

### THUMPR™ HYD. FLAT TAPPET CAMSHAFTS FOR SMALL BLOCK FORD WINDSOR, '69-'95\*

APPLICATION / CAMSHAFTS	VALVE SETTING		RPM OPERATING RANGE	CAMSHAFT PART NUMBER	CAM GRIND NUMBER	DURATION		VALVE LIFT		LOBE SEP. ANGLE		
	IN.	EX.				IN.	EX.	IN.	EX.			
THUMPR™ – High performance street, stock converter ok, best with 2000+ converter and gears, choppy/thumping idle	Hyd	Hyd	2000 to 5800	35-600-4	279THF7	279	297	227	241	.490	.475	107°
MUTHA' THUMPR™ – High performance street/strip, needs 9:1 CR, 2500+ stall, intake, gears, and headers, rough idle	Hyd	Hyd	2200 to 6100	35-601-4	287THR7	287	305	235	249	.501	.486	107°
BIG MUTHA' THUMPER™ – Street/strip, needs 9.5:1 CR, 2800+ stall, intake, gears, & headers, very rough idle	Hyd	Hyd	2500 to 6400	35-602-4	295THR7	295	313	243	257	.512	.498	107°

**\*TECH NOTE:** Fits all Small Block Ford Windsor '62-'95 – those that came with factory hydraulic roller valve trains and those that came with flat tappet valve trains; utilizes 5.0/351W firing order: 1-3-7-2-6-5-4-8. Also compatible with Ford 221-302 '63-'95, please consult CAM HELP® technician for special installation instructions.

### THUMPR™ HYD. FLAT TAPPET CAMSHAFTS FOR SMALL BLOCK CHRYSLER 273-360, '64-'92\* (LONG SNOOT)

APPLICATION / CAMSHAFTS	VALVE SETTING		RPM OPERATING RANGE	CAMSHAFT PART NUMBER	CAM GRIND NUMBER	DURATION		VALVE LIFT		LOBE SEP. ANGLE		
	IN.	EX.				IN.	EX.	IN.	EX.			
THUMPR™ – High performance street, stock converter ok, best with 2000+ converter and gears, choppy/thumping idle	Hyd	Hyd	2000 to 5800	20-600-4	279THF7	279	297	227	241	.486	.473	107°
MUTHA' THUMPR™ – High performance street/strip, needs 9:1 CR, 2500+ stall, intake, gears, and headers, rough idle	Hyd	Hyd	2200 to 6100	20-601-4	287THR7	287	305	235	249	.497	.483	107°
BIG MUTHA' THUMPER™ – Street/strip, needs 9.5:1 CR, 2800+ stall, intake, gears, & headers, very rough idle	Hyd	Hyd	2500 to 6400	20-602-4	295THR7	295	313	243	257	.507	.494	107°

**\*TECH NOTE:** These cams are only for use with the single shaft mount rocker arm cylinder head; they are not compatible with the '92-'02 Magnum head pedestal or stud mount rocker arms

## Pro Plasma™ Nitriding

COMP Cams® is the only aftermarket valve train company in America that owns and operates a Pro Plasma™ Nitriding Service, having invested in this leading edge technology process. Nitriding is recognized by metallurgists worldwide as the best way to increase the hardness and lubricity of flat tappet cams to enhance break-in and durability. Pro Plasma™ Nitriding is a patented process that uses pulsed nitrogen plasma to infuse nitrogen ions into the steel – strengthening and fortifying the metal on a molecular level.

Now available for any COMP Cams® flat tappet camshaft or lifters, this added service has been proven to deliver unmatched wear resistance and uniform case hardness. With the Pro Plasma™ Nitriding Service located in our Memphis, TN manufacturing facility, COMP Cams® is able to offer fast turnaround time while once again proving our commitment to delivering the most advanced valve train products available. Don't get blinded by shiny surface finishing or heat-treating – nitriding has been race-proven around the world and documented to deliver superior results.



DESCRIPTION	PART NO.
Camshaft Nitriding	1-111-1