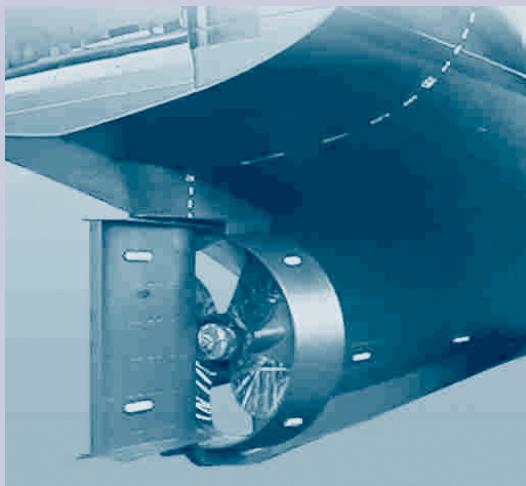


## MASTER Rudder



Characterised by its fishtail shaped trailing edge, the Van der Velden® MASTER rudder offers very good manoeuvring performance, a long life-span and low maintenance.

With no moving parts, this smart concept means maintenance costs are kept to a minimum. The profile design with fishtail and upper and lower endplates and a maximum rudder angle of up to  $2 \times 65^\circ$  allow for a high lift. This results in good propeller coverage and facilitates the fishtail rudder's manoeuvring performance.

The profile design and dimensions of the rudder can be adapted to suit specific vessel requirements.

### BENEFITS ►

- Optimal price/manoeuvrability ratio
- No moving parts
- Low maintenance costs
- Good propeller coverage
- High lift

### APPLICATIONS ►

Especially suitable for offshore supply, inland, smaller dredgers and commercial vessels up to a maximum speed of about 14 knots.

### CHOOSE TO INTEGRATE

Van der Velden® Marine Systems is a single source supplier and can deliver complete manoeuvring packages, including rudders, rudder trunks, streamline bodies, steering gear and steering gear foundations.

Customers and yards alike benefit from an easy to install and integrated solution, a unified overall design and one project coordinator for the manoeuvring system.

# SMART MARITIME SOLUTIONS



**VAN DER VELDEN® MARINE SYSTEMS**  
[www.vandervelden-marinesystems.com](http://www.vandervelden-marinesystems.com)

#### Oceangoing vessels

Van der Velden Barkemeyer GmbH • Wilhelm-Bergner-Straße 15 • D-21509 Glinde (nearby Hamburg) • Germany  
T +49 (0)40 711 80 20 • F +49 (0)40 711 00 86 • [oceangoing@vdvelden.com](mailto:oceangoing@vdvelden.com) • [www.vdvelden.com](http://www.vdvelden.com)

#### Inland Shipping

A. van der Velden B.V. • Dorpsstraat 67a • P.O. Box 2061 • 2930 AB Krimpen aan de Lek • The Netherlands  
T +31 (0)180 51 15 77 • F +31 (0)180 51 15 78 • [inlandshipping@vdvelden.nl](mailto:inlandshipping@vdvelden.nl) • [www.vdvelden.nl](http://www.vdvelden.nl)

#### Yachting

Van der Velden Systeemtechniek B.V. • De Gaffel 14 • P.O. Box 513 • 9200 AM Drachten • The Netherlands  
T +31 (0)512 58 20 20 • F +31 (0)512 54 46 03 • [yachting@vdvelden.nl](mailto:yachting@vdvelden.nl) • [www.vdvyachting.nl](http://www.vdvyachting.nl)