



LT1 and LS1 V8

HYDRAULIC ROLLER CAMSHAFTS - LT1

Note: These cams use .000" intake and exhaust valve lash.

| Description (Note: See pages 8-9 for a detailed explanation of each Performance Level) | C.I.D. Group | Part Number | Grind Lobe Center | Advertised Duration | | Duration @ .050" | | Gross Lift 1.5 / 1.5 | | Recommended Component Kit |
|--|-----------------|----------------|----------------------|---------------------|---------|------------------|---------|-------------------------|---------|---------------------------------|
| | | | | Intake | Exhaust | Intake | Exhaust | Intake | Exhaust | |
| STOCK REPLACEMENT Increased performance in stock LT1 engines. RPM Power Range: Idle to 5000, redline: 5500 max | 350 cid | 00560 | 254HR262 114° | 254° | 262° | 204° | 212° | .485° | .505° | 84552 |
| STAGE 1 Works well in stock or slightly modified engines. RPM Power Range: 1000 to 5500, redline: 6000 max | 350 cid | 00561 | 262HR266 114° | 262° | 266° | 208° | 216° | .495° | .515° | 84553 or 84554 |
| STAGE 2 Modified computer, exhaust and high flow intake recommended. RPM Power Range: 1500 to 5800, redline: 6300 max | 350 cid | 00562 | 274HR284 114° | 274° | 284° | 221° | 230° | .525° | .545° | 84553 or 84554 |
| STAGE 3 Mid to top end power in highly modified engines. RPM Power Range: 2000 to 6000, redline: 6500 max | 350 cid | 00563 | 277HR286 114° | 277° | 286° | 225° | 232° | .535° | .550° | 84553 or 84554 |
| CUSTOM GROUND HYD ROLLER - Special order hydraulic roller lifter camshaft ground to your specifications. Call with all engine data including head flow data, valve sizes, operating power range, etc. | All cid | 00052 | | | | | | | | |

HYDRAULIC ROLLER CAMSHAFTS - LS1/LS6

Note: These cams use .000" intake and exhaust valve lash.

| Description (Note: See pages 8-9 for a detailed explanation of each Performance Level) | C.I.D. Group | Part Number | Grind Lobe Center | Advertised Duration | | Duration @ .050" | | Gross Lift 1.7 / 1.7 | | Recommended Component Kit |
|--|-----------------|----------------|----------------------|---------------------|---------|------------------|---------|-------------------------|---------|---------------------------------|
| | | | | Intake | Exhaust | Intake | Exhaust | Intake | Exhaust | |
| STAGE 1 Works well in stock or slightly modified engines. RPM Power Range: 1000 to 5500, redline: 6000 max | 350 cid | 00571 | 258HR262 114° | 258° | 262° | 208° | 216° | .514° | .514° | 84555 or 84556 |
| STAGE 2 Modified computer, exhaust and high flow intake recommended. RPM Power Range: 1500 to 5800, redline: 6300 max | 350 cid | 00572 | 272HR280 114° | 272° | 280° | 217° | 226° | .553° | .575° | 84555 or 84556 |
| STAGE 3 Mid to top end power in highly modified engines. RPM Power Range: 2000 to 6000, redline: 6500 max | 350 cid | 00573 | 285HR289 114° | 285° | 289° | 226° | 232° | .566° | .566° | 84555 or 84556 |
| CUSTOM GROUND HYD ROLLER - Special order hydraulic roller lifter camshaft ground to your specifications. Call with all engine data including head flow data, valve sizes, operating power range, etc. | All cid | 00053 | | | | | | | | |

ENGINEERED COMPONENT KITS

| Part No. | Lifters | Springs | Retainers | Pushrods | Keepers | Remarks |
|--------------|----------|------------|-----------|----------|----------|--|
| 84552 | 66330-16 | 68301X1-16 | 86032-16 | 69715-16 | 86107-16 | For rpm up to 6000 max. Daily street use. |
| 84553 | 66330-16 | 68304-16 | 86032D-16 | 69715-16 | 86107-16 | For rpm up to 6500 max. Limited street use. |
| 84554 | 66330-16 | 68311X1-16 | 86032-16 | 69715-16 | 86107-16 | Race only applications. |
| 84555 | 66330-16 | 68304-16 | 86037-16 | Stock | Stock | For rpm up to 6500 max. Limited street use. |
| 84556 | 66330-16 | 68311X1-16 | 86037T-16 | Stock | Stock | For rpm over 7000 plus. Race only. |
| 84575 | 66330-16 | 68155-16 | 87028T-16 | Stock | Stock | Conical spring, titanium retainer for LS1 (8mm). |
| 84576 | 66330-16 | 68155-16 | 87029T-16 | Stock | Stock | Conical spring, titanium retainer for LT1 (11/32). |

Spring pressure:

68301X1-16 Seat: 1.700" @ 105 lbs / Nose: 1.250" @ 274 lbs / Coil bind: 1.130" (Stock O.D., no machine work).

68304-16 Seat: 1.800" @ 106 lbs / Nose: 1.250" @ 317 lbs / Coil bind: 1.090" (Stock O.D., no machine work).

68311X1-16 Seat: 1.750" @ 120 lbs / Nose: 1.250" @ 389 lbs / Coil bind: 1.070" (Stock O.D., no machine work).

68155-16 Seat: 1.750" @ 115 lbs / Nose: 1.250" @ 295 lbs / Coil bind: 1.150" (Stock O.D., conical design).

Optional spring:

68390X3-16 Seat: 1.800" @ 116 lbs / Nose: 1.250" @ 355 lbs / Coil bind: 1.110" (Machine work, use cutter 68985*). LT1 only.

Valve timing events are available online at: www.crower.com/valvtime.html

ACCESSORIES

| Part No. | Description |
|------------------|---|
| 69740-16 | Pushrods - Stock LS1 length |
| 73602-16 | Rocker arms (1.5) 3/8 self aligning tip - LT1 Only |
| 73603-16 | Rocker arms (1.6) 3/8 self aligning tip - LT1 Only |
| 73660-16* | Rocker arms (1.5) 3/8 use w/guide plates - LT1 Only |
| 73661-16* | Rocker arms (1.6) 3/8 use w/guide plates - LT1 Only |
| 76802 | Cloyes Timing Gear Set - LS1 |
| 76504 | Cloyes Timing Gear Set - LT1 |

*Use with guide plate #70517-8.