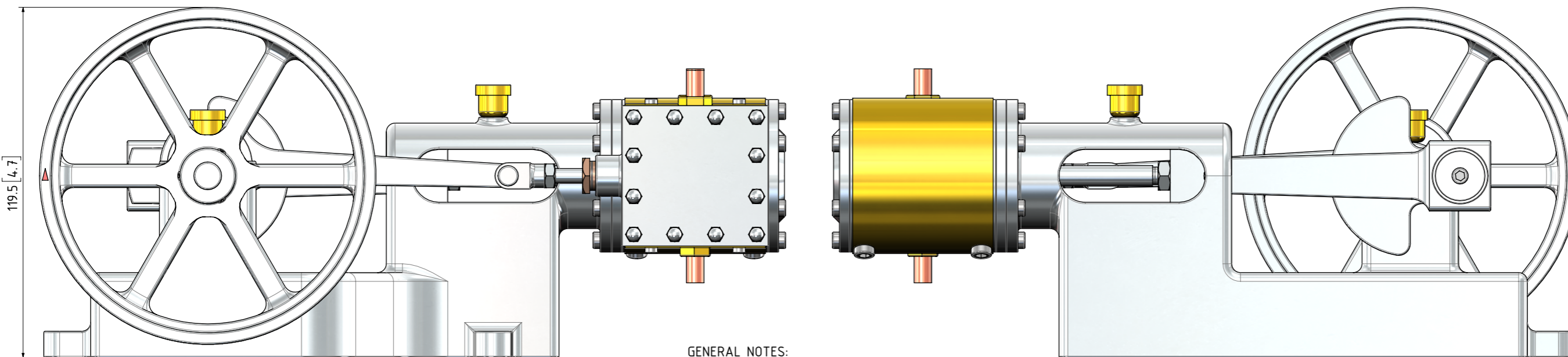
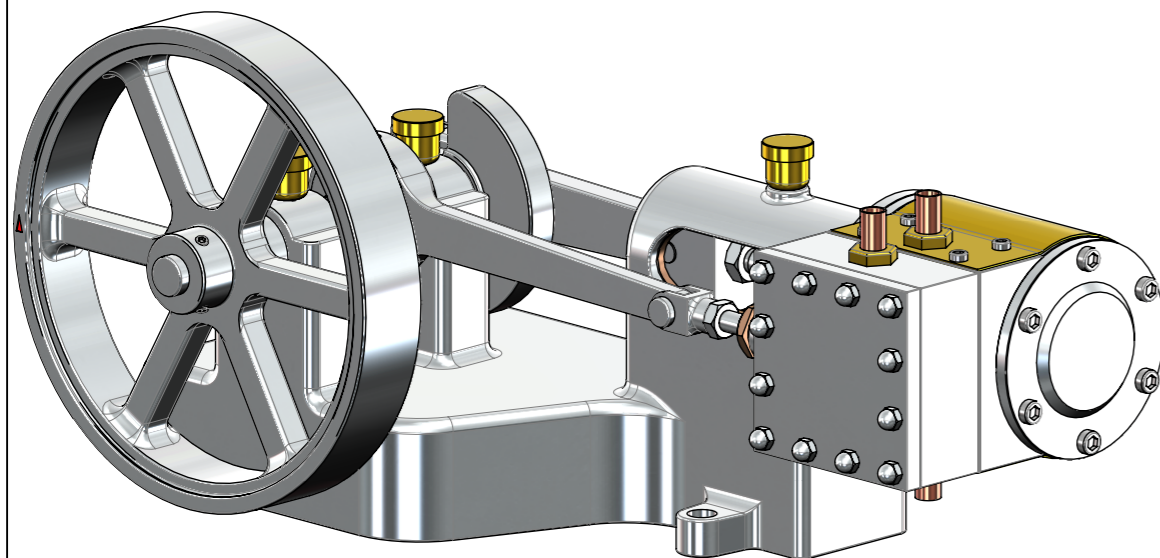


THE OFF SET ANGLE OF THE ECCENTRIC IN RELATION TO THE CRANK AXIS TO BE EXPERIMENTALLY DETERMINED FOR THE SMOOTH RUNNING OF THE ENGINE AND SATISFACTION OF THE BUILDER



DUE TO THE LACK OF INFORMATION ON THE ORIGINAL DRAWING(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC AND/OR CLARITY OF COMPONENTS, OMITTED PARTS/COMPONENTS, SOME OF THE COMPONENTS MIGHT NOT BE AS CONSTRUCTED ORIGINALLY OR AS THE ORIGINAL DESIGNER INTENDED



GENERAL NOTES:

0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
3. PREFERABLY ALL TAPPED HOLES AND MATCHING SCREWS AND/OR BOLTS TO BE METRIC FINE (MF)
4. MATERIALS SPECIFIED ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER CAN MAKE HIS/HER OWN MATERIAL CHOICE.
5. ALL CONNECTIONS/JOINTS WHICH HAVE STEAM PRESSURE APPLIED TO IT SHALL BE SILVER/HARD SOLDERED.
6. COMPRESSION SPRINGS ARE DRAWN IN COMPRESSED STATE (CP), UNCOMPRESSED STATE IS APPROX 40% TO 60% LONGER THEN COMPRESSED STATE.
7. WHERE PREFERRED SCREW OR RIVETED CONNECTIONS CAN BE OMITTED AND PARTS CAN BE BONDED TOGETHER BY USING EITHER HIGH STRENGTH GLUE, EPOXY RESIN, OR SOLDER.
8. PARTS WHICH ARE DIRECTLY EXPOSED TO STEAM AND/OR WATER SHOULD BE CONSTRUCTED USING NON-FERROUS OR NON CORROSIVE MATERIAL SUCH AS BRASS, BRONZE, GUNMETAL, STAINLESS STEEL, COPPER OR MONEL.
9. THE ORDER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED AND THE MODEL IS ASSEMBLED IS ENTIRELY LEFT TO THE BUILDER/MODEL MAKER.
10. A COLOUR SCHEME FOR THIS PROJECT IS ENTIRELY LEFT UP TO THE MODEL MAKER.
11. THE MANNER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED IS ENTIRELY LEFT UP TO THE BUILDER.
12. USE LOCTITE, ON SCREW OR PRESS FIT CONNECTIONS OR SURFACES, WERE DEEMED NECESSARY TO PREVENT PARTS FROM LOOSENING.
13. WASHERS AND/OR SPRING WASHERS SHALL BE USED WHERE DEEMED NECESSARY.
14. REMOVE ALL SHARP EDGES
- XX. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWINGS, DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSIONS CAN BE RECTIFIED.

QTY.	PART NUMBER
1	09B-43-00-1-01-ENGINE BASE
1	09B-43-00-1-02-CYLINDER+VALVE CHEST
1	09B-43-00-1-03-CYLINDER REAR COVER
1	09B-43-00-1-04-CYLINDER FRONT COVER
3	09B-43-00-1-05-STEAM INLET-OUTLET PIPE
3	09B-43-00-1-06-OIL CUP
1	09B-43-00-2-01-CRANKSHAFT+FLYWHEEL
1	09B-43-00-2-02-PISTON+CROSSHEAD
1	09B-43-00-2-03-CON-ROD
1	09B-43-00-2-04-SLIDE VALVE
1	09B-43-00-2-05-ECCENTRIC SHEAVE
1	09B-43-00-2-06-ECCENTRIC STRAP
3	09B-43-00-M2.5x4 A-K GRUB SCREW
13	09B-43-00-M3 DOME NUT
3	09B-43-00-M3x5 A-K GRUB SCREW
2	09B-43-00-M3x6 A-K C-SINK SCREW
8	09B-43-00-M3x6 A-K CYL HEAD SCREW
6	09B-43-00-M4x10 A-K CYL HEAD SCREW
6	09B-43-00-M4x14 A-K CYL HEAD SCREW
1	09B-43-00-M4x8 A-K CYL HEAD SCREW
1	09B-43-00-M5 NUT
2	09B-43-00-M5x5.5 A-K CYL HEAD SCREW
1	09B-43-00-M6 NUT

NOTES: THE ORIGINAL DRAWING WAS GIVEN TO ME. NO TITLE, AUTHOR(S) OR DATE WAS PRINTED ON THE ORIGINAL DRAWING. THE ONLY INFORMATION: "TINY POWER 10-SERIES STEAM ENGINES". THE ENGINE SHOWN ON THESE DRAWINGS IS 1.5 TIMES LARGER THAN THE ORIGINAL

TITLE  
1 CYLINDER HORIZONTAL, NON REVERSABLE, STEAM ENGINE. (BORE=30mmxSTROKE=34mm)

DRAWING CONTENTS  
GENERAL ARRANGEMENT, ISOMETRIC VIEW, NOTES, BILL OF MATERIALS

PROJECT No 09B-43-00  
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PROJECTION  
DATE AUGUST 2024  
SHEET: 01 OF 03

MODEL SCALE: 1:1  
DWG SCALE: 1:1 @A3 OR AS SHOWN  
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A3 No:09B-43-00-SHT-01