

10-2651



Evo Cams 1984-99



For a better street cam for a stock motor, a big lift cam for a dragster or in between, Andrews Products can supply it. All cams are computer designed and precision ground from alloy steel billets.

Andrews Engine Cams for Evo. EV series cams are designed to maximize Evo motor performance while retaining hydraulic lifters. Both cams offered bolt in with no head work in most cases. Note Shovelhead and V2 cams are not interchangeable.

VT No.	Grind	Timing*	Duration	Lift	Springs	Application
—	Stock 89-91	01/37 53/01	218 232	.495 .495	STOCK	Listed for comparison. 1984-87 cam is 212° intake 202° exhaust .472" lift on both valves.
—	Stock 92-95	-02/30 31/-09	208 202	.472 .472	STOCK	Listed for comparison. 92 cam very close to 84-87 specs. California cams are approximately 178° duration.
10-1171	EV13	15/31 45/13	226 238	.485 .495	STOCK	Bolt-in cam for street or touring with more mid range and upper end power more power than stock EV cam.
10-1123	EV23	10/30 40/8	220 228	.498 .498	STOCK	Bolt-in cam. Crisp throttle response and strong pulling power from from 1500 to 6000 RPM.
10-2651	EV3	21/37 43/15	238 238	.495 .495	STOCK	Bolt-in cam for light bikes (FXRS, etc). More mid range power. Idle smoothness unaffected. This is a 6000 RPM cam for stock heads and springs with hydraulic lifters.
10-1180	EV27	20/36 44/16	236 240	.495 .495	STOCK	Bolt in street cam with fast open and close ramps. Similar timing to EV3 but designed to produce a broad torque band. Pulls 1500-6000.
10-1146	EV46	25/41 49/17	246 246	.495 .495	STOCK	Bolt in performance with fast open & close ramps. Similar to EV3 but higher static compression pressure for 6000+ RPM with stock heads and hydraulic lifters.
10-1183	EV51	28/44 54/22	252 256	.510 .510	STOCK	Easy installation with longer duration for modified street engines with hydraulic lifters. Power range from 3000-6500 RPM.
10-1181	EV59	28/48 56/24	256 260	.560 .560	HI-LIFT	Updated EV57, fast ramps for modified 80-88" motors. Use with AP springs and collars. Broad power band; 6000 RPM, ok for hyd lifters.
10-1182	EV72	30/54 60/28	264 268	.560 .560	HI-LIFT	Updated EV7, for 92" + Street. Use with Andrews springs & titanium collars. Broad power band; 2800-6000 RPM, ok for hydraulic lifters.

*Note: Timing measured at .053 cam lift.



S&S Performance Camshafts

10-5075



VT No.	Cam Name	Application	Valve Timing * Intake Open/Close	Valve Timing * Exhaust Open/Close	Valve Duration Intake	Valve Duration Exhaust	Valve Lift 1/2	Lift @ TDC + Intake	Lift @ TDC + Exhaust	Requirements Spring Spacing	Requirements Lifter Type
10-5075	S&S 502	Best bolt in 80" cam. Great with any heads.	28°/40°	50°/24°	248°	254°	.500"	.225"	.221"	No	Hyd.
10-5049	S&S 520	Engines to 96" w/8.5 to 10:1 CR. Good low end mid range	0°/40°	50°/2°	220°	232°	.520"	.086"	.094"	Yes	Hyd.
10-5053	S&S 546	For 4" Bore Engines 9.1:1 to 10.1:1 CR	5°/55°	52°/5°	240°	237°	.546"	.126"	.106"	Yes	Hyd.
10-5076	S&S 561	Best cam for 80" to 93" 9.5:1+ CR engines.	32°/40°	50°/26°	252°	256°	.560"	.252"	.210"	Yes	Hyd.
10-5057	S&S 563	103"+ street/race cam. Strong top end. Good starting. Higher CRs.	32°/64°	64°/32°	276°	276°	.560"	.250"	.220"	Yes	Solid or Hyd.
10-5054	S&S 585V	80" to 96" Engines 10:1-10.5:1 CR	20°/45°	60°/20°	245°	260°	.585"	.186"	.180	Yes	Hyd.
10-5055	S&S 600	80" to 96" Engines 10.5:1-11:1 CR	20°/55°	60°/20°	255°	260°	.600"	.218"	.198"	Yes	Hyd.
10-5080	S&S 631	Hottest V2 high rpm cam. Harder on valve train.	34°/61°	66°/29°	275°	276°	.630"	.281"	.221"	Yes	Solid or Hyd.
10-5056	S&S 640	Big Inch Engines 10.5-11:5.1	26°/50°	65°/20°	265°	265°	.640"	.222"	.192"	Yes	Hyd.

*Note: Timing designation is function of zero lash @ .053" off base circle.

+Lifts at TDC are measured at the valve and are for reference only. Overlap valve lifts must be checked on assembled motor. Minimum valve to valve clearance of .040" is recommended.



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
10-0621	1987-99 Evolution	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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