



Camshaft for Evolution



VT No.	Year	Application Hydraulic	P/N	Duration @ .053		Valve Lift		Valve Timing Open/Close		Lift @ TDC	
				Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust
10-5000	84-99	Good for stock replacement	EVL2000	220	214	.480"	.456"	2/38	35/1	.059"	.049"
10-5001	84-99	Good for two-up riding and pulling trailers	EVL3000	224	224	.500"	.500"	10/34	34/10	.080"	.080"
10-5002	84-99	Good low end torque and midrange in stock motor	EVL3010	234	234	.500"	.500"	15/39	39/15	.096"	.096"
10-5003	84-99	Strong midrange pipes, carburetor	EVL3020	240	240	.500"	.500"	18/42	42/18	.106"	.106"
10-5004	84-99	Strong midrange good roll-on in high gear. Carburetor, pipes and headwork	EVL3030	240	240	.530"	.530"	16/44	44/16	.099"	.099"
10-5039	84-99	Mild performance in light bike. Pulls hard through power range. Need carb pipes and valve springs.	EVL3040	242	242	.510"	.510"	17/45	50/22	.101"	.117"
10-5006	84-99	Good performance with carburetor, pipes and springs. More top end.	EVL3050	252	252	.510"	.510"	22/50	50/22	.117"	.117"
10-5008	84-99	Hot streets/strip cam. Recommended for big inch motors. Must increase compression. Valve springs, headwork, carburetors and pipes a must. 7,000 RPM.	EVL3070	270	274	.608"	.608"	29/61	63/31	.144"	.149"

V-Thunder by Comp Cams X-Treme Energy Cams for 1984-99 Evolution Big Twins are designed to maximize torque, acceleration and throttle response while providing excellent high RPM horse power.

VT No.	Application	Duration @ .053		Valve Lift		Valve Timing Open/Close		Lift@TDC	
		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust
10-5038	For serious power in 88 cubic inch and up with 10.5:1 compression.	268	272	.601	.601	32/56	64/28	.263	.240



1984-99 Cam for Evolution



VT No.	Duration .053"		Gross Valve Lift		Series Grind#	Type and Application
	Open/Close		Int.	Exh.		
	Int.	Exh.	Int.	Exh.		
10-8255	226 12/34	236 41/15	.490 ^a	.490 ^a	Hydraulic Fire Ball 300-2B	Hydraulic Bolt-in. Broad power range for streetable performance. Works well with stock compression ratio and stock exhaust. No spring change required. Basic RPM idle-4000. Does not have multi-index gear. Cam lift at TDC: Intake: .094" Exhaust: .093".* Replaces EV-13.
10-8535	236 16/40	242 43/19	.490 ^a	.490 ^a	Hydraulic Fire Ball 310-2	Hydraulic Bolt-in Street performance for heavier bikes that are slightly modified. Can be used with stock compression or increased up 9.5:1. Complements exhaust and intake modifications. No spring change required. Basic RPM 1500-4500. Replaces EV-3. Cam lift at TDC: Intake: .101" Exhaust: .114".*
10-4386	242 19/43	252 48/24	.490 ^a	.490 ^a	Hydraulic Fire Ball 316-2B	Hydraulic Bolt-in designed for speed or touring. Works well with engine modifications. Works best with 9.5:1 compression ratio. Early Evolution's that do not have notched pistons must be checked for valve to piston clearance. Basic RPM 2000-5000. Replaces EV-35. Cam lift at TDC: Intake: .110" Exhaust: .127".*

Note: ^a Gross Valve lift for Evolution with 1.6 Rocker Arm Ratio.

To convert cam lift to valve lift, multiply the cam lift figure by the Rocker Arm Ratio: Evo-1.6