

# kalkman

## BOW AND STERN THRUSTERS

### Type Delta

driven electrically, hydraulically or by a diesel motor

- The new generation of tunnel system bowthrusters.
- Type Delta with horizontal thruster and 2-3 or 4 tunnels.
- 15 to 20% more thrust power with the 3 and 4 Tube version than other manufacturers.
- Patented thrust drum.
- Small overall height.
- Change propellers without putting into dry dock.
- Bio-grease lubrication.
- Suitable for continuous use.
- Inspection cover for access to thruster and thrust drum.
- Modern operation, foil panel, two-wire system.
- Capacities up to 1000 HP



**kalkman**  
**SCHEEPSTECHNIEK B.V.**

Ballast jets  
Bow and stern steering  
Diesel motors  
Auxiliary machines

Po box: Postbus 23  
2920 AA Krimpen a/d IJssel  
The Netherlands  
Telephone +31180-514644  
Telefax +31180-518450

[www.kalkmanbowthrusters.com](http://www.kalkmanbowthrusters.com)  
E-mail [boegschroeven@kalkman.nl](mailto:boegschroeven@kalkman.nl)

