UD-5SC/TC RT-170



power supply	hydraulic
attachment of the sail	without profile
stroke stay adjuster	200 mm
mwl stay	39 t
mwl tack ring	12 t
mwl tack ring HL (opt.)	33 t
pulling force RT-adjuster	33 t @ 245 bar
max. oil flow motor	60 l/min
max. pressure motor	140 bar
place of installation	in-deck (structural)
weight	179,90 kg
B	310 mm
H	641 mm
L	331 mm
O	420 mm
T	40 mm

Hydraulic below-deck furling system for *torsional cable* headstay furler (full in/full out)

Installation: in deck (structural)
Forestay adjuster: Real-Time adjuster

The Reckmann **UD-SC/TC** is a deck-integrated hydraulic furling system designed for torsional cable forestays and torsion-resistant composite stays. While the drive unit, gearing and mechanics are located completely below deck, the system does not use a chainplate connection. Instead, the furling unit is integrated into a reinforced deck structure and transfers all forestay and tack loads directly into it.

The UD-SC/TC system is available in different variants and offers the following key features:

- compact system size
- integrated ram to tension the stay (RT)
- suitable for torsion-resistant composite forestays (TC)
- developed in close cooperation with leading manufacturers of torsional cable systems
- special spherical bearing mechanism (SC) to compensate for angle changes caused by forestay sag
- excellent performance-to-weight ratio
- forestay connection above deck level
- compatible with a wide range of sail concepts
- reliable backup system, easy and safe to operate from deck level

The **UD-SC/TC** is Reckmann's **latest development** in deck-integrated hydraulic furling systems for modern torsional cable applications. Reckmann works in close cooperation with leading manufacturers of composite forestays to ensure optimal compatibility, efficient torque transmission and predictable furling behaviour.

In demanding situations, the hydraulic drive allows the sail to be furled quickly and safely. Compared to furling systems with profiles, our torsional cable systems feature **higher furling speeds**, providing a clear safety advantage and rapid sail handling for performance-oriented yachts.

The **UD-SC/TC RT** is equipped with a **Real-Time Adjuster (RT)** that allows the forestay tension to be actively changed *while* sailing. The system features an **integrated hydraulic adjustment ram** that takes the full forestay load and enables precise control of rig tension under changing conditions. A PO check valve isolates the hydraulic adjuster from the supply lines when not operated. This ensures a stiff load path and consistent rig behaviour.

An **ultrasonic sensor** can be integrated to provide real-time information about the position of the adjuster piston. This allows the crew to monitor the current adjustment state of the forestay precisely and reproducibly.

The **UD-SC/TC** combines a clean, deck-integrated installation with fully under-deck mechanics and advanced torsional furling capability – a high-performance solution for yachts requiring fast, reliable furling and active control of stay tension, without reefing functionality.

Features



Top Swivel TTS

In keeping with our staysail furling systems, we offer a range of swivels. In addition to offering various materials (titanium and aluminium) we also provide various connection options.

Find out more about the Reckmann swivel TTS.

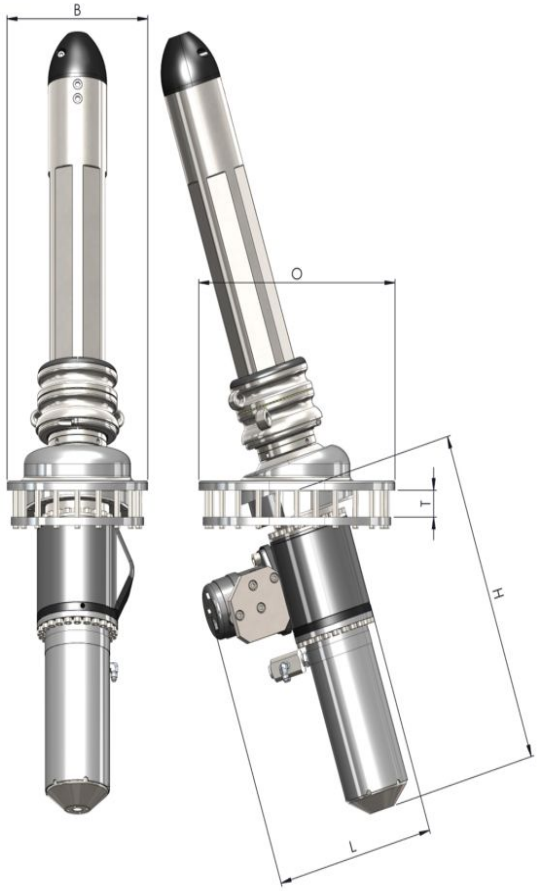


Tack Slider

The tack slider or floating tack swivel allows the sail luff to be tensioned independently of the stay. This is a necessary addition, specifically with sails that have a halyard lock.



UD-SC/TC RT – Hydraulic furling system with RT-adjuster for torsional stays



Dimensions UD-SC/TC RT – see table for more information