



SteerCommand



Steer-by-wire technology has long been used by the aviation industry, and now it's available for your boat! No more messy mechanical and hydraulics links – just fit & fly!



Photo: courtesy of Ferretti Group

The System

The main advantages of SteerCommand are:

- improved control
- better performance
- reduced maintenance
- easy installation
- reduced weight
- minimum space required

Like active steering systems in luxury cars, SteerCommand gives you a similar feeling when driving your boat, thanks to a patented electronic force feedback system specially designed by ZF Marine.

Controlled by ZF SmartCommand electronic control system, SteerCommand includes a Helm Unit which sends via CANbus the wheel position to the SmartCommand processor for further computation and a linear actuator which turns the rudder, according to the signal sent via CAN bus, from the SmartCommand processor.

The whole system is designed for heavy loads and has been proven to work continuously, safely and reliably, guaranteeing maximum performance under the most arduous conditions.

Performance characteristics

When taking the helm you experience unmatched handling and performance, enabling you to cruise and maneuver with maximum safety at any speed.

- faster rudder response
- tighter turning radius
- higher efficiency with continuous micro-processor control
- highest safety in any sea condition
- maximum smooth control, with active feedback to the helm
- automatic back-to-zero position of the steering wheel (optional)



* actual components could differ slightly from those shown on pictures

Technical features

- Standard Linear Actuator, can provide up to 10 KN thrust & 250 mm stroke.
- 24VDC system.
- CAN bus communication.
- Micro-processor control integrated into SmartCommand control unit.
- SmartCommand control system capable of a max of 6 station.
- CE&ABYC approved
- Single or dual control stations (main bridge and flying bridge).
- Additional tiller control connection (optional).
- Optional integration with autopilot.

- Angle of rudders varies as a function of boat speed.
- Independent control of port and stbd rudders (available with the two linear actuator configuration).

Safety

- In case of total power failure, the rudders can be actuated mechanically.
- Full redundancy: the system can function with either the starboard or port processor in operation.

SteerCommand layout

