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Clamcleat®
Rope cleats

60 Years Anniversary
1965-2025

Performance Rope Holding



Image courtesy of RS




Image courtesy of North Windsurfing


Image courtesy of North kiteboarding



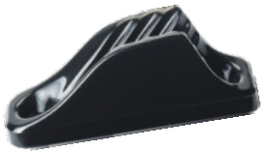
Clamcleat® Rope cleats



PERFORMANCE ROPE HOLDING

Simple solutions for secure line management

Clamcleat® rope cleats offer a secure, efficient method for managing lines and cords. Whether on sailboats, kayaks or tents, or in industrial settings controlling conveyor belts or cargo nets, Clamcleats Ltd offer a reliable solution for securing and adjusting tension with ease.



Our mechanism is simple; serrated grooves act like teeth, engaging the line when pressure is exerted upon them. This tension holds the line firmly in place, until the tension is broken by a short upwards and backward pull, releasing the line from the jaw.

Made from durable materials and no moving parts to break or seize, Clamcleat® rope cleats will stand the test of time even in demanding conditions.

Durable materials you can trust

The robust construction of Clamcleat® ensure reliable performance in all sectors, with a range of materials available to suit any application:

Marine grade nylon offers great value for money, for both production builder and sailor alike. Nylon cleats are corrosion resistant and designed to endure the outdoors, ideal for most applications where high loads or rope surges are not likely to be encountered.

Aluminum cleats are strong and heat resistant. They are unaffected by the heat generated by surging ropes, whilst also maintaining their strength in sub-zero conditions. Their resistance to corrosion is also good.

All of our popular aluminum cleats are offered with a hard anodised finish. Anodisation not only provides an extra layer of protection against corrosion, but also improves appearance, minimizing the impact of scratches and blunt forces.



The AN suffix indicates a Hard Anodised finish.

Our extensive material research has shown aluminium to be far better for high performance cleats than any polymer, irrespective of fibre reinforcements or additives. These factors make aluminium cleats the best choice for demanding applications.

Customisation

Our standard colours are shown in this brochure, however special colours are available to order at request. Similarly, if there is a requirement for special models or adaptations to existing products, our designers are on hand ready to bring new ideas and applications to life. Our own in-house research and toolmaking facilities can bring your project to fruition.

Visit plasticmoulding.net to see our manufacturing capabilities and a selection of case studies.

Installation and applications

Most cleats are provided with countersunk fixing holes. Countersunk (flathead) screws or bolts of the recommended size should be used; bolts being preferred. If using rivets with a powered fixing gun, ensure the pressure is not set too high. Fastenings must be entered straight so the heads do not protrude and snag the rope. Several cleats have been designed with a groove in the base, enabling them to be fitted to both flat and curved surfaces. See page 19 for help with Installation.

Information about the company history



Whilst every effort is made to ensure that all specifications given in the technical information is correct, they shall not be deemed to be a representation or warranty on behalf of the company and the company shall not accept any liability for the accuracy thereof in any circumstances.
The name CLAMCLEAT and LINE-LOK are the registered trade marks of Clamcleats Ltd.

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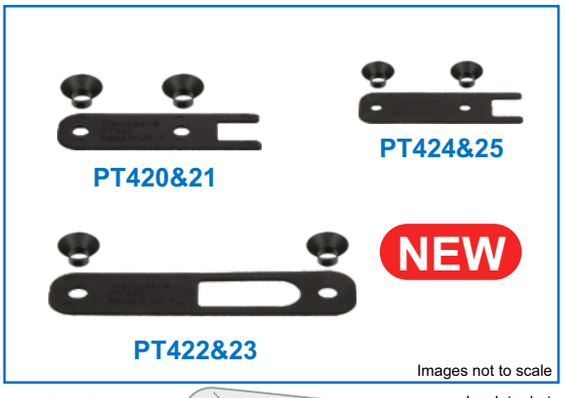
Clamcleat® Rope cleats

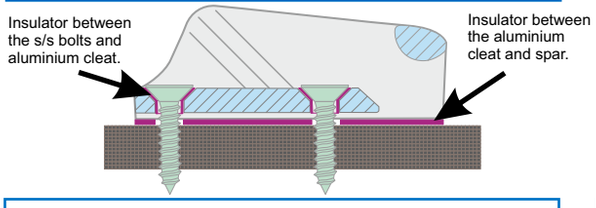




Image courtesy of Anna Burnet & John Gimp

PERFORMANCE ROPE HOLDING





CSK & Base Insulator

	A	B	C	mm Ø / Inch Ø	mm Ø Gauge Ø	Gms Ozs
PT420&21						
Countersink for No8 (4.2mm) Bolts	10 25/64	- –	10 25/64	M4 #8-32	4.2 #8	0.025 0.001
Base Insulator for CL211Mk2 range	55 2⅛	27 1 1/16	16 ⅝	M4 #8-32	4.2 #8	0.45 0.018
PT422&23						
Countersink for No10 (4.8mm)	11.6 29/64	- –	11.6 29/64	M5 #10.24	4.8 #10	0.03 0.001
Bolts						
Base Insulator for CL211Mk1	82 3¼	66 2⅝	18 11/16	M5 #10.24	4.8 #10	0.85 0.031
CL217&8 Mk1, CL230, CL236 & CL704						
PT424&25						
Countersink for No4 (2.9mm) Bolts	9 23/64	- –	9 23/64	M3 #4	2.9 #4	0.012 0.001
Base Insulator for CL268, CL270,	44 1¾	24 15/16	13 ½	M3 #4.40	2.9 #4	0.31 0.011
CL277 & CL278						



Micros & Mini Cleats

	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	mm Ø Gauge Ø	Gms Ozs
Mini	3-6	52	36	17	M4	4.2	9
CL204 (Nylon)	1/8–¼	2 1/16	1 7/16	⅝	#8	No8	0.3
Racing Mini							
CL222	3-6	48	36	15	M4	4.2	16
CL222AN (Aluminium)	1/8–¼	1 ⅞	1 7/16	⅝	#8	No8	0.3
Micros							
CL274	1-4	33	24	13	M3	3	3
CL274W (Nylon)	3/64–5/32	1 5/16	15/16	½	#4	No4	0.1
Racing Micros							
CL275	1-4	33	24	13	M3	3	3
CL275AN (Aluminium)	3/64–5/32	1 5/16	15/16	½	#4	No4	0.25
Tapered Pad for CL204 & CL222		57	-	21	M4	4.2	4
CL802 (Polypropylene)	-	2¼	-	13/16	#8	No8	0.1
Tapered Pad for CL274 & CL275		47	-	19	M3	3.0	4
CL823 (Polypropylene)	-	1 13/16	-	¾	#4	No4	0.15



Fine Line Cleats

	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	mm Ø Gauge Ø	Gms Ozs
Fine Line (Starboard)	2 - 5	70	49	21	M4	4.2	9
CL213 (Nylon)		2¾	1 15/16	13/16	#8	No8	0.3
Fine Line (Port)	2 - 5	70	49	21	M4	4.2	9
CL214 (Nylon)		2¾	1 15/16	13/16	#8	No8	0.6
Racing Fine Line (Starboard)							
CL258	3 - 6	70	49	21	M4	4.2	19
CL258AN (Aluminium)		2¾	1 15/16	13/16	#8	No8	0.7
Racing Fine Line (Port)							
CL259	3 - 6	70	49	21	M4	4.2	19
CL259AN (Aluminium)		2¾	1 15/16	13/16	#8	No8	0.7

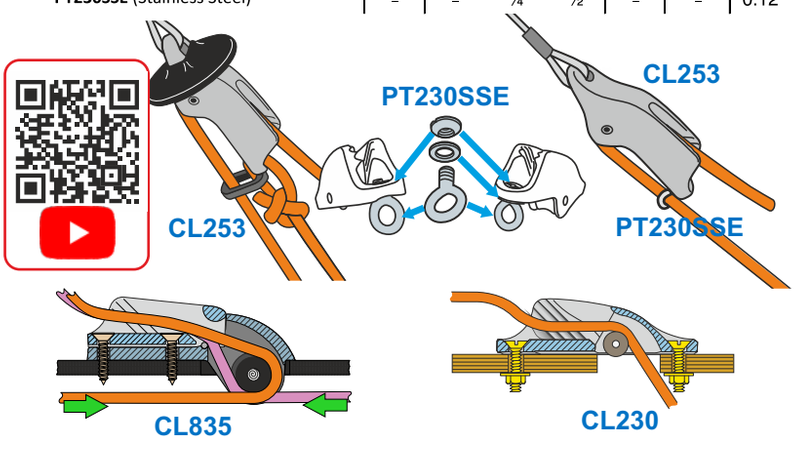


Auto-Release Cleats

	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	mm Ø Gauge Ø	Gms Ozs
Auto-Release Racing Mini	4 - 6	68	36	24	4	4	31
CL257 (Aluminium + Acetal)	3/16–¼	2⅝	1 13/32	⅞	5/32	No8	1.1

Roller Cleats

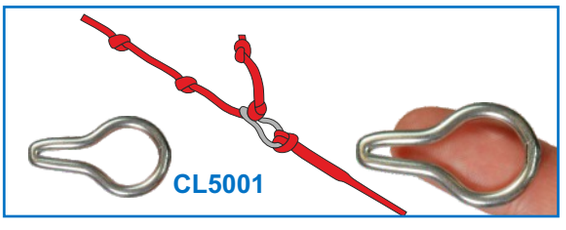
	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Roller Fairlead White Junior	3 - 6	82	66	18	M4	4.2	17
CL203W/S1 (Nylon)	⅛–¼	3¼	2⅝	11/16	#8	No8	0.6
White Junior with Roller	3 - 6	82	66	18	M4	4.2	17
CL203W/S2 (Nylon)	⅛–¼	3¼	2⅝	11/16	#8	No8	0.6
Racing Junior Mk1 with Roller							
CL230	3 - 6	82	66	18	M5	4.8	35
CL230AN (Aluminium)	⅛–¼	3¼	2⅝	11/16	#10	No10	1.2
Roller Fairlead Mk1 Racing Junior							
CL236	3 - 6	82	66	18	M5	4.8	40
CL236AN (Aluminium)	⅛–¼	3¼	2⅝	11/16	#10	No10	1.4
Trapeze and Vang Cleat							
CL253	4 - 8	89	70	18	-	-	46
CL253AN (Aluminium)	5/32–5/16	3½	2¾	11/16	–	–	1.6
Racing Junior Mk2 with Roller+Becket							
CL284	3 - 6	55	27	16	M4	4.2	25
CL284AN (Aluminium)	⅛–¼	2⅛	1 1/16	⅝	#8	No8	0.9
Handle for CL253 Trapeze Cleat		-	-	50	-	-	6.5
CL834 (Polypropylene)	–	–	–	1 31/32	–	–	0.23
Thru Tube Sheave Plate							
For CL211Mk2 & CL272 Cleats	3 - 6	86	27	25	M4	4.2	20
CL835	⅛–¼	3¼	1 1/16	1	#8	No8	0.7
Eye for CL230 & CL253		-	6	12	-	-	3.3
PT230SSE (Stainless Steel)	–	–	¼	½	–	–	0.12





Q-Lok

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Q-Lok	3 - 4	33	-	20	-	-	5
CL5001 (Stainless Steel)	⅛–5/32	1 5/16	-	¾	-	-	0.2



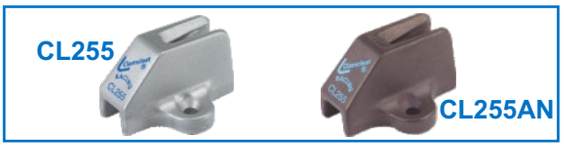
Cub & Sail Line Cleats

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Cub Cleat							
CL232	3 - 6	46	35	46	M4	4.2	13
CL232W (Nylon)	⅛–¼	1 13/16	1⅜	1 13/16	#8	No8	0.5
Racing Sail Line Cleat (Port)							
CL241	3 - 6	70	49	21	M4	4.2	16
CL241AN (Aluminium)	⅛–¼	2¾	1 15/16	13/16	#8	No8	0.6
Racing Sail Line Cleat (Starboard)							
CL273	3 - 6	70	49	21	M4	4.2	16
CL273AN (Aluminium)	⅛–¼	2¾	1 15/16	13/16	#8	No8	0.6
Sail Cleat (Port)							
CL281 (Nylon)	3 - 6	70	49	21	M4	4.2	9
CL281W (Nylon)	⅛–¼	2¾	1 15/16	13/16	#8	No8	0.3
Sail Cleat (Starboard)							
CL283 (Nylon)	3 - 6	70	49	21	M4	4.2	9
CL283W (Nylon)	⅛–¼	2¾	1 15/16	13/16	#8	No8	0.3



Omega Cleat

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Omega Cleat							
CL255	3 - 6	46	27	43	M4	4.2	28
CL255AN (Aluminium)	⅛–¼	1 13/16	1 1/16	1 11/16	#8	No8	1



Clamcleat® Rope cleats

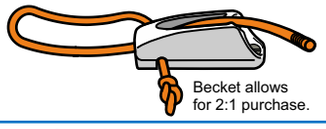




PERFORMANCE ROPE HOLDING

Fairleads 4mm

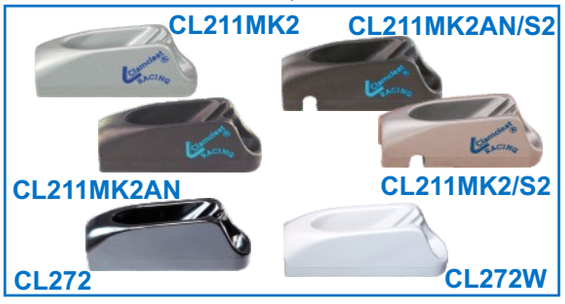


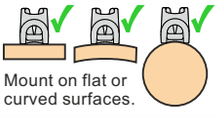


Becket allows for 2:1 purchase.

Fairlead Cleats for Ropes to 4mm (5/32")	mm Ø Inch Ø	A	B	C	mm Inch	mm Ø Inch Ø	mm Ø Gauge Ø	Gms Ozs
Micros								
CL263	1 - 4	44	24	13		M3	3	4.8
CL263W (Nylon)	3/64–5/32	1 3/4	15/16	1/2		#4	No4	0.2
Racing Micros								
CL268	1 - 4	44	24	13		M3	3	13
CL268AN (Aluminium)	3/64–5/32	1 3/4	15/16	1/2		#4	No4	0.5
Racing Micros with Becket								
CL270	1 - 4	44	24	13		M3	3	14
CL270AN (Aluminium)	3/64–5/32	1 3/4	15/16	1/2		#4	No4	0.5
Racing Micros Side Entry (Starboard) with Becket CL277	1 - 4	44	24	14		M3	3	12
CL277AN (Aluminium)	3/64–5/32	1 3/4	15/16	1/2		#4	No4	0.4
Racing Micros Side Entry (Port) with Becket CL278	1 - 4	44	24	14		M3	3	12
CL278AN (Aluminium)	3/64–5/32	1 3/4	15/16	1/2		#4	No4	0.4
Tapered Pad for all Micros Cleats		47	-	19		-	-	4
CL823 (Polypropylene)	-	1 13/16	-	3/4		-	-	0.15

Fairleads 6mm





Mount on flat or curved surfaces.

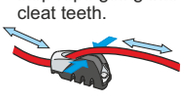
Fairlead Cleats for Ropes to 6mm (1/4")	mm Ø Inch Ø	A	B	C	mm Inch	mm Ø Inch Ø	mm Ø Gauge Ø	Gms Ozs
Racing Junior MK2								
CL211MK2	3 - 6	55	27	16		M4	4.2	23
CL211MK2AN (Aluminium)	1/8–1/4	2 1/8	1 1/16	5/8		#8	No8	0.8
Racing Junior with Becket								
CL211MK2/S2	3 - 6	55	27	16		M4	4.2	23
CL211MK2AN/S2 (Aluminium)	1/8–1/4	2 1/8	1 1/16	5/8		#4	No4	0.5
MK2 Nylon Junior								
CL272	3 - 6	55	27	16		M4	4.2	10
CL272W	1/8–1/4	2 1/8	1 1/16	5/8		#4	No4	0.5

CKC & Accessories

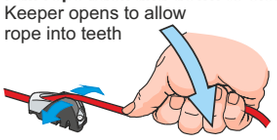


CKC Cleats & Accessories CL815, CL817 & CL819	mm Ø Inch Ø	mm Ø Inch Ø	mm Ø Gauge Ø	Gms Ozs
Keeper CL815 (Acetal)				
For CL211MK2, CL211Mk2AN,	4	M4	4.2	9
CL211Mk2/S2 & CL211MK2AN/S2	5/32	#8	No8	0.3
Cage CL817 (Nylon & Stainless steel)				
ForCL211MK2,CL211MK2AN	4	M4	-	23
Requires CL815 Keeper	5/32	#8	-	0.8
Tapered Pad CL819 (Polypropylene)				
for CL211MK2, CL217MK2,	4	M4	4.2	8
CL218MK2 & CL211MK2/S2	5/32	#8	No8	0.3
CKC Cleat CL211MK2 x2				
CL825CKC	5	M5	4.8	150
CL825CKCAN	5/32	#10	No10	5.3
CKC Cleat CL211MK2				
CL830CKC	4	M4	4.2	62
CL830CKCAN	5/32	#8	No8	2.2
CKC Cleat CL211MK2				
CL832CKC	4	M4	4.2	51
CL832CKCAN	5/32	#8	No8	1.8

Rope runs free
Keeper is closed to stop rope going into cleat teeth.



Pull rope back and down to cleat
Keeper opens to allow rope into teeth



Rope gripped
Keeper holds rope in cleat



Lift up to release
Keeper opens to allow rope out of teeth

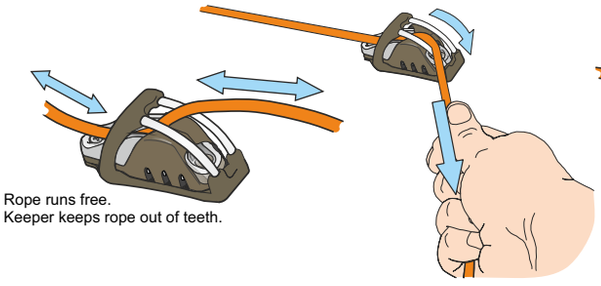


Rope runs free again.



Accessories CL814, CL816 & CL818	mm Ø / Inch Ø	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
CL814 Keeper (Acetal)				
for CL203, CL211Mk1, CL211Mk1AN,	4.8	M5	4.8	11
CL217Mk1, CL218Mk1, CL236 & CL236AN	3/16	#10	No.10	0.4
CL816 Cage (Nylon & Stainless Steel)				
for CL203, CL203/S1, CL211MK1,	-	-	-	30
CL211Mk1AN, CL236 & AN **Requires CL814**	-	-	-	1.1
CL818 Tapered Pad (Polypropylene) for				
CL203, CL211MK1, CL211Mk1AN, CL217Mk1	4.8	M5	4.8	14
CL218Mk1, CL236 & AN, CL704 & CL704AN	3/16	#10	No.10	0.5
CK Cleat CL211Mk1+CL814+CL816				
CL833CKC	4.8	M5	4.8	76
CL833CKCAN	3/16	#10	No.10	2.7



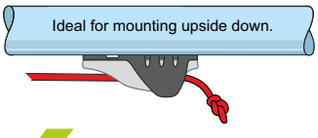


Rope runs free.
Keeper keeps rope out of teeth.

Pull rope down to cleat.
Sloping rear automatically
guides rope into teeth.



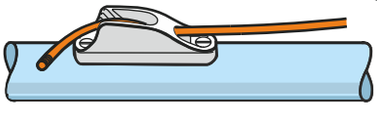
Rope held securely.



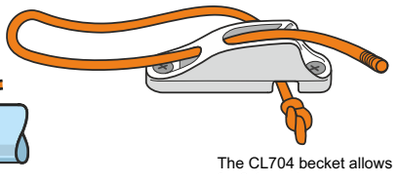


Tapered Pad allows correct
rope/cleating alignment.

Fairlead Cleats for ropes to 6mm (¼")	mm Ø / Inch Ø	A	B	mm / Inch C	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Junior	3 - 6	82	66	18	M4	4.2	17
CL203 (Nylon)	1/8–1/4	3 1/4	2 5/8	11/16	#8	No8	0.6
Racing Junior Mk1							
CL211Mk1	3 - 6	82	66	18	M5	4.8	34
CL211Mk1AN (Aluminium)	1/8–1/4	3 1/4	2 5/8	11/16	#10	No10	1.2
Boom Cleat							
CL702	3 - 6	82	66	18	M5	4.8	36
CL702AN (Aluminium)	1/8–1/4	3 1/4	2 5/8	11/16	#10	No10	1.3
Boom Cleat with Becket							
CL704	3 - 6	82	66	18	M5	4.8	34
CL704AN (Aluminium)	1/8–1/4	3 1/4	2 5/8	11/16	#10	No10	1.2



The CL702 has a specially curved
base for use on tubes.



The CL704 becket allows
for 2:1 purchase.



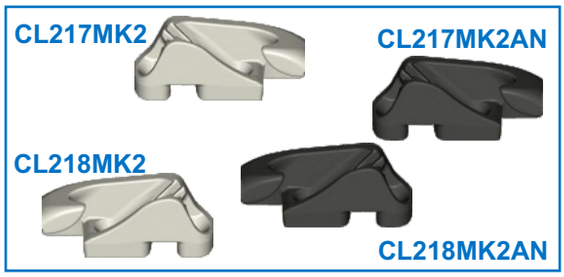
Side Entry Cleats Mk1 for Ropes to 6mm (¼")	mm Ø / Inch Ø	A	B	mm / Inch C	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Side Entry (Starboard)							
CL217Mk1	3 - 6	82	66	18	M5	4.8	32
CL217Mk1AN (Aluminium)	1/8–1/4	3 1/4	2 5/8	11/16	#10	No10	1.2
Side Entry (Port)							
CL218Mk1	3 - 6	82	66	18	M5	4.8	32
CL218Mk1AN (Aluminium)	1/8–1/4	3 1/4	2 5/8	11/16	#10	No10	1.2

Using side entry
cleats correctly.





Side Entry Cleats Mk2 for Ropes to 6mm (¼")	mm Ø / Inch Ø	A	B	mm / Inch C	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Side Entry (Starboard)							
CL217Mk2	3 - 6	55	27	17	M4	4.2	24
CL217Mk2AN (Aluminium)	1/8–1/4	2 1/8	1 1/16	11/16	#8	No8	0.8
Side Entry (Port)							
CL218Mk2	3 - 6	55	27	17	M4	4.2	24
CL218Mk2AN (Aluminium)	1/8–1/4	2 1/8	1 1/16	11/16	#8	No8	0.8





PERFORMANCE ROPE HOLDING



Cleats for Rigging on a Rope	mm Ø Inch Ø	A	B	mm Inch C	Gms Ozs
Loop Cleat					
CL223	3 - 6	53	-	18	18
CL223W (Nylon)	1/8–1/4	2 1/16	-	11/16	0.7
Racing Junior Mk1 with Roller					
CL230	3 - 6	82	66	18	35
CL230AN (Aluminium)	1/8–1/4	3 1/4	2 5/8	11/16	1.2
Fender/Large Loop Cleat					
CL234	6 - 11	78	-	24	45
CL234W (Nylon)	1/4–7/16	3 1/16	-	15/16	1.6
Trapeze and Vang Cleat					
CL253	4-8	90	72	18	46
CL253AN (Aluminium)	5/32–5/16	3 9/16	2 13/16	11/16	1.6
Cobra Cleat					
CL264	4 - 6	117	-	23	47
CL264AN (Aluminium)	5/32–1/4	4 5/8	-	29/32	1.7
Micros Tie-down Cleat	1 - 3	37	-	12	5
CL282 (Polyproylene)	5/32	1 3/4	-	7/8	0.1
Jiffy Tie	4	42	-	21	4
CL806 (Polyproylene)	5/32	1 3/4	-	7/8	0.1
Handle for CL253 Trapeze Cleat		-	-	50	6.5
CL834 (polypropylene)	-	-	-	1 31/32	0.23
Eye for CL230 & CL253		-	6	12	3.3
PT230SSE (Stainless Steel)	-	-	1/4	1/2	0.12
Mast Guyline Tensioning Reel	6	303	-	32	245
PT300771	1/4	12	-	1 1/4	8.5



Line-lok® Cleats for Rigging on a Rope	mm Ø Inch Ø	A	B	C	Gms Ozs
Line-lok®					
CL260, CL260W, CL260NG,	2 - 5	31	-	10	2.2
CL260K & CL260G (Nylon)	1/16-3/16	1 1/4	–	3/8	0.08
Mini Line-lok®					
CL266, CL266W, CL266NG,	1 - 3	21.3	-	7	0.74
CL266K & CL266G (Nylon)	3/64-1/8	27/32	–	5/32	0.03
Large Line-lok®					
CL271, CL271W, CL271NG,	4 - 8	67	-	23	28
CL271K & CL271G (Nylon)	5/32	2 5/8	–	7/8	0.98
Medium Line-lok®					
CL276, CL276W, CL276NG,	3 - 6	47	-	17	9.6
CL276K & CL276G (Nylon)	1/8-1/4	1 7/8	–	11/16	0.34



6 colours

White

Nato Green

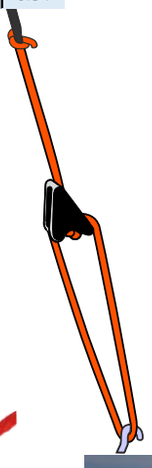
Light Grey

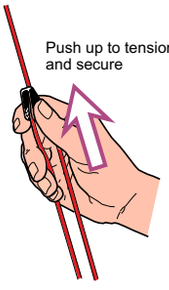
Black

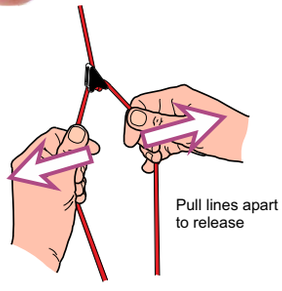
Glow in the dark

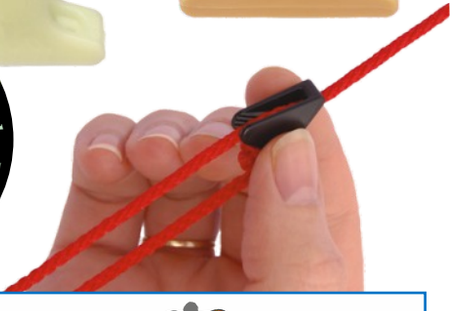
Khaki





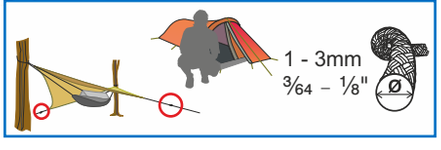




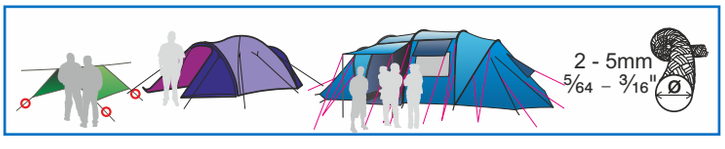




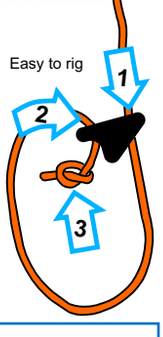
13.7mm 9/16" CL266 21mm 13/16"



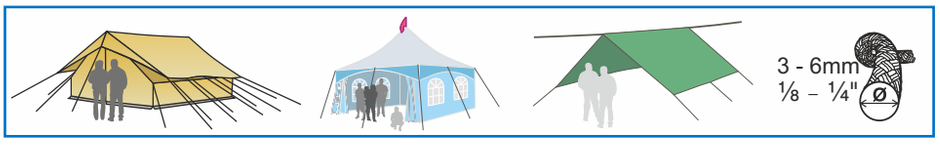
18.5mm 17/32" CL260 31mm 1 1/4"



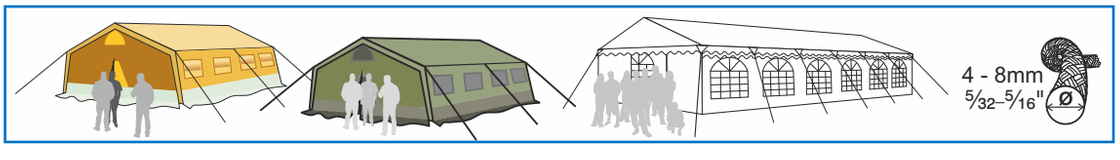
Easy to rig



34.5mm 1 3/8" CL276 47mm 1 7/8"



47.5mm 1 7/8" CL271 67mm 2 5/8"





Clamcleat® Rope cleats



PERFORMANCE ROPE HOLDING

Aero Cleats CL826

Aero Cleats CL827

Aero Cleats CL828





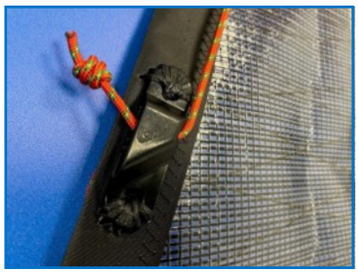


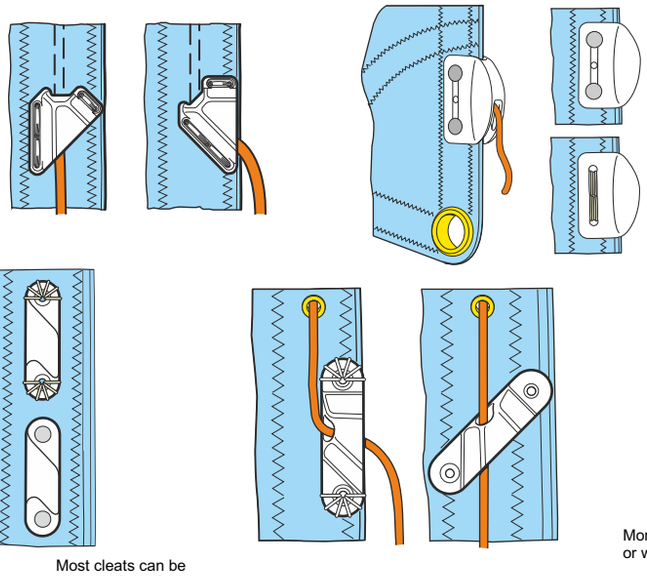
Aero Cleats CL826	mm Ø / Inch Ø	A	B	C	mm / Inch	Gms / Ozs
Aero Base + CL211Mk2						
Racing Junior	4 - 6	73	-	16		35
CL826-11 (Nylon & Aluminium)	5/32–1/4	2 7/8	–	5/8		1.2
Aero Base + CL211Mk2AN						
Hard Anodised Racing Junior	4 - 6	73	-	16		35
CL826-11AN (Nylon & Aluminium)	5/32–1/4	2 7/8	–	5/8		1.2
Areo Base + CL272Mk2						
Nylon Junior	4 - 6	73	-	16		35
CL826-72 (Nylon)	5/32–1/4	2 7/8	–	5/8		0.8
All Aluminiun Aero Cleat						
Based on CL211Mk2 Hard Anodised	5 - 6	67	-	15		34
CL285 (All Aluminium)	3/16-1/4	2 5/8	–	5/8		1.2
Aero Cleats CL827	mm ø / Inch Ø	A	B	C	mm / Inch	Gms / Ozs
Aero Base + CL203						
Nylon Junior	4 - 6	112	-	19		43
CL827-03 (Nylon)	5/32–1/4	4 3/8	–	3/4		1.5
Aero Base + CL211Mk1						
Racing Junior	4 - 6	112	-	19		62
CL827-11 (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.2
Aero Base + CL211Mk1						
Hard Annodised Racing Junior	4 - 6	112	-	19		62
CL827-11AN (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.2
Aero Base + CL217Mk1						
Side Entry Racing Junior (Starboard)	4 - 6	112	-	19		59
CL827-17 (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.1
Aero base + CL217Mk1 Hard Anodised						
Side Entry Racing Junior (Starboard)	4 - 6	112	-	19		59
CL827-17AN (Nylon + Aluminium)	5/32–1/4	4 3/8	–	3/4		2.1
Aero Base + CL218Mk1						
Side Entry Racing Junior (Port)	4 - 6	112	-	19		59
CL827-18 (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.1
Aero Base + CL218Mk1 Hard Anodised						
Side Entry Racing Junior (Port)	4 - 6	112	-	19		59
CL827-18AN (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.1
Aero Base + CL236						
Roller Fairlead Racing Junior	4 - 6	112	-	19		69
CL827-36 (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.4
Aero Base + CL236 Hard Anodised)						
Roller Fairlead Racing Junior	4 - 6	112	-	19		69
CL827-36AN (Nylon & Aluminium)	5/32–1/4	4 3/8	–	3/4		2.4
Aero Cleats CL828	mm Ø / Inch Ø	A	B	C	mm / Inch	Gms / Ozs
Aero base + CL263						
Nylon Micros	3 - 4	60	-	13		15
CL828-63 (Nylon)	1/8–5/32	2 3/8	–	1/2		0.5
Aero Base + CL268						
Racing Micros	3 - 4	60	-	13		21
CL828-68 (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2		0.75
Aero base + CL268						
Hard Anodised Racing Micros	3 - 4	60	-	13		21
CL828-68AN (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2		0.75
Aero base + CL270						
Racing Micros with Becket	3 - 4	60	-	13		24
CL828-70 (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2		0.85
Aero base + CL270 Hard Anodised						
Racing Micros with Becket	3 - 4	60	-	13		24
CL828-70AN (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2		0.85
Aero base + CL277						
Side Entry Racing Micros (Starboard)	3 - 4	60	-	13		23
CL828-77 (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2		0.8
Aero base + CL277 Hard Anodised						
Side Entry Racing Micros (Starboard)	3 - 4	60	-	13		23
CL828-77AN (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2		0.8

Sail Cleats

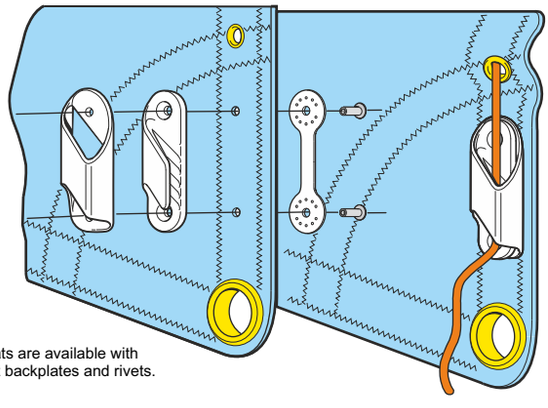
	mm Ø Inch Ø	A	B	C	mm Ø Inch Ø	Gms Ozs
Leech Line Cleat **CL212** (Nylon)	2 - 5 1/16–3/16	70 2¾	49 1 15/16	21 13/16	4 5/32	9 0.3
Shield for CL212 **CL212A** (Nylon)	– –	71 2¾	49 1 15/16	29 1⅛	4 5/32	4 0.1
Backplate for CL212 **CL212BP** (Nylon)	– –	70 2¾	49 1 15/16	21 13/16	- -	2 0.08
Backplate Black for CL241AN, CL258AN, CL259AN & CL273AN **CL212BP-B** (Nylon)	– –	70 2¾	49 1 15/16	21 13/16	- -	2 0.08
Fine Line Cleat (Starboard) **CL214W** (Nylon)	2 - 5 1/16–3/16	70 2¾	49 1 15/16	21 13/16	4 5/32	9 0.3
Dinghy Leech Line Cleat **CL221** (Nylon)	0 - 3 0–⅛	43 1¾	33 1 3/16	17 11/16	3 ⅛	4 0.1
Sail Line Cleat **CL233** (Nylon)	2 - 6 1/16–¼	57 2¼	- -	34 1 5/16	- -	8 0.3
Backplate **CL233BP** (Nylon) for CL233	– –	57 2¼	- -	34 1⅜	- -	2 0.08
Racing Sail Line Cleat (Port) **CL241** **CL241AN** (Aluminium)	3 - 6 ⅛–¼	70 2¾	49 1 15/16	21 13/16	4 5/32	16 0.6
Racing Fine Line (Starboard) **CL258** **CL258AN** (Aluminium)	3 - 6 ⅛–¼	70 2¾	49 1 15/16	21 13/16	4 5/32	19 0.7
Racing Fine Line (Port) **CL259** **CL259AN** (Aluminium)	3 - 6 ⅛–¼	70 2¾	49 1 15/16	21 13/16	4 5/32	19 0.7
Sail Edge Cleat **CL267** (Nylon + Aluminium)	2 - 4 1/16–5/32	50 2	- -	37 1 7/16	4 5/32	12 0.42
Sail Edge Cleat **CL269** (Nylon)	2 - 4 1/16–5/32	50 2	- -	37 1 7/16	4 5/32	10 0.35
Racing Sail Line Cleat (Starboard) **CL273** **CL273AN** (Aluminium)	3 - 6 ⅛–¼	70 2¾	49 1 15/16	21 13/16	4 5/32	16 0.6
Sail Cleat (Port) **CL281** (Nylon) **CL281W** (Nylon)	3 - 6 ⅛–¼	70 2¾	49 1 15/16	21 13/16	4 5/32	9 0.3
Sail Cleat (Starboard) **CL283** (Nylon) **CL283W** (Nylon)	3 - 6 ⅛–¼	70 2¾	49 1 15/16	21 13/16	4 5/32	9 0.3







Most cleats can be sewn or riveted.



More cleats are available with or without backplates and rivets.

Clamcleat® Rope cleats



PERFORMANCE ROPE HOLDING

Kitesurfing

Titanium Thimbles

Power Grip





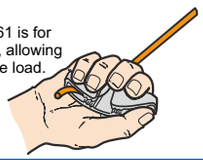


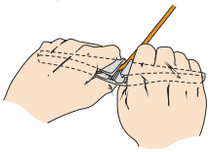
Kitesurfing Cleats	mm Ø / Inch Ø	A	B	C	Gms / Ozs
Racing Junior Mk2	3 - 6	55	27	17	23
CL211Mk2AN (Aluminium)	1/8–1/4	2 1/8	1 1/16	5/8	0.8
Trapeze and Vang Cleat					
CL253 (Aluminium)	4 - 8	90	72	18	46
CL253AN (Nylon & Aluminium)	5/32–5/16	3 9/16	2 13/16	11/16	1.6
Cobra Cleat					
CL264 (Aluminium)	4 - 6	120	-	23	47
CL264AN (Aluminium)	5/32–1/4	4 23/32	–	29/32	1.7
Racing Micros	1 - 4	44	24	13	13
CL268AN (Aluminium)	3/64–5/32	1 3/4	15/16	1/2	0.5
All Aluminiun Aero Cleat					
Based on CL211Mk2 Hard Anodised	5 - 6	67	–	15	34
CL285 (All Aluminium)	3/16–1/4	2 5/8	–	5/8	1.2
Aero base + CL211Mk2AN					
Hard Anodised Racing Junior	4 - 6	73	-	16	35
CL826-11AN (Nylon & Aluminium)	5/32–1/4	2 7/8	–	5/8	1.2
Aero base + CL268AN					
Hard Anodised Racing Junior	3 - 4	60	-	13	21
CL828-68AN (Nylon & Aluminium)	1/8–5/32	2 3/8	–	1/2	0.75
Aero base + CL211Mk2AN					
Racing Junior	4 - 6	78	-	16	46
CL829-11AN (Nylon & Aluminium)	5/32–1/4	3 1/16	–	5/8	1.6
Screw-on Stopper Ball	6	20	-	20	12
PT524 (Nylon)	1/4	13/16	–	13/16	0.4
Screw-on Stopper Ball	8 - 9	20	-	20	12
PT525 (Nylon)	5/16–3/8	13/16	–	13/16	0.4
Y Splitter	-	47	-	18	20
PT428 (Aluminium)	–	1 27/32	–	23/32	0.7

Titanium Thimbles	mm Ø / Inch Ø	A	B	C	S. W. L	Gms / Ozs
Size 1 (3-4mm)	3 - 4	16	7	6	400	2
PT5107	1/8–5/32	5/8	5/32	1/4		0.07
Size 2 (5-6mm)	5 - 6	23	10	8	800	4.5
PT5110	3/16–1/4	29/32	25/64	5/16		0.16

Power Grip Cleats	mm Ø / Inch Ø	A	B	C	Gms / Ozs
Tug Cleat	3 - 6	92	-	17	52
CL249 (Aluminium)	1/8–1/4	3 9/16	–	11/16	1.9
Power Grip 1	3 - 6	95	-	17	52
CL261 (Aluminium)	1/8–1/4	3 3/4	–	11/16	1.9
Power Grip 2	3 - 6	189	-	17	70
CL262 (Aluminium)	1/8–1/4	7 7/16	–	11/16	2.5

The CL249 & CL261 is for single handed use, allowing you to pull twice the load.

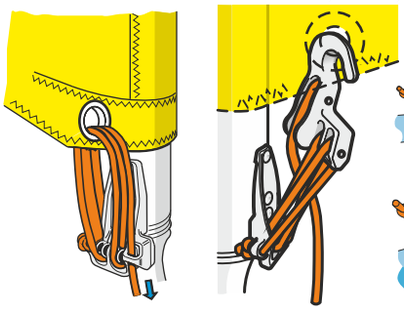


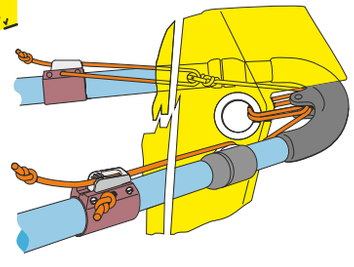


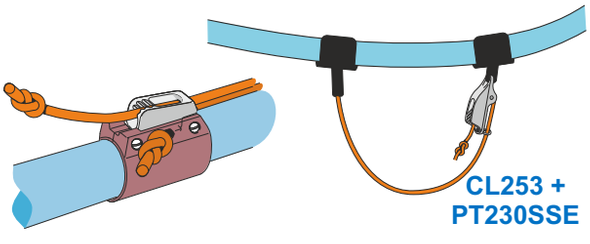
The CL262 is for 2 handed use, allowing you to increase the pull load.

Windsurfing Cleats	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	Gms / Ozs
Compact Twin Sheave Cleat **CL247** (Aluminium)	3 - 6 / ⅛–3⁄16	53 / 2 1⁄16	31 / 1¼	40 / 1 9⁄16	M5 / #10	40 / 1.4
Cleat with Hook and 2 Sheaves **CL248** (Aluminium)	3 - 5 / ⅛–3⁄16	69 / 2¾	- / –	/ 1 9⁄16	- / -	52 / 1.8
The Gap Closer **CL250** (Aluminium)	3 - 5 / ⅛–3⁄16	84 / 3¼	11+29 / 7⁄16+1⅛	/ 1⅞	M5 / #10	43 / 1.6
Trapeze and Vang Cleat **CL253** (Aluminium)	4 - 8 / 5⁄32–5⁄16	89 / 3½	70 / 2¾	18 / 11⁄16	- / -	46 / 1.6
Rivet-on Fitting for 6:1 Ratio **CL708** (Aluminium)	3 - 5 / ⅛–3⁄16	83 / 3¼	11+29 / 7⁄16+1⅛	37 / 1 7⁄16	M5 / #10	32 / 1.1
Boom Cleat and Clamp **CL244** (Aluminium & Nylon)	3 - 6 / ⅛–¼	58 / 2¼	- / -	- / -	- / -	32 / 1.1
Eye for CL230 & CL253 **PT230SSE (Stainless Steel)**	–	- / –	6 / ¼	12 / ½	- / –	- / -

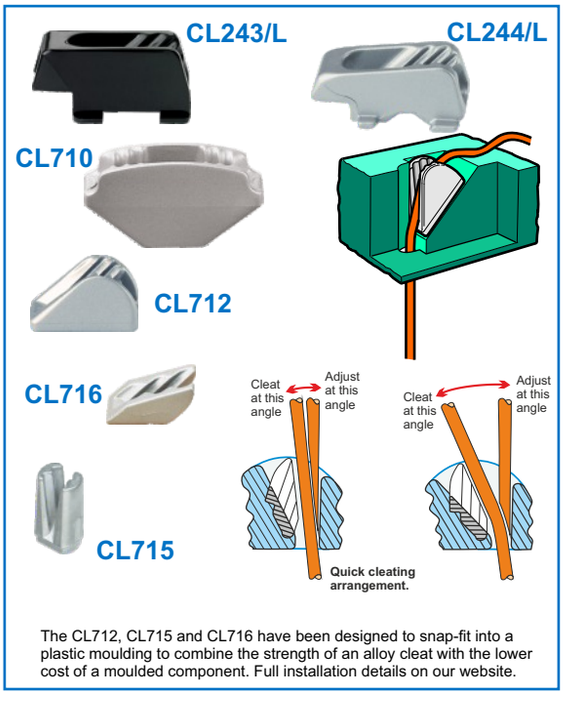








Insert Cleats	mm Ø / Inch Ø	A	B	C	Gms / Ozs
Insert Cleat with Fairlead **CL243/L** (Nylon)	3 - 6 / ⅛–¼	42 / 1 21⁄32	- / -	22 / ⅞	10 / 0.4
Insert Cleat with Fairlead **CL244/L** (Aluminium)	3 - 5 / ⅛–3⁄16	42 / 1 21⁄32	- / -	22 / ⅞	18 / 0.6
Twin Insert Cleat **CL710** (Aluminium)	3 - 6 / ⅛–¼	48 / 1⅞	- / -	13 / ½	18 / 0.6
Small Insert Cleat **CL712** (Aluminium)	3 - 5 / ⅛–3⁄16	28 / 1⅛	- / -	11 / 7⁄16	7 / 0.2
Insert Cleat CL715 (Aluminium)	3 - 5 / ⅛–3⁄16	9 / ⅜	- / -	12 / 7⁄16	3 / 0.1
Very Small Insert Cleat **CL716** (Aluminium)	3 - 4 / ⅛–5⁄32	24 / 15⁄16	- / -	11 / 7⁄16	4 / 0.11



The CL712, CL715 and CL716 have been designed to snap-fit into a plastic moulding to combine the strength of an alloy cleat with the lower cost of a moulded component. Full installation details on our website.


Image courtesy of North Windsurfing

Clamcleat® Rope cleats





PERFORMANCE ROPE HOLDING

Cleats For Rope Up To 8mm.

Cleats For Rope Up to 10mm

Cleats For Rope Up To 12mm





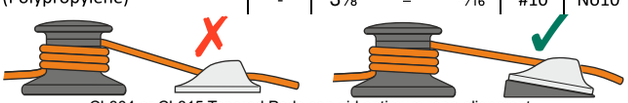


CL219VB



Our aluminium cleats are easily welded to provide a strong and permanent fixing. Where an alloy cleat needs to be fixed to an aluminiun surface welding can be less expensive than drilling holes and bolting on a cleat. Applications include aluminium fishing boats and oil rigs.

Cleats for Ropes to 8mm (5/16")	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Midi **CL209** (Nylon)	4 - 8 / 5/32–5/16	73 / 2 7/8	55 / 2 1/8	19 / 3/4	M5 / #10	4.8 / No10	20 / 0.7
Side-fixing Midi **CL215** (Nylon)	4 - 8 / 5/32–5/16	41 / 1 5/8	27 / 1 1/8	43 / 1 11/16	M5 / #10	4.8 / No10	14 / 0.5
Midi with Integral Fairlead **CL231** (Nylon)	4 - 8 / 5/32–5/16	88 / 3 7/16	54 / 2 1/8	22 / 7/8	M5 / #10	4.8 / No10	30 / 1.1
Racing Midi **CL254 & CL254AN** (Aluminium)	4 - 8 / 5/32–5/16	71 / 2 13/16	55 / 2 1/8	18 / 1 1/16	M5 / #10	4.8 / No10	38 / 1.3
Tapered Pad for CL209, CL254 & CL254AN **CL803** (Polypropylene)	-	79 / 3 1/8	- / –	24 / 15/16	M5 / #10	4.8 / No10	8 / 0.3



CL804 or CL815 Tapered Pads can aid optimum rope alignment.

Cleats for Ropes to 10mm (3/8")	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Horizontal **CL202** (Nylon)	6 - 10 / 1/4–3/8	74 / 2 15/16	51 / 2	79 / 3 1/8	M6 / 1/4	6.3 / No14	64 / 2.3
Lateral (Starboard) **CL206** (Nylon)	6 - 10 / 1/4–3/8	75 / 3	51 / 2	50 / 2	M6 / 1/4	6.3 / No14	35 / 1.3
Lateral (Port) **CL207** (Nylon)	6 - 10 / 1/4–3/8	75 / 3	51 / 2	50 / 2	M6 / 1/4	6.3 / No14	35 / 1.3



One of the first non-marine uses for Clamcleat® rope cleats was to tension and secure safety slings used by electricity and telephone engineers when working up ladders leaning against poles.



Cleats for Ropes to 12mm (1/2")	mm Ø / Inch Ø	A	B	C	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Vertical **CL201** (Nylon)	6 - 12 / 1/4–1/2	95 / 3 3/4	72 / 2 13/16	28 / 1 1/8	M6 / 1/4	6 / No14	43 / 1.5
Racing Vertical **CL219 & CL219AN** (Aluminium)	6 - 12 / 1/4–1/2	90 / 3 9/16	72 / 2 13/16	27 / 1 1/16	M6 / 1/4	6.3 / No14	70 / 2.5
Uncoated Racing Vertical **CL219VB** (Aluminium)	6 - 12 / 1/4–1/2	90 / 3 9/16	72 / 2 13/16	27 / 1 1/16	M6 / 1/4	6.3 / No14	70 / 2.5
Vertical with Integral Fairlead **CL228** (Nylon)	6 - 12 / 1/4–1/2	114 / 4 1/2	72 / 2 13/16	30 / 1 3/16	M6 / 1/4	6.3 / No14	68 / 2.4
Side-fixing Vertical CL280HEX (Nylon) & **CL280CSK** (Nylon)	6 - 12 / 1/4–1/2	60 / 2 3/8	45 / 1 3/4	61 / 2 13/32	M6 / 1/4	6.3 / No14	45 / 1.58
Tapered Pad for CL201, CL219, CL219AN, CL237 & CL238 **CL804** (Polypropylene)	-	103 / 4 1/16	- / -	34 / 1 3/8	M6 / 1/4	6.3 / No14	18 / 0.6

Bollards for Ropes to 16mm (⅝")

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Clam-Bollard **CL208** (Nylon)	6 - 10 / ¼-⅜	85Ø / 3⅜	65 / 2 9/16	- / -	M6 / ¼	6.3 / No14	67 / 2.4
Clam-Bollard Major **CL210** (Nylon)	10 - 16 / ⅜-⅝	99Ø / 3⅜	76 / 3	- / -	M8 / 5/16	8 / No16	141 / 5.0



Spring-gate Cleats for ropes to 12mm (½")

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Vertical with Spring-gate **CL237 (Nylon)**	6 - 12 / ¼-½	95 / 3¾	72 / 2 13/16	40 / 1⅝	M6 / ¼	6.3 / No14	47 / 1.7
Racing Vertical with Spring-gate **CL238**	6 - 12 / ¼-½	90 / 3 9/16	72 / 2 13/16	40 / 1⅝	M6 / ¼	6.3 / No14	75 / 2.6





Spring-gate Cleats for ropes to 16mm (⅝")

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Major with Spring-gate **CL239 (Nylon)**	10 - 16 / ⅜-⅝	122 / 4 13/16	95 / 3¾	49 / 2	M8 / 5/16	6.3 / No14	88 / 3.2
Racing Major with Spring-gate **CL240**	12 - 16 / ½-⅝	118 / 4⅝	95 / 3¾	50 / 2	M8 / 5/16	6.3 / No14	166 / 5.9





Cleats for Ropes to 16mm (⅝")

	mm Ø / Inch Ø	A	B	C (mm / Inch)	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Major **CL205** (Nylon)	10 - 16 / ⅜-⅝	122 / 4 13/16	95 / 3¾	36 / 1 7/16	M8 / 5/16	6.3 / No14	85 / 3.0
Racing Major **CL220** (Aluminium)	12 - 16 / ½-⅝	118 / 4⅝	95 / 3¾	37 / 1½	M8 / 5/16	6.3 / No14	163 / 5.7
Uncoated Racing Major **CL220** (Aluminium)	12 - 16 / ½-⅝	118 / 4⅝	95 / 3¾	37 / 1½	M8 / 5/16	6.3 / No14	163 / 5.7
Fairlead for CL205, CL220, CL239 & CL240 - CL2245 (Stainless Steel)	-	50 / 1 31/32	- / -	41 / 1⅝	M8 / 5/16	6.3 / No14	72 / 2.5
Tapered Pad **CL805** (Polypropylene)	-	131 / 5⅛	- / -	45 / 1¾	M8 / 5/16	6.3 / No14	35 / 1.2



The CL220VB and CL219VB with uncoated finish, for welding to an aluminium substrate.







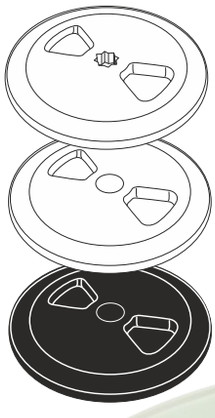
PERFORMANCE ROPE HOLDING



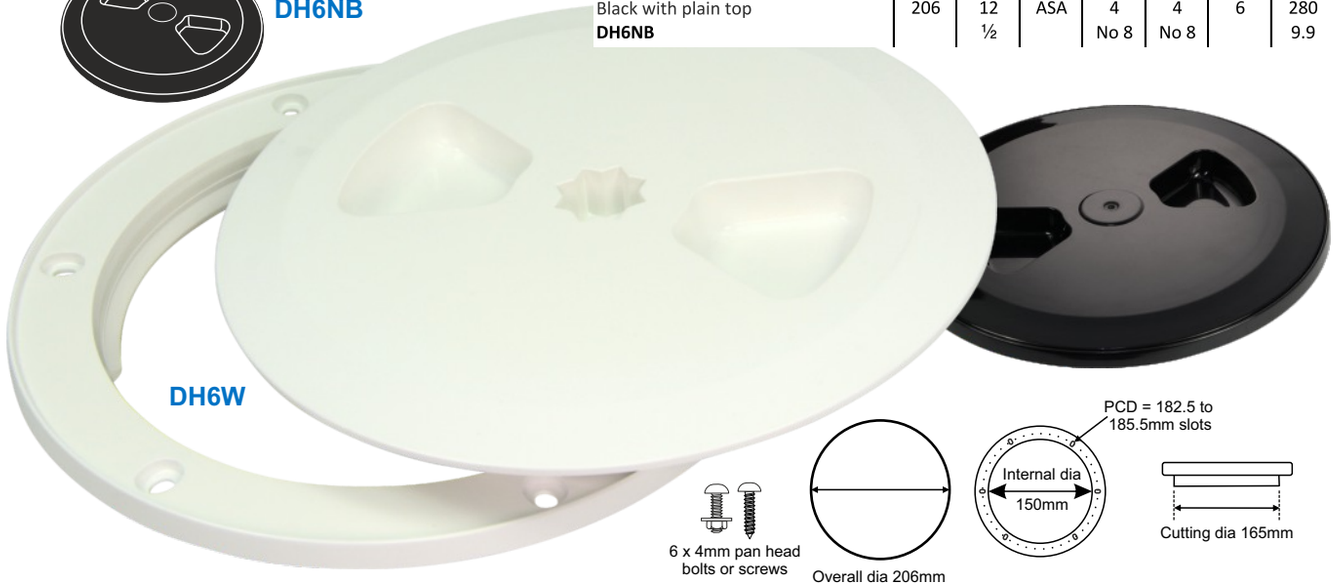
Shockcord Products for Ropes to 8mm (5/16")	mm Ø / Inch Ø	A	B	C	mm / Inch	mm Ø / Inch Ø	mm Ø / Gauge Ø	Gms / Ozs
Rigid Inflatable Boat Hook **PT401 & PT401W** (Acetal)	3 - 6 / 1/8–1/4	39 / 1½	- / -	38 / 1½	- / -	- / -	- / -	9 / 0.3
Shockcord Ball **PT520 & PT520W** (Polypropylene)	5 - 7 / 3/16–9/32	19 / ¾	- / -	21 / 13/16	- / -	- / -	- / -	4 / 0.1
T-Bar for shockcord **PT403** (High density Polyethylene)	4 - 6 / 5/32–1/4	43 / 1 11/16	- / -	10 / 12/32	- / -	- / -	- / -	1.2 / 0.04
Hook for shockcord **PT404** (High density Polyethylene)	5 - 7 / 3/16–9/32	50 / 1 31/32	- / -	23 / 29/32	- / -	- / -	- / -	4 / 0.15
Hook Connector for shockcord **PT405 & PT405W** (Nylon)	4 - 8 / 5/32–5/16	57 / 2¼	- / -	25 / 1	- / -	- / -	- / -	8.2 / 0.29



Stopper Balls	mm Ø / Inch Ø	A	B	C	mm / Inch	Gms / Ozs
Screw-on Stopper Ball **PT524** (Nylon)	6 / ¼	20 / 13/16	- / –	20 / 13/16		12 / 0.4
Screw-on Stopper Ball **PT525** (Nylon)	8 - 9 / 5/16–3/8	20 / 13/16	- / –	20 / 13/16		12 / 0.4

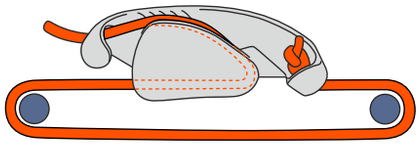


150mm Access cover with Seal	Dia mm Ø / Inch Ø	Height mm Ø / Inch Ø	Material	mm Ø / Inch Ø	mm Ø / Gauge Ø	No. of Fixings	Gms / Ozs
Inspection Access Cover White with winch handle socket **DH6W**	206	12 / ½	ASA	4 / No 8	4 / No 8	6	280 / 9.9
Inspection Access Cover White with plain top **DH6NW**	206	12 / ½	ASA	4 / No 8	4 / No 8	6	280 / 9.9
Inspection Access Cover Black with plain top **DH6NB**	206	12 / ½	ASA	4 / No 8	4 / No 8	6	280 / 9.9



Trucker Hitch Cleat

	mm Ø Inch Ø	A	B	C	mm Ø Inch Ø	mm Ø Gauge Ø	Gms Ozs
Trucker Hitch Cleat **CL719** (Nylon)	5 - 7 3/16–9/32	139 5 7/16	- -	28 1 7/16	- -	- -	73 2.6



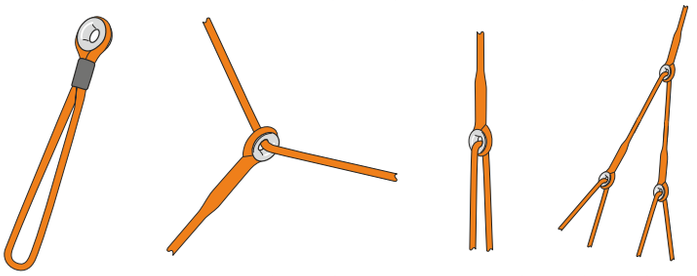


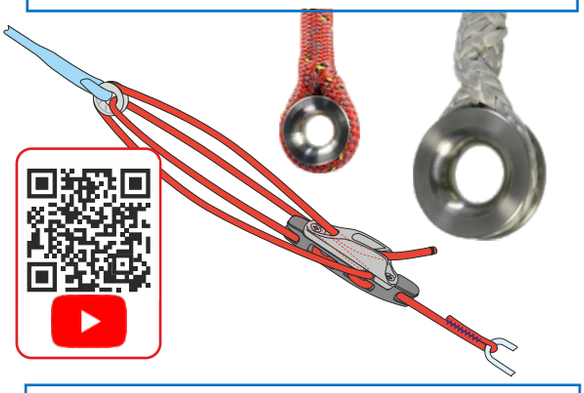


Titanium Thimbles

	mm Ø Inch Ø	A	B	C	S. W. L	Gms Ozs
Size 1 (3-4mm) **PT5107**	3 - 4 1/8–5/32	16 5/8	7 5/32	6 1/4	400	2 0.07
Size 2 (5-6mm) **PT5110**	5 - 6 3/16–1/4	23 29/32	10 25/64	8 5/16	800	4.5 0.16
Size 3 (7-8mm) **PT5115**	7 - 8 9/32–5/16	34 1 1/3	15 19/32	11 7/16	1500	14 0.49
Size 4 (12-13mm) **PT5120**	12 - 13 1/4–33/64	45 1 7/9	20 4/5	18 5/7	3000	32 1.13



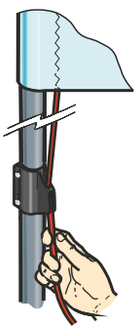




Cleats for tubes to 43mm (1 11/16")ø

	mm Ø Inch Ø	A	B	C	mm Ø Inch Ø	mm Ø Gauge Ø	Gms Ozs
Cleat and Integral Clamp **CL235** (Nylon)	3 - 6 1/8–1/4	67 2 5/8	- -	36 1 11/16	30-32 1 1/8-1 1/4	- -	17 0.6
Boom Cleat and Clamp **CL243/S5** (Nylon)	3 - 6 1/8–1/4	58 2 1/4	- -	- -	20-21 13/16	- -	28 1.0
Boom Cleat and Clamp **CL244+CL105** (Aluminium & Nylon)	3 - 5 1/8–1/16	58 2 1/4	- -	- -	30-32 1 1/8-1 1/4	- -	32 1.1
Boom Cleat and Clamp **CL244+CL111** (Aluminium & Nylon)	3 - 5 1/8–3/16	58 2 1/4	- -	- -	34-36 *	- -	32 1.1
Boom Cleat and Clamp **CL244+CL115** (Aluminium & Nylon)	3 - 5 1/8–3/16	58 2 1/4	- -	- -	35-37 1 3/8-1 7/16	- -	32 1.1
Boom Cleat and Clamp **CL244+CL134** (Aluminium & Nylon)	3 - 5 1/8–3/16	58 2 1/4	- -	- -	42-43 **	- -	32 1.1
Bar Cleat **CL265** **CL265AN** (Aluminium & SS clamp)	4 - 8 5/32–5/16	63 2 1/2	66 2 5/8	18 1 1/16	25-31 2 1/2	- -	60 2.1





* 1 11/32–1 27/64 | ** 1 21/32–1 11/16







PERFORMANCE ROPE HOLDING

CL279

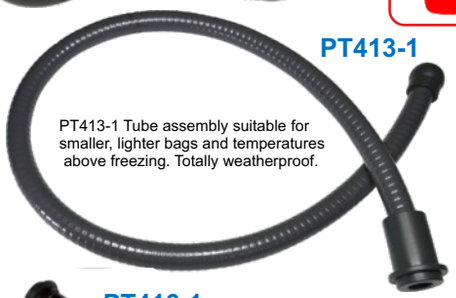


Cleat for Underground Recycling Bags	mm Ø Inch Ø	A	B	C	Gms Ozs
Cleat for Recycling Bag **CL279** (Nylon)	10 ⅜	198 7¾	95 3¾	55 2 3/16	250 9.0

PT406



PT413-1



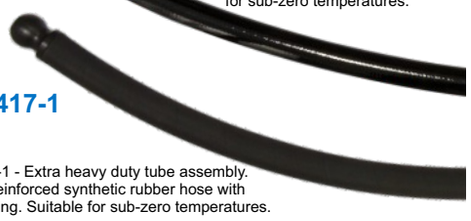
PT413-1 Tube assembly suitable for smaller, lighter bags and temperatures above freezing. Totally weatherproof.

PT416-1



PT416-1 - Heavy duty tube assembly. Fibre reinforced plastic hose with end fittings. totally weatherproof. Suitable for sub-zero temperatures.

PT417-1



PT417-1 - Extra heavy duty tube assembly. Steel reinforced synthetic rubber hose with end fitting. Suitable for sub-zero temperatures.



PT414-9

PT414-9 - Low friction strong abrasion resistant yellow rope with spliced eye one end including protective sleeve.

Accessories for Recycling Bags	mm Ø Inch Ø	A	B	C	Gms Ozs
Loop for use with CL279 Refuse Bag Cleat **PT406** (Nylon)	- -	148 5 13/16	- 	93 3⅝	95 3.4
Tube Assembly 1m long with end fittings **PT413-1** (Reinforced PVC)	8-11 5/16–7/16	1010 40	- -	- -	180 6
Tube Assembly 1m long with end fittings **PT416-1** (Fibre Reinforced Plastic)	8-11 5/16–7/16	1010 40	- -	- -	410 14
Tube Assembly 1m long with end fittings PT417-1 (Steel Reinforced Synthetic Rubber)	8-11 5/16–7/16	1010 40	- -	- -	910 32
Rope, 10mmØ X 8 Metres, eye one end **PT414-9** (Polyethylene)	6 - 10 ¼–⅜	8000 312	- -	10 ⅜	- -



Ball end of tube and rope secured in CL279 cleat







Square end of tube (& rope) attach to PT406 Loop at bottom of bag.



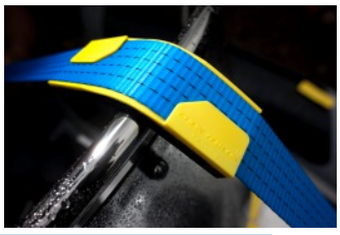
PT418

Use with semi-buried recycling bags with bottom lids.

Clamp for Bottom Lid Recycling Bags	mm Ø Inch Ø	A	B	C	Gms Ozs
Cleat for Recycling Bag with Solid Lid **PT418** (Nylon)	10 ⅜	275 10⅝	70+70 2¾+2¾	100 3⅞	645 23.0

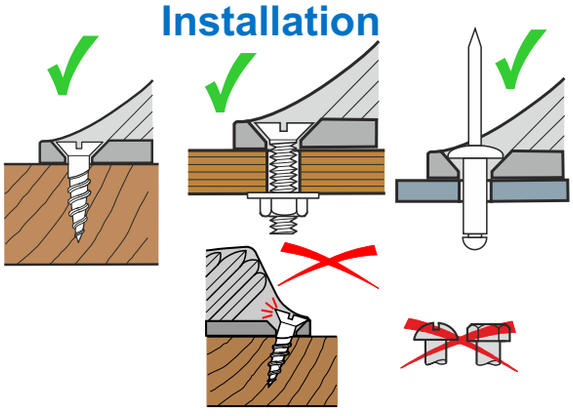
Chok-A-Blok Strap Guard for Webbing	mm Ø Inch Ø	A	B	mm Inch C	Gms Ozs
Webbing up to 38mm **CAB35** (Polypropylene)	38 1½	160 6¼	- –	43 1 11/16	21 0.7
Webbing up to 50mm **CAB50** (Polypropylene)	50 2	178 7	- –	58 2¼	35 1.22





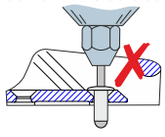


Installation

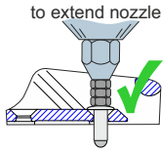


Pop riveting cleats

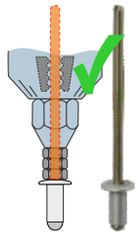
Standard rivet gun nozzles do not fit inside cleat



Use 2 or 3 nuts to extend nozzle

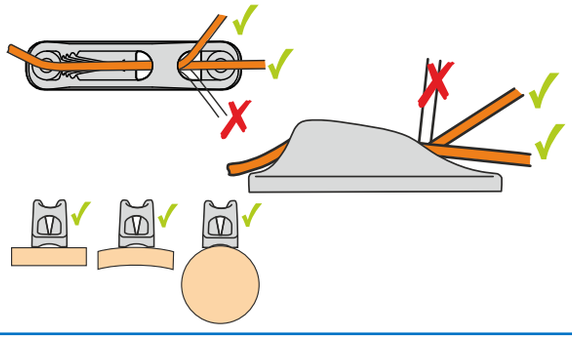


When nozzle is extended, a standard mandrel can be too short to be gripped. PT247RIV solves this problem.

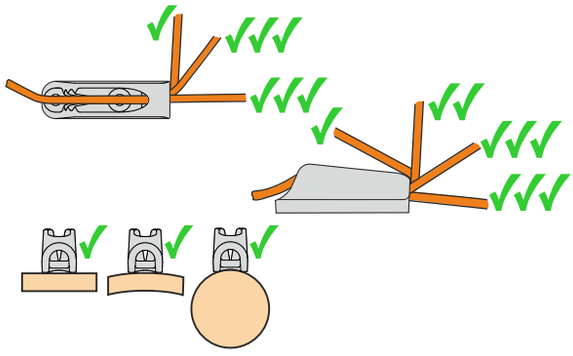


PT247RIV, with extra long mandrel

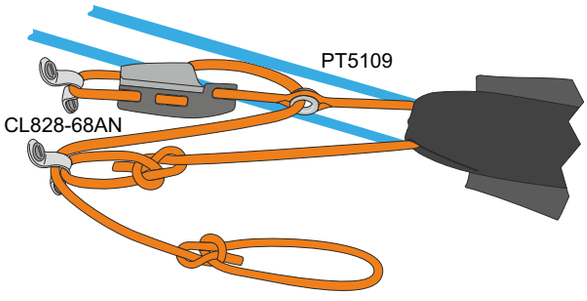
MK1 cleat lead angles



MK2 cleat lead angles



Laser /ILCA toestrap adjuster



Aero Cleat 4:1 ratio

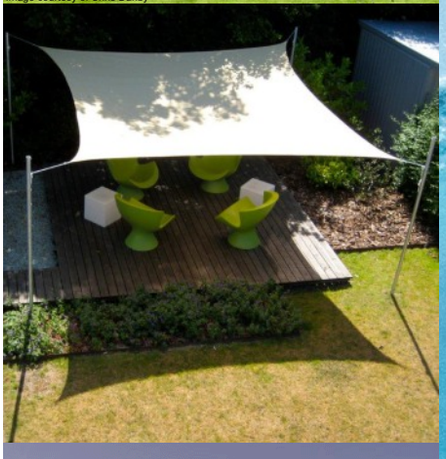




Image courtesy of Jolanda Linschooten



Image courtesy of Chris Danby







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