

Constrictor® Textile Rope Clutch

Unlike conventional clutches the Constrictor® system does not crush the rope between two metal surfaces. Instead, the loaded rope is held securely in a textile sock, itself attached to an anchor base. The rope runs freely through the sock in one direction, but is gripped instantly within the sock when running out in the opposite direction. This patented “constrictor effect”, provides increasing holding power as the load increases.

Stronger and Lighter

Twice the holding power and a third of the weight of conventional rope clutches.

No Line Abrasion or Rupture

The textile sock closes like an octopus on the line. The extraordinary grip is the result of fibre-to-fibre contact that is far less aggressive than a traditional metal cam, but much more effective

Release Under Load

The line can easily and safely be released under load without the use of a winch, simply by pulling the lanyard.

Remote Release

The Dyneema® lanyard can be extended to offer remote release; to reduce spar compression and minimise halyard creep.

Anatomy of the Constrictor®

Bi-Conical Titanium Base

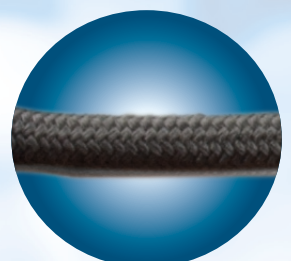
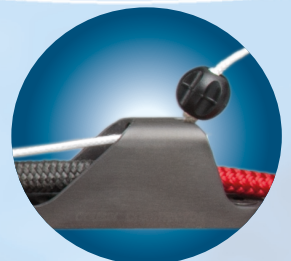
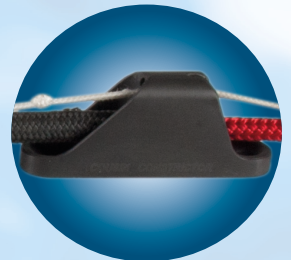
The patented textile sock element is locked in place between a titanium ring and the anchor base. The unique conical geometry allows easy insertion of the rope, and ensures that the sock is perfectly integrated with the anchor base in supporting the applied load.

Opening System

Pulling on the SK75 Dyneema® lanyard retracts the sock, relaxing the grip on the rope and allowing it to run freely in either direction. The lanyard can be fixed in the open position using the V-notch in the anchor base.

Textile Sock

- **Braid Orientation:** COUSIN Trestec's experience and expertise in rope manufacture has guided development of the critical braiding angle to maximise grip and minimise slippage.
- **Fibre Assembly:** Extensive knowledge of fibres combined with laboratory and field testing has resulted in an optimal fibre balance and density for unmatched strength.
- **Treatment:** A specialised surface treatment plays a critical role in extending the product life, boosting grip and reducing abrasion in stress areas.

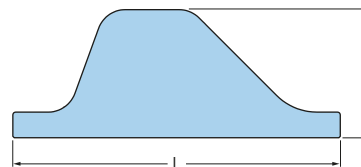
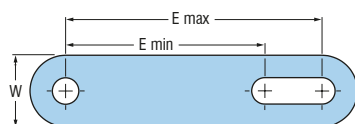


Constrictor® Textile Rope Clutches



- ✓ twice the holding power of conventional clutches.
- ✓ Three times lighter than conventional clutches.
- ✓ No line abrasion or rupture.
- ✓ Safe and easy release under load.
- ✓ Halyard and control applications on boats to 20m (65 ft).

- ⚙ Cast aluminium alloy anchor base
- ⚙ Titanium locking ring.
- ⚙ SK75 Dyneema® release lanyard.
- ⚙ Aramid sock.



PRODUCT No.	DESCRIPTION	B.L.*	W	L	H	Sock Length	E min	E max	Weight	B.L.*	W	L	H	Sock Length	E min	E max	Weight
		kg								mm							
CT306P001	Constrictor 6 (1/4")	1150	25	115	45	450	70	90	150	2600	1	4 9/16	4 1/2	17 3/4	2 3/4	3 1/2	5.3
CT308P001	Constrictor 8 (5/16")	1800	25	115	45	500	70	90	155	4050	1	4 9/16	4 1/2	19 11/16	2 3/4	3 1/2	5.4
CT310P001	Constrictor 10 (3/8")	2100	25	115	45	500	70	90	160	4720	1	4 9/16	4 1/2	19 11/16	2 3/4	3 1/2	5.6
CT312P001	Constrictor 12 (1/2")	3500	36	126	58	650	70	90	330	7870	1 3/8	5	5	25 9/16	2 3/4	3 1/2	11.6
CT314P001	Constrictor 14 (9/16")	4350	36	126	58	650	70	90	340	9780	1 3/8	5	5	25 9/16	2 3/4	3 1/2	12.0

*For nominal rope diameter