



CTP  
CT22  
CT33  
CT36  
CT40

# C-T SAILHARDWARE

Luff and leech hardware are designed to be compatible with C-T SailBattens and other manufacturers products.



## Receptacles

Luff Systems for CT22, CT33 and CT36 battens.

## Tensioners and End Plugs

Leech Tensioning Systems for CTP, CT22, CT33 and CT36 battens.

For more product details visit: [www.sailbattens.com/hardware](http://www.sailbattens.com/hardware)

## C-T SailHardware is designed for:

### Monohulls

Yachts 10ft – 90ft: **CTP**  
Yachts 20ft – 55ft: **CT22**  
Yachts 50ft – 89ft: **CT33**  
Yachts 90ft – 199ft: **CT36**  
Yachts 200ft+: **CT40**

### Multihulls

Yachts 10ft – 70ft: **CTP**  
Yachts 20ft – 40ft: **CT22**  
Yachts 30ft – 70ft: **CT33**  
Yachts 70ft – 110ft: **CT36**  
Yachts 110ft+: **CT40**

## Key Features

- Designed for maximum corrosion resistance
- Proven offshore reliability
- Easy on-the-water adjustment to batten tension Combining adjusting and non-adjusting receptacles and tensioners allows easy on-the-water adjustment to batten tension.
- Weight-saving solutions for sail performance Using a range of materials provides robust and weight-saving solutions to suit sail performance.
- Size and fit With a range of leech end-plugs available, the closest size is pre-fitted to suit the taper of every C-T SailBatten.

# Product Range

For individual product specifications, please visit [www.sailbattens.com](http://www.sailbattens.com)

## CTP Leech: Adjusting Tensioners

Code - RSLT	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Inside/Outside Fit	Material	Screw Size	Adj Length	Pusher Type
CTRSLT005	90	50.0	7.5	12	5 x 16	Outside	Carbon	M4	15	Grub Screw
CTRSLT007	90	50.0	9.0	14	6.5 x 15	Outside	Carbon	M4	15	Grub Screw
CTRSLT008	90	50.0	10.0	18	8 x 19	Outside	Carbon	M5	20	Grub Screw
CTRSLT010	130	67.0	13.0	50	10 x 25	Outside	Carbon	M5	40	Acetal Block



## CTP Leech: Non-adjusting Tensioners

Code - DSLC	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Inside/Outside Fit	Material	Screw Size	Adj Length	Pusher Type
CTDSLCC005	70	19.0	7.5	8	5 x 16	Outside	Carbon	-	-	-
CTDSLCC007	70	18.0	9.0	10	6.5 x 15	Outside	Carbon	-	-	-
CTDSLCC008	70	22.0	10.0	12	8 x 19	Outside	Carbon	-	-	-
CTDSLCC010	90	30.0	13.0	25	10 x 25	Outside	Carbon	-	-	-



## CT22 Luff: Adjusting Receptacles

	Luff System	Thread (metric)	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Mounted on Sail	Body Material	Side-plates	Fasteners	Adj Length (mm)	
CTAALLR22		Car	M10 M12	155	48	26	335	14 x 24	Centre/ Side	Aluminium	Acetal	Stainless	35
CTACL R22		Car	M10	105	69	20	165	12 x 24	Centre/ Side	Carbon	Carbon	Titanium	25
CTAPLR22		Car	M10	155	48	26	275	14 x 24	Centre/ Side	Acetal	Acetal	Stainless	35
CTCCLR-A036		Bolt-rope	-	125	76	20	195	12 x 25	Centre	Nylon 5.5mm	3.6mm Carbon	Titanium	25



### CCLR with options



**Option 1: Square Front** Square front CCLR. Carbon side plates untrimmed. Specify **'Square Front'** for this option.







**Option 2: 5mm Thick** 115mm wide Nylon insert supplied with the CCLR. Specify **'Wide Nylon'** for this option. *Not available in the 8mm nylon version.*



**Option 3: 8mm Thick** 8mm thick Nylon insert supplied with the CCLR. Specify **'8mm Nylon'** for this option. *Not available in the 115mm wide version.*

## CT22 Luff: Non-adjusting Receptacles

	Luff System	Thread (metric)	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Mounted on Sail	Body Material	Side-plates	Fasteners
<b>CTNALR22</b> 	Car	M10 M12	110	50	22	155	14 x 25	Side	Acetal	Acetal	Titanium
<b>CTNCLR22</b> 	Car	M10	105	69	20	145	12 x 24	Centre/ Side	Carbon	Carbon	Titanium
<b>CTNPLR22</b> 	Car	M10	155	48	26	265	14 x 24	Centre/ Side	Acetal	Acetal	Stainless
<b>CTCCLR036</b> 	Bolt-rope	-	125	76	20	145	12 x 25	Centre	Nylon 5.5mm	3.6mm Carbon	Titanium

### → CCLR with options



#### Option 1: Square Front

Square front CCLR. Carbon side plates untrimmed. Specify '**Square Front**' for this option.



#### Option 2: 5mm Thick




115mm wide Nylon insert supplied with the CCLR. Specify '**Wide Nylon**' for this option.  
*Not available in the 8mm nylon version.*







#### Option 3: 8mm Thick

8mm thick Nylon insert supplied with the CCLR. Specify '**8mm Nylon**' for this option.  
*Not available in the 115mm wide version.*







## CT22 Leech: Adjusting Tensioners

	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Inside or Outside Fit	Body Material	Screw Type	Screw Size (Metric)	Adjustment Length
<b>CTFTLT22</b> 	30	50	11	30	-	Inside	Acetal	Stainless	M6	40
<b>CTRSLT010</b> 	125	67	13	50	10 x 25	Outside	Carbon	-	M5	40
<b>CTRSLT012</b>	125	67	15	55	12 x 25	Outside	Carbon	-	M5	40
<b>CTRSLT015</b>	125	67	18	65	15 x 25	Outside	Carbon	-	M5	40
<b>CTRSLT017</b>	125	67	20	70	17 x 25	Outside	Carbon	-	M5	40
	Head Length (mm)	Shank Thickness (mm)	Shank Width (mm)	Weight (grams)	Max Batten Size	Inside or Outside Fit	Body Material		Screw Size	Adjustment Length
<b>CTTHLP008</b> 	7	8	19	10	-	Inside	Acetal	-	M6	-
<b>CTTHLP009</b>	7	9	19	11	-	Inside	Acetal	-	M6	-
<b>CTTHLP010</b>	7	10	19	12	-	Inside	Acetal	-	M8	-






### CT22 Leech: Non-adjusting Tensioners

		Head Length (mm)	Shank Thickness (mm)	Shank Width (mm)	Weight (grams)	Max Batten Size	Inside or Outside Fit	Body Material
CTDSL013		38	-	-	15	13 x 28	Outside	Acetal
CTDSL008		18	8	19	10	-	Inside	Acetal
CTDSL009		18	9	19	10	-	Inside	Acetal
CTDSL010		18	10	19	10	-	Inside	Acetal

### CT33 Luff: Adjusting Receptacles

	Luff System	Thread (metric)	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Mounted on Sail	Body Material	Side-plates	Fasteners	Adj Length (mm)	
CTAALLR33		Car	M12 M14	165	64	30	470	20 x 36	Centre/ Side	Aluminium	Carbon	Titanium	45
CTAALR		Car	M12 boss M14 boss	215	86	38	980	21 x 38	Side	Aluminium	-	Titanium	45
CTACL33A		Car	M12 M14	165	65	36	470	19 x 36	Side	Aluminium /Acetal	Carbon	Titanium	45
CTACL33P		Car	M10 M12	165	65	36	430	19 x 36	Side	Acetal	Carbon	Titanium	45
CTAPLR33		Car	M12	165	64	30	370	20 x 36	Centre/ Side	Acetal	Carbon	Titanium	45
CTATLR33		Car	M12 M14	165	64	30	370	20 x 36	Centre/ Side	Titanium	Carbon	Titanium	45

## CT33 Luff Receptacles: Non-adjusting

	Luff System	Thread (metric)	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Mounted on Sail	Body Material	Side-plates	Fasteners
<b>CTCCLR048</b> 	Bolt-rope	-	125	76	24	185	12 x 25	Centre	Nylon 8mm	4.8mm Carbon	Titanium
<b>CTNALR33</b> 	Car	M10 M12 M14	140	66	40	380	17 x 35	Side	Acetal	Acetal	Titanium
<b>CTNALLR33</b> 	Car	M12 M14	165	64	30	410	20 x 36	Centre/ Side	Aluminium	Carbon	Titanium
<b>CTNPLR33</b> 	Car	M12	165	64	30	310	20 x 36	Centre/ Side	Acetal	Carbon	Titanium
<b>CTNTLR33</b> 	Car	M12 M14	165	64	30	310	20 x 36	Centre/ Side	Titanium	Carbon	Titanium



## CT33 Leech: Adjusting Tensioners

	Head Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Inside or Outside Fit	Body Material	Screw Type	Screw Size (Metric)	Adjustment Length
<b>CTFTLTK33</b> 	37	75	24	70	Inside	Acetal	Titanium	M10 Hex	30
<b>CTFTLTK33KEEP (PART)</b> 	-	-	-	-	-	Acetal	-	M10 Hex	-
<b>CTPALT33</b> 	45	40	25	70	Inside	Acetal	Titanium	M10 Hex	30



	Head Length (mm)	Shank Thickness (mm)	Shank Width (mm)	Weight (grams)	Inside or Outside Fit	Body Material	Screw Size	Screw Size	Adjustment Length
<b>CTTHLP010</b> 	20	10	30	12	Inside	Acetal	-	M8	-
<b>CTTHLP013</b>	20	13	30	35	Inside	Acetal	-	M8/M10	-
<b>CTTHLP015</b>	20	15	30.8	45	Inside	Acetal	-	M10	-
<b>CTTHLP020</b>	20	20	31	60	Inside	Acetal	-	M10	-

### CT33 Leech: Non-adjusting




		Head Length (mm)	Shank Thickness (mm)	Shank Width (mm)	Weight (grams)	Inside or Outside Fit	Body Material
CTDSLP009		26	9	30	20	Inside	Acetal
CTDSLP013		26	13	30	30	Inside	Acetal
CTDSLP015		26	15	30.8	40	Inside	Acetal
CTDSLP020		26	20.5	31	70	Inside	Acetal
CTDSLP*BH		60	Full range as above			Inside	Acetal

NOTE: The closest end-plug size is pre-fitted before C-T SailBattens are dispatched.




### CT36 Luff: Adjusting Receptacles

	Luff System	Thread (metric)	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Mounted on Sail	Body Material	Side-plates	Fasteners	Adj Length (mm)	
CTAALR		Car	M14 boss M16 boss	215	86	38	980	21 x 38	Side	Aluminium	-	Titanium	45
CTATLR36		Car	M14 M16 M18	220	80	36	680	20 x 40	Centre/ Side	Carbon	Carbon	Titanium	50


### CT36 Luff: Non-adjusting Receptacles

	Luff System	Thread (metric)	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Max Batten Size	Mounted on Sail	Body Material	Side-plates	Fasteners	
CTFCLR36		Bolt Rope	M14 M16	280	101	37	460	24 x 40	Centre	Carbon	-	-
CTNALR36		Car	M14 M16	220	75	47	830	20 x 40	Side	Acetal	Acetal	Titanium
CTNCLR36		Car	M14 M16 M18	220	80	36	610	20 x 40	Centre/ Side	Carbon	Carbon	Titanium



## CT36 Leech: Adjusting Tensioners

	Length (mm)	Width (mm)	Thickness (mm)	Weight (grams)	Inside or Outside Fit	Body Material	Screw Type	Screw Size (Metric)	Adjustment Length
<b>CTFTLTK36</b> 	44	100	30	170	Inside	Acetal	Stainless	M12 Hex M14 Hex	30
<b>CTFTLTK36KEEP (PART)</b> 	-	-	-	-	-	Acetal	-	M12 Hex	-
<b>CTPALT36</b> 	45	40	25	70	Inside	Acetal	Titanium	M10 Hex	30

	Head Length	Shank Thickness	Shank Width	Weight	Inside or Outside Fit	Body Material	Screw Size	Screw Size	Adjustment Length
<b>CTTHLP015</b> 	20	15	30.8	45	Inside	Acetal	-	M10	-
<b>CTTHLP020</b>	20	20	31	60	Inside	Acetal	-	M10	-
<b>CTTHLP023</b>	20	23	33	80	Inside	Acetal	-	M10	-
<b>CTTHLP025</b>	20	25	34	85	Inside	Acetal	-	M10	-

## CT36 Leech: Non-adjusting

	Head Length (mm)	Shank Thickness (mm)	Shank Width (mm)	Weight (grams)	Inside or Outside Fit	Body Material
<b>CTDSLPO13</b>	26	13	30	30	Inside	Acetal
<b>CTDSLPO15</b>	26	15	30.8	40	Inside	Acetal
<b>CTDSLPO20</b> 	26	20.5	31	70	Inside	Acetal
<b>CTDSLPO23</b>	26	23	33	90	Inside	Acetal
<b>CTDSLPO25</b>	26	25	34	95	Inside	Acetal
<b>CTDSLPO*BH</b> 	60	Full range as above			Inside	Acetal

NOTE: The closest end-plug size is pre-fitted before C-T SailBattens are dispatched.

## CT40 Custom

CT40 Receptacles and tensioners are custom designed and manufactured to suit each yacht.





PHOTO: Volvo Ocean Race  
Yvan Zedda/Dongfeng Race Team

NPLR33





CTP  
CT22  
CT33  
CT36  
CT40

# C-T SAILHARDWARE

Luff and leech hardware are designed to be compatible with C-T SailBattens and other manufacturers products.



## Receptacles

Luff Systems for CT22, CT33 and CT36 battens.

## Tensioners and End Plugs

Leech Tensioning Systems for CTP, CT22, CT33 and CT36 battens.

For more product details visit: [www.sailbattens.com/hardware](http://www.sailbattens.com/hardware)

## C-T SailHardware is designed for:

### Monohulls

Yachts 10ft – 90ft: **CTP**  
Yachts 20ft – 55ft: **CT22**  
Yachts 50ft – 89ft: **CT33**  
Yachts 90ft – 199ft: **CT36**  
Yachts 200ft+: **CT40**

### Multihulls

Yachts 10ft – 70ft: **CTP**  
Yachts 20ft – 40ft: **CT22**  
Yachts 30ft – 70ft: **CT33**  
Yachts 70ft – 110ft: **CT36**  
Yachts 110ft+: **CT40**

## Key Features

- Designed for maximum corrosion resistance
- Proven offshore reliability
- Easy on-the-water adjustment to batten tension Combining adjusting and non-adjusting receptacles and tensioners allows easy on-the-water adjustment to batten tension.
- Weight-saving solutions for sail performance Using a range of materials provides robust and weight-saving solutions to suit sail performance.
- Size and fit With a range of leech end-plugs available, the closest size is pre-fitted to suit the taper of every C-T SailBatten.

**I've been working with C-Tech for more than 10 years. I'm always impressed with C-Tech's dedication to innovation and development, even on the products that already seem perfect.**

Nihat Aydin





## **SailBattens**

**[info@sailbattens.com](mailto:info@sailbattens.com)**

**[www.sailbattens.com](http://www.sailbattens.com)**

## **SnuffAir**

**[info@snuffair.com](mailto:info@snuffair.com)**

**[www.snuffair.com](http://www.snuffair.com)**

## **C-Tech**

**[info@c-tech.co.nz](mailto:info@c-tech.co.nz)**

**[www.c-tech.co.nz](http://www.c-tech.co.nz)**

**C-Tech Ltd** 551 Rosebank Rd, Avondale 1026, Auckland, New Zealand

**postal** PO Box 71-131, Rosebank 1348, Auckland, New Zealand

**phone** +64 (9) 810 8406 **fax** +64 (9) 828 0095

.....

*Results are everything* – **Performance-led Composite Solutions for Yachting, Sport and Manufacturing**