

**KZ** RACEFURLERS





50 KNOTS, ZERO VISIBILITY AND SPRAY LIKE A FIREHOSE – THIS IS NO TIME TO BE WORRYING ABOUT RELIABILITY ...



**THAT'S  
WHEN  
YOU'RE  
GLAD YOU  
SPECIFIED  
KZ RACE  
FURLERS**

**KZ RACE FURLERS ... THE CHOICE OF VOLVO OCEAN RACERS AND THE PAST FOUR CHAMPIONS**

**2001-02**  
ILLBRUCK

**2005-06**  
ABN AMRO ONE  
BLACK PEARL  
BRASIL 1  
ABN AMRO TWO  
ERICSSON  
MOVISTAR

**2008-09**  
ERICSSON 4  
IL MOSTRO  
TELEFONICA BLUE  
ERICSSON 3  
TELEFONICA BLACK  
DELTA LLOYD  
TEAM RUSSIA

**2011-12**  
GROUPAMA  
CAMPER  
PUMA  
TELEFONICA  
ABU DHABI  
SANYA

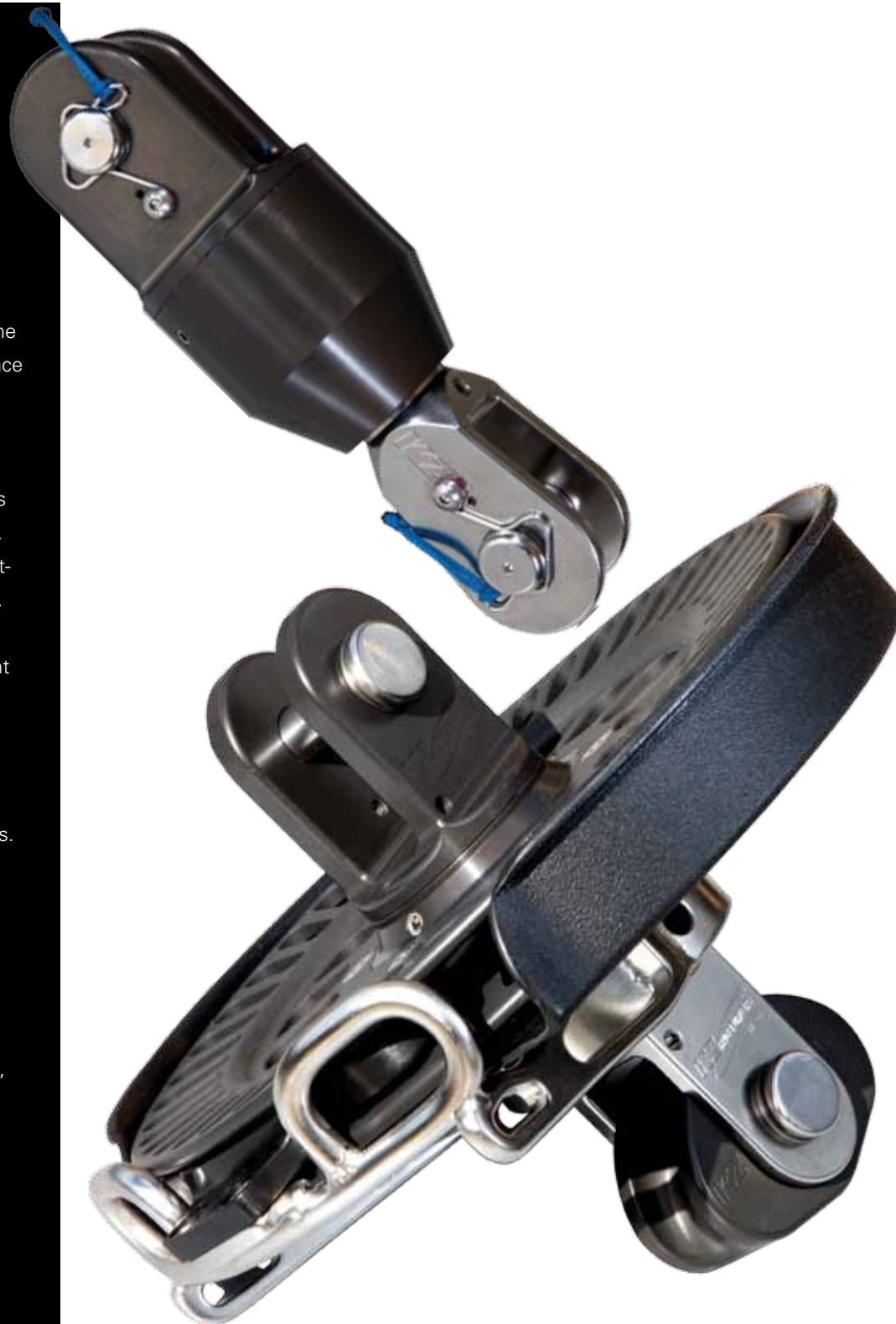
**2014-15**  
OFFICIAL  
SUPPLIER  
FOR THE  
NEW VOLVO 65  
ONE DESIGN  
FLEET

**KZ RACEFURLERS** come with a world-class reputation. They have been bred in the toughest conditions of the Volvo Ocean Race – the most severe test of men, machines and equipment.

In a contest where eliminating breakdowns and maximising usability is key to success, **KZ RACEFURLERS** have outlasted and outperformed the competition time and again.

Peace of mind is knowing that if equipment can stand the ultimate test, it can be used with confidence under most conditions. Whether it is America's Cup catamarans, cruisers, club racers, or superyachts, **KZ RACEFURLERS** can meet the demands. If our standard units do not match your requirements, we can custom design and manufacture to your precise specification.

A range that meets the needs of all furling and flying sails in all conditions, **KZ RACEFURLERS** ensure the smoothest, fastest furling without compromising strength or reliability.



## **KZ** RACEFURLERS OFFSHORE SERIES

- Robust and reliable to withstand tough offshore conditions
- Trusted KZ technology which has been tested by the best sailors in the world over thousands of miles
- Customised to suit each individual yacht bow set up
- Various drum sizes allow the perfect winch gearing ratio
- Ability to furl at SWL with optimised sealed bearing design reducing rotational friction
- Easily serviceable for maintenance
- The furler of choice for the Volvo Ocean Race 2014.





## **KZ** RACEFURLERS **INSHORE SERIES**

- Simple yet functional, perfect for inshore racing and cruising
- Modular components to get the right fit for individual boats, using high quality Tylaska and Wichard connections
- Trusted KZ technology at a lower cost than the Offshore Series
- Ability to furl at SWL with optimised sealed bearing design reducing rotational friction
- Can be up-spec'd to 'Xtreme' standard by using titanium and 7000 series alloy where weight is crucial, as seen on the America's Cup AC72s
- Easily serviceable for maintenance.



- Titanium and 7000 series aluminium construction
- 50% weight saving over standard head swivel
- Ability to furl at SWL with optimised sealed bearing design reducing rotational friction
- Low profile titanium pins to avoid snagging in the rig
- The swivel of choice for the Louis Vuitton Cup and the America's Cup

**XTREME**

**NO COMPROMISE**

**WE BUILD UP TO A STANDARD, NOT DOWN TO A PRICE**









# TOP DOWN FURLING

Developed and refined in close consultation with the world's top racing sailors, the most efficient system for furling free-flying Code Zero and Gennaker sails is top down. This avoids those nightmare situations where the top of the sail blows out into an untidy bag, leaving lots of flapping windage and drag up high, exactly where it can do most harm to the sail and ruin your perfectly-executed mark rounding. The top-down furl is faster, tighter and cleaner, even allowing the furled sail to remain hoisted if necessary.

As the name suggests, the furl begins at the head of the sail via a torque stay driven by the furler.

**Prominent yachts using our Top Down system include:**

**Wild Oats • Hamilton • Wild Thing • Esimit Europa • Leopard • Ragamuffin • Beau Geste • Singularity • Bella Mente • Alegre • Black Jack VOR 70 • Hugo Boss • Virbac Paprec • Georgia Racing • Beecom**

#### **Key Design Features of the KZ System:**

- Quad row patented ball race reduces friction
- Universal connection to existing furlers – we can adapt our parts to suit existing installations
- Our system works with cables from all major existing suppliers including Future Fibres, Smart Rigging, Doyle Rigging, Navtec, Southern Spars etc
- Optimised tack load distribution through dual eyes
- Where luff length is crucial, the free-spinning rotator can be built into the furler unit
- Sizes range from 2 – 30T SWL
- We can design, adapt or customise parts to suit programs large and small.

## KZ RACEFURLERS are supported by a high-performance range of products and fittings



### HEADBOARDS & RINGS

- Made from aluminium, stainless steel, titanium or composite materials
- Dumps and fastenings supplied to suit specs
- Application specific for head or clew
- Customised as required using KZ design engineers



### TACK PLATES

- Specifically designed for use with **KZ RACEFURLERS**
- Webbing slot layout developed in conjunction with Volvo Ocean Race and America's Cup teams
- Cable lashing slot allows sufficient lashing to match cable size
- Cable lashing slot alignment maintains correct tack plate orientation under load
- Hard anodized for corrosion resistance
- Two designs to allow sailmaker to match varying tack angles



### COMPOSITE HANKS

- Initially developed by KZ for the Volvo Ocean Race
- Fibre Glass reinforced plastic construction
- No corrosion, no rust stains
- Unique self-locking design under load to prevent halyard/sheet snags
- Low profile, lightweight smooth design
- Perfect for composite headstays
- Available in a range of sizes to suit boats 30ft - 100ft



### CONNECTORS

- Available in two sizes: 400kg SWL and 1T SWL
- Perfect for drop line systems or hoisting guides for staysails
- 1T connector features titanium construction
- Large size can be used as a quick inner forestay connector
- Available in sets or individual ends



### FERRULES

- Available in anodized alloy, stainless steel or titanium
- Lightweight marine hard anodized alloy ferrules in four sizes for rope 2mm - 14mm
- Stainless and titanium ferrules in two sizes for rope 10mm - 14mm with polished surfaces to reduce friction and wear on the rope
- Used in a range of applications from vang and runner cascades to tramp-platform fastening on the AC72s



### JIB SHEETING RINGS

- High strength stainless steel or titanium construction
- Polished surface to minimise friction and rope wear
- 35mm and 45mm internal diameter
- Exaggerated fore/aft radius to minimise friction and point loading of jib sheet





*Photo by Meike Brunssen / Knierim Yachtbau*

**FOR ULTIMATE RELIABILITY UNDER THE TOUGHEST CONDITIONS CHOOSE KZ RACEFURLERS**

---

KZ MARINE GROUP: 39 Vestey Drive, Mt Wellington, Auckland 1060, New Zealand • Tel +64 9 573 1939 • e-mail [info@kzracefurlers.com](mailto:info@kzracefurlers.com)  
[www.kzracefurlers.com](http://www.kzracefurlers.com)