

KONGSBERG RUDDERS

Rudders for medium and high speed vessels

The rudder has a hydrodynamic profile which is suitable for vessels operating at medium and high speed needing high manoeuvring and low drag. Developed originally in Germany, the rudder has earned itself a strong reputation in various vessel type markets. Easily matched to today's variety of ships, the slim profile will function equally well at most vessel speeds.

1. Rudder trunk

Designed for minimum installation time and cost. The trunk is tailor-made to suit each individual vessel.

2. Rudder stock

Made to suit all steering gears. Hydraulic taper coupling to rudder, tested and approved by class societies.

3. Flap

Connection to rudder by strong hinge system. Welded construction as in the main rudder.

4. Flap mechanism

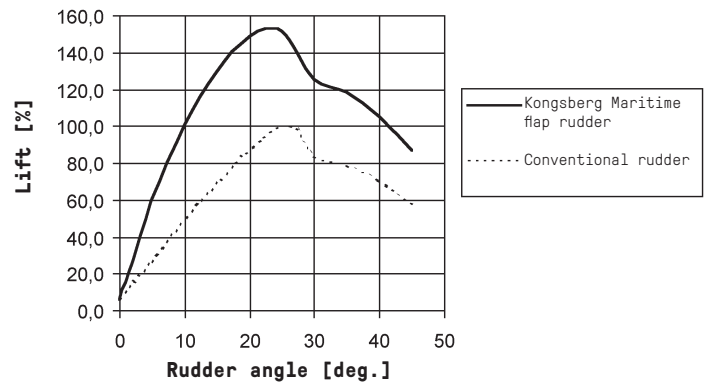
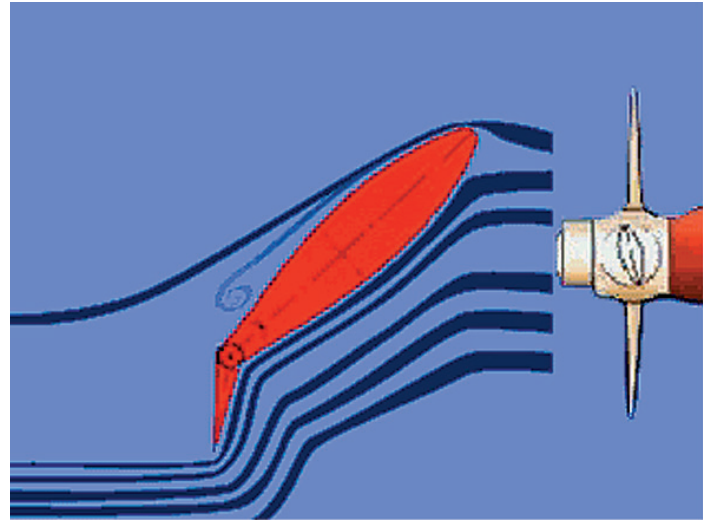
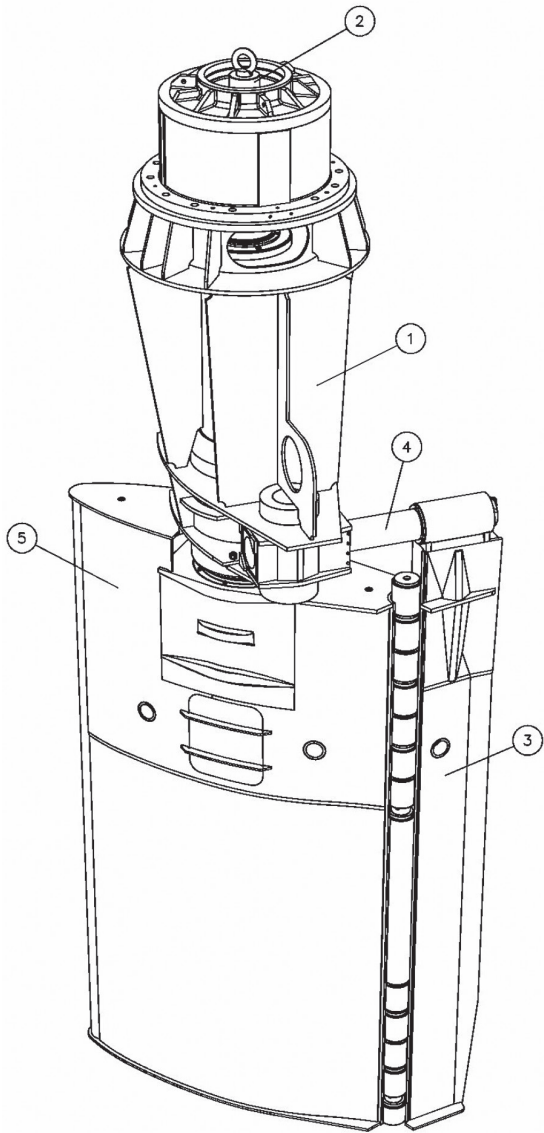
Well proven mechanism also at high ice classes

5. Rudder

Welded construction of certified steel. Drain plugs of stainless steel. Lifting holes arranged.

OPTIONS AVAILABLE

- Trunk with steering gear foundation
- Automatic lubrication system
- Special bearings/liners
- Heel connection module
- Special rudder solutions on request



PRINCIPAL SPECIFICATION

| | |
|----------------------------|-------------------------|
| Rudder angle | $\pm 45^\circ$ |
| Flap angle | $\pm 90^\circ$ |
| Rudder balance | approx. 40-43 % |
| Flap length | approx. 20-25 % |
| Rudder area | up to 35 m ² |
| Suitable for vessel speeds | up to ~ 26 knots |

