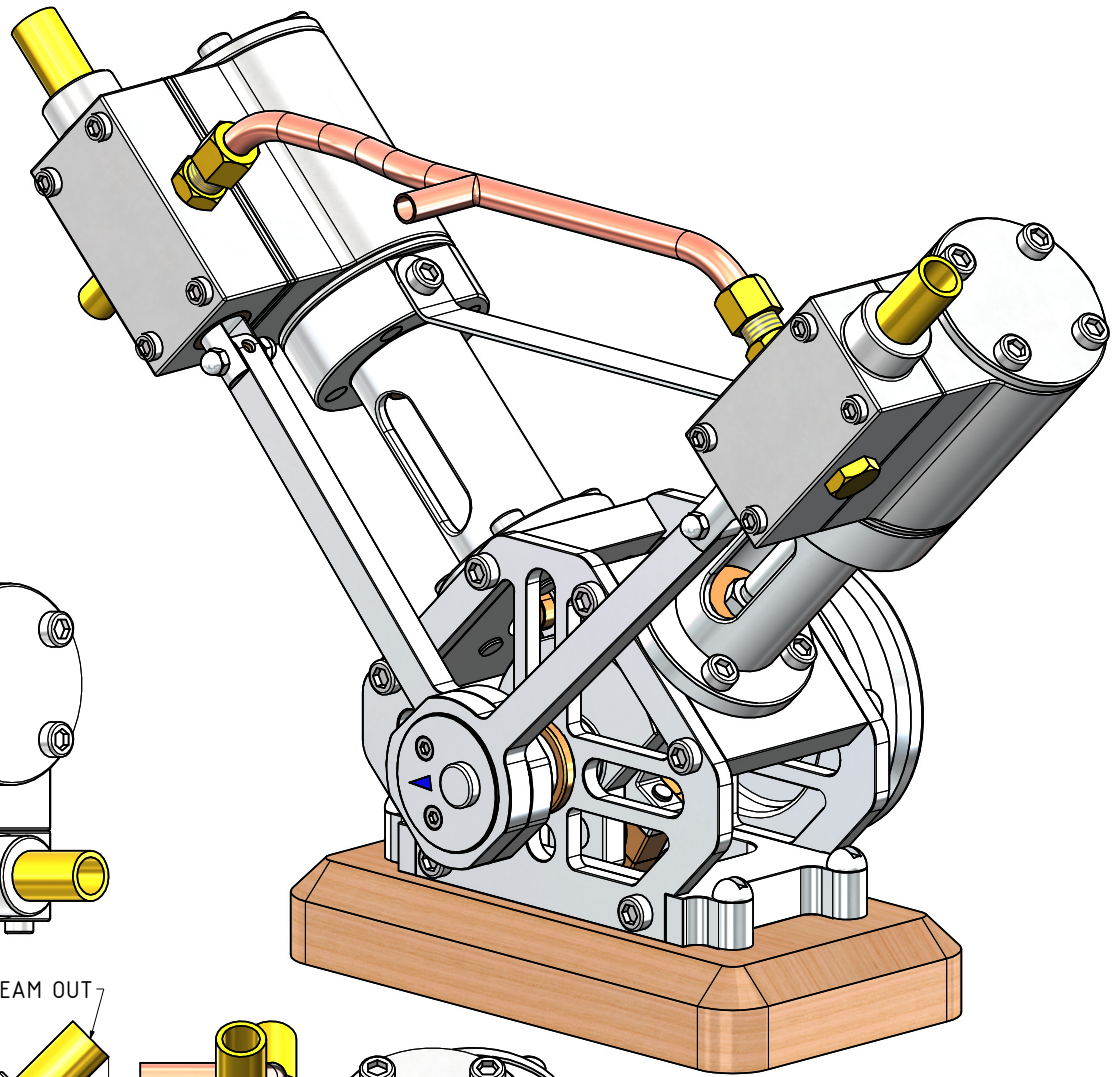
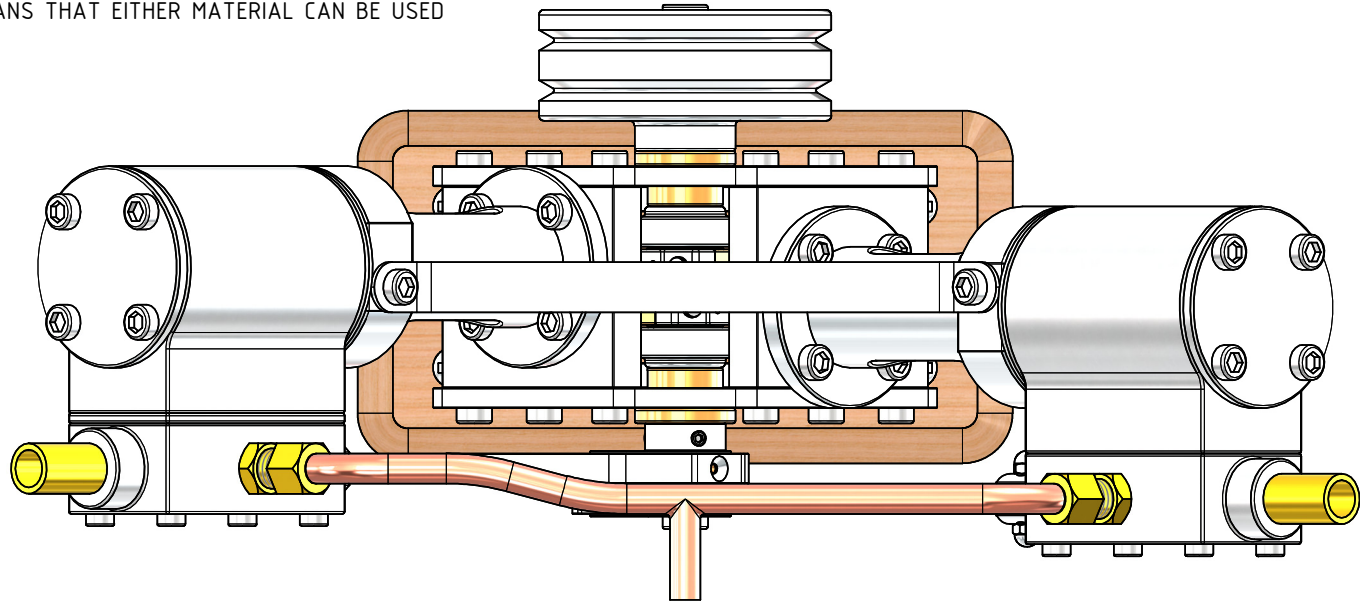
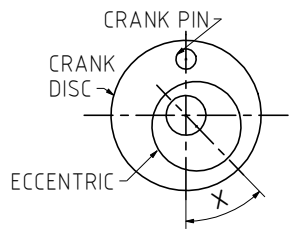


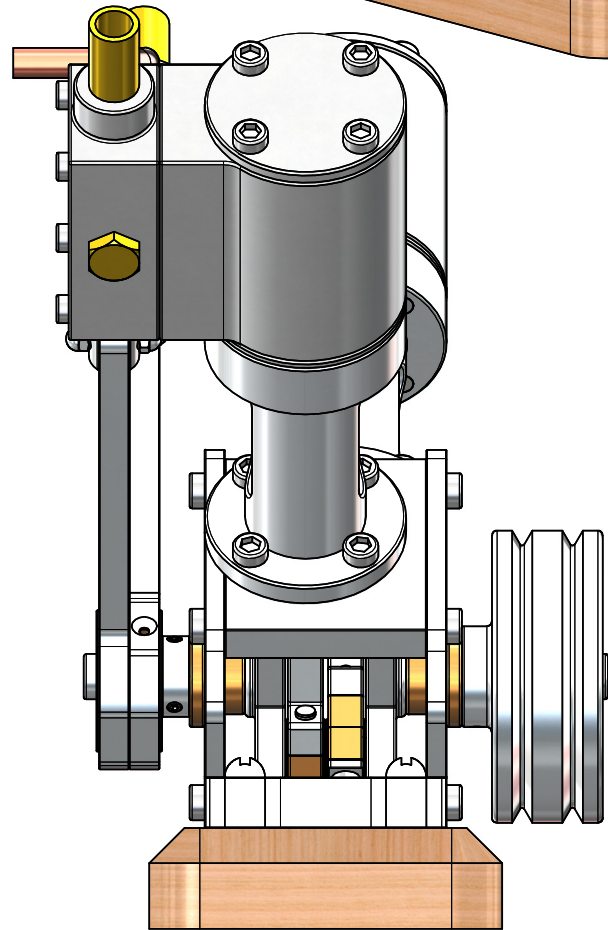
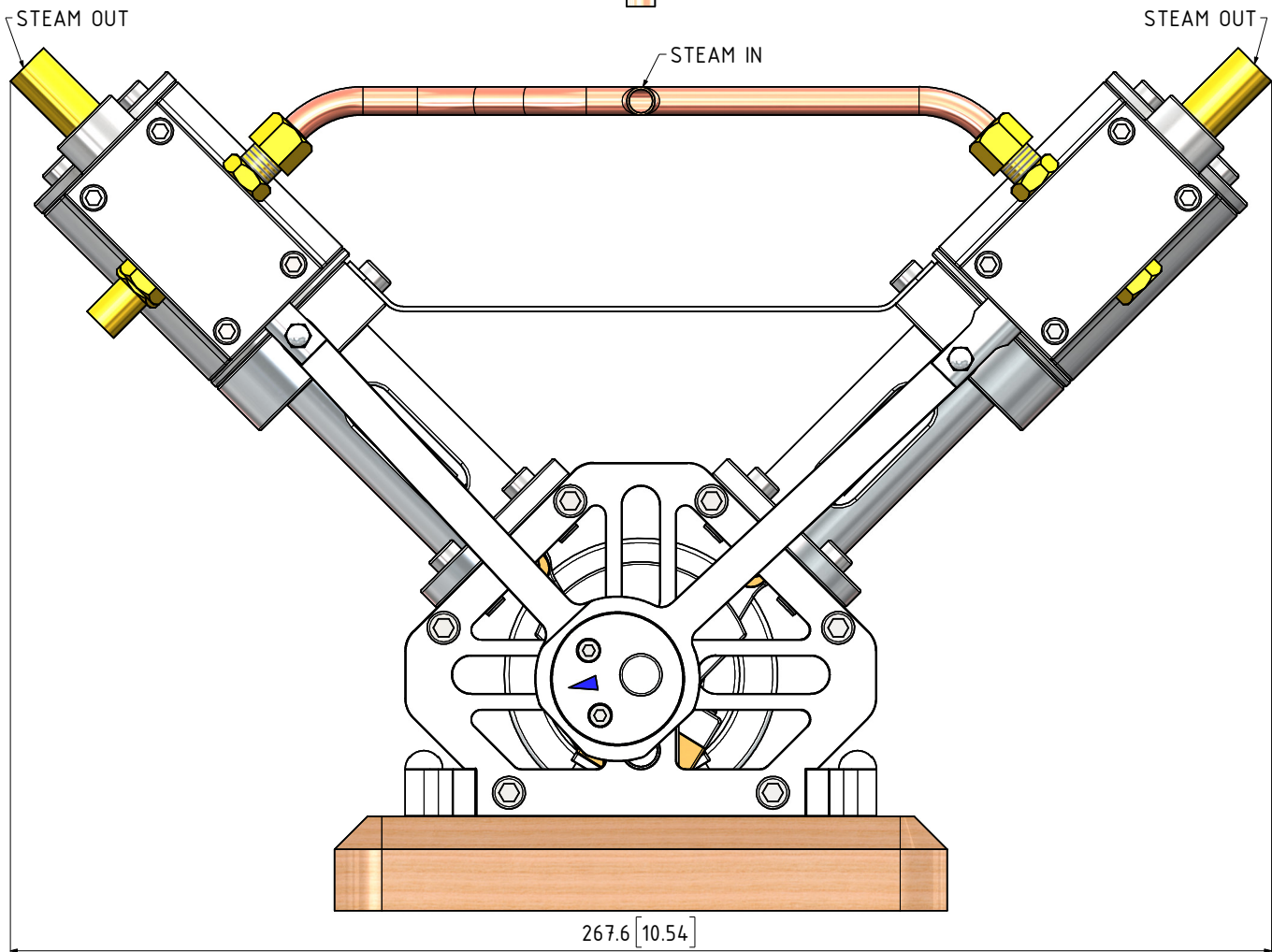
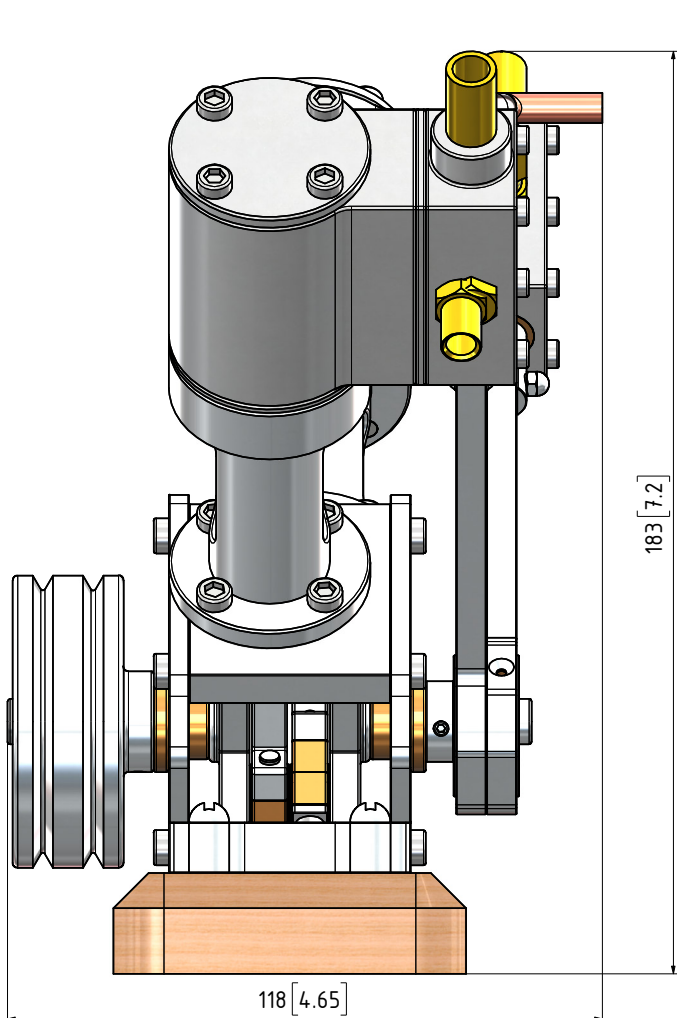
QTY.	PART NUMBER
1	09E-74-00-1-01-BASE FRAME
2	09E-74-00-1-02-CROSS HEAD TRUNK GUIDE
1	09E-74-00-1-03-CYLINDER+VALVE CHEST
1	09E-74-00-1-04-CYLINDER+VALVE CHEST
1	09E-74-00-1-05-STEAM SUPPLY PIPE
1	09E-74-00-1-06-HOLDING BRACKET
1	09E-74-00-2-01-CRANK SHAFT+FLYWHEEL
2	09E-74-00-2-02-PISTON+CROSSHEAD
2	09E-74-00-2-03-CON-ROD
2	09E-74-00-2-04-SPOOLVALVE
2	09E-74-00-2-05-ECCENTRIC STRAP
4	09E-74-00-M3 DOME NUT
2	09E-74-00-M3x12 A-K C-SINK SCREW
3	09E-74-00-M3x3.5 A-K GRUB SCREW
1	09E-74-00-M3x5.5 A-K GRUB SCREW
2	09E-74-00-M4 NUT
12	09E-74-00-M4x25 A-K CYL HEAD SCREW
2	09E-74-00-M5 NUT
20	09E-74-00-M5x14 A-K CYL HEAD SCREW
4	09E-74-00-M5x28-ROUND HEAD WOOD SCREW
8	09E-74-00-M5x68 A-K CYL HEAD SCREW
2	09E-74-00-M5x8 A-K CYL HEAD SCREW

MATERIAL ABBREVIATIONS:
ALU = ALUMINIUM
HALU= HARD ALUMINIUM
BRS = BRASS
PBRZ= PHOSPHORE BRONZE
BRZ = BRONZE OR GUNMETAL (BRZ/GM)
OLT = OILITE
CI = CAST IRON
CU = COPPER
GRA = GRAPHITE
MS = MILD STEEL/BRIGHT MILD STEEL
SS = SILVER STEEL OR STAINLESS STEEL
SPS = SPRING STEEL
PEEK= POLYETHER ETHER KETONE
SYN = SYNTHETIC MATERIAL SUCH AS VETON, NYLON, TEFLON OR RUBBER
IN GENERAL SYNTHETIC MATERIALS SHOULD BE ABLE TO WITHSTAND THE HEAT AND PRESSURE(S) APPLIED TO THEM.
nnn/nnn MEANS THAT EITHER MATERIAL CAN BE USED

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



OTHER ABBREVIATIONS
AS = AS SHOWN
DP = DEEP
DAA= DRILL AFTER ASSEMBLY
D&TAA= DRILL AND TAP AFTER ASSEMBLY
CF = CLOSE FIT (SIZE FOR SIZE)
PF = PRESS FIT
PFAA= PRESS FIT AFTER ASSEMBLY
PCD = PITCH CIRCLE DIAMETER
RM = REAM
HEX = HEXACON, 6SIDED
CP = COMPRESSED
KNL = KNURLED
CSK = COUNTERSINK
PL = PLACES
DWL= DOWEL
SPF= SPOTFACE
(T)HESOP=(TAPPED)HOLES EQUALLY SPACED ON PCD
(T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE
OD = OUTSIDE DIAMETER
ID = INSIDE DIAMETER
MAX/MIN = CRITICAL DIMENSION
[SA-xxx]= SUB ASSEMBLY-xxx

NOTES: THE ENGINE SHOWN ON THESE DRAWINGS ARE LOOSLY BASED ON A UNDIMENSIONED DRAWING AND PICTURES WHICH I FOUND ON THE INTERNET. THE DRAWING WAS DRAWN BY SIMON ROWLEY, AND DATED APRIL-2021. NO SCALE INDICATED.

TITLE
2 CYLINDER NON REVERSABLE "V" TYPE
STEAM ENGINE (BORE=22mm STROKE=32mm)

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

PROJECT No 09E-74-00
JDW DRAUGHTING SERVICES
J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAPURA
2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB:
0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION
DATE AUGUST 2025
SHEET: 01 OF 03

MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN
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A3 No:09E-74-00-SHT-01

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