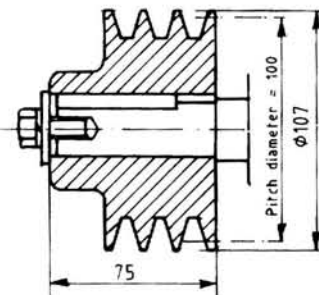
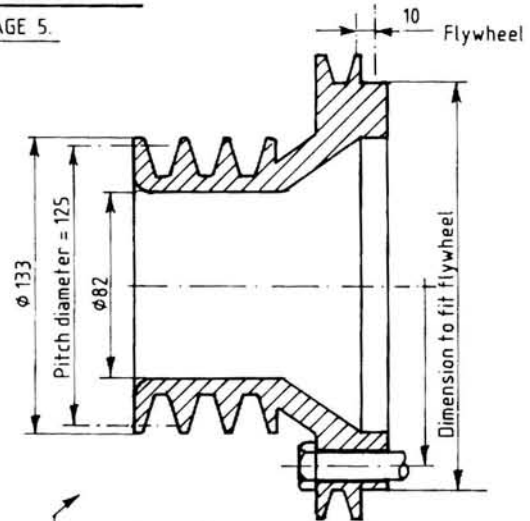
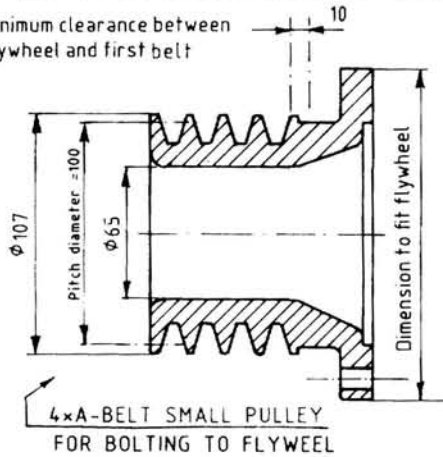
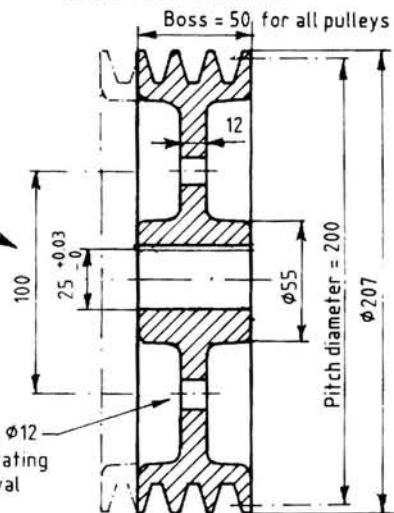


FOR SELECTION OF BELT TYPE AND PULLEYS-SEE PAGE 5.

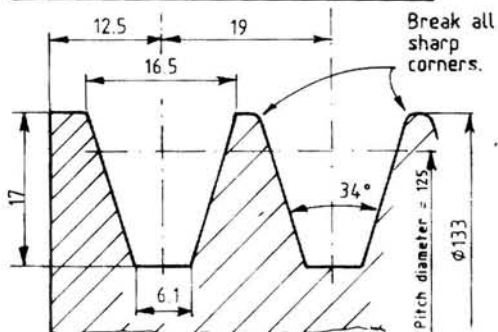
Minimum clearance between flywheel and first belt



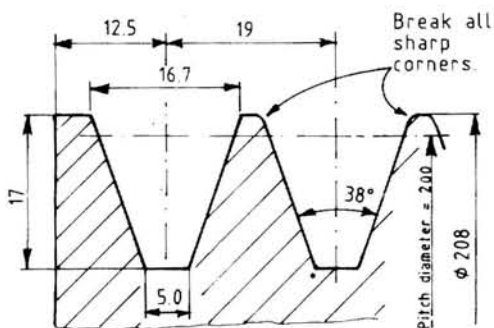
3x A BELT
LARGE PULLEY
FOR MOUNTING ON
PROPELLER SHAFT



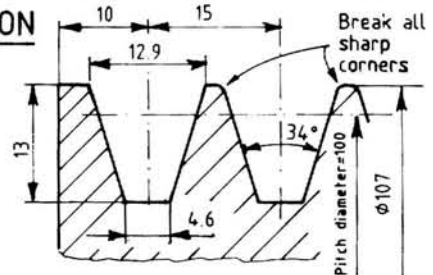
B-SECTION, SMALL PULLEY



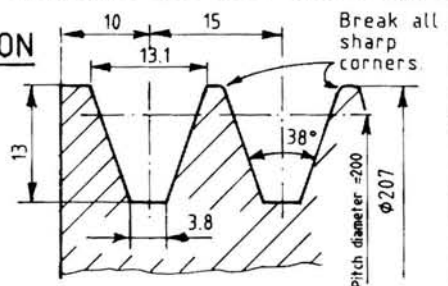
B-SECTION, LARGE PULLEY



A-SECTION SMALL PULLEY



A-SECTION LARGE PULLEY



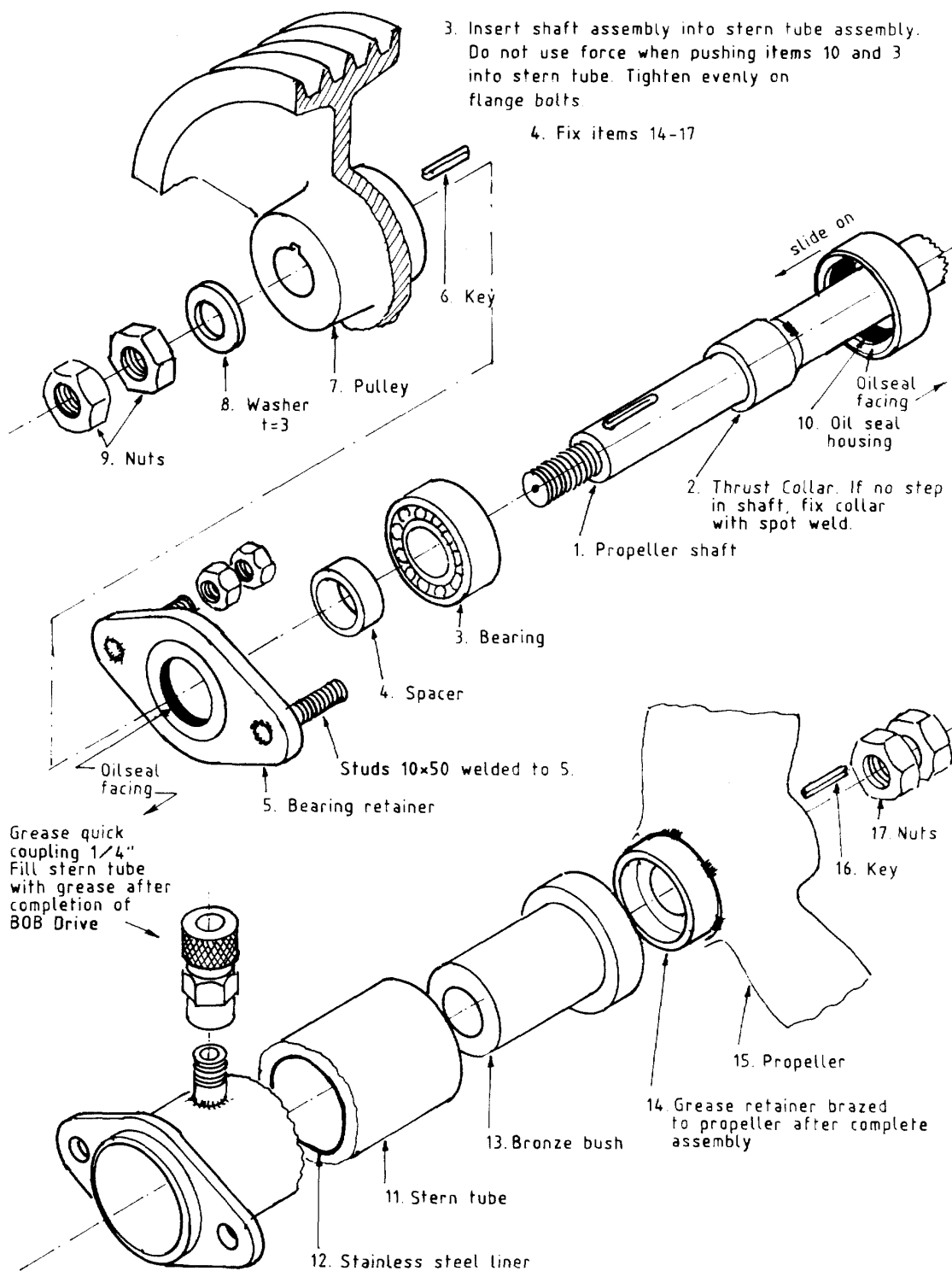
STERN GEAR ASSEMBLY

12

1. Shaft assembly - Items 1-10.
Apply a lot of grease to the bearing
2. Stern tube assembly - Items 11-13

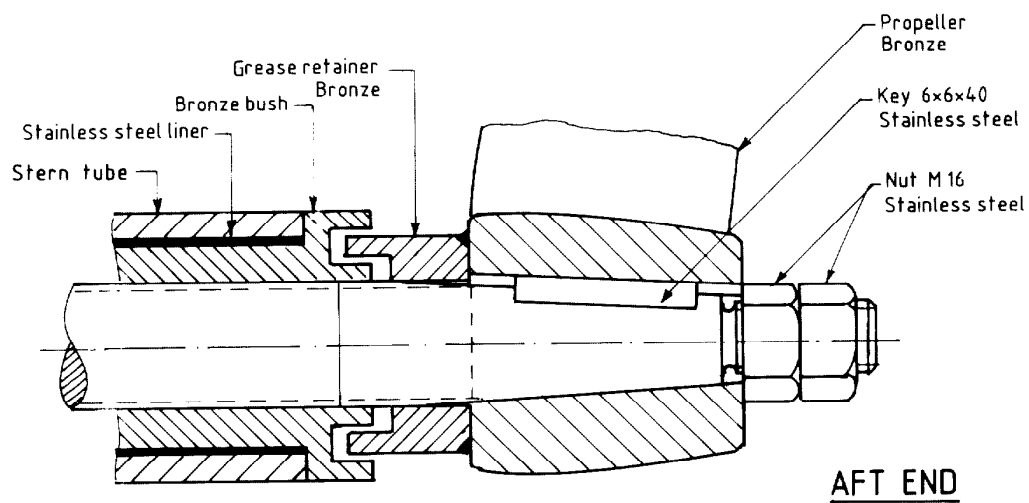
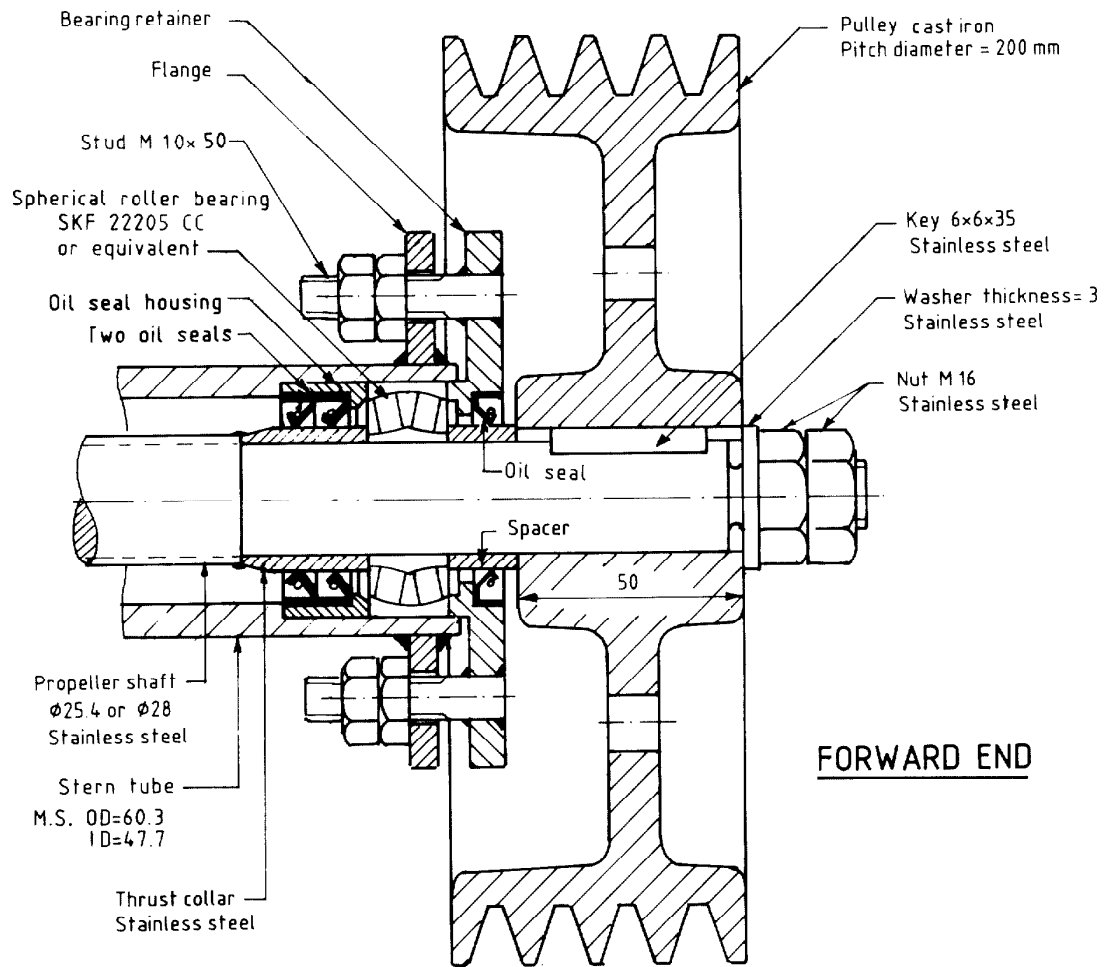
3. Insert shaft assembly into stern tube assembly.
Do not use force when pushing items 10 and 3 into stern tube. Tighten evenly on flange bolts

4. Fix items 14-17



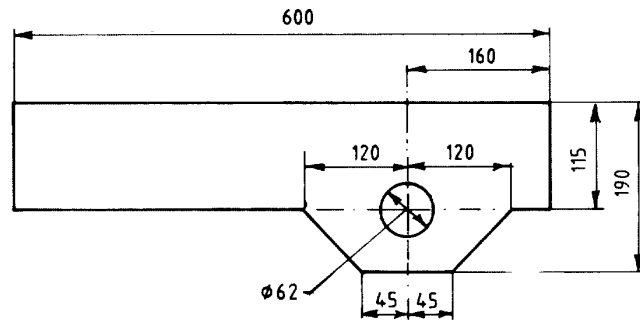
STERN GEAR SECTION

13



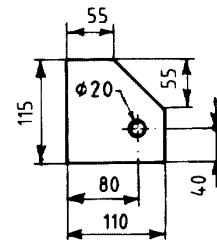
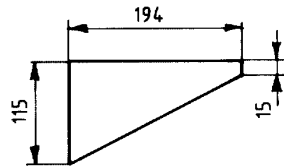
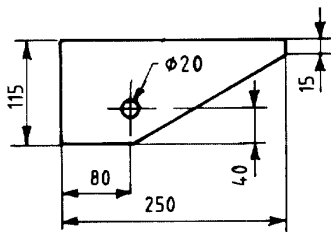
CHASSIS – SIDE MOUNTED ENGINE

14

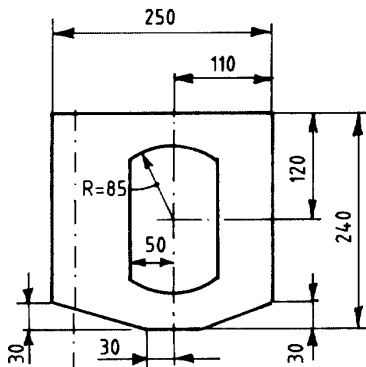


Steel plate 6 mm

FRONT PLATE

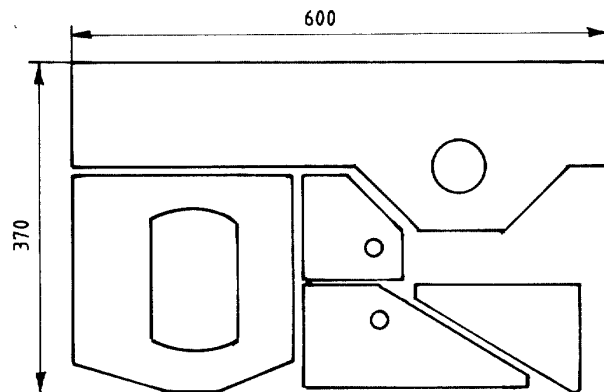


BRACKETS



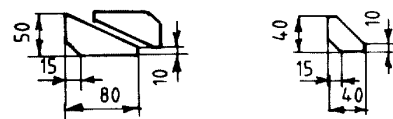
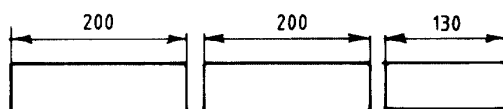
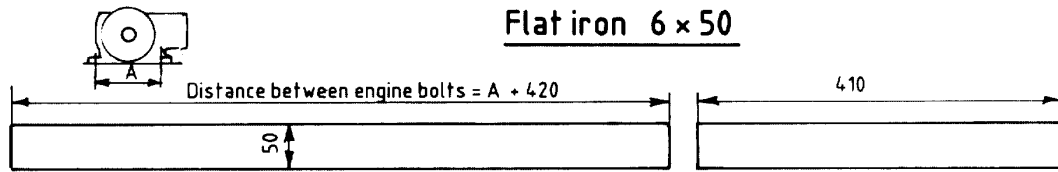
Without keel cooling coil in the tunnel,
the bellows plate can be 220 wide.

BELLOWS PLATE



MAKE PATTERNS FOR ALL PARTS
FOR BETTER STEEL UTILIZATION

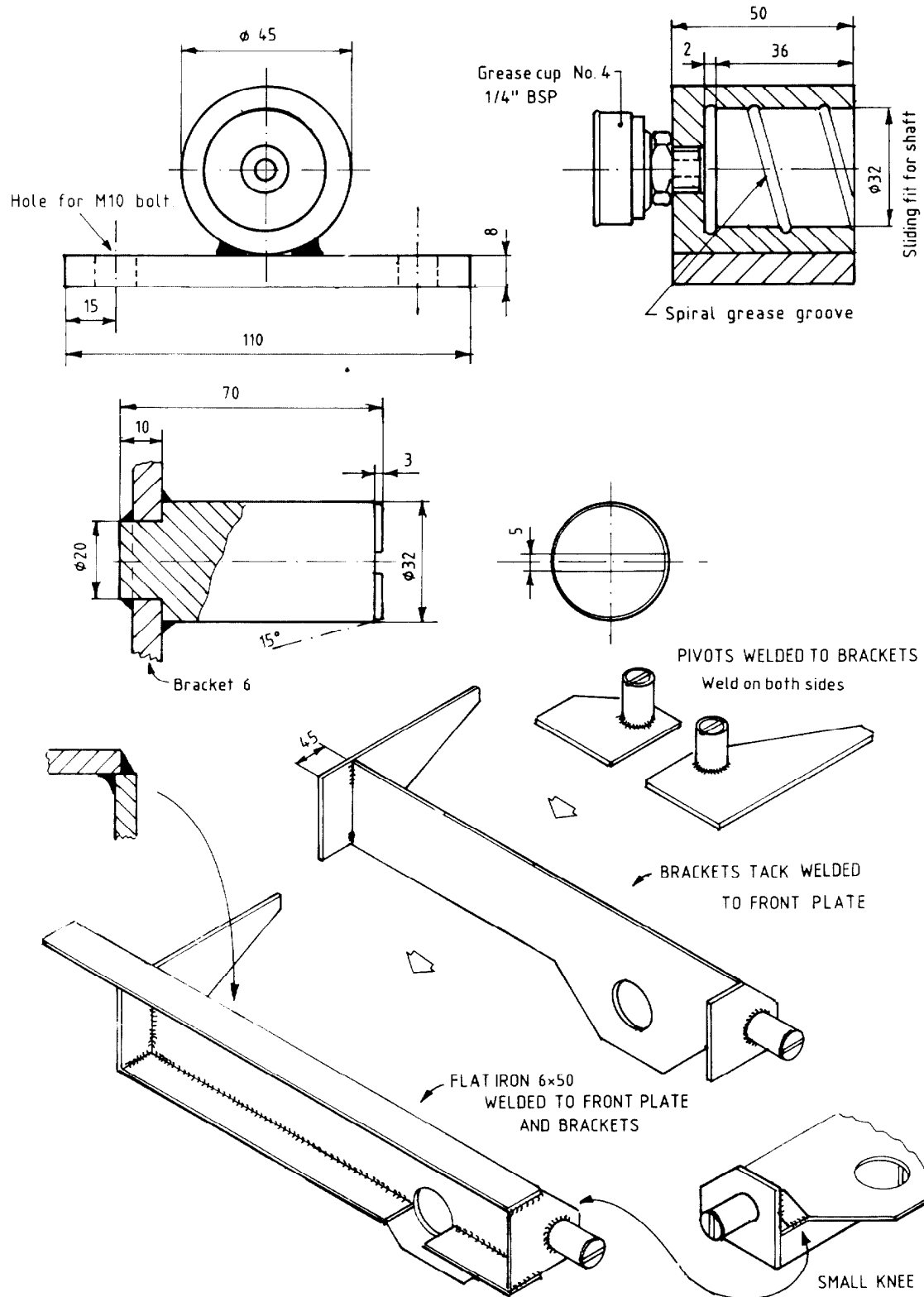
Flat iron 6 x 50



KNEE PLATES

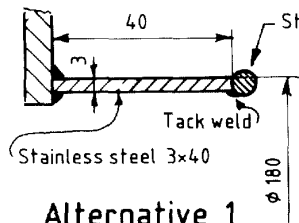
PIVOTS

15

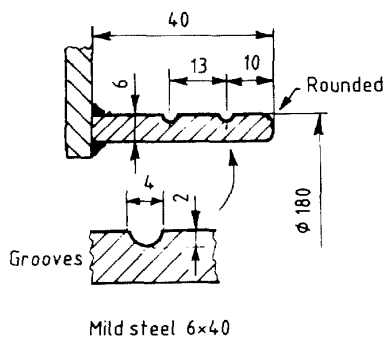
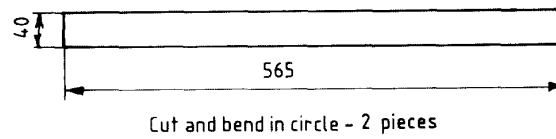


BELLOWS FLANGES

16

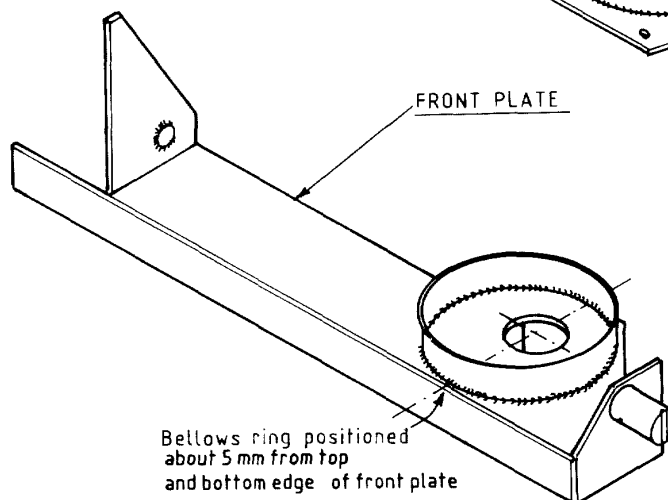
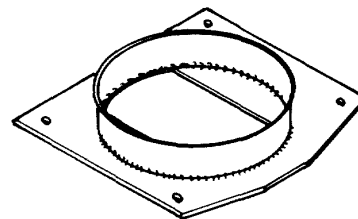
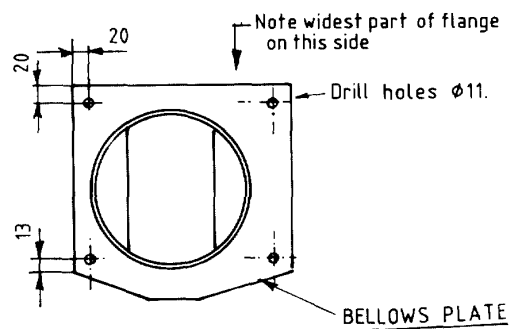
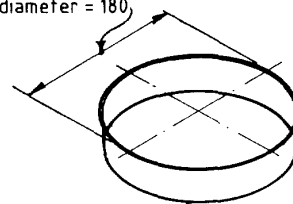


Alternative 1



Alternative 2

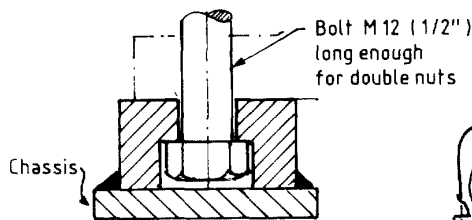
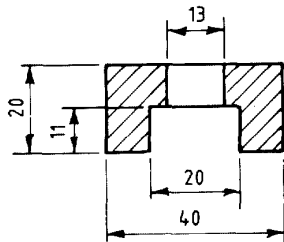
Outside diameter = 180



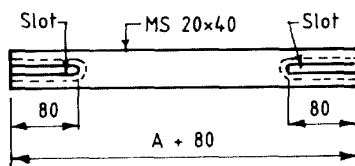
ENGINE MOUNTS

17

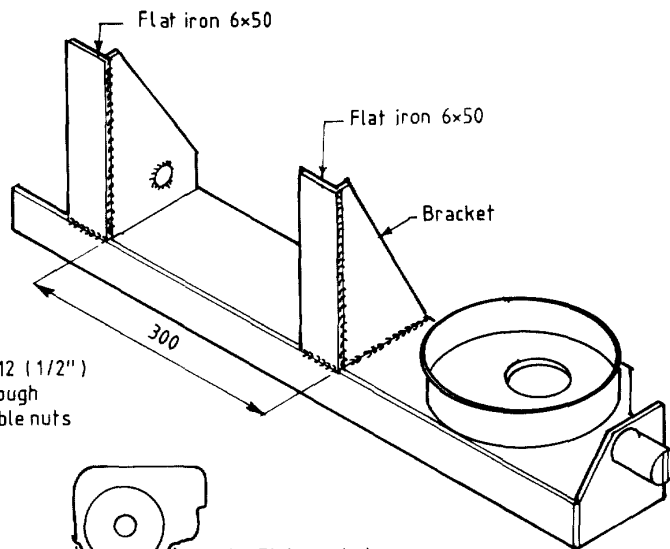
MILLED SLOT IN MOUNTS



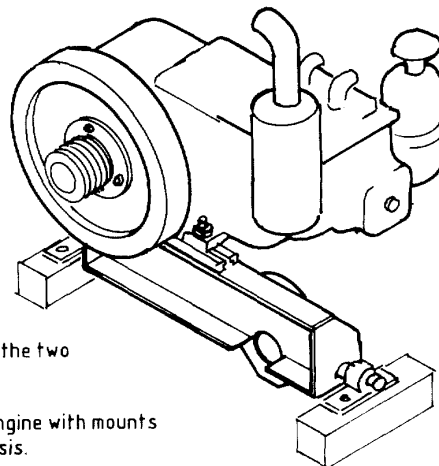
The slot must be wide enough to permit sliding the bolt but prevent the head turning



ENGINE MOUNTS (2)



A = Distance between engine bolts



1. Bolt the engine to the two engine mounts

2. Place the engine with mounts on the chassis.

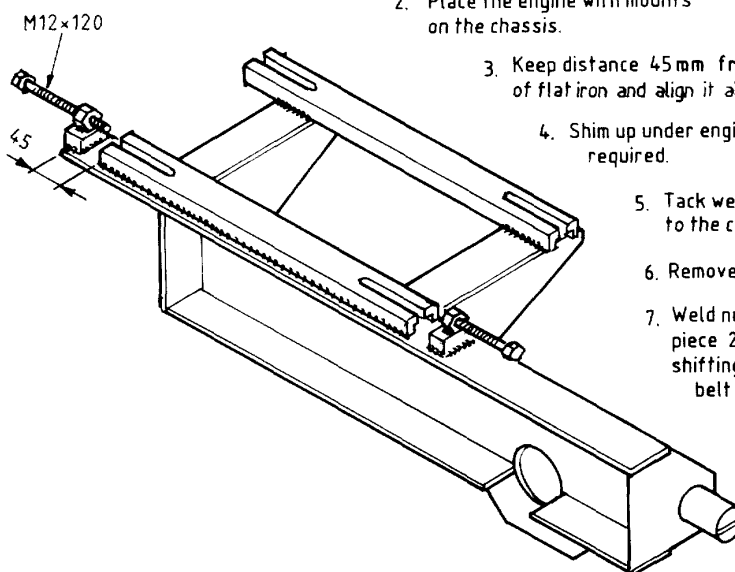
3. Keep distance 45mm from end of flat iron and align it along the flat iron.

4. Shim up under engine mounts where required.

5. Tack weld the engine mounts to the chassis.

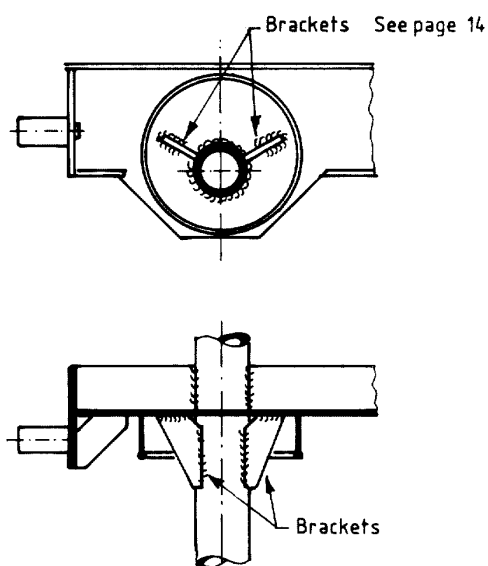
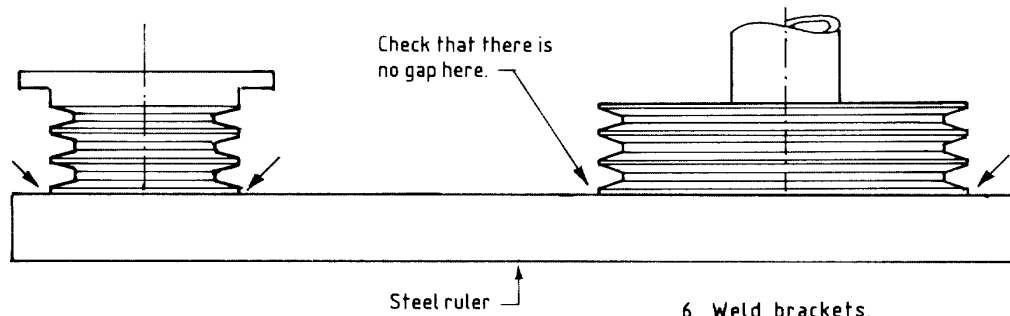
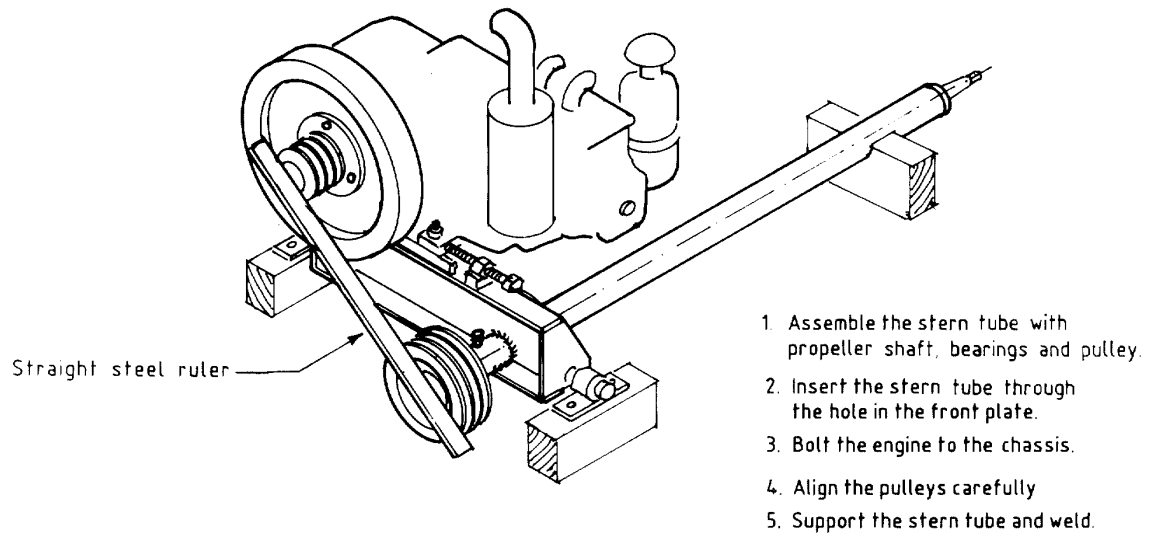
6. Remove engine and weld.

7. Weld nuts M12 (1/2 inch) on top of piece 20x20x40 to permit shifting the engine for belt tensioning. Bolts M12x120



ALIGNMENT OF STERN TUBE

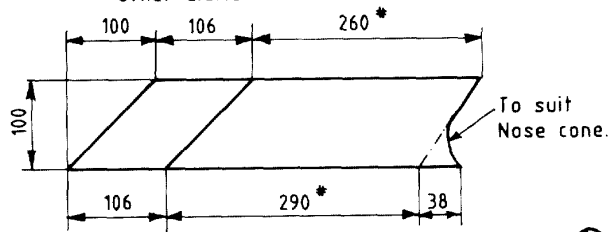
18



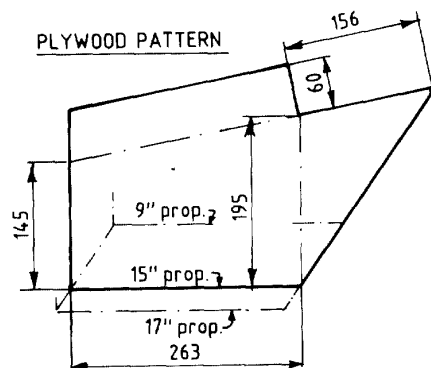
SKEG

19

* For 15" propeller diameter.
See plywood pattern for propellers of other diameters.

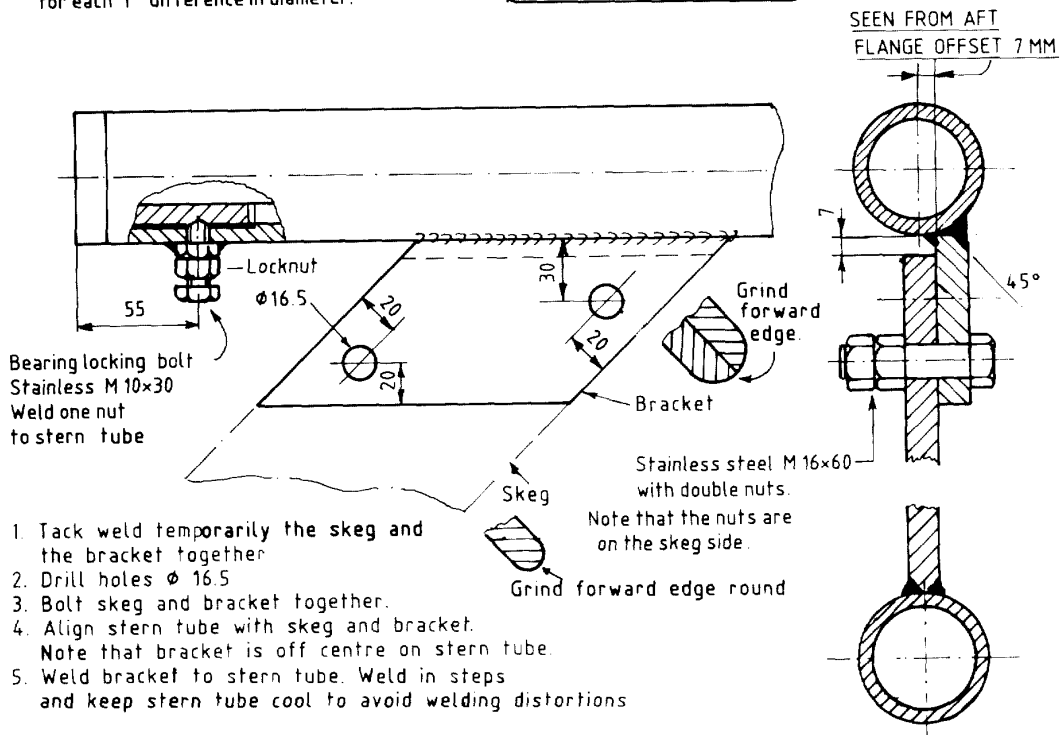
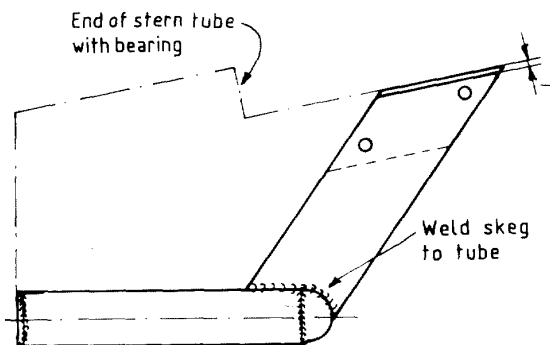
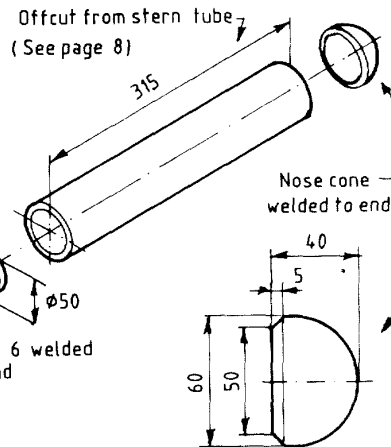


CUTTING OF FLAT IRON 15x100



PLYWOOD PATTERN

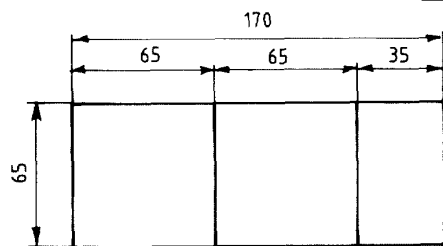
The pattern shown is for a propeller diameter of 15". For different propellers, raise or lower the bottom line 12 mm for each 1" difference in diameter.



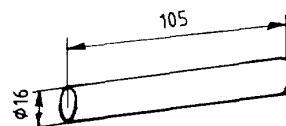
1. Tack weld temporarily the skag and the bracket together
2. Drill holes $\phi 16.5$
3. Bolt skag and bracket together.
4. Align stern tube with skag and bracket. Note that bracket is off centre on stern tube.
5. Weld bracket to stern tube. Weld in steps and keep stern tube cool to avoid welding distortions

RUDDER FITTING

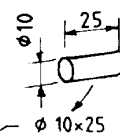
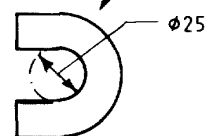
20



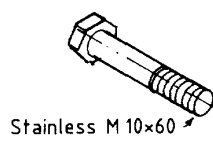
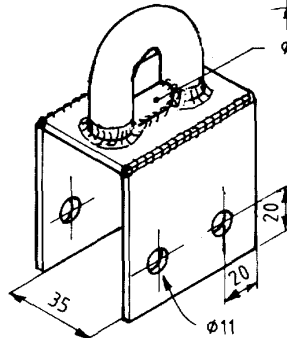
Stainless steel
Thickness = 4 mm



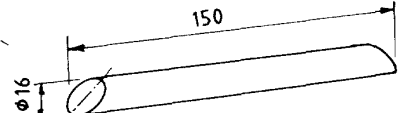
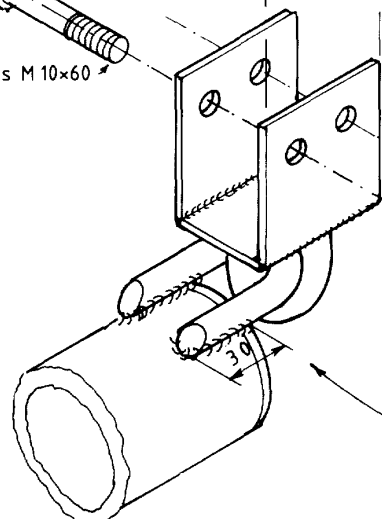
Stainless steel



φ 10×25



Stainless M 10×60



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