

ADDITIONAL NOTES

0) NO MATERIALS FROM OWN PREFERRED MATERIALS INDICATED IN DRAWINGS INDICATED IN YELLOW=BRASS, LIGHT BROWN=BRONZE OR 1) FASTENERS. NO FASTENERS SUCH AS THESE DRAWINGS

THE OFF SE
ECCENTRIC IN
CRANK AXIS
EXPERIMENT
THE SMOOTH
ENGINE AND
BUILDER

A diagram showing two concentric circles. The inner circle is labeled "CRANKPIN" and the outer circle is labeled "ECCENTRIC". A dashed line represents the vertical centerline. A solid line, representing the crankpin axis, is tilted at an angle from the vertical centerline, labeled "X OFF SET ANGLE".

FIG. 1

NOTES:

0. ALL DRAWINGS ARE IN
1. ALL ENGINEERING PRACTICE
2. WHERE SCREWS OR BOLTS ARE REQUIRED
3. PREFERABLY ALL TAPES
4. MATERIALS SPECIFIED
5. ALL CONNECTIONS/JUNCTIONS
6. COMPRESSION SPRINGS
7. WHERE PREFERRED SOLDER
8. PARTS WHICH ARE DIFFICULT TO MACHINE
9. THE ORDER IN WHICH
10. A COLOUR SCHEME FOR
11. THE MANNER IN WHICH
12. USE LOCTITE, ON SCREWS
13. WASHERS AND/OR SPACERS

QTY.	PART NUMBER
1	09B-30-00-1-01-BASE FRAME
2	09B-30-00-1-02-CRANKSHAFT BEARING
2	09B-30-00-1-03-GEAR WHEEL SHAFTBEARING
2	09B-30-00-1-04-CROSSHEAD GUIDE
1	09B-30-00-1-05-PISTON ROD GUIDE
1	09B-30-00-1-06-CYLINDER+VALVE CHEST
1	09B-30-00-1-07-CYLINDER FRONT COVER
1	09B-30-00-1-08-CYLINDER REAR COVER
1	09B-30-00-1-09-VALVE ROCKER SHAFT BEARING
1	09B-30-00-2-01-CRANKSHAFT+FLYWHEEL
1	09B-30-00-2-02-AUXILLIARY GEAR SHAFT
1	09B-30-00-2-03-PISTON+CROSSHEAD
1	09B-30-00-2-04-CON-ROD
1	09B-30-00-2-05-ECCENTRIC
1	09B-30-00-2-06-VALVE ROCKER SHAFT
1	09B-30-00-2-07-ECCENTRIC STRAP
1	09B-30-00-2-08-SLIDE VALVE
2	09B-30-00-2-09-VALVE ROD LINK

TITLE
A 1 CYLINDER HORIZONTAL NON REVERSING MILL STEAM ENGINE (B=25mm S=48mm)

DRAWING CONTENTS

GENERAL ARRANGEMENT, ISOMETRIC VIEWS, NOTES, BILL OF MATERIALS	1
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PROJECTION 	JDWDS	MODEL SCALE: 1:1
DATE MAY 2021		DWG SCALE: NTS @A3 OR AS SHOWN
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SHEET: 02 OF 07	A3	No: 09B-30-00-SHT02

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