



QUESTIONNAIRE FOR PROPELLER CALCULATION

Please fill out all known data ! We design and supply propellers from a diameter of 500 mm onwards !

If you need controllable pitch propellers, shafts or propellernozzles please ask for special questionnaires.

Company:	_____	Name of ship :	_____
Name:	_____	Kind of ship:	_____
Tel.-direct-line:	_____	Shipyard:	_____
Fax:	_____	Newbuilding- No.:	_____
Address:	_____		
	(Street)	(Postal code)	(Street) (Country)

Ship Dimensions	Engine data	Gearbox Data
Length over all: _____ [m]	Manufacturer: _____	Do you wish an offer from Piening about ZF gearboxes: Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Length of waterline: _____ [m]	Type: _____	Manufact./Type (given): _____
Beam on waterline: _____ [m]	No. of cylinders: _____	Gear ratio: _____
Draft FP: _____ [m]	Working stroke: _____	Gearbox reversible: Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Draft AP: _____ [m]	Enigne power: _____ [kw]	Coaxial (in line): Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Displacement: _____ [m ³ /t]	Engine speed: _____ [rpm]	Clutchable PTO: Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Type of ship: <input type="checkbox"/> Planing <input type="checkbox"/> Semi-Displ. <input type="checkbox"/> Diplacement		Power PTO: _____ [kw]
Contruction of ship: <input type="checkbox"/> Steel <input type="checkbox"/> Aluminium <input type="checkbox"/> Wood <input type="checkbox"/> GFK		Revolutions PTO: _____ [rpm]
Kind of waterways: <input type="checkbox"/> Ocean <input type="checkbox"/> Seacoast <input type="checkbox"/> River <input type="checkbox"/> Channel		
Construction of stern: <input type="checkbox"/> U-frame <input type="checkbox"/> V-frame <input type="checkbox"/> raised stern <input type="checkbox"/> tunnel		

Which speed is expected upon model tests, calculations or experiences: _____

Propeller data					
(If given: Please send us the general plan, form plan and resistance (tank) tests)					
Type of propeller:	No. of prop./Ship:	No. of blades:	Silence is:	Designed for:	Material:
<input type="checkbox"/> Normal	<input type="checkbox"/> 1	<input type="checkbox"/> 3	<input type="checkbox"/> Not important	<input type="checkbox"/> Speed	<input type="checkbox"/> G-CuZn35Al1+5%Ni
<input type="checkbox"/> Pull	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> Important	<input type="checkbox"/> Pulling	<input type="checkbox"/> G-CuAl10Ni
<input type="checkbox"/> Special	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> Very important	<input type="checkbox"/> Bollard pull	<input type="checkbox"/> _____
<input type="checkbox"/> Bowthruster	<input type="checkbox"/> 4	<input type="checkbox"/> 6		<input type="checkbox"/> Middle between speed and pull	_____
<input type="checkbox"/> Fixed nozzle		<input type="checkbox"/> 7			_____
<input type="checkbox"/> Steering nozzle - Prop.					_____

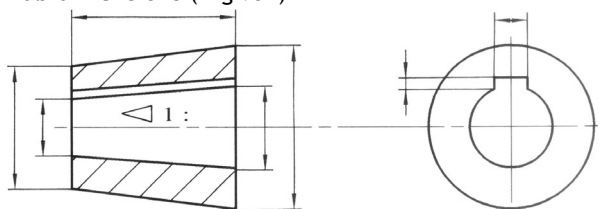
Direction of rotation, seen from aft in forward driving motion: Clock Anticlockwise In Out-wards

Permissible maximum diameter of propeller: _____ [mm] Blade area ratio: _____

Distance from center propeller to waterline: _____ [mm] Classification society: _____

Mean pitch: _____ [mm] Ice class: _____

Hub dimensions (if given)



Type of fitting:

Hydraulic

By keyway