

GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT *SEE APPLICATION CHART ON PAGES 186-187

LS™ RECTANGULAR PORT Hydraulic Roller Camshafts (All Out Power for 5.7L-6.2L)

| New APPLICATION / CAMSHAFTS | VALVE SETTING | | RPM OPERATING RANGE | CAMSHAFT PART NUMBER | CAM GRIND NUMBER | DURATION ADVERTISED @ .050" | | | | VALVE LIFT W/ 1.7 ROCKER | | LOBE SEP. ANGLE |
|---|---------------|-----------|---------------------|------------------------|------------------|-----------------------------|-----|-----|-----|--------------------------|------|-----------------|
| | IN. | EX. | | | | IN. | EX. | IN. | EX. | IN. | EX. | |
| HYDRAULIC ROLLER-Excellent torque with a very broad power band. Great for street performance and drivability. | 3 | Hyd. Hyd. | 1500 to 6700 | 54-453-11 | 269LRR HR13 | 269 | 285 | 219 | 235 | .607 | .621 | 113° |
| HYDRAULIC ROLLER-Good street/strip camshaft with very wide range. | 3 | Hyd. Hyd. | 1900 to 7000 | 54-454-11 | 277LRR HR13 | 277 | 293 | 227 | 243 | .614 | .624 | 113° |
| HYDRAULIC ROLLER – Very wide power range and excellent mid-range torque for LS engines with rectangular port cylinder head. | 3 | Hyd. Hyd. | 2000 to 7000 | 54-469-11 ⁷ | 281LRR HR13 | 281 | 297 | 231 | 247 | .617 | .624 | 113° |
| HYDRAULIC ROLLER – Very strong from mid-range to high end torque and horsepower for LS engines with rectangular port cylinder heads. | 3 | Hyd. Hyd. | 2200 to 7200 | 54-470-11 ⁷ | 285LRR HR13 | 285 | 301 | 235 | 251 | .621 | .624 | 113° |
| HYDRAULIC ROLLER – Broad top end power range for high rpm, race only LS engines with aftermarket rectangular port heads and higher compression. | 3 | Hyd. Hyd. | 2400 to 7200 | 54-471-11 ⁷ | 289LRR HR14 | 289 | 305 | 239 | 255 | .624 | .624 | 114° |
| HYDRAULIC ROLLER – Excellent top end and high rpm power for race style LS engines with aftermarket rectangular port cylinder heads. | 3 | Hyd. Hyd. | 2600 to 7200 | 54-472-11 ⁷ | 293LRR HR14 | 293 | 309 | 243 | 259 | .624 | .624 | 114° |

New LS™ RECTANGULAR PORT Hydraulic Roller Camshafts (For Large Displacement Only, 6.2L-7.4L)

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|--|---|-----------|--------------|------------------------|-------------|-----|-----|-----|-----|------|------|------|
| HYDRAULIC ROLLER – 400+c.i., high rpm applications with major modifications and rectangular port cylinder heads. | 3 | Hyd. Hyd. | 2400 to 7000 | 54-473-11 ⁷ | 297LRR HR14 | 297 | 313 | 247 | 263 | .624 | .624 | 114° |
| HYDRAULIC ROLLER – 420+c.i., high compression, high rpm, rectangular CNC-ported heads in race type applications. | 3 | Hyd. Hyd. | 2600 to 7000 | 54-474-11 ⁷ | 301LRR HR15 | 301 | 317 | 251 | 267 | .624 | .624 | 115° |
| HYDRAULIC ROLLER – 440+c.i., purpose built applications focusing on power above 6000 rpm with rectangular port heads. | 3 | Hyd. Hyd. | 2800 to 7200 | 54-475-11 ⁷ | 305LRR HR15 | 305 | 321 | 255 | 271 | .624 | .624 | 115° |
| HYDRAULIC ROLLER – All out power for extreme displacement race application engines with rectangular port cylinder heads. | 3 | Hyd. Hyd. | 3000 to 7200 | 54-476-11 ⁷ | 309LRR HR15 | 309 | 325 | 259 | 275 | .624 | .624 | 115° |

New LS™ CENTRIFUGAL BLOWER Hydraulic Roller Camshafts

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|---|---|-----------|--------------|------------------------|-------------|-----|-----|-----|-----|------|------|------|
| HYDRAULIC ROLLER – Strong mid-range power when used with a centrifugal blower. | 3 | Hyd. Hyd. | 2200 to 7000 | 54-477-11 ⁷ | 277LCB HR14 | 277 | 293 | 227 | 243 | .614 | .624 | 114° |
| HYDRAULIC ROLLER – Good high rpm power when used with a centrifugal blower. | 3 | Hyd. Hyd. | 2500 to 7200 | 54-478-11 ⁷ | 285LCB HR15 | 285 | 301 | 235 | 251 | .621 | .624 | 115° |
| HYDRAULIC ROLLER – Best cam for high rpm power in race application when using a centrifugal blower. | 3 | Hyd. Hyd. | 3000 to 7200 | 54-479-11 ⁷ | 293LCB HR16 | 293 | 309 | 243 | 259 | .624 | .624 | 116° |

New LS™ ROOTS BLOWER Hydraulic Roller Camshafts

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|--|---|-----------|--------------|------------------------|-------------|-----|-----|-----|-----|------|------|------|
| HYDRAULIC ROLLER – Best in street/strip LS applications equipped with a Roots type supercharger. | 3 | Hyd. Hyd. | 2400 to 7000 | 54-467-11 ⁷ | 289LRB HR14 | 289 | 293 | 239 | 243 | .624 | .624 | 114° |
| HYDRAULIC ROLLER – Designed for race applications with a Roots blower. Very strong high rpm power. | 3 | Hyd. Hyd. | 2700 to 7200 | 54-468-11 ⁷ | 297LRB HR14 | 297 | 301 | 247 | 251 | .624 | .624 | 114° |

Except as noted, not legal for sale or use on pollution-controlled motor vehicles