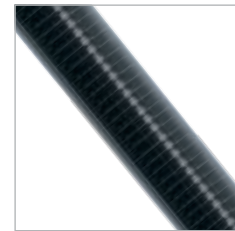




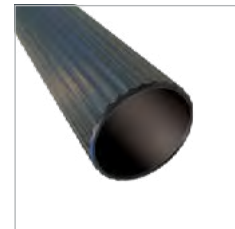
Lightweight carbon extension grip



Tapered carbon tube optimises weight



Lightweight EVA grip &amp; end knob



Lightweight &amp; rigid aluminium tube



Full-articulation universal joint



Removable urethane universal joint

# BATTLESTICK™ TILLER EXTENSIONS

## ULTIMATE PERFORMANCE AND CONTROL

Ronstan Battlestick™; the next generation of sailing weaponry. A range of carbon composite and alloy tiller extensions providing the highest level of control for quick, decisive helm response in every situation.

### Carbon Battlestick™ positive grip

The unique lightweight grip remains effective when wet and its slim profile transitions smoothly from the carbon tube to a comfortable ergonomic shape to minimise fatigue. The ribbed finish on the tube provides additional positive grip along its full length, and an end stop is fitted for comfort and safety. Short tiller extensions have smaller grip diameters to match typically smaller hands.

### Lightweight & strong

The dual laminate construction has been precisely engineered for minimum weight, without sacrificing the durability required to meet the rigours of modern sailing. A combination of full length longitudinal and 45° lateral glass and carbon fibres balance optimum stiffness with extra resilience to resist breakage.

### Tapered carbon composite tube

The tapered design maximises rigidity and strength at the helmsman's end for positive feel and resistance to breakage over the gunwale when things get ugly.

### Alloy Battlestick™ ergonomic EVA grip

This firm non-slip grip material does not absorb water and the large grip diameter contrasts ergonomically with mainsheet diameter to relieve fatigue. The end knob ensures safety and positive hand positioning.

### Fluted alloy tube

Ronstan's aluminium tiller extensions have a unique fluted profile that adds extra rigidity to the lightweight alloy section. Tubes have a black anodised finish for corrosion protection.

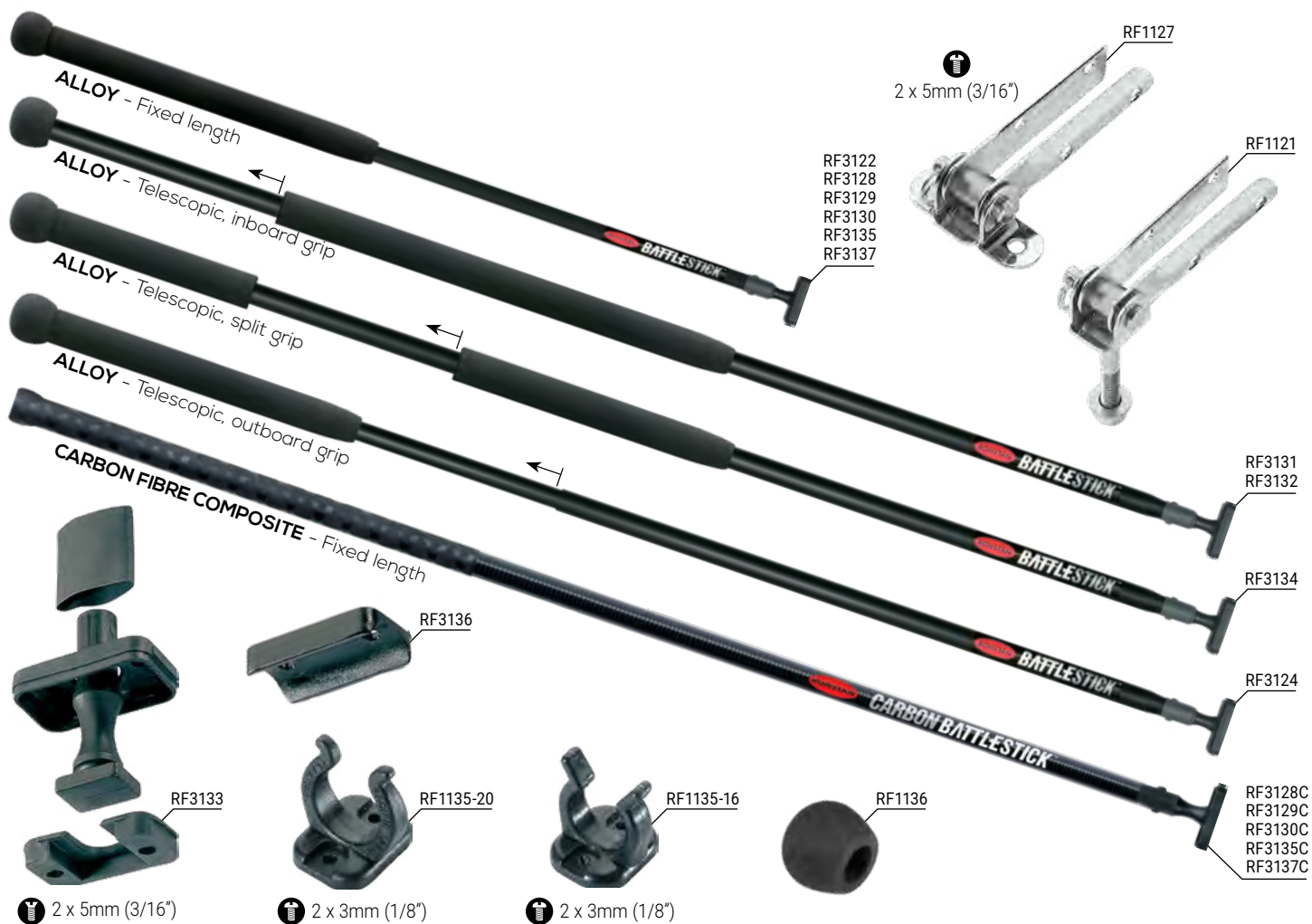
### The right length

Battlesticks™ are available in six standard lengths from 610mm to 2500mm (24" to 98") to suit virtually any class or personal preference. To facilitate cutting of the tube to a custom length the 2500mm (98") RF3137C does not include a grip or end cap. Telescopic alloy versions are available in four configurations, up to the maximum of 2500mm (98") long with 960mm (38") of adjustment.

### Urethane universal joint

The universal joint in high grade, UV resistant urethane provides smooth, uniform articulation and flexibility in all directions for a quick and firm response to steering.

# BATTLESTICK™ TILLER EXTENSIONS



PRODUCT No.	DESCRIPTION	LENGTH	TUBE DIAM.	GRIP DIAM.	WEIGHT	LENGTH	TUBE DIAM.	GRIP DIAM.	WEIGHT
		mm	mm	mm	g	in	in	in	oz

### Carbon Fibre Tiller Extensions

RF3128C	Carbon fibre, tapered, fixed length	610	16 > 20	22	108	24	5/8 > 3/4	7/8	3.8
RF3129C	Carbon fibre, tapered, fixed length	840	16 > 22	24	137	33	5/8 > 7/8	1	4.8
RF3130C	Carbon fibre, tapered, fixed length	1030	16 > 23	25	155	41	5/8 > 7/8	1	5.5
RF3135C	Carbon fibre, tapered, fixed length	1250	16 > 24	26	179	49	5/8 > 1	1	6.3
RF3137C*	Carbon fibre, tapered, fixed length	2500	16 > 25	-	310	98	5/8 > 1	-	10.9

### Alloy Tiller Extensions

RF3128	Alloy, fixed length	610	16	25	150	24	5/8	1	5.3
RF3129	Alloy, fixed length	840	16	25	180	33	5/8	1	6.4
RF3130	Alloy, fixed length	1030	16	25	215	41	5/8	1	7.6
RF3135	Alloy, fixed length	1250	16	25	260	49	5/8	1	9.2
RF3122	Alloy, fixed length	2030	16	25	415	80	5/8	1	14.7
RF3137	Alloy, fixed length	2500	16	25	515	98	5/8	1	18.2
RF3134	Alloy, telescopic, split grip	740 - 1120	16 + 20	30	310	29 - 44	5/8 + 3/4	1 1/4	10.9
RF3131	Alloy, telescopic, inboard grip	740 - 1210	16 + 20	30	285	29 - 48	5/8 + 3/4	1 1/4	10.1
RF3132	Alloy, telescopic, inboard grip	1070 - 1770	16 + 20	30	400	42 - 70	5/8 + 3/4	1 1/4	14.1
RF3124	Alloy, telescopic, outboard grip	1530 - 2490	16 + 20	30	485	60 - 98	5/8 + 3/4	1 1/4	17.1

### Accessories

RF1121	Stainless steel bolt-through universal joint. Suits 16mm (5/8") OD tube. Incorporating 1/4" UNCx1 3/4" (45mm) long bolt	-	64	-	-	-	-	-	2.3
RF1127	Stainless steel screw down universal joint. Suits 16mm (5/8") OD tube	-	56	-	-	-	-	-	2.0
RF1135-16	Nylon tiller extension retaining clip. Suits 16mm (5/8") dia. tube	-	7	-	-	-	-	-	0.2
RF1135-20	Nylon tiller extension retaining clip. Suits 20mm (3/4") dia. tube	-	4	-	-	-	-	-	0.1
RF1136	Tiller extension end knob, EVA foam, suits 16mm (5/8") OD tube	-	35	-	-	-	-	-	1.2
RF3133	Urethane universal joint. Suits 13.5mm (17/32") ID tube	-	35	-	-	-	-	-	1.2
RF3136	Round tiller adapter for RF3133. Suits 25-32mm (1-1 1/4") tiller	-	7	-	-	-	-	-	0.2

\* Grip and end cap not included.



✔ Pintle pins are cross-drilled to accept the RF413 retaining clip.

✔ PNP55 retaining clip for transom mounting provides simple rudder retention security.

⚠ Off-the-beach dinghies and catamarans.

PRODUCT No.	DESCRIPTION	PIN/HOLE DIAM. mm	INTERNAL WIDTH mm	STRAP LENGTH mm	WEIGHT g	PIN/HOLE DIAM. in	INTERNAL WIDTH in	STRAP LENGTH in	WEIGHT oz
<b>6.4mm (1/4") Pin/Hole</b>									
RF239	Rudder gudgeon, stainless steel	6.4	38	51	40	1/4	1 1/2	2	1.4
RF243	Rudder gudgeon, stainless steel	6.4	25	56	35	1/4	1	2 3/16	1.2
RF254	Transom gudgeon, stainless steel	6.4	-	-	31	1/4	-	-	1.1
RF255	Transom pintle, stainless steel	6.4	-	-	45	1/4	-	-	1.6
<b>Accessories</b>									
PNP55	Retaining clip, transom mount, nylon	-	-	-	5	-	-	-	0.2
RF413	Retaining clip, 2.7mm (3/32") diameter wire, 16mm(5/8") ID, stainless steel	-	-	-	3	-	-	-	0.1