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| Engine Make: | Engine Model: | Part Number: |
| TOYOTA | 4A-GE 16v (shim under bucket) | 193HV-A |
| Valve Clearance: | Intake: 0.25mm Set COLD at the CAM | Exhaust: 0.30mm Set COLD at the CAM |
| Cam Lift: | Intake: 10.55mm | Exhaust: 10.40mm |
| Rocker Ratio: | Intake: 1 | Exhaust: 1 |
| Nett Valve Lift: | Intake: 10.30mm | Exhaust: 10.10mm |
| Advertised Duration @ 0.30mm | Intake: 290 | Exhaust: 282 |
| Duration @ 1.00mm VALVE LIFT | Intake: 248 | Exhaust: 240 |
| Timing @ 1.00mm VALVE LIFT | IVO: 25 BTDC | EVO 45 BBDC |
| | IVC: 43 ABDC | EVC 15 ATDC |
| | Intake: 99 ATDC | Exhaust: 105 BTDC |
| | Intake: 3.60mm | Exhaust: 2.53 |

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