

FORD RACING CAMSHAFTS

The Ford Racing Camshaft Specification chart describes individual cams and cam kits currently available from Ford Racing. Refer to page 223 for performance characteristics and usage guidelines. See page 92 for valve springs.

FORD RACING CAMSHAFT SPECIFICATIONS

PART NUMBER	ENGINE	ROCKER RATIO	LIFTER TYPE	LIFTER LASH (IN.)	INTAKE EVENTS (0.050")		EXHAUST EVENTS (0.050")		DURATION (SAE)		LIFT (INCHES)		LOBE CENTER	
					OPEN	CLOSE	OPEN	CLOSE	INT.	EXH.	LOBE	VALVE	INT.	EXH.
M-6250-A311*	289/302	1.60	Hydraulic	-	5° ATC	29° ABC	44° BBC	10° BTC	280°	290°	.280 I	.448 I	107°	117°
									204°	214°	.295 E	.472 E		
M-6250-A312*	289/302	1.60	Hydraulic	-	0° BTC	34° ABC	49° BBC	5° BTC	290°	300°	.295 I	.472 I	107°	117°
									214°	224°	.310 E	.496 E		
M-6250-B303*	1985 and Later 302 Roller Cam	1.60	Hydraulic Roller	-	5° BTC	39° ABC	49° BBC	5° BTC	284°	284°	.300 I	.480 I	107°	117°
									224°	224°	.300 E	.480 E		
M-6250-E303	1985 and Later 302 Roller Cam	1.60	Hydraulic Roller	-	0° BTC	40° ABC	40° BBC	0° BTC	282°	282°	.311 I	.498 I	110°	110°
									220°	220°	.311 E	.498 E		
M-6250-F303*	302/351	1.60	Hydraulic Roller	-	4° BTC	42° ABC	52° BBC	6° BTC	288°	288°	.320 I	.512 I	109°	119°
									226°	226°	.320 E	.512 E		
M-6250-X303*	1985 and Later 302 Roller Cam	1.60	Hydraulic Roller	-	5° BTC	39° ABC	49° BBC	5° BTC	286°	286°	.339 I	.542 I	107°	117°
									224°	224°	.339 E	.542 E		
M-6250-Z303*	1985 and Later 302 Roller Cam	1.60	Hydraulic Roller	-	7° BTC	41° ABC	51° BBC	3° ATC	290°	290°	.345 I	.552 I	107°	117°
									228°	228°	.345 E	.552 E		
M-6250-A332*	351W	1.60	Hydraulic	-	0° BTC	34° ABC	49° BBC	5° BTC	290°	300°	.295 I	.472 I	107°	117°
									214°	224°	.310 E	.496 E		
M-6250-A351*	351W	1.60	Hydraulic	-	9° BTC	47° ABC	62° BBC	4° ATC	296°	306°	.325 I	.520 I	109°	119°
									236°	246°	.336 E	.538 E		
M-6250-A443*	429/460	1.73	Hydraulic	-	10° BTC	44° ABC	59° BBC	5° ATC	300°	310°	.325 I	.562 I	107°	117°
									234°	244°	.340 E	.588 E		
M-6250-A460*	429/460	1.73	Hydraulic	-	1° ATC	37° ABC	49° BBC	10° BTC	288°	292°	.285 I	.493 I	109°	120°
									216°	220°	.290 E	.502 E		
M-6250-C460*	429/460	1.73	Hydraulic	-	16° BTC	48° ABC	61° BBC	13° ATC	310°	320°	.340 I	.588 I	106°	114°
									244°	254°	.354 E	.614 E		
M-6250-A514*	514	1.73	Mechanical Roller	-	20° BTC	54° ABC	66° BBC	12° ATC	304°	308°	.374 I	.647 I	107°	117°
									254°	258°	.374 E	.647 E		

NOTE: Camshaft intake and exhaust valve events are measured at 0.050" tappet lift. The duration figures in the shaded area are taken at 0.050" tappet lift. This is useful to check the cam with a degree wheel during installation. The solid color is advertised duration. For comparison purposes, add intake and exhaust lobe centers and divide by 2 to calculate "camshaft centerline" specification for Ford Racing camshafts. Refer to appropriate engine section for additional details.

Did you know...

351W blocks that are roller cam compatible have the casting number F4TE. It is located near the starter. If your block is not roller ready, conversion lifter part number M-6500-S58 will allow you to use a hydraulic roller cam in a non-roller 289/302/351W block.

Did you know...

The first year of a hydraulic roller cam in a 302 was 1985.



See page 79 for "Checking Camshaft Timing" article.