

# TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **A12/14/15**

PART NUMBER **1481312072**

GRIND **312° /7.25mm SOLID** BASE CIRCLE **27.4** ROCKER ARM RATIO※ **1.5** VALEVE CLEARANCE WHEN COLD **0.30**

LIFT **@CAM 7.25mm @VALVE 10.50mm** LOBE CENTER(°) **105.0**

\*ALL LIFTS ARE BASED ON ZERO LASH AND THORETICAL ROKER ARM RATIOS

| CAM TIMING       |    | OPENS(°) |      | CLOSES(°) |      | A CTUAL DURATION @OPENING(°) |
|------------------|----|----------|------|-----------|------|------------------------------|
| A CTUAL DURATION | IN | BTDC     | 51.0 | ABDC      | 81.0 | 312.0                        |
| VALVE LIFT       | EX | BBDC     | 81.0 | ATDC      | 51.0 | 312.0                        |

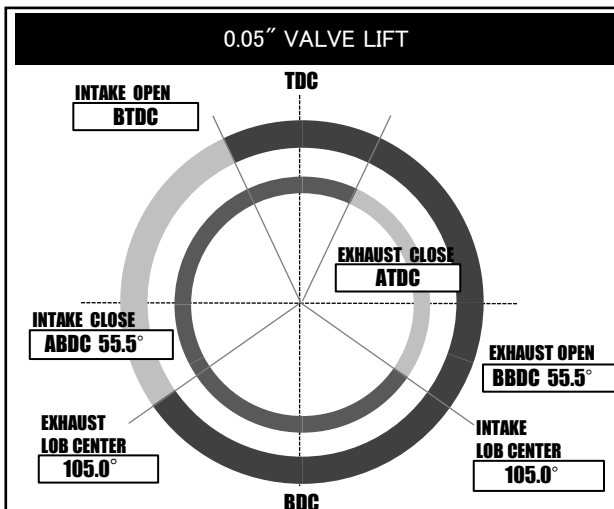
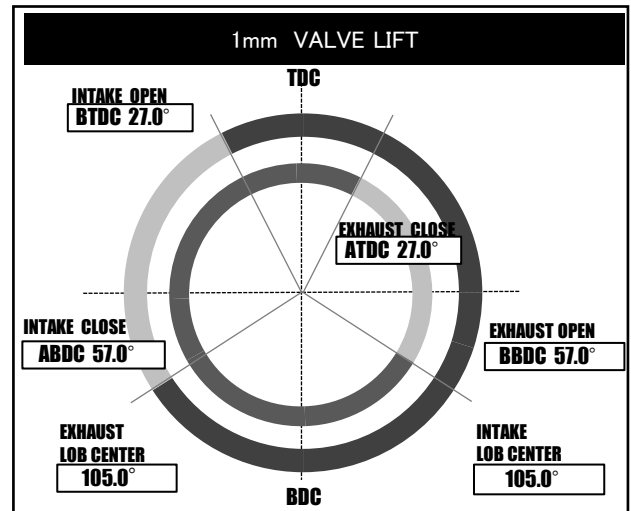
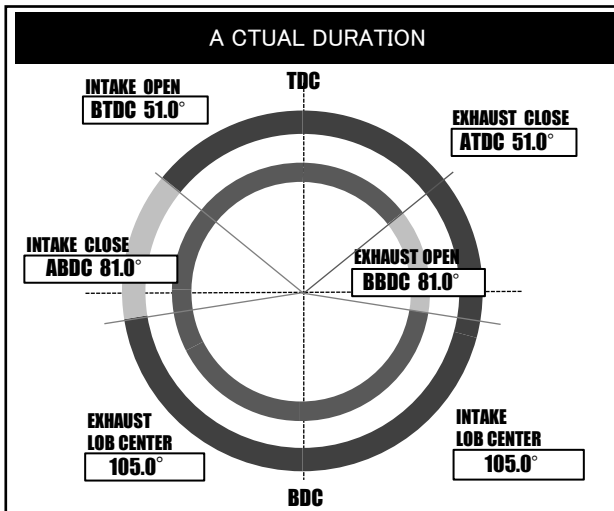
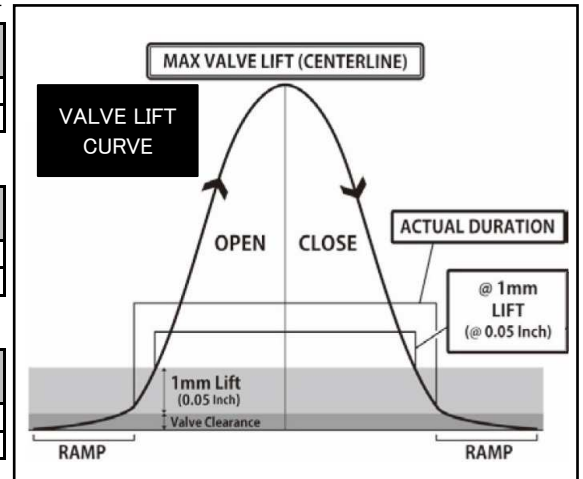
\*Values shown are,from start to the end of actual duration.(Excluding rht ramp values)

| CAM TIMING |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|------------|----|----------|------|-----------|------|-------------------|
| at 1mm     | IN | BTDC     | 27.0 | ABDC      | 57.0 | 264.0             |
| VALVE LIFT | EX | BBDC     | 57.0 | ATDC      | 27.0 | 264.0             |

\*Values are of actual duration from start to end of 1mm valve points.(Ezcluding ramp values)

| CAM TIMING |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|------------|----|----------|------|-----------|------|-------------------|
| at 0.05"   | IN | BTDC     | 25.5 | ABDC      | 55.5 | 261.0             |
| VALVE LIFT | EX | BBDC     | 55.5 | ATDC      | 25.5 | 261.0             |

\*Values are of actual duration from start to end of 0.05" value points.(Excluding ramp values)



| REQUIRED VALVE SPRING SPEC |             |
|----------------------------|-------------|
| NOMAL HIGHT                | 45.9/48.1mm |
| SET LENGTH                 | 34.7/38.0mm |
| LIFT LENGTH                | 23.7/27.0mm |
| COMPRESSED HEIGHT          | 21.2/25.2mm |
| SET LAOD                   | 35.5kgf     |
| LIFT LOAD                  | 92.9kgf     |
| TOMEI PART NUMBER          | 163038      |

| REQUIRED PARTS |           |
|----------------|-----------|
| PRODUCT NAME   | TOMEI P/N |
|                |           |
|                |           |
|                |           |
|                |           |