

ASSEMBLY WORKING-DRAWING PROBLEM

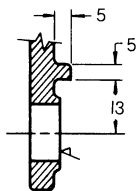
① FRAME

MATERIAL — 70F CAST STEEL

ROUNDS AND FILLETS R1.5
UNLESS SHOWN OTHERWISE

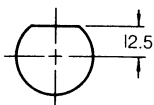
R11 BOTH SIDES

Ø 16 — 2 HOLES
THROUGH Ø 20 BOSSES
ON BOTH SIDES OF FRAME

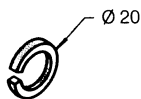


DETAIL OF LUG

LUG IS 14 WIDE AND
LOCATED ON ONE LEG ONLY.

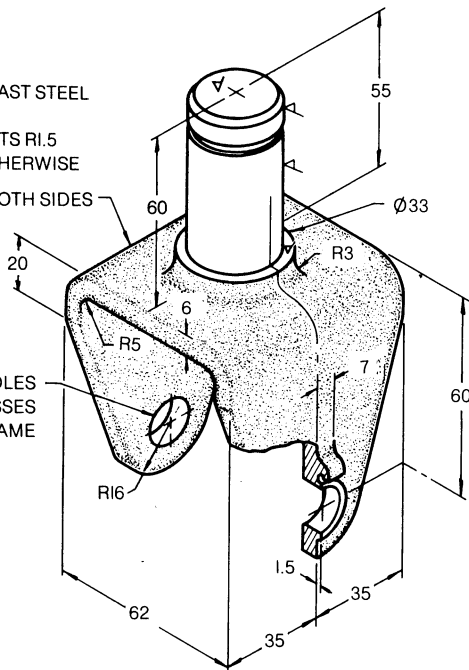


HEAD DETAIL



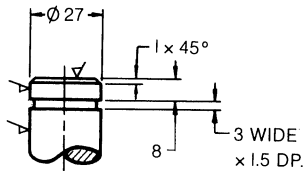
⑤ NO. 430 SNAP RING

STANDARD PART

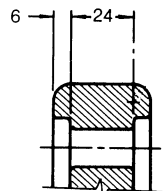


STEM CASTER

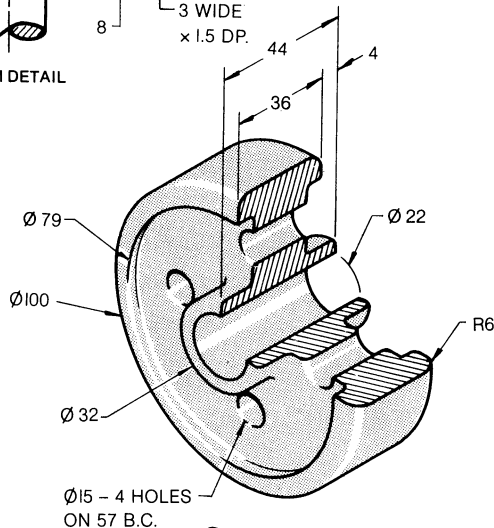
SCALE 1:1



STEM DETAIL

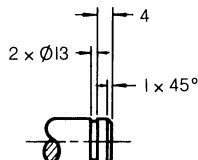


WHEEL DETAIL

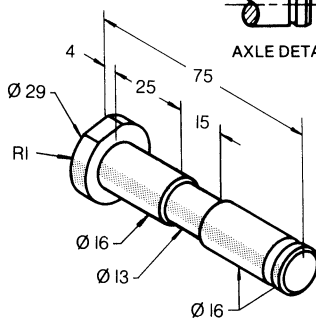


② CASTER WHEEL

MATERIAL — NO. 75 BLACK NEOPRENE
ROUNDS AND FILLETS NOT
DIMENSIONED TO BE R1.5



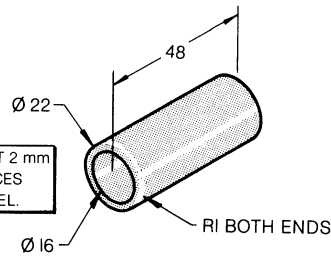
AXLE DETAIL



③ AXLE

MATERIAL — S.A.E. 2440 HOT-ROLLED STEEL

BEARING TO PROJECT 2 mm
BEYOND HUB FACES
OF CASTER WHEEL.



④ BEARING

MATERIAL — 503 OILITE BRONZE

Instructions

- Use a P3 sheet. Make the front view, from centre of castor wheel down, a half-sectional view.
- On finished assembly drawing show the following:
Diameter of castor wheel
Distance from centre of axle to end of stem

Diameter of stem
Length of stem

- Show the following notes:
Capacity of castor — 150 kg
Dimensions are in millimetres.
- Letter **METRIC** 9 mm high in a suitable location.