

# Ball Bearing Cam Cleats



Part No.	Description	Height		Length		Width		Weight		Line Ø		Fastener spacing		Maximum working load		Breaking load		Pawls	
		in	mm	in	mm	in	mm	oz	g	in	mm	in	mm	lb	kg	lb	kg		
150	Cam-Matic*	1 <sup>3</sup> / <sub>16</sub>	30	2 <sup>9</sup> / <sub>16</sub>	65	1 <sup>1</sup> / <sub>4</sub>	32	2.50	71	1/8 - 1/2	3 - 12	1 <sup>1</sup> / <sub>2</sub>	38	300	136	750	340	Aluminum	
280	Offshore Cam-Matic‡	1 <sup>7</sup> / <sub>16</sub>	37	3 <sup>3</sup> / <sub>8</sub>	85	1 <sup>1</sup> / <sub>2</sub>	38	5.25	148	1/4 - 5/8	6 - 16	2 <sup>1</sup> / <sub>16</sub>	52	500	227	1000	454	Aluminum	
468	Micro Cam-Matic**	7/8	22	1 <sup>7</sup> / <sub>8</sub>	48	1 <sup>5</sup> / <sub>16</sub>	24	0.93	26	3/32 - 1/4	2 - 6	1 <sup>1</sup> / <sub>16</sub>	27	200	91	400	181	Aluminum	
491	Offshore Cam-MaticSS ‡	1 <sup>7</sup> / <sub>16</sub>	37	3 <sup>3</sup> / <sub>8</sub>	85	1 <sup>1</sup> / <sub>2</sub>	38	13.4	380	1/4 - 5/8	6 - 16	2 <sup>1</sup> / <sub>16</sub>	52	500	227	1000	454	Stainless steel	
365	Carbo-Cam*	1 <sup>3</sup> / <sub>16</sub>	30	2 <sup>9</sup> / <sub>16</sub>	65	1 <sup>1</sup> / <sub>4</sub>	32	1.44	42	1/8 - 3/8	3 - 10	1 <sup>1</sup> / <sub>2</sub>	38	200	91	500	227	Plastic carbon-matrix	
412	Double Cam-Matic*	2 <sup>1</sup> / <sub>16</sub>	53	3 <sup>7</sup> / <sub>32</sub>	81	1 <sup>1</sup> / <sub>4</sub>	32	4.50	126	5/16 - 3/8	8 - 10	2 <sup>1</sup> / <sub>16</sub>	62	500	227	750	340	Aluminum	
471	Micro Carbo-Cam**	7/8	22	1 <sup>7</sup> / <sub>8</sub>	48	1 <sup>5</sup> / <sub>16</sub>	24	0.67	19	1/8 - 1/4	3 - 6	1 <sup>1</sup> / <sub>16</sub>	27	150	68	300	136	Plastic carbon-matrix	
<b>Trigger Cleat</b>																			
418	Trigger cleat ††	1 <sup>3</sup> / <sub>8</sub>	35	2 <sup>1</sup> / <sub>2</sub>	64	3	76	5.6	159	3/16 - 1/2	5 - 12	2	51	500	227	1000	454	Stainless steel	
355	Trigger cleat adapter plate	1/4	6	3 <sup>9</sup> / <sub>64</sub>	79	1 <sup>9</sup> / <sub>32</sub>	31	1.3	36	—	—	2 <sup>5</sup> / <sub>8</sub>	66	—	—	—	—	—	

\*#10 (5 mm) FH fasteners. \*\*#8 (4 mm) RH fasteners. ‡6 mm (1/4") FH fasteners. ††#10 (5 mm) TH fasteners.

# Cam Kits



## Micro Kits

Part No.	Description	Cam	Wedge	Fairlead	Weight	
					oz	g
472	Carbo-Cam/wedge/wire fairlead	471	297	475	1.2	33
469	Cam-Matic/wire fairlead	468	—	475	1.2	33
473	Carbo-Cam/wire fairlead	471	—	475	0.9	26
474	Carbo-Cam/X-Treme Angle Fairlead	471	—	476	1.7	47
470	Cam-Matic/X-Treme Angle Fairlead	468	—	476	1.9	55
498	Cam-Matic/Fast Release Fairlead	468	—	495	1.8	52
499	Carbo-Cam/Fast Release Fairlead	471	—	495	1.5	43

## Standard Kits

Part No.	Description	Cam	Wedge	Fairlead	Weight	
					oz	g
326	Carbo-Cam/wire fairlead	365	—	298	2.00	54
327	Cam-Matic/wire fairlead	150	—	298	3.00	85
458	Cam-Matic/X-Treme Angle Fairlead	365	—	375	3.36	98
459	Cam-Matic/X-Treme Angle Fairlead	150	—	375	4.42	127
496	Cam-Matic/Fast Release Fairlead	150	—	494	4.85	137
497	Carbo-Cam/Fast Release Fairlead	365	—	494	3.53	100

# Cam Cleat Accessories

Use these accessories to adapt our cleats for many applications, such as cleaning up cockpit controls with color-coding or leading a line cleanly to a cleat.

The 475 Micro Cam-Matic cleat and 298 wire fairleads guide line into the entrance side of the cleat, maintaining a low profile and holding line close to the cleat.

Use the 475 with the 468 and 471 Micro Cam-Matic cleats. Use the 298 wire fairlead with the 150 Cam-Matic and 365 Carbo-Cam cleats.

The 494 and 495 Fast Release Fairleads feature low-friction, angled stainless steel line guides on the exit side of the cleat. The angled lead keeps the line away from the cam to eliminate unexpected recleats during maneuvers. Use for fast spinnaker take-downs during mark roundings—anywhere fast release is crucial. Harken Cam-Matic Fairleads are made of tough, abrasion-resistant composite.

Use the 495 with 468 and 471 Micro Cam-Matic cleats; the 494 fairlead with the 150 Cam-Matic and 365 Carbo-Cam cleats.

The 375 X-Treme Angle Fairlead uses low-friction stainless steel line guides on the exit side of the cleat. This allows crew to release and recleat at angles up to 90 degrees to the cleat without centering the line. Perfect for cabintop controls and adjusting deck cleats from the rail. A must for fine-tuning Laser outhaul and cunningham controls. Harken Cam-Matic Fairleads are made of tough, abrasion-resistant composite. Use the 476 X-Treme Angle Fairlead with the 468 and 471 Micro Cam-Matic cleats; the 375 X-Treme Angle Fairlead with the 150 Cam-Matic and 365 Carbo-Cam cleats.

The 424 and 425 low-profile, top-mounted Fairleads can also be used to guide lines. They feature stainless wearguards and are available in various colors for color coding cams. Use the 424 with the 468 and 471 Micro Cam-Matic cleats. Use the 425 with the 150 Cam-Matic and 365 Carbo-Cam cleats.

Wedge kits and risers improve the angle of your cams. A range of eyestraps holds line at the cleat and provides fair leads.



*Cleat and uncleat at angles up to 90 degrees.*

*Stainless steel loop provides low-friction turning post.*

*Base plate ensures optimal cleating height.*

*Ideal for Laser outhaul/cunningham controls.*

Part No.	Description	Height above cam		Height		Length		Width		Weight		Fastener spacing		Fits
		in	mm	in	mm	in	mm	in	mm	oz	g	in	mm	
<b>Micro</b>														
281	Eyestraps	1/2	12	—	—	17/16	36	7/16	11	.16	4.5	11/16	27	468/471
475	Wire fairlead	—	—	15/16	23	17/8	48	15/16	24	.29	8	11/16	27	468/471
293	Flat cam riser	—	—	5/8	16	17/8	48	15/16	24	.50	14	11/16	27	468/471
294	15° angled micro cam riser	—	—	3/4	19	17/8	48	15/16	24	.75	21	11/16	27	468/471
297	Cam wedge kit	—	—	—	—	17/8	48	15/16	24	.16	5	11/16	27	468/471
476	X-Treme Angle Fairlead	7/8	22	17/16	37	15/16	33	2	51	1	29	11/16	27	468/471
424	Fairlead‡‡	7/16	11	—	—	15/8	41	5/8	16	.13	3.5	11/16	27	468/471
495	Fast Release Fairlead	9/16	14	19/16	40	15/16	33	115/16	49	.92	26	11/16	27	468/471
<b>Standard</b>														
137	Eyestraps	3/4	19	—	—	2	51	9/16	14	.32	9	11/2	38	150/365
145	Cam wedge kit	—	—	—	—	29/16	65	11/4	32	1.00	28	11/2	38	150/365
201	Low-profile eyestraps	3/8	10	—	—	17/8	48	7/16	11	.16	4.5	11/2	38	150/365
295	Flat cam riser	—	—	1	28	29/16	65	11/4	32	1.50	38	11/2	38	150/365
296	15° angled cam riser	—	—	1	25	29/16	65	11/4	32	1.25	35	11/2	38	150/365
298	Wire fairlead	—	—	11/4	32	29/16	65	11/4	32	.50	14	11/2	38	150/365
375	X-Treme Angle Fairlead‡	15/16	24	21/4	57	113/16	46	29/16	65	1.92	56	11/2	38	150/365
425	Fairlead‡‡	5/8	16	—	—	23/16	56	13/16	21	.25	7	11/2	38	150/365
438	Cam adapter plate	—	—	9/16	14	3	76	17/16	36	2.50	71	11/2	38	150/365
494	Fast Release Fairlead	3/4	19	23/32	53	113/16	47	23/8	67	2.12	60	11/2	38	150/365
<b>Offshore</b>														
282	Large eyestraps	15/16	23	—	—	213/16	71	3/4	19	.80	23	21/16	52	280
283	Offshore cam wedge kit	—	—	—	—	37/8	85	11/2	38	1.50	43	21/16	52	280

‡Max line Ø: 10 mm (3/8). ‡‡Indicate color: BL (blue), Y (yellow), G (green), B (black), R (red).

# Cam Cleat Accessories

Micro

Standard

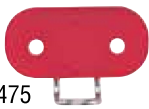
Offshore



Lightweight, fiber-reinforced Flairleads feature stainless wearguards for long life and are available in various colors for color-coding cams.



Wedge kits and risers are available to improve cam angles. Underdeck shims are included with angled risers and wedges for easy mounting.



The 438 adapter plate is perfect for use on masts and booms. It raises the cleat off the mast to improve the cleating angle and control.

