2.4 meter	20 040	24 040	30 040
3.0 meter	20 050	24 050	30 050
5.0 meter	20 060	24 060	30 060
End Cap (pr)	20 001	24 001	30 001

SLIDING BOLT TRACKS

	Size 1	Size 2	Size 3
Per meter	20 002	24 002	30 002
0.6 meter	20 012	24 012	30 012
1.2 meter	20 022	24 022	30 022
1.8 meter	20 032	24 032	30 032
2.4 meter	20 042	24 042	30 042
3.0 meter	20 052	24 052	30 052
5.0 meter	20 062	24 062	30 062
End Cap (pr)	20 001	24 001	30 001

BEAM TRACKS

	Size 1	Size 2	Size 3
Per meter	20 003	24 003	30 003
0.6 meter	20 013	24 013	30 013
1.2 meter	20 023	24 023	30 023
1.8 meter	20 033	24 033	30 033
2.4 meter	20 043	24 043	30 043
3.0 meter	20 053	24 053	30 053
5.0 meter	20 063	24 063	30 063
End Cap (pr)	20 100	24 100	30 100



Single Take Off Traveller Cars

Our unique modular system allows for a wide variety of systems to be achieved giving multiple control line options. The following lists part numbers required to build each Traveller shown



Traveller Car - Single Shackle Take Off

2:1 or 3:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 101	24 101	30 101

Traveller Car - Single Toggle Take Off

2:1 or 3:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 105	24 105	30 105

Traveller Car - Single Shackle Take Off

4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 101	24 101	30 101
20 112	24 112	30 112



Traveller Car - Single Toggle Take Off

4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 105	24 105	30 105
20 112	24 112	30 112

Traveller Car with Cleat - Single Shackle Take Off

4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 101	24 101	30 101
20 117	24 117	30 117

Traveller Car with Cleats Single Toggle Take Off

4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 105	24 105	30 105
20 117	24 117	30 117



Genoa Car

2:1 or 3:1

Comprises of:

Size 1	Size 2	Size 3
20 300	24 300	30 300

Genoa Car

4:1

Comprises of:

Size 1	Size 2	Size 3
20 300	24 300	30 300
20 112	24 112	30 112

Double Take Off Traveller Cars

For two coarse/fine tune mainsheet systems. For high load applications use with link plate shown on page 28



Traveller Car - Double Shackle Take Off

2:1 or 3:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 103	24 103	30 103

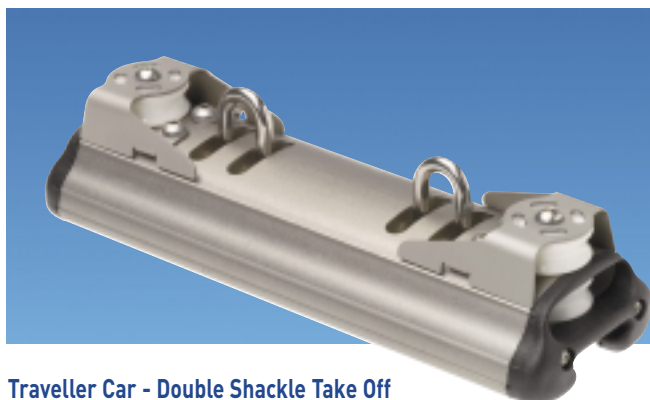


Traveller Car - Double Toggle Take Off

2:1 or 3:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 107	24 107	30 107



Traveller Car - Double Shackle Take Off

4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 103	24 103	30 103
20 112	24 112	30 112



Traveller Car - Double Toggle Take Off

4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 107	24 107	30 107
20 112	24 112	30 112



Traveller Car with Cleats - Double

Shackle Take Off 4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 103	24 103	30 103
20 117	24 117	30 117



Traveller Car with Cleats Double Toggle

Take Off 4:1 purchase

Comprises of:

Size 1	Size 2	Size 3
20 107	24 107	30 107
20 117	24 117	30 117

End Fittings

The following lists part numbers required to build each part shown



End Fitting

2:1 or 3:1 purchase
Comprises of:

Size 1	Size 2	Size 3
20 110	24 110	30 110



End Fitting

4:1 purchase
Comprises of:

Size 1	Size 2	Size 3
20 110	24 110	30 110
20 112	24 112	30 112



End Fitting with Cleat at 90°

2:1 or 3:1 purchase
Comprises of:

Size 1	Size 2	Size 3
20 110	24 110	30 110
20 113	24 113	30 113



End Fitting with Cleat at 90°

4:1 purchase
Comprises of:

Size 1	Size 2	Size 3
20 110	24 110	30 110
20 113	24 113	30 113
20 112	24 112	30 112



End Fitting with Cleat at 70°

2:1 or 3:1 purchase
Comprises of:

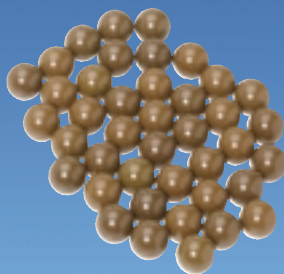
Size 1	Size 2	Size 3
20 110	24 110	30 110
20 114	24 114	30 114



End Fitting with Cleat at 70°

4:1 purchase
Comprises of:

Size 1	Size 2	Size 3
20 110	24 110	30 110
20 112	24 112	30 112
20 114	24 114	30 114



Torlon Balls

Torlon Ball Packages available for all traveller sizes:

Size 1		Size 2		Size 3	
Short	Long	Short	Long	Short	Long
20 200	20 201	24 200	24 201	30 200	30 201



Link Plate

Link Plate for Long Car Toggle take Off.
Heavy duty stainless plate spans toggles for heavy duty applications:

Size 1	Size 2	Size 3
20 202	24 202	30 202

Travellers for yachts up to 7.3m (24ft) LOA

A comprehensive range of traveller systems suitable for use on dinghies, dayboats and light cruising yachts.

Also ideal for use as self tacking jib systems on larger yachts and catamarans.

All are manufactured from marine grade aluminium and stainless steel. Black anodised for good looks and durability.

- **Stainless Steel Captive Bearing Ball Race Wheels**
- **Rugged lightweight 'I' Beam Track Section**
- **Various Control Line options**
- **Camcleat versions feature K Cam Kevlar Cleats**

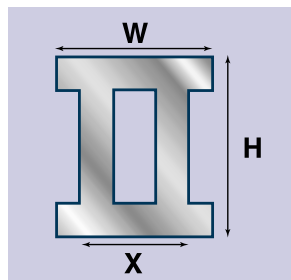
'I' Section Track

Extruded with a hollow section for light weight and a high load capacity. Drilled for fastenings and plunger stops. Silver anodised.

Supplied in metric lengths as shown in the table.

Specifications TRACK DIMENSIONS

Height H	24mm
Width W	19mm
Width X	11mm
Fastening Dia	5mm
Fastening Centres	100mm
Plunger Centres	50mm
Weight	479gms per mtr



Track can be custom curved to special requirements. Please enclose a detailed drawing when ordering giving all dimensions of curvature.

Part Number	Type	End Fitting	Length mm	Width mm	Break Load Kg	SWL Kg	Weight Grm
TRAVELLER CARS							
19 100	4 Wheels Plain	460PS	52	38	1200	600	127
19 101	4 Wheels, Control Line Eyes	460ES	52	38	1200	600	136
19 102	4 Wheels, Control Line Sheaves	460ES	52	38	1000	500	152
19 103	4 Wheel Control Cleats & Sheaves	460ES	122	75	1000	500	339
19 105	6 Wheels Control Line Sheaves	460ES	85	38	2240	1120	284

Part Number	Type	Length mm	Width mm	Weight Grm
TRACK END FITTINGS (SUPPLIED IN PAIRS)				
19 900	Adjustable Plunger Stops	38	29	83
19 901	Plastic Track End			16
19 902	End Fitting Horizontal Sheave	45	22	44

Part Number	Length meter
'I' BEAM TRACK 19MM	
19 000	Per meter
19 010	0.6
19 020	1.2
19 030	1.8
19 040	2.4
19 050	3.0
19 060	5.0

Important Note

Suggested boat sizes are given as guidance only and assume a monohull with boom end sheeting leading vertically to the traveller.

Mid boom sheeting or severely angled take offs impose greater loads, allowances should be made for this.



Travellers for yachts up to 10.5m (35ft) LOA



A mid range of traveller systems for use on yachts up to 10.5m L.O.A. All feature heavy duty take off attachments and control line blocks where fitted have low friction ball bearing sheaves accepting lines up to 8mm diameter.

End fittings slide snugly on to track and are easily secured by track fastening bolts.

- **Stainless Steel Captive Bearing Ball Race Wheels**
- **Four and Six Wheel options**
- **Rugged lightweight 'I' Beam Track Section**
- **End Fittings give varied Control Line options**
- **Camcleat versions feature K Cam Kevlar Cleat**
- **Ball Bearing Control Line Blocks**

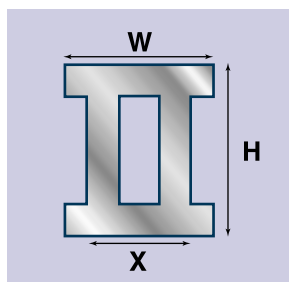
'I' Section Track

Extruded with a hollow section for lightweight and a high load capacity. Drilled for fastenings and plunger stops. Silver anodised.

Supplied in metric lengths as shown in the table.

Specifications TRACK DIMENSIONS

Height H	28mm
Width W	24mm
Width X	16mm
Fastening Dia	5mm
Fastening Centres	100mm
Plunger Centres	50mm
Weight	721gms per mtr



Track can be custom curved to special requirements. Please enclose a detailed drawing when ordering giving all dimensions of curvature.

Part Number	Type	End Fitting	Length mm	Width mm	Break Load Kg	SWL Kg	Weight Grm
-------------	------	-------------	-----------	----------	---------------	--------	------------

TRAVELLER CARS

26 101	4 Wheels Plain	26 900	69	47	2560	1280	257
26 102	4 Wheels, Control Line Sheaves	26 110	69	47	2560	1280	287
26 103	6 Wheels, Control Blocks 2:1 Purchase	26 110 & 26 902	226	47	3000	1500	560
26 104	6 Wheel Control Blocks 3:1 Purchase	26 111 & 26 902	245	47	3000	1500	566

Part Number	Type	Length mm	Width mm	Weight Grm
-------------	------	-----------	----------	------------

TRACK END FITTINGS (SUPPLIED IN PAIRS)

26 110	End fitting with sheave & cleat	90	75	412
26 111	End fitting with double sheave & cleat	90	75	96
26 900	Adjustable plunger stop	32	30	64
26 901	Plastic track end			20
26 902	Crash stop	32	30	36

Part Number	Length meter
'I' BEAM TRACK 26MM	

26 000	Per meter
26 010	0.6
26 020	1.2
26 030	1.8
26 040	2.4
26 050	3.0
26 060	5.0

Important Note

Suggested boat sizes are given as guidance only and assume a monohull with boom end sheeting leading vertically to the traveller.

Mid boom sheeting or severely angled take offs impose greater loads, allowances should be made for this.

Crash stops should be used to prevent cars damaging track and end fittings.

Travellers for yachts up to 15m (50ft) LOA

A range of traveller systems for use on larger yachts up to 15m L.O.A. running on our heavy duty track. The four and six wheel versions should be used up to approximately 12m L.O.A. with the eight wheel versions for larger boats. All feature heavy duty take off attachments through bolted for added security. Control line blocks where fitted have low friction ball bearing sheaves accepting lines up to 10mm diameter. End fittings slide snugly onto track and are easily secured with track mounting bolts.

Note: For yachts over 12 meters, eight wheeled versions must be used. These are made to order so please state requirements when ordering.

- **Stainless Steel Captive Bearing Ball Race Wheels**
- **Four, Six and Eight Wheel options**
- **Rugged lightweight 'I' Beam Track Section**
- **End Fittings give varied Control Line options**
- **Camcleat versions feature K Cam Kevlar Cleat**
- **Ball Bearing Control Line Blocks**

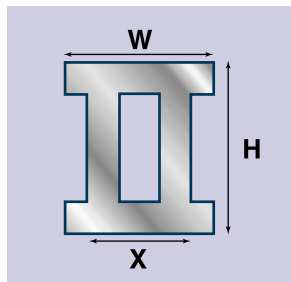
'I' Section Track

Extruded with a hollow section for lightweight and a high load capacity. Drilled for fastenings and plunger stops. Silver anodised.

Supplied in metric lengths as shown in the table.

Specifications TRACK DIMENSIONS

Height H	34mm
Width W	28mm
Width X	17mm
Fastening Dia	6mm
Fastening Centres	100mm
Plunger Centres	50mm
Weight	1041gms per mtr



Track can be custom curved to special requirements. Please enclose a detailed drawing when ordering giving all dimensions of curvature.

Important Note

Suggested boat sizes are given as guidance only and assume a monohull with boom end sheeting leading vertically to the traveller.

Mid boom sheeting or severely angled take offs impose greater loads, allowances should be made for this.

Crash stops should be used to prevent cars damaging track and end fittings.

Part Number	Type	End Fitting	Length mm	Width mm	Break Load Kg	SWL Kg	Weight Grm
TRAVELLER CARS							
28 101	4 Wheels Plain	28 900	88	54	2522	1250	438
28 102	4 Wheels, Control Line Sheaves	28 110	88	54	2500	1250	472
28 103	6 Wheels, Control Blocks 2:1 Purchase	28 110 & 28 902	245	54	3400	1700	850
28 104	6 Wheels, Control Blocks 3:1 Purchase	28 111 & 28 902	272	55	3400	1700	864
28 105	6 Wheels, Control Blocks 4:1 Purchase	28 112 & 28 902	245	55	3400	1700	951

Part Number	Length meter
'I' BEAM TRACK 28MM	
28 000	Per meter
28 010	0.6
28 020	1.2
28 030	1.8
28 040	2.4
28 050	3.0
28 060	5.0

Part Number	Type	Length mm	Width mm	Weight Grm
TRACK END FITTINGS (SUPPLIED IN PAIRS)				
28 110	End fitting with sheave/bkt & cleat	108	90	620
28 111	End fitting with double sheave & cleat	108	90	716
28 112	End fitting with double sheave/bkt & cleat	108	90	724
28 900	Adjustable plunger stop	35	34	112
28 901	Plastic track end			42
28 902	Crash stop	35	34	76



Clutches & Organisers

Deck Organiser Blocks

Designed for use when leading control lines and halliards back to the cockpit. This range comes in two sizes and features aluminium construction finished in 'Spectro' grey anodised finish.

Sheaves are from moulded Acetal and the hollow stainless rivets allow for easy and neat fixing.

Available in multiples of two to six sheave combinations.

Specifications

Size 1	Sheave Dia:	32mm
	Sheave Width:	16mm
	Fastening Dia:	6mm
Size 2	Sheave Dia:	44mm
	Sheave Width:	17mm
	Fastening Dia:	8mm

Rope Clutch

Manufactured from high grade plastics and aluminium with 'Spectro' grey anodised finish. Has a true clutch mechanism that can be easily released under load.

Lines can be drawn through the clutch in the locked position as the line moves freely in the direction of pull and is restricted from returning by a spring loaded cam mechanism.

Clutches should be bolted to the deck approximately 2ft forward of the winch to ensure a fair lead both vertically and horizontally.

This strong and compact unit will accept high loads and is relatively kind to ropes. They are suitable for use to secure halliards and control lines on boats up to 30ft and for lighter applications on larger yachts.

Locking levers come in grey, red or white and a set of marking stickers are included.

Important Note:

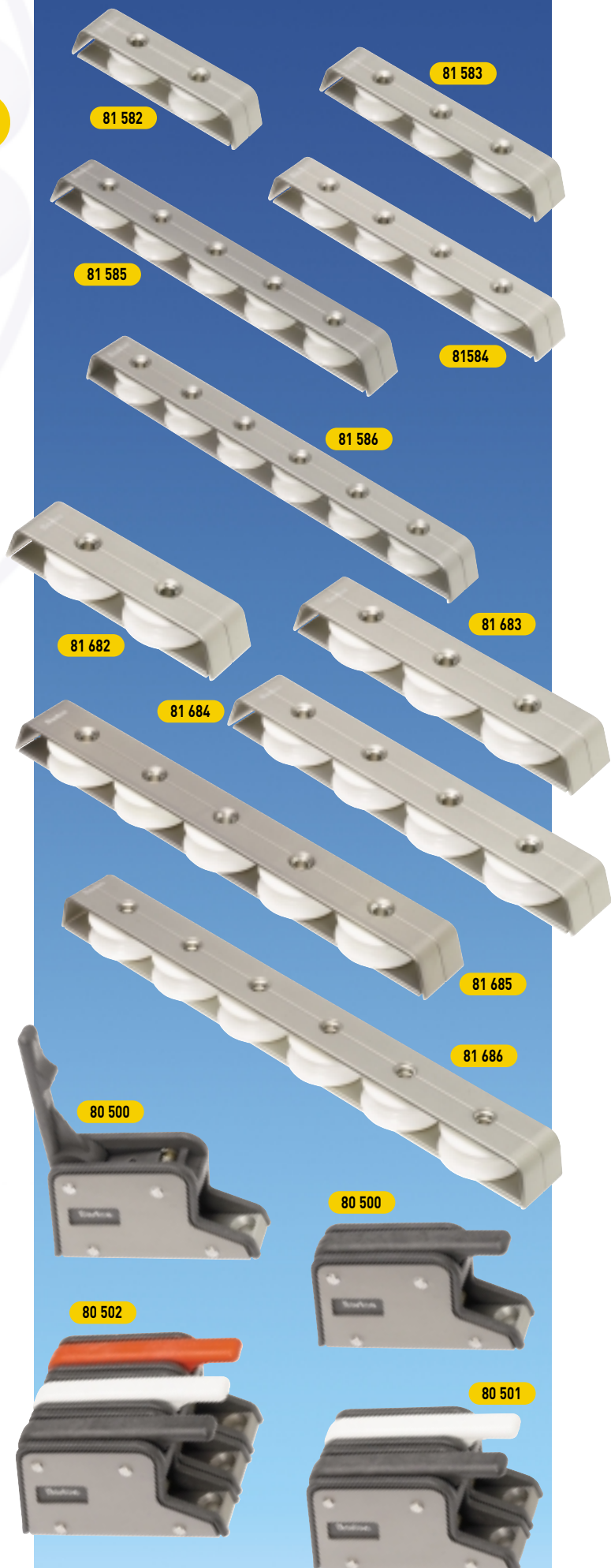
When fitting ensure a fair straight lead through the clutch to prevent wear to side plates and reduced load capabilities.

Max Holding Power: 350Kgs

Max Rope Capacity: 10mm

Fastening Dia: 6mm

Part No Number	Type	Length mm	Width mm	Height mm	Weight gm
SIZE 1 DECK ORGANISERS					
81 582	2 Sheave	115	28	25	108
81 583	3 Sheave	157	28	25	155
81 584	4 Sheave	200	28	25	200
81 585	5 Sheave	244	28	25	244
81 586	6 Sheave	287	28	25	295
SIZE 2 DECK ORGANISERS					
81 682	2 Sheave	148	38	28	205
81 683	3 Sheave	205	38	28	290
81 684	4 Sheave	262	38	28	378
81 685	5 Sheave	318	38	28	465
81 686	6 Sheave	376	38	28	555
ROPE CLUTCH					
80 500	Single Clutch	107	28	62	250
80 501	Double Clutch	107	54	62	480
80 502	Triple Clutch	107	80	62	710



Genoa Cars & Sliders for 20mm 'T' Track

A lightweight and compact range of extruded aluminium sliders running on a 20mm (3/4") 'T' Track and finished in our unique 'Spectro' grey anodised finish.

All have a positive plunger adjustment system with an easy grip knob.

This useful range of products will find a wide variety of applications on larger dinghies, dayboats and light cruiser/racers.

Genoa Cars

Feature a precision turned ertalyte sheave through bolted for extra strength. The positive action plunger mechanism has an easy grip knob.

Towable Genoa Cars

Have all the features of the above but the plunger is deleted in favour of a tow eye or sheave. This allows a control line to be fitted and led aft enabling genoa car adjustments to be made from the safety of the cockpit. Use in conjunction with the special end fittings shown.

Genoa and Mainsheet Slides

Have a heavy duty stainless attachment loop through bolted and riveted for added strength and security. These strong units will accept most blocks featured on earlier pages.

Plunger Stops

Adjustable plunger stops for use with mainsheet or genoa slides. Easy grip plunger grip and smooth action. Sold singly.

Fairlead Slide

Has a plain moulded plastic fairlead fitted to an adjustable slide. The generous opening will accept lines up to 12mm diameter and is ideal for where high loads are not expected.

Bullseye Slide

Features a swivelling bullseye that will always take the correct angle of sheeting. A stainless steel insert is provided to prevent wear. Accepts line up to 14mm diameter.

Stand Up Block

Has a stainless steel eye fitted to a stainless loop through bolted for strength and security. The moulded plastic spring/gaiter enhances the appearance, prevents the block tumbling or ropes snagging. Supplied with our size 2 block accepting lines up to 8mm diameter.

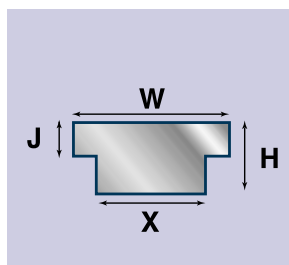
'T' Track 20mm

For use with all sliders featured on this page. Drilled for fastenings and plunger stops. 'Spectro' grey anodised and supplied in metric lengths.

Specifications

TRACK DIMENSIONS

Height H	8mm
Height J	2.5mm
Width W	20mm
Width X	11mm
Fastening Dia	5mm
Fastening Centres	100mm
Plunger Centres	50mm
Weight	270gms



Part Number	Length meter	Part Number	Length meter
22 000	Per meter	22 040	2.4
22 010	0.6	22 050	3.0
22 020	1.2	22 060	5.0
22 030	1.8	22 901	Track End Cap (pr)

Part Number	Type	Lgth mm	Width mm	Hght mm	Sheave Dia mm	Max Rope mm	Break Load Kg	SWL Kg	Wgt Grm
-------------	------	---------	----------	---------	---------------	-------------	---------------	--------	---------

GENOA CARS

22 100	Genoa Car	60	34	65	30	10	1160	580	119
--------	-----------	----	----	----	----	----	------	-----	-----

TOWABLE GENOA CARS

22 200	Towable Car	110	34	65	30	10	1160	580	127
22 220	Towable Car 2:1	138	34	65	30	10	1160	580	160

TOWABLE CAR END FITTINGS

22 210	Track End	80	32	36	30	8			97
22 221	Track End/Bkt	80	32	47	30	8			99

GENOA SLIDES

22 301	Genoa Slide	60	32	35			1200	600	68
--------	-------------	----	----	----	--	--	------	-----	----

MAINSHEET SLIDE & STOPS

22 300	Mainsheet Slide	60	32	35			1200	600	55
22 900	Plunger Stop	30	32	30					30

FAIRLEAD SLIDES

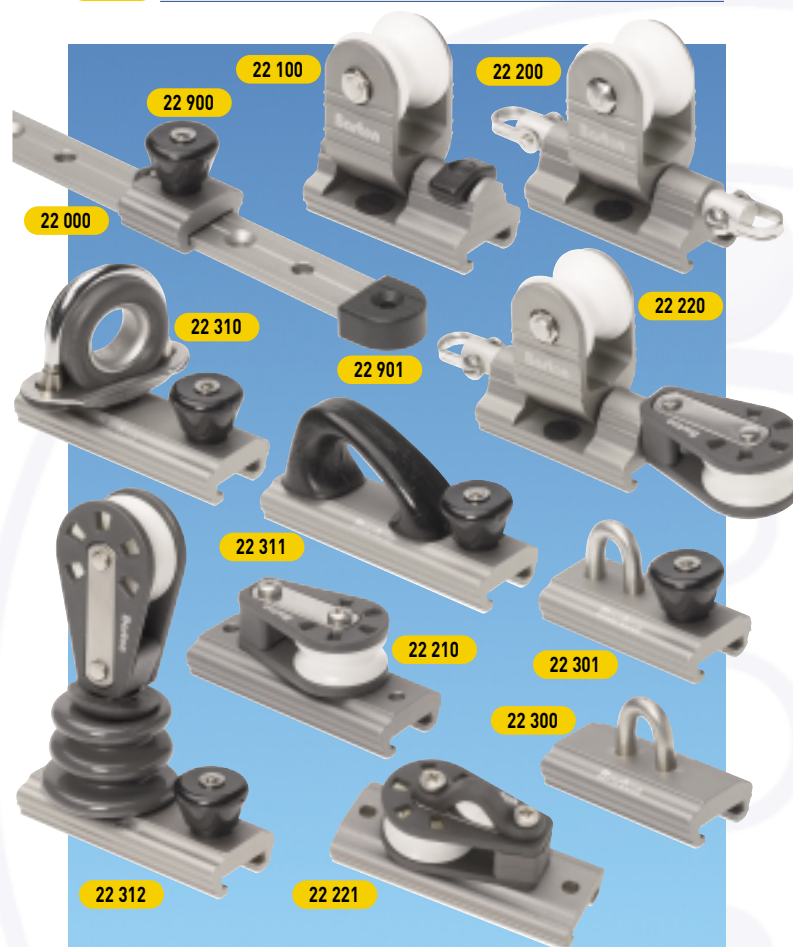
22 310	Bullseye Slide	80	32	60		14	400	200	150
22 311	Fairlead Slide	90	32	42		12	400	200	102

STAND UP BLOCK

22 312	Stand Up Block					8	740	370	195
--------	----------------	--	--	--	--	---	-----	-----	-----

TRACK END CAP (pr)

22 901	Track End Caps (pr)								55
--------	---------------------	--	--	--	--	--	--	--	----



Genoa Cars & Sliders for 25mm 'T' Track

Here is our extremely popular range of genoa cars and specialist sliders designed to run on 25mm (1") 'T' track. All are manufactured from high quality marine grade aluminium extrusion.

Finished in our unique 'Spectro' grey anodised finish to give added protection and an extremely high quality finish.

All cars and sliders detailed on these two pages feature moulded nylon inserts which ensure free running under load whilst preventing damage to finish and possible corrosion.

CARS AND SLIDERS FEATURE:

- 'Spectro' Grey Anodised Finish
- Moulded Slide Inserts to ensure free running
- Stainless Plunger Stops with positive action
- Large easy grip Plunger Knobs

Genoa Cars with Plunger Stop

Have precision turned Ertalyte sheaves running on a large diameter centre boss to give friction free performance even under high load. Sheaves are designed with a generous width which will accept two sheets. The sheave axle is through bolted and riveted to give added strength and security.

Towable Genoa Cars

Have all the features of the above but the plunger is deleted in favour of a tow eye or sheave. This allows a control line to be fitted and led aft enabling genoa car adjustments to be made from the safety of the cockpit. Use in conjunction with the special end fittings shown.

Genoa and Mainsheet Slides

Have a heavy duty stainless attachment loop through bolted and riveted for added strength and security. These strong units will accept most blocks featured on earlier pages.

Spinnaker Pole Slide

Has a heavy duty stainless steel ring welded to the attachment plate. This assembly is through bolted to the slide. The generous ring opening will accept most pole ends.

Towable Spinnaker Pole Slide

Has eyes fitted to each end for attachment of control lines. Use with 25 210 end fittings.

Bullseye Slide

Features a swivelling bullseye that will always take the correct angle of sheeting. A stainless steel insert is provided to prevent wear. Accepts line up to 14mm diameter.

Foot Blocks

Designed for use with genoa cars featured on these pages. These strong and rugged blocks have a three bolt fixing and because of their flat surface can be stacked to achieve doubles. 'Spectro' grey finished. Precision turned solid ertalyte sheaves running on a large diameter centre boss give a low friction performance under high loads and minimal maintenance. See page 21 for more details.

Important Notes:

Fastenings of the minimum diameter suggested should be used to gain full load capability. Ensure that suitable mounting pads are provided under deck. Stacking blocks to achieve doubles will severely reduce working loads quoted.

Stand Up Blocks

Have a stainless steel eye fitted to a stainless loop through bolted for strength and security. The moulded plastic spring/gaiter enhances the appearance, prevents the block tumbling or ropes snagging. Two block sizes are available for 10mm and 12mm lines.

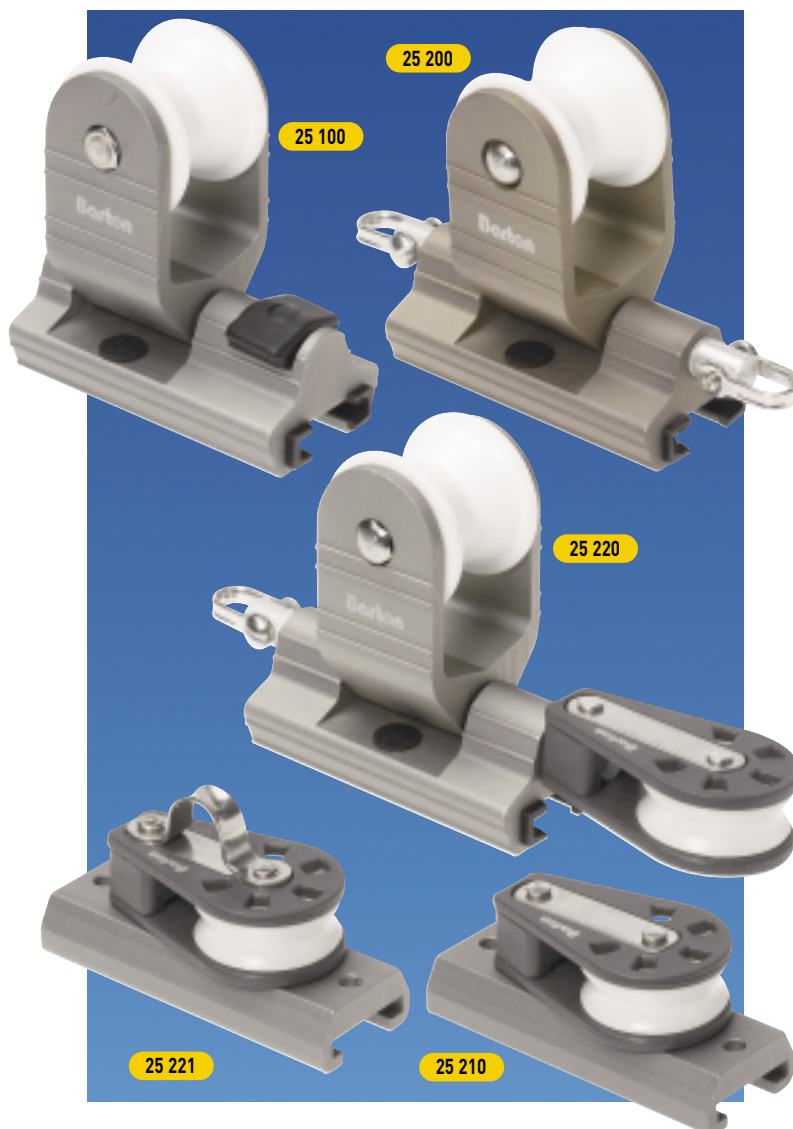
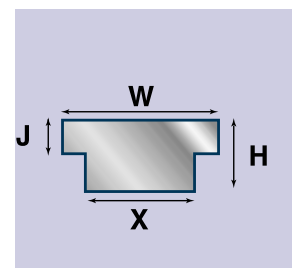
'T' Track 25mm

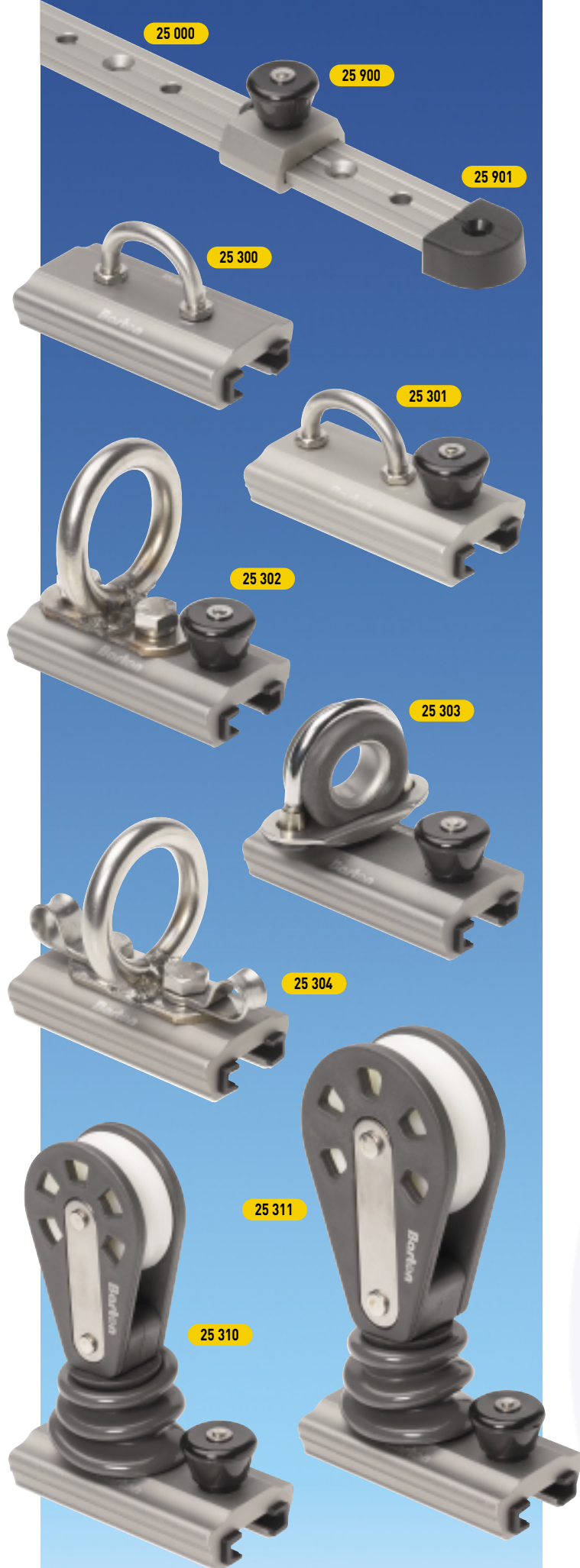
For use with all sliders featured on this page. Drilled for fastenings and plunger stops. 'Spectro' grey anodised and supplied in metric lengths.

Specifications

TRACK DIMENSIONS

Height H	10mm
Height J	4mm
Width W	25mm
Width X	14mm
Fastening Dia	5mm
Fastening Centres	100mm
Plunger Centres	50mm
Weight per meter	441gms





Part Number	Type	Lgth mm	Width mm	Hght mm	Sheave Dia mm	Max Rope mm	Break Load Kg	SWL Kg	Wght Grm
-------------	------	---------	----------	---------	---------------	-------------	---------------	--------	----------

GENOA CARS

25 100	Genoa Car	80	42	87	40	2 x 12	2280	1140	247
--------	-----------	----	----	----	----	--------	------	------	-----

TOWABLE GENOA CARS

25 200	Towable Car	127	42	87	40	2 x 12	2280	1140	258
--------	-------------	-----	----	----	----	--------	------	------	-----

25 220	Towable Car 2:1	170	42	87	40	2 x 12	2280	1140	297
--------	-----------------	-----	----	----	----	--------	------	------	-----

TOWABLE CAR END FITTINGS

25 210	Track End	88	37	35	35	8			116
--------	-----------	----	----	----	----	---	--	--	-----

25 221	Track End/Bkt	88	37	50	35	8			121
--------	---------------	----	----	----	----	---	--	--	-----

GENOA SLIDES

25 301	Genoa Slide	80	42	40			2860	1430	123
--------	-------------	----	----	----	--	--	------	------	-----

MAINSHEET SLIDE & STOPS

25 300	Mainsheet Slide	80	42	42			2860	1430	111
--------	-----------------	----	----	----	--	--	------	------	-----

25 900	Plunger Stop	30	33	34					36
--------	--------------	----	----	----	--	--	--	--	----

STAND UP BLOCKS

25 310	Stand Up Block 3	80	42	120	45	10	980	490	223
--------	------------------	----	----	-----	----	----	-----	-----	-----

25 311	Stand Up Block 4	80	42	142	57	12	1580	790	312
--------	------------------	----	----	-----	----	----	------	-----	-----

Part Number	Type	Length mm	Width mm	Height mm	Eye I.D. mm	Weight Grm
-------------	------	-----------	----------	-----------	-------------	------------

SPINNAKER POLE SLIDES

25 302	Spinnaker Pole Slide	80	42	74	35	237
--------	----------------------	----	----	----	----	-----

25 304	Towable Pole Slide	80	42	74	35	253
--------	--------------------	----	----	----	----	-----

BULLSEYE SLIDE

25 303	Bullseye Slide	80	42	60		184
--------	----------------	----	----	----	--	-----

TRACK END CAP (pr)

25 901	Track End Caps (pr)								11
--------	---------------------	--	--	--	--	--	--	--	----

Part Number	Sheave Dia. mm	Sheave Width mm	Lgth mm	Break Kg	SWL Kg	Fastenings mm	Wght Grm
-------------	----------------	-----------------	---------	----------	--------	---------------	----------

FOOT BLOCKS

82 995	Foot Block	50	15	79	1000	500	3 x M6	116
--------	------------	----	----	----	------	-----	--------	-----

82 996	Foot Block	65	18	100	1600	800	2 x M6 / 1 x M8	212
--------	------------	----	----	-----	------	-----	-----------------	-----

82 997	Foot Block	85	21	132	3000	1500	2 x M8 / 1 x M10	429
--------	------------	----	----	-----	------	------	------------------	-----

Part Number	Length meter
-------------	--------------

'T' TRACK 25MM

25 000	Per meter
--------	-----------

25 010	0.6
--------	-----

25 020	1.2
--------	-----

25 030	1.8
--------	-----

25 040	2.4
--------	-----

25 050	3.0
--------	-----

25 060	5.0
--------	-----

25 901	Track End Cap (pr)
--------	--------------------



Genoa Cars & Sliders for 32mm 'T' Track

Here is our extremely popular range of genoa cars and specialist sliders designed to run on 32mm (1 1/4") 'T' track. All are manufactured from high quality marine grade aluminium extrusion.

Finished in our unique 'Spectro' grey anodised finish to give added protection and an extremely high quality finish.

All cars and sliders detailed on these two pages feature moulded nylon inserts which ensure free running under load whilst preventing damage to finish and possible corrosion.

Genoa cars are available in two sizes with a heavy duty version for larger boats or where a high load capacity is required.

CARS AND SLIDERS FEATURE:

- 'Spectro' Grey Anodised Finish
- Moulded Slide Inserts to ensure free running
- Stainless Plunger Stops with Positive Action
- Large Easy Grip Plunger Knobs
- Heavy Duty Option Available

Genoa Cars with Plunger Stop

Have precision turned Ertalyte sheaves running on a large diameter centre boss to give friction free performance even under high load. Sheaves are designed with a generous width which will accept two sheets. The sheave axle is through bolted and riveted to give added strength and security.

Towable Genoa Cars

Have all the features of the above but the plunger is deleted in favour of a tow eye or sheave. This allows a control line to be fitted and led aft enabling genoa car adjustments to be made from the safety of the cockpit. Use in conjunction with the special end fittings shown.

Genoa and Mainsheet Slides

Have a heavy duty stainless attachment loop through bolted and riveted for added strength and security. These strong units will accept most blocks featured on earlier pages.

Spinnaker Pole Slide

Has a heavy duty stainless steel ring welded to the attachment plate. This assembly is through bolted to the slide. The generous ring opening will accept most pole ends.

Towable Spinnaker Pole Slide

Has eyes fitted to each end for attachment of control lines. Use with 32 220 end fittings.

Foot Blocks

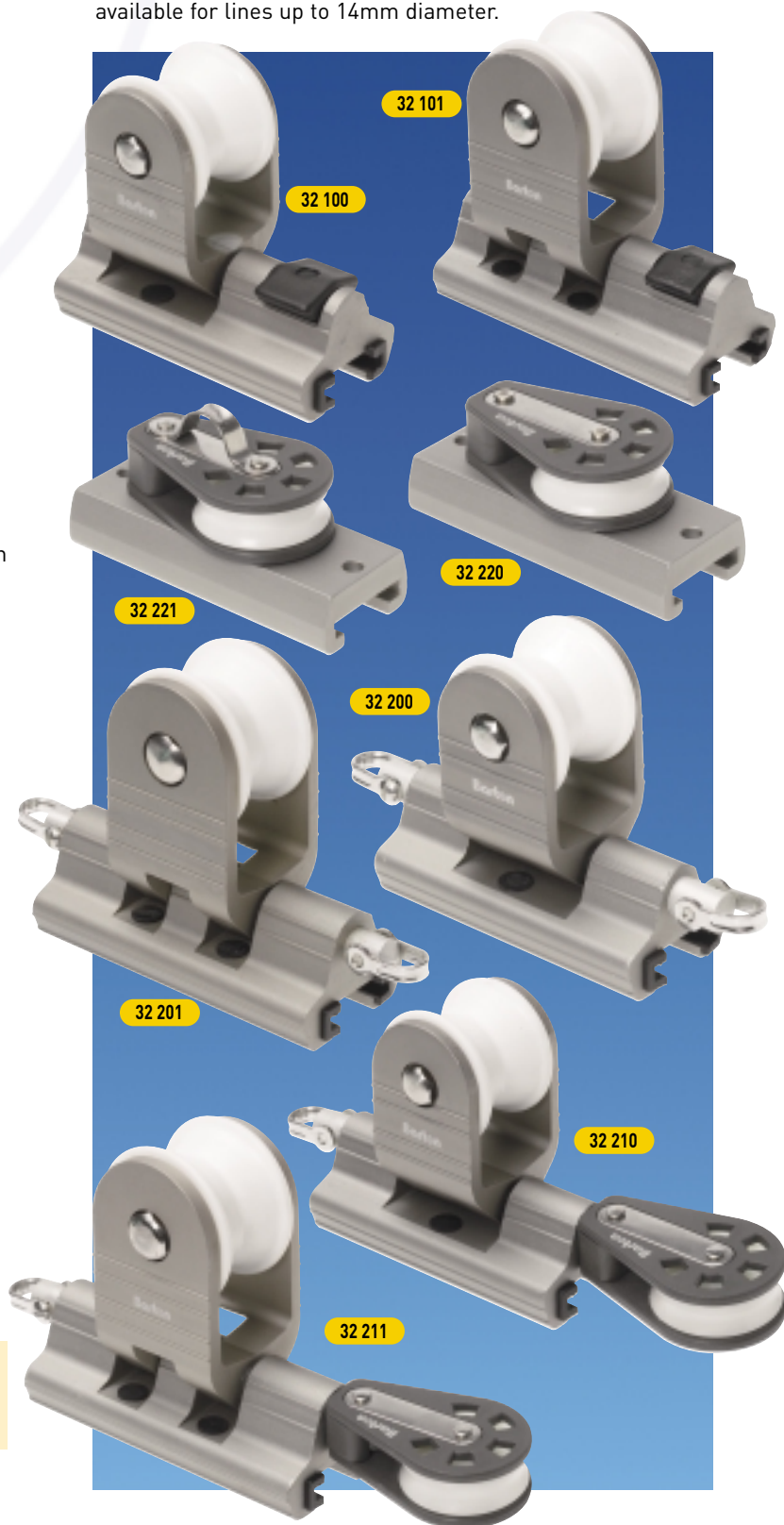
Designed for use with genoa cars featured on these pages. These strong and rugged blocks have a three bolt fixing and because of their flat surface can be stacked to achieve doubles. 'Spectro' grey finished. Precision turned solid ertalyte sheaves running on a large diameter centre boss give a low friction performance under high loads and minimal maintenance. See page 21 for more details.

Important Notes:

Fastenings of the minimum diameter suggested should be used to gain full load capability. Ensure that suitable mounting pads are provided under deck. Stacking blocks to achieve doubles will severely reduce working loads quoted.

Stand Up Blocks

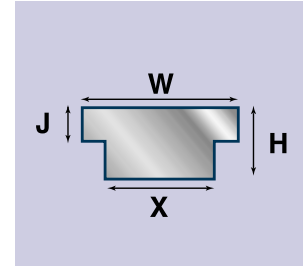
Have a stainless steel eye fitted to a stainless loop through bolted for strength and security. The moulded plastic spring/gaiter enhances the appearance, prevents the block tumbling or ropes snagging. Ball bearing blocks from our popular cruiser range are utilised and three sizes are available for lines up to 14mm diameter.





Specifications TRACK DIMENSIONS

Height H	14mm
Height J	5mm
Width W	32mm
Width X	20mm
Fastening Dia	6mm
Fastening Centres	100mm
Plunger Centres	50mm
Weight per meter	756gms



'T' TRACK 32mm

For use with all sliders featured on this page. Drilled for fastenings and plunger stops. 'Spectro' grey anodised and supplied in metric lengths.

Part Number	Length meter
'T' TRACK 32MM	
32 000	Per meter
32 010	0.6
32 020	1.2
32 030	1.8
32 040	2.4
32 050	3.0
32 060	5.0
32 901	Track End Cap (pr)

Part Number	Type	Lgth mm	Width mm	Hght mm	Sheave Dia mm	Max Rope mm	Break Load Kg	SWL Kg	Wght Grm
-------------	------	---------	----------	---------	---------------	-------------	---------------	--------	----------

GENOA CARS

32 100	Genoa Car	109	52	102	50	2 x 16	3280	1640	469
32 101	Genoa Car Heavy Duty	127	55	117	60	2 x 16	5970	2985	728

TOWABLE GENOA CARS

32 200	Towable Car	170	52	102	50	2 x 16	3280	1640	503
32 210	Towable Car 2:1	220	52	102	50	2 x 16	3280	1640	561
32 201	Towable Car Heavy Duty	190	55	117	60	2 x 16	5970	2985	749
32 211	Towable Car Heavy Duty 2:1	235	55	117	60	2x 16	5970	2985	820

TOWABLE CAR END FITTINGS

32 220	Track End	109	47	44	45	10			230
32 221	Track End/Bkt	109	47	58	45	10			236

GENOA SLIDES

32 301	Genoa Slide	109	52	50				2980	1490	254
--------	-------------	-----	----	----	--	--	--	------	------	-----

MAINSHEET SLIDE & STOPS

32 300	Mainsheet Slide	109	52	50				2980	1490	231
32 900	Plunger Stop	35	42	40						70

STAND UP BLOCKS

32 310	Stand Up Block 5	109	52	150	54	12	1800	900	450
32 311	Stand Up Block 6	109	52	165	60	12	2300	1150	489
32 312	Stand Up Block 7	109	52	170	72	14	2800	1400	565

Part Number	Type	Length mm	Width mm	Height mm	Eye I.D. mm	Weight Grm
SPINNAKER POLE SLIDES						
32 302	Spinnaker Pole Slide	109	52	80	35	357
32 304	Towable Pole Slide	109	52	80	35	359
TRACK END CAP (pr)						
32 901	Track End Caps (pr)					19

Part Number		Sheave Dia. mm	Sheave Width mm	Lgth mm	Break Kg	SWL Kg	Fastenings mm	Wght Grm
FOOT BLOCKS								
82 995	Foot Block	50	15	79	1000	500	3 x M6	116
82 996	Foot Block	65	18	100	1600	800	2 x M6 / 1 X M8	212
82 997	Foot Block	85	21	132	3000	1500	2 X M8 / 1 X M10	429

Winch Handles & Accessories

Here is our comprehensive range of winch handles manufactured from modern high quality materials. All are designed to fit international sized star sockets as well as deck filler caps.

A range of winch handle pockets and accessories is also available.

Extruded Aluminium Handles

Lightweight, inexpensive handles come in two lengths either plain or locking. The easy grip handle roller is comfortable in use. 'Spectro' grey anodised for good looks and durability.

Important note: These handles should not be used on large two speed winches as they are not designed for high load in an anti clockwise direction.

Floating Handles

Feature a unique moulded body with an integral moulded handle shaft. The bright red handle roller is mounted on ball bearings for friction free operation. Locking mechanism is with a positive easy action thumb switch.

Will float in salt or fresh water.

Supplied in an attractive counter display containing eight handles as shown.

Note: Floating winch handles are tested to a load of 110kg and are intended for lightweight use only.

Chrome Handle

Designed for use with our now discontinued 602 bottom handle winch.

Reefing Gear Handle

Designed for use with our now discontinued 323 Roller Reefing Gear.

Winch Handle Pockets

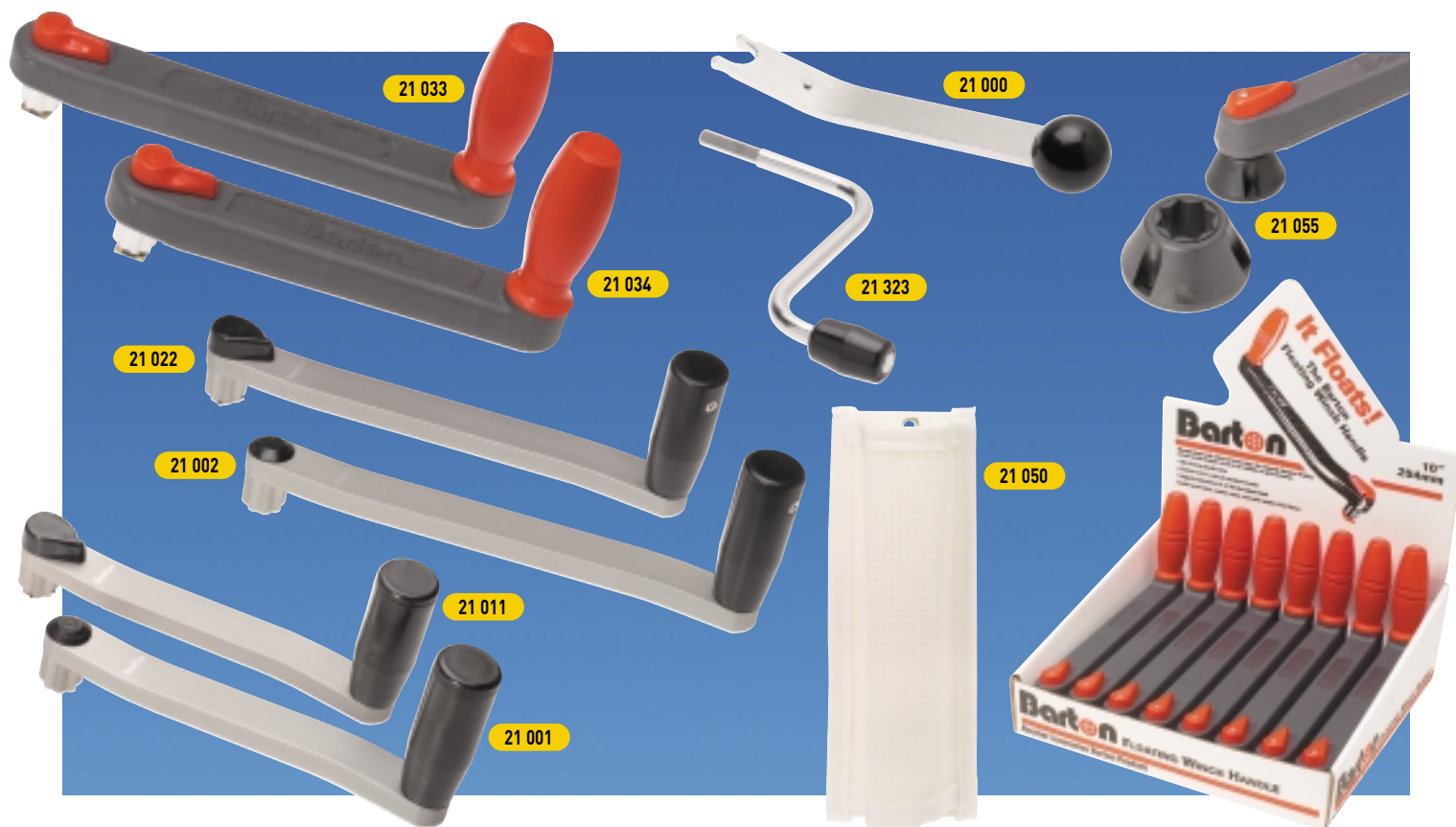
Winch Handle Pocket high quality holder manufactured from a hard wearing synthetic fabric. Will not degrade like moulded plastic versions.

Winch Handle Holder

This unique product utilises the star socket system to store your handles. Mount on bulkheads or under locker lids and always have your handles handy.

Base dia: 52mm. Requires 3 x 4mm fastenings.

Part Number		Length mm	Weight Grm
ALUMINIUM HANDLES			
21 001	8" Aluminium Handle	225	290
21 011	8" Aluminium Handle Locking	225	302
21 002	10" Aluminium Handle	280	335
21 022	10" Aluminium Handle Locking	280	347
FLOATING HANDLES			
21 033	10" Floating Handle Locking	290	267
21 034	8" Floating Handle Locking	235	306
SPECIAL HANDLES			
21 000	Handle For 602 Winch	250	420
21 323	Reefing Gear Handle		160
WINCH HANDLE POCKETS			
21 050	Fabric Winch Handle Pocket	300	70
WINCH HANDLE HOLDER			
21 055	Winch Handle Holder	52mm Dia Base	



Winches & Winchers

Barton Composite Winches

This range of composite winches are a versatile alternative to more commonplace aluminium versions. They offer significant cost and weight savings together with a truly low maintenance requirement.

They are suitable for a wide range of applications on yachts of all sizes - as primaries for yachts up to 10mtrs, or as spinnaker sheet or halyard winches on larger craft.

Three models are available - a single speed 8:1 and two speed 16:1 and 23:1 versions.

Virtually self lubricating friction free and corrosion resistant, the ingenious use of advanced materials ensures uniformly consistent performance and reliability.

Barton winches feature a silver top ring as standard, but optional coloured rings are included in Red, Blue and Green. These enable the ability to colour code winches to control lines, Port/Starboard or just to match the colour scheme of your boat.

A comprehensive brochure covering Barton Winches is available separately on request.

Winch Spare Kits

All Barton winches are easily serviceable and spares kits are available containing most parts required.

Snubbing Winch

Manufactured from glass fibre reinforced nylon with anodised aluminium ribs. These neat lightweight units are ideal for use on large dinghies or dayboats.

Winchers

A specially designed rubber moulding which fits over the top of standard winches converting them to self tailing. Easy to fit and available in four sizes to suit a wide range of popular winches.

The simple operation works when the line is sheeted under load causing the coils to climb up the drum and are then gripped by the underside of the rubber body. When the sail is trimmed cleating is achieved by locking the line into the ribbed groove.

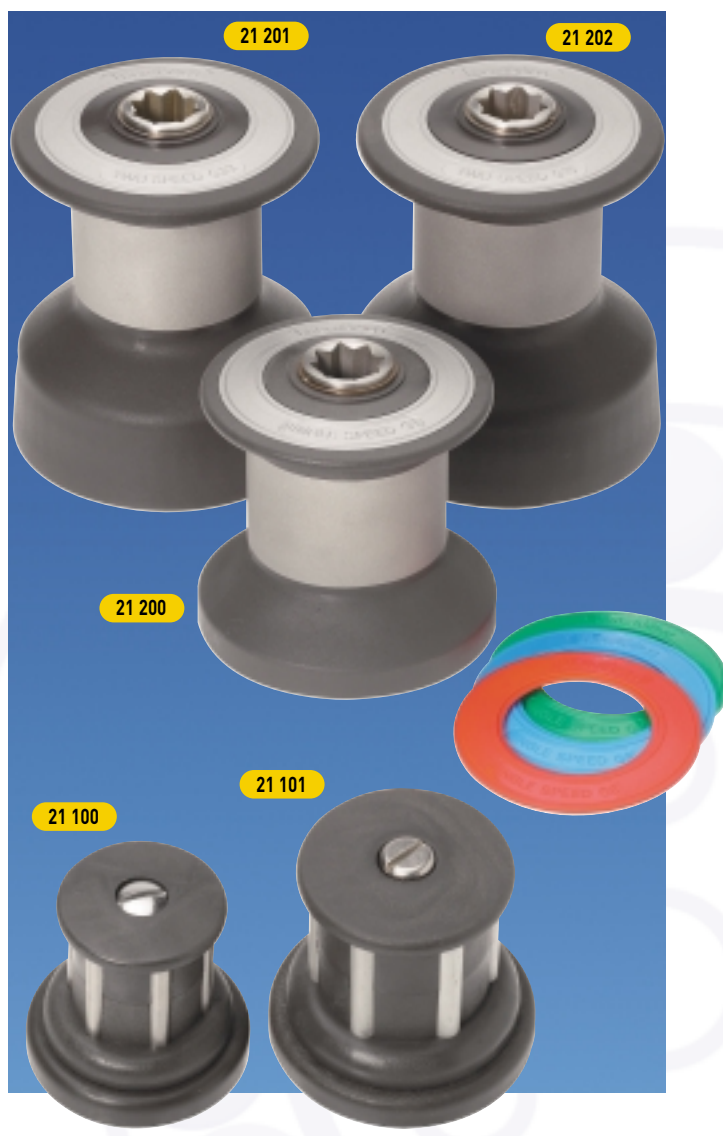


Part Number	Type	Base Dia mm	Drum Dia mm	Weight Grm
SHEET WINCHES				
21 200	Single Speed 8:1	101.6	66.7	835
21 201	Two Speed 16:1	114.3	66.7	1264
21 202	Two Speed 23:1	114.3	66.7	1600

WINCHE SPARES KITS				
21 210	Single Speed 8:1			
21 211	Two Speed 16:1			
21 212	Two Speed 23:1			

SNUBBING WINCHES				
21 100	Snubbing Winch	64	37	175
21 101	Snubbing Winch	75	50	230

Part Number	Type	Max Drum Dia. mm	Max Rope Dia mm	Weight Grm
WINCHERS (prs)				
21 641	Wincher Small	64 - 69	8 - 10	202
21 642	Wincher Medium	73 - 80	10 - 14	223
21 643	Wincher Large	80 - 90	12 - 14	278
21 644	Wincher Extra Large	90 - 100	12 - 16	387



Sail Handling

LAZY JACK KITS:

Allow mainsails to be easily reefed and stowed by retaining the sail between lines running from the mast near the hounds to the boom. These lines can be slackened whilst sailing to avoid restricting sail shape.

Ideal for use with fully battened or conventional mainsails. These complete kits contain stainless steel plastic coated wires with blocks and fixing eyes attached. Sufficient high quality braided line, all fixing and fastenings together with comprehensive fitting instructions are also included.

A unique feature of all our Lazy Jacks is the soft plastic block cover which prevents sail chafe and enhances appearance.

LIGHTWEIGHT LAZY JACK KITS:

New this year are lightweight Lazy Jacks available as either four leg, or six leg cascade systems.

These all rope kits still feature our unique block covers, but are intended for smaller boats or lightweight use.

We do not recommend their use on larger boats with fully battened main sails. We also recommend that use of topping lift is retained.

CASCADE LAZY JACK KITS:

Available in both types. Use with longer boom lengths or where more sail control is required.

SINGLE LINE REEFING KITS:

New this year is our boxed and complete single line reefing kit that allows reefing control lines to be led aft to the safety of the cockpit.

This system makes reefing your mainsail a quick and easy operation. Just lower the sail to a predetermined mark on the halyard, tension the reefing line and trim the sail. All from the cockpit.

Supplied as a complete set with all parts and fixings required, together with full instructions. All you need to provide is line and a cleat or stopper.

Part Number	Type
-------------	------

SINGLE LINE REEFING KIT

41 130	For Yachts Up to 9m (30ft)
--------	----------------------------

LAZY JACK KITS

41 150	For Yachts Up To 9m (30ft)
--------	----------------------------

41 151	For Yachts Up To 12m (40ft)
--------	-----------------------------

41 152	For Yachts Over 12m (40ft)
--------	----------------------------

41 153	Cascade System For Larger Yachts
--------	----------------------------------

LIGHT WEIGHT LAZY JACK KITS

41 140	For Yachts Up To 9m (30ft)
--------	----------------------------

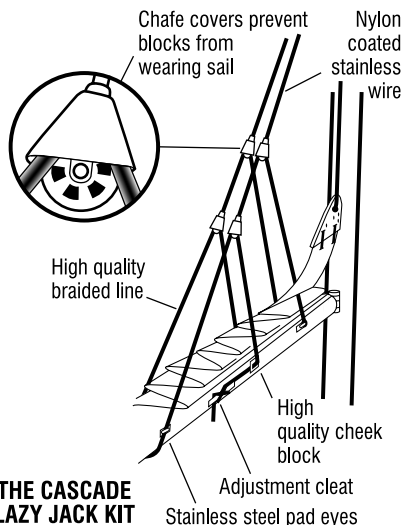
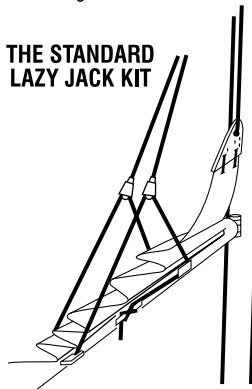
41 143	Cascade System For Yachts Up To 10.5m (35ft)
--------	--



No modifications to sail, mast or boom required

Blocks, cleats, mounting eyes and fixings included in the kit

THE STANDARD LAZY JACK KIT



THE CASCADE LAZY JACK KIT



SLAB REEFING KITS:

Supplied in two sizes and complete with sufficient length of 'T' Track and end stops.

The sliding blocks are positively locked by a spring loaded plunger mechanism to enable the correct sail shape to be maintained. All from stainless steel and 'Spectro' Grey anodised aluminium.

Part Number	Type	Track
-------------	------	-------

SLAB REEFING KITS

41 483	For Yachts Up To 8.5m (28ft)	60cm X 25mm 'T' Track
41 484	Spare Slider For Above	
41 496	For Yachts Up To 12.0m (39ft)	100cm X 32mm 'T' Track
41 497	Spare Slider For Above	

STANCHION LEAD BLOCKS

Mainly used for leading headsail furling lines aft, they are available in three sizes to suit most applications.

Double blocks are designed for use with endless line systems and can easily be taken apart to accept pre spliced lines.

The larger blocks size 4 should be used for final take off, especially if furling line is to be led to a winch.

All have the option of a ball bearing sheave.

Part Number	Type	Sheave Dia.mm	Max Line Dia.mm	Max Tube Dia.mm
	Plain			
	Ball			

STANCHION LEAD BLOCKS

02 190	12 190	Single Stanchion	35	8	25
02 290	12 290	Double Stanchion	30	10	25
03 190	13 190	Single Stanchion	45	10	25
04 190	14 190	Single Stanchion	58	12	25

STANCHION BULLSEYE

60 142	Stanchion Bullseye - diameter 17mm
--------	------------------------------------

REEFING AND GOOSENECK HOOKS:

Manufactured from stainless steel these two types of hook are handy for use in conjunction with slab reefing kits for securing the tack of the mainsail.

Type 41 517 is supplied in pairs and is intended for mounting either side of the boom at gooseneck level.

Type 41 518 can be mounted above the gooseneck or can be used at the stem head to accept the jib tack.

Part Number	Type
-------------	------

REEFING HOOKS

41 517	Boom Fitting Supplied In Pairs
41 518	Gooseneck or Stemhead mounting

MAST STEPS:

These low profile lightweight hinged mast steps are manufactured from bright polished stainless steel. Each step has a secure and positive hinged action and is rattle free. The foot area has a toothed non slip surface and the profile turns up at the outboard end for a firm and secure foothold.

Secure by four 5mm pop rivets and fit at 500mm spacing as shown in the diagram.

Part Number	Type
-------------	------

MAST STEPS

60 750	Mast Step Stainless Steel
--------	---------------------------

Important Notes:

Mast steps should always be used in conjunction with a bosuns chair. Always have a crew member at hand to control the halyard. Do not go barefoot and always put safety first when going aloft.

Boomstrut

Five sizes to suit yachts up to 11.5 mtr / 38ft l.o.a.

You will find many reasons to appreciate the Barton Boomstrut. No more topping lift hassles, no adjustments and no hang ups. Never again will the boom fall accidentally. Gain improved boat performance with less weight and windage aloft.

- **Maintenance free durable design eliminates friction and sliding parts**
- **Patented flexing spring provides fast response and a near constant force for vang efficiency**
- **Easy installation independent of existing kicking strap. No need to replace existing hardware**
- **Simple to follow fitting instructions and all fastenings included**
- **Mast fitting can use the luff groove to eliminate drilling**
- **Five sizes**
- **Light weight maintenance free**

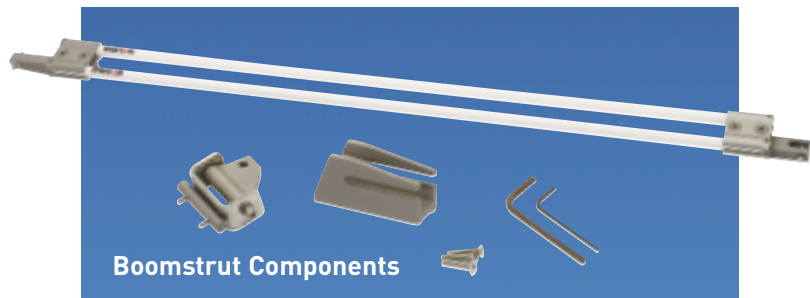
The lightweight, low profile design features two coated flexible fibreglass rods which provide the force to support the boom. Pulling the boom down causes the Boomstrut to flex upwards, releasing straightens the rods thereby lifting the boom.

Each Boomstrut is supplied with comprehensive and easy to follow fitting instructions. All fastenings required are included.

The boom fitting is contoured to fit both round and flat booms and the mast fitting can slide in most luff grooves to avoid drilling.

For ease of installation and rigging, the Boomstrut mounts independently inside the existing kicking strap tackle. There is no requirement to replace existing hardware, just fit the Boomstrut and remove the topping lift.

The Boomstrut has been carefully designed and constructed to eliminate sharp edges, minimise parts and provide ease of installation. All parts are from high grade stainless steel and aluminium 'Spectro'grey anodised for good looks and durability.



Part Number	Suggested Boat Length Metres	Pin To Pin Length MM	Max Rods Can Be Reduced By MM*	Max Initial Full Adjustment MM**	Max Stroke At Full Adjustment MM	Force Kg***
44 010	Up To 6.0 mtr	960	150	300	150	90
44 020	6.0 to 7.5 mtr	1070	150	300	150	140
44 030	7.5 to 9.0 mtr	1180	150	300	150	185
44 035	9.0 to 10.5 mtr	1320	150	400	200	230
44 040	10.5 to 12.0 mtr	1450	150	400	200	270

* At maximum pin - pin length ** Maximum stroke at initial pin - pin *** Maximum stroke at min. pin - pin. Stroke is travel flexed. 2.5 cm of stroke equates to approx. 18cm at end of boom.

Special Cleats

Sliding Cleats

A cost effective solution to fitting a mid ship spring cleat where access to under the side deck is restricted.

Simply remove a Genoa track end stop, slide on the cleat and lock in the desired position.

When not in use slide to one end of the track or leave off one end permanently to enable easy removal of cleat.

Alternatively, fitting a short length of track in the desired position enables cleats to be fitted or removed in seconds reducing deck clutter and eliminating rope snags.

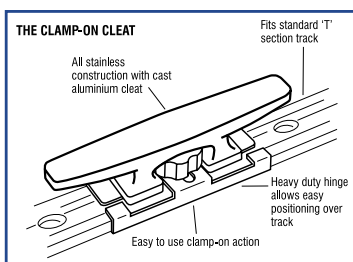
Designed to fit standard 25mm & 32mm 'T' tracks, they are available in four sizes.

25mm cleats have an extruded aluminium base with a moulded nylon cleat and screw lock.

32mm cleats have an extruded aluminium base, cast aluminium cleat and plunger type lock.

Clamp on Cleats

Exclusive to Barton, this unique design allows the base to open and fit over existing 'T' tracks. The clamp then screws firmly into place allowing this cleat to be securely fixed in any position on the track in seconds.



Features

- **Attachable / Detachable**
- **Fitted and Removed in seconds**
- **Leaves Decks clear when not in use**
- **Positions easily where required along Track**
- **Available To Suit 25mm & 32mm 'T' Tracks**

Note: Clamp on cleats will only work correctly and safely on 'T' tracks.

Shroud Cleats

These handy cleats simply clamp onto wires without causing damage. Two versions are available, one a plain cleat for flag halliards etc. and one with a generous opening that will accept halliard shackles for stowage purposes.

Stanchion Cleat

A neat fitting designed to fit over stanchions or pulpit / pushpit rails. Fits in seconds and will not damage tube.

Part Number	Type	Cleat	Length mm	T Track mm	Weight Grm
CLAMP ON CLEATS					
51 250	Clamp On Cleat	Ali	175	25	260
51 320	Clamp On Cleat	Ali	205	32	389
SLIDING CLEATS					
51 253	Sliding Cleat 25mm	Nylon	165	25	134
51 254	Sliding Cleat 25mm	Nylon	200	25	178
51 322	Sliding Cleat 32mm	Ali	175	32	328
51 323	Sliding Cleat 32mm	Ali	205	32	402
STANCHION CLEAT					
52 100	Stanchion Cleat	Nylon	111		90
SHROUD CLEAT Max Wire 8mm					
52 110	Shroud Cleat	Nylon	100		26
52 111	Shroud Cleat with Eye	Nylon	100		36
STANCHION BULLSEYE					
60 142	Stanchion Bullseye - diameter 17mm				



Dinghy & Dayboat Fittings

Drain Bung and Socket:

This screw type drain bung and socket is still the best available. Supplied complete with rubber 'o' ring for an extremely watertight seal.

Specifications

Bore Dia: 15mm. Cutting Dia: 22mm.

Available in black or white. Spare bungs are also available.

Sheet Fairlead:

Moulded plastic smooth shaped fixed rope fairlead.

Spinnaker Sheet Fairlead:

Moulded plastic sheet fairlead with snap in/out hook design.

Rigging Adjuster:

From 16mm stainless steel. Allows for 50mm of adjustment in 10mm steps. Clevis pin dia. 5mm.

Rudder and Transom Fittings:

Strong and robust, manufactured from stainless steel with tough nylon surrounds.

Pintles are 9.5mm dia. Fastening holes 5mm.

A wide range of rudder fitting widths are offered.

Mainsheet Swivel Block & Cleat:

Accepts lines up to 10mm and has a fully articulated lead block with anti tumble spring with a 'K' Cam cleat fitted as standard. Base Dia: 58mm. Fastening Dia: 5mm.

Bullseye Swivel & Cleat

Accepts lines up to 12mm with a stainless steel insert to prevent wear. Has a 'K' Cam cleat fitted as standard.

Base Dia: 58mm. Fastening Dia: 5mm.

Furling Gears:

Single line operation for dinghies, dayboats and light cruising yachts.

Two drum sizes work along with the common top head swivel.

All have stainless steel ball races for a smooth operation.

Drums are moulded from glass fibre reinforced nylon with stainless steel swivel and ball bearing assemblies.

The head swivel is from machine turned solid aluminium with stainless steel ball bearings.

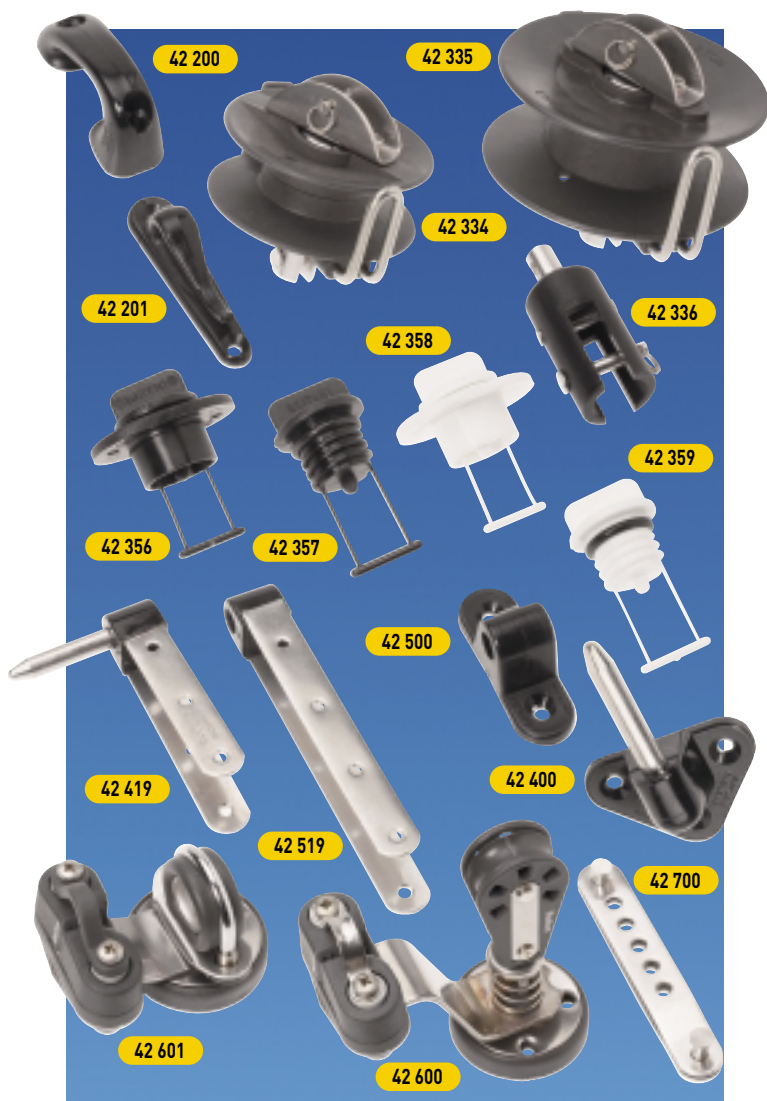
Part No.	Type	Bore Dia. mm	Cutting Dia. mm	Fastening Dia. mm	Weight grm
DRAIN BUNGS & SOCKETS					
42 356	Bung & Socket Black	15	22	4	11
42 357	Bung Only Black	15	-	-	7
42 358	Bung & Socket White	15	22	4	11
42 359	Bung Only White	15	-	-	7

Part No	Type	Length mm	Fastening mm	Max Line Dia.mm	Weight grm
SHEET & SPINNAKER FAIRLEAD					
42 200	Sheet Fairlead	65	5	14	16
42 201	Spinnaker Fairlead	75	4	8	8
RIGGING ADJUSTER					
42 700	Rigging Adjuster	91			

Part No.	Type	Strap Width mm	Fastening Dia. mm	Weight Grm
RUDDER & TRANSOM FITTINGS				
42 400	Transom Pintle	-	5	70
42 500	Transom Gudgeon	-	5	30
42 419	Rudder Pintle	19	5	91
42 422	Rudder Pintle	22	5	95
42 435	Rudder Pintle	35	5	104
42 450	Rudder Pintle	50	5	114
42 519	Rudder Gudgeon	19	5	81
42 522	Rudder Gudgeon	22	5	82
42 535	Rudder Gudgeon	35	5	91
42 550	Rudder Gudgeon	50	5	101

Part No	Type	Max Rope Dia.mm	Base Dia.mm	Fastening Dia.mm	Weight Grm
MAINSHEET SWIVELS & CAM					
42 600	Swivel Block With Cleat	10	58	5	250
42 601	Bullseye Swivel With Cleat	12	58	5	217

Part No	Type	Drum Dia.mm	Sail Area Sq. Ft.	Break Load.kg	SWL Kg	Weight Grm
FURLING GEARS						
42 334	Furling Drum	76	60	1108	554	218
42 335	Furling Drum	95	100	1108	554	281
42 336	Top Swivel	25	100	1108	554	55



Cleats, Thimbles, Fairleads & Bungs

Drain Bung & Socket

This screw type drain bung and socket is still the best available. Supplied complete with rubber 'o' ring for an extremely watertight seal. Available in black or white.

Tubular Cleats

Available in two sizes these handy cleats have many uses where light loads are expected.

Open Cleats

A wide range of open (Horn) cleats moulded from tough high strength black nylon.

Fairleads

Moulded from tough black nylon, these rope fairleads have a smooth snag free design and are supplied in handed pairs.

Thimbles

A range of thimbles moulded in white nylon.

Aluminium Cleats

Available in two sizes accepting lines up to 14mm. A well proven design, extremely strong and rugged, finished in a hard anodised satin finish.

Bases on fairlead options are from stainless steel.

Budget Cam

Of the same cam design as our 'K' Cam range, this low cost range features cams moulded from glass-reinforced nylon in light grey. An inexpensive cleat ideal for light applications.

Line dimensions and applications are as for 'K' Cams on the following page. All 'K' Cam accessories are compatible.

Part Number	Type	Length mm	Fastening Dia. mm	Weight Grm	Bore Grm
TUBULAR CLEATS					
52 120	Tube Cleat	55	4	4	8
52 121	Tube Cleat	80	6	13	13

Part Number	Type	Length mm	Fastening Dia. mm	Weight Grm
OPEN CLEATS				
52 140	Open Cleat	75	3	6
52 141	Open Cleat	100	4	12
52 142	Open Cleat	130	4	26
52 143	Open Cleat	170	5	49
52 144	Open Cleat	210	6	84
52 145	Open Cleat	245	8	157

Part Number	Type	Length mm	Width mm	Fastening Dia. mm	Weight grm	Max Rope Dia mm
FAIRLEADS (PAIRS)						
60 160	Fairlead	115	25	5	72	10
60 161	Fairlead	155	34	6	140	12

Part No.	Type	Length mm	Width mm	Max Line mm
THIMBLES				
60 404	Thimble	35	26	6
60 405	Thimble	38	28	8
60 406	Thimble	48	36	10
60 407	Thimble	53	40	12

Part No.	Type	Max Line Dia. mm	Hole Centres mm	Fastening Dia. mm	Holding Power. Kg
ALUMINIUM CAM CLEATS					
70 400	Ali Cam Cleat Midi	10	37	5	180
70 401	Ali Cam Cleat Midi/Fairlead	10	37	5	180
70 500	Ali Cam Cleat Maxi	14	50	5	230
70 501	Ali Cam Cleat Maxi/Fairlead	14	50	5	230

BUDGET CAM CLEATS					
70 600	Plastic Cam Cleat Mini	10	30	4	
70 601	Plastic Cam Cleat Midi	6 - 12	40	5	
70 602	Plastic Cam Cleat Maxi	10 - 14	50	5	



'K' Cam Cleats

'K' Cams are manufactured from a composite Kevlar/Zytal material. They are available in three sizes to accept lines up to 14mm diameter.

The use of this exotic Kevlar/Zytal composite offers performance advantages over carbon fibre and conventional glass reinforced resins. 'K' Cams are very strong, lightweight, have excellent wear resistance and a cam profile that makes them extremely efficient for line entry/release even under load.

A progressive tooth design ensures maximum holding power on all types of line whilst creating minimum wear on either cam or line.

Cams:

Utilise stainless steel leaf springs which give a soft smooth action. They are also stronger and have a longer life than conventional wire springs.

Cam Bases:

Cam bases feature a stainless steel wear bar for prolonged life.

Top Fairleads:

Incorporate stainless steel reinforcing for added strength and wear resistance.

Pillar Fairleads:

Enable the cleats to be engaged from a variety of angles. Cam can be fitted either way round to achieve a lead from either in front or behind. Stainless steel pillars add strength and wear resistance.

Colours:

Pillar and Top Fairleads are available in either Grey, Green, Red or Yellow.

Cam Top Caps:

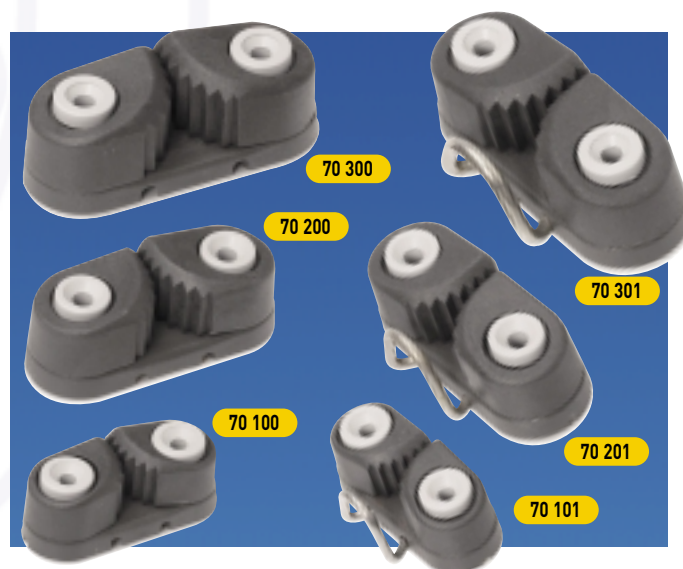
Cam top caps are supplied separately and can easily be fitted to colour code control lines. Supplied in packs containing two caps in Red, Green & Yellow.

Wire Front Fairleads:

Are from stainless steel and locate securely into the cleat base.

Wedge Mounts:

Angled wedge mounts are available to suit all three sizes of cleat.



Specifications:

'K' CAM MINI

Max Line Diameter:	10mm
Fastening Centres:	30mm
Fastening Diameter:	4mm
Holding Power:	190kgs
Weight:	17grms

'K' CAM MIDI

Max Line Diameter:	10 - 14mm
Fastening Centres:	50mm
Fastening Diameter:	5mm
Holding Power:	260kgs
Weight:	50grms

'K' CAM MAXI

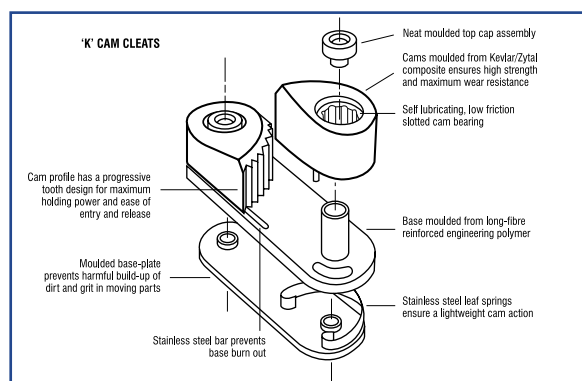
Max Line Diameter:	6 - 12mm
Fastening Centres:	40mm
Fastening Diameter:	5mm
Holding Power:	230kgs
Weight:	34grms

'K' Cams:

Are now supplied as cleats, fairleads and accessories available as separate components. Therefore you can select the correct cleat, fairlead etc in the colour you require from the table below.



'K' Cam Cleats



'K' Cam Mini	'K' Cam Midi	'K' Cam Maxi	Type	Colour
70 100	70 200	70 300	'K' CAM CLEAT	
			'K' Cam	Grey
70 101	70 201	70 301	'K' CAM CLEAT WITH FRONT FAIRLEAD	
			'K' Cam With Front F/Lead	Grey
70 104	70 204	70 304	WIRE FRONT FAIRLEAD ONLY	
			Wire Front Fairlead	Stainless
70 105	70 205	70 305	'K' CAM PILLAR FAIRLEAD ONLY	
			Pillar Fairlead Only	Grey
70 115	70 215	70 315	Pillar Fairlead Only	Green
70 125	70 225	70 325	Pillar Fairlead Only	Red
70 135	70 235	70 335	Pillar Fairlead Only	Yellow
70 106	70 206	70 306	'K' CAM CLEAT TOP FAIRLEAD ONLY	
			Top Fairlead	Grey
70 116	70 216	70 316	Top Fairlead	Green
70 126	70 226	70 326	Top Fairlead	Red
70 136	70 236	70 336	Top Fairlead	Yellow
70 140	70 240	70 340	WEDGE MOUNTS	
			Wedge Mount	Grey
70 141	70 241	70 341	CAM TOP CAPS	
			Top Caps Pack of two in Red, Green & Yellow	

Dinghy Mast Support

Dinghy Mast Support

Designed to support the aft end of dinghy masts when towing. Simply fits onto transom fittings and is instantly ready for use.

Fully adjustable for different transom heights and has removable pintles to accommodate different layouts.

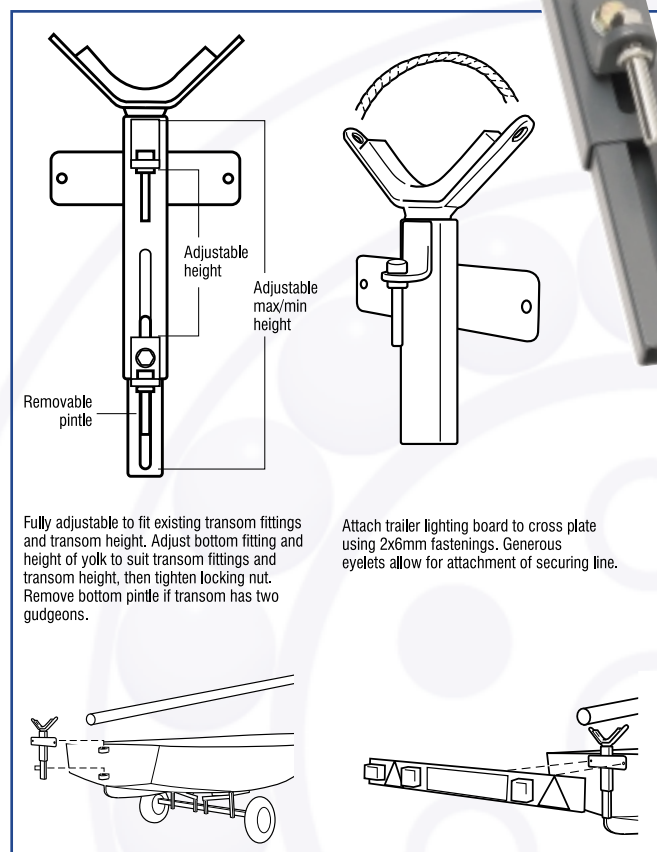
The cross strap will accept lighting boards. The yolk has tie down eyes and a soft neoprene pad to protect the mast.

Features

- Easy Fit
- Fully Adjustable
- No Fastenings
- Increased Safety
- Prevents Damage to Mast and Deck



Part Number	Type
42 300	Dinghy Mast Support



Tiller Extensions

Tiller Extensions:

Manufactured from Aluminium or PVC extruded tubes are available in a variety of lengths to suit most purposes.

All feature our flexible joint which can be easily removed from the tiller if required. Both types are grey in colour and are available with a golf grip or plain button end option.

Aluminium Extensions:

Are 'Spectro' Grey anodised which gives a good feel to the hand and will not degrade in sunlight.

Plastic Extruded Extensions:

Made from a heavy duty extruded PVC tube manufactured especially for Barton.

Coloured grey they are UV stabilised so will not degrade in sunlight and feature our light weight joint.

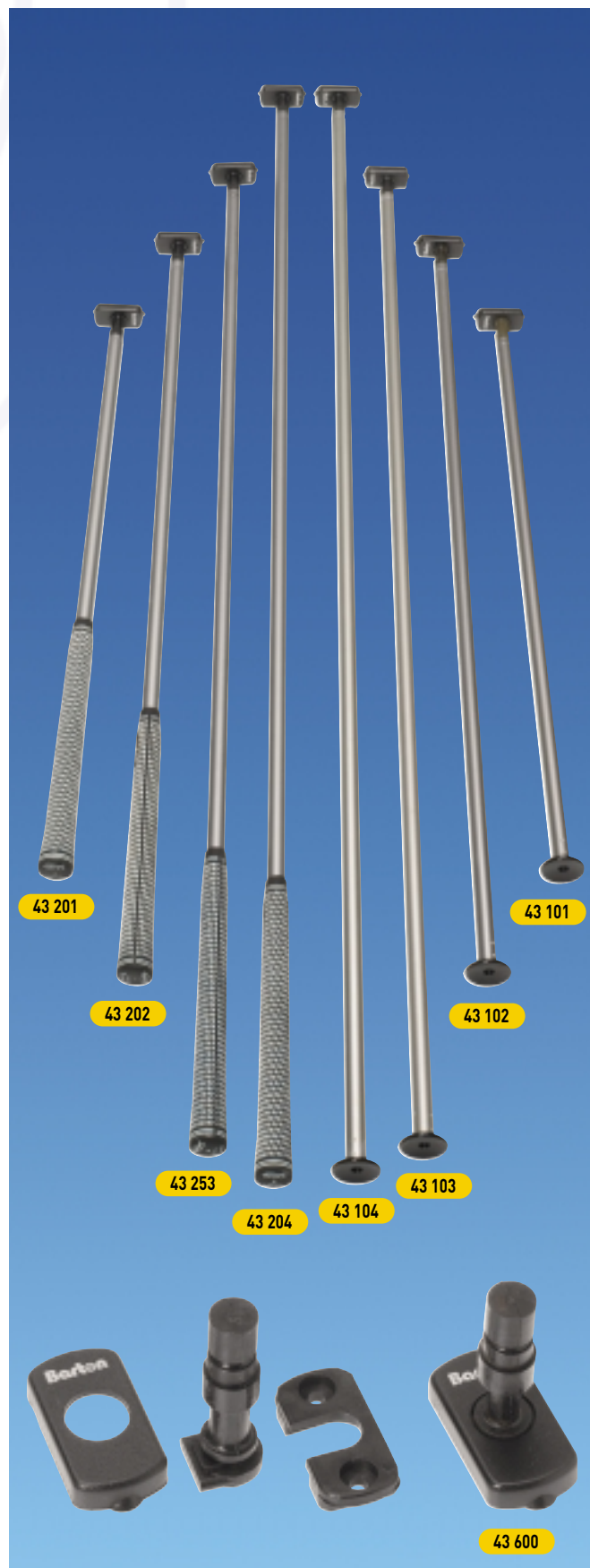
Flexible Tiller Joints:

Manufactured from high tech polymers that withstand countless flexings. This joint can be easily removed from the tiller assembly by popping off the snap on cover cap.

Two versions are available, the smaller diameter giving a softer action for shorter extensions.

Part No	Type	Length mm	Tube Dia.mm
PLAIN BUTTON ALUMINIUM EXTENSIONS			
43 101	Plain Extension	600	15
43 102	Plain Extension	700	15
43 103	Plain Extension	800	15
43 104	Plain Extension	900	15
43 105	Plain Extension	1050	15
43 106	Plain Extension	1200	15
GOLF GRIP ALUMINIUM EXTENSIONS			
43 201	Golf Grip Extension	600	15
43 202	Golf Grip Extension	700	15
43 203	Golf Grip Extension	800	15
43 204	Golf Grip Extension	900	15
43 205	Golf Grip Extension	1050	15
43 206	Golf Grip Extension	1200	15
PLAIN BUTTON PLASTIC EXTENSIONS			
43 001	Plain Extension	600	15
43 002	Plain Extension	700	15
43 003	Plain Extension	800	15
43 004	Plain Extension	900	15
GOLF GRIP PLASTIC EXTENSIONS			
43 011	Golf Grip Extension	600	15
43 012	Golf Grip Extension	700	15
43 013	Golf Grip Extension	800	15
43 014	Golf Grip Extension	900	15

Part No	Type	Tube id.mm	Length mm	Weight grm
FLEXIBLE TILLER JOINTS				
43 600	Flexible Joint	13	58	20
43 601	Light Flexible Joint	13	58	21



Inspection Covers

Barton offer a wide range of inspection covers in half turn, screw, locking and push fit versions. Round and square models are available.

Screw Inspection Covers:

Manufactured from high impact polycarbonate. These covers feature a coarse easy start thread and a built in 'o' ring seal to increase water-tightness.

They are available in four diameters in black or white.

A clear version is also available for visual inspection of water tanks etc.

Push Fit Inspection Covers:

A handy range of larger sized covers with a firm push fit action sealing onto a soft rubber 'o' ring. Some models are fitted with a lock down system activated by lifting the 'T' bar and turning through 90 degrees. UV and acetone resistant.

Square Inspection Covers:

Hinged on the top edge these covers feature the 'T' lock system and soft rubber seal. Available in white only, UV and acetone resistant.

Half Turn Covers:

This low cost unit is manufactured from nylon and locks down with a simple half turn action. Available in black or white.

Part No	Black	Clear	Type	Hole Dia.mm	Cutting Dia.mm	Overall Dia.mm	Fastening Dia.mm	Weight Grm
SCREW INSPECTION COVERS ROUND								
40 040	40 041	40 042	Screw	103	114	145	4	84
40 050	40 051	40 052	Screw	130	139	170	4	107
40 060	40 061	40 062	Screw	155	165	215	4	172
40 080	40 081	40 082	Screw	200	215	260	4	400
PUSH FIT INSPECTION COVERS ROUND								
40 220	40 221		Push Fit	195	205	240	5	326
40 240	40 241		'T' Lock	207	217	268	5	508
40 250	40 251		'T' Lock	257	267	317	5	739
HINGED INSPECTION COVERS SQUARE								
40 320			'T' Lock	178x279	208x310	260x362	5	900
40 340			'T' Lock	216x289	273x329	318x394	5	1134
HALF TURN INSPECTION COVERS ROUND								
40 120	40 121		Half Turn	98	107	135	4	48



General Chandlery

BULLSEYES:

A range of bullseyes for through deck or screw mounting. All feature a tough moulded plastic eye reinforced with stainless steel bar. Some models also have stainless steel inserts to prevent wear. Accept lines up to 16mm diameter.

CLEVIS PINS:

A comprehensive selection of clevis pins manufactured from 316 stainless steel as used on our block range supplied in handy packs of two.

DECK EYES & PAD EYES:

A wide range of attachment and fairlead eyes manufactured from stainless steel.

Pad eyes have solid stainless bar welded for extra security.

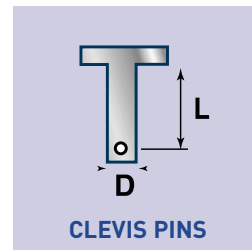
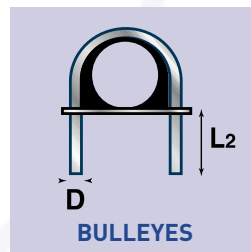
FOLDING PAD EYE:

All stainless pad eye with high holding ability. Folds flat to deck and has anti vibration rubber pad.

DOUBLE FOLDING PAD EYE:

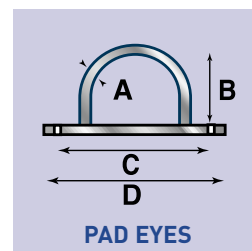
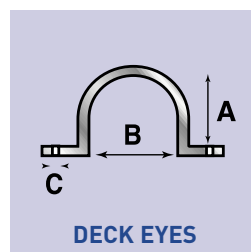
All stainless folding pad eye with anti vibration rubber pads. Has two take off rings which fold flat to the deck when not in use.

Part No	Type	Insert	Rope Dia.mm	D mm	L1 mm	L2 mm
BULLSEYES						
60 420	Through Deck	yes	16	6	57	18
60 421	Through Deck	yes	16	6	77	35
60 422	Through Deck	no	16	6	105	60
60 423	Screw Down	no	16	5	40	-



Part No	Type	Diameter 'D'	Length 'L'
CLEVIS PINS			
60 203	Clevis Pin	5 mm	15 mm
60 204	Clevis Pin	5 mm	18 mm
60 207	Clevis Pin	5 mm	24 mm
60 208	Clevis Pin	5 mm	33 mm
60 209	Clevis Pin	5 mm	39 mm
60 210	Clevis Pin	6 mm	10 mm
60 212	Clevis Pin	6 mm	23 mm

Part No	Type	Height 'A'	Width 'B'	Fastening Dia.
DECK EYES (STAINLESS)				
60 410	Deck Eye S/S	14 mm	14 mm	5 mm
60 411	Deck Eye S/S	18 mm	16 mm	6mm



Part No	Type	Dia. 'A'	Height 'B'	Centres 'C'	Width 'D'	Fastening Dia.
PAD EYES						
60 305	Pad Eye	4 mm	16 mm	30 mm	40 mm	5 mm
60 306	Pad Eye	6 mm	24 mm	44 mm	60 mm	5 mm
60 307	Pad Eye	8 mm	28 mm	55 mm	80 mm	6 mm
60 308	Pad Eye	10 mm	35 mm	60 mm	95 mm	8 mm

Part No	Type	Dia. 'A'	Height 'B'	Centres 'C'	Width 'D'	Fastening
FOLDING PAD EYE						
60 309	Pad Eye	6 mm	42 mm	36 mm	54mm	6mm
60 304	Double Pad Eye	6mm	42mm			6mm



General Chandlery

FAIRLEAD EYES:

Moulded from glass fibre reinforced nylon with stainless steel reinforcing. Available in three sizes in grey, green, red and yellow.

RIGGING LINKS & SWIVELS:

Pressed stainless steel rigging links with clevis pin and ring in pin sizes up to 6mm.

Four stainless steel swivels as used on our blocks are also offered.

SAFETY RINGS:

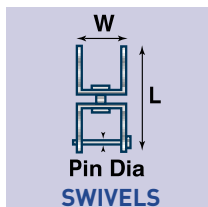
Easy fit stainless steel safety rings for use with our clevis pins. Supplied in two sizes in packs of ten.

SCREW KNOBS:

Easy grip moulded plastic screw knob with encapsulated 6mm stainless steel nut.

SCREW NUTS:

Moulded plastic screw nuts. Will accept up to No.10 wood or self tapping screws. A low cost alternative fastening supplied in packs of ten.



Part No	Type	Colour	Height 'A'	Width 'B'	Fastening Dia.
---------	------	--------	------------	-----------	----------------

FAIRLEAD EYES (PLASTIC)

70 106	Fairlead eye	Grey	9 mm	15 mm	4 mm
70 116	Fairlead eye	Green	9 mm	15 mm	4mm
70 126	Fairlead eye	Red	9 mm	15 mm	4mm
70 136	Fairlead eye	Yellow	9 mm	15 mm	4mm
70 206	Fairlead eye	Grey	12 mm	20 mm	5 mm
70 216	Fairlead eye	Green	12 mm	20 mm	5 mm
70 226	Fairlead eye	Red	12 mm	20 mm	5 mm
70 236	Fairlead eye	Yellow	12 mm	20 mm	5 mm
70 306	Fairlead eye	Grey	15 mm	25 mm	5 mm
70 316	Fairlead eye	Green	15 mm	25 mm	5 mm
70 326	Fairlead eye	Red	15 mm	25 mm	5 mm
70 336	Fairlead eye	Yellow	15 mm	25 mm	5 mm

Part No	Type	Pin Dia	Length 'L'	Width 'W'
---------	------	---------	------------	-----------

SWIVELS

60 700	Swivel	5 mm	33 mm	8 mm
60 701	Swivel	5 mm	33 mm	9 mm
60 702	Swivel	5 mm	33 mm	11 mm
60 703	Swivel	6 mm	45 mm	14 mm

Part No	Type	Dia.
---------	------	------

SAFETY RINGS

60 190	Safety Ring	10 mm
60 191	Safety Ring	14 mm

Part No	Type	Dia	Thread
---------	------	-----	--------

SCREW KNOB

60 131	Screw Knob	30 mm	6 mm
--------	------------	-------	------

Part No	Type	Qty	Fastening
---------	------	-----	-----------

SCREW NUTS

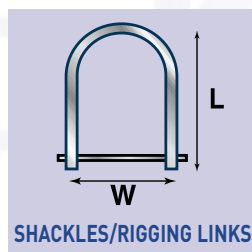
60 130	Screw Nuts	10	up to No.10
--------	------------	----	-------------



General Chandlery

SHACKLES:

A range of stainless steel screw pin strip and forged bar shackles as used on our products. Pin sizes up to 8mm are available.

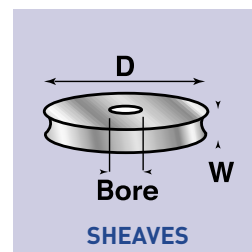


Part No	Type	Pin Dia	Length 'L'	Width 'W'
SHACKLES (SCREW PIN STRIP)				
60 310	Strip Shackle	5 mm	27 mm	10 mm
60 311	Strip Shackle	6 mm	38 mm	13 mm
60 312	Strip Shackle	8 mm	50 mm	16 mm
SHACKLES (SCREW PIN BAR)				
60 320	Bar Shackle	6 mm	38 mm	13 mm
60 321	Bar Shackle	6 mm	44 mm	20 mm
60 322	Bar Shackle	8 mm	49 mm	16 mm
60 323	Bar Shackle	8 mm	55 mm	20 mm
RIGGING LINKS				
60 343	Rigging Link	5 mm	30 mm	14 mm
60 344	Rigging Link	6 mm	37 mm	18 mm
60 350	Rigging Link	6 mm	50 mm	19 mm

SHEAVES:

A very comprehensive range of sheaves as used on our blocks and moulded from Acetal resin.

A wide range featuring our captive ball race sheave are also included.



Part No	Type	Dia 'D'	Width 'W'	Bore 'B'
SHEAVES (PLAIN BEARING)				
64 801	Plain Bearing	30 mm	11 mm	8mm
64 802	Plain Bearing	30 mm	14 mm	8mm
64 803	Plain Bearing	32 mm	17 mm	11 mm
64 804	Plain Bearing	35 mm	11 mm	8 mm
64 805	Plain Bearing	35 mm	18 mm	13 mm
64 806	Plain Bearing	38 mm	17 mm	13 mm
64 807	Plain Bearing	44 mm	17 mm	13 mm
64 808	Plain Bearing	44 mm	20 mm	13 mm
64 809	Plain Bearing	45 mm	11 mm	8 mm
64 810	Plain Bearing	45 mm	14 mm	8 mm
64 811	Plain Bearing	48 mm	20 mm	13 mm
64 812	Plain Bearing	57 mm	14 mm	8 mm
64 813	Plain Bearing	58 mm	17 mm	11 mm
64 814	Plain Bearing	64 mm	18 mm	13 mm
64 815	Plain Bearing	70 mm	18 mm	13 mm
64 816	Plain Bearing	70 mm	20 mm	13 mm
SHEAVES (BALL BEARING)				
64 901	Ball Bearing	30 mm	11 mm	4 mm
64 902	Ball Bearing	30 mm	14 mm	4 mm
64 903	Ball Bearing	32 mm	17 mm	6 mm
64 904	Ball Bearing	35 mm	11 mm	4 mm
64 906	Ball Bearing	38 mm	17 mm	6 mm
64 907	Ball Bearing	44 mm	17 mm	6mm
64 908	Ball Bearing	44 mm	20 mm	6mm
64 909	Ball Bearing	45 mm	11 mm	4 mm
64 910	Ball Bearing	45 mm	14 mm	4 mm
64 912	Ball Bearing	57 mm	14 mm	4 mm
64 913	Ball Bearing	58 mm	17 mm	6 mm
64 914	Ball Bearing	64 mm	18 mm	6 mm
64 915	Ball Bearing	70 mm	18 mm	6 mm
64 916	Ball Bearing	70 mm	20 mm	6 mm

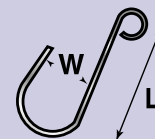


General Chandlery



'S' HOOKS:

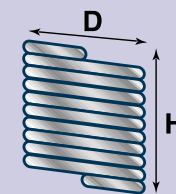
A handy fitting with a multitude of uses. Manufactured from stainless steel. Supplied as either a plain hook or with a spring latch fitted.



S HOOKS

STAND UP SPRINGS:

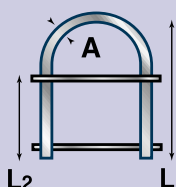
Ideal for mounting blocks to decks and prevent tumbling causing rope snags or damage. Either stainless steel or a soft plastic version is available in two sizes.



SPRINGS

'U' BOLTS:

From stainless steel bar and supplied with both top and backing washers.



'U' BOLTS

Part No	Type	Dia 'D'	Length 'L'	Width 'W'
'S' HOOKS				
60 708	'S' Hook Plain	6 mm	73 mm	19 mm
60 709	'S' Hook With Latch	6 mm	73 mm	19 mm

Part No	Type	Dia 'D'	Height 'H'
STAND UP SPRINGS			
60 120	Stainless	20 mm	35 mm
60 121	Stainless	30 mm	30 mm
60 122	Plastic	40 mm	50 mm
60 123	Plastic	48 mm	55 mm

Part No	Type	Dia 'D'	Length 'L' 1	Length 'L' 2
'U' BOLTS				
60 430	'U' Bolt	6 mm	60 mm	32 mm
60 431	'U' Bolt	6 mm	80 mm	52 mm
60 480	'U' Bolt	5 mm	80 mm	44 mm
60 481	'U' Bolt	6 mm	80 mm	42 mm
60 482	'U' Bolt	8 mm	60 mm	25 mm
60 483	'U' Bolt	8 mm	80 mm	40 mm
60 484	'U' Bolt	8 mm	90 mm	50 mm
60 485	'U' Bolt	8 mm	110 mm	70 mm
60 486	'U' Bolt	10 mm	130 mm	65 mm

Part Numbers Index

Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page
01 090	5	03 090	9	04 250	11	06 321	15	11 330	5	13 320	9	15 110	13	17 171	17
01 091	5	03 091	9	04 320	11	06 330	15	11 331	5	13 321	9	15 111	13	17 180	17
01 110	5	03 110	9	04 321	11	06 331	15			13 330	9	15 120	13	17 181	17
01 111	5	03 111	9	04 330	11	06 420	15	12 090	7	13 331	9	15 121	13	17 220	17
01 120	5	03 120	9	04 331	11	06 421	15	12 091	7	13 410	9	15 130	13	17 221	17
01 121	5	03 121	9	04 410	11	06 430	15	12 110	7	13 411	9	15 131	13	17 320	17
01 130	5	03 130	9	04 411	11	06 431	15	12 111	7	13 420	9	15 140	13	17 321	17
01 131	5	03 131	9	04 420	11	06 440	15	12 120	7	13 421	9	15 141	13	17 330	17
01 150	5	03 140	9	04 421	11	06 441	15	12 121	7	13 430	9	15 170	13	17 331	17
01 151	5	03 141	9	04 430	11	06 480	15	12 130	7	13 431	9	15 171	13	17 420	17
01 160	5	03 150	9	04 431	11	06 481	15	12 131	7	13 440	9	15 180	13	17 421	17
01 170	5	03 151	9	04 440	11	06 631	15	12 140	7	13 441	9	15 181	13	17 430	17
01 180	5	03 160	9	04 441	11	06 641	15	12 141	7	13 480	9	15 220	13	17 431	17
01 190	5	03 161	9	04 480	11	06 681	15	12 150	7	13 481	9	15 221	13	17 440	17
01 210	5	03 170	9	04 481	11	06 930	15	12 151	7	13 511	9	15 320	13	17 441	17
01 211	5	03 171	9	04 531	11	06 931	15	12 160	7	13 531	9	15 321	13	17 480	17
01 220	5	03 180	9	04 541	11			12 170	7	13 541	9	15 330	13	17 481	17
01 221	5	03 181	9	04 571	11	07 110	17	12 171	7	13 571	9	15 331	13	17 631	17
01 230	5	03 190	9	04 630	11	07 111	17	12 180	7	13 631	9	15 420	13	17 641	17
01 231	5	03 210	9	04 631	11	07 120	17	12 190	7	13 641	9	15 421	13	17 681	17
01 250	5	03 211	9	04 641	11	07 121	17	12 210	7	13 681	9	15 430	13	17 930	17
01 280	5	03 220	9	04 681	11	07 130	17	12 211	7	13 731	9	15 431	13	17 931	17
01 320	5	03 221	9	04 731	11	07 131	17	12 220	7			15 440	13	19 000	29
01 321	5	03 230	9	04 930	11	07 140	17	12 221	7	14 090	11	15 441	13	19 010	29
01 330	5	03 231	9	04 931	11	07 141	17	12 230	7	14 091	11	15 480	13	19 020	29
01 331	5	03 250	9			07 170	17	12 231	7	14 110	11	15 481	13	19 030	29
		03 320	9	05 110	13	07 171	17	12 250	7	14 111	11	15 631	13	19 040	29
02 090	7	03 321	9	05 111	13	07 180	17	12 280	7	14 120	11	15 641	13	19 050	29
02 091	7	03 330	9	05 120	13	07 181	17	12 290	7	14 121	11	15 680	13	19 060	29
02 110	7	03 331	9	05 121	13	07 220	17	12 320	7	14 130	11	15 930	13	19 100	29
02 111	7	03 410	9	05 130	13	07 221	17	12 321	7	14 131	11	15 931	13	19 101	29
02 120	7	03 411	9	05 131	13	07 320	17	12 330	7	14 140	11	16 110	15	19 102	29
02 121	7	03 420	9	05 140	13	07 321	17	12 331	7	14 141	11	16 111	15	19 103	29
02 130	7	03 421	9	05 141	13	07 330	17	12 410	7	14 150	11	16 120	15	19 105	29
02 131	7	03 430	9	05 170	13	07 331	17	12 411	7	14 151	11	16 121	15	19 900	29
02 140	7	03 431	9	05 171	13	07 420	17	12 420	7	14 160	11	16 130	15	19 901	29
02 141	7	03 440	9	05 180	13	07 421	17	12 421	7	14 170	11	16 131	15	19 902	29
02 150	7	03 441	9	05 181	13	07 430	17	12 430	7	14 171	11	16 140	15		
02 151	7	03 480	9	05 220	13	07 431	17	12 431	7	14 180	11	16 141	15	20 000	25
02 160	7	03 481	9	05 221	13	07 440	17	12 440	7	14 181	11	16 142	15	20 001	25
02 161	7	03 511	9	05 320	13	07 441	17	12 441	7	14 190	11	16 170	15	20 002	25
02 170	7	03 531	9	05 321	13	07 480	17	12 531	7	14 210	11	16 171	15	20 003	25
02 171	7	03 541	9	05 330	13	07 481	17	12 541	7	14 211	11	16 180	15	20 010	25
02 180	7	03 571	9	05 331	13	07 631	17	12 571	7	14 220	11	16 181	15	20 012	25
02 190	7	03 631	9	05 420	13	07 641	17	12 631	7	14 221	11	16 220	15	20 013	25
02 210	7	03 641	9	05 421	13	07 681	17	12 641	7	14 230	11	16 221	15	20 020	25
02 211	7	03 681	9	05 430	13	07 930	17	12 731	7	14 231	11	16 320	15	20 022	25
02 220	7	03 731	9	05 431	13	07 931	17			14 250	11	16 321	15	20 023	25
02 221	7			05 440	13			13 090	9	14 320	11	16 330	15	20 030	25
02 230	7	04 090	11	05 441	13	11 090	5	13 091	9	14 321	11	16 331	15	20 032	25
02 231	7	04 091	11	05 480	13	11 091	5	13 110	9	14 330	11	16 420	15	20 033	25
02 250	7	04 110	11	05 481	13	11 110	5	13 111	9	14 331	11	16 421	15	20 040	25
02 280	7	04 111	11	05 631	13	11 111	5	13 120	9	14 410	11	16 430	15	20 042	25
02 290	7	04 120	11	05 641	13	11 120	5	13 121	9	14 411	11	16 431	15	20 043	25
02 320	7	04 121	11	05 680	13	11 121	5	13 130	9	14 420	11	16 440	15	20 050	25
02 321	7	04 130	11	05 930	13	11 130	5	13 131	9	14 421	11	16 441	15	20 052	25
02 330	7	04 131	11	05 931	13	11 131	5	13 140	9	14 430	11	16 480	15	20 053	25
02 331	7	04 140	11			11 150	5	13 141	9	14 431	11	16 481	15	20 060	25
02 410	7	04 141	11	06 110	15	11 151	5	13 150	9	14 440	11	16 631	15	20 062	25
02 411	7	04 150	11	06 111	15	11 160	5	13 151	9	14 441	11	16 641	15	20 063	25
02 420	7	04 151	11	06 120	15	11 170	5	13 160	9	14 480	11	16 681	15	20 100	25
02 421	7	04 160	11	06 121	15	11 180	5	13 170	9	14 481	11	16 930	15	20 101	24
02 430	7	04 170	11	06 130	15	11 190	5	13 171	9	14 531	11	16 931	15	20 103	24
02 431	7	04 171	11	06 131	15	11 210	5	13 180	9	14 541	11	17 110	17	20 105	24
02 440	7	04 180	11	06 140	15	11 211	5	13 181	9	14 571	11	17 111	17	20 107	24
02 441	7	04 181	11	06 141	15	11 220	5	13 190	9	14 630	11	17 120	17	20 110	24
02 531	7	04 190	11	06 170	15	11 221	5	13 210	9	14 631	11	17 121	17	20 112	24
02 541	7	04 210	11	06 171	15	11 230	5	13 211	9	14 641	11	17 130	17	20 113	24
02 571	7	04 211	11	06 180	15	11 231	5	13 220	9	14 681	11	17 131	17	20 114	24
02 631	7	04 220	11	06 181	15	11 250	5	13 221	9	14 731	11	17 140	17	20 117	24
02 641	7	04 221	11	06 220	15	11 280	5	13 230	9	14 930	11	17 141	17	20 200	28
02 731	7	04 230	11	06 221	15	11 320	5	13 231	9	14 931	11	17 170	17	20 201	28
		04 231	11	06 320	15	11 321	5	13 250	9						

Part Numbers Index

Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page	Part No	Page
20 202	28	24 112	24	30 022	25	40 320	49	52 100	43	64 802	52	70 600	45	95 223	18
20 300	24	24 113	24	30 023	25	40 340	49	52 110	43	64 803	52	70 601	45	95 230	18
21 000	38	24 114	24	30 030	25	41 130	40	52 111	43	64 804	52	70 602	45	95 231	18
21 001	38	24 117	24	30 032	25	41 140	40	52 120	45	64 805	52	80 500	32	95 232	18
21 002	38	24 200	28	30 033	25	41 143	40	52 121	45	64 806	52	80 501	32	95 233	18
21 011	38	24 201	28	30 040	25	41 150	40	52 140	45	64 807	52	80 502	32	95 300	18
21 022	38	24 202	28	30 042	25	41 151	40	52 141	45	64 808	52	81 582	32	95 301	18
21 033	38	24 300	24	30 043	25	41 152	40	52 142	45	64 809	52	81 583	32	95 302	18
21 034	38	25 000	35	30 050	25	41 153	40	52 143	45	64 810	52	81 584	32	95 303	18
21 050	38	25 010	35	30 052	25	41 483	41	52 144	45	64 811	52	81 585	32	95 304	18
21 055	38	25 020	35	30 053	25	41 484	41	52 145	45	64 812	52	81 586	32	95 305	18
21 100	39	25 030	35	30 060	25	41 496	41	60 120	53	64 813	52	81 682	32	95 320	18
21 101	39	25 040	35	30 062	25	41 497	41	60 121	53	64 814	52	81 683	32	95 321	18
21 200	39	25 050	35	30 063	25	41 517	41	60 122	53	64 815	52	81 684	32	95 322	18
21 201	39	25 060	35	30 100	25	41 518	41	60 123	53	64 816	52	81 685	32	95 323	18
21 202	39	25 100	35	30 101	24	42 200	44	60 130	51	64 901	52	81 686	32	95 330	18
21 210	39	25 200	35	30 103	24	42 201	44	60 131	51	64 902	52	82 100	21	95 331	18
21 211	39	25 210	35	30 105	24	42 300	47	60 142	43	64 903	52	82 200	21	95 332	18
21 212	39	25 220	35	30 107	24	42 334	44	60 160	45	64 904	52	82 300	21	95 333	18
21 323	38	25 221	35	30 110	24	42 335	44	60 161	45	64 906	52	82 995	21	95 400	18
21 641	39	25 300	35	30 112	24	42 336	44	60 190	51	64 907	52	82 996	21	95 401	18
21 642	39	25 301	35	30 113	24	42 356	44	60 191	51	64 908	52	82 997	21	95 402	18
21 643	39	25 302	35	30 114	24	42 357	44	60 203	50	64 909	52	82 998	21	95 403	18
21 644	39	25 303	35	30 117	24	42 358	44	60 204	50	64 910	52	82 999	21	95 404	18
22 000	33	25 304	35	30 200	28	42 359	44	60 207	50	64 912	52	82 999	21	95 405	18
22 010	33	25 310	35	30 201	28	42 400	44	60 208	50	64 913	52	90 100	20	95 420	18
22 020	33	25 311	35	30 202	28	42 419	44	60 209	50	64 914	52	90 101	20	95 421	18
22 030	33	25 900	35	30 300	24	42 422	44	60 210	50	64 915	52	90 200	20	95 422	18
22 040	33	25 901	35	32 000	37	42 435	44	60 212	50	64 916	52	90 201	20	95 423	18
22 050	33	26 000	30	32 010	37	42 450	44	60 304	50	70 100	47	90 300	20	95 430	18
22 060	33	26 010	30	32 020	37	42 500	44	60 305	50	70 101	47	90 301	20	95 431	18
22 100	33	26 020	30	32 030	37	42 519	44	60 306	50	70 104	47	90 302	20	95 432	18
22 200	33	26 030	30	32 040	37	42 522	44	60 307	50	70 105	47	90 400	20	95 433	18
22 210	33	26 040	30	32 050	37	42 535	44	60 308	50	70 106	47	90 401	20	95 437	18
22 220	33	26 050	30	32 060	37	42 550	44	60 309	50	70 115	47	90 402	20	95 438	18
22 221	33	26 060	30	32 100	37	42 600	44	60 310	52	70 116	47	91 200	19	95 439	18
22 300	33	26 101	30	32 101	37	42 601	44	60 311	52	70 117	47	91 300	19	95 500	18
22 301	33	26 102	30	32 200	37	42 700	44	60 312	52	70 125	47	91 301	19	95 501	18
22 310	33	26 103	30	32 201	37	43 001	48	60 320	52	70 126	47	91 302	19	95 502	18
22 311	33	26 104	30	32 210	37	43 002	48	60 321	52	70 135	47	91 400	19	95 503	18
22 312	33	26 110	30	32 211	37	43 003	48	60 322	52	70 136	47	91 500	19	95 504	18
22 900	33	26 111	30	32 220	37	43 004	48	60 323	52	70 140	47	91 600	19	95 505	18
22 901	33	26 900	30	32 221	37	43 004	48	60 343	52	70 141	47	91 650	19	95 520	18
24 000	25	26 901	30	32 300	37	43 011	48	60 344	52	70 200	47	91 700	19	95 521	18
24 001	25	26 902	30	32 301	37	43 012	48	60 350	52	70 201	47	91 740	19	95 522	18
24 002	25	28 000	31	32 302	37	43 013	48	60 404	45	70 204	47	91 750	19	95 523	18
24 003	25	28 010	31	32 304	37	43 014	48	60 405	45	70 205	47	95 100	18	95 530	18
24 010	25	28 020	31	32 310	37	43 101	48	60 406	45	70 206	47	95 101	18	95 531	18
24 012	25	28 030	31	32 311	37	43 102	48	60 407	45	70 215	47	95 102	18	95 532	18
24 013	25	28 040	31	32 312	37	43 103	48	60 410	50	70 216	47	95 103	18	95 533	18
24 020	25	28 050	31	32 900	37	43 104	48	60 411	50	70 225	47	95 104	18	95 600	18
24 022	25	28 060	31	32 901	37	43 105	48	60 420	50	70 226	47	95 105	18	95 601	18
24 023	25	28 101	31	40 040	49	43 106	48	60 421	50	70 235	47	95 120	18	95 602	18
24 030	25	28 102	31	40 041	49	43 201	48	60 422	50	70 236	47	95 121	18	95 603	18
24 032	25	28 103	31	40 042	49	43 202	48	60 423	50	70 240	47	95 122	18	95 604	18
24 033	25	28 104	31	40 050	49	43 203	48	60 430	53	70 241	47	95 123	18	95 605	18
24 040	25	28 105	31	40 051	49	43 204	48	60 431	53	70 300	47	95 130	18	95 620	18
24 042	25	28 110	31	40 052	49	43 205	48	60 480	53	70 301	47	95 131	18	95 621	18
24 043	25	28 111	31	40 060	49	43 206	48	60 481	53	70 304	47	95 132	18	95 622	18
24 050	25	28 112	31	40 061	49	43 600	48	60 482	53	70 305	47	95 133	18	95 623	18
24 052	25	28 900	31	40 062	49	43 601	48	60 483	53	70 306	47	95 137	18	95 630	18
24 053	25	28 901	31	40 080	49	44 010	42	60 484	53	70 315	47	95 138	18	95 631	18
24 060	25	28 902	31	40 081	49	44 020	42	60 485	53	70 316	47	95 139	18	95 632	18
24 062	25	30 000	25	40 082	49	44 030	42	60 486	53	70 325	47	95 200	18	95 633	18
24 063	25	30 001	25	40 120	49	44 035	42	60 700	51	70 326	47	95 201	18		
24 100	25	30 002	25	40 121	49	44 040	42	60 701	51	70 335	47	95 202	18		
24 101	24	30 003	25	40 220	49	51 250	43	60 702	51	70 336	47	95 203	18		
24 103	24	30 010	25	40 221	49	51 253	43	60 703	51	70 340	47	95 204	18		
24 105	24	30 012	25	40 240	49	51 254	43	60 708	53	70 341	47	95 205	18		
24 107	24	30 013	25	40 241	49	51 320	43	60 709	53	70 400	45	95 220	18		
24 110	24	30 020	25	40 250	49	51 322	43	60 750	41	70 401	45	95 221	18		
				40 251	49	51 323	43	64 801	52	70 500	45	95 222	18		
										70 501	45				

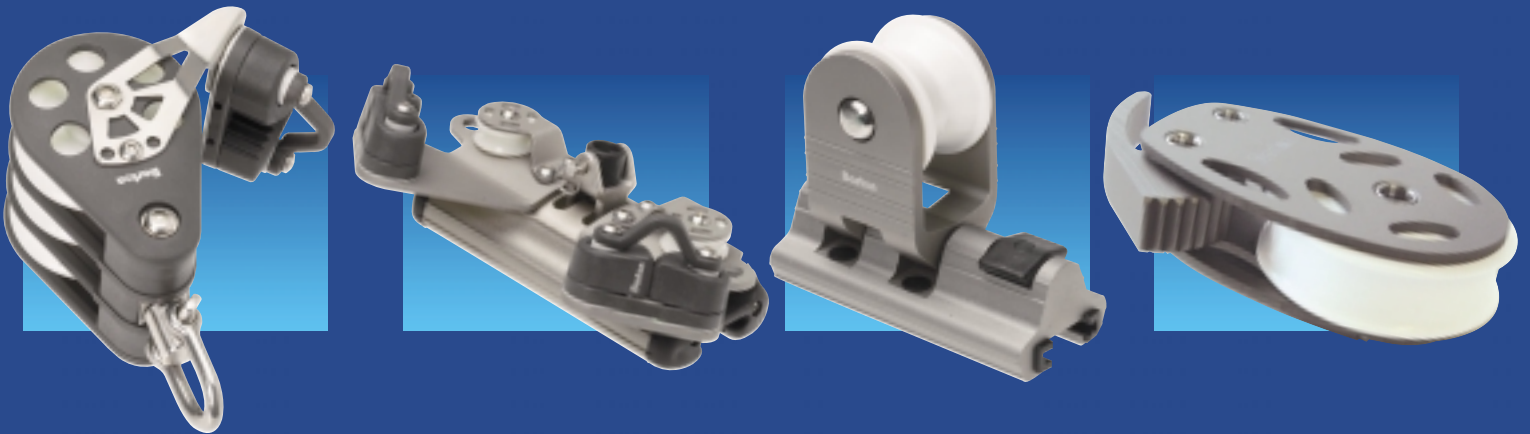
Barton

MARINE

Barton Marine Equipment Limited
Tyler Way Whitstable
Kent CT5 2RS England

t 44 (0)1227 273917 f 44 (0)1227 770148
e sales@bartonmarine.com

www.bartonmarine.com



U L T I M A T E S O L U T I O N