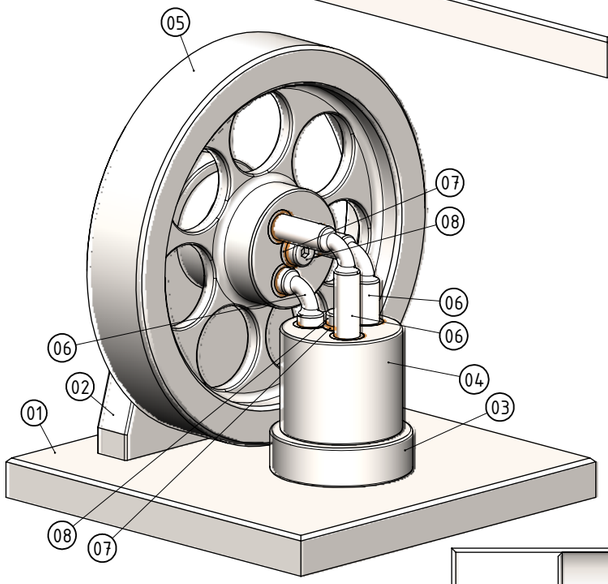
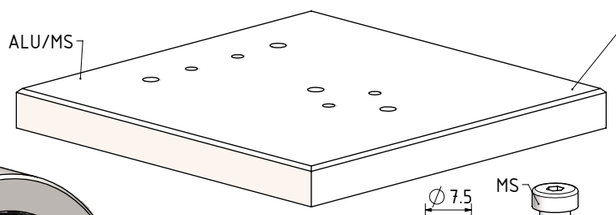
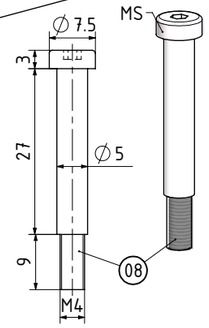
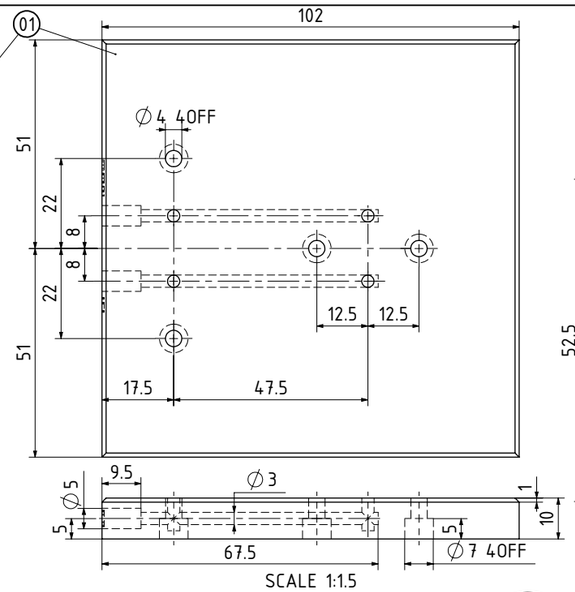
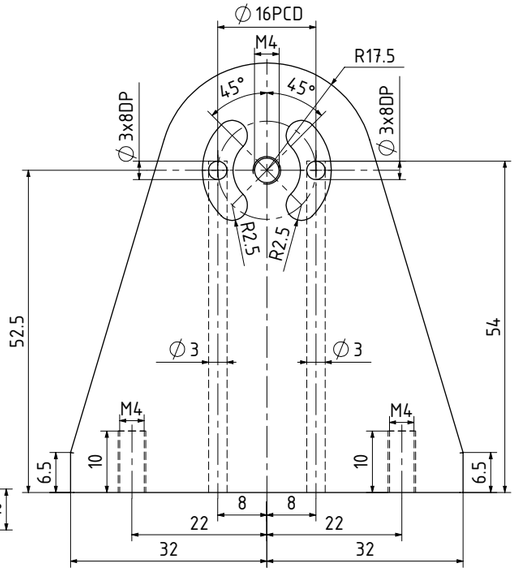


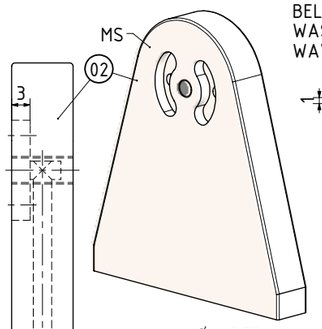


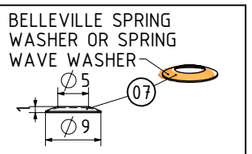


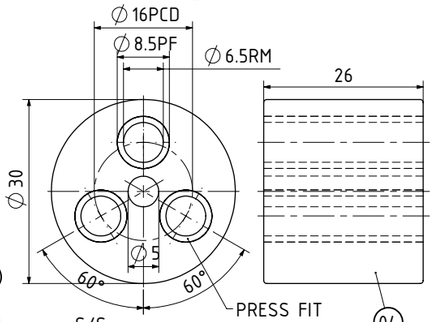


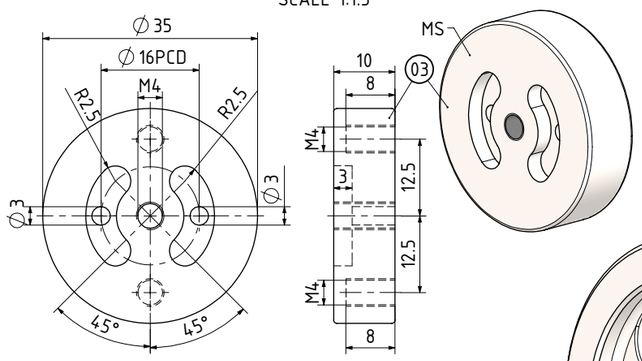
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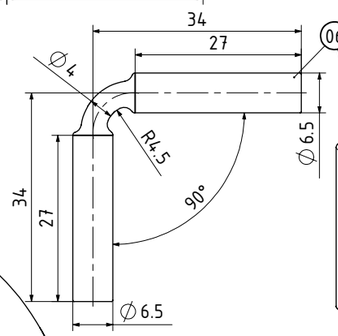


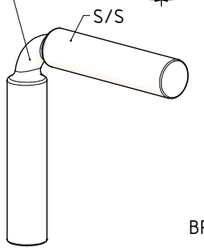


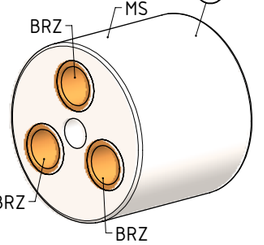


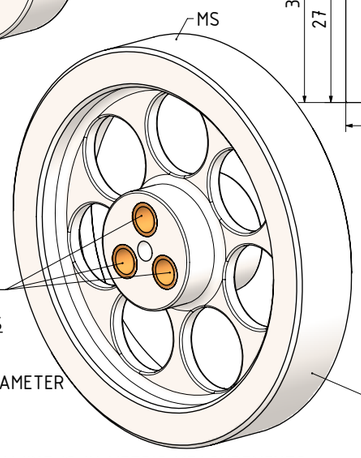




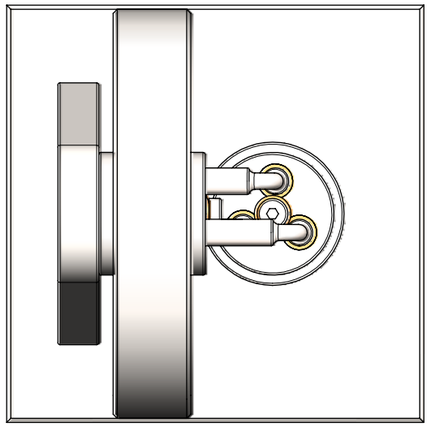






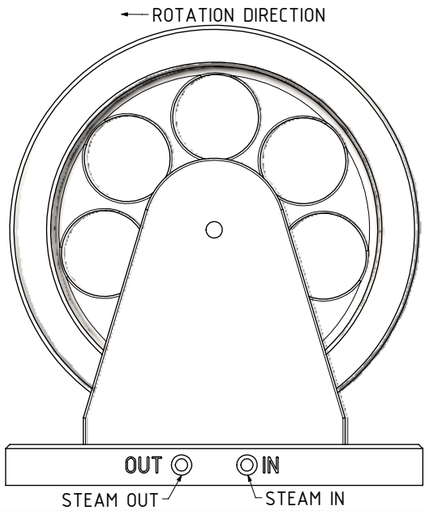


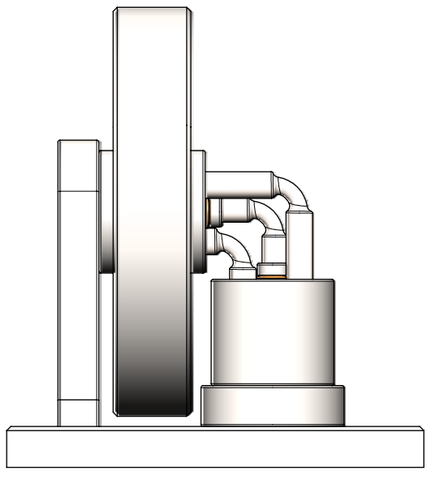
QTY.	PART NUMBER
1	ELBOW-01-BASE PLATE
1	ELBOW-02-FLYWHEEL STAND
1	ELBOW-03-PORT BLOCK
1	ELBOW-04-REVOLVING CYLINDER BODY
1	ELBOW-05-FLYWHEEL WITH CYLINDERS
3	ELBOW-06-PISTON
2	ELBOW-07-SPRING WAVE WASHER
2	ELBOW-08-CYLINDER SHAFT
4	ELBOW-M4x12 A-K CYL HEAD SCREW

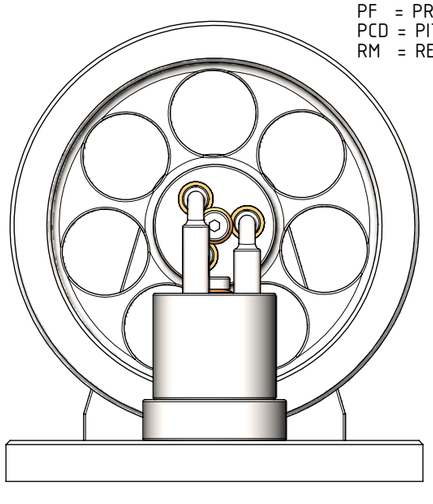


MATERIAL ABBREVIATIONS:
ALU = ALUMINIUM
BRZ = BRONZE OR GUNMETAL (BRZ/GM)
MS = MILD STEEL/BRIGHT MILD STEEL
S/S = SILVER STEEL OR STAINLESS STEEL

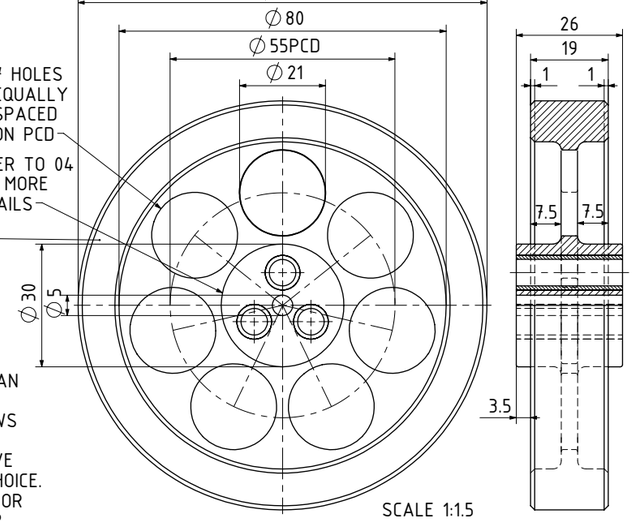
OTHER ABBREVIATIONS
DP = DEEP
PF = PRESS FIT
PCD = PITCH CIRCLE DIAMETER
RM = REAM







NOTES:
0. THE DRAWING IS 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. 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.
6. THE ORDER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED AND THE MODEL IS ASSEMBLED IS ENTIRELY LEFT TO THE BUILDER/MODELMAKER.
7. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWING(S), DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSSIONS CAN BE RECTIFIED.



SCALE 1:1.5

NOTES: DOWNLOADED SOME DRAWINGS AND ACCOMPANIED ARTICLE FROM INTERNET. MAGAZINE AND DESIGNER UNKNOWN

TITLE
6 CYLINDER "ELBOW" STEAM ENGINE

DRAWING CONTENTS
G.A. BOM, ISOMETRIC VIEWS, PARTS AND ASSEMBLIES

PROJECT No 09E-17-00
JDW DRAUGHTING SERVICES
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E-MAIL: dewaal@xtra.co.nz.

PROJECTION JDWDS
DATE NOVEMBER-2015
MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN
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SHEET: 01 OF 01
A3
No: ELBOW-01