



## Tech Tips: Crower

Rocker arms play a pivotal role in maintaining peak valve train performance. Their strength and durability are essential for withstanding the high stress and heat generated in engines, especially in high-performance applications. Ultimately, sturdy rockers help deliver better overall engine efficiency and longevity.

### Steel Billet Shaft Rockers

At Crower, we're always innovating. Our shaft rocker systems are specifically designed for the latest "hot" cylinder heads. Each Crower Shaft Rocker setup is meticulously engineered and manufactured to deliver maximum valve train rigidity and precision.

We use the longest possible arm length for each application, minimizing rocker tip travel. This design approach reduces frictional power loss and accommodates larger diameter valve springs. Plus, our setups make "at the track" valve train modifications a breeze. You can make any changes that require rocker removal, knowing you can reassemble with absolute accuracy.

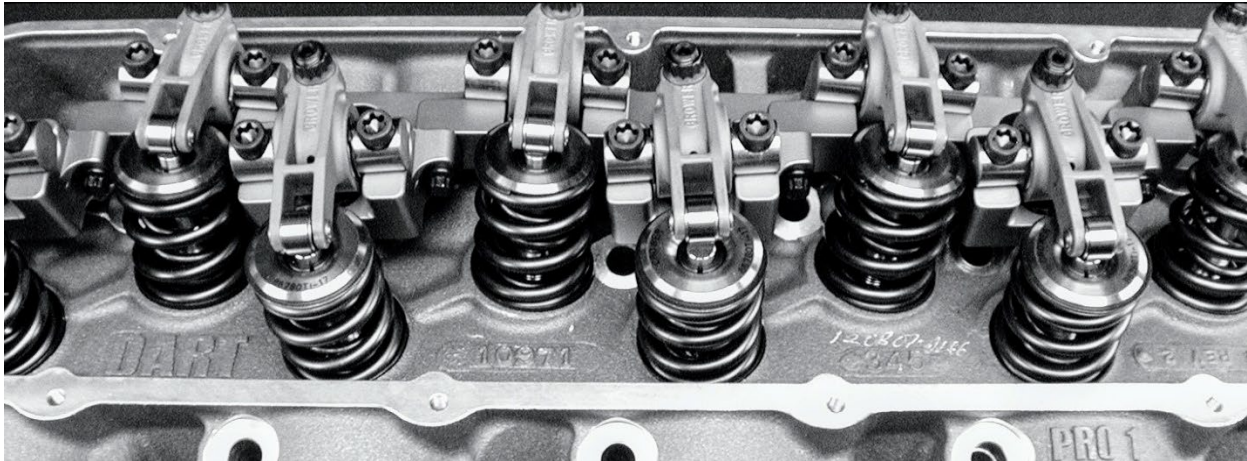
For extreme horsepower applications of 1500 and above, we recommend our Crower Steel Billet Shaft Rockers.



### Shaft Mounted Stainless Steel Rocker Arms

For those who prefer a steel-based valve train, Crower offers a range of shaft-mounted stainless steel rocker arms. Each configuration is painstakingly designed to provide exceptional rigidity, accuracy, and optimized moment of inertia. Our engineers prioritized ease of installation and maintenance, ensuring you can work efficiently when time is critical at the track.

Stainless steel's durability in high-temperature conditions makes it an ideal choice for demanding applications like dirt late models and marine endurance racing. Stainless steel components provide superior resistance to heat induced material integrity deterioration compared to aluminum, ensuring longer life in extreme conditions. Plus, our shaft rocker systems are available with a needle bearing, bushed, or DLC-coated pin tip option for enhanced performance.



## Needle Bearing Tip Option

Crower has advanced valve train technology with a needle bearing roller tip, bushed, or new DLC-coated pin option, now available on all Crower stud and shaft mount rocker arm assemblies. This lighter tip enhances valve control for higher RPMs and promotes valve spring longevity by reducing heat compared to traditional designs.

## ***Crower Shaft Rocker Systems Are Available With A Needle Bearing, Bushed or DLC Coated Pin, Tip Option For Enhanced Performance.***

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

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.

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

The needle bearing design minimizes friction, resulting in increased horsepower and less wear on the valve guide and stem. The DLC-coated pin further reduces friction with fewer moving parts. This race-proven technology has been shown to extend component life.