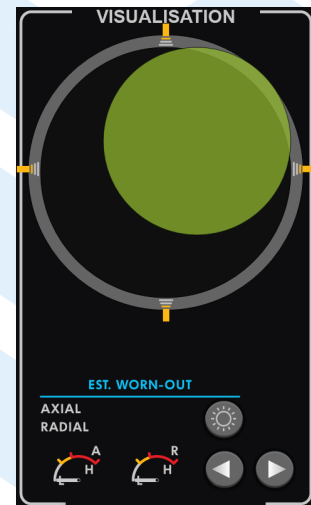
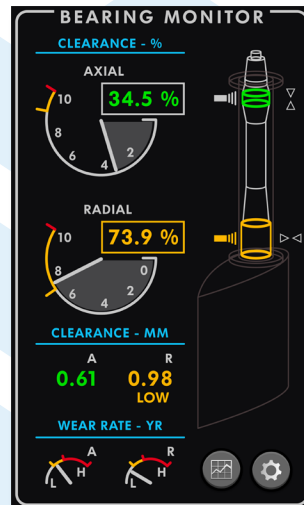




# BOSS™ BCM

GUARANTEES MINIMAL DOWNTIME

# Bearing Clearance Measurement system (BCM)



## BOSS™ BCM is designed to continuously measure the neck and the carrier bearing clearance of a rudder.

It calculates the real-time distance between the rudder trunk and stock with a 90° offset. The electrical wires of the sensors are routed on the side of the rudder trunk and covered with protection pipes. The BCM sensors send a signal to the CPU, which processes the received information and is located in the steering gear room.

The data shown on the BCM display consists of the following:

- Axial clearance of the carrier bearing
- Radial clearance of the neck bearing (initial, maximum and current)
- Lifetime forecast
- Wear-out pattern statistic

### On-board monitoring

The processed information is communicated to one or multiple displays. These displays can be located in e.g. the steering gear room, engine control room or wheelhouse. Access with a smartphone or tablet is possible at every location on board when using the WiFi system of the vessel.

A vessel operator can receive and read the data of the BOSS™ BCM at any time if the on board WiFi is used. The information gives a real-time insight into the condition of the bearings, which shows exactly when/if service is required. This ensures maximum performance and minimal downtime of the system and its components.

### Service monitoring

Damen Marine Components' service engineers can remotely connect to the BOSS™ BCM to perform condition inspections, direct failure analyses and maintenance. The sensors can easily be replaced during drydockings by unscrewing the mounting pin, which serves as a sensor housing.

