

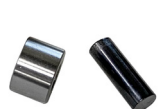
Engineering the Science of Geometry

Anatomy of a CROWER ROCKER

Needle Bearing Tip Option

The lighter tip delivers greater valve control for increased rpm and improves valve spring longevity by decreasing heat over traditional non needle designs.

Crower has advanced valve train technology with a needle bearing roller tip, bushed or New DLC coated pin option, now available on reducing heat compared to traditional designs

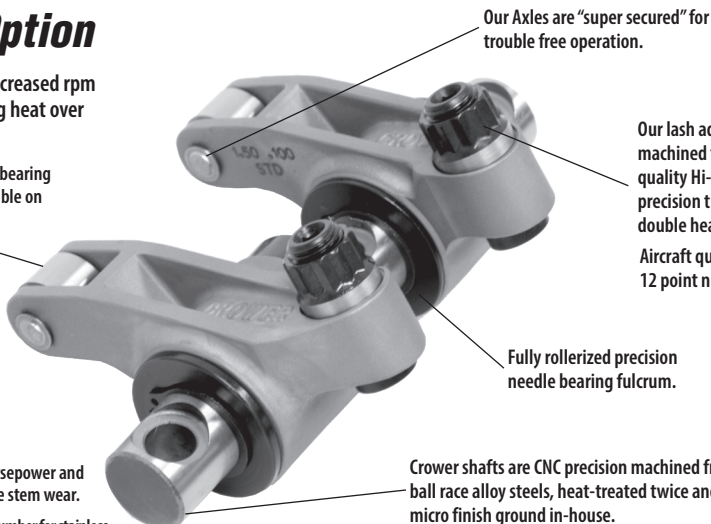


Specify:
Needle part #73715R
NEW DLC coated Pin part #73715PHC
Bushed part #73715BB

"NEW" DLC coated pin:
It Reduced friction and less moving parts, DLC coating is race proven to increase part life.

Reduced friction for added horsepower and reduced valve guide and valve stem wear.

Specify #73715R after rocker part number for stainless



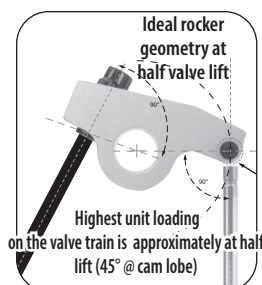
Our Axles are "super secured" for trouble free operation.

Our lash adjusters are machined from aircraft quality Hi-temp alloy, precision thread rolled after double heat treat process.

Aircraft quality 12 point nuts.

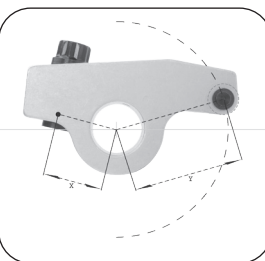
Fully rollerized precision needle bearing fulcrum.

Crower shafts are CNC precision machined from ball race alloy steels, heat-treated twice and micro finish ground in-house.



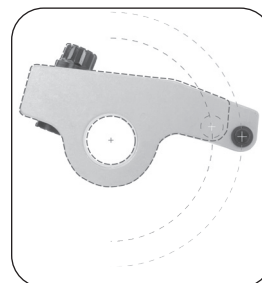
This configuration minimizes tip travel across the valve stem and keeps contact centered on top of the valve, reducing frictional losses due to valve guide side loading and tip scrubbing. Pushrod deflection is also minimized for more accurate valve action.

Rocker Ratio



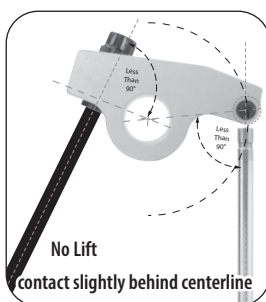
Rocker arm ratio is determined by dividing the distance from the fulcrum to the tip centerpoints (Y) by the distance from the fulcrum to the pushrod seat centerpoints (X). This theoretical ratio may vary from our net/advertised ratio due to measured valve train deflection under load.

Long Arm

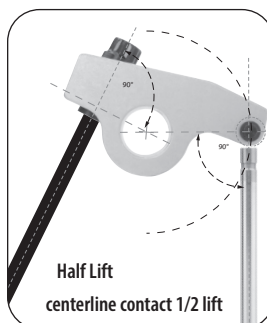


Higher rocker ratios require extending the arm of the rocker. Long arm rockers allow proper pushrod seat positioning in relation to the fulcrum point. An additional long arm benefit is reduced back and forth tip travel across the valve stem. Less scrubbing and valve stem side loading occur and associated frictional losses are minimized.

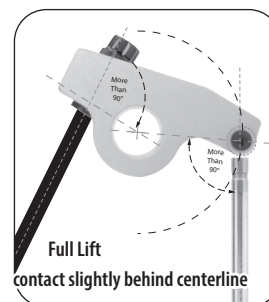
Tip Travel



When the valve is closed tip contact is slightly behind the centerline of the valve.

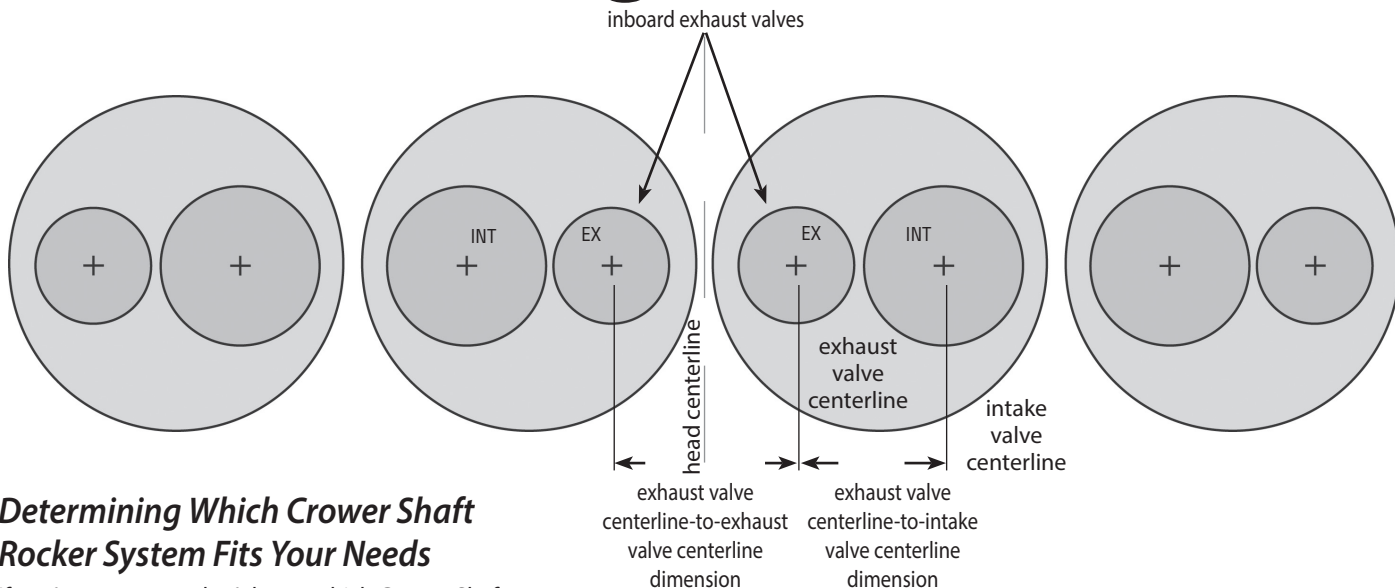


At highest unit loading (approx. 1/2 lift) tip contact ideally is on the centerline of the valve. The valve train is overcoming spring pressure and, more importantly, rapidly accelerating its mass. To minimize deflection, side loading and frictional loss, we want the valve train geometry in its strongest and straightest configuration at this point.



When the valve is fully open, tip contact is slightly behind the centerline of the valve. The valve train in this position (at high RPM) feels the least amount of unit loading as float approaches...everything gets momentarily weightless.

Useful Ordering Information



Determining Which Crower Shaft Rocker System Fits Your Needs

If you're not sure or don't know which Crower Shaft Rocker System will fit your cylinder head and need help, follow these simple procedures:

1. You'll need to provide us with some critical information and dimensions.
 - a. Cylinder head manufacturer
 - b. Engine type
 - c. Intake and exhaust valve distances from cylinder head centerline.
 - d. Rocker stud spacing from cylinder head centerline.

Here's how you do it.

Measure the distance from the outside diameter of the two inboard exhaust valves. Record the value. Subtract the diameter of the valve (Example: .341) from your recorded value and divide this measurement by 2.

Now you'll know the distance from the cylinder head centerline to exhaust valve centerline.

Now measure the distance from the outside of the intake valve to the outside diameter of the exhaust valve diameter. Subtract .341" from that to get the centerline distance from exhaust to intake valve.

Note: .341" diameter is based on 11/32" intake and exhaust valves. Some cylinder heads have different size intake stems. Make sure you measure valve stem size before measuring valve centerline.

Follow the same procedure for the studs. Supply us the dimensions and we'll take it from there!

Rocker Body Identification

To order replacement rockers and insure correct fit you'll need to provide your Crower technician with the following info.

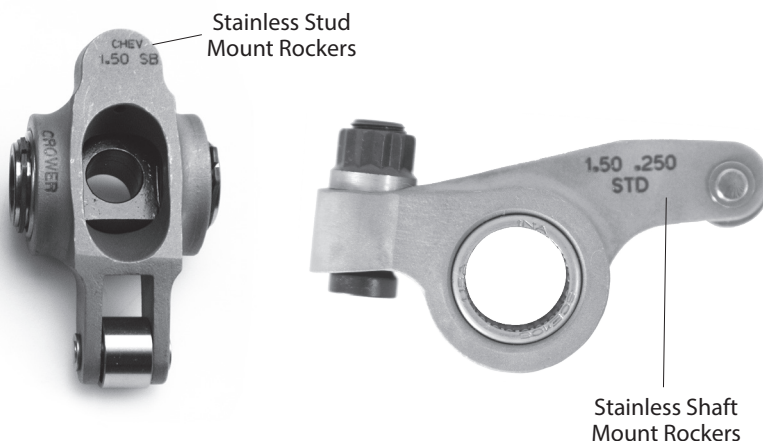
Rocker Bodies without I.D. numbers:

- Rocker arm Ratio
- Rocker arm Offset
- Which valve the rocker actuates (intake or exhaust)
- Which cylinder the rocker is mounted on (2,4,6,8-1,3,5,7, etc.)
- Name/brand of cylinder head
- Stand Number
- Shaft Diameter

Rocker Bodies with I.D. numbers:

- Rocker arm Body I.D. number
- Rocker arm Ratio
- Rocker arm Offset
- Stand Number
- Shaft Diameter

Ratio and Offset Locations



Stainless Steel Stud Mounted Rockers

Steel billet rockers available for all popular applications.

ENDURO LONG ARM/BACKSET ROLLERIZED ROCKERS



Crower's Long Arm/Backset trunnion rollerized rockers are made to the same high tolerances as our standard stainless steel rocker arms with a .090" backset trunnion and these added features:

- Increased area under the lift curve
- Additional spring clearance (1.650")
- Smoother valve action
- Less side loading on stems/guides
- Drop on installation
- Set of 8 for intake (use standard Crower stainless steel rockers on exhaust)

Part#	Description	Ratio	Stud
73677-8	Chevrolet 265-400 V8	1.5	7/16
73674-8	Chevrolet 265-400 V8	1.6	7/16
73672-8	Chevrolet 265-400 V8	1.65	7/16
73673-8	Chevrolet 265-400 V8	1.7	7/16
73676-8	Chevrolet 265-400 V8	1.75	7/16
73675-8	Chevrolet 265-400 V8	1.8	7/16
73678-8	Chevrolet 265-400 V8	1.85	7/16

Note: May be purchased as mixed ratios intake and exhaust.
Can be ordered N.S. without sure-locks

ENDURO CENTERLINE ROLLERIZED ROCKERS

When installing a .100" long valve, the rocker arm tip must be backed up .050" to insure centerline contact at half lift. Crower offsets the rocker stud hole in the trunnion, pulling the rocker tip back into correct alignment with the valve stem. Re-establishing correct geometry reduces valve guide wear and promotes more accurate valve timing.



Part#	Description	Ratio
73690-8	Chevrolet 265-400 .050 backset	1.5
73691-8	Chevrolet 265-400 .050 backset	1.55
73692-8	Chevrolet 265-400 .050 backset	1.6
73693-8	Chevrolet 265-400 .050 backset	1.65
73694-8	Chevrolet 265-400 .050 backset	1.7
73696-8	Chevrolet 265-400 .050 backset	1.75
73695-8	Chevrolet 265-400 .050 backset	1.8
73682-8	Chevrolet 396-454 .050 backset	1.65
73683-8	Chevrolet 396-454 .050 backset	1.7
73684-8	Chevrolet 396-454 .050 backset	1.75
73685-8	Chevrolet 396-454 .050 backset	1.8
73686-8	Chevrolet 396-454 .090 backset	1.65
73687-8	Chevrolet 396-454 .090 backset	1.7
73688-8	Chevrolet 396-454 .090 backset	1.75
73689-8	Chevrolet 396-454 .090 backset	1.8

The above rockers may be purchased in sets of 8 to mix ratios.
Note: 7/16 stud diameter.

Can be ordered N.S. without sure-locks

LATE MODEL ROCKERS

Crower's self-aligning rocker arms are available for late model small and big block Chevrolet, Dodge Magnum truck and the V10 Viper.

Features include:

- Self-aligning roller tip holds rocker in place
- 25 hp, 4 mph on 1/4 mile with 1.7's on V10



Part#	Description	Ratio	Stud
CHEVROLET			
73602-12	V6 Chevy 85-96, 97-98 Vortec	1.5	3/8
73603-12	V6 Chevy 85-96, 97-98 Vortec	1.6	3/8
73602-16	SB Chevy 85-96, 97-98 Vortec, LT1	1.5	3/8
73603-16	SB Chevy 85-96, 97-98 Vortec, LT1	1.6	3/8
73660-16	SB Chevy Narrow, Non Align	1.5	3/8
73661-16	SB Chevy Narrow, Non Align	1.6	3/8
73608-16	BB Chevy 85-96, 97-98 Vortec	1.8	7/16
DODGE			
73653K*	V6 Dodge Magnum	1.6	3/8
73654K*	V6 Dodge Magnum	1.7	3/8
73655K*	V8 Dodge Magnum	1.6	3/8
73656K*	V8 Dodge Magnum	1.7	3/8
73657K*	V10 Dodge Magnum	1.6	3/8
73659K*	V10 Dodge Magnum	1.7	3/8
73662K*	V10 Dodge Viper	1.6	7/16
73663K*	V10 Dodge Viper	1.7	7/16

*"K" incl. rocker studs. 5500 RPM limit on "K" kits (6300 on Viper)
Can be ordered N.S. without sure-locks

Emissions Legal certified ARB #D-410

Crower Rocker Arms are CARB legal as long as the Rocker ratio is not changed by more than .1 from the stock rocker arms.

ENDURO STAINLESS STEEL ROLLERIZED ROCKERS

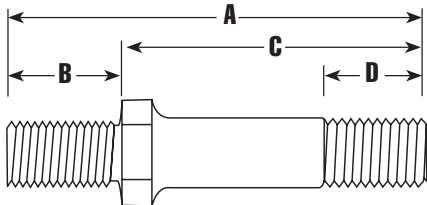


Made from 17-4PH stainless steel with 1025 heat-treating, these proven rollerized rockers feature premium, oversized needle bearings, sure-lock rocker nuts and alloy steel tip rollers. Superior lightweight body design provides plenty of clearance for large diameter springs. Includes sure-locks.

Part#	Description	Ratio	Stud
AMC			
73645-16*	AMC 290-401 V8	1.6	3/8
73646-16*	AMC 290-401 V8	1.6	7/16
73648-12*	AMC 6 cyl.	1.6	3/8
73647-12*	AMC 6 cyl.	1.6	7/16
CHEVROLET			
73625-8	Chevy II 4 cyl.	1.75	3/8
73628-12	Chevrolet 230 250 292 6cyl.	1.6	3/8
73629-12	Chevrolet 230 250 292 6 cyl.	1.75	3/8
73630-12	Chevrolet 230 250 292 6 cyl.	1.6	7/16
73631-12	Chevrolet 230 250 292 6 cyl.	1.75	7/16
73649-12	Chevrolet 200 229 90° V6	1.6	3/8
73650-12	Chevrolet 200 229 90° V6	1.5	7/16
73651-12	Chevrolet 200 229 90° V6	1.65	7/16
73652-12	Chevrolet 200 229 90° V6	1.6	7/16
73635-16	Chevrolet 265-400 V8	1.35	7/16
73600-16	Chevrolet 265-400 V8	1.5	3/8
73660-16	Chevrolet 265-400 V8 LT1	1.5	3/8
73640-16	Chevrolet 265-400 V8	1.6	3/8
73661-16	Chevrolet 265-400 V8 LT1	1.6	3/8
73670-16	Chevrolet 265-400 V8	1.65	3/8
73601-16	Chevrolet 265-400 V8	1.5	7/16
73641-16	Chevrolet 265-400 V8	1.6	7/16
73642-16	Chevrolet 265-400 V8	1.55	7/16
73671-16	Chevrolet 265-400 V8	1.65	7/16
73643-16	Chevrolet 265-400 V8	1.7	7/16
73604-16	Chevrolet 396-454 V8	1.55	7/16
73606-16	Chevrolet 396-454 V8	1.6	7/16
73605-16	Chevrolet 396-454 V8	1.7	7/16
73607-16	Chevrolet 396-454 V8	1.75	7/16
73608-16	Chevrolet 396-454 V8	1.8	7/16
FORD			
73609-16	Ford 289 302 351W V8	1.6	3/8
73610-16	Ford 289 302 351W V8	1.65	3/8
73611-16	Ford 289 302 351W V8	1.7	3/8
73612-16	Ford 289 302 351W V8	1.6	7/16
73613-16	Ford 289 302 351W V8	1.65	7/16
73614-16	Ford 289 302 351W V8	1.7	7/16
73637-16	Ford 289 302 351W V8	1.75	7/16
73638-16	Ford 289 302 351W V8	1.8	7/16
73618-16	Ford Boss 351C 400 429 460	1.6	7/16
73616-16	Ford Boss 351C 400 429 460	1.65	7/16
73615-16	Ford Boss 351C 400 429 460	1.73	7/16
73617-16	Ford Boss 351C 400 429 460	1.75	7/16
73619-16	Ford Boss 351C 400 429 460	1.8	7/16
PONTIAC			
73626-16	Pontiac V8	1.5	3/8
73621-16	Pontiac V8	1.7	7/16
73622-16	Pontiac V8	1.6	3/8
73627-16	Pontiac V8	1.5	7/16
73623-16	Pontiac V8	1.6	7/16
73624-16	Pontiac V8	1.65	7/16
OLDSMOBILE			
73644-16*	Oldsmobile 67-91 V8 V8	1.6	7/16

CROWER HAS NHRA STOCK CLASS ACCEPTED STUD MOUNTED ROCKER SYSTEMS TO KEEP YOU AHEAD OF THE COMPETITION

Stud Mounted Rocker Parts



ALLOY ROCKER STUDS

Crower screw-in rocker studs are rated to 190,000 p.s.i. tensile strength and insure reliability in your valve train. Machined and finished from 8740 aircraft quality steel and heat-treated for maximum strength. All threads are cold rolled for concentricity and extreme durability.

Part#	Description	Diameter		Dimensions			
		Top	Bottom	A	B	C	D
88419-12	Chevrolet 60° V6 2.8-3.1 (80-94)	3/8	10mm	2.375"	0.805"	1.570"	0.610"
88400-16	Chevrolet 265-400	3/8	7/16	2.430"	0.680"	1.750"	0.800"
88400S-16	Chevrolet 265-400	3/8	3/8	2.430"	0.685"	1.750"	0.785"
88401-16	Chev 265-400 & 396-454	7/16	7/16	2.650"	0.750"	1.900"	0.650"
88425-16	Chevrolet (Special appl. +...175")	7/16	7/16	2.825"	0.815"	1.900"	1.000"
88402L	Chevrolet 396-454 (Alum Heads) (8 INT & 8 EXH)	Int: 7/16	7/16	2.825"	0.825"	2.000"	1.000"
		Exh: 7/16	7/16	3.660"	1.650"	2.010"	1.050"
88405-8	Chevrolet 396-454 (Alum Hds Ex. only)	7/16	7/16	3.660"	1.650"	2.010"	1.050"
88414-8	Chevrolet Late Model Vortec	3/8	8mm	2.350"	0.600"	1.750"	0.800"
88418-16	Chev Late Mod/Mark V	7/16	3/8 (a)	2.650"	0.750"	1.900"	1.000"
88401-16	Ford 302, 351C	7/16	7/16	2.650"	0.750"	1.900"	0.650"
88416-12	Dodge Magnum V6	3/8	5/16	2.440"	0.680"	1.760"	0.800"
88416-16	Dodge Magnum V8	3/8	5/16	2.440"	0.680"	1.760"	0.800"
88414-20	Dodge Magnum Truck 2001-2002	3/8	8mm	2.350"	0.600"	1.750"	0.800"
88416-20	Dodge V10 Magnum	3/8	5/16 (c)	2.440"	0.680"	1.760"	0.800"
88417-20	Dodge Viper V10	3/8	5/16	2.450"	0.750"	1.700"	0.800"

Notes:

- (a) Reuse factory guide plates with 3/8 mounting hole.
- (b) Certain model years require 3/8 thread.
- (c) Certain model years require 5/16 thread.

CROWER CUSTOM LS VALVE COVERS
DESIGNED TO CLEAR CROWER SHAFT ROCKERS
CALL CROWER FOR ORDERING INFORMATION

Part No. 76950



NEW



Don Flanagan

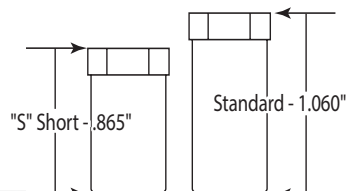


SURE LOCK ROCKER NUTS

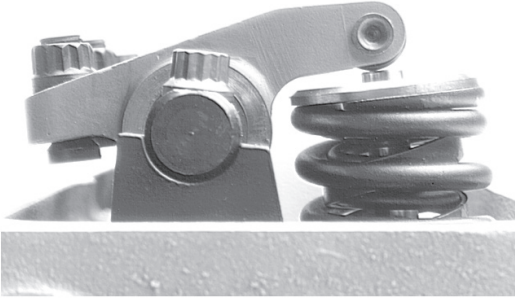
Made from high quality, heat treated chromoly steel, Crower sure lock nuts allow for precise adjustments. Includes nuts, Allen head set screws.

Part#	Stud Dia.	Shank Dia.	Engine
86050-16	7/16	.600"	V8
86050S-16	7/16	.600"	V8
86051-16	3/8	.530"	V8
86051S-16	3/8	.530"	V8
86051-12	3/8	.530"	6 cyl

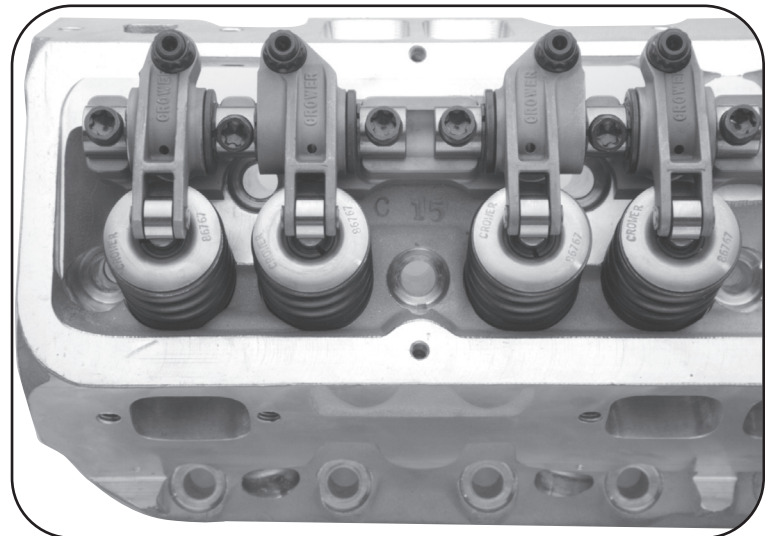
"S" indicates short (.865") design for valve cover clearance.
Std = 1.060"



Stainless Steel Shaft Mounted Rocker Arms

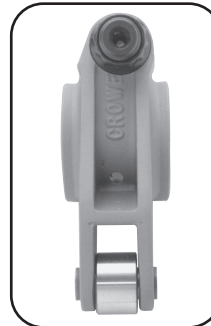


For those of you that feel most confident running a steel based valve train, we offer you the Crower collection of shaft mounted stainless steel rocker arms. Each and every configuration has been religiously scrutinized to offer extreme rigidity and accuracy while optimizing moment of inertia phenomena condition. Crower engineers made ease of installation and maintenance a top priority so you'll never waste a moment when time is critical at the track. Our stainless steel shaft rocker systems are a perennial favorite of dirt late models and marine endurance competitors. Sustained high temperature has little effect on the strength properties of stainless steel so components made from this material should have a longer life expectancy than similar components made from aluminum.



Offset Guide

Straight



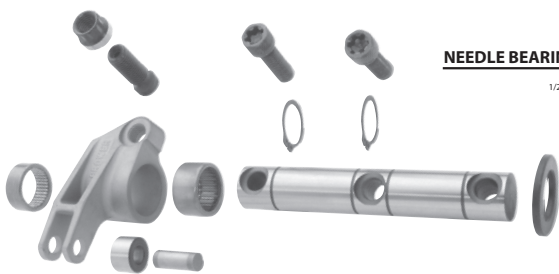
.200"-.250"
Offset Right



.350"-.550"
Offset Right

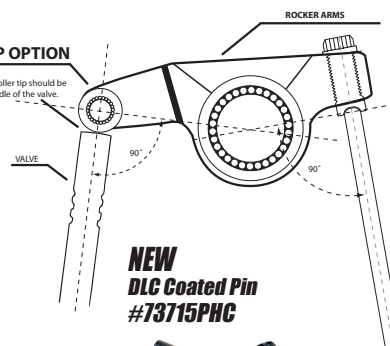


.550" Available on
arm lengths 1.480"
and over



NEEDLE BEARING TIP OPTION

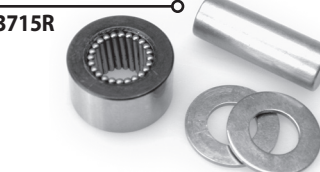
All Crower stud and shaft mount rocker arms are available with Crower's new needle bearing roller tip option. Results are greatly reduced friction for added horsepower and reduced valve guide and valve stem wear. The lighter tip delivers greater valve control for increased rpm and improves valve spring longevity by decreasing heat over traditional non needle designs. **Specify #73715R option for stainless steel (stud or shaft) or #72915R option for aluminum (stud or shaft) when ordering rocker arms.**



**NEW
DLC Coated Pin
#73715PHC**

**EnduraMax
Bushing option in rocker tips
#73715BB**

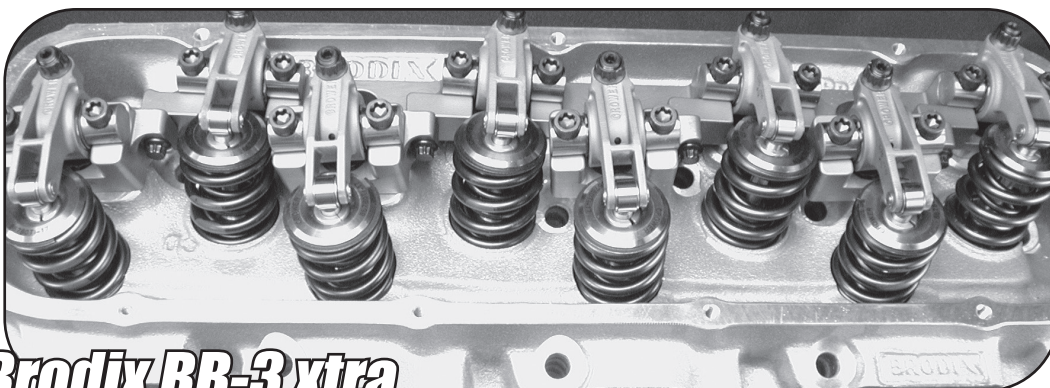
NEEDLE BEARING TIP OPTION
#73715R



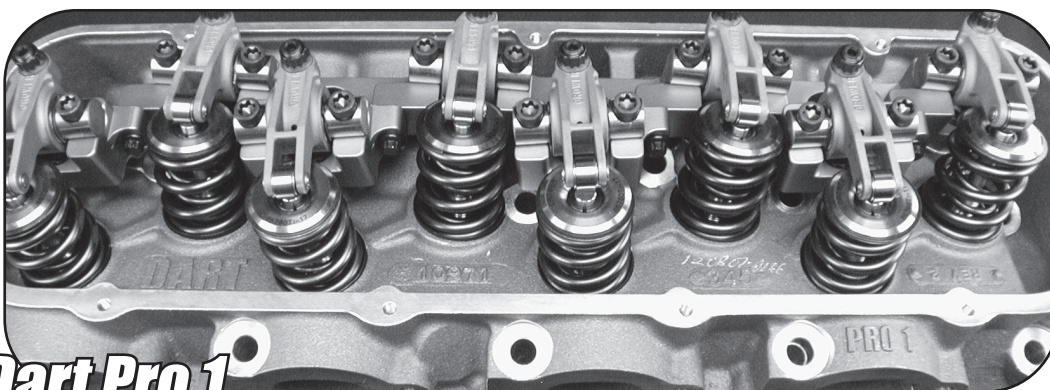
REGULAR ROLLER TIP



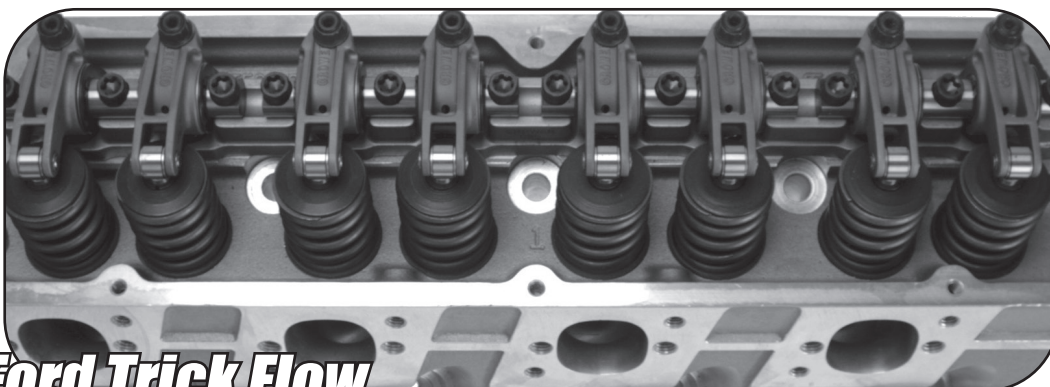
Stainless Steel Shaft Mounted Rocker Arms



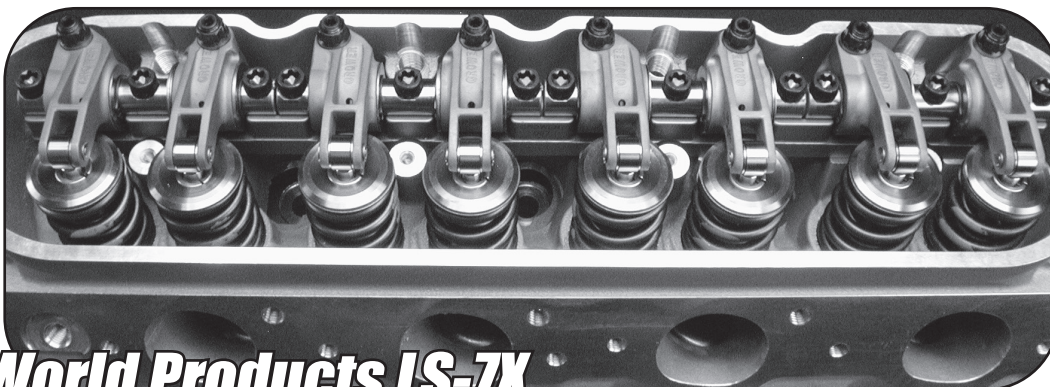
Brodix BB-3xtra



Dart Pro-1



Ford Trick Flow



World Products LS-7X

**Steel Billet Rockers Available
For All Popular Applications**

Stainless Steel

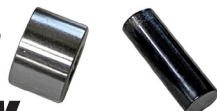
Shaft Mounted Rocker Systems

AFR

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74101F	LS1	1.450	.000	.000	108F	74400X108F
74173F	LS-3	1.450	.350	.000	005F	74400X005F
74139F	SBC 180cc thru 220cc w/L-98 bolt pattern Eliminator Street Head	1.450	.250	.100	014F	74400X014F
74132F	SBC 215 RR	1.480	.450	.100	021F	74000X021F
74141F	SBC 227 & 235 Eliminator 60/40	1.450	.350	.100	025FT	74400X025FT
74148F	SBC 245 Eliminator	1.450	.450 w/offset lifter	.100	025FT	74400X025FT
74718F	BBC AFR 305-325-345-357-377-385 VERSION 1	1.650	.100	.000	227F Intake 228F Exhaust	74400X227F 74400X228F
74707F*	BBC AFR 305-325-345-357-377-385 VERSION 2	1.650	.100	.000	210F Intake 211F Exhaust	74400X210F 74400X211F
74714B	BBC AFR 18° 457cc MAGNUM BILLET	1.800	.000	.000	141F Intake 142F Exhaust	74400X141F 74400X142F
74140F	SB Ford #165 - 225 + .100 Valve +.700 Lift	1.450	.100	.000	031F	74400X031F
74140XF	SB Ford #165 - 225 + .100 Valve -.700 Lift	1.450	.100	.000	085F	74400X085F

ALL PRO

**NEW
DLC Coated Pin
#73715PHC**



BRODIX

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74164F	LS Series LSW 12° Hurricane	1.550	.450	.050	032F	74400X032F
74164F2	LS Series LSW 12° Hurricane .800-.850 lift.	1.550	.450	.050	032FH	74400X032FH
74134F	SBC 23° 40/60	1.480	.450	.175	021F	74400X021F
74135F	SBC 17°	1.650	.450	.175	013F	74400X013F
74143F	SBC 13°	1.650	.550	.150	023F	74400X023F
74168B	SBC 272-21 & 280-22 Billet	1.650	.750	.250	023F	74400X023F

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74226F	Chev Lil Brodie 90° V-6-10	1.550	.300	.175	001F	74400X001F
74164F	LS Series STS BR-7 BS	1.550	.450	.050	032F	74400X032F
74101F	Brodix BR-1 LS1	1.450	.000	.000	108F	74400X108F
74105F	Brodix BR-3 LS	1.450	.175	.000	105F	74400X105F
74107F	LS7 Machine Work Required	1.550	.350	.050	007F	74400X007F
74112F	SBC -8 through -11	1.480	.250	.100	020F	74400X020F
74126F	SBC 10x 11x 40/60 & ASCS	1.480	.250	.100	021F	74400X021F
74126FT	SBC TRACK 1X 40-60, 10X 11X 40/60 (ASC) PONT 867 WITH .150" LONG VALVES & .760 VALVE LIFT	1.480	.250	.100	021FT	74400X021FT
74127F**	SBC 10x 11x 40/60 & ASCS	1.480	.450	.100	021F	74400X021F
74197F	SBC Brodix 1 way tech. 21X 60-80 valve spacing	1.480	.550	.100	022F	74400X022F
74196F	SBC Brodix 10X 21° Clements	1.550	.550	.250	012F	74400X012F
74122F*	SBC -12 RP LA 40/60	1.650	.500	.250	023F	74400X023F
74136F	SBC -12 RP LA 58/107	1.650	.550	.250	023F	74400X023F
74124F*	SBC -12 RP LA 70/125	1.650	.550	.250	023F	74400X023F
74018F	SBC 13° Clements Head	1.650	.550	.250	012F	74400X012F
74018B	SBC 13° Clements Head Billet	1.650	.650	.250	012F	74400X012F
74194F	SBC 18C Series Needs Offset Intake Lifters	1.450	.550	.250	021F	74400X021F
74129F	SBC 18° Clone	1.480	.550	.250	021F	74400X021F
74125F*	SBC 18° Clone LA	1.650	.550	.250	013F	74400X013F
74195F	SBC 18X Series 18° 40/60	1.450	.250	.100	025FT	74400X025FT
74188B	SBC 4.500 Bore Spacing 12° Steel Billet	1.650	.650	.170/.270	004F	74400X004F
74182B	SBC 4.500 Bore Spacing 13° Billet	1.650	.600	.250	009F	74400X009F
74183B	SBC 4.500 Bore Spacing 10° Billet	1.650	.650	.250	019F	74400X019F
74159F	SBC Dragon Slayer DS225cc 23°	1.480	.250	.100	052F	74400X052F
74168B	SBC GB-2300 & GB-2000 Billet	1.650	.750	.250	023F	74400X023F
74023F	SBC Headhunter 23° 225-234cc	1.450	.450	.150	021FT	74400X021FT
74174F	Spec SP CH SBC Track I,	1.480	.250	.100	014F	74400X014F
74126F	SBC Track 1x 40/60	1.480	.250	.100	021F	74400X021F
74175F	SBC Track 1x STS T1 STD 233, STS T1 245	1.480	.550	.100	021FT	74400X021FT
74704F*	BBC BB-1, BB-2, BB-2 plus /Race Rite	1.650	.100	.000	204F Intake 208F Exhaust	74400X204F 74400X208F
74702F*	BBC, BB-2X, BB-2extra, BB-3	1.650	.100	.000	202F Intake 205F Exhaust	74400X202F 74400X205F
74703F*	BBC BB-3 XTRA	1.650	.100	.000	206F Intake 207F Exhaust	74400X206F 74400X207F
74706F*	BBC Head Hunter 383	1.650	.100	.000	218F Intake 219F Exhaust	74400X218F 74400X219F
74713F*	BBC Head Hunter 383-395MC	1.650	.100	.050	218F Intake 219F Exhaust	74400X218F 74400X219F
74716B	BBC Brodix SR20 Billet	1.850	.000	.000	141F Intake 142F Exhaust	74400X141F 74400X142F
74285F	SBF Track 1 351 Spec	1.480	.000	.000	085F	74400X085F

**Available with EnduraMax
Bushings option in rocker tips
#73715BB**



**Needle Bearing Tip Option
#73715R**



NOTE: I.D. numbers are stamped on all mounting base stands. When you are ordering your replacement base stand please reference this I.D. number to ensure you get the correct part.

Most shaft rocker assemblies are available with optional offsets. If you don't find the offset you require, please ask about availability.

Note: Part numbers ending in "B" have steel billet rocker bodies.

*** One piece intake stand, no machine work required.**

* LA = Long Arm **Optional offset Ratios over 1.8 may require a long arm rocker arm.



Stainless Steel Shaft Mounted Rocker Systems

**Steel Billet Rockers Available
For All Popular Applications**

BMF

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74178F	SBC 18°	1.650	.500	.250	012F	74400X012F
74193B	SBC 18°	1.650	.650	.275	012F	74400X012F
*74705F	BBC BMF 350-385	1.650	.100	.000	201F Intake 220F Exhaust	74400X201F 74400X220F

CANFIELD

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74111F	SBC 23° 400	1.480	.100	.100	020F	74400X020F
74131F	SBC Small Runner	1.480	.250	.100	020F	74400X020F
74132F	SBC Large Runner	1.480	.450	.100	021F	74400X021F
74144F	SBC 23° 220	1.480	.450	.100	024F	74400X024F
74145F	SBF Model #20450 Windsor	1.480	.100	.100	085F	74400X085F
74705F	BB Chev Canfield & BMF-385 Alum Cyl Head By CFE With One Piece Intake Stands (5/8 Shafts)	1.650	.100	.000	201F Intake 220F Exhaust	74400X201F 74400X220F

CID

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74434F	CID,LS 4.185 BELS + 4.125	1.600	.250	.000	434F	74400X434F
74435F	CID LS 4.125 BELS	1.600	.250	.000	434F	74400X434F

DART

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74103F	SBC Pro 1 227, 23°	1.480	.300	.200	052F	74400x052F
74104F	SBC Pro 1 Platinum 227 + .100 valve CNC ports	1.480	.350	.175	052F	74400X052F
74105F	LS3, L92 & Dart #11030050	1.450	.175	.000	105F	74400X105F
74112F	SBC Pro 1	1.480	.250	.100	020F	74400X020F
74111F	SBC Dart II Sportsman	1.480	.100	.100	020F	74400X020F
74112F**	SBC Dart II Sportsman	1.480	.250	.100	052F	74400X052F
74152F	SBC 230 Iron Eagle	1.450	.350	.100	052F	74400X052F
74113F	SBC Iron Eagle + .300 valve	1.480	.300	.200	027F	74400X027F
74127F	SBC 23° RR 40/60	1.480	.450	.100	021F	74400X021F
74117F*	SBC15°, 16°, 18° Clone LA	1.650	.550	.250	012F	74400X012F
74128F	SBC15°, 16°, 18° Clone	1.480	.550	.250	020F	74400X020F
74102F	SBC 12.5°	1.650	.550	.250	012F	74400X012F
74184B	SBC 4.400 Bore Spacing 9° Billet	1.650	.650	.250	018F	74400X018F
*74701F	BBC Pro 1 310/325/345	1.650	.000	.000	100F Intake 101F Exhaust	74400x100F 74400x101F
*74721F	BBC Pro 1 CNC 335/355 & Pro 2 380	1.650	.100	.075	100F Intake 101F Exhaust	74400x100F 74400x101F
*74708F	BBC Race series 320-360	1.650	.000	.075	104F Intake 101F Exhaust	74400x104F 74400X101F
*74709F	BBC Big M	1.650	.000	.075	100F Intake 212F Exhaust	74400X100F 74400X212F
74710B	BBC Race Series 18° oval port 383cc Billet	1.850	.100 .150	.000	196F Intake 197F Exhaust	74400X196F 74400X197F
74726B	B.B.C. PRO 1, 20° Billet	1.850	.000	.000	143F Intake 142F Exhaust	74400X143F 74400X142F
74156F	SB Ford Pro I CNC 225 4.155 Bore	1.450	.000	.000	085F	74400X085F
74183B	SBC 9° 4.500 Bore Spacing Billet	1.650	.650	.250	019F	74400X019F
74498F	LS7 Pro 1 12° 11061080J	1.600	.000	.000	058F	74400x058f

*** One piece intake stand, no machine work required.**

**Available with EnduraMax
Bushing option in rocker tips
#73715BB**



**Needle Bearing Tip Option
#73715R**



**NEW
DLC Coated Pin
#73715PHC**



Note:

The shaft rocker part numbers listed are made to the manufacturers max lift configurations. If your application has modifications, such as longer valves for higher lift, it may require customization to maintain correct geometry. Please specify when ordering.

Most shaft rocker assemblies are available with optional offsets. If you don't find the offset you require, please ask about availability.

* LA = Long Arm **Optional offset
Ratios over 1.8 may require a long arm rocker arm. Arm lengths over 1.650 are available in steel billet.

NOTE: I.D. numbers are stamped on all mounting base stands. When you are ordering your replacement base stand please reference this I.D. number to ensure you get the correct part.

**Steel Billet Rockers Available
For All Popular Applications**

Stainless Steel Shaft Mounted Rocker Systems

EDELBROCK

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74111F	SBC Performer	1.480	.100	.100	020F	74400X020F
74131F	SBC Victor Jr.	1.480	.250	.100	020F	74400X020F
74128F	SBC Victor 18°	1.480	.550	.250	020F	74400X020F
74117F	SBC Victor 18° LA	1.650	.550	.250	012F	74400X012F
74176F	SBC head 61219	1.480	.300	.200	117F	74400X117F
74186F	SBC head 61229	1.480	.550	.200	021FT	74400X021FT
74704F*	BBC RPM Performer	1.650	.100	.100	204F Intake 208F Exhaust	74400X204F 74400X208F
74724F*	BBC Victor 24°	1.650	.000	.100	216F Intake 217F Exhaust	74400X216F 74400X217F
74156F	SB Ford Victor Jr.	1.450	.000	.000	085F	74400X085F
74163F	Pontiac 326-455 with .100 offsets	1.480	.100	.100	060F	74400X060F
74165F**	Pontiac 326-455 with optional offset	1.480	specify	specify	060F	74400X060F
74192F	S.B. Chrysler 1967-91 318-360 c.i.d. P/N 61739-61729 machine work required	1.450	.350	.100	066F	74400X066F

Needle Bearing Tip Option

#73715R



NEW DLC Coated Pin

#73715PHC



ETP

FRANKENSTEIN

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74106F	LXR - LS-7 4.0 Bore	1.550	.350	.000	007F	74400X007F
74108F	LS-7 4.100 Bore	1.550	.350	.000	007F	74400X007F
74109F	LS-7 4.000 Bore	1.550	.350	.050	007F	74400X007F

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74241F	Frankenstein LS F110 265cc	1.600	.450	.100	102F	74400X102F
74440F	Frankenstein LS-3 F310 285cc	1.650	.000	.000	040F	74400X040F
74447F	Frankenstein LS F710S	1.650	.000	.100	058F	74400X058F

GM CASTINGS

Most shaft rocker assemblies are available with optional offsets. If you don't find the offset you require, please ask about availability.

* LA = Long Arm **Optional offset
Ratios over 1.8 may require a long arm rocker arm.

**Available with
EnduraMax**

**Bushing option
in rocker tips**



Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74101F	LS1-LS2-LS6	1.450	.000	.000	108F	74400X108F
74105F	LS3 & L92	1.450	.175	.000	105F	74400X105F
74107F	LS7 Machining Required	1.550	.350	.050	007F	74400X007F
74218F*	V6 18° LA	1.650	.550/.650	.250	006F	74400X006F
74111F	SBC Iron & Bowtie	1.480	.100	.100	020F	74400X020F
74119F	SBC Phase 6 Alum. Bowtie	1.480	.450	.250	020F	74400X020F
74128F	SBC 18°	1.480	.550	.250	020F	74400X020F
74117F*	SBC 18° LA	1.650	.550	.250	012F	74400X012F
74151F*	SBC GM LA (1.8:1 to 2:1)	1.650	.100	.100	012F	74400X012F
74700F*	BBC Iron casting	1.650	.000	.000	204F Intake 207F Exhaust	74400X204F 74400X207F
74122F*	Pontiac/SBC 15° LA	1.650	.475	.100	023F	74400X023F
74126F	Pontiac/SBC 23° 867 40/60	1.480	.250	.100	021F	74400X021F
74127F**	Pontiac/SBC 23° 867 40/60	1.480	.450	.100	021F	74400X021F
74163F	Pontiac BB 326/455 with .100 offsets	1.480	.100	.100	060F	74400X060F
74165F**	Pontiac 326-455 with optional offset	1.480	specify	specify	060F	74400X060F
74166F	Pontiac 18° #10093391	1.480	.550	.100	021F	74400X021F

KAUFFMAN

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74169F	Pontiac KRE 326-455	1.450	.200	.100	062F	74400X062F

Mast

NOTE: I.D. numbers are stamped on all mounting base stands. When you are ordering your replacement base stand please reference this I.D. number to ensure you get the correct part.

* One piece intake stand, no machine work required.

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74030F	LS3 510-203 .650 OR Less Lift	1.480	.350	.050	005F	74400X005F
74031F	LS3 510-203 More Than .650" Lift	1.480	.350	.050	102F	74400X102F
74146F	11° LXR - LS3 255cc	1.550	.350	.050	005F	74400X005F
74147F	Fits- 510-224, 510-225, 510-204, 510-207 & 510-209	1.550	.450	.000	007F	74400X007F
74160F	Fits- 510-303, 510-310 & 510-323	1.450	.400	.150	061F	74400X061F
74164F	Fits- 510-224 J, 510-225 J, 510-204 J, 510-207 J & 510-209 J	1.550	.450	.050	032F	74400X032F

Note:

Crower has manufactured its Shaft Rocker Systems to cylinder head manufacturer's specifications and maximum lifts. If you deviate from these specifications such as using longer valves to increase lift, you will need a custom part number made to keep geometry correct.



Stainless Steel Shaft Mounted Rocker Parts

Steel Billet Rockers Available
For All Popular Applications

PRECISION RACE COMPONENTS

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74019F	LS-7 PRC	1.550	.250	.050	007F	74400X007F
74015F	LS-3	1.480	.225	.000	102F	74400X102F

Needle Bearing Tip Option

#73715R



NOTE: I.D. numbers are stamped on all mounting base stands. When you are ordering your replacement base stand please reference this I.D. number to ensure you get the correct part.

* One piece intake stand, no machine work required.

RHS / PRO TOPLINE / PRO ACTION

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74187F	Chevy LS-7 #54501 Only	1.550	.250	.000	105F	74400X105F
74123F	SBC 23° Iron RR	1.480	.450	.100	020F	74400X020F
74153F	SBC 23° Iron RR LA*	1.650	.450	.100	012F	74400X012F
74118F	SBC 220 Motown 23°	1.480	.250	.100	020F	74400X020F
74174F	SBC Iron Lightening	1.480	.150	.100	014F	74400X014F
74138F	SBC Pro Action 14°	1.650	.550	.250	016F	74400X016F
74149F	SBC Pro Action 235cc	1.450	.350	.150	052F	74400X052F
74149F	SBC Pro Topline 235cc	1.450	.350	.150	052F	74400X052F
74720F*	BBC RHS 380 CNC	1.650	.000	.000	206F Intake 220F Exhaust	74400X206F 74400X220F
74167F	SB Ford Pro Topline 215cc	1.480	.000	.075	067F	74400X067F

Pro-Comp

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74158F*	SBC Pro-Comp PC-3003	1.480	.150	.075	052F	74400X052F
74715F*	BBC Pro-Comp	1.650	.100	.050	222F Intake 223F Exhaust	74400X222F 74400X223F

NEW DLC Coated Pin #73715PHC



Promax

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74189B	SBC 13° 219X Billet	1.650	.750	.250	012F	74400X012F
74185F	SBC 23° 176-18 to 176-XC23	1.480	.300	.100	003F	74400X003F
74791F	BBC Sniper 320cc 355-375	1.650	.000	.000	258F Intake 259F Exhaust	74400X258F 74400X259F
74725F	BBC Sniper 174X	1.650	.075	.075	260F Intake 261F Exhaust	74400X260F 74400X261F

Pro-Filer

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74177F	SBC 23DEG. 183CC 185CC 190CC 200CC 225CC	1.480	.300	.200	052F Intake	74400X052F

TFS-Trick Flow

Available with EnduraMax Bushing option in rocker tips

#73715BB



Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74179F	LS-7 GEN X 260 8mm	1.550	.350	.050	033F	74400X033F
74173F	Gen X 255 LS3	1.450	.350	.000	005F	74400X005F
74150F	LS1-1X 7/16 Bolts 245	1.450	.100	.000	135F	74400X135F
74101F	LS1-2 8mm TFS 245	1.450	.000	.000	108F	74400X108F
74154F	SBC -5 18°	1.480	.550	.250	020F	74400X020F
74111F	SBC 23°	1.480	.100	.100	020F	74400X020F
74719F	BBC 280-320-360	1.650	.000	.150	227F Intake 219F Exhaust	74400X227F Int. 74400X219F Exh.
74723F	BBC 365cc	1.650	.000	.000	229F Intake 209F Exhaust	74400X229F Int. 74400X209F Exh.
74275F	SBF Ford High Port Race	1.480	.100	.075	085F	74400X085F
74275FT	SBF Ford High Port Race Plus .150 Valve	1.480	.225	.100	085FT	74400X085FT

WORLD PRODUCTS

Part#	Description	Arm Length	Intake Offset	Exhaust Offset	Stand I.D. #	Stand Part #
74110F	LS-7X Machining Required	1.550	.350	.050	007F	74400X007F
74111F	SBC SR Torquer	1.480	.100	.100	020F	74400X020F
74112F	SBC Sportsman II	1.480	.250	.100	020F	74400X020F
74711F*	BBC Cast Iron Merlin	1.650	.000	.000	204F Intake 207F Exhaust	74400X204F 74400X207F
74712F*	BBC Merlin III	1.650	.000	.000	214F Intake 215F Exhaust	74400X214F 74400X215F

Note: Crower has manufactured its Shaft Rocker Systems to cylinder head manufacturer's specifications and maximum lifts. If you deviate from these specifications such as using longer valves to increase lift, you will need a custom part number made to keep geometry correct.

Steel Billet Rockers
For All Popular Applications

Stainless Steel Shaft Mounted Rocker Systems



SHAFT REPLACEMENTS

Part#	Description
74501X001F	Chevrolet SB Cylinders 1,5,8,4 5/8"
74501X002F	Chevrolet SB Cylinders 3,7,6,2 5/8"
74501X008F	Ford 351 5/8"
74501X020F	Chevrolet BB 5/8"
74501X027F	Chevrolet LS7 4.339 OAL
74501X028F	Chevrolet LS7 4.379 OAL



Torx Head Shaft Bolts

Shaft bolt fastens rocker shaft to the mounting base stand.
(5/16-24 X 1 1/4 Torx Plus)
#74524-002 1 Only



Stand-to-Cylinder Head Shims

Mounting base stand shimming is often required to achieve optimum rocker arm-to-valve geometry. Available in three thicknesses. Specify head when ordering

Part#	Description
74527X025	.025 Thick 1 only
74527X050	.050 Thick 1 only
74527X100	.100 Thick 1 only
74530X030	Inv. Sft. Rk. 1 only
74521A045	LS 7/16 X .045
74521B045	LS 8mm X .045

Stand Bolts

Fasteners for securing mounting base stands to cylinder head.

Part#	Description
74525X001	MOUNTING BOLT 7/16 X .750 LONG
74525X002	MOUNTING BOLT 7/16 X 1.000 LONG
74525X003	MOUNTING BOLT 7/16 X .875 LONG
74525X004	MOUNTING BOLT 7/16 X 1.250 LONG
74525X006	MOUNTING BOLT (TO HEAD) 3/8 X 1.000 LONG 12 PT
74525X007	PLATE BOLT FLAT HEAD TORX PLUS 3/8-16 X 1.00
74525X007M	LS STAND BOLT FLAT HEAD TORX 8mm X 1.25
74525X008	MOUNTING BOLT 8MM X 1.25 20MM UHL
74525X008K	MOUNTING BOLT 8MM X 1.25 16MM UHL
74525X008L	MOUNTING BOLT 8MM X 1.25 25MM UHL
74525X008M	MOUNTING BOLT 8MM X 1.25 30MM UHL
74525X010	MOUNTING BOLT 1/4-20 X 1.000 12 PT FOR BB ONE PC PLATE SETUP
74525X011	MOUNTING BOLT 7/16-14 X 1.250 12 PT
74525X012	MOUNTING BOLT 7/16-14 X 1.000 LONG 12 PT
74525X013	MOUNTING BOLT 7/16-14 X 1.500 LONG 12 PT

NEW DLC Coated Pin #73715PHC



Snap Rings

Snap ring for Stainless shaft rocker assemblies.
11/16 shaft
#73714 1 only
5/8 shaft
#74529S 1 only



Dowel Pin

Dowel pin for locating individual shaft rocker mounting base stands.
Part No. 74531 3/16"
Part No. 74531S 1/8"



Stainless Steel Shaft Rocker Replacement Bodies

Our replacement bodies are built to the same exacting tolerances as our shaft assemblies for true bolt-on accuracy and repeatability. They include the adjusting components, tip assembly and bearings. They are fully assembled, ready for mounting. Specify engine, head, which cylinder, intake or exhaust, ratio and offset when ordering.

#74510 Shaft Rocker Body 1 only



Assembled Stainless Steel Shaft Rocker Replacements

Our mounted replacement bodies are fully assembled, ready for mounting. They include the adjusting components, tip assembly, bearings, shaft and shaft spacers. Specify which cylinder, ratio and offset when ordering.

#74503 Shaft Rocker – 1 Assembled Pair for 1 pc. stand

#74505 Shaft Rocker – 1 Assembled Rocker for individual stand

SHAFT SPACERS *Stainless Only*

Hardened steel spacers for proper valve stem-to-rocker tip alignment.

Part#	Description
74526F018	5/8" x 1 1/8" x .018 thick
74526F020	5/8" x 1 1/8" x .020 thick
74526F030	5/8" x 1 1/8" x .030 thick
74526F045	5/8" x 1 1/8" x .045 thick
74526F050	5/8" x 1 1/8" x .050 thick
74526F055	5/8" x 1 1/8" x .055 thick
74526F060	5/8" x 1.150" x .060 thick
74526F065	5/8" x 1 1/8" x .065 thick
74526F070	5/8" x 1 1/8" x .070 thick
74526F075	5/8" x 1 1/8" x .075 thick
74526F080	5/8" x 1 1/8" x .080 thick
74526F085	5/8" x 1 1/8" x .085 thick
74526F090	5/8" x 1 1/8" x .090 thick
74526F095	5/8" x 1 1/8" x .095 thick
74526F100	5/8" x 1 1/8" x .100 thick
74526F120	5/8" x 1 1/8" x .120 thick
74526F125	5/8" x 1 1/8" x .125 thick
74526F145	5/8" x 1 1/8" x .145 thick
74526F185	5/8" x 1 1/8" x .185 thick
74526F250	5/8" x 1 1/8" x .250 thick
74526F260	5/8" x 1 1/8" x .260 thick

Axle Pin & Wheel Assemblies

Individual parts:

#73715P Axle pin, 1 only

#73715T261 Tip wheel, 1 only



Needle Bearings

Part#	Description
73713	11/16" dia. x 3/8"
74528X002	11/16" dia. x 1/2"
74528X010	5/8" dia. x 7/16"
74528X011	5/8" dia. x 1/2"

Lash Adjustment Components

- #74522** 3/8 lash adjuster screw, 1 only
- #74522S** 3/8 - fits Crower Billet Shaft Rocker Arms
- #74523** Lash adjuster jam nut, 1 only 3/8-24 12pt
- #74523L** Lash adjuster nut, low profile for LS

Accessories

Adjustable Pushrod Gauge

Allows you to quickly determine the precise pushrod length requirement. A must have tool for achieving optimum valve train geometry.



Torx Drive Insert

Fits our shaft bolts.
#74307

Part#	Description
70480A	5.800" to 6.800"
70481A	6.800" to 7.800"
70482A	7.800" to 8.800"
70483A	8.800" to 9.800"
70485A	includes one of each length

Shaft Height Gauge kit

Clever tool makes quick work of setting optimum stand and shaft rocker height.

#74300X004 11/16" Gauge

#74300X625 5/8" Gauge

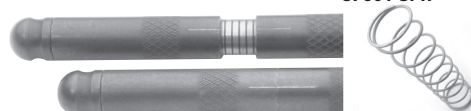
#74301F2 5/8" Shaft

#74301 11/16" Shaft



Testing/Checking Spring

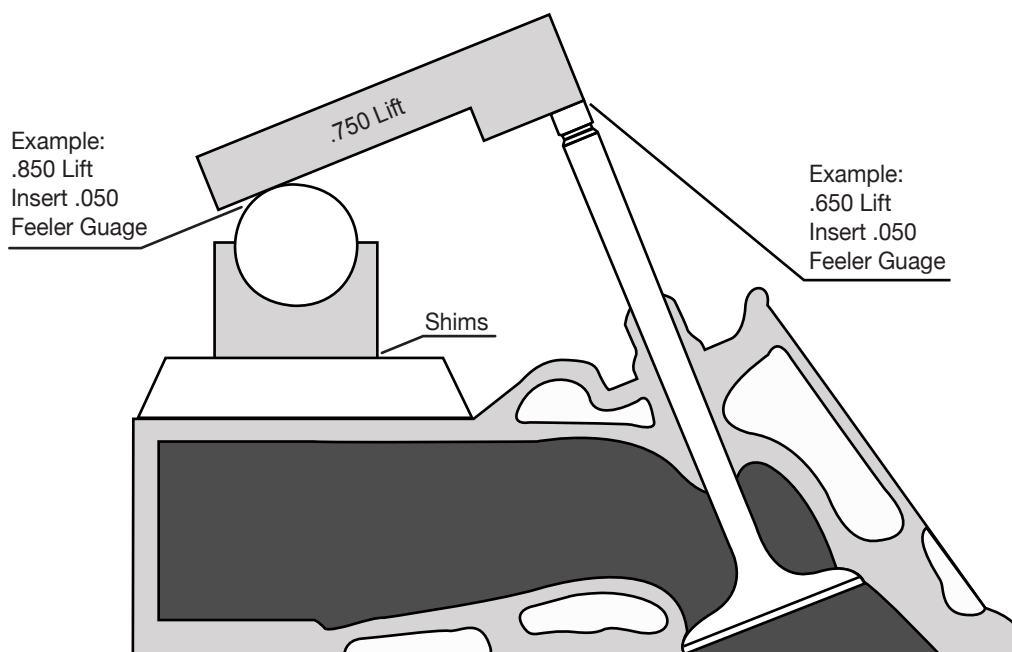
Set of 2
87601-SPR



Installation Instructions

Guage Instructions & Torque Specs

While securing valve seat, place guage on valve shown. Raise or lower rocker stand until guages makes contact with setup shaft supplied.



Shaft Bolt Torque Specs:	
5/16 - 24	25 ft lbs. with oil
	28 ft lbs.
Stand Bolts:	
7/16 - 14	40-45 ft. lbs. Use thread sealant
1/4 - 20	5 - 10 ft lbs.
3/8 - 16	35 ft lbs.
Bracket to Head:	
8 mm	25 ft lbs. with oil
	28 ft lbs.
Adjuster Lock Nut:	
	15-25 ft lbs.

Note: The shaft height guage supplied with this assembly is manufactured for 0.750" of valve lift. For lifts less than 0.750", the shaft height should be raised by half the difference. For lifts greater than 0.750" lift, the shaft height should be lowered by half the difference. See Example

Please visit www.crower.com, or call Crower for any further installation questions.

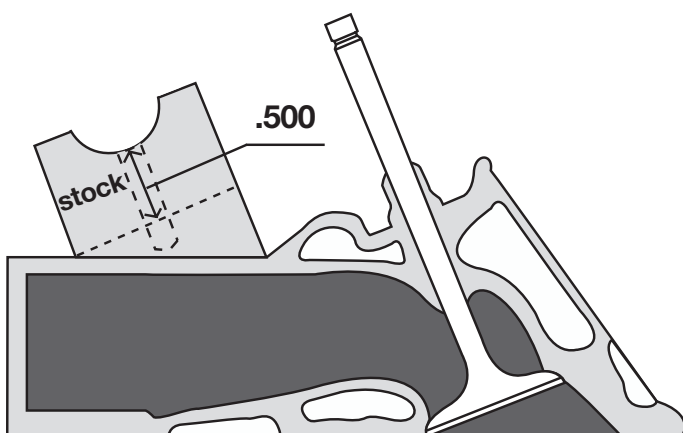
Installation Instructions

LS-7 STOCK GM ALUMINUM HEAD / BRODIX STS BR-7

Machine work required for stainless steel shaft mounted rocker system.

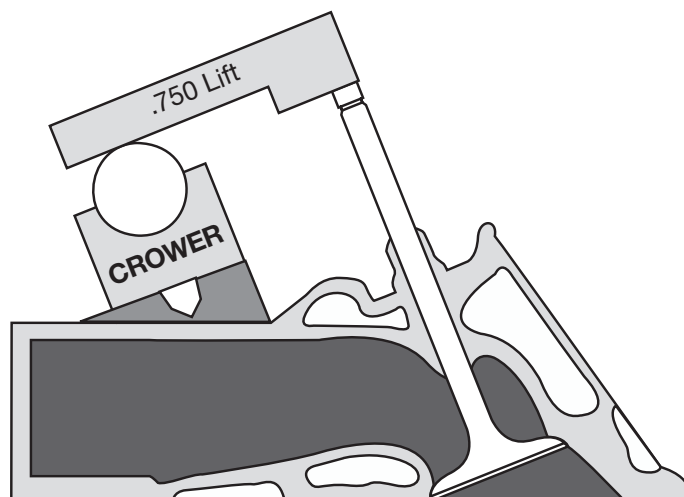
You must machine down original GM rocker pedestal at 7° degree angle same as hold down bolt, cut pad area only (do not cut across the intake port), machine pedestal down .500 from bottom of radius in stock pedestal as shown in Fig.1. Using gage provided check rocker stand height as shown in Fig. 2.

Note: This number .500 was determined using stock length valves and .750 lift. If you use different length valves and different lift you must adjust accordingly. Now drill and tap 8mm x 1.25, hold down bolts as deep as possible. Use caution not to drill into intake port If you do use thread sealant on bolts.



MACHINE WORK REQUIRED.

Figure. 1



MACHINE WORK REQUIRED.

Figure. 2

Shaft Bolt Torque Specs:	
5/16 - 24	25 ft lbs. with oil
	28 ft lbs.
Stand Bolts:	
8 mm	25 ft lbs. thread sealant
	28 ft lbs.
Adjuster Lock Nut:	
	15-25 ft lbs.

While securing valve seat, place guage on valve as shown. Raise or lower rocker stand until guage makes contact with setup shaft supplied.

Note: The shaft height guage supplied with this assembly is manufactured for 0.750" of valve lift. For lifts less than 0.750", the shaft height should be raised by half the difference. For lifts greater than 0.750" lift, the shaft height should be lowered by half the difference. See Example on pg 156

Please visit www.crower.com, or call Crower for any further installation questions.