



Engine Make:	Engine Model:	Part Number:
TOYOTA	4A-GE 16v	193-A
Valve Clearance:	Intake: 0.25mm Set COLD at the CAM	
	Exhaust: 0.30mm Set COLD at the CAM	
Cam Lift:	Intake: 8.84mm	Exhaust: 8.50mm
Rocker Ratio:	Intake: 1	Exhaust: 1
Nett Valve Lift:	Intake: 8.59mm	Exhaust: 8.20mm
Advertised Duration @ 0.30mm	Intake: 266	Exhaust: 262
Duration @ 1.00mm VALVE LIFT	Intake: 226	Exhaust: 220
Timing @ 1.00mm VALVE LIFT	IVO: 5 BTDC	EVO 40 BBDC
	IVC: 41 ABDC	EVC 0 TDC
	Intake: 108 ATDC	Exhaust: 110 BTDC
	Intake: 1.58mm	Exhaust: 1.00

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