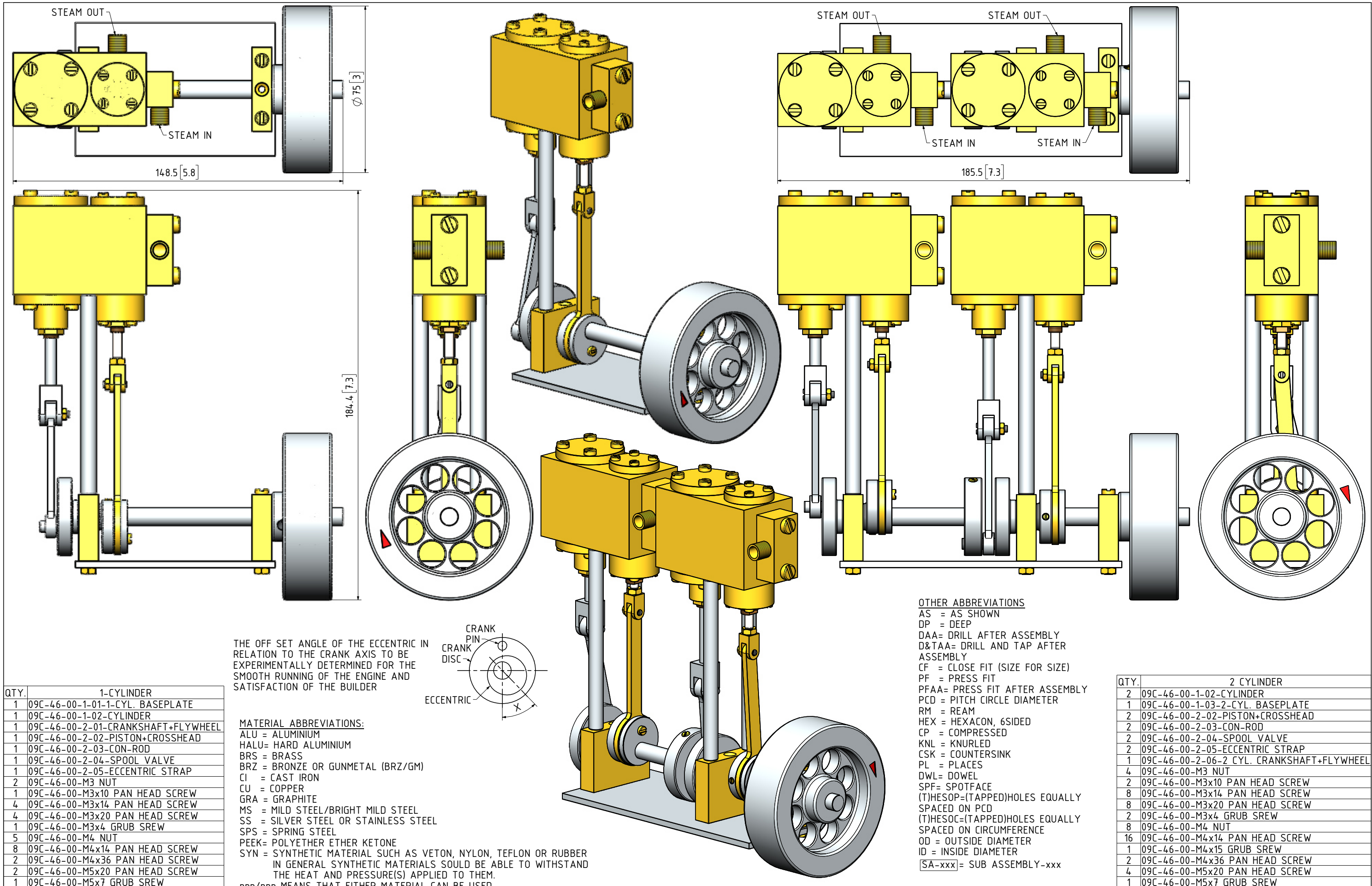




THE OFF SET ANGLE OF THE ECCENTRIC IN RELATION TO THE CRANK AXIS TO BE EXPERIMENTALLY DETERMINED FOR THE SMOOTH RUNNING OF THE ENGINE AND SATISFACTION OF THE BUILDER

MATERIAL ABBREVIATIONS:

- ALU = ALUMINIUM
  - HALU= HARD ALUMINIUM
  - BRS = BRASS
  - BRZ = BRONZE OR GUNMETAL (BRZ/GM)
  - 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.
- OD=ODD MEANS THAT EITHER MATERIAL CAN BE USED

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
- [SA-xxx]= SUB ASSEMBLY-xxx

| QTY. | 1-CYLINDER                         |
|------|------------------------------------|
| 1    | 09C-46-00-1-01-1-CYL. BASEPLATE    |
| 1    | 09C-46-00-1-02-CYLINDER            |
| 1    | 09C-46-00-2-01-CRANKSHAFT+FLYWHEEL |
| 1    | 09C-46-00-2-02-PISTON+CROSSHEAD    |
| 1    | 09C-46-00-2-03-CON-ROD             |
| 1    | 09C-46-00-2-04-SPOOL VALVE         |
| 1    | 09C-46-00-2-05-ECCENTRIC STRAP     |
| 2    | 09C-46-00-M3 NUT                   |
| 1    | 09C-46-00-M3x10 PAN HEAD SCREW     |
| 4    | 09C-46-00-M3x14 PAN HEAD SCREW     |
| 4    | 09C-46-00-M3x20 PAN HEAD SCREW     |
| 1    | 09C-46-00-M3x4 GRUB SREW           |
| 5    | 09C-46-00-M4 NUT                   |
| 8    | 09C-46-00-M4x14 PAN HEAD SCREW     |
| 2    | 09C-46-00-M4x36 PAN HEAD SCREW     |
| 2    | 09C-46-00-M5x20 PAN HEAD SCREW     |
| 1    | 09C-46-00-M5x7 GRUB SREW           |

| QTY. | 2 CYLINDER                                |
|------|-------------------------------------------|
| 2    | 09C-46-00-1-02-CYLINDER                   |
| 1    | 09C-46-00-1-03-2-CYL. BASEPLATE           |
| 2    | 09C-46-00-2-02-PISTON+CROSSHEAD           |
| 2    | 09C-46-00-2-03-CON-ROD                    |
| 2    | 09C-46-00-2-04-SPOOL VALVE                |
| 2    | 09C-46-00-2-05-ECCENTRIC STRAP            |
| 1    | 09C-46-00-2-06-2 CYL. CRANKSHAFT+FLYWHEEL |
| 4    | 09C-46-00-M3 NUT                          |
| 2    | 09C-46-00-M3x10 PAN HEAD SCREW            |
| 8    | 09C-46-00-M3x14 PAN HEAD SCREW            |
| 8    | 09C-46-00-M3x20 PAN HEAD SCREW            |
| 2    | 09C-46-00-M3x4 GRUB SREW                  |
| 8    | 09C-46-00-M4 NUT                          |
| 16   | 09C-46-00-M4x14 PAN HEAD SCREW            |
| 1    | 09C-46-00-M4x15 GRUB SREW                 |
| 2    | 09C-46-00-M4x36 PAN HEAD SCREW            |
| 4    | 09C-46-00-M5x20 PAN HEAD SCREW            |
| 1    | 09C-46-00-M5x7 GRUB SREW                  |