

# FRSE Real Speed Engineering Camshaft Spec Card

PART NAME **SPEC-S** ENGINE **RB26DETT 34**

PART NUMBER SET **RA301A-NS05D** IN **RA301C-NS05B \*** EX **RA301E-NS05D**

\*32/33/34 compatible

|       |    |              |       |
|-------|----|--------------|-------|
| GRIND | IN | 262° /9.15mm | SOLID |
|       | EX | 262° /9.15mm | SOLID |

|      |    |             |               |
|------|----|-------------|---------------|
| LIFT | IN | @CAM 9.15mm | @VALVE 8.70mm |
|      | EX | @CAM 9.15mm | @VALVE 8.77mm |

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

|             |    |       |
|-------------|----|-------|
| BASE CIRCLE | IN | Φ32.0 |
|             | EX | Φ32.0 |

|                           |    |        |
|---------------------------|----|--------|
| 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     | 20.0 | ABDC      | 62.0 | 262.0                         |
|                            | EX | BBDC     | 65.0 | ATDC      | 17.0 | 262.0                         |

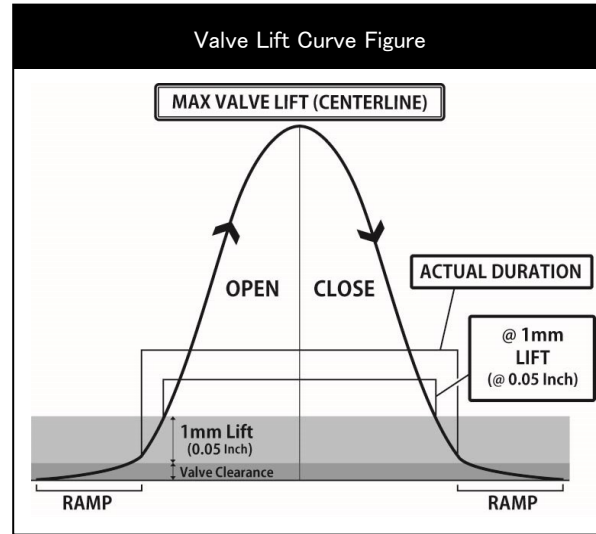
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING        |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|-------------------|----|----------|------|-----------|------|-------------------|
| at 1mm Valve Lift | IN | BTDC     | 4.0  | ABDC      | 44.0 | 228.0             |
|                   | EX | BBDC     | 49.0 | ATDC      | -1.0 | 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 | ATDC      | -3.0 | 224.0             |

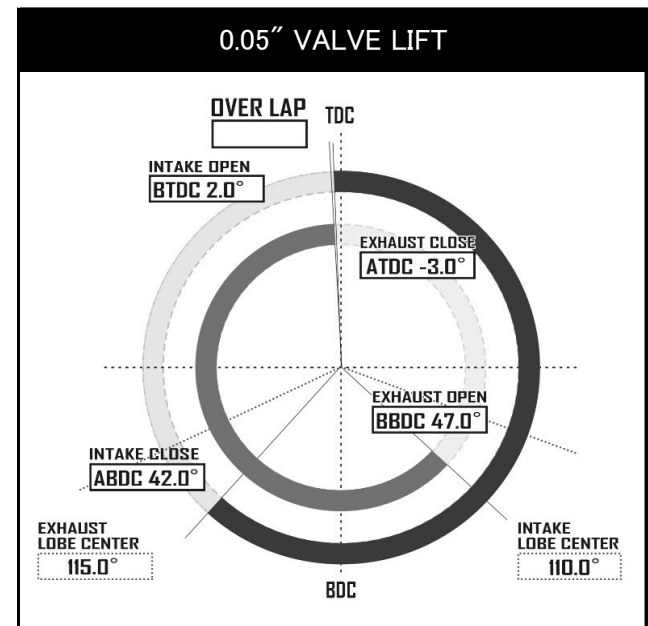
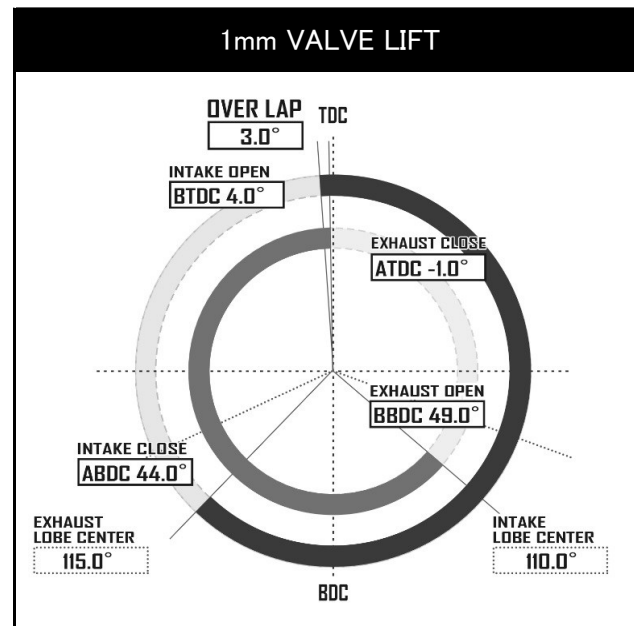
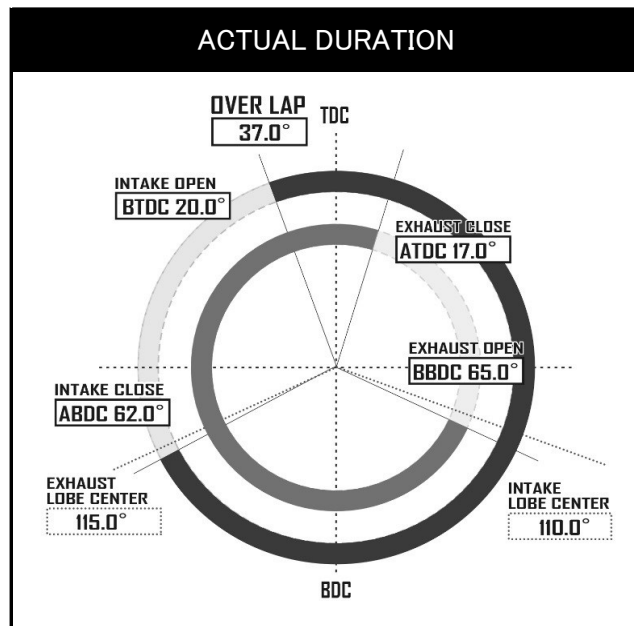
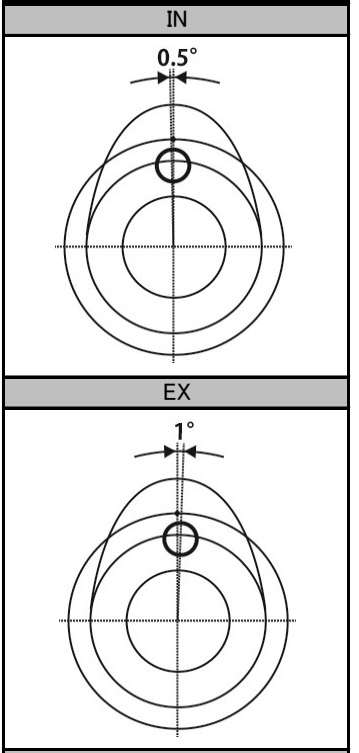
Values are of actual duration from start to end of 0.05" value points. (Excluding the ramp values)



| REQUIRED VALVE SPRING SPEC |                     |
|----------------------------|---------------------|
| NORMAL HEIGHT              | OEM or 44.0mm       |
| SET LENGTH                 | OEM or 37.7mm       |
| LIFT LENGTH                | OEM or 27.2mm       |
| COMPRESSED HEIGHT          | OEM or 26.1mm       |
| SET LOAD                   | OEM or 24.0kgf ± 7% |
| LIFT LOAD                  | OEM or 77.2kgf ± 7% |
| PART NUMBER                | OEM or RA304A-NS05A |

| REQUIRED PARTS |             |
|----------------|-------------|
| PRODUCT NAME   | PART NUMBER |
|                |             |
|                |             |
|                |             |
|                |             |
|                |             |
|                |             |
|                |             |

Dowel pin position when first cam lobe is pointing upwards.



# RSE Real Speed Engineering Camshaft Spec Card

品名 SPEC-S 適合 RB26DETT 34

品番 SET RA301A-NS05D IN RA301C-NS05B \* EX RA301E-NS05D

|      |    |               |       |
|------|----|---------------|-------|
| スペック | IN | 262° / 9.15mm | SOLID |
|      | EX | 262° / 9.15mm | SOLID |

|     |    |             |               |
|-----|----|-------------|---------------|
| リフト | IN | @CAM 9.15mm | @VALVE 8.70mm |
|     | EX | @CAM 9.15mm | @VALVE 8.77mm |

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

|      |    |       |
|------|----|-------|
| ベース円 | IN | Φ32.0 |
|      | EX | Φ32.0 |

\*32/33/34共通

|                  |    |        |
|------------------|----|--------|
| 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     | 20.0 | ABDC      | 62.0 | 262.0                        |
|                 | EX | BBDC     | 65.0 | ATDC      | 17.0 | 262.0                        |

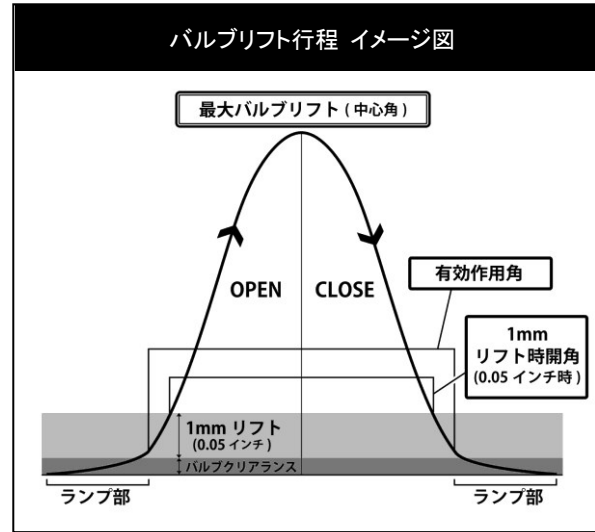
ランプ部を除いた有効作用角の始点と終点の数値

| 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 | ATDC      | -1.0 | 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 | ATDC      | -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        | 純正 or 44.0mm       |
| セット長       | 純正 or 37.7mm       |
| リフト長       | 純正 or 27.2mm       |
| 密着長        | 純正 or 26.1mm       |
| セット荷重      | 純正 or 24.0kgf±7%   |
| リフト荷重      | 純正 or 77.2kgf±7%   |
| 品番         | 純正 or RA304A-NS05A |

| 必要部品 |    |
|------|----|
| 製品名  | 品番 |
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |

第1カム山をトップ位置にした際の  
ノックピン位置

