

LS-1 CHEVY V8 2008 MINI CATALOG



FOUNDED BY THE LEGENDARY ED ISKENDERIAN IN 1942
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CHEVROLET

Hydraulic Roller Camshafts — Deep Hardened Steel Billet
V-8 350 cu. in. LS-1 engines (1997 up) small block
Also Vortec 1999-Up 4800-5300, 6000 Series)

Hydraulic Roller: 1.7:1 Rocker Ratio



Part No. Cam Only	Grind No./Type	Application	RPM-Range	Valve Lift INT. EX.	Valve Lash Hot INT. EX.	ADV. Duration INT. EX.	.050 Duration INT. EX.	Lobe Center
271252/257	RR-252/257 HYDRAULIC ROLLER	Best overall cam for towing. Trucks, Vans, R.V., etc. Broad torque band. Good vacuum. 3.55-4:10 axle ratio. 9.5:1 compr. Computer compatible. Smooth idle	1200-5000	.495 .510	.000 .000	252° 257°	206° 212°	113°
271257/265	RR-257/265 HYDRAULIC ROLLER	Excellent performance cam with good vacuum, good idle. 3.08-3.73 axle ratio, 9.5:1 compr. Up to 650 CFM Carb. Computer compatible. Stock converter.	1400-5600	.510 .530	.000 .000	257° 265°	212° 220°	113°
271265/275	RR-265/275 HYDRAULIC ROLLER	Good mid-range power. Good vacuum & good idle. 3.23-3.70 axle ratio, 9.5-10.5:1 compr. Computer compatible with stage 1 chip. Stock converter. Up to 650 CFM Carb.	2000-6000	.530 .550	.000 .000	265° 275°	220° 230°	113°
271280/290	RR-280/290 HYDRAULIC ROLLER	Excellent mid-range performance. Fair idle. 2500 stall. 3.70-4.00 axle ratio. Up to 10.5:1 compr. Up to 750 CFM Carb.	2500-6800	.530 .540	.000 .000	280° 290°	232° 242°	113°

Custom Cam Profiles:

Hydraulic Roller: High Performance Series

LOBE LIFT	ADV DUR	.050 DUR	.100 DUR	.200 DUR	.300 DUR	MASTER NO.	VALVE LIFT WIT ZERO LASH @ 1.7 ROCKER RATIO
.325"	254°	206°	176°	126°	56°	HR-674	.553"
.330"	260°	212°	181°	131°	62°	HR-673	.561"
.333"	263°	215°	184°	134°	65°	HR-740	.566"
.335"	266°	218°	187°	136°	68°	HR-672	.570"
.338"	269°	221°	190°	139°	71°	HR-741	.575"
.340"	272°	224°	193°	142°	75°	HR-671	.578"
.342"	300°	256°	225°	168°	97°	HR-731	.581"
.344"	275°	227°	196°	145°	78°	HR-742	.585"
.348"	278°	230°	200°	151°	86°	HR-675	.592"
.350"	281°	233°	203°	154°	89°	HR-743	.595"
.352"	284°	236°	206°	157°	93°	HR-676	.598"
.353"	294°	250°	220°	166°	98°	HR-730	.600"
.356"	288°	240°	210°	161°	97°	HR-744	.605"
.359"	290°	243°	213°	163°	99°	HR-670	.610"
.360"	296°	249°	219°	168°	104°	HR-669	.612"
.370"	302°	254°	225°	174°	110°	HR-677	.629"
.375"	308°	260°	231°	180°	116°	HR-678	.638"

Use Engine Prefix Code 271-RR with Master(s) and Lobe Center Desired when Ordering.

All Camshafts on this page are not legal for sale or use on pollution controlled motor vehicles operated on highways or roads.

Recommended Valve Train Components:



These items included in Cam and complete kit

CAM & COMPLETE KIT P/N	HYDRAULIC ROLLER LIFTERS	PUSHRODS	SPRING LOCATERS	VALVE SPRINGS	SPRING SHIMS	STEEL RETAINERS	VALVE LOCKS
270252/257	*See Below	203-HG MINUS 380	175-VSL	165-A	#11	135-ST	VL-500
270257/265	*See Below	203-HG MINUS 380	175-VSL	165-A	#11	135-ST	VL-500
270265/275	*See Below	203-HG MINUS 380	175-VSL	165-A	#11	135-ST	VL-500
270280/290	*See Below	203-HG MINUS 380	175-VSL	165-A	#11	135-ST	VL-500

*Use late model factory hydraulic roller lifters with these roller kits.

Custom Cam Profiles: New HRX Series

LOBE LIFT	ADV DUR	.050 DUR	.200 DUR	MASTER NO.	VALVE LIFT WIT ZERO LASH @ 1.7 ROCKER RATIO
.313"	254	210	127	HR-800	.532"
.313"	256	212	129	HR-801	.532"
.313"	258	214	131	HR-802	.532"
.313"	260	216	133	HR-803	.532"
.340"	284	240	157	HR-804	.578"
.340"	286	242	159	HR-805	.578"
.340"	288	244	161	HR-806	.578"
.340"	290	246	163	HR-807	.578"
.382"	286	242	164	HR-808	.650"
.382"	288	244	166	HR-809	.650"
.382"	290	246	168	HR-810	.650"
.382"	292	248	170	HR-811	.650"
.394"	292	248	170	HR-812	.670"

Use Engine Prefix Code 271-RR with Master(s) and Lobe Center Desired when Ordering.

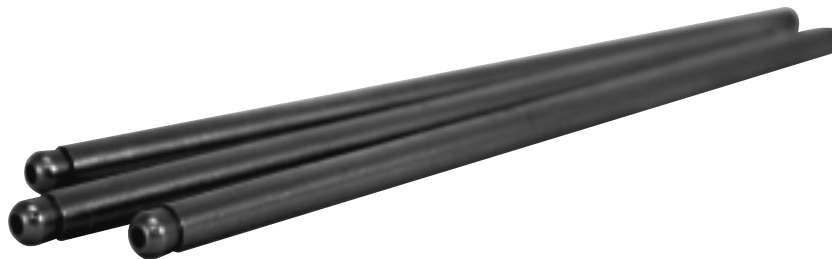
Hydraulic Roller Lifters:



We now offer an Anti Pump-UP Hyd. Roller Lifter for the LS-1, engineered with a .280" longer body that works with both stock and "high lift" (reduced base circle) Hydraulic Roller Cams. They can be installed with base circles as small as 1.300" without dropping out of the Stock LS-1 Lifter Tray and will accommodate valve lifts up to .650".

PART NO.	LIST PRICE	JOBBER PRICE
2050-HYRT	\$ 1160.00	\$ 580.00

Pushrods:



Isky Pushrods are One-Piece, 5/16" Diameter design and are manufactured from the finest grade available of Seamless .080" Wall, Chrome Moly Tubing. They are specially Heat Treated.

PART NO.	OVERALL LENGTH	LIST PRICE	JOBBER PRICE
203-HG Minus .380 (Std. Length)	7.400"	\$ 280.00	\$ 140.00
7.450 HG * Plus .050"	7.450"	\$ 280.00	\$ 140.00
7.500 HG * Plus .100"	7.500"	\$ 280.00	\$ 140.00

*These Lengths help accommodate smaller base circle cams.

Mechanical Roller Lifters:

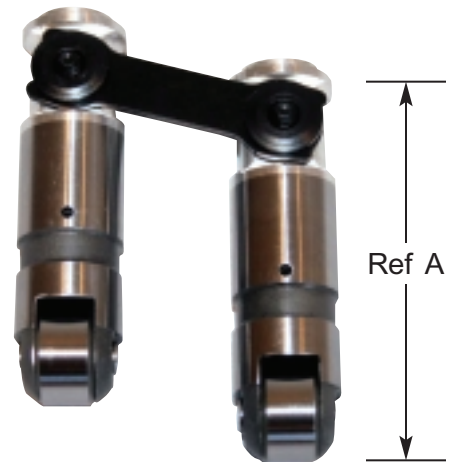
(For use with Mechanical Roller Camshafts)

For those wishing to retain the Stock LS-1 Lifter Tray, we offer a simple “drop-in” design for use with moderate performance mechanical roller camshafts up to .675” valve lift and base circles as small as 1.300” without dropping out of the Stock LS-1 Lifter Tray.



PART NO.	LIST PRICE	JOBBER PRICE
205-RH	\$ 810.00	\$ 405.00

For more severe duty applications, we recommend removing the Factory Lifter Tray and installing our “Tie-Bar” Style Roller Lifters, which have a taller body/pushrod seat location, allowing for a shorter pushrod. With the shorter pushrod, there is less “deflection” in the valve train. This lifter comes standard with our open-end tie bar, but can be assembled special order with “captive” tie bar option for an additional \$25.00



PART NO.	LIST PRICE	JOBBER PRICE	REF A
1251-LSH	\$ 1160.00	\$ 580.00	3.040”
*1277-LSH	\$ 1350.00	\$ 675.00	3.040”
*1377-LSH	\$ 1430.00	\$ 715.00	3.390”

*Maximum endurance Red Zone Series.

“B-HIVE™” Form Valve Springs:

We are now offering two high performance “B-HIVE™” Valve Springs that are “drop-in” replacements for the Stock LS-1 “B-HIVE™” spring. Both Springs are compatible with stock retainers and locks... but we highly recommend for increased performance, the use of our 135-ST steel retainer and VL-500 Machined Bead Locks (see below).



PART NO.	“TOP” RETAINER END OD/ID	“BOTTOM” LOCATER END OD/ID	MAT’L	SEAT PRESS	OPEN PRESS	RATE PER INCH	COIL BIND	MAX LIFT
165-A	1.055” .660”	1.290” .885”	Super clean Chrome Silicon OVATE Wire	130 Lbs. @1.800”	320 Lbs. @1.200”	310	1.140”	.600”
195-A	1.015” .630”	1.290” .905”	“Tool Room” Mat’l/Specially Processed Round wire	120 Lbs. @1.800”	360 Lbs. @1.175”	380	1.100”	.625”

Machined Steel Retainers:

(For use with 165-A and 195-A “B-HIVE™” Valve Springs)



Our P/N 135-ST Steel Retainer weighs the same as the Stock LS-1 “Stamped” Retainer but is superior in strength. It is machined from 4130 Chromemoly Steel & Heat Treated for Maximum “Pull-Thru” Strength. The combination of the 135-ST steel retainer and our “Machined” VL-500 Bead Locks yields a more precise, consistent installed height and gives added insurance in your LS-1 Engine with more aggressive hydraulic roller cam profiles at higher RPM. This combination can be used with stock LS-1 “B-HIVE™” springs as well.

PART NO.	LIST PRICE	JOBBER PRICE
135-ST	\$ 180.00	\$ 90.00
VL-500	\$ 120.00	\$ 60.00
165-A	\$ 368.00	\$ 184.00
195-A	\$ 512.00	\$ 256.00

Stock Diameter Dual Springs For LS-1 Chevy V-8's!!



When looking for maximum reliability, nothing beats a dual valve spring. Our New Part No. 4905 is a "Drop-In" installation with no machining required.

Manufactured from a special "Hi-Tensile" Chrome Silicon Alloy, the 4905 yields maximum reliability/insurance in Late Model LS-1 Chevy V-8 Hydraulic Roller Cam Applications and will handle up to .650" Valve Lift, comfortably.

When converting to the 4905 dual, matching steel retainers, spring locaters and valve seals (listed below) are required.

Valve Spring Specifications:

Dual (No Damper)

P A R T N O .

VALVE SPRINGS	STEEL RETAINERS	SPRING LOCATERS	VALVE SEALS	OUTER OD/ID	INNER OD/ID	SEAT PRESS	OPEN PRESS	RATE PER INCH	COIL BIND	MAX NET LIFT
4905	185-ST	185-VSL	IVS-400	$\frac{1.290''}{.940''}$	$\frac{.940''}{.690''}$	$\frac{125 \text{ lbs.}}{@1.800''}$	$\frac{360 \text{ lbs.}}{@1.150''}$	360	1.065"	.650"

PART NO.	LIST PRICE	JOBBER PRICE
185-ST	\$ 180.00	\$ 90.00
185-VSL	\$ 132.00	\$ 66.00
4905	\$ 360.00	\$ 180.00
IVS-400	\$ 40.00	\$ 20.00

“BEAD” Valve Locks:



Designed for Maximum Endurance in roller cammed LS-1 engines, these heavy-duty valve locks are machined from 4140 Chrome Moly Bar-Stock and heat treated. They incorporate a ground finish on the OD, which allows a more consistent installed height over “stock” Stamped LS-1 Valve Locks.

PART NO.	RETAINER APPLICATION	LIST PRICE	JOBBER PRICE
VL-500	135-ST, 185-ST	\$ 120.00	\$ 60.00

Valve Stem Oil Seals:



Isky Valve Stem Oil Seals positively control unwanted oil flow through the valve guides. No machining required for assembly. Ideally suited when installing our Part No. 4905 Dual Spring Assembly.

PART NO.	LIST PRICE	JOBBER PRICE
IVS-400	\$ 40.00	\$ 20.00

Micro Shim Kit:



This is a precision shim kit, designed for installing LS-1 Valve Springs to a precise height. Each shim is made from tempered steel for maximum strength.

PART NO.	OD/ID	SHIMS PER KIT	INDIVIDUAL BREAKDOWN	VALVE SPRING APPLICATIONS	LIST PRICE	JOBBER PRICE
11	1.220" x .505"	32	(16) .015" (16) .030"	165-A, 195-A 4905	\$ 72.00	\$ 36.00



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