



**Semi - Finished Camshafts
February, 2015**

717 Woodworth Rd. Jackson, Michigan 49202
517-787-2040

EVERWEAR-GEAR™

CAMSHAFTS



Camshaft Machine Company has manufactured camshafts since 1942. We specialize in both cast and steel semi-finished(UGL's) camshaft cores for the entire performance industry. Many of today's "performance" cam companies rely on Camshaft Machine Company cores for the development of their individual high performance finished grinds.

The High performance industry has struggled for years with durability problems between the distributor gears and steel camshaft gears. The materials used to manufacture steel camshafts today are extremely durable; however there have been some compatibility problems with stock distributor gears. These problems seem to arise when there is increased loads added to the system. Below are just a few of the variables that contribute to stress and or problems.

1. High Performance Oil Pumps (Higher Pressure which increases gear loads).
2. Different Oil Viscosity
3. Distributor Gear Quality
4. Cam Gear Quality
5. Lubrication for the gears
6. Miss matching of new and old gears.
7. Excessive backlash between the 2 gears.

Camshaft Machine Company developed the new Everwear-Gear™ in November of 2003.

We enlisted help from MSD as they have worked on gear wear problems for many years. MSD has developed a test standard that can measure durability, as well as allowing oil temperature, oil pressure and RPM changes. To measure our progress, and quantify our overall gear quality, we used the American Gear Manufactures Association (AGMA) standard 1 thru 15 scale, 1 being the lowest level of performance.

Our standard process is to plunge hob our gears, the hob is fed vertically into the gear on the camshaft. OEM manufacturing has used this plunge hob process for years with good success on stock oil pump and limited RPM applications. We rate the OEM production gear quality throughout the industry in the 3 – 4 range.

To make a precision quality gear, we wanted to find a better cast iron material than our "Proferall++". We developed a new cast iron material for our Everwear-Gear™ that has excellent wear characteristics. We used a special nitride process to case harden the gear. Once we had the material we needed to address the machining process for the gear, we had to go to a "through" hobbing process. Many improvements have been made in the design of the hobs over the years. We developed a new topping hob that holds the shape of the tooth (K curve), the pitch diameter, and O.D. in very close tolerance to the centerline of the gear. There is now a true relationship between the O.D. of the gear to the centerline of the gear. In the past engine builders would make a decision on the quality of the gear based on the run-out of the O.D. on the gear with the cam on the centers. Because we rough turn the O.D. of our standard production camshafts, there is no consistent relationship between the O.D. and the root or pitch diameter. With the new Everwear-Gear™, there is a very consistent relationship. Our Everwear-Gear™ has an AGMA rating of 9. This is truly a precision gear.

Our test setup used a DC motor to drive the engine, which is basically a "Reverse Dyno". The crank, camshaft, distributor and a high performance oil pump were installed for testing. The test used 50 wt. racing oil at 50°F, the test was setup to produce 150psi oil pressure. The engine was accelerated from 0 to 8000rpm and then held at 8000rpm. Using camshafts and gears currently being sold by several manufacturers, we were unable to have the gears live longer than 72 seconds. Using the MSD cast iron distributor gear #8531 and the new CMC Everwear-Gear™, the camshafts and Gears were removed after 38 Hours with minimal wear.

CMC Bearing Journal Size Specifications

Decsription	Finished Size	Bearing Type
SB Chevy Std.	1.8687	Bushing
SB Chevy Roller Std.	1.875	Roller
BB & Rocket Block	1.9492	Bushing
50mm	1.9683	Roller
55mm	2.1653	Roller
LS1-6 55mm CMC	2.1653	Roller / Bushing
LS1-6 55mm GM Spec.	2.1659	Bushing

AMC

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL SIZE	BODY DIAMETER	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
AMC 1980-83 151 C.I. (2.5L) 4 cyl. EF242											
118602	242°	242°	.317	.317	108°	114°	1.817	1.20	.50	Proferall	
AMC 1984-87 173 C.I. (2. 8L) V-6 (60 DEGREE) EF161											
115627	244°	244°	.330	.330	108°	112°	1.820	.98	.52	Proferall	
AMC (Jeep) 1965-71 225 C.I. V-6 (ODD FIRE) EF105											
113604	192°	192°	.240	.240	112°	112°	1.520	1.00	.48	Proferall	
AMC 1964-98 199-232-258 C.I. - 4.0L 6 cyl. - with Dowel pin EF000											
110600	184°	184°	.233	.233	105°	115°	1.853	1.25	.50	Proferall	
AMC JEEP 4.0L 99-Current - with Keyway EF044											
110604	214°	214°	.255	.255	110°	105°	1.810	1.25	.67	Proferall	
AMC 1966-93 290-304-343-360-390-401 C.I. V-8 EF001											
110601	196°	196°	.266	.266	107°	115°	1.850	1.12	.50	Proferall	

Buick - Cadillac

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL SIZE	BODY DIAMETER	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
Buick 1978-87 181-196-231-252 C.I. V-6 (EVEN FIRE) w/ Integral Distributor Drive Gear EF107											
113606	232°	232°	.300	.300	100°	117°	1.600	1.00	.46	Proferall	
Buick 1962-67 198-225 C.I. V-6 (ODD FIRE) Flat Tappet Cams EF105											
113604	192°	192°	.240	.240	112°	112°	1.520	1.00	.48	Proferall	
Buick 1962-67 198-225 C.I. V-6 (ODD FIRE) Roller Cams EF105											
313603	240°	240°	.350	.350	109°	115°	1.465	.87	.48	1055	
Buick 1990- 95 231 C.I. 3.8 L. V-6 Roller Vin Code "L" EF112											
313608	230°	230°	.305	.305	116°	108°	1.515	.87	.40	1055	
Buick 1995-01 231 C.I. 3.8 L. V-6 Roller Series II & III Eng. Codes "L36", "L67" EF113											
313609	230°	230°	.305	.305	116°	108°	1.565	.87	.40	1055	
313614	274°	274°	.340	.340	110°	110°	1.536	.87	.40	1055	
Buick 1961-67 215 C.I. Aluminum Block V-8 300-340 C.I. Cast Iron Block - Flat Tappet Cams EF102											
113601	234°	234°	.270	.270	106°	112°	1.510	1.00	.48	Proferall	
Buick 1961-67 215 C.I. Aluminum Block V-8 300-340 C.I. Cast Iron Block - Roller Cams EF102											
313613	270°	270°	.350	.350	108°	112°	1.376	.85	.48	1055	
Buick 1968-80 350 C.I. V-8 Flat Tappet Cams EF104											
113603	188°	206°	.243	.254	110°	116°	1.515	1.09	.48	Proferall	
Buick 1968-80 350 C.I. V-8 Roller Cams EF104											
313612	270°	270°	.350	.350	108°	112°	1.465	.92	.48	1055	
Buick 1957-66 364-401-425 C.I. V-8 Flat Tappet Cams EF101											
113600	212°	212°	.283	.283	109°	113°	1.463	1.00	.56	Proferall	
Buick 1957-66 364-401-425 C.I. V-8 Roller Cams EF101											
313611	270°	270°	.350	.350	108°	112°	1.371	.85	.56	1055	
Buick 1967-76 400-430-455 C.I. V-8 Flat Tappet Cams EF103											
113602	206°	206°	.286	.286	108°	122°	1.616	1.09	.52	Proferall	
Cadillac 1956-62 365-390 C.I. V-8 EF131											
114600	214°	214°	.295	.295	110°	118°	1.625	1.06	.50	Proferall	
Cadillac 1963-67 390-429 C.I. V-8 EF132											
114601	210°	210°	.282	.282	112°	116°	1.532	1.06	.50	Proferall	
Cadillac 1968-84 368-425-472-500 C.I. V-8 EF133											
114602	228°	228°	.310	.310	108°	112°	1.620	1.06	.50	Proferall	
Cadillac 1968-84 368-425-472-500 C.I. V-8 HYD ROLLER CAM EF133											
314600	250°	250°	.350	.350	110°	114°	1.430	.92	.52	1055	TWO-PIECE WITH FLANGE

Chevy 4 / 6 Cyl.

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL SIZE	BODY DIAMETER	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
1984-86 121 C.I. (2.0L) OHV 4 cyl., 1982 112 C.I. (1.8L) OHV 4 cyl.											
115635	244°	244°	.330	.330	108°	111°	1.810	1.06	.61	Proferall	EF163
153-181 C.I. 4 cyl. (W/SINGLE DIST. GEAR), Standard (R.H.) Rotation (Marine Applications)											
118603	226°	226°	.232	.232	109°	113°	1.702	1.20	.50	Proferall	EF243
1963-89 292 C.I. L-6											
115694	204°	204°	.253	.253	110°	110°	1.750	1.20	.50	Proferall	EF155
1990-95 189 C.I. (3.1 L) V-6 (60 Degree), 1980-89 173 C.I. (2.8L) V6 (60 Degree)											
115627	244°	244°	.330	.330	108°	112°	1.820	.98	.52	Proferall	EF161
1962-84 194-230-250 6 cyl.											
115600	204°	204°	.253	.253	103°	107°	1.783	1.20	.50	Proferall	EF154
1978-84 200-229 V-6 (ODD FIRE 90 Degree)											
115623	244°	244°	.330	.330	108°	116°	1.715	1.00	.50	Proferall	EF160
1987-95 262 C.I. (4.3L) V-6 (EVEN FIRE 90 Degree) STANDARD (R.H.). ROTATION											
315668	194°	204°	.271	.286	107°	117°	1.612	.90	.48	1055	with Fuel Pump Eccentric - Cast iron gear
315642	202°	213°	.269	.273	108°	116°	1.619	1.06	.48	1055	Cam has Fuel Pump Eccentric
1990-97 262 C.I. (4.3L) V-6 Roller WITH FRONT END PILOT											
315687	213°	213°	.273	.273	107°	117°	1.623	1.06	.48	1055	EF183
87-95 262 C.I. (4.3L) V-6 (90 Degree) "Gear Drive" FIRING ORDER 1-2-3-4-5-6											
315643	202°	213°	.269	.273	108°	116°	1.619	1.06	.48	1055	EF165
NOTE: Cam has fuel pump eccentric, (LH Crank rotation - counter clockwise viewing from fan side)											
1985-86 262 C.I. (4.3L) V-6 (EVEN FIRE (90 Degree) STANDARD ROTATION											
115636	244°	244°	.330	.330	110°	114°	1.715	1.00	.47	Proferall	EF168

GM Holden

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL SIZE	BODY DIAMETER	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
3.3L 6 Cyl.											<small>EF 322</small>
126601	189°	189°	.249	.249	105°	110°	1.610	1.00 min.	.54	Proferall	
126604	230°	230°	.266	.266	107°	111°	1.530	1.00	.54	Proferall	
253-308 V-8 Carb. R											<small>EF 321</small>
126600	224°	224°	.310	.310	104°	116°	1.690	1.00	.50	Proferall	
126605	236°	236°	.298	.298	105°	115°	1.664	.97	.53	Proferall	
253-308 V-8 W/EFI											<small>EF 323</small>
126603	236°	236°	.298	.298	105°	115°	1.679	.97	.53	Proferall	

Chevy Small Block V8

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA.	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
1957-95 SB FLAT TAPPET CAMS V-8 STANDARD SPACING EF151											
115654	203°	203°	.273	.273	112°	116°	1.683	1.00	.47	Proferall	
115666	244°	244°	.330	.330	110°	112°	1.702	1.00	.47	Proferall	
115613	244°	244°	.330	.330	110°	112°	1.702	1.00	.47	Proferall	RV and Street .300-.350 LIFT ANY DUR.
115665	278°	278°	.355	.355	107°	115°	1.611	.97	.53	Proferall	HI LIFT USAGE +350 LIFT BIG DUR. 1.120 BC
115696	280°	280°	.268	.268	103°	111°	1.630	1.00	.50	Proferall	LIFT CLASS RULES <.300 LIFT OVER 240 DUR
1957-95 SB FLAT TAPPET CAMS V-8 SPACED LOBES EF151											
115614	275°	275°	.346	.346	104°	112°	1.656	1.00	.53	Proferall	
1957-95 SB FLAT TAPPET CAMS V-8 4 X 7 FIRING ORDER SWAP - SPACED LOBES EF151											
115693	275°	275°	.346	.346	104°	112°	1.656	1.00	.53	Proferall	
115697	275°	275°	.346	.346	104°	112°	1.656	1.00	.53	Proferall	ROCKET BLOCK BEARINGS
1957-95 SB FLAT TAPPET CAMS V-8 STANDARD SPACING Firing Order 1-2-7-5-6-3-4-8 EF151											
115647	244°	244°	.330	.330	108°	112°	1.680	1.00	.48	Proferall	REVERSE ROTATION
1957-94 SB ROLLER CAMS V-8 STANDARD SPACING FLAT FACE EF176											
315672	194°	204°	.271	.286	107°	117°	1.612	.90	.48	1055	Cast Distributor Gear
315772	194°	204°	.271	.286	107°	117°	1.610	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315659	207°	207°	.242	.242	108°	112°	1.666	.92	.50	1055	Cast Distributor Gear
315878	232°	242°	.330	.330	107°	117°	1.565	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315674	232°	242°	.334	.334	107°	117°	1.565	.90	.48	1055	Cast Distributor Gear
315673	232°	242°	.334	.334	107°	117°	1.565	.90	.48	1055	Distributor Gear Intergral with shaft
315875	240°	244°	.350	.350	108°	116°	1.285	.85	.48	8660 Q&T	Small Base Circle - EVERWEAR-GEAR™
315848	260°	270°	.415	.415	104°	108°	1.465	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315658	267°	274°	.434	.423	103°	109°	1.434	.92	.54	1055	Distributor Gear Intergral with shaft
315648	267°	274°	.434	.423	103°	109°	1.494	.90	.48	1055	Distributor Gear Intergral with shaft
315846	270°	270°	.415	.415	110°	114°	1.484	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315640	274°	274°	.425	.425	106°	110°	1.485	.88	.50	1055	Cast Distributor Gear
315630	274°	274°	.425	.425	106°	110°	1.485	.90	.48	1055	Distributor Gear Intergral with shaft
315730	274°	274°	.425	.425	106°	110°	1.485	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315803	275°	275°	.400	.400	102°	110°	1.385	.85	.48	8660 Q&T	Sm. Base Circle - "Same as OBS. # 315806 w/no rear drive" - EVERWEAR-GEAR™
315876	275°	275°	.400	.400	102°	110°	1.500	.90	.48	8660 Q&T	Std Brg Journals - "Same as OBS. # 315804 w/no rear drive" - EVERWEAR-GEAR™
315856	275°	275°	.400	.400	102°	110°	1.575	1.01	.48	8660 Q&T	50mm(1.969")Roller bearing Journals - EVERWEAR-GEAR™
315805	275°	275°	.400	.400	102°	110°	1.500	.90	.48	8660 Q&T	Roller Brg. Jrnls 1.875" - "Same as OBS. # 315854 w/no rear drive" - EVERWEAR-GEAR™
315823	275°	275°	.400	.400	102°	110°	1.565	1.01	.48	8660 Q&T	1.949" BB Journals - EVERWEAR-GEAR™
315776	275°	275°	.400	.400	104°	108°	1.500	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315840	275°	275°	.400	.400	104°	112°	1.565	1.01	.48	8660 Q&T	1.949" BB Journals - EVERWEAR-GEAR™

Chevy Small Block V8

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA.	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
315824	275°	275°	.400	.400	103°	113°	1.585	1.01	.48	8660 Q&T	50mm (1.969") Journals - EVERWEAR-GEAR™
315822	278°	278°	.435	.435	102°	110°	1.415	.85	.48	8660 Q&T	EVERWEAR-GEAR™
315830	280°	280°	.430	.430	103°	113°	1.475	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315855	280°	280°	.430	.430	103°	113°	1.475	.90	.53	8660 Q&T	Roller Bearing 1.875" - EVERWEAR-GEAR™
315638	290°	290°	.350	.350	106°	110°	1.540	.92	.50	1055	Cast Distributor Gear
315621	290°	290°	.350	.350	106°	110°	1.540	.90	.48	1055	Distributor Gear Intergral with shaft
315721	290°	290°	.350	.350	106°	110°	1.540	.90	.48	8660 Q&T	EVERWEAR-GEAR™
415600	290°	290°	.350	.350	108°	112°	1.540	1.00	.48	DUCTILE IRON	FLAT FACE
315807	290°	296°	.460	.445	103°	113°	1.435	.85	.48	8660 Q&T	EVERWEAR-GEAR™
1957-95 SB ROLLER CAMS V-8 4 X 7 FIRING ORDER SWAP F.O. 1-8-7-3-6-5-4-2 FLAT FACE EF176											
315706	256°	262°	.380	.380	108°	116°	1.360	.85	.48	8660 Q&T	Small Base Circle - EVERWEAR-GEAR™
315808	260°	270°	.415	.415	104°	108°	1.465	.90	.48	8660 Q&T	Std Bearings - EVERWEAR-GEAR™
315828	260°	270°	.415	.415	104°	108°	1.465	.90	.48	8660 Q&T	Roller Bearing Journals 1.875" - EVERWEAR-GEAR™
315835	260°	270°	.415	.415	104°	108°	1.565	1.01	.48	8660 Q&T	50mm(1.969") Roller Bearing Journals - EVERWEAR-GEAR™
315702	274°	274°	.425	.425	106°	110°	1.485	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315809	275°	275°	.400	.400	102°	110°	1.385	.85	.48	8660 Q&T	Small Base Circle - EVERWEAR-GEAR™
315800	280°	290°	.485	.485	110°	114°	1.710	1.05	.48	8660 Q&T	55 mm (2.165") EVERWEAR-GEAR™
315844	286°	296°	.460	.445	109°	119°	1.385	.85	.48	8660 Q&T	Std Bearings - Small Base Circle - EVERWEAR-GEAR™
315821	286°	296°	.480	.460	109°	119°	1.435	.85	.48	8660 Q&T	EVERWEAR-GEAR™ - Roller Brg Journals 1.875" Small Base Circle
315722	290°	290°	.350	.350	108°	112°	1.545	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315845	290°	296°	.460	.445	106°	114°	1.520	1.01	.48	8660 Q&T	50mm (1.969") Journals - EVERWEAR-GEAR™
1957-95 SB ROLLER CAMS V-8 (4 X 7- 3 X 2) "C" FIRING ORDER SWAP F.O. 1-8-7-2-6-5-4-3 FLAT FACE EF176											
315841	260°	270°	.390	.390	106°	110°	1.510	.90	.48	8660 Q&T	Roller Bearing 1.875 - EVERWEAR-GEAR™
315842	260°	270°	.415	.415	106°	110°	1.765	1.24	.48	8660 Q&T	55 mm (2.165")R.B. Journals - EVERWEAR-GEAR™
315847	260°	270°	.415	.415	106°	110°	1.565	1.01	.48	8660 Q&T	50mm (1.969") EVERWEAR-GEAR™
315747	260°	270°	.415	.415	106°	110°	1.565	1.01	.48	8660 Q&T	50mm (1.969") Dist.Gear Intergral with shaft
1987-96 SB ROLLER TAPPET V-8 REVERSE ROTATION STEPPED FACE (CHAIN DRIVE) EF179											
315783	214°	214°	.300	.300	108°	112°	1.580	.90	.48	8660 Q&T	EVERWEAR-GEAR™

Chevy Small Block V8

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA.	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
GM 1987-96 SB V-8 LT1, LT4, L98, HYDRAULIC ROLLER CAMS STEPPED FRONT EF164											
315669	194°	204°	.271	.286	106°	116°	1.637	.92	.48	1055	Cast Distributor Gear
315769	194°	204°	.271	.286	106°	116°	1.637	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315660	207°	207°	.242	.242	108°	112°	1.666	.92	.48	1055	Cast Distributor Gear
315760	207°	207°	.242	.242	108°	112°	1.660	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315757	214°	214°	.300	.300	108°	116°	1.620	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315657	214°	214°	.300	.300	108°	116°	1.620	.90	.48	1055	Distributor Gear Intergral with shaft
315670	232°	242°	.334	.334	107°	117°	1.550	.90	.48	1055	Distributor Gear Intergral with shaft
315870	232°	242°	.334	.334	107°	117°	1.550	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315653	274°	274°	.425	.425	106°	110°	1.485	.90	.48	1055	Distributor Gear Intergral with shaft
315853	274°	274°	.425	.425	106°	110°	1.485	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315816	275°	275°	.400	.400	108°	108°	1.498	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315817	275°	275°	.400	.400	112°	112°	1.498	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315818	275°	275°	.400	.400	112°	112°	1.340	.85	.48	8660 Q&T	EVERWEAR-GEAR™
315819	280°	288°	.441	.441	112°	112°	1.457	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315820	280°	288°	.441	.441	112°	112°	1.381	.85	.48	8660 Q&T	EVERWEAR-GEAR™
315651	290°	290°	.350	.350	106°	110°	1.540	.92	.48	8660 Q&T	Cast Distributor Gear
315851	290°	290°	.350	.350	108°	112°	1.540	.90	.48	8660 Q&T	EVERWEAR-GEAR™
315650	290°	290°	.350	.350	106°	110°	1.540	.90	.48	1055	Distributor Gear Intergral with shaft
315827	290°	290°	.350	.350	108°	116°	1.470	.90	.48	8660 Q&T	Small Base Circle - EVERWEAR-GEAR™
315850	290°	290°	.350	.350	106°	110°	1.540	.90	.48	8660 Q&T	EVERWEAR-GEAR™
415601	290°	290°	.350	.350	108°	112°	1.540	1.00	.48	DUCTILE IRON	
These cams have stepped front nose with a reamed .50 hole. Pin protrudes .620 but can be pressed into .300 for early LT1/L98											
GM 1997-07 SB LS1, LS6 SB 350 C.I. (5.7L) V-8 3 BOLT Version HYDRAULIC ROLLER CAM EF187											
315829	226°	230°	.350	.345	110°	116°	1.826	1.15	.48	8660 Q&T	NO GUN DRILL
315647	230°	240°	.350	.350	110°	116°	1.825	1.24	.48	5150	
315814	230°	240°	.360	.355	110°	116°	1.816	1.15	.48	8660 Q&T	NO GUN DRILL
315604	234°	234°	.320	.320	110°	118°	1.895	1.24	.48	5150	
315709	234°	234°	.320	.320	114°	122°	1.895	1.24	.48	5150	
315703	234°	234°	.320	.320	109°	109°	1.899	1.24	.48	5150	
315623	236°	236°	.340	.340	110°	114°	1.860	1.24	.48	5150	
315692	240°	240°	.350	.350	110°	118°	1.865	1.24	.48	5150	
315654	240°	246°	.370	.365	110°	116°	1.805	1.24	.48	5150	
315831	240°	250°	.360	.355	110°	116°	1.816	1.15	.48	8660 Q&T	NO GUN DRILL
315704	258°	258°	.360	.360	109°	109°	1.785	1.24	.48	5150	
315705	258°	258°	.360	.360	112°	112°	1.820	1.24	.48	5150	
315600	260°	260°	.400	.400	109°	109°	1.830	1.24	.48	5150	
315815	275°	275°	.415	.415	109°	111°	1.765	1.24	.48	5150	

Chevy Small Block V8

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA.	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
GM "LS" GEN IV Single Bolt NON-VVT V-8 Roller Cam EF190											
315607	234°	234°	.320	.320	110°	118°	1.899	1.24	.48	5150	Base Circle Dia. 1.579"
315602	240°	240°	.350	.350	110°	118°	1.865	1.24	.48	5150	LS-2
GM "LS" GEN IV Single Bolt with Variable Valve Timing "VVT" V-8 Roller Cam EF190											
315619	234°	234°	.320	.320	*	*	1.895	1.24	.48	5150	* = Variable Valve Timing - 114° Sep. Angle - Dowel to #1 EXH. = 10°
315612	240°	245°	.340	.340	*	*	1.856	1.24	.48	5150	* = Variable Valve Timing - 114° Sep. Angle - Dowel to #1 EXH. = 9°
GM "LT1" GEN V Single Bolt with Variable Valve Timing "VVT" V-8 Roller Cam - With Fuel pump Tri-lobe EF193											
315645	230°	240°	.335	.335	*	*	1.850	1.24	.48	5150	Tri-lobe Lift = .297
315646	240°	250°	.350	.350	*	*	1.835	1.24	.48	5150	Tri-lobe Lift = .297
315628	242°	242°	.330	.330	*	*	1.870	1.24	.48	5150	Tri-lobe Lift = .297
1958-65 348-409 C.I. V-8 FLAT TAPPET CAM EF153											
115615	224°	224°	.248	.250	110°	114°	1.708	1.06	.50	Proferall	
1958-65 348-409 C.I. Chevy V-8 RETROFIT ROLLER CAMSHAFT EF153											
315603	267°	267°	.325	.325	108°	112°	1.574	1.06	.50	1055	4-7 SWAP FIRING ORDER
315610	270°	270°	.350	.350	108°	112°	1.550	1.06	.50	1055	STANDARD FIRING ORDER
CHEVY NASCAR SB V-8 SB2 CYL HEADS WITH STD BLOCK EF189											
315861	275°	275°	.400	.400	103°	113°	1.490	.90	.48	8660 Q&T	Std Bearings - EVERWEAR-GEAR™
315862	275°	275°	.400	.400	103°	113°	1.490	.90	.48	8660 Q&T	1.875" Roller Bearing Journals - EVERWEAR-GEAR™
315863	275°	275°	.410	.410	103°	113°	1.570	1.01	.48	8660 Q&T	1.949" Roller Bearing Journals - EVERWEAR-GEAR™
315864	275°	275°	.410	.410	103°	113°	1.575	1.01	.48	8660 Q&T	50 mm(1.969") Roller Bearing Journals - EVERWEAR-GEAR™
CHEVY NASCAR SB V-8 SB2 CYL HEADS WITH SB2 BLOCK EF180											
315895	275°	275°	.410	.410	105°	115°	1.770	1.12	.48	8660 Q&T	55MM BEARING NO GUN DRILL - EVERWEAR-GEAR™
315839	275°	275°	.410	.410	105°	115°	1.575	1.07	.48	8660 Q&T	50 mm(1.969") Roller Bearing Journals - EVERWEAR-GEAR™
MATCHING CHEVY DISTRIBUTOR GEARS FOR EVERWEAR™ CAM GEARS											
510026	Standard Rotation RH .500" Bore										
510039	Standard Rotation RH .500" Bore .003" Oversize										
510031	Standard Rotation RH .500" Bore .006" Oversize										
510040	Standard Rotation RH .500" Bore .009" Oversize										
510041	Standard Rotation RH .500" Bore .012" Oversize										
510042	Standard Rotation RH .500" Bore .015" Oversize										
510027	Standard Rotation RH .490" Bore										
510028	Reverse Rotation LH .500" Bore										
510029	Bronze Standard RH .490" Bore										
510034	Bronze Standard RH .500" Bore										
510032	Standard Rotation RH .427" Bore										
510033	Reverse Rotation LH .427" Bore										
Special cast iron high performance blend, case hardened											

Chevy Big Block V8

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
1967-97 BB FLAT TAPPET CAM. V-8 EF152											
115662	204°	214°	.280	.295	109°	115°	1.829	1.10	.54	Proferall	
115664	214°	214°	.260	.260	110°	116°	1.740	1.00	.54	Proferall	
115617	264°	264°	.329	.329	108°	116°	1.829	1.00	.54	Proferall	
115663	264°	270°	.330	.340	107°	117°	1.660	1.00	.54	Proferall	
67-97 BB FLAT TAPPET CAM. V-8 REVERSE ROTATION FIRING ORDER 1-2-7-5-6-3-4-8 EF158											
115637	214°	218°	.271	.282	110°	120°	1.811	1.20	.54	Proferall	LH Crank - RH Cam
1967-97 BB ROLLER CAM. V-8 STD ROTATION FLAT FACE EF177											
315679	232°	242°	.334	.334	107°	117°	1.630	1.00	.57	1055	Cast Distributor Gear
315678	232°	242°	.334	.334	107°	117°	1.660	1.03	.54	1055	Distributor Gear Intergral with shaft
315778	232°	242°	.334	.334	107°	117°	1.660	1.03	.54	8660 Q&T	EVERWEAR-GEAR™
315838	248°	248°	.380	.380	112°	116°	1.588	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315869	250°	250°	.350	.350	108°	112°	1.635	1.00	.54	8660 Q&T	EVERWEAR-GEAR™
315867	256°	256°	.380	.380	108°	112°	1.580	1.00	.54	8660 Q&T	EVERWEAR-GEAR™
315682	260°	270°	.417	.417	105°	115°	1.552	1.00	.57	1055	Cast Distributor Gear
315680	275°	286°	.400	.382	105°	115°	1.565	1.00	.57	1055	Cast Distributor Gear
315694	275°	275°	.400	.400	111°	109°	1.585	.97	.54	1055	Distributor Gear Intergral with shaft
315794	275°	275°	.400	.400	111°	109°	1.585	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315708	275°	280°	.410	.420	105°	115°	1.550	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315811	275°	280°	.410	.420	103°	113°	1.550	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315894	275°	286°	.400	.380	105°	115°	1.565	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315810	280°	284°	.450	.425	105°	115°	1.525	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315812	288°	292°	.460	.435	109°	119°	1.520	.97	.54	8660 Q&T	EVERWEAR-GEAR™
315729	290°	290°	.350	.350	108°	112°	1.630	1.03	.54	8660 Q&T	EVERWEAR-GEAR™
315629	290°	290°	.350	.350	108°	112°	1.630	1.03	.54	1055	Distributor Gear Intergral with shaft
315752	290°	310°	.500	.480	110°	120°	1.570	.97	.54	8660 Q&T	Distributor Gear Intergral with shaft
315711	300°	300°	.500	.500	111°	117°	1.695	1.02	.54	8660 Q&T	Distributor Gear Intergral with shaft
315813	304°	320°	.480	.480	112°	120°	1.510	.90	.54	8660 Q&T	EVERWEAR-GEAR™

Chevy Big Block V8

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA	LOBE WIDTH	MATERIAL	Notes:	
	INT.	EXH.	INT.	EXH.	INT.	EXH.						
CHEVY 1967-97 BB ROLLER CAM V8 4 X 7 FIRING ORDER SWAP FLAT FACE F.O. 1-8-7-3-6-5-4-2 EF177												
315868	250°	250°	.350	.350	108°	112°	1.630	1.03	.54	8660 Q&T	EVERWEAR-GEAR™	
315865	275°	286°	.400	.380	105°	115°	1.565	.97	.54	8660 Q&T	EVERWEAR-GEAR™	
315836	280°	284°	.450	.425	105°	115°	1.525	.97	.54	8660 Q&T	EVERWEAR-GEAR™	
315837	280°	284°	.450	.425	105°	115°	1.525	.97	.54	8660 Q&T	50mm (1.969") Roller Bearing Journals - EVERWEAR-GEAR™	
315879	289°	300°	.475	.450	109°	119°	1.525	.90	.54	8660 Q&T	EVERWEAR-GEAR™	
315852	290°	310°	.500	.480	110°	120°	1.570	.90	.54	8660 Q&T	EVERWEAR-GEAR™	
315801	300°	300°	.500	.500	111°	117°	1.695	1.03	.54	8660 Q&T	55MM Bearing Journals - EVERWEAR-GEAR™	
315825	304°	320°	.480	.480	112°	120°	1.510	.90	.54	8660 Q&T	EVERWEAR-GEAR™	
BB ROLLER CAM. V-8 REVERSE ROTATION, FLAT FACE - FIRING ORDER 1-2-7-5-6-3-4-8 EF178												
315681	275°	275°	.400	.400	107°	113°	1.565	1.00	.57	1055	Cast Distributor Gear	
BB MARK VI ROLLER CAM. V-8 (STEPPED FRONT) EF181												
315685	222°	232°	.334	.334	107°	117°	1.660	1.03	.54	1055	Distributor Gear Intergral with shaft	
315885	222°	232°	.334	.334	107°	117°	1.660	1.03	.54	8660 Q&T	EVERWEAR-GEAR™	
315697	232°	242°	.334	.334	107°	117°	1.645	1.06	.54	1055	EVERWEAR-GEAR™	
315826	250°	250°	.350	.350	108°	112°	1.630	1.00	.54	8660 Q&T	EVERWEAR-GEAR™	
315696	275°	275°	.400	.400	111°	109°	1.585	.97	.54	8660 Q&T	Distributor Gear Intergral with shaft	
315896	275°	275°	.400	.400	111°	109°	1.585	.97	.54	8660 Q&T	EVERWEAR-GEAR™	
BB MARK VI ROLLER CAM. REVERSE ROTATION (STEPPED FRONT) F.O. 1-2-7-5-6-3-4-8 EF184												
315688	222°	232°	.334	.334	107°	117°	1.630	1.06	.54	1055	Cast Distributor Gear	
315788	222°	232°	.334	.334	107°	117°	1.630	1.03	.54	8660 Q&T	EVERWEAR-GEAR™	
BB 8.1L ROLLER CAM. V-8 STANDARD ROTATION FIRING ORDER 1-8-7-2-6-5-4-3 EF188												
315710	254°	254°	.350	.350	108°	116°	1.630	1.03	.54	8660 Q&T	EVERWEAR-GEAR™ 5/16" threads	
MATCHING CHEVY DISTRIBUTOR GEARS FOR EVERWEAR™ CAM GEARS												
510026	Standard Rotation RH .500" Bore						510027	Standard Rotation RH .490" Bore				
510039	Standard Rotation RH .500" Bore .003" Oversize						510028	Reverse Rotation LH .500" Bore				
510031	Standard Rotation RH .500" Bore .006" Oversize						510029	Bronze Standard RH .490" Bore				
510040	Standard Rotation RH .500" Bore .009" Oversize						510034	Bronze Standard RH .500" Bore				
510041	Standard Rotation RH .500" Bore .012" Oversize						510032	Standard Rotation RH .427" Bore				
510042	Standard Rotation RH .500" Bore .015" Oversize						510033	Reverse Rotation LH .427" Bore				
Special cast iron high performance blend, case hardened												

Chrysler - Dodge Truck -Viper

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL SIZE	BODY DIAMETER	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
Chrysler 1981-87 2.2L.- 135 cu.in. 1986-87 2.5L - 153 cu.in. OHC											EF032
111617	202°	202°	.243	.243	110°	110°	1.743	.94	.87	Proferall	
Chrysler 1964-89 273-340-360 C.I., 1967-89 318 C.I. V-8 (FLAT TAPPET Lifters) "A" ENG.											EF021
111611	244°	244°	.330	.330	107°	113°	1.850	1.00	.56	Proferall	
Chrysler 1964-73 273-340 C.I., 1967-90 318 C.I. 1971-93 360 C.I. V-8 (FOR ROLLER LIFTERS) "A" ENG.											EF036
411631	222°	222°	.319	.319	109°	119°	1.857	1.00	.50	DUCTILE IRON	
311802	280°	280°	.425	.425	105°	115°	1.560	.91	.56	8660 Q&T	
311619	290°	290°	.350	.350	105°	115°	1.630	1.00	.56	1055	
This camshaft has a 1.13" long gear press fit (Front Nose) and oil holes in the interm bearings.											
Chrysler 1958-78 350-361-383-400-413-426 (Exc. Hemi), 440 C.I. V-8 ("B" ENG. USE SINGLE BOLT)"B" ENG.											EF022
111605	248°	248°	.293	.293	105°	115°	1.755	1.03	.56	Proferall	
Chrysler 1970-78 -383-400-440 (USE 3 BOLT GEAR) "B" ENG.											EF027
111624	230°	230°	.315	.315	110°	114°	1.670	1.00	.56	Proferall	
111607	275°	275°	.290	.290	109°	115°	1.774	1.03	.56	Proferall	
Chrysler 1970-78 -383-400-440 (USE SINGLE BOLT GEAR) "B" ENG.											EF022
111626	230°	230°	.315	.315	110°	114°	1.670	1.00	.56	Proferall	
Chrysler 1958-78 ALL SB V-8 (Exc. Hemi) ROLLER CAM WITH 3 BOLT GEAR "B" ENG.											EF027
311812	244°	244°	.350	.350	108°	116°	1.630	.91	.56	8660 Q&T	
311803	280°	280°	.425	.425	105°	115°	1.560	.91	.56	8660 Q&T	
311623	310°	310°	.500	.500	112°	116°	1.512	.88	.56	1055	
311823	310°	310°	.500	.500	112°	116°	1.512	.88	.56	8660 Q&T	
Chrysler 392 1957-58 "Hemi" V-8 FLAT TAPPET - F.O. 1-8-4-3-6-5-7-2											EF031
111627	242°	242°	.306	.306	106°	116°	1.790	1.18	.56	Proferall	
Chrysler 1966-71 426 "Hemi" V-8 (USE 3 BOLT GEAR) FLAT TAPPET											EF030
111606	276°	276°	.346	.346	107°	117°	1.826	1.05	.56	Proferall	
Chrysler 1966-71 426 "Hemi" V-8 (USE 3 BOLT GEAR) ROLLER LIFTER											EF030
311804	280°	280°	.425	.425	105°	115°	1.560	.91	.56	8660 Q&T	
Chrysler HEMI 2000 UP 5.7L AND 6.2L ROLLER CAM											EF045
311813	240°	240°	.350	.350	112°	116°	1.915	1.30	.60	1055	GUN DRILLED
Dodge Truck 1990-91 318-360 5.2L, 5.9L V-8 Short Nose with oil holes											EF042
411627	222°	222°	.319	.319	109°	119°	1.857	1.00	.50	DUCTILE IRON	
Dodge Truck 1994-98 360 5.9L V-8 Short Nose without oil holes											EF042
411628	222°	222°	.319	.319	109°	119°	1.857	1.00	.50	DUCTILE IRON	MAGNUM
Dodge Viper V10											EF040
411680	193°	193°	.258	.269	109°	119°	1.910	1.00	.50	DUCTILE IRON	

Ford

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
Escort 1981-85 98 C.I. (1.6L) CVH 4 Cyl. EF069											
112621	224°	224°	.310	.310	106°	117°	1.635	1.00	.62	Proferall	
1985-86 116 C.I. (1.9L) CVH 4 Cyl. EF080											
112631	224°	224°	.310	.310	108°	115°	1.635	1.00	.62	Proferall	
1985-86 116 C.I. (1.9L) CVH 4 Cyl. EF080											
112629	224°	224°	.310	.310	108°	115°	1.635	1.00	.62	Proferall	
Pinto 1971-74 122 C.I. (2.0L) OHC 4 Cyl. 3 CAM BEARING EF057											
112606	250°	250°	.254	.254	108°	98°	1.574	1.08	.83	Proferall	Flat Follower
1983-88 122 C.I. (2.0L) 1974-90 140 C.I. (2.3L) OHC 4 Cyl. 4 CAM BEARING EF058											
112619	231°	239°	.280	.281	107°	114°	1.562	.97	.83	Proferall	
1983-88 122 C.I. (2.0L) 1974-90 140 C.I. (2.3L) OHC 4 Cyl. 4 CAM BEARING Roller Cam EF086											
312667	270°	270°	.340	.340	105°	105°	1.460	.95	.68	1055	
1984-91 140 C.I. (2. 3L) 1986-91 153 C.I. (2. 5L) OHV 4 Cyl. (HSC ENGINE) EF078											
112632	214°	214°	.295	.295	110°	114°	1.815	1.12	.58	Proferall	
1960-83 144-170-200-250 C.I. 6 cyl. EF056											
112605	184°	184°	.245	.245	103°	107°	1.665	1.12	.56	Proferall	
1965-94 240-300 C.I. L6 cyl. EF059											
112608	192°	192°	.248	.248	105°	115°	1.795	1.22	.56	Proferall	
112668	192°	192°	.248	.248	110°	110°	1.795	1.22	.56	Proferall	
1972-73 159 C.I. 2600cc V-6, 1974-79 171 C.I. 2800cc V-6 EF065											
112616	232°	232°	.300	.300	108°	110°	1.444	.87	.50	Proferall	
1983-86 171 C.I. (2.8L) V-6 EF094											
112623	232°	232°	.300	.300	108°	110°	1.444	.87	.50	Proferall	
1989-91 232 C.I. (3. 8L) V-6 (USE W/ROLLER LIFTERS) EF087											
312636	224°	224°	.300	.300	108°	119°	1.810	1.03	.51	1055	
312643	225°	234°	.255	.267	112°	112°	1.740	1.11	.51	1055	
1982-83 232 C.I. (3. 8L) V-6 EF070											
112622	244°	244°	.330	.330	106°	114°	1.860	1.12	.48	Proferall	

Ford

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
1962-91 221 - 302 C.I. V-8											EF053
112601	187°	187°	.238	.238	105°	111°	1.838	1.00	.51	Proferall	
112602	240°	240°	.312	.312	109°	115°	1.812	1.00	.51	Proferall	
112610	251°	251°	.330	.330	102°	112°	1.830	1.00	.51	Proferall	
112615	276°	276°	.312	.312	110°	110°	1.862	1.00	.56	Proferall	
1962-91 221 - 302 C.I. V-8 USE ROLLER LIFT. FIRING ORDER 1-5-4-2-6-3-7-8											EF076
312650	198°	208°	.278	.294	112°	112°	1.772	.90	.51	1055	
312649	242°	242°	.334	.334	106°	116°	1.737	.90	.51	1055	
312624	290°	290°	.350	.350	106°	110°	1.640	.98	.51	1055	
FLATHEAD V-8 1938-48 239 C.I. INCLUDES OIL PUMP GEAR ON CAM											EF082
112633	230°	230°	.330	.330	107°	111°	1.550	1.00	.50	Proferall	With Oil Pump Gear
FLATHEAD V-8 1949-53 239 C.I. INCLUDES OIL AND DIST. GEARS ON CAM											EF083
112635	230°	230°	.330	.330	107°	111°	1.550	1.00	.50	Proferall	With Oil Pump and Distributor Gears
1969-91 351 W C.I. V-8 Standard Journals											EF054
112603	244°	244°	.300	.300	108°	116°	1.860	1.00	.51	Proferall	
1969-91 351 W C.I. V-8 with straight bearings											EF054
112641	206°	221°	.278	.283	115°	115°	1.840	1.00	.51	Proferall	2.081" Bearing Journals
351 W V-8 STANDARD (R.H.) ROTATION "CHAIN DRIVE "											EF054
112634	206°	221°	.278	.283	113°	117°	1.838	1.00	.51	Proferall	
351 W V-8 REVERSE ROTATION "CHAIN DRIVE" FIRING ORDER 1-8-4-5-6-2-7-3											EF071
112637	206°	221°	.278	.283	113°	117°	1.838	1.00	.51	Proferall	
1969-91 351W C.I., 1982-95 302 C.I. H/O V-8 HYDRAULIC OR SOLID ROLLER											EF077
312653	208°	216°	.331	.331	107.5°	116.5°	1.719	1.12	.51	1055	1.393 Base Cir. Dia
312628	210°	210°	.278	.278	115°	115°	1.798	1.12	.51	1055	1.520 Base Cir. Dia
312642	232°	232°	.334	.334	109°	115°	1.774	1.12	.51	1055	1.440 Base Cir. Dia
312852	232°	242°	.334	.334	109.5°	118.5°	1.717	1.00	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
312652	232°	242°	.334	.334	109.5°	118.5°	1.717	1.12	.51	1055	1.388 Base Cir. Dia
312810	290°	290°	.350	.350	110°	110°	1.475	.90	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™

Ford

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
1969-91 351W C.I., 1982-95 302 C.I. H/O V-8 HYDRAULIC OR SOLID ROLLER (Continued) EF077											
312826	262°	262°	.380	.380	107°	115°	1.686	1.00	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
312673	275°	275°	.400	.400	103°	113°	1.665	.98	.51	1055	Distributor Gear Intergral with shaft 3/8-16 tapped nose
312801	275°	275°	.400	.400	103°	113°	1.665	1.00	.51	8660 Q&T	All 5 Journals 2.051" - 7/16-20 Tapped Nose - EVERWEAR-GEAR™
312811	275°	275°	.430	.430	106°	114°	1.765	1.12	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
312800	280°	280°	.425	.425	105°	115°	1.625	1.00	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
312807	280°	280°	.425	.425	101°	111°	1.625	1.00	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
312804	280°	280°	.425	.425	105°	115°	1.625	1.00	.51	8660 Q&T	All 5 Journals 2.051" - 7/16-20 Tapped Nose - EVERWEAR-GEAR™
312813	286°	286°	.460	.445	110°	118°	1.621	1.00	.51	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose
312625	290°	290°	.350	.350	106°	110°	1.730	1.12	.51	1055	1.380 Base Cir. Dia
312665	290°	290°	.350	.350	112°	112°	1.730	1.12	.51	1055	1.380 Base Cir. Dia
312825	290°	290°	.350	.350	106°	110°	1.730	1.00	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
312865	290°	290°	.350	.350	112°	112°	1.730	1.00	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
351W SVO BLOCKS 55 MM CORE WITH #5 MAIN 50 MM EF077											
312812	275°	275°	.430	.430	106°	114°	1.765	1.12	.51	8660 Q&T	7/16-20 Tapped Nose - EVERWEAR-GEAR™
1970-82 351C-351M-400 C.I. V-8 EF055											
112604	276°	276°	.270	.270	108°	116°	1.830	1.00	.51	Proferall	
1970-82 351C-351M-400 C.I. V-8 (USE HYDRAULIC ROLLER LIFTERS) EF096											
312626	290°	290°	.350	.350	106°	110°	1.640	.98	.51	1055	
312806	285°	285°	.410	.410	103°	113°	1.660	1.00	.51	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose
1963-76 352-360-390-406-410-427-428 C.I. V-8 "FE" EF064											
312805	232°	232°	.335	.335	106°	116°	1.805	1.12	.62	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose
112613	245°	245°	.303	.303	112°	112°	1.913	1.00	.56	Proferall	
312803	285°	285°	.410	.410	103°	113°	1.735	1.12	.62	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose
1968-94 370-429-460 cubic inch V-8 EF052											
112600	244°	244°	.278	.278	110°	112°	1.874	1.12	.56	Proferall	
1968-94 370-429-460 cubic inch V-8 Roller cams EF046											
312808	237°	243°	.370	.377	104°	116°	1.800	1.12	.62	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose
312802	282°	282°	.430	.430	104°	112°	1.730	1.12	.62	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose
312809	300°	300°	.490	.490	111°	117°	1.670	1.00	.62	8660 Q&T	Distr. Gear Intergral with shaft - 7/16-20 Tapped Nose

Ford

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL	BODY DIA	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
1996 - 2003 SOHC 4.6L 2 VALVE V-8 EF081											
312659	240°	248°	.306	.306	111°	117°	2.301	.90	.44	1055	RH 1.950 Stock Base Cir.
312660	240°	248°	.306	.306	111°	117°	2.301	.90	.44	1055	LH 1.950 Stock Base Cir.
1996-2003 DOHC 4 VALVE 4.6L V-8 EF081											
312661	213°	213°	.288	.288	112.7°	NA	2.286	.90	.44	1055	RH Int. 1.950 Stock Base Cir.
312663	213°	213°	.288	.288	112.7°	NA	2.286	.90	.44	1055	LH Int. 1.950 Stock Base Cir.
312662	217°	217°	.288	.288	N/A	112.7°	2.286	.90	.44	1055	RH Exh. 1.950 Stock Base Cir.
312664	217°	217°	.288	.288	N/A	112.7°	2.286	.90	.44	1055	LH Exh. 1.950 Stock Base Cir.
2004-UP SOHC 3 VALVE 4.6L & 5.4I V-8 EF088											
312671	213°	236°	.288	.330	105°	119°	2.140/2.180	1.00	.50	1055	RH 1.772 STOCK BASE CIRCLE
312672	213°	236°	.288	.330	105°	119°	2.140/2.180	1.00	.50	1055	LH 1.772 STOCK BASE CIRCLE
312681	213°	236°	.288	.330	105°	119°	2.140/2.180	1.00	.50	1055	Journals overisze .020"
312682	213°	236°	.288	.330	105°	119°	2.140/2.180	1.00	.50	1055	Journals overisze .020"
NOTE: THIS CAM IS ELECTRONICALLY CONTROLLED (ADV. FIGURES ARE FULLY ADVANCED)											
MATCHING FORD DISTRIBUTOR GEARS FOR EVERWEAR™ CAM GEARS											
510030	Std Rotation RH .500" Bore										
510035	.003" Oversize Rotation RH .500" Bore										
510036	.006" Oversize Rotation RH .500" Bore										
510037	.009" Oversize Rotation RH .500" Bore										
510038	.012" oversize Rotation RH .500" Bore										
Special cast iron high performance blend, case hardened											

Oldsmobile - Pontiac

PART NO.	.050 DUR		CAMLIFT		LOBE CENTER		TOE TO HEEL SIZE	BODY DIAMETER	LOBE WIDTH	MATERIAL	Notes:
	INT.	EXH.	INT.	EXH.	INT.	EXH.					
Oldsmobile 1967-85 260-307-350-400-403-425-455 C.I. V-8 (39 DEG. CAM BANK ANGLE)											
117607	226°	226°	.246	.246	110°	114°	1.846	1.00	.56	Proferall	EF222
117603	275°	275°	.310	.310	108°	112°	1.770	.98	.56	Proferall	
Oldsmobile 1967-85 260-307-350-400-403-425-455 C.I. V-8 (39 DEG. CAM BANK ANGLE) 4-7 Swap firing order (1-8-7-3-6-5-4-2)											
317600	270°	270°	.350	.350	108°	112°	1.655	1.06	.53	1055	EF222
Oldsmobile 1978-85 350 C.I. (5. 7L) V-8 DIESEL (ROLLER LIFTERS)											
317606	250°	250°	.350	.350	106°	114°	1.720	.92	.53	1055	EF223
Pontiac 1979-89 151 C.I. (2.5L) 4 cyl. (USE W/FLAT LIFTERS)											
118602	242°	242°	.317	.317	108°	114°	1.817	1.20	.50	Proferall	EF242
Pontiac 1977-79 151 C.I. (2.5L) 4 Cyl. (With SINGLE DIST. GEAR)											
118603	226°	226°	.232	.232	109°	113°	1.702	1.20	.50	Proferall	EF243
Pontiac 1955-81 265-287-301-316-326-347-350-370-389-400-421-428-455 C.I. V-8											
118600	244°	244°	.330	.330	112°	112°	1.790	1.00	.56	Proferall	EF241
Pontiac 1955-81 265-287-301-316-326-347-350-370-389-400-421-428-455 C.I. V-8 "4-7 Swap" (1-8-7-3-6-5-4-3)											
318600	270°	270°	.350	.350	108°	112°	1.580	1.06	.52	1055	EF241
318601	278°	278°	.435	.435	106°	114°	1.490	1.06	.52	1055	