

COMP Cams® Small-Block Ford Hydraulic-Roller Camshafts

Olive Branch, MS — COMP Cams® is expanding its legendary camshaft lineup with six new hydraulic-roller camshafts for Small-Block Ford engines, now available in the Xtreme Energy™, Thump'r™, and Mutha' Thump'r™ series. Designed for performance street builds, these new camshafts deliver improved power, drivability, and ease of installation for pre-1985 Ford applications.

Each of the new camshafts features full-size base circles, allowing seamless compatibility with COMP Cams Evolution hydraulic roller tappets. This innovative design eliminates the need for dog bones and lifter retainers—components that were never intended for earlier Small-Block Ford engines—resulting in a clean, bolt-in installation. These camshafts pair perfectly with an appropriately sized Edelbrock carburetor or the Edelbrock EZ-Street EFI system, making them a versatile choice for a wide range of performance builds.

The Xtreme Energy™ series features quicker opening lobe profiles, delivering increased responsiveness, more vacuum at idle, and a larger area under the curve compared to the High Energy designs they replace. These cams provide excellent street manners while significantly boosting low- and mid-range power.

For enthusiasts seeking an aggressive idle and maximum street presence, the Thump'r™ and Mutha' Thump'r™ series deliver. By opening the intake valve early and extending exhaust duration, these camshafts create optimum overlap for a powerful, hard-hitting exhaust note along with excellent horsepower and a broad torque curve, which is ideal for muscle cars and street rods. For best performance, COMP recommends pairing these cams with a properly matched TCI® torque converter and a higher rear gear ratio.

Each camshaft is available individually or as part of a CL kit, which includes lifters, or a K kit, which adds a timing chain set, valve springs, retainers, valve locks, and pushrods—providing a complete, matched valvetrain solution in one package.

Whether the goal is budget-friendly power for passenger cars, trucks, tow vehicles, and RVs, or a performance-focused street build with attitude, these new COMP Cams® hydraulic-roller camshafts offer a simple bolt-on solution for Small-Block Ford enthusiasts.



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FOR IMMEDIATE RELEASE

PART NUMBER	APPLICATIONS/CAMSHAFTS	VALVE SETTINGS		RPM RANGE	DURATION ADVERTISED @ .050"				VALVE LIFT W/1.6 ROCKER		LOBE SEP. ANGLE
		INT	EXH		INT	EXH	INT	EXH	INT	EXH	
31-491-9	CAMSHAFT, FS XTREME ENERGY 258 HR10 - Stage 1 Very strong torque, excellent for heavy vehicle. Smooth idle. Works best with Edelbrock Performer Intake Manifold & TCI Street Rodder Torque Converter, or stock torque converter.	HYD	HYD	1200 to 4800	258	266	206	212	.480"	.480"	110
31-492-9	CAMSHAFT, FS XTREME ENERGY 264 HR10 - Stage 2 Mild performance applications, Improvement in midrange TQ & HP. Works well with Edelbrock Performer Intake Manifold & TCI Saturday Night Special Torque Converter, 1600 to 1800 stall.	HYD	HYD	1500 to 5500	264	272	212	218	.514"	.509"	110
31-493-9	CAMSHAFT, FS XTREME ENERGY 270 HR10 - Stage 3 Improved midrange, noticeable idle note. Works well with Edelbrock Performer RPM Intake Manifold & TCI Saturday Night Special Torque Converter, 1600 to 1800 stall.	HYD	HYD	1800 to 5800	270	278	218	224	.514"	.509"	110
31-494-9	CAMSHAFT, FS XTREME ENERGY 276 HR10 - Stage 4 Great for street achines, best with Edelbrock RPM Air Gap intake, header upgrade, TCI Breakaway Torque Converter, 2200 to 2400 stall, 3.73 gear ratio, rough idle.	HYD	HYD	2000 to 6000	276	284	224	230	.514"	.509"	110
31-600-9	CAMSHAFT, FS 283TH HR07 THUMPR - High performance street, aggressive idle quality. Works well with Edelbrock RMP Air Gap Intake Manifold & TCI Saturday Night Special Torque Converter.	HYD	HYD	1900 to 5600	283	303	227	241	.531"	.515"	107
31-601-9	CAMSHAFT, FS 291TH HR07 MUTHA' THUMPR - High performance street strip, 9:1 compression ratio, headers. Works well with Edelbrock RPM Air Gap Intake Manifold & TCI Breakaway Torque Converter.	HYD	HYD	2200 to 5900	291	311	235	249	.541"	.526"	107

Quick Facts

Product: COMP Cams® Small-Block Ford Hydraulic-Roller Camshafts

Part Number: See Chart

UPP Price: See Website

Social Media Pitch: COMP Cams® introduces **six new hydraulic-roller camshafts** for Small-Block Ford engines, available in the Xtreme Energy™, Thumpr™, and Mutha' Thumpr™ series. Featuring full-size base circles, these cams work seamlessly with Evolution hydraulic roller tappets, eliminating the need for dog bones and lifter retainers on pre-1985 engines. Designed for street performance, they deliver improved low- and mid-range power with simple, bolt-in installation.

Features & Benefits:

- **Full-Size Base Circles** – Direct fit with Evolution hydraulic roller tappets; no retrofit hardware needed
- **Xtreme Energy Series** – Quicker lobe profiles for more power, better throttle response, and increased vacuum at idle
- **Thumpr & Mutha' Thumpr** – Aggressive idle, broad torque curve, and powerful exhaust note for street performance
- **Complete Kits Available** – Choose from CL (cam + lifters) or K kits (adds timing set, springs, retainers, locks, pushrods)

About COMP Cams

For more information about COMP Cams® and other Edelbrock Group® companies, visit www.edelbrockgroup.com.

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