



# Sifton Cams

For Identification check these applications:  
1987-99 Evolution

Sifton Stock Cams are replica type. Also available with matching pinion gear.

Cam	Cam Kit	OEM	Fits
—	10-8207	24582-83A	1984-86 Ev (OE)
—	10-8188	24582-88	1987-90 Ev (OE)
10-8172	—	24582-88	1987-90 Ev



### For Big Twins

VT No.	Year	Cam	Degrees	At .053	Lift	TDC	Travel to	Free
For 1987-99 Evolution								
10-0621		140 Ev	Open	Closes	Total	TDC	Coil Bind	Travel
		Inlet	30	42	.450	.222	.480	.530
		Exhaust	55	27	.450	.177	.480	.530

Viper (146 Ev) Cam delivers excellent performance throughout the RPM range. Bolt in street cam with first open & close ramps.

10-8182	1987-99	495	20° 44°	36° 16°	.495	.236 .240
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## 1984-99 Evo Cams



Duration .053" Gross Valve Lift Open/Close						
VT No.	Int.	Exh.	Int.	Exh.	Series Grind#	Type and Application
10-8255	226 12/34	236 41/15	.490 <sup>a</sup>	.490 <sup>a</sup>	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: Int: .094" Exh.: .093".* Replaces EV-13.
10-8535	236 16/40	242 43/19	.490 <sup>a</sup>	.490 <sup>a</sup>	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: Int: .101" Exh.: .114".*
10-4386	242 19/43	252 48/24	.490 <sup>a</sup>	.490 <sup>a</sup>	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 Evo'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: Int: .110" Exh.: .127".*
10-4387	252 24/48	262 57/25	.490 <sup>a</sup>	.490 <sup>a</sup>	Hydraulic Fire Ball 326-2	Hydraulic-Performance Cam. Mid-range & upper RPM improvement. Works best with 10:1 comp. ratio. Works well with performance carb & exhaust. Excellent for modified touring bikes. May require valve spring change. Check all clearances. Basic RPM 2500-5500. Replaces EV-5. Cam lift at TDC: Int: .125" Exh.: .129".*
10-4377	242 19/43	252 48/24	.490 <sup>a</sup>	.490 <sup>a</sup>	Hydraulic Hi-Roller H286-2B	Hydraulic-Bolt-in for speed or touring. Works well with engine modifications. Works best with 9.5:1 comp. ratio. Does not require valve spring change. Early Evo's that do not have notched pistons must be checked for valve to piston clearance. Basic RPM 2000-5000. Cam lift at TDC: Int: .110" Exh.: .127".*
10-4378	252 24/48	262 57/25	.490 <sup>a</sup>	.500 <sup>a</sup>	Hydraulic Hi-Roller H296-2	Hydraulic-Performance Cam. Mid-range and upper RPM improvement. Works best with 10:1 compression ratio and performance carb and exhaust. Excellent for modified touring bikes. May require valve spring change. Check all clearances. Basic RPM 2500-5500. Cam lift at TDC: Int: .125" Exh.: .129".*
10-4379	262 28/54	272 69/23	.500 <sup>a</sup>	.510 <sup>a</sup>	Hydraulic Hi-Roller H306-2	Hydraulic-Performance Cam. Mid-range and upper RPM power. Works best with 10.5:1 compression ratio. Can be used with stock heads. Clearancing and valve spring change required. Excellent stroker cam. Basic RPM 3000-6000. Cam lift at TDC: Int: .140" Exh.: .122".*
10-4388	266 23/63	276 68/28	.550 <sup>a</sup>	.550 <sup>a</sup>	Hydraulic Hi-Roller H310-2	Hydraulic-Performance Cam. Designed for larger cubic inch and decreased compression ratios. Street-strip type performance 88cu. in., 10.5:1 compression ratio and up. Heads must be clearanced and have performance valve springs installed. Basic RPM depends on the combination, approximately 3000-6500. Cam lift at TDC: Int: .143" Exh.: .143".*

### CAMS for Big Inch Motors (Head Machining Required)

10-8169	240 17/43	248 45/23	.581	.581	Hydraulic Hi-Roller H290-2	Hydraulic-Performance Cam is designed for stock cubic inch Evo's that have increased compression and/or performance head work. Must have the heads clearanced for .581" lift. Will produce strong low- and mid-range power with appropriate intake, heads and exhaust. Up to 88cu. in. Basic RPM depends on the combination, approximately 1800-5200 RPM.
10-8170	254 24/50	260 55/25	.600	.600	Hydraulic Hi-Roller H304-2	Hydraulic-Performance Cam designed for higher compression and/or increased cubic inch Evo's that have performance heads. Clearancing and valve spring change required for .600" lift. Produces strong mid-range power in a stock cubic inch bike. Basic RPM depends on the combination, between 2500-5800 RPM.
10-8171	260 26/54	266 65/21	.600	.600	Hydraulic Hi-Roller H314-2	Hydraulic-Performance Cam. Street-strip type performance for large cubic inch bikes with performance heads. Produces broad power range. Clearancing and valve spring change required for .600" lift. Basic RPM 2800-6000.

#### Note:

<sup>a</sup> Gross Valve lift for Evo 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