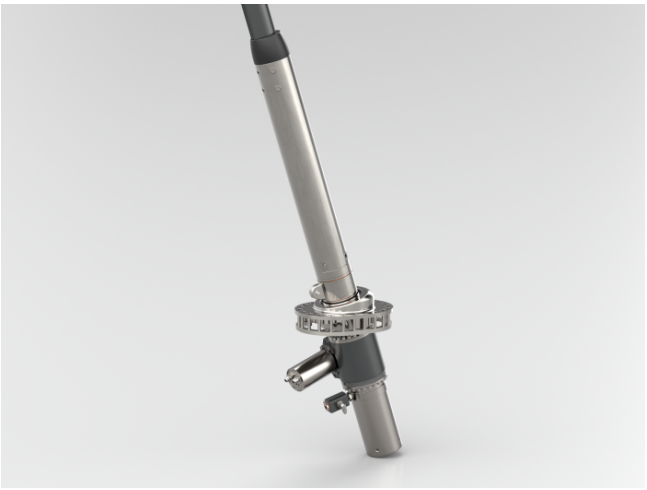
UD-4SCRT



power supply	hydraulic
attachment of the sail	with profile
max. headstay length	42 m
forestay (rod size)	-91
ø forestay (wire)	22 mm
aluminium profiles	R5, R6
carbon profiles	S5, S5.5
stroke stay adjuster	150 mm
mwl stay	21 t
mwl tack ring	3 t
mwl tack ring HL (opt.)	18 t
pulling force RT-adjuster	18 t @ 275 bar
max. oil flow motor	35 l/min
max. pressure motor	140 bar
place of installation	in-deck (structural)
weight	60,80 kg
B	244 mm
H	471 mm
L	278 mm
O	340 mm
T	40 mm

Hydraulic below-deck furling system

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

The Reckmann **UD-SC** is a deck-integrated hydraulic furling system. 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** system is available in different variants and offers the following key features:

- compact system size
- integrated ram to tension the stay relative to the foils (RT)
- special spherical bearing mechanism (SC) to compensate for angle changes caused by forestay sag

- excellent performance-to-weight ratio
- suitable for all types of headstays
- forestay connection above deck level
- compatible with carbon and aluminium foils
- reliable backup system, easy and safe to operate from deck level

The **UD-SCRT** 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-SCRT combines a clean, deck-integrated installation with fully under-deck mechanics and advanced real-time trimming capability – a high-performance solution for yachts with reinforced deck structures and demanding rig requirements.

Features



Emergency Manual Backup

The unique manual drive ensures the greatest possible level of security. By simply inserting a standard winch handle, the electric drive will disconnect and switch to manual operation. Due to this special gear mechanism that prevents sail forces from transferring to the winch handle, the reefing system can be safely and easily operated, even when in manual mode.



Halyard Swivel FS

The Reckmann high-performance halyard swivels turn with extremely low amounts of friction, thereby guaranteeing a secure operation without twisting the halyard. The compact design and size graduation ensure a low weight aloft.

Find out more about the Reckmann Halyard Swivel FS.



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.

Find out more about the Reckmann Tack Slider TKS.

Features



Carbon Foils

Our carbon profiles offer high resistance and low weight at the same time. A weight reduction of 50-60 % in comparison with conventional aluminium profiles means that there is a significant improvement in performance.

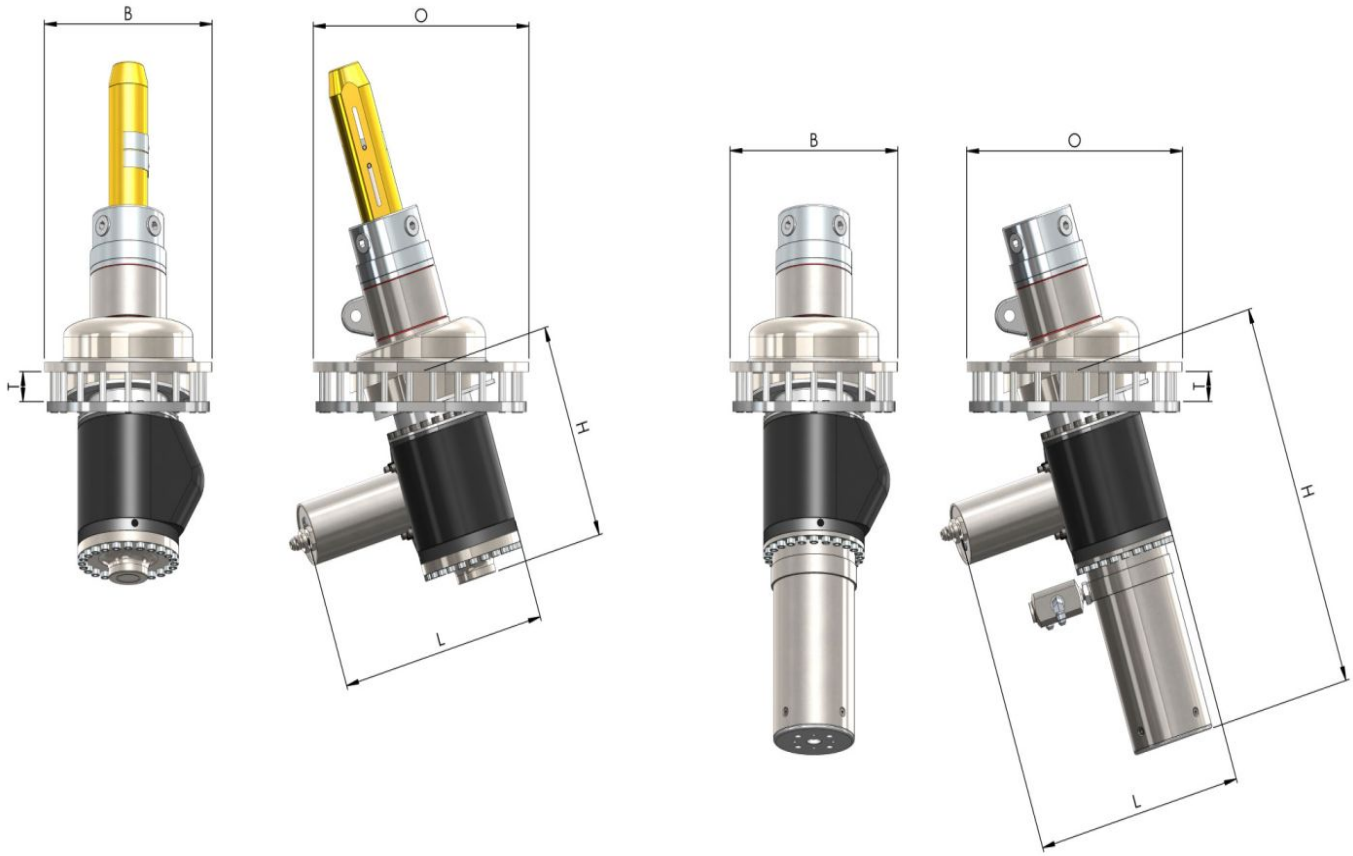
Find out more about the Reckmann carbon profiles.



UD-SC RT – Hydraulic furling system with RT-adjuster for below-deck installation



UD-SC RT with Tack Slider – Hydraulic furling system for below-deck installation



Dimensions UD-SC RT – see table for more information