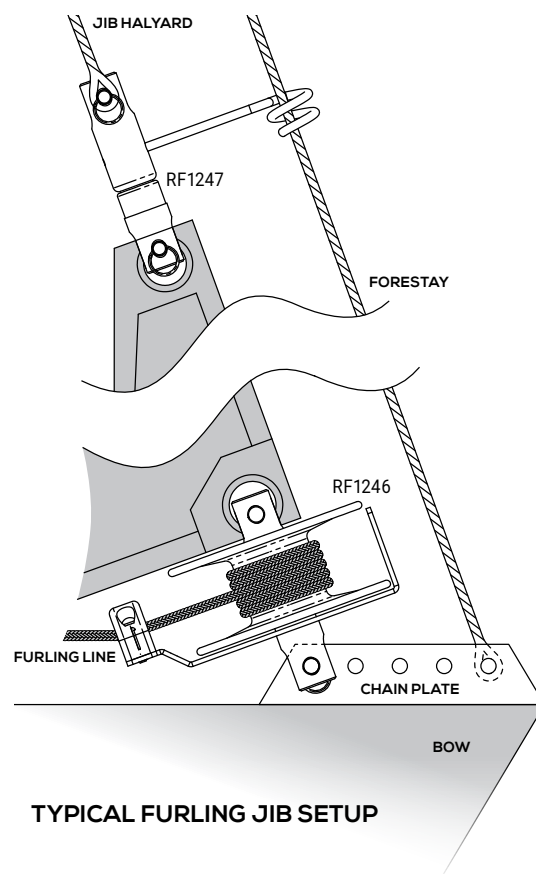


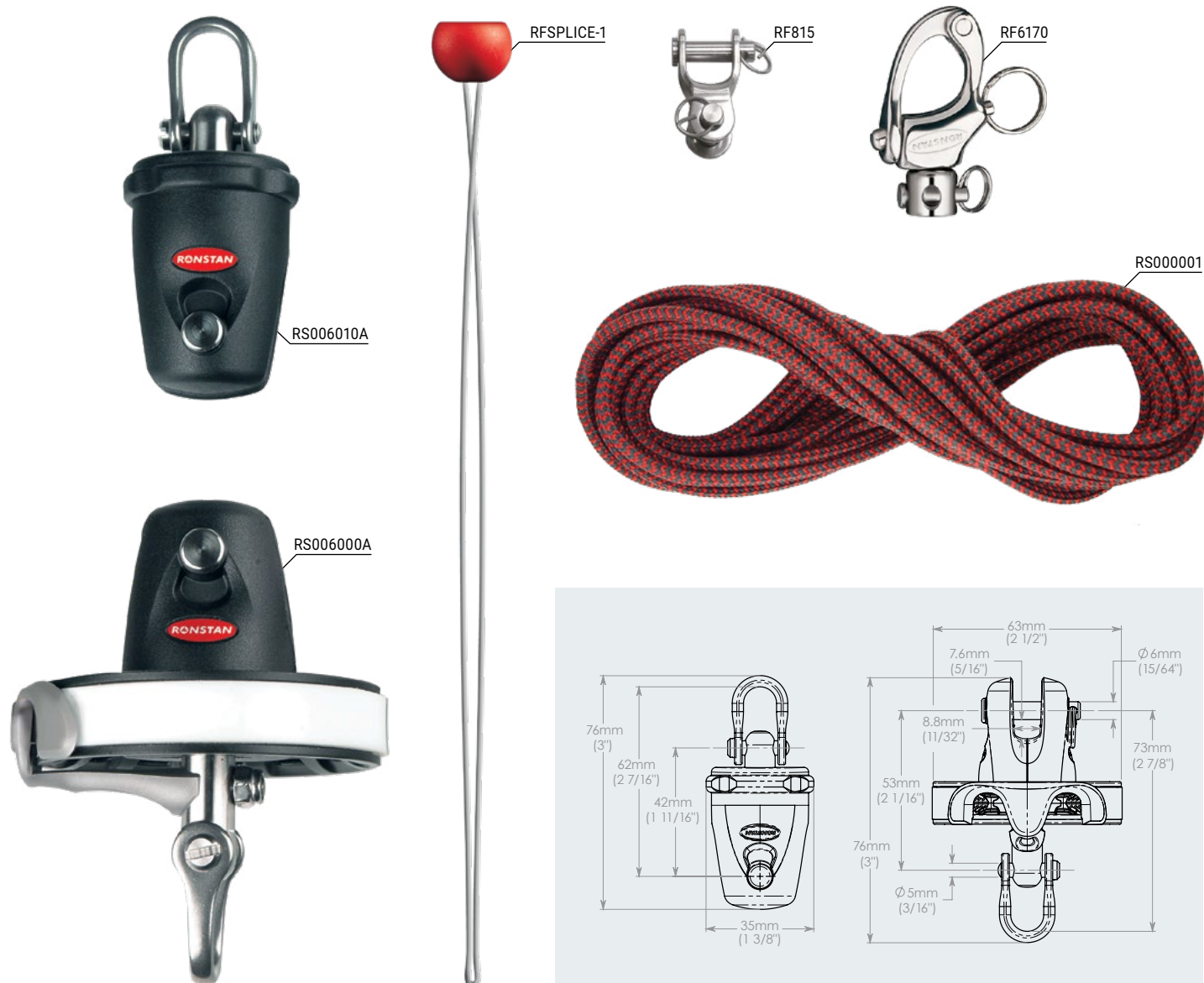


© Matic Krašovec / Seascope



TYPICAL FURLING JIB SETUP

PRODUCT No.	DESCRIPTION	B.L. kg	WEIGHT g	B.L. lb	WEIGHT oz
Small Boat Drum Furlers					
RF3	Staunchion block for furling lines 12mm (1/2") maximum rope diameter	-	30	-	1.1
RF76	Jib furler, 65mm (2 1/2") diameter. Enclosed acetal drum with stainless steel ball bearing swivel unit. Overall height 80mm (3 1/8")	1700	155	3740	5.5
RF78B	Fork/Eye swivel, 6.4mm (1/4") diameter pin and 8.2mm (5/16") diameter hole. See page 207 for further details	1700	60	3740	2.1
RF1246	Jib furler, 114mm (4 1/2") diameter. Glass-reinforced nylon drum with stainless steel ball bearing swivel unit and furling line lead-arm. Overall height 114mm (4 1/2")	2600	500	5720	17.6
RF1247	Fork/Fork swivel, incorporating forestay location bar, 7.9mm (5/16") diameter pins. See page 207 for further details	2600	240	5720	8.5



- ✓ Optimised drum diameter for power and furling efficiency, combined with minimum weight.
- ✓ Alloy drum with ribbed rope groove profile for maximum grip on furling line.
- ✓ Furling line self-ejects from drum grip area as sail unfurls for fast, smooth deployment.
- ✓ Free running stainless steel bearings and ball races to minimise friction for high speed furling.
- ✓ Low profile design allows maximum luff length/sail area.
- ✓ The pre-spliced furling line can be shortened if required and respliced using the RFSPLICE-1 splicing needle. See the SUPPORT tab at www.ronstan.com for details.
- ⚙ Furling on off-the-beach dinghies, multihulls and sportsboats to 7m (23ft).
- ⚙ Low friction PTFE perimeter strip prevents furling line snagging or fouling.
- ⚙ Hard anodised aluminium drum for maximum durability.
- ⚙ Glass filled, thermoplastic swivel body for minimum weight aloft.
- ⚙ Highly polished stainless steel rope guide for low friction and minimal rope wear.

PRODUCT No.	DESCRIPTION	DRUM DIAM. mm	SWIVEL DIAM. mm	LINE mm	M.W.L. kg	B.L. kg	WEIGHT g	DRUM DIAM. in	SWIVEL DIAM. in	LINE in	M.W.L. lb	B.L. lb	WEIGHT oz
Furler & Top Swivel													
RS006000A	Gennaker furler	63	-	5	500	1300	138	2 1/2	-	3/16	1100	2860	4.9
RS006010A	Top swivel	-	35	-	500	1300	85	-	1 3/8	-	1100	2860	3.0
Accessories													
RF815	Two-way link, 5mm (3/16") pin, suits RS006000					1100	14					2425	0.5
RF6170	Snap shackle adapter, swivelling, 16mm (5/8") eye clearance, suits RS006000				500	1000	49				1100	2200	1.7
RFSPLICE-1	Splicing needle						10						0.4
RS000001	Pre-spliced continuous furling line, 5mm (3/16") diameter x 8m (26ft) loop						135						5.1



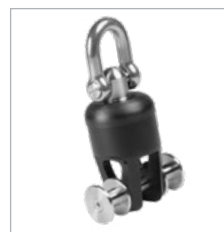
Lightweight machined drum



Secure, snag-free connections



Rotation stop accessory



Top swivel with optional lashing pin



Retained, quick release clevis pins



Top-down models



CONTINUOUS LINE FURLERS

REFINED DESIGN, PERFORMANCE & RELIABILITY

Our Continuous Line Furlers put great performance and reliability within the reach of cruising and racing sailors alike.

Advanced drum technology

The range matches drum diameters to load ratings providing the optimum balance between speed and ease of furling. Drums incorporate a machined groove profile and cross-hole geometry to grip the furling line securely. When deploying the sail the continuous furling line self-ejects from the grip zone, remaining stationary for smoother, safer operation with minimum rope wear. A low friction plastic perimeter strip ensures the unloaded furling line can't fall from the drum or become snagged.

Maintenance free bearing system

Furlers and top swivels feature a factory sealed, maintenance free bearing. Roller bearing sets run on hardened races for smooth high load performance.

Easy continuous line installation and removal

The continuous furling line is easily fitted and removed from the furler, so it can be left on deck when the sail and furler are stowed below.

Top-Down models for soft luff sails

Top-down furling provides a new level of simplicity, safety and speed for handling of soft luff sails such as asymmetric spinnakers and gennakers. Cruisers can now store, deploy and retrieve these sails as simply as they would a furling headsail from the safety and convenience of the cockpit. Racers too can benefit from the characteristics of top-down to allow superfast retrieval of code zeros by pre-winding the torsion rope and firing the sheet when ready. Ronstan furlers are available with top-down adapters or in dedicated top-down models with practical accessories such as top swivel lashing pins to provide the perfect solution.

Secure & flexible attachment options

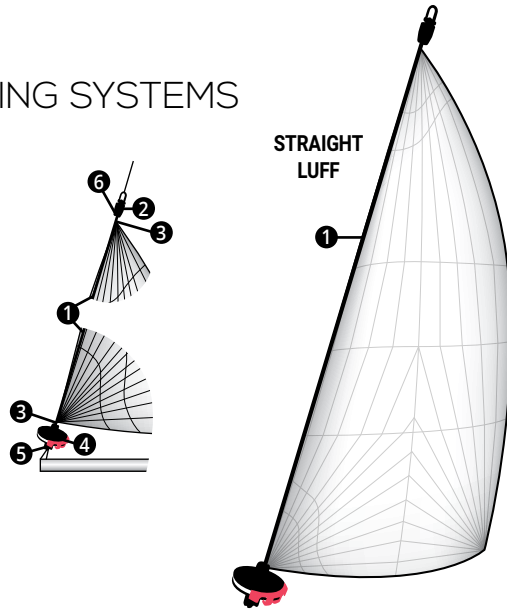
Furlers and top swivels have retained clevis pins and top swivels have a snag-free low profile shackle pin head. Attachment options include quick release pins, high resistance shackles, snap shackles, fairleads and torsion rope thimbles. The furling line guide can be adjusted to suit either 0° or 90° attachment, as required to match the take-off alignment and deck layout.

Rotation stop accessory

A compact rotation stop can be added to compatible models of furlers to avoid inadvertent unfurling of the sail. The rotation stop is simply installed on the underside of the furler and can be locked out when in use, or in when the sail is furled or stowed.

STANDARD FURLING SYSTEMS

- 1 Torsion rope
- 2 Top swivel
- 3 Thimble
- 4 Standard furler
- 5 2:1 or 3:1 fairlead, shackle or snap shackle to padeye
- 6 Neoprene top swivel cover

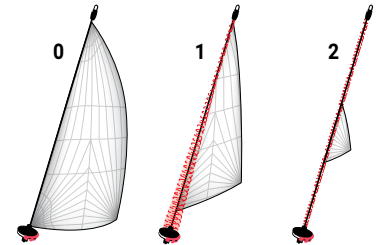


Applications: Sails with a "straight" luff.

For upwind sailing, true wind angles less than 90°.

• Code Zero • Screecher • Staysail

How it works:

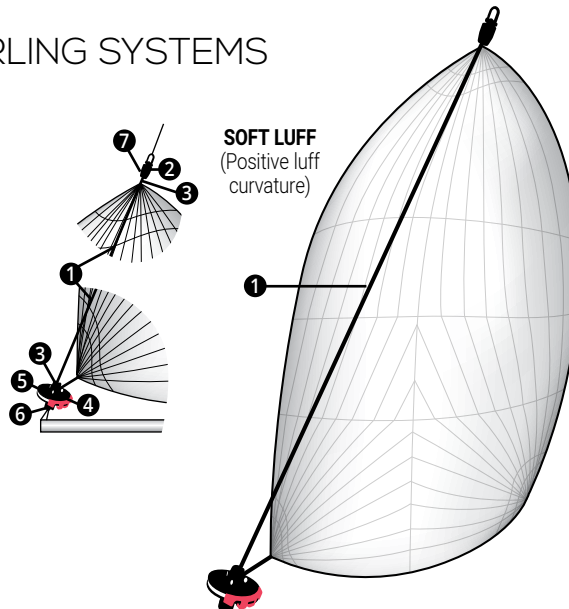


1. Furling drum rotated. Winds sail around torsion rope along full length.

2. Sail continues to furl along full length of torsion rope.

TOP-DOWN FURLING SYSTEMS

- 1 Torsion rope
- 2 Top swivel
- 3 Thimble
- 4 Top-down furler or standard furler with top-down adapter (S200 & S280)
- 5 Integrated swivel ring
- 6 2:1 or 3:1 fairlead, shackle or snap shackle to padeye
- 7 Neoprene top swivel cover

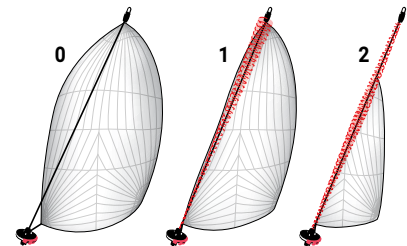


Applications: Sails with a "soft" luff, and full mid-section.

For downwind sailing, true wind angle greater than 90°.

• Code 1-6 • Reacher • Runner • Gennaker

How it works:



1. Furling drum rotated. Tack remains stationary on 'floating' swivel ring while torsion rope rotates top swivel, commencing to wind sail around torsion rope from top and full mid-section.

2. Sail continues to furl from top down.

SELECTION GUIDE

FURLERS

TYPICAL MAXIMUM BOAT SIZE

SERIES	Code Zero (Standard Furling)			Spinnaker (Top-Down Furling)		
	Monohull LOA	Multihull LOA	Sail Area	Monohull LOA	Multihull LOA	Sail Area
Series 80	9m (30')	8m (26')	40m ² (430ft ²)	10m (33')	8m (26')	75m ² (805ft ²)
Series 120	12m (40')	10m (33')	90m ² (965ft ²)	14m (46')	12m (40')	140m ² (1505ft ²)
Series 160	14m (46')	12m (40')	130m ² (1395ft ²)	16m (53')	14m (46')	200m ² (2150ft ²)
Series 200	18m (60')	15m (50')	270m ² (2900ft ²)	21m (69')	18m (60')	400m ² (4305ft ²)
Series 280	21m (69')	18m (60')	350m ² (3765ft ²)	25m (82')	21m (69')	525m ² (5650ft ²)

ACCESSORIES



SERIES	Neoprene Top Swivel Cover	Snap Shackle	2:1 or 3:1 Fairlead	3:1 Fairlead	Thimble	Shackle	Plunger Stop	Top Swivel Lashing Pin	Quick Release Pin
Series 80	RS208015	RS208020	RS208030	-	RS208040	RS208050	-	RS208080	-
Series 120	RS212015	RS212020	RS212030	-	RS212040	RS212050	RS212070	RS212080	RS212090
Series 160	RS216015	RS216020	RS216030	-	RS216040	RS216050	RS216070	RS216080	RS216090
Series 200	RS220015	-	-	RS220030	RS220040	RS020050	RS216070	-	-
Series 280	RS228015	-	-	RS228030	RS228040	RS020050R	-	-	-

TOP SWIVELS



RS208010



RS212010



RS216010

TOP-DOWN FURLERS



RS208100



RS212100



RS216100

STANDARD FURLERS



RS208000



RS212000



RS216000

- ✓ Series 80, 120 & 160 furlers include a shackle on the underside of the furler.
- ✓ Top swivels feature snag-free low profile shackle pin heads.
- ✓ Quick furling line installation and removal requires no tools.

- ✓ Maintenance free, factory sealed main bearing systems.
- ✓ Dimensioned technical drawings and user instructions can be found under the SUPPORT tab at www.ronstan.com.
- ✓ Grade 17-4PH forged stainless steel shackles.

- ✓ Grade 316 stainless steel fasteners.
- ✓ Grade 2205 stainless steel shaft and pins.
- ✓ Aluminium drum, swivel jaws & line guide.
- ✓ HDPE perimeter strip.
- ✓ Torlon® ball bearings (top-down swivel ring).

PRODUCT No.	DESCRIPTION	LINE mm	M.W.L. kg	B.L. kg	WEIGHT g	LINE in	M.W.L. lb	B.L. lb	WEIGHT oz
Top Swivels									
RS208010	Series 80, top swivel	-	950	1900	134	-	2090	4190	4.7
RS212010	Series 120, top swivel	-	1800	3600	204	-	3970	7940	7.2
RS216010	Series 160, top swivel	-	3000	6000	382	-	6610	13230	13.5
Top-Down Furlers									
RS208100	Series 80, top-down furler	8	475*1 / 950*2	1900	266	5/16	1045*1 / 2090*2	4190	9.4
RS212100	Series 120, top-down furler	8	900*1 / 1800*2	3600	546	5/16	1980*1 / 3970*2	7940	19.3
RS216100	Series 160, top-down furler	10	1500*1 / 3000*2	6000	916	3/8	3300*1 / 6610*2	13230	32.3
Standard Furlers									
RS208000	Series 80, standard furler	8	950	1900	228	5/16	2090	4190	8.0
RS212000	Series 120, standard furler	8	1800	3600	383	5/16	3970	7940	13.5
RS216000	Series 160, standard furler	10	3000	6000	790	3/8	6610	13230	27.9

*1 MWL on swivel ring (tack load).

*2 MWL on clevis pins (torsion line + tack load).

TOP SWIVELS



TOP-DOWN ADAPTERS



STANDARD FURLERS



- ✓ Top swivel fork/fork configuration for snag-free operation and direct halyard soft eye attachment.
- ✓ Connection post of Series 200 & 280 furlers are compatible with shackle or fairlead attachment.

- ✓ Fast pins on furlers and top swivels facilitate easy changeover of sails sharing a common furler set.
- ✓ Dimensioned technical drawings and user instructions can be found under the SUPPORT tab at www.ronstan.com.

- ⚙ Grade 316 stainless steel fasteners.
- ⚙ Grade 2205 stainless steel shaft and pins.
- ⚙ Aluminium drum, swivel jaws & line guide.
- ⚙ PTFE perimeter strip.
- ⚙ Torlon® ball bearings (top-down adapter swivel ring).

PRODUCT No.	DESCRIPTION	LINE mm	M.W.L. kg	B.L. kg	WEIGHT g	LINE in	M.W.L. lb	B.L. lb	WEIGHT oz
Top Swivels									
RS220010	Series 200, top swivel	-	5000	10000	748	-	11020	22040	26.4
RS228010	Series 280, top swivel	-	8000	16000	1700	-	17630	35270	60.1
Top-Down Adapters									
RS220060	Series 200, top-down adapter	-	3000*1 / 5000*2	10000	966	-	6610*1 / 11020*2	22040	34.0
RS228060	Series 280, top-down adapter	-	5000*1 / 8000*2	16000	1950	-	11020*1 / 17630*2	35270	68.9
Standard Furlers									
RS220000	Series 200, standard furler	10	5000	10000	1730	3/8	11020	22040	61.0
RS228000	Series 280, standard furler	12	8000	16000	3250	1/2	17630	35270	114.6

*1 MWL on swivel ring (tack load).

*2 MWL on clevis pins (torsion line + tack load).

NEOPRENE TOP
SWIVEL COVERSNAP
SHACKLES2:1 OR 3:1
FAIRLEADS3:1
FAIRLEADSTORSION ROPE
THIMBLES

SHACKLES

FURLER
ROTATION STOPSQUICK
RELEASE PINSTOP SWIVEL
LASHING PINS

- ✓ 2:1 fairlead can be used on furler or top swivel.
- ✓ 3:1 fairlead incorporates a fast pin for quick and easy removal from furler - where 3:1 tack line remains on bowsprit when sail and furler are removed.

- ✓ Furler rotation stop prevents accidental unfurling.
- ✓ Top swivel lashing pin allows for closer sail attachment at head, improving furling for top-down systems.

- ✎ Grade 6061-T6 aluminium thimbles, and 3:1 fairlead.
- ✎ UV resistant neoprene top swivel covers.
- ✎ Grade 2205 stainless steel quick release pins.
- ✎ Grade 17-4PH stainless steel forged HR shackles.

PRODUCT No.	DESCRIPTION	M.W.L. kg	B.L. kg	WEIGHT g	M.W.L. lb	B.L. lb	WEIGHT oz
Neoprene Top Swivel Covers							
RS208015	Neoprene swivel cover, suits RS208010	-	-	7	-	-	0.2
RS212015	Neoprene swivel cover, suits RS212010	-	-	10	-	-	0.4
RS216015	Neoprene swivel cover, suits RS216010	-	-	15	-	-	0.5
RS220015	Neoprene swivel cover, suits RS220010 (two required per swivel)	-	-	18	-	-	0.6
RS228015	Neoprene swivel cover, suits RS228010 (two required per swivel)	-	-	20	-	-	0.9
Snap Shackles							
RS208020	Snap shackle, suits RS208000 & RS208100	960	2000	54	2120	4410	1.9
RS212020	Snap shackle, suits RS212000 & RS212100	1280	3850	130	2820	8490	4.6
RS216020	Snap shackle, suits RS216000 & RS216100	2800	7000	257	6170	15430	9.1
Fairleads							
RS208030	2:1 or 3:1 fairlead, suits RS208000 & RS208100	1040	2300	44	2290	5070	1.6
RS212030	2:1 or 3:1 fairlead, suits RS212000 & RS212100	1760	4100	96	3880	9040	3.4
RS216030	2:1 or 3:1 fairlead, suits RS216000 & RS216100	2640	6000	186	5820	13230	6.6
RS220030	3:1 fairlead, suits RS220000	5000	10000	350	11020	22040	12.3
RS228030	3:1 fairlead, suits RS228000	8000	16000	800	17630	35270	28.2
Torsion Rope Thimbles							
RS208040	Torsion rope thimble, suits RS208000, RS208100 & RS208010	-	-	8	-	-	0.3
RS212040	Torsion rope thimble, suits RS212000, RS212100 & RS212010	-	-	23	-	-	0.8
RS216040	Torsion rope thimble, suits RS216000, RS216100 & RS216010	-	-	53	-	-	1.9
RS220040	Torsion rope thimble, suits RS220000, RS220010 & RS220060	-	-	65	-	-	2.3
RS228040	Torsion rope thimble, suits RS228000, RS228010 & RS228060	-	-	164	-	-	5.8
Shackles							
RS208050	Shackle, 6mm (1/4") pin diameter, suits RS208000 & RS208100	-	1950	26	-	4300	0.9
RS212050	HR shackle, 8mm (5/16") pin diameter, suits RS212000 & RS212100	-	4400	55	-	9700	1.9
RS216050	HR shackle, 10mm (13/32") pin diameter, suits RS216000 & RS216100	-	7500	97	-	16500	3.4
RS020050*	HR shackle, 12mm (15/32") pin diameter, suits RS220000	-	10000	237	-	22000	8.4
RS020050R*	HR shackle, 16mm (5/8") pin diameter, suits RS228000	-	19000	470	-	41800	16.6
Furler Rotation Stops							
RS212070	Furler rotation stop, suits RS212000 & RS212100	-	-	10	-	-	0.3
RS216070	Furler rotation stop, suits RS216000, RS216100 & RS220000	-	-	18	-	-	0.6
Top Swivel Lashing Pins							
RS208080	Top swivel lashing pin, 7mm (9/32"), suits RS208010	950	1900	29	2090	4190	1.0
RS212080	Top swivel lashing pin, 8mm (5/16"), suits RS212010	1800	3600	48	3970	7940	1.7
RS216080	Top swivel lashing pin, 10mm (13/32"), suits RS216010	3000	6000	90	6610	13230	2.3
Quick Release Pins							
RS212090	Quick release pin, 8mm (5/16") diameter, suits RS212000, RS212100 & RS212010	1800	3600	14	3970	7940	0.5
RS216090	Quick release pin, 10mm (13/32") diameter, suits RS216000, RS216100 & RS216010	3000	6000	26	6610	13230	0.9

* RS020050 & RS020050R have a coined and drilled head shackle pin