



Engine Make:	Engine Model:	Part Number:
TOYOTA	4A-GE, 20 VALVE	194-E
Valve Clearance:	Intake: 0.25mm Set COLD at the CAM	Exhaust: 0.30mm Set COLD at the CAM
Cam Lift:	Intake: 10.75mm	Exhaust: 10.30mm
Rocker Ratio:	Intake: 1	Exhaust: 1
Nett Valve Lift:	Intake: 10.50mm	Exhaust: 10.00mm
Advertised Duration @ 0.10mm	Intake: 302	Exhaust: 290
Duration @ 1.00mm VALVE LIFT	Intake: 266	Exhaust: 250
Timing @ 1.00mm VALVE LIFT	IVO: 33 BTDC	EVO 50 BBDC
	IVC: 53 ABDC	EVC 20 ATDC
	Intake: 100 ATDC	Exhaust: 105 BTDC
	Intake: 4.08mm	Exhaust: 2.87

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