



Engine Make:	Engine Model:	Part Number:
TOYOTA	4A-GE, 20 VALVE	194-A
Valve Clearance:	Intake: 0.25mm Set COLD at the CAM	
	Exhaust: 0.30mm Set COLD at the CAM	
Cam Lift:	Intake: 8.45mm	Exhaust: 8.45mm
Rocker Ratio:	Intake: 1	Exhaust: 1
Nett Valve Lift:	Intake: 8.20mm	Exhaust: 8.15mm
Advertised Duration @ 0.10mm	Intake: 264	Exhaust: 264
Duration @ 1.00mm VALVE LIFT	Intake: 228	Exhaust: 228
Timing @ 1.00mm VALVE LIFT	IVO: 6 ATDC	EVO 40 BBDC
	IVC: 54 ABDC	EVC 8 ATDC
	Intake: 120 ATDC	Exhaust: 106 BTDC
	Intake: 0.58mm	Exhaust: 1.75

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