# BFH-200-HL



| | |
|---|---|
| Furling System | boom drives |
| drive type | hydraulic |
| furling direction | cw, ccw |
| max. E-length (boom length), approx. | 14 m |
| D1 – mandrel inner diameter | 200 mm |
| D2 – □ emergency drive wheel | 500 mm |
| L – total length | 1351 mm |
| d – □ clevis pin | 55 mm |
| W – clevis width | 76 mm |
| G – clevis depth | 45 mm |
| weight of the drive unit | 122 kg |
| holding torque | 20000 Nm |
| drive torque | 1150 Nm |
| max. oil pressure motor, continuous | 100 bar |
| drive torque, intermittently | 1490 Nm |
| max. oil pressure motor, intermittent | 140 bar |
| max. furling speed | 35 rpm |
| oil flow @ max. furling speed | 35 l/min |
| flatten function | Yes |
| pressure to open lock | 100 bar |

## Maximum torque for demanding applications.

***Application***

Reckmann **BFH boom furling drives** are built for yachts where high loads, reliability and precise control are essential. BFH drives are the preferred choice when electric systems reach their limits. BFH drives incorporate a **rigid locking mechanism** capabale of taking sailing loads, eliminating the need for additional clew or tack locking devices. Use cases:

- **large cruising yachts** and **superyachts**
- systems requiring maximum **furling and holding torque**

***Key characteristics***

The BFH is a compact, sealed unit combining drive, gearbox and locking mechanism to be **fully integrated** inside the boom mandrel.
The hydraulic drive delivers powerful, consistent torque and ensures controlled sail handling in all conditions.

***Functionality***

- **Furling:** controlled hydraulic drive with high torque
- **Unfurling:** sail deployment via halyard winch with defined hydraulic resistance
- **Flattening mode:** ratchet function for minor adjustments and trimming
- **Locking:** secure load-holding via integrated dog clutch when sailing reefed

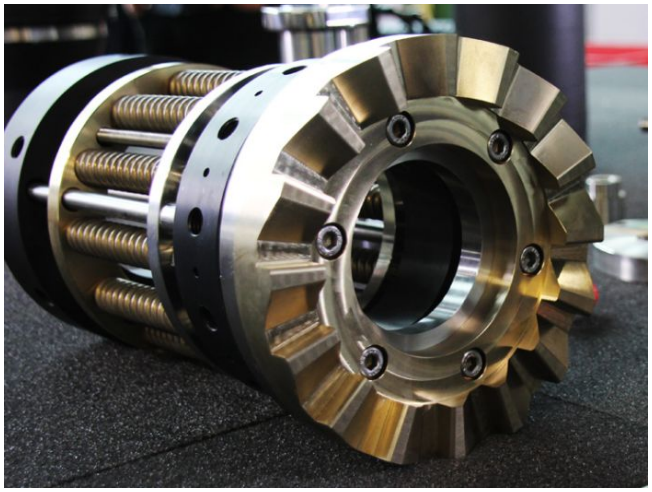
***System and Integration***

- fully enclosed installation inside the boom
- robust **stainless steel construction** (BFH-200-HL onwards)
- **integrated locking mechanism** with controlled free rotation
- emergency operation via **manual drive** wheel

***Stand-Alone Solutions***

Reckmann offers complete hydraulic furling systems including a customized hydraulic power pack, valve blocks and control unit. This allows fully independent, optimized solutions, e.g. for yachts without existing hydraulic infrastructure.

# Features



## Integrated locking mechanism

The system locks and safely holds the load when the sail is reefed. Additionally, the ratchet geometry allows fine adjustment of the luff without unlocking (*flatten* function).



## Compact in-mandrel design

The drive unit is fully **integrated** within the boom mandrel. This saves space, protects the system, and simply looks great.

[Note: Image does not show the emergency drive wheel]



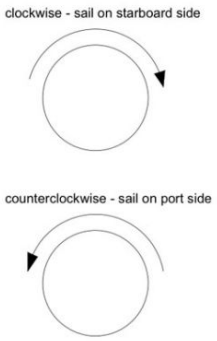
## Emergency drive wheel

The system is equipped with a **drive wheel** mounted at the front, allowing **manual furling** of the sail using a line. The toothed design of the wheel ensures a secure grip, so the mandrel can be rotated reliably even in emergencies.

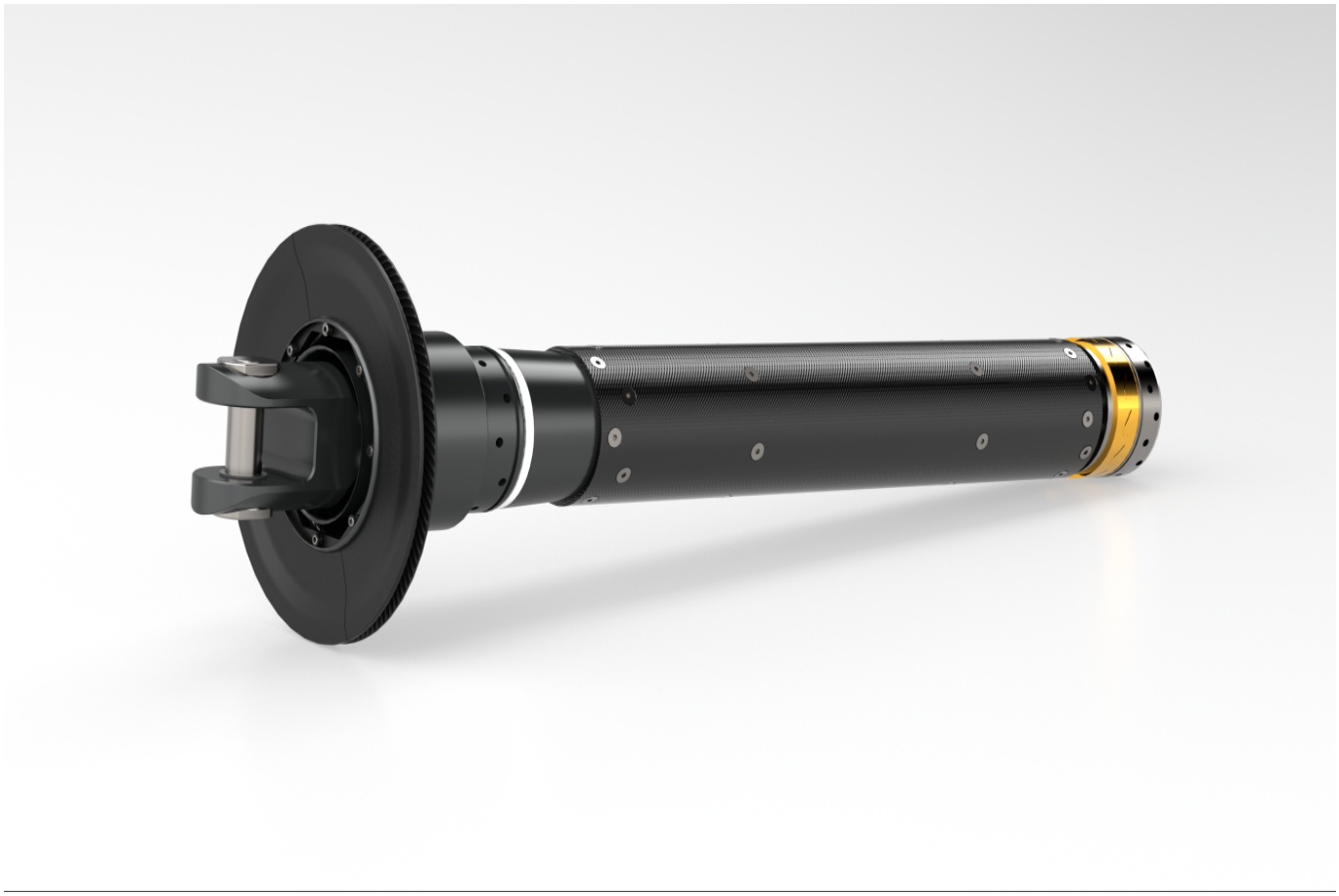
The emergency drive wheel is supplied in a split, **removable design**. It can be fitted when required and removed during normal operation.

# Features

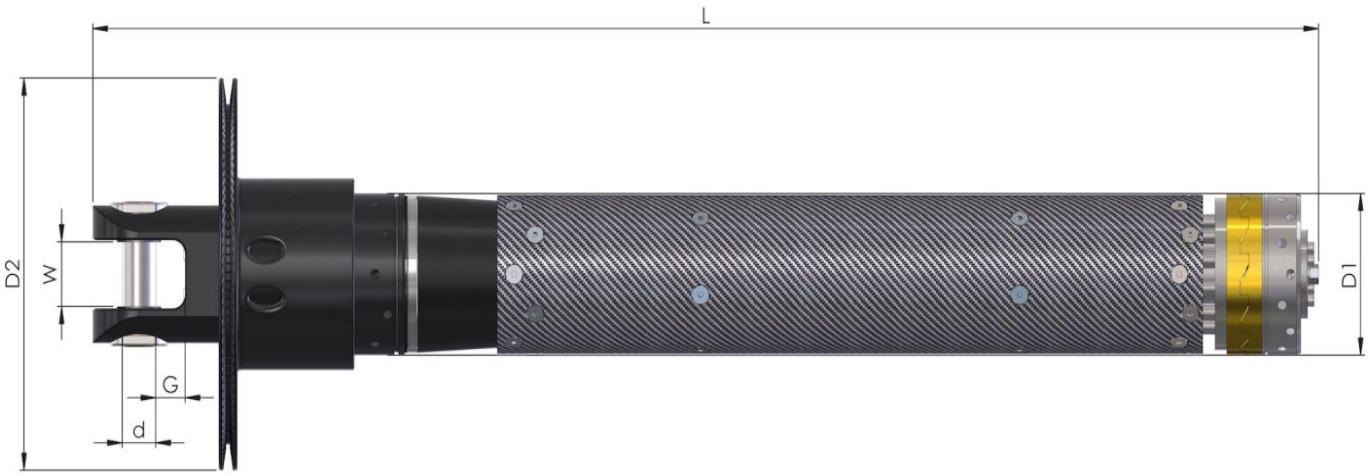
## Furling Direction




The furling direction depends on the geometry of the boom and needs to be mentioned when the drive is ordered.



BFH – Hydraulic drive units



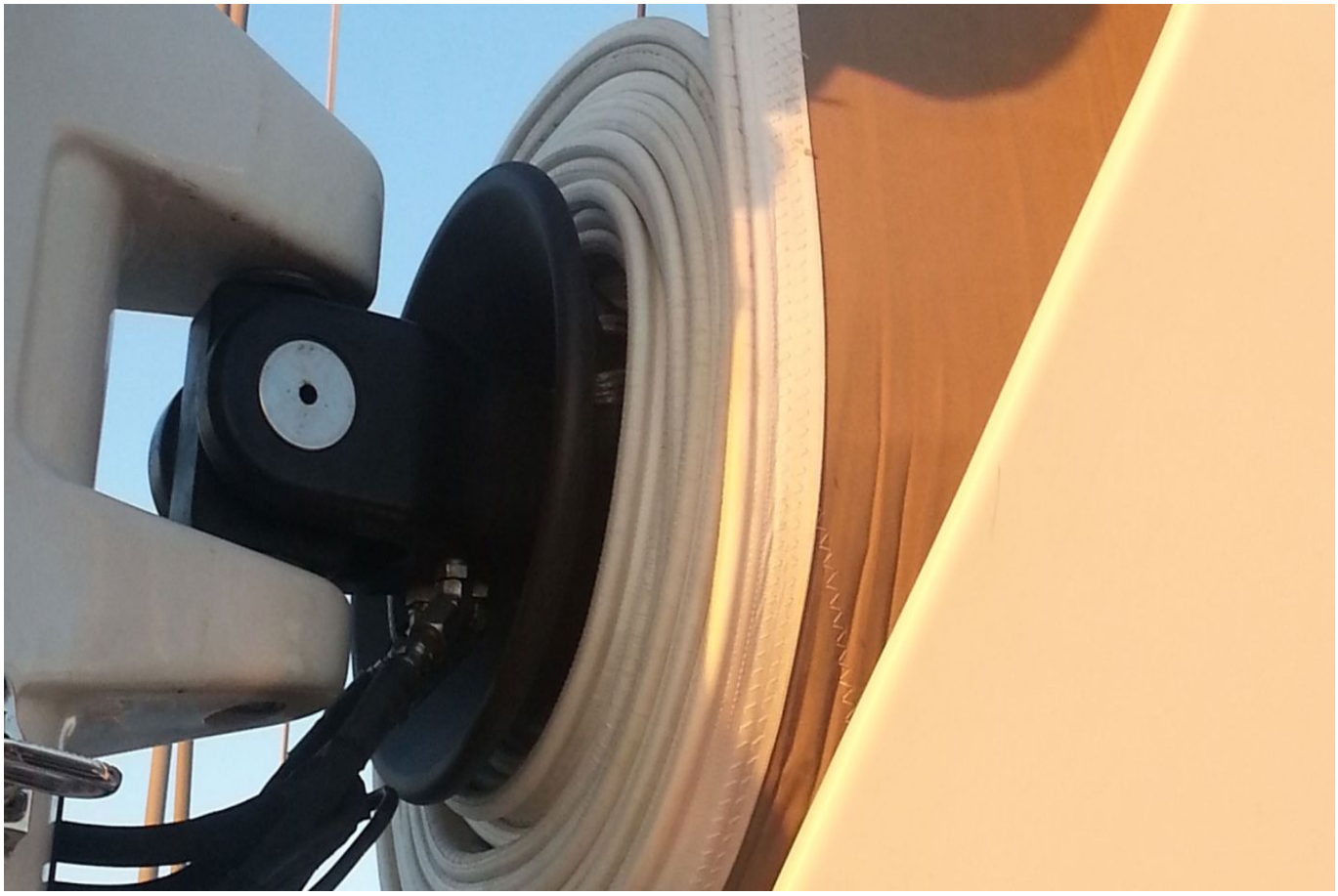

Dimensions BFH – see table for more information




BFH-250 boom furling system



Hydraulic drive unit BFH-250



BFH-250 boom furling system



BFH emergency wheel