



# CAMSHAFT RANGE & SELECTION CHART

SEE INDIVIDUAL LISTINGS FOR MORE INFORMATION

**TORQUE CAM**

NEED A GOOD TORQUE CAM?

LOOK FOR THIS ICON IN THE LISTINGS

## STAGE 1

DURATION @ .050": UP TO 200 HYDRAULIC	CHARACTERISTICS	RECOMMENDATIONS
	IDLE QUALITY: SMOOTH STOCK	TOWING: GOOD FOR PULLING HEAVY LOADS
	TORQUE: IMPROVED LOW END, 1600-2000 RPM	RACING: NOT RECOMMENDED
	FUEL ECONOMY: VERY GOOD	COMPUTER CONTROLLED VEHICLES: MODIFICATIONS NOT NEEDED
	TRANSMISSION: STOCK AUTOMATIC OR MANUAL	
	COMPRESSION RATIO: 9.0:1 OR LESS	

## STAGE 2

DURATION @ .050": 200-215 HYDRAULIC	CHARACTERISTICS	RECOMMENDATIONS
	IDLE QUALITY: SMOOTH	TOWING: GOOD FOR LIGHT PULLING AND RV USE
	TORQUE: GOOD LOW AND MID-RANGES 1800-2600 RPM	RACING: NOT RECOMMENDED
	FUEL ECONOMY: GOOD	COMPUTER CONTROLLED VEHICLES: MODIFICATIONS MAY BE NEEDED
	TRANSMISSION: STOCK AUTOMATIC OR MANUAL	
	COMPRESSION RATIO: 9.5:1 OR LESS	

## STAGE 3

DURATION @ .050": 210-225 HYDRAULIC	CHARACTERISTICS	RECOMMENDATIONS
	IDLE QUALITY: FAIR WITH SOME LOPE	TOWING: NOT RECOMMENDED
	TORQUE: MID-RANGE 2400-3200 RPM	RACING: MILD BRACKET RACING
	FUEL ECONOMY: FAIR	COMPUTER CONTROLLED VEHICLES: MODIFIED COMPUTER CHIP MAY BE REQUIRED TO COMPENSATE FOR LOW VACUUM
	TRANSMISSION: STOCK AUTOMATIC OR MANUAL	
	COMPRESSION RATIO: 10.3:1 OR LESS. CHECK VALVE TO PISTON CLEARANCE RATIO:	

## STAGE 4

DURATION @ .050": 225-240 HYDRAULIC	CHARACTERISTICS	RECOMMENDATIONS
	IDLE QUALITY: ROUGH. MANIFOLD VACUUM WILL NOT OPERATE POWER BRAKES	TOWING: NOT RECOMMENDED
	TORQUE: MID-RANGE 3000-4000 RPM	RACING: BRACKET DRAG RACING, LIMITED OVAL TRACK
	FUEL ECONOMY: POOR	COMPUTER CONTROLLED VEHICLES: NOT RECOMMENDED
	TRANSMISSION: AUTOMATIC WITH HIGH STALL CONVERTER OR MANUAL	
	COMPRESSION RATIO: 10.5:1 TO 11.0:1. CHECK VALVE TO PISTON CLEARANCE RATIO:	

## STAGE 5

DURATION @ .050": 240-255 HYDRAULIC 250-265 MECHANICAL	CHARACTERISTICS	RECOMMENDATIONS
	IDLE QUALITY: ROUGH WITH HEAVY LOPE. WILL NOT OPERATE POWER BRAKES	TOWING: NOT RECOMMENDED
	TORQUE: MID TO HIGH RANGES 3800-5000 RPM	RACING: BRACKET DRAG RACING, OVAL TRACK
	FUEL ECONOMY: POOR	COMPUTER CONTROLLED VEHICLES: NOT RECOMMENDED
	TRANSMISSION: AUTOMATIC WITH HIGH STALL CONVERTER OR HEAVY DUTY MANUAL	
	COMPRESSION RATIO: 10.5:1 TO 12.0:1. CHECK VALVE TO PISTON CLEARANCE RATIO:	

THESE ARE GENERAL GUIDELINES. TO ACHIEVE BEST PERFORMANCE, MATCH CARBURETION, INTAKE MANIFOLD, IGNITION AND HEADERS TO THE CAMSHAFT.

# PERFORMANCE CAMSHAFTS

Street or strip, Engine Pro Performance Camshafts simply out perform the competition. Our manufacturing accuracy promotes improved valve train stability resulting in improved power gain. Our "controlled ramp" lobe profiles offer acceleration rates extending valve train life while delivering maximum horsepower.

- Ground in the U.S.A. 100% American Made Castings and Billets
- Computer Designed Lobe Profiles for Maximum Power
- Journal Roundness Maintained to Within .0002"
- Manganese Phosphate Coated, Flame Hardened Castings or Induction Hardened Billets
- Profiles are Adcole Verified for the Ultimate in Accuracy

## CAMSHAFT APPLICATION CHART

PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
<b>AMERICAN MOTORS V8, 1966-92 - Flat Tappet Cam / 290, 304, 343, 360, 390, 401 C.I.</b>														
MC1786	HYD	2	204	214	280	290	.448	.472	105	105	1000-5000	SMOOTH	2011	B, D
COMMENT: <b>TORQUE CAM</b> GOOD AND LOW MID RANGE TORQUE AND PULLING POWER														
<b>BUICK V6, 1978-88 - Flat Tappet Cam / 181, 196, 231, 252 C.I. (EVEN FIRE W/INTEGRAL DIST. DRIVE GEAR)</b>														
MC1731	HYD	1	194	204	272	280	.424	.449	114	114	1000-5000	SMOOTH	969	B
COMMENT: GOOD MILEAGE AND TORQUE														
MC2731	HYD	2	204	214	280	290	.448	.472	112	112	1200-4700	SMOOTH	969	N
COMMENT: <b>TORQUE CAM</b> GOOD LOW AND MID-RANGE TORQUE														
<b>BUICK V8 400, 455 C.I.</b>														
MC11650	HYD	3	214	224	290	300	.469	.493	112	Centerline	1500-4500	SMOOTH	969	D
COMMENT: GOOD MILEAGE AND TORQUE														
<b>CHEVROLET V6 - Flat Tappet Cam / 1980-89 173 C.I. (2.8L) &amp; 1990-94 189 C.I. (3.1L)</b>														
MC1784	HYD	2	204	214	278	288	.420	.443	107	112	1000-5000	SMOOTH	2095	B
COMMENT: <b>TORQUE CAM</b> GOOD LOW END TORQUE AND PULLING POWER														
<b>CHEVROLET V6 1985-03 262 c.i. (4.3L)</b>														
MC22113	HYD	1	194	204	270	278	.398	.420	104	104	Idle-5000	STOCK	817	N
COMMENT: <b>TORQUE CAM</b> GOOD LOW AND MID-RANGE TORQUE AND PULLING POWER														
<b>ROLLER CAM FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAM TORQUE CAM</b>														
MC22128	HYD	2	210	214	273	277	.487	.478	107	117	1500-4000	SMOOTH	2148	B, N
COMMENT: <b>TORQUE CAM</b> GOOD TORQUE AND MILEAGE														
<b>CHEVROLET - GM LS V8 GEN III &amp; IV, 3 BOLT, 1997 - Present, 1.7-1 Rocker Ratio</b>														
<b>MC315271</b>	HYD	<b>2</b>	<b>204</b>	<b>218</b>	-	-	<b>.551</b>	<b>.548</b>	<b>120</b>	<b>115</b>	<b>800-5500</b>	<b>SMOOTH</b>	<b>2148</b>	<b>A</b>
COMMENT: SIMILAR TO 2002-2004 LS6 CAM														
MC315944	HYD	3	218	227	-	-	.523	.524	109	115	1500-6000	FAIR	2148	A
COMMENT: SIMILAR TO LS "HOT CAM"														
MC315945	HYD	4	225	236	-	-	.525	.525	107	113	2000-6500	ROUGH	2148	A
COMMENT: SIMILAR TO ASA CAM														
<b>CHEVROLET Small Block V8 1955-95 - Flat Tappet Cam / 262, 265, 267, 302, 305, 307, 327, 350, 400 C.I.</b>														
MC2199	HYD	1	184	194	260	270	.368	.398	104	104	1000-3500	STOCK	817	
COMMENT: GOOD LOW END TORQUE AND MILEAGE														
MC2200	HYD	2	194	204	270	278	.398	.420	104	104	1500-4000	SMOOTH	817	C
COMMENT: GOOD FOR COMPUTER CONTROLLED ENGINES.														
MC2201	HYD	2	204	214	278	288	.420	.443	110	110	1500-4000	SMOOTH	817	C
COMMENT: <b>TORQUE CAM</b> GOOD FOR COMPUTER CONTROLLED ENGINES														
MC1730	HYD	2	204	214	278	288	.420	.433	107	117	1500-4000	SMOOTH	817	
COMMENT: <b>TORQUE CAM</b> STRONG TORQUE AND GOOD MILEAGE FOR 327 TO 400 C.I. LIKES HIGH AXLE RATIOS.														
MC2203	HYD	3	209	216	283	286	.435	.455	107	117	1500-4000	FAIR	817	
COMMENT: GOOD LOW END TORQUE AND PULLING POWER.														
MC2204	HYD	3	214	214	288	288	.443	.443	107	117	2000-4000	FAIR	817	
COMMENT: GOOD MARINE CAM.														
MC1988	HYD	3	214	224	288	298	.443	.465	107	117	2000-4500	FAIR	817	
COMMENT: GOOD LOW TO MID TORQUE. NOTICEABLE IDLE.														
MC1989	HYD	3	218	218	292	292	.458	.458	105	115	2000-4000	FAIR	817	
COMMENT: GOOD LOW TO MID TORQUE.														

- A - REQUIRE COMPUTER MODIFICATIONS**
- C - PREFERRED CHOICE FOR COMPUTER CONTROLLED ENGINES.**
- D - MAY REQUIRE CONVERSION TO AN ADJUSTABLE VALVE TRAIN.**
- N - NOT COMPUTER COMPATIBLE**

# CAMSHAFT APPLICATION CHART (cont.)



PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
<b>CHEVROLET Small Block V8 1955-95 (Continued) Mechanical Flat Tappet Cams</b> 262, 265, 267, 302, 305, 307, 327, 350, 400 C.I.														
MC1713	HYD	3	222	222	290	290	.447	.447	110	118	2000-4000	FAIR	817	
COMMENT: OEM #3863151, 350hp, L-79, 327														
MC5840	HYD	3	224	224	291	287	.450	.461	114	114	2000-4500	FAIR	817	
COMMENT: OEM #3896962, 350hp, L-82, LT-1														
MC1991	HYD	3	224	224	298	298	.465	.465	107	117	2000-5500	FAIR	817	
COMMENT: GOOD LOW TO MID TORQUE. BIGGEST CAM FOR USE W/ STOCK CONVERTER.														
MC5892	HYD	4	224	234	300	300	.465	.488	107	117	2000-5500	ROUGH	817	
COMMENT: GOOD MID TORQUE. 2200 + STALL CONVERTER.														
MC1993	HYD	4	230	230	287	287	.480	.480	106	110	2000-5000	ROUGH	817	
COMMENT: GOOD FOR STREET RODS WITH HIGH STALL CONVERTER														
MC1995	HYD	4	234	244	303	313	.488	.509	107	117	2500-6500	ROUGH	817	
COMMENT: STREET/STRIP MILD BRACKET RACING. 2800+ STALL CONVERTER.														
MC1996	HYD	5	244	244	318	318	.510	.510	106	112	3200-7000	VERY ROUGH	817	
COMMENT: GOOD FOR PRO, STREET, BRACKET, OVAL RACING. 3500 + STALL CONVERTER.														
MC5871	HYD	5	244	254	313	328	.510	.533	107	117	3500-7500	VERY ROUGH	817	
COMMENT: GOOD FOR PRO, STREET, BRACKET, OVAL RACING. 3500 + STALL CONVERTER.														
MC22402	MECH	4	240	250	282	290	.520	.520	104	108	2700-6200	LASH .022 INT .024 EXH ROUGH	992	N
COMMENT: LOPE.														
MC1612	MECH	5	254	254	295	295	.485	.485	110	118	3200-7500	LASH .030 INT .030 EXH VERY ROUGH	992	
COMMENT: HEAVY LOPE.														
MC5949	MECH	5	258	266	290	298	.538	.556	98	111	3600-7200	LASH .030 INT .030 EXH VERY ROUGH	992	
COMMENT: HEAVY LOPE.														
MC22450	MECH	5	264	274	309	319	.540	.563	108	115	3600-7200	LASH .024 INT .024 EXH VERY ROUGH	992	N
COMMENT: HEAVY LOPE.														
<b>ROLLER CAMS FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS</b>														
MC22129	HYD	2	198	210	273	288	.434	.462	108	116	Idle-4500	SMOOTH	2148	N
COMMENT: GOOD LOW END TORQUE AND GAS MILEAGE														
MC22131	HYD	2	210	215	288	284	.462	.470	106	114	600-4500	SMOOTH	2148	N
COMMENT: <b>TORQUE CAM</b> 1987-94 GOOD TORQUE AND MILEAGE														
MC22280	HYD	3	220	224	283	287	.495	.502	107	113	1800-5400	FAIR	2148	N
COMMENT: 1987-98 BIGGEST CAM FOR USE WITH STOCK CONVERTER														
MC22298	HYD	4	222	232	297	307	.479	.501	109	119	2000-5700	ROUGH	2148	N
COMMENT: 1987-99 GOOD FOR STREET RODS 2000+ STALL CONVERTER, REQUIRES BRONZE DISTRIBUTOR GEAR														
MC22397	HYD	4	234	238	296	300	.537	.546	107	117	2500-6000	ROUGH	2148	N
COMMENT: 1987-94 STREET/STRIP MILD BRACKET RACING 3000+ STALL CONVERTER														
<b>RETRO-FIT HYDRAULIC ROLLER CAMS</b>														
MC22135	HYD	2	206	214	266	274	.470	.490	108	116	1000-4500	SMOOTH	853-16	N
COMMENT: <b>TORQUE CAM</b> GOOD TORQUE AND GAS MILEAGE														
MC22238	HYD	3	210	215	288	284	.462	.470	106	114	1500-5300	FAIR	853-16	N
COMMENT: STREET PERFORMANCE, SLIGHT LOPE														
MC22237	HYD	3	215	224	284	296	.470	.490	108	116	1700-5200	FAIR	853-16	N
COMMENT: GOOD MID-RANGE, NOTICEABLE IDLE														
MC22136	HYD	3	215	230	284	310	.470	.480	106	114	1700-5500	FAIR	853-16	N
COMMENT: MID-RANGE POWER, NOTICEABLE IDLE														
MC22398	HYD	4	234	238	296	300	.538	.546	107	117	2500-6500	ROUGH	853-16	N
COMMENT: HIGH PERFORMANCE STREET & STRIP. NEEDS 3000 + STALL CONVERTOR														
<b>MECHANICAL ROLLER CAMS</b>														
MC11270	MECH	5	256	258	292	296	.604	.602	106	Centerline	3500-6700	ROUGH	AT6027RA	N
COMMENT: GOOD LOW END TORQUE AND GAS MILEAGE														

N - NOT COMPUTER COMPATIBLE

# CAMSHAFT APPLICATION CHART (cont.)

PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
<b>CHEVROLET Big Block V8 1967-95 396, 402, 427, 454 C.I. / 1969-90 366 C.I. (CHAIN DRIVE) Hydraulic Flat Tappet Cams</b>														
MC22127	HYD	2	190	202	260	272	.439	.464	106	114	Idle-4500	SMOOTH	817	
COMMENT: GOOD FUEL ECONOMY.														
MC2004	HYD	2	204	214	282	292	.476	.501	108	116	1500-4200	SMOOTH	817	
COMMENT: <b>TORQUE CAM</b> GOOD LOW AND MID RANGE TORQUE. GOOD FUEL ECONOMY.														
MC2006	HYD	3	214	214	292	292	.501	.501	109	119	2000-4000	FAIR	817	
COMMENT: <b>TORQUE CAM</b> GOOD LOW TO MID TORQUE.														
MC1737	HYD	3	214	224	292	302	.501	.527	108	116	2000-5500	FAIR	817	
COMMENT: GOOD LOW END TORQUE AND TOWING POWER.														
MC1636	HYD	4	222	235	306	322	.500	.505	110	120	1500-4000	ROUGH	817	
COMMENT: GOOD LOW TO MID TORQUE.														
MC1958	HYD	4	224	224	293	293	.510	.510	114	117	1500-4000	ROUGH	817	
COMMENT: GOOD MARINE CAMSHAFT														
MC2305	HYD	4	224	232	302	304	.527	.553	110	118	2500-6000	ROUGH	817	D
COMMENT: HIGH PERFORMANCE STREET, STRONG MID-RANGE.														
MC22471	HYD	5	240	246	305	311	.559	.572	110	114	3200-6700	VERY ROUGH	817	
COMMENT: GOOD FOR PRO, STREET, BRACKET, OVAL RACING. 3500+ STALL CONVERTER.														
<b>MECHANICAL FLAT TAPPET CAMS</b>														
MC22396	MECH	4	242	242	310	297	.508	.496	108	120	3200-7000	LASH .020 INT .024 EXH VERY ROUGH	992	N
COMMENT: STREET STRIP, 9.5:1 COMPRESSION, 3000 STALL CONVERTOR OR STICK, LOWER GEARS -GM #3904362														
MC11090	MECH	5	<b>254</b>	<b>264</b>	<b>302</b>	<b>312</b>	<b>.587</b>	<b>.612</b>	<b>108</b>	Centerline	<b>3800-7000</b>	LASH .022 INT .026 EXH VERY ROUGH	<b>2279</b>	<b>N</b>
COMMENT: STRIP, 3500 STALL CONVERTOR OR STICK, HEADERS, LOWER GEARS														
<b>ROLLER CAMSHAFTS FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS</b>														
MC22485	HYD	4	236	246	316	324	.561	.578	106	114	2600-6300	ROUGH	2279	N
COMMENT: STREET STRIP, 3500+ STALL CONVERTOR														
MC22480	HYD	5	241	246	305	310	.559	.572	110	114	2800-6200	VERY ROUGH	2279	N
COMMENT: SERIOUS STREET/STRIP 3000+ STALL CONVERTER														
<b>RETRO-FIT HYDRAULIC ROLLER CAMS</b>														
MC22141	HYD	2	216	228	288	300	.502	.510	108	116	1700-5200	SMOOTH	854-16	N
COMMENT: <b>TORQUE CAM</b> PERFORMANCE WITH GOOD MID-RANGE TORQUE														
MC22236	HYD	3	224	234	296	308	.527	.544	106	114	2200-5700	FAIR, SOME LOPE	854-16	N
COMMENT: PERFORMANCE STREET CAM, 9.5:1 COMPRESSION, 2000+ STALL CONVERTOR														
<b>MECHANICAL ROLLER CAMS</b>														
MC11370	MECH	5	246	246	288	288	.623	.623	110	Centerline	2200-6500	ROUGH	AT6028RA	
COMMENT: STEEL, REQUIRES BRONZE DISTRIBUTOR GEAR														
MC11350	MECH	5	261	271	296	306	.680	.680	108	Centerline	3500-6500	VERY ROUGH	AT6028RA	
COMMENT: STEEL, REQUIRES BRONZE DISTRIBUTOR GEAR														

D - MAY REQUIRE CONVERSION TO AN ADJUSTABLE VALVE TRAIN.  
N - NOT COMPUTER COMPATIBLE



# CAMSHAFT APPLICATION CHART (cont.)



PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
<b>CHRYSLER V8</b>														
1964-89 273, 340, 360 C.I. / 1967-89 318 C.I. (EXCEPT ROLLER LIFTERS) Hydraulic Flat Tappet Cams														
MC1735	HYD	2	210	220	279	290	.429	.442	108	116	1500-4000	SMOOTH	2011	
COMMENT: <b>TORQUE CAM</b> STRONG LOW TO MID TORQUE. STRONG PULLING POWER. GOOD MILEAGE. CHRYSLER - #2899206 (275-340HP)														
MC3203	HYD	3	214	224	288	298	.443	.466	108	116	2000-4800	FAIR	2011	
COMMENT: GOOD LOW AND STRONG MID RANGE TORQUE														
<b>CHRYSLER V8 1958-78</b>														
350, 361, 383, 400, 413, 426 (EXC HEMI), 440 C.I. / "B" ENGINE - USE WITH SINGLE BOLT GEAR Hydraulic Flat Tappet Cams														
MC1787	HYD	2	204	214	278	288	.420	.443	107	117	1500-4000	SMOOTH	2011	
COMMENT: <b>TORQUE CAM</b> STRONG LOW TO MID RANGE TORQUE AND PULLING POWER.														
MC2032	HYD	3	224	224	289	289	.455	.455	107	117	2000-4500	FAIR	2011	E
COMMENT: GOOD LOW TO MIDDLE TORQUE.														
MC23302	HYD	4	236	236	302	302	.480	.480	108	108	2500-6000	ROUGH	2011	N
COMMENT: STREET & STRIP, NEEDS 9.5:1 COMPRESSION, 2500+ STALL CONVERTOR.														
<b>FORD V8 1962-91</b>														
221, 255, 260, 289, 302 C.I. (EXCEPT 1982-85 302 H.O. & 302 C.I. W/HYD ROLLER LIFTERS) FIRING ORDER 1-5-4-2-6-3-7-8 Hydraulic Flat Tappet Cams														
MC4120	HYD	2	190	202	258	271	.413	.437	106	114	1000-4000	SMOOTH	900	
COMMENT: GOOD LOW END TORQUE. GOOD FOR TOWING.														
MC1734	HYD	2	204	214	280	289	.448	.472	108	116	1500-4000	SMOOTH	900	G
COMMENT: <b>TORQUE CAM</b> STRONG LOW END TORQUE. GOOD FOR TOWING. GOOD MILEAGE.														
MC24212	HYD	2	218	218	298	298	.460	.460	106	120	1700-5200	FAIR	900	N
COMMENT: PERFORMANCE STREET CAM WITH MID-RANGE POWER, BEST WITH SLIGHTLY LOWER GEARS. FORD - #C90Z-6250-C (289-225HP)														
MC2057	HYD	3	214	224	290	300	.472	.496	108	116	2000-4500	FAIR	900	G
COMMENT: GOOD LOW AND MID RANGE TORQUE AND PULLING POWER.														
MC24305	HYD	4	227	234	298	302	.520	.520	107	117	2200-5400	ROUGH	900	N
COMMENT: GOOD STREET PERFORMANCE WITH 2500 STALL CONVERTOR, GOOD TORQUE														
MC2292	HYD	4	231	231	288	288	.512	.512	106	114	2500-5800	ROUGH	900	
COMMENT: STREET AND MILD BRACKET														
<b>ROLLER CAMSHAFTS FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS</b>														
MC24226	HYD	3	212	222	289	299	.493	.510	107	117	1200-5000	FAIR	2205	N
COMMENT: WORKS WITH STOCK CONVERTER, GOOD STREET PERFORMANCE														
MC24280	HYD	3	220	223	286	292	.512	.512	109	115	2000-5500	FAIR	2005	N
COMMENT: STREET HOT ROD, BEST POWER ABOVE 3500, 1800+ STALL CONVERTER														
MC24227	HYD	4	222	232	299	309	.510	.534	107	117	2200-6200	ROUGH	2205	N
COMMENT: STREET/STRIP, 5 SPEED OR 2500+ STALL CONVERTER														
<b>RETRO-FIT HYDRAULIC ROLLER CAMS</b>														
MC24110	HYD	2	210	211	292	282	.444	.444	116	115	1200-4600	SMOOTH	-	N
COMMENT: <b>TORQUE CAM</b> FOR STOCK ENGINE. GOOD ECONOMY AND TORQUE														
MC24214	HYD	3	219	219	285	285	.498	.498	110	110	1700-5300	FAIR	-	N
COMMENT: STREET CAM WITH GOOD HIGH END POWER AND TORQUE														

E - BASE CIRCLE SIZE OF CAMSHAFT IS SMALLER THAN STOCK SIZE. SPECIAL PUSH RODS OR ROCKER ARMS MAY BE REQUIRED TO KEEP GEOMETRY CORRECT AND AVOID DAMAGE.  
 G - THE BASE CIRCLE SIZE OF THE CAMSHAFT MAY REQUIRE CONVERSION TO AN ADJUSTABLE VALVE TRAIN.  
 N - NOT COMPUTER COMPATIBLE

## CAMSHAFT THRUST PLATE

INCLUDES: COUNTERSUNK THRUST PLATE WITH 2 SCREWS

CAMSHAFT THRUST PLATE	
PART #	APPLICATION
08-7820TPK	FORD SMALL BLOCK - WORKS WITH PART # 08-2003T-9, 08-2023T-9 AND 08-4751



## CHRYSLER PERFORMANCE TIMING TENSIONER

The Engine Pro Tensioner replaces the "cam thrust plate" and works with all roller timing chains. It interchanges with Chrysler performance part # P5007709.

PART #	APPLICATION
08-9428	CHRYSLER V8 318, 340, 360 V8, 236 V6





# CAMSHAFT APPLICATION CHART (cont.)

PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
<b>FORD V8 351W 1969-91</b>														
<b>302 C.I., H.O. 1982-85 (EXCEPT ROLLER LIFTERS) FIRING ORDER 1-3-7-2-6-5-4-8</b>														
MC1775	HYD	2	204	214	280	290	.448	.472	107	117	1500-4000	SMOOTH	900	
COMMENT: <b>TORQUE CAM</b> GOOD LOW AND MID RANGE TORQUE FOR TRUCKS AND TOWING.														
MC4225	HYD	3	219	219	308	308	.467	.467	107	119	2000-4000	FAIR	900	
COMMENT: GOOD LOW TO MID RANGE TORQUE.														
MC24211	HYD	4	224	234	300	304	.496	.502	107	117	2200-5400	ROUGH	900	
COMMENT: STREET PERFORMANCE. GOOD MID & HIGH END, 2500+ STALL CONVERTOR														
NOTE: THESE CAMSHAFTS CAN BE USED IN 221 THRU 302 C.I. ENGINES BY CHANGING TO FIRING ORDER 1-3-7-2-6-5-4-8.														

<b>FORD V8 1970-82</b>														
<b>351C, 351M, 400 C.I.</b>														
MC1733	HYD	2	204	214	282	292	.484	.510	106	118	1500-4000	SMOOTH	900	
COMMENT: <b>TORQUE CAM</b> GOOD LOW AND MID RANGE TORQUE. GOOD FOR TOWING.														
MC24204	HYD	3	214	224	292	302	.510	.536	106	118	1700-5500	FAIR	900	
COMMENT: GOOD THROTTLE RESPONSE, GOOD MID-RANGE, 2200+ STALL CONVERTOR														

<b>MECHANICAL FLAT TAPPET CAMS</b>														
MC24401	HYD	5	224	254	292	301	.569	.589	104	108	3500-6700	VERY ROUGH	-	
COMMENT: STREET & STRIP, 10:1 COMP RATIO, 3500 STALL CONVERTOR														

<b>FORD V8 1963-76</b>														
<b>352, 360, 390, 406, 410, 427, 428 C.I. 'FE' ENGINE</b>														
MC1776	HYD	2	204	214	282	292	.484	.510	104	120	1500-4000	SMOOTH	2083	
COMMENT: <b>TORQUE CAM</b> GOOD LOW END TORQUE. GOOD FOR TOWING.														
MC4205	HYD	3	214	224	292	302	.510	.536	104	120	2000-4500	FAIR	2083	
COMMENT: GOOD LOW AND STRONG MID-RANGE TORQUE														

<b>FORD V8 1968-97</b>														
<b>370, 429, 460, 512 C.I.</b>														
MC1732	HYD	2	204	214	282	292	.484	.512	107	117	1500-4000	SMOOTH	900	
COMMENT: <b>TORQUE CAM</b> GOOD LOW END TORQUE. GOOD FOR TOWING.														
MC2311	HYD	3	214	224	292	302	.510	.536	107	117	2000-4800	FAIR	900	
COMMENT: STRONG LOW AND MID RANGE TORQUE. GOOD FOR HEAVY TOWING.														

<b>MECHANICAL FLAT TAPPET CAMS</b>														
MC24406	HYD	5	244	254	294	304	.588	.614	107	117	2800-6500	LASH .026 INT .026 EXH VERY ROUGH	-	
COMMENT: STREET & BRACKET, NEEDS 10.1:1 COMP & 3500 STALL CONVERTOR														

<b>OLDSMOBILE V8 1967-85 (30 DEGREE BANK ANGLE)</b>														
<b>260, 307, 350, 400, 403, 425, 455 C.I.</b>														
THESE CAMSHAFTS HAVE BASE CIRCLES .100" TO .150" SMALLER THAN THE STOCK CAMSHAFT. SINCE THESE ENGINES HAVE NON-ADJUSTABLE ROCKER ARMS, IT MAY BE NECESSARY TO USE LONGER PUSH RODS OR ADJUSTABLE PUSH RODS.														
MC1777	HYD	2	204	214	280	295	.448	.472	106	118	1500-4000	SMOOTH	951	D
COMMENT: <b>TORQUE CAM</b> GOOD LOW END TORQUE AND PULLING POWER.														
MC2101	HYD	3	214	224	290	300	.472	.496	106	118	2000-4500	FAIR	951	D
COMMENT: GOOD LOW TO MID RANGE TORQUE. STOCK TORQUE CONVERTER.														

<b>PONTIAC V8 1955-81</b>														
<b>265, 287, 301, 316, 326, 347, 350, 370, 389, 400, 421, 428, 455 C. I.</b>														
MC1778	HYD	2	204	214	278	288	.420	.443	108	116	1500-4000	SMOOTH	951	
COMMENT: <b>TORQUE CAM</b> GOOD LOW END TORQUE AND PULLING POWER. GOOD MILEAGE.														
MC1130	HYD	3	214	224	288	298	.443	.465	106	118	2000-4500	FAIR	951	
COMMENT: GOOD LOW AND MID RANGE TORQUE. GOOD MILEAGE. STRONG PULLING POWER.														

N - NOT COMPUTER COMPATIBLE