

# 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

	<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

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

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

	<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>
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!**

	<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>
260		238	150	.324	.486	.518	.550
262		240	153	.322	.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**

	<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>
	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!

	<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>
<b>NEW</b>	262		238		150		.333		.500		.533		.566
	264		240		152		.333		.500		.533		.566
<b>#NEW</b>	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
<b>NEW</b>	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.**

	<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>
	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

	<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>
	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

	<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>
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

<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>
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.

<i>Dur .004</i>	<i>Dur .006</i>	<i>Dur .050</i>	<i>Cam Lift</i>	<i>Lift 1.5</i>	<i>Lift 1.6</i>	<i>Lift 1.7</i>
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**

**Call or write today!**

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

**Camcraft Cams LLC**

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