

## VEHICLE: 99-00 Mazda Miata

Lobe(s): Intake	LIFT	DUR.	OPEN	CLOSE	AREA
	0.020	223.26	11.01 BTDC	32.25 ABDC	23.78
	0.030	214.89	7.13 BTDC	27.76 ABDC	23.68
	0.040	209.04	4.28 BTDC	24.76 ABDC	23.57
	0.050	204.06	1.82 BTDC	22.24 ABDC	23.46
	0.060	199.44	0.48 ATDC	19.93 ABDC	23.34
	0.070	194.91	2.75 ATDC	17.66 ABDC	23.19
	0.080	190.41	5.01 ATDC	15.41 ABDC	23.02
	0.090	185.91	7.26 ATDC	13.17 ABDC	22.83
	0.100	181.41	9.51 ATDC	10.92 ABDC	22.61
	0.150	158.66	20.91 ATDC	0.43 BBDC	21.19
	0.200	133.76	33.62 ATDC	12.62 BBDC	19.00
	0.250	103.77	49.06 ATDC	27.17 BBDC	15.62
	0.300	61.02	71.12 ATDC	47.86 BBDC	9.39
	0.324	--- PEAK CAM LIFT ---			

Lobe(s): Exhaust	LIFT	DUR.	OPEN	CLOSE	AREA
	0.020	233.13	35.67 BBDC	17.46 ATDC	26.01
	0.030	222.30	30.90 BBDC	11.40 ATDC	25.88
	0.040	215.79	27.76 BBDC	8.04 ATDC	25.72
	0.050	210.69	25.25 BBDC	5.43 ATDC	25.65
	0.060	206.06	22.95 BBDC	3.11 ATDC	25.52
	0.070	201.54	20.69 BBDC	0.85 ATDC	25.38
	0.080	197.04	18.44 BBDC	1.40 BTDC	25.21
	0.090	192.53	16.18 BBDC	3.65 BTDC	25.02
	0.100	188.03	13.93 BBDC	5.90 BTDC	24.70
	0.150	165.61	2.71 BBDC	17.10 BTDC	23.40
	0.200	142.71	8.80 ABDC	28.49 BTDC	21.39
	0.250	116.27	22.16 ABDC	41.56 BTDC	18.41
	0.300	82.10	39.43 ABDC	58.47 BTDC	13.69
	0.348	--- PEAK CAM LIFT ---			

### Dowel Pin location:

	Cylinder 1 lobes	Cylinder 2 lobes	Cylinder 3 lobes	Cylinder 4 lobes
Intake	80.0 degrees BTDC	10.0 degrees ATDC	10.0 degrees ABDC	80.0 degrees BTDC
Exhaust	80.0 degrees ATDC	10.0 degrees BBDC	10.0 degrees BTDC	80.0 degrees ABDC

### Base Circle Radius:

	Minimum	Maximum
Intake	1.402 inches	1.419 inches
Exhaust	1.408 inches	1.425 inches

### Tolerances:

Duration at the seat (0.0" - 0.02")	2.5 degrees
Duration on flank (0.021" lift - 0.1" before max. lift)	1.5 degrees
Duration over nose	3.5 degrees
Peak lift	0.003 inches
Dowel pin location	2.0 degrees

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