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Allen Keyball Trapeze System

For many years the development team at Allen were keen to design a trapeze system that improves the safety of the sport and reduces the risk of entrapment by the traditional hook-on trapeze harness.

Designer Julian Bethwaite had also been thinking along the same lines and had produced a prototype of the keyball trapeze system. In conjunction with Bethwaite Design, Allen have developed the concept into a sleek and innovative design, eliminating the hook altogether to create a safe intuitive solution that really works.

The ball and guide is manufactured from solid aluminium in three parts:-

- A solid aluminium guide with an integral rope-friendly thimble for attachment to the trapeze lines via a height adjustable rope system.
- A flexible section joining the ball to the guide enabling articulation
- A solid aluminium ball for smooth and secure location

The buckle is manufactured from two parts and bolted securely together:-

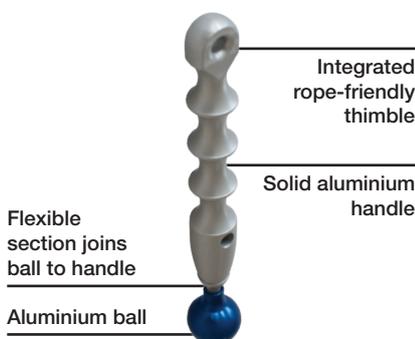
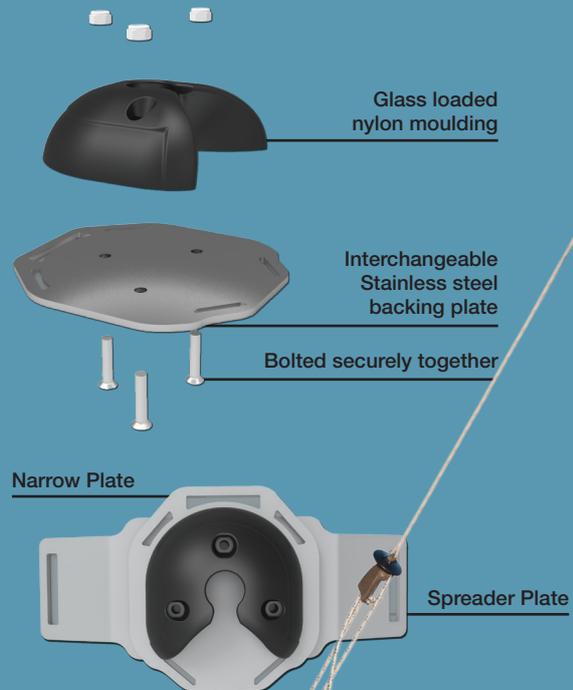
- A 3D moulded keyhole with a wide opening guides the ball securely into place when trapezing whilst easily releasing when required.
- A stainless steel back-plate in either narrow or spreader format allow for easy changing to suit different designs of harness.

The Solution

A streamline design with no hook to get tangled or cause damage to the hull of your boat.

Buckle - manufactured from two parts to allow for easy changing of the backplate, to suit different trapeze harness designs.

Ball and Guide - manufactured in 3 parts to enable the ball to be flexible, which helps with articulation.



Wide opening allows for easy target area

3D profile guides the ball in

Once located it is secure in a secondary recess