

# TOMEI Camshaft Spec Card

The Engine Specialist

PART NAME PROCAM ENGINE RB26DETT 32/33

PART NUMBER SET TA301A-NS05L IN TA301C-NS05F \* EX TA301E-NS05L

\*32/33/34 compatible

|       |    |               |       |
|-------|----|---------------|-------|
| GRIND | IN | 262° /10.25mm | SOLID |
|       | EX | 262° /10.25mm | SOLID |

|      |    |              |               |
|------|----|--------------|---------------|
| LIFT | IN | @CAM 10.25mm | @VALVE 9.80mm |
|      | EX | @CAM 10.25mm | @VALVE 9.87mm |

|                |    |       |
|----------------|----|-------|
| LOBE CENTER(°) | IN | 110.0 |
|                | EX | 115.0 |

|             |    |        |
|-------------|----|--------|
| BASE CIRCLE | IN | Φ 30.0 |
|             | EX | Φ 30.0 |

|                           |    |        |
|---------------------------|----|--------|
| VALVE CLEARANCE WHEN COLD | IN | 0.45mm |
|                           | EX | 0.38mm |

|                   |   |
|-------------------|---|
| ROCKER ARM RATIO* | - |
|-------------------|---|

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

| CAM TIMING                 |    | OPENS(°) |      | CLOSES(°) |      | Actual Duration @ Opening (°) |
|----------------------------|----|----------|------|-----------|------|-------------------------------|
| Actual Duration Valve Lift | IN | BTDC     | 19.0 | ABDC      | 63.0 | 262.0                         |
|                            | EX | BBDC     | 64.0 | ATDC      | 18.0 | 262.0                         |

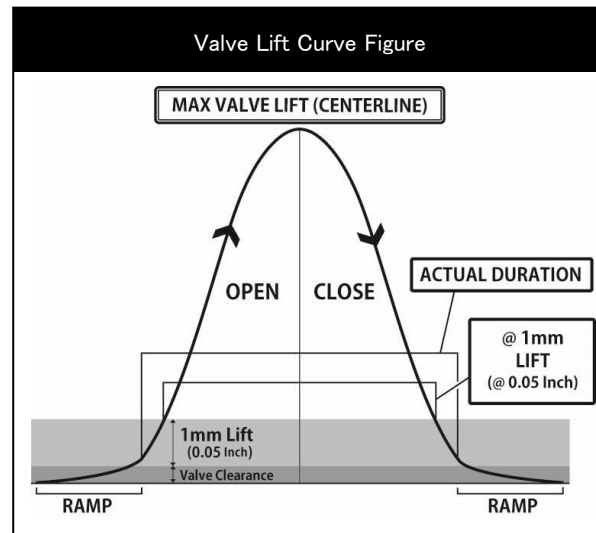
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING        |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|-------------------|----|----------|------|-----------|------|-------------------|
| at 1mm Valve Lift | IN | BTDC     | 4.0  | ABDC      | 44.0 | 228.0             |
|                   | EX | BBDC     | 49.0 | BTDC      | 1    | 228.0             |

Values are of actual duration from start to end of 1mm value points. (Excluding the ramp values)

| CAM TIMING          |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|---------------------|----|----------|------|-----------|------|-------------------|
| at 0.05" Valve Lift | IN | BTDC     | 2.0  | ABDC      | 42.0 | 224.0             |
|                     | EX | BBDC     | 47.0 | BTDC      | 3.0  | 224.0             |

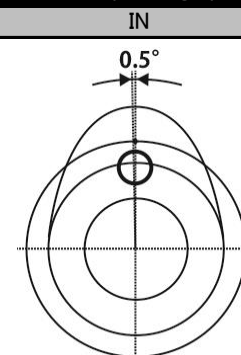
Values are of actual duration from start to end of 0.05" value points. (Excluding the ramp values)



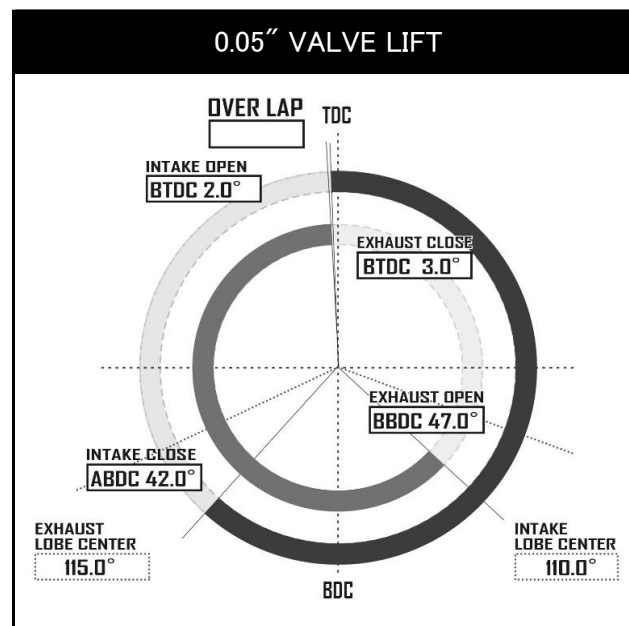
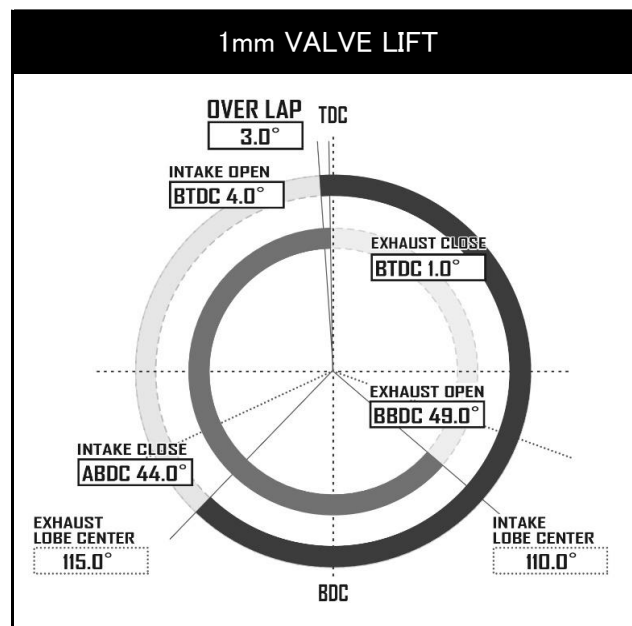
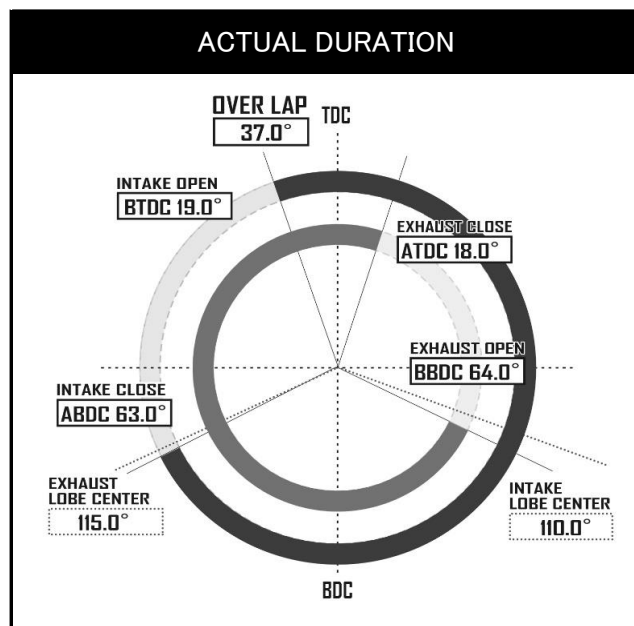
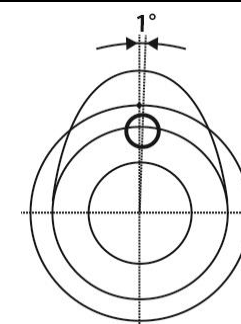
| REQUIRED VALVE SPRING SPEC |        |              |
|----------------------------|--------|--------------|
| NORMAL HEIGHT              | STD or | 44.0mm       |
| SET LENGTH                 |        | 37.7mm       |
| LIFT LENGTH                |        | 27.2mm       |
| COMPRESSED HEIGHT          |        | 26.1mm       |
| SET LOAD                   |        | 24.0kgf±7%   |
| LIFT LOAD                  |        | 77.2kgf±7%   |
| PART NUMBER                |        | TA304A-NS05A |

| REQUIRED PARTS         |              |
|------------------------|--------------|
| PRODUCT NAME           | PART NUMBER  |
| VALVE LIFTER           | TA307A-NS05A |
| ADJUSTABLE CAM GEAR IN | TA302B-NS05A |
| ADJUSTABLE CAM GEAR EX | TA302C-NS05A |
|                        |              |
|                        |              |

Dowel pin position when first cam lobe is pointing upwards.



EX



# TOMEI Camshaft Spec Card

The Engine Specialist

品名 PROCAM 適合 RB26DETT 32/33

品番 SET TA301A-NS05L IN TA301C-NS05F \* EX TA301E-NS05L

\*32/33/34共通

|      |    |               |       |
|------|----|---------------|-------|
| スペック | IN | 262° /10.25mm | SOLID |
|      | EX | 262° /10.25mm | SOLID |

|     |    |              |               |
|-----|----|--------------|---------------|
| リフト | IN | @CAM 10.25mm | @VALVE 9.80mm |
|     | EX | @CAM 10.25mm | @VALVE 9.87mm |

|                |    |       |
|----------------|----|-------|
| 初期設定<br>中心角(°) | IN | 110.0 |
|                | EX | 115.0 |

|      |    |       |
|------|----|-------|
| ベース円 | IN | Φ30.0 |
|      | EX | Φ30.0 |

|                  |    |        |
|------------------|----|--------|
| 冷間時<br>バルブクリアランス | IN | 0.45mm |
|                  | EX | 0.38mm |

|             |   |
|-------------|---|
| ロッカーアームレシオ* | - |
|-------------|---|

\*すべてのリフト値はラッシュアジャスターが動作していない時、およびロッカーアームレシオから計算した理論値です。

| カムタイミング         |    | OPENS(°) |      | CLOSES(°) |      | Actual Duration @ Opening(°) |
|-----------------|----|----------|------|-----------|------|------------------------------|
| 有効作用角<br>バルブリフト | IN | BTDC     | 19.0 | ABDC      | 63.0 | 262.0                        |
|                 | EX | BBDC     | 64.0 | ATDC      | 18.0 | 262.0                        |

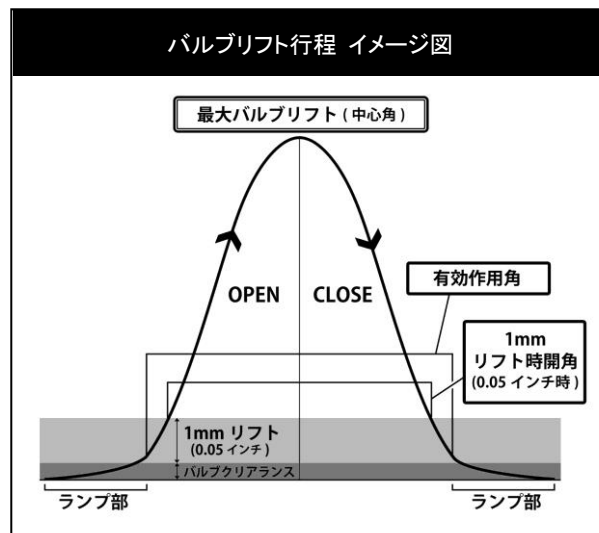
ランプ部を除いた有効作用角の始点と終点の数値

| カムタイミング       |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|---------------|----|----------|------|-----------|------|-------------------|
| 1mm<br>バルブリフト | IN | BTDC     | 4.0  | ABDC      | 44.0 | 228.0             |
|               | EX | BBDC     | 49.0 | BTDC      | 1    | 228.0             |

ランプ部を含めたバルブの開き始めと閉じ終わりから1mmの点での数値

| カムタイミング         |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|-----------------|----|----------|------|-----------|------|-------------------|
| 0.05"<br>バルブリフト | IN | BTDC     | 2.0  | ABDC      | 42.0 | 224.0             |
|                 | EX | BBDC     | 47.0 | BTDC      | 3.0  | 224.0             |

ランプ部を含めたバルブの開き始めと閉じ終わりから0.05インチの点での数値



| 推奨バルブスプリング |               |
|------------|---------------|
| 自由長        | STD or 44.0mm |
| セット長       | 37.7mm        |
| リフト長       | 27.2mm        |
| 密着長        | 26.1mm        |
| セット荷重      | 24.0kgf±7%    |
| リフト荷重      | 77.2kgf±7%    |
| 品番         | TA304A-NS05A  |

| 必要部品                   |              |
|------------------------|--------------|
| 製品名                    | 品番           |
| VALVE LIFTER           | TA307A-NS05A |
| ADJUSTABLE CAM GEAR IN | TA302B-NS05A |
| ADJUSTABLE CAM GEAR EX | TA302C-NS05A |
|                        |              |
|                        |              |
|                        |              |

第1カム山をトップ位置にした際の  
ノックピン位置

