

# Camcraft Flat Tappet CAMSHAFTS

## Hydraulic and Mechanical

We are proud to introduce you to Camcraft's flat tappet cam profiles. These are our own state of the art computer designs. Camcraft has retained a world renown camshaft design consultant with over 50 years experience to develop these profiles, featuring large nose radius, maximum velocity, high opening acceleration, lower closing acceleration, and very low jerk values. These are tight lash, mechanical lifter profiles. They were designed to permit the use of hydraulic lifters where required by class rules. There are profiles for .842, .874 & .904 lifters

The masters for these profiles were made directly from 8 place design data on a \$800,000.00 Landis CNC cam grinder, thus eliminating the errors and design corruption

found in most models and masters. They are primarily aimed at 1/4 to 5/8 mile oval track and bracket racing with rpm ranges up to 73-7600. These proven designs have a very successful history over the past years especially in the NASCAR LMS and SK Modified cars. They have a very long flat torque curve, offer very good valve train life, and they are very responsive to lash changes. Camcraft delivers the **POWER** to run up front with the **RELIABILITY** to finish the race.

These profiles are also popular with Bracket Racers who choose not to run Roller cams. The broad torque curves launch the car very hard and still pull better MPH

### XTL series of flat tappet profiles; .842 lifters 28° Major Intensity

	<b>.020 Dur.</b>	<b>.050 Dur.</b>	<b>.200 Dur.</b>		Cam lift		<b>1.5 lift</b>		<b>1.6 lift</b>		<b>1.7 lift</b>
	266	238	149		.333		.500		.533		.566
	270	242	153		.340		.510		.544		.578
	272	244	155		.343		.515		.549		.583
	274	246	157		.346		.520		.555		.588
	276	248	159		.350		.525		.560		.595
	278	250	161		.353		.530		.565		.600
	280	252	163		.356		.535		.571		.605
	282	254	165		.360		.540		.576		.612
	284	256	167		.363		.545		.581		.617
	286	258	169		.366		.550		.587		.622
	288	260	171		.370		.555		.592		.629
	290	262	173		.373		.560		.597		.634
	294	266	177		.380		.570		.608		.646
	298	270	181		.386		.580		.624		.656
	302	274	185		.393		.509		.629		.668
	308	280	194		.403		.606		.645		.685

Jobber price is \$195.00 to \$235.00 for most applications

### XCR Profiles 28° mi slightly more lift than XTL Same ramps

	<b>.020 Dur.</b>	<b>.050 Dur.</b>	<b>.200 Dur.</b>		Cam lift		<b>1.5 Lift</b>		<b>1.6 Lift</b>		<b>1.7 Lift</b>
	268	240	152		.340		.510		.544		.578
	272	244	157		.346		.520		.544		.588

## XTLS Profiles 28° mi Lower lift for use with high ratio rockers or lift rules

	.020 Dur.		.050 Dur.		.200 Dur.		Cam lift		1.5 Lift		1.6 Lift		1.7 Lift
	258		230		140		.323		.485		.516		.549
	262		234		144		.323		.485		.516		.549
	266		238		148		.323		.323		.516		.549
	268		240		150		.323		.485		.516		.549
	270		242		152		.323		.485		.516		.549
	272		244		154		.323		.485		.516		.549
	274		246		156		.323		.485		.516		.549
	278		250		159		.323		.485		.516		.549
	270		242		153		.337		.506		.540		.572
	274		246		157		.337		.506		.540		.572
	278		250		160		.337		.506		.540		.572
	284		256		166		.337		.506		.540		.572
	290		262		169		.337		.506		.540		.572

## XTLE Profiles 22° major intensity!! Very aggressive! .012/.014 lash

Not best for high rpm **Must use best top quality springs!**

	.020 Dur.		.050 Dur.		.200 Dur.		Cam lift		1.5 Lift		1.6 Lift		1.7 Lift
	260		238		150		.324		.486		.518		.550
	262		240		153		.322	B a i l Nose	.483		.515		.547
	264		242		154		.324		.486		.518		.550
	268		246		157		.324		.486		.518		.550
	258		236		149		.332		.498		.531		.564
	262		240		154		.340		.510		.544		.578
	266		244		157		.344		.516		.550		.585

## XTLP Profiles Same ramps as SXTL 26° mi

	.020 Dur.		.050 Dur.		.200 Dur.		Cam lift		1.5 Lift		1.6 Lift		1.7 Lift
	258		232		144		.324		.486		.518		.550

**Jobber price is \$195.00 to \$245.00 for most applications**

## XTLZ Profiles .842 profiles Lower lift for use with high ratio rockers or for lift rules. Needs good springs! 24° major intensity. Newest designs!

	.020 Dur.		.050 Dur.		.200 Dur.		Cam lift		1.5 lift		1.6 lift		1.7 lift
NEW	262		238		150		.333		.500		.533		.566
	264		240		152		.333		.500		.533		.566
#NEW	264		240		153		.341		.510		.545		.580
	266		242		154		.333		.500		.533		.566
	268		244		156		.333		.500		.533		.566
	270		246		158		.333		.500		.533		.566
NEW	274		250		162		.333		.500		.533		.566

## # Higher lift

**SXTL Profiles** .842 lifters. Very aggressive opening ramp with XTL closing ramp. **26° mi Very stable,**  
**Good quality valve springs a must.**

	.020 Dur.	.050 Dur.	.200 Dur.	Cam lift	1.5 Lift	1.6 Lift	1.7 Lift
	260	234	150	.333	.500	.533	.566
	262	236	148	.336	.504	.537	.571
	264	238	150	.340	.510	.544	.578
	266	240	152	.343	.515	.548	.583
	268	242	154	.346	.520	.553	.588
	272	246	158	.353	.530	.564	.601
	276	250	162	.360	.540	.576	.612
	280	254	166	.367	.550	.587	.622

Recommended valve lash is .012/ .014 with a max of .018

**XTLF Profiles** .874 profiles **28° mi**

	.020 Dur.	.050 Dur.	.200 Dur.	Cam lift	1.5 lift	1.6 lift	1.7 lift
	264	236	150	.340	.510	.544	.578
	268	240	154	.347	.521	.555	.590
	272	244	158	.353	.530	.565	.600
	276	248	162	.360	.540	.576	.612
	280	252	166	.367	.551	.587	.624
	284	256	170	.373	.560	.597	.634
	288	260	173	.362	.543	.578	.615

**Jobber price is \$195.00 to \$245.00 for most applications**

**XTLFS Profiles** .874 profiles 28° mi Lower lift; use with high ratio rockers or for lift rules

	.020 Dur.	.050 Dur.	.200 Dur.	Cam Lift	1.5 Lift	1.6 Lift	1.7 Lift
28°MI	266	238	148	.323	.485	.516	.549
28°MI	270	242	153	.323	.485	.516	.549
28°MI	268	240	152	.296	.444	.473	.503

**XTLC Profiles** .904 Profiles (Enough nose radius for SBC cams) **27° mi**

	.020 Dur.	.050 Dur.	.200 Dur.	Cam Lift	1.5 Lift	1.6 Lift	1.7 Lift
	261	234	150	.339	.508	.542	.576
	263	236	152	.341	.511	.545	.580
	265	238	154	.344	.516	.550	.584
	267	240	156	.346	.520	.553	.588
	269	242	158	.349	.523	.558	.593
	269	242	158	.353	.530	.565	.600
	271	244	160	.352	.528	.563	.598

273		246		162		.355		.532		.568		.603
275		248		164		.357		.535		.571		.607
277		250		166		.360		.540		.576		.612
279		252		170		.363		.545		.580		.617
281		254		172		.365		.548		.584		.620

**XTLDC Profiles .904 Profiles (Dwell@ max lift) 27° mi \* (masters done)**

<b>.020 Dur.</b>		<b>.050 Dur.</b>		<b>.200 Dur</b>		<b>Cam Lift</b>		<b>1.5 Lift</b>		<b>1.6 Lift</b>		<b>1.7 Lift</b>
263		238	#			.300		.450		.480		.510
267		240	*	153		.300		.450		.480		.510
271		244	*	157		.300		.450		.480		.510
275		246	#			.300		.450		.480		.510

# Designs complete masters not made. **Recommended lash .014/.016**

**Jobber price is \$195.00 to \$245.00 for most applications**

**HDML Profiles .842 profiles Dwell @ max lift 40° hyd intensity**

	<b>.004 Dur.</b>		<b>.050 Dur</b>		<b>.200 Dur</b>		<b>Cam Lift</b>		<b>1.5 Lift</b>		<b>1.6 Lift</b>		<b>1.7 Lift</b>
	274		234		137		.260		.390		.416		.432
	278		238		141		.260		.390		.416		.432
	270		230		138		.274		.410		.438		.455
	274		234		142		.274		.410		.438		.455
	278		238		146		.274		.410		.438		.455
	272		232		141		.280		.420		.448		.476
	274	#	234		143		.280		.420		.448		.476
	276		236		145		.280		.420		.448		.476
	278	#	238		147		.280		.420		.448		.476
	280		240		149		.280		.420		.448		.476
	282	#	242		151		.280		.420		.448		.476
	286		246		153		.280		.420		.448		.476

# Designs complete; Masters not made

HMT Series Designs Hydraulic Maximum Torque profiles for the popular .460 lift rules. Specs are as follows; All have a .307 lobe lift. With stock 1.5 SBC rockers they check .446-.448 at the valve so they are legal for many .450 lift rules IF checked at the valve. 42° HI

	<b>.004 Dur.</b>		<b>.050 Dur.</b>		<b>.200 Dur.</b>		<b>1.5 Lift</b>		<b>1.6 Lift</b>		<b>1.7 Lift</b>
	268		226		138		.460		.491		.522
	272		230		142		.460		.491		.522
	276		234		145		.460		.491		.522
	280		238		149		.460		.491		.522
	284		242		153		.460		.491		.522
	288		246		157		.460		.491		.522

**Jobber price is \$195-235.00 for most applications**

**HCR Profiles.** One of the most advanced hydraulic profiles available today. **50° degrees hydraulic intensity with quiet ramps.** Specifically designed for computer controlled engines that require high vacuum but applicable to all engines under 10.5:1 compression. Can run a bit bigger .050 duration due to short seat timing.

<b>Dur .004</b>	<b>Dur .006</b>	<b>Dur .050</b>	<b>Cam Lift</b>	<b>Lift 1.5</b>	<b>Lift 1.6</b>	<b>Lift 1.7</b>
148	241	198	.268	.402	.428	.455
252	245	202	.280	.420	.448	.476
256	249	206	.280	.420	.448	.476
260	253	210	.286	.430	.457	.486
262	255	212	.275	.412	.440	.467
264	257	214	.293	.440	.468	.498
268	261	218	.300	.450	.480	.510
272	265	222	.307	.460	.490	.522
276	269	226	.314	.470	.502	.534
280	273	230	.323	.485	.517	.549

**Jobber price \$168-225.00 for most applications**

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**Unleash the Torque Monster in your engine!!**

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