

Technical Information

ERSON'S Cam recommendation form



Name: _____
Address: _____
Phone: _____
E-mail address: _____

Vehicle:
Year: _____ Make: _____ Model: _____
Weight: _____ Use: _____
Street: _____ Street/Strip: _____ Show car: _____
1/8 mile drag: _____ 1/4 mile drag: _____ Puller: _____
Oval track: _____ Asphalt: _____ Dirt: _____
1/4 mile: _____ 3/8 mile: _____ 1/2 mile: _____
Marine: _____ Jet Drive: _____ Prop Drive: _____

Engine:
Year: _____ Make: _____ Number of cylinders: _____
Cubic inch: _____ Compression: _____ Bore: _____
Stroke: _____ Rod type: _____ Piston type: _____
Cast: _____ Forged: _____

Cylinder Heads:
Make: _____ Model: _____ Chamber CC's: _____
Stock: _____ Ported: _____ Port matched: _____
Valve size intake: _____ Valve size exhaust: _____
Rocker ratio intake: _____ Rocker ratio exhaust: _____

Induction:
Carb/s cfm: _____ Mechanical FI: _____ Electronic FI: _____
Manifold type: _____ Blown: _____ Turbo/s: _____
Type of Fuel: _____ Nitrous: _____ No. Stages: _____

Exhaust:
Manifold type: _____ Headers/diameter: _____ Mufflers: _____

Drivetrain:
Transmission type: _____ Converter stall speed: _____
Rear axle ratio: _____ Tire diameter: _____
D.O.T.: _____ Slick: _____ Other: _____

RPM range: _____ Idle speed: _____

Emissions standards required: _____

Computer controlled:
Stock: _____ Chip: _____ Large injectors: _____
Mass air sensor: _____ Speed density sensor: _____

Cam currently used: _____ Type: _____
Intake duration: _____ @.050: _____ Valve lift: _____
Exhaust duration: _____ @.050: _____ Valve lift: _____
Lobe separation: _____ Intake lobe centerline: _____

Cam type desired:
Hydraulic: _____ Mechanical/Solid: _____
Hydraulic roller: _____ Solid roller: _____

Desired change in performance: _____



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CUSTOM CAMSHAFTS GRINDING INFORMATION

HYDRAULIC ROLLER, MECHANICAL ROLLER HYDRAULIC FLAT TAPPET, MECHANICAL FLAT TAPPET



ORDERING INFORMATION: Erson Cams will grind any of the applications listed below to your specifications. Please use the part number that identifies your engine and the cam profiles that are listed on our lobe profile sheet. With this information please call or fax your information to the Erson Technical Service Department (800)641-7920/Fax (775)246-7839.

APPLICATION	YEAR	ENGINE SIZE	CAMSHAFT/TAPPET	PART NO.
American Motors L6	1965-91	199, 232, 258/4.2L	Flat tappet: Hydraulic or Mechanical	E720000
American Motors V8	1965-93	290, 304, 343, 360, 390, 401	Flat tappet; Hydraulic or Mechanical	E710000
American Motors L6	1998-04	4.0L EFI	Flat tappet Hydraulic	E730000
American Motors V8	1966-93	290, 304, 343, 360, 390, 401	Roller; Mechanical	E710999
Buick V6	1962-71	198, 225	Flat tappet; Hydraulic or Mechanical	E660000
Buick V6	1962-71	198, 225	Roller; Mechanical	E660999
Buick V6	1975-77	231	Flat tappet; Hydraulic or Mechanical	E690000
Buick V6	1978-85	196, 231, 252	Flat tappet; Hydraulic or Mechanical	E670000
Buick V6	1978-85	196, 231, 252	Roller; Mechanical	E670999
Buick V8	1961-67	215, 300, 340	Flat tappet; Hydraulic or Mechanical	E640000
Buick V8	1968-80	350	Flat tappet; Hydraulic or Mechanical	E650000
Buick V8	1967-76	400, 430, 455	Flat tappet; Hydraulic or Mechanical	E630000
Buick V8	1967-76	400, 430, 455	Retrofit Roller Hydraulic	E630996
Cadillac V8	1968-84	368, 425, 472, 500	Flat tappet; Hydraulic or Mechanical	E520000
Cadillac V8	1968-84	368, 425, 472, 500	Retrofit Roller Hydraulic	E540996
Chevrolet L4	1962-70	153 (Chevy II)	Flat tappet; Hydraulic or Mechanical	E180000
Chevrolet L6	1962-84	194, 230, 250	Flat tappet; Hydraulic or Mechanical	E160000
Chevrolet L6	1937-63	216, 235, 261	Flat tappet; Hydraulic or Mechanical	E150000
Chevrolet L6	1963-90	292	Flat tappet; Hydraulic or Mechanical	E170000
Chevrolet V6	1978-84	200/3.3L, 229/3.8L	Flat tappet; Hydraulic or Mechanical	E190000
Chevrolet V6	-	Odd-fire, 37° tappet bore	Roller; Mechanical	E190999
Chevrolet V6	1985-86	262/4.3L	Flat tappet; Hydraulic or Mechanical	E195000
Chevrolet V6	1987-91	262/4.3L	Roller; Hydraulic	E195999
Chevrolet V6	1981-94	(60°); 173/2.8L, 189/3.1L	Flat tappet; Hydraulic or Mechanical	E199000
Chevrolet V6	1981-94	(60°); 173/2.8L, 189/3.1L	Roller; Mechanical	E199999
Chevrolet V8 GEN III	1997-UP	LS1/LS2/LS6/4.8L,5.3L,5.7L,6.0L	Roller Hydraulic	E110993
Chevrolet V8 Small Block	1957-96	262-400	Flat tappet; Hydraulic or Mechanical	E110000
Chevrolet V8 Small Block	1957-86	262-400	Solid Roller 4-7 Swap	E110994
Chevrolet V8 Small Block	1957-86	262-400	Solid Roller 4x7-3x2 Firing Order Swap	E110994A
Chevrolet V8 Small Block	1987-96	305/5.0L, 350/5.7L/LT-1	Roller; Hydraulic Stepnose	E110995
Chevrolet V8 Small Block	1987-97	305/5.0L, 350/5.7L/LT-1	4-7 Swap Roller Hydraulic Stepnose	E110995-47
Chevrolet V8 Small Block	1957-86	262-400	Roller; <i>Retrofit</i> Hydraulic	E110996
Chevrolet V8 Small Block	1957-86	262-400	4-7 Swap Retro Fit Roller Hydraulic	E110996-47
Chevrolet V8 Small Block	1957-96	262-400	Roller; Mechanical, 2-piece iron gear 8620 billet	E110997
Chevrolet V8 Small Block	1957-96	262-400	Roller; Mechanical, small base circle	E110998
Chevrolet V8 Small Block	1957-96	262-400	Roller; Mechanical	E110999
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Flat tappet; Hydraulic or Mechanical	E120000
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Solid Roller 4-7 Swap	E120994
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Solid Roller 4x7-3x2 Firing Order Swap	E120994A
Chevrolet V8 Big Block	1996-99	454, 502	Gen 6 Roller Hydraulic Stepnose	E120995
Chevrolet V8 Big Block	1996-99	454, 502	Gen 6 Stepnose Solid Roller	E120995SR
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Roller; Hydraulic	E120996
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Retro Fit 4-7 Swap Roller Hydraulic	E120996-47
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Roller; Mechanical, 2-piece iron gear 8620 billet	E120997
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Roller; Mechanical, small base circle	E120998
Chevrolet V8 Big Block	1967-95	396, 402, 427, 454/7.4L, 502/8.2L	Roller; Mechanical	E120999
Chevrolet V8 Big Block	1958-65	348, 409, 427(Z-11)	Flat Tappet; Hydraulic or Mechanical	E140000
Chevrolet V8 Big Block	1958-65	348, 409, 427(Z-11)	Retrofit Roller Hydraulic	E140996
Chevrolet V8 Big Block	1958-65	348, 409, 427(Z-11)	Solid Roller	E140999



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CAMSHAFT SPECIAL GRINDING INFORMATION



APPLICATION	YEAR	ENGINE SIZE	CAMSHAFT/TAPPET	PART NO.
Chrysler L6	1960-80	170, 198, 225; Slant 6	Flat tappet; Mechanical	E470000
Chrysler L6	1960-87	170, 198, 225; Slant 6	Retrofit Flat tappet Hydraulic	E470001
Chrysler V8 LA	1965-95	273, 340, 360; 1967-95 318	Flat tappet; Hydraulic or Mechanical	E420000
Chrysler V8 LA	1965-89	273, 340, 360, 1967-95 318	Retro Fit Roller Hydraulic	E420996
Chrysler V8 LA	1965-95	273, 340, 360; 1967-95 318	Roller; Mechanical	E420999
Chrysler V8 B, RB	1958-79	361, 383, 400, 413, 426 Wedge, 440	Flat tappet; Hydraulic or Mechanical	E410000
Chrysler V8 B, RB	1958-79	361,383,400,413,426 Wedge, 440	Retro Fit Roller Hydraulic	E410996
Chrysler V8 B, RB	1958-79	361, 383, 400, 413, 426 Wedge, 440	Roller; Mechanical	E410999
Chrysler V8 Magnum	1992-98	318/360	Roller Hydraulic	E430996
Chrysler V8 Hemi	2003-UP	5.7/6.1L	Roller Hydraulic	E440996
Chrysler V8 Hemi	1966-71	426	Retro Fit Roller Hydraulic	E460996
Chrysler V8 Hemi	1957-58	392; Donovan 417	Roller; Mechanical	E480999
Chrysler V8 Hemi	1966-71	426	Flat tappet; Hydraulic or Mechanical	E460000
Chrysler V8 Hemi	1966-71	426	Retrofit Roller Mechanical	E490994
Chrysler V8 Hemi	1966-71	426	Roller; Mechanical	E460999
Chrysler V8 Aftermarket Hemi	-	Keith Black Stage 7, 48°	Roller; Mechanical	E466994
Chrysler V8 Aftermarket Hemi	-	Keith Black Stage 7 & TFX, 48°	Roller; Mechanical, 2.125 journal 9310 billet	E466999
Ford L4 1.6L	1971-80	O.H.V. 1600cc	Flat tappet; Mechanical	E250000
Ford L4 2.0L	1971-74	O.H.C. 2000cc	Mechanical tappet/follower	E259000
Ford L4 2.0L	1983-88	O.H.C. 2.0L Ranger	Hydraulic tappet/follower	E253000
Ford L4 2.3L	1974-90	2300cc/2.3L, Pinto, Ranger, Aerostar	Hydraulic tappet/follower	E253000
Ford L6	1960-83	144, 170, 200, 250	Flat tappet; Hydraulic or Mechanical	E280000
Ford L6	1965-92	240, 300	Flat tappet; Hydraulic or Mechanical	E270000
Ford V6	1972-79	2600cc, 2800cc	Flat tappet; Hydraulic or Mechanical	E252000
Ford V6	1983-86	2.8L Bronco II, Ranger, Aerostar	Flat tappet; Hydraulic or Mechanical	E254000
Ford V8	1955-62	272, 292, 312	Flat tappet; Hydraulic or Mechanical	E200000
Ford V8 Windsor	1962-95	221, 255, 260, 289, 302 Boss, 302/5.0L Except H.O.	Flat tappet; Hydraulic or Mechanical	E210000
Ford V8 Windsor	1962-95	221, 255, 260, 289, 302 Boss, 302/5.0L Except H.O.	Roller; Mechanical	E210999
Ford V8 Windsor	1969-95	351W/5.8L; 1982-84 302/5.0L H.O.	Flat tappet; Hydraulic or Mechanical	E212000
Ford V8 Windsor	1969-95	351W/5.8L; 1985-95 302/5.0: H.O.	Roller; Hydraulic	E212996
Ford V8 Windsor		260; 351W	Retrofit Roller Hydraulic Small Base Circle	E212996R
Ford V8 Windsor	1969-95	351W/5.8L; 1985-95 302/5.0L H.O.	Roller; Hydraulic, small base circle	E212998
Ford V8 Windsor	1969-95	351W/5.8L; 1985-95 302/5.0L H.O.	Roller; Mechanical	E212999
Ford V8 Modular	1991-UP	4.6/5/4 SOHC 2 valve	Roller Hydraulic	E213996
Ford V8 Modular	1996-03	4.6 DOHC 4 Valve	Roller Hydraulic	E214996
Ford V8 Cleveland	1970-82	351C, 351M, 351Boss, 400	Retro Fit Roller Hydraulic	E220996
Ford V8 Cleveland	1970-82	351C, 351M, 351 Boss, 400	Flat tappet; Hydraulic or Mechanical	E220000
Ford V8 Cleveland	1970-82	351C, 351M, 351 Boss, 400	Roller; Mechanical	E220999
Ford V8 FE	1963-76	352, 360, 390, 427, 428	Retro Fit Roller Hydraulic	E240996
Ford V8 FE	1963-76	352, 360, 390, 406, 410, 427, 428	Flat tappet; Hydraulic or Mechanical	E240000
Ford V8 FE	1963-76	352, 360, 390, 406, 410, 427, 428	Roller; Mechanical	E240999
Ford V8 Big Block	1968-95	429, 429CJ, 429SCJ, 460	Flat tappet; Hydraulic or Mechanical	E260000
Ford V8 Big Block	1968-95	429,429CJ,429SCJ, 460,406, 410	Retro Fit Roller Hydraulic	E260996
Ford V8 Big Block	1968-95	429, 429CJ, 429SCJ, 460	Roller; Mechanical	E260999
Ford V8 Flat Head	1949-53	239	Flat Tappet Mechanical	E290000
Ford V8 Flat Head	1932/49	239	Flat Tappet Mechanical	E291000
Oldsmobile V8 39°	1966-84	307, 350, 400, 403, 425, 455	Flat tappet; Hydraulic or Mechanical	E540000
Oldsmobile V8 39°	1966-84	307, 350, 400, 403, 425, 455	Retro Fit Roller Hydraulic	E540996
Oldsmobile V8 39°	1966-84	307, 350, 400, 403, 425, 455	Roller; Mechanical	E540999
Oldsmobile V8 45°	1964-67	330, 400, 425	Flat tappet; Hydraulic or Mechanical	E550000
Pontiac L4	1979-84	151 "Iron Duke"	Flat tappet; Hydraulic or Mechanical	E114000
Pontiac L4	1979-84	151 "Iron Duke"	Roller; Mechanical	E114999
Pontiac V8	1955-81	265/4.3L, 287, 301/4.9L, 326, 350 389,400/6.6L, 421, 428, 455	Flat tappet; Hydraulic or Mechanical	E300000
Pontiac V8	1955-81	265/4.3L,287,301/4.9L,326,350 389,400/6.6L,421,455	Retro Fit Roller Hydraulic	E310996
Pontiac V8	1955-81	265/4.3L, 287, 301/4.9L, 326, 350 389,400/6.6L, 421, 428, 455	Flat tappet; Hydraulic or Mechanical	E310999



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APPLICATION	YEAR	ENGINE SIZE	CAMSHAFT/TAPPET	PART NO.
Porsche	-	912	Flat tappet; Mechanical	E735500
Toyota L4	1975-91	2000cc/20R, 2400cc/22R/ 22RE/22REC/22RTEC	Mechanical tappet/follower	E722000
Toyota L4 Hemi	1970-82	1600cc/2TC, 1800cc/3TC	Flat tappet; Mechanical	E735000
VW 411/Porsche 914	-	-	Flat tappet; Mechanical	E750000
VW Type 1	-	-	Flat tappet; Mechanical	E740000
VW Water Cooled	-	-	Flat tappet; Mechanical	E792000
Misc	-	-	Flat tappet; Hydraulic or Mechanical	E880000
Misc	-	-	Roller; Hydraulic or Mechanical	E880999

BEARING JOURNAL SPECIFICATIONS



<u>DESCRIPTION</u>	<u>FINISHED SIZE</u>	<u>TYPE</u>	<u>USAGE</u>
SB CHEVY STD	1.8682-1.8692	BUSHING	ALL
SM CHEVY ROLLER STD	1.8745-1.8755	ROLLER	ALL
BB & ROCKET BLOCK	1.9487-1.9497	BUSHING	ALL
50MM SERIES 8	1.9679-1.9686	ROLLER	ALL
55MM SERIES 8	2.1649-2.1656	ROLLER	ALL
60MM SERIES 8	2.3616-2.3623	ROLLER/BUSHING	ALL
65MM SERIES 8	2.5584-2.5591	ROLLER/BUSHING	ALL
70MM SERIES 8	2.7553-2.7560	ROLLER/BUSHING	ALL
LS1-6 55 MM SERIES 6 & 7	2.1650-2.1660	BUSHING	ALL
LS1-6 55 MM SERIES 8	2.1649-2.1656	BUSHING/ROLLER	ALL
LS1-6 55 MM GM SPEC	2.1649-2.1669	BUSHING	STOCK

