



Engine Make:	Engine Model:	Part Number:
TOYOTA	4A-GE 16v (shim under bucket)	193HV-T
Valve Clearance:	Intake: 0.25mm Set COLD at the CAM	Exhaust: 0.30mm Set COLD at the CAM
Cam Lift:	Intake: 10.40mm	Exhaust: 10.30mm
Rocker Ratio:	Intake: 1	Exhaust: 1
Nett Valve Lift:	Intake: 10.15mm	Exhaust: 10.00mm
Advertised Duration @ 0.30mm	Intake: 272	Exhaust: 280
Duration @ 1.00mm VALVE LIFT	Intake: 232	Exhaust: 240
Timing @ 1.00mm VALVE LIFT	IVO: 8 BTDC	EVO 58 BBDC
	IVC: 44 ABDC	EVC 2 ATDC
	Intake: 108 ATDC	Exhaust: 118 BTDC
	Intake: 1.86mm	Exhaust: 1.16

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