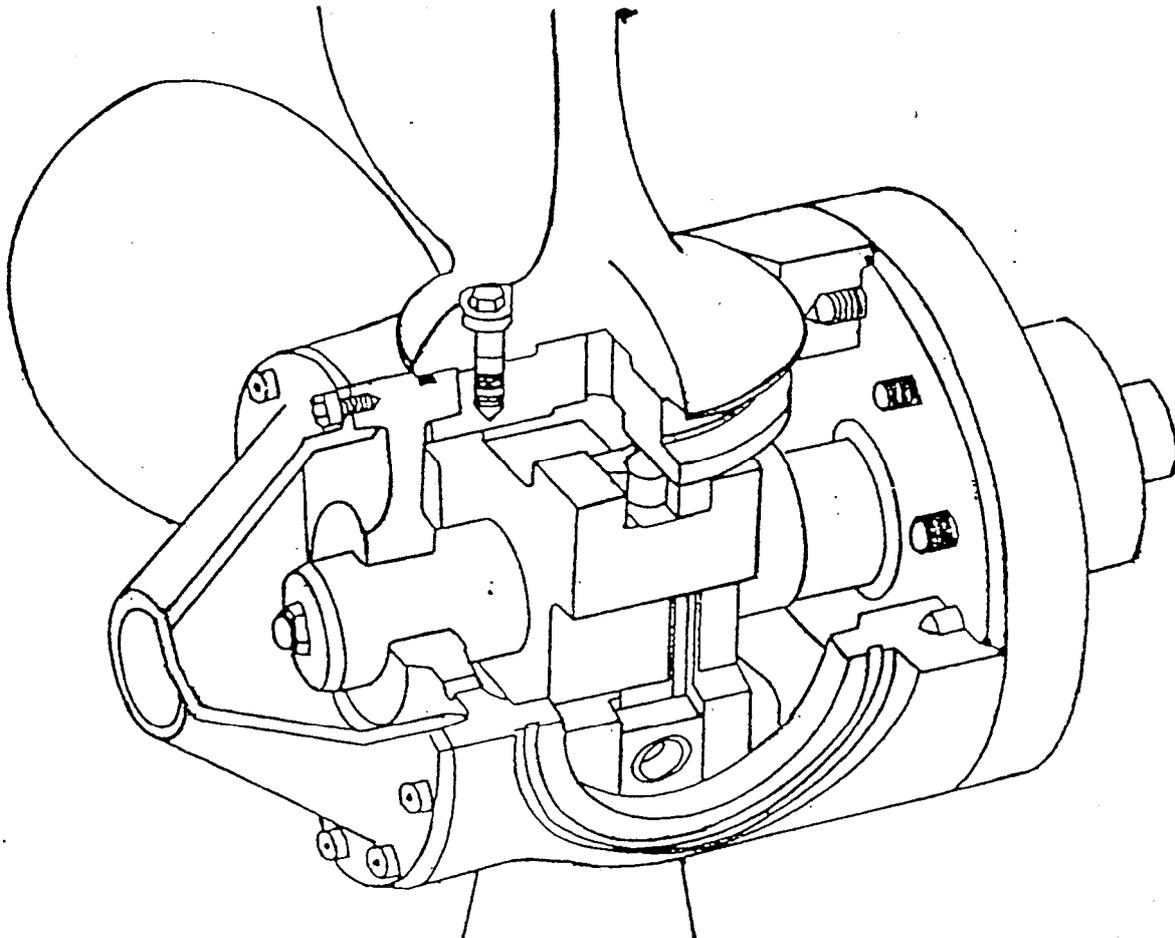


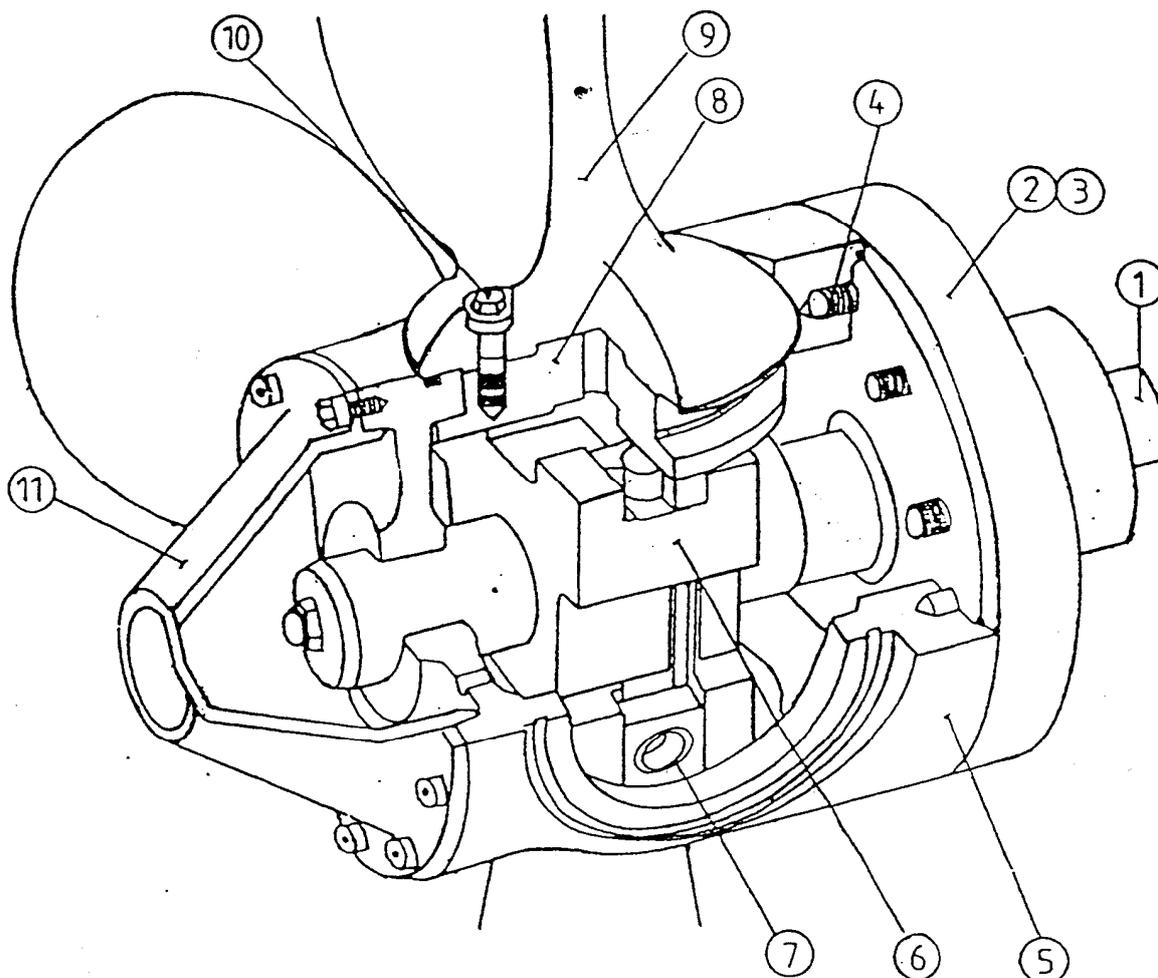
PROPELLER HUB TYPE KS



The KS propeller has propeller blades bolted to the hub and internal parts protected and lubricated by means of the sterntube gravity oil via a hole in the shaft flange.

PROPELLER HUB TYPE KS WITH PROPELLER BLADES

Bolted to hub, flange mounted to shaft and internal parts protected and lubricated by means of gravity oil.



1. Push-pull rod
2. Shaft flange
3. Shaft flange cover
4. Shaft flange bolts
5. Hub body
6. Cross head
7. Sliding shoe
8. Crank pin ring
9. Propeller blade
10. Blade bolts
11. Hub cover

PROPELLER HUB LISTED DETAILS

Item N°	Description
1.	Blade screw
2.	O-ring
3.	Propeller blade
4.	Locking washer
5.	Screw
6.	Hub cover
7.	O-ring
8.	O-ring
9.	O-ring
10.	Pin
11.	Guide pin
12.	Shaft flange screw
14.	Guide pin
15.	Crank pin ring
16.	Screw
17.	Hub body
18.	Plug
19.	Sliding bar
20.	Screw
21.	O-ring
23.	Piston rod nut
24.	Piston rod screw
25.	Piston rod
26.	Sliding shoe
27.	Bushing
28.	Pin
29.	Screw

KAMEWA CONTROLLABLE PITCH PROPELLER SYSTEM

HUB BODY

As mentioned above there is a bearing for each propeller blade and crank pin ring in the hub body. The bearing absorbs the forces from the blade and the moment produced by thrust and engine torque.

All movable parts in the hub work in oil.

BLADE SEALING RING

A blade sealing ring is attached to the bearing and situated in a groove in it. The blade sealing ring prevents water entering the hub and oil leaking out of the hub.

The blade sealing ring consists of an O-ring, which seals against the underside of the propeller blade and against the hub body.

Dimension of the O-ring see "Technical data"

JOINTS

The propeller blade is attached to the crank pin ring and the hub to the propeller shaft by bolts. The bolts have heads for a hexagonal spanner and underneath the heads are O-rings for sealing. The bolts must be tightened with a dynamometric wrench. For the tightening torque, see "Technical data".

The bolts are locked with plates, which are tack welded into the flanges. To absorb the torque there are dowels between the propeller shaft and the hub as well as between the crank pin ring and the blade.

