

# Propeller calculation questionnaire



amartech  
Propulsion and Rudder Systems



☐ INQUIRY

☐ PURCHASE ORDER

☐ INFORMATION

## A Client data:

1. Company name : .....
2. Contact Mr./Mrs. : .....
3. Address : .....
4. Postal Code + City : .....
5. Country : .....
6. Telephone : .....
7. e-mail : .....

## B Vessel data:

1. Vessel type: :  
☐ displacement ☐ semi-planing ☐ planing  
☐ single propeller ☐ twin propellers ☐ nozzle
2. hull material: ☐ steel ☐ aluminium ☐ wood  
☐ non metallic
3. Length:  
- over all (L.o.a.) : .....m - on the waterline (L.w.l): .....m
4. Loaded displacement : .....kg / ton

## C Engine data

1. Make: ..... Type:
2. Engine power according to specs.: .....kW .....hp @ .....rpm
3. Gearbox make and type: .....
4. Gear ratio: .....: 1 (ahead position)

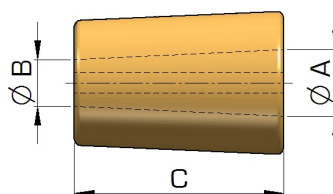
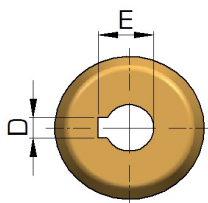
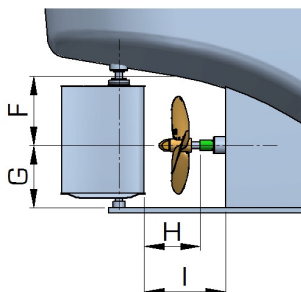
## D Maximum speed:

1. Expected max. vessel speed? .....knots .....km/h

## E Propeller data new propeller:

- Max. propeller diameter : .....mm (min. clearance to hull 15-20% of diameter)
- Number of blades: ..... Blade area:.....
- Rotation direction: ☐ clock wise ☐ counter clock wise
- Material: ☐ Mn-bronze ☐ Stainless steel  
☐ NiAl-bronze

Please submit taperbore- and keyway dimensions (refer to drawing below):



A = Ø..... mm  
B = Ø..... mm  
C = ..... mm  
D = ..... mm  
E = ..... mm  
F = ..... mm  
G = ..... mm  
H = ..... mm  
I = ..... mm

! Please include a structural drawing of the vessel, if available !

Remark / question:.....

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