

10-2651



ANDREWS Cam for 1984-99 Evolution



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 Evolution. Evolution series cams are designed to maximize Evolution motor performance while retaining hydraulic tappets. 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	01/37	218	.495	STOCK	Listed for comparison. 1984-87 cam is 212° intake 202° exhaust .472" lift on both valves.
—	89-91	53/01	232	.495		
—	Stock	-02/30	208	.472	STOCK	Listed for comparison. 92 cam very close to 84-87 specs. California cams are approximately 178° duration.
—	92-95	31/-09	202	.472		
10-1171	EV13	15/31	226	.485	STOCK	Bolt-in cam for street or touring with more mid range and upper end power more power than stock EV cam.
		45/13	238	.495		
10-1123	EV23	10/30	220	.498	STOCK	Bolt-in cam. Crisp throttle response and strong pulling power from 1500 to 6000 RPM.
		40/8	228	.498		
10-2651	EV3	21/37	238	.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 tappets.
		43/15	238	.495		
10-1180	EV27	20/36	236	.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.
		44/16	240	.495		
10-1146	EV46	25/41	246	.495	STOCK	Bolt-in performance with fast open and close ramps. Similar to EV3 but higher static compression pressure for 6000+ RPM with stock heads and hydraulic tappets.
		49/17	246	.495		
10-1183	EV51	28/44	252	.510	STOCK	Easy installation with longer duration for modified street engines with hydraulic tappets. Power range from 3000-6500 RPM.
		54/22	256	.510		
10-1181	EV59	28/48	256	.560	HI-LIFT	Updated EV57, fast ramps for modified 80-88" motors. Use with AP springs and collars. Broad power band; 6000 RPM, okay for hydraulic tappets.
		56/24	260	.560		
10-1182	EV72	30/54	264	.560	HI-LIFT	Updated EV7, for 92" + Street. Use with Andrews springs and titanium collars. Broad power band; 2800-6000 RPM, okay for hydraulic tappets.
		60/28	268	.560		

*Note: Timing measured at .053 cam lift.



S&S Performance Camshaft

10-5075



VT No.	Cam Name	Application	Valve Timing * Intake	Valve Timing * Open/Close	Valve Timing * Exhaust	Valve Timing * Open/Close	Valve Duration Intake	Valve Duration Exhaust	Valve Lift V2	Lift @ TDC + Intake	Lift @ TDC + Exhaust	Requirements Spring Spacing	Requirements Tappet Type
10-5049	S&S 520	Engines to 96" with 8.5 to 10:1 Comp ratio. Good low end mid range	0°/40°	50°/2°	220°	232°	.520"	.086"	.094"	Yes	Hydraulic		
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	Hydraulic		
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	Hydraulic		
10-5054	S&S 585V	80" to 96" Engines 10:1-10.5:1 Comp Ratio	20°/45°	60°/20°	245°	260°	.585"	.186"	.180"	Yes	Hydraulic		
10-5055	S&S 600	80" to 96" Engines 10.5:1-11:1 Comp Ratio	20°/55°	60°/20°	255°	260°	.600"	.218"	.198"	Yes	Hydraulic		
10-5056	S&S 640	Big Inch Engines 10.5-11:5.1	26°/50°	65°/20°	265°	265°	.640"	.222"	.192"	Yes	Hydraulic		

*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 engine. Minimum valve to valve clearance of .040" is recommended.



Sifton Cam

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
—	10-8188	24582-88	1987-90 Evolution (OE)
10-8172	—	24582-88	1987-90 Evolution



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 Evolution) Cam delivers excellent performance throughout the RPM range. Bolt in street cam with first open & close ramps.									
	10-8182	1987-99	495	20°	36°	.495	.236		
				44°	16°		.240		