



## High Performance Disc Wheel Hubs

### Gunite TRU-SET® Bearing Spacer Set System Brochure



Your only single source for industry-leading wheel end solutions.

STEEL & ALUMINUM WHEELS | DRUMS | HUBS | ROTORS | SLACK ADJUSTERS

## **Eliminates Premature Seal Failure**

Traditional bearing replacement can result in the improper loading of the hub/bearing assembly. This improper adjustment will cause premature seal failure, and in turn can cause problems with contaminated brake components and extremely premature bearing failure.

Gunite High Performance Hubs are assembled in a controlled factory environment, the seals and bearings are protected from damage caused by improper installation procedures. This greatly reduces the potential for problems caused by leaking wheel seals.

## **Drive Flange Oil Fill Design**

Gunite High Performance Hubs are available with our integral oil fill feature. This unique design feature allows the use of lubricants that are compatible with today's most popular differential lubricants.

## **Reduced Maintenance Cost and Less Downtime**

Your vehicles make money on the road, not in the shop. Fleets using Gunite High Performance Hubs are experiencing substantial reductions in maintenance costs. No more downtime for bearing adjustments. And, because of the extended intervals in routine wheel-end maintenance resulting from bearing failure and replacement, your trucks spend more time on the road and less time in the shop.

Even when wheel-end maintenance is required the downtime for installation of Gunite High Performance Hubs is substantially less than the time required for replacing a traditional hub assembly. Simply remove the old wheel-end assembly and replace it with a fully assembled Gunite High Performance Hub. It's that quick and that easy.

## **Gunite High Performance Hubs - Lighter Weight/Lower Maintenance**

Gunite lighter weight High Performance Hubs provides all of the advantages of our standard ductile iron hubs plus the added advantage of Gunite TRU-SET® Bearing Spacer Set System.

## **Precision Components for Optimum Bearing Life**

The Gunite High Performance Hubs are factory assembled with precision components. This eliminates problems associated with improper bearing adjustment in the field.



## Lightweight Durability

Because Gunite High Performance Hubs are cast of durable ductile iron they can eliminate many of the common problems associated with aluminum hubs. Gunite ductile iron hubs are less likely to be damaged by mis-piloting during drum installation, a common problem faced by users of aluminum hubs.

Gunite High Performance Hubs are also far less susceptible to problems caused by corrosion on the mounting surface than are aluminum hubs. Excessive build-up of corrosion on the mounting surface can cause misalignment of the wheels during routine maintenance, resulting in loose wheel conditions and excessive wear to the wheel-end components and assembly.

Thermal characteristics of ductile iron and steel bearing cups are similar. The thermal characteristics of steel bearing cups and aluminum are different; aluminum expands at approximately 2.5 times greater than steel bearing cups or ductile iron. This is important because bearing cups are retained within a hub by means of an interference fit between the machined bore of the disc wheel hub, and the outer diameter of the bearing cups. Aluminum hubs typically have a two to three times greater interference fit than ductile iron hubs. Spinning bearing cups are more pronounced on front (steer) axles due to the changing geometry that occurs during steering maneuvers and the shifting load line may cause the bearings to run hotter. Depending on the thermal characteristics of the hub material, the bearing cup can begin to "creep," which reduces the interference fit further, ultimately leading to a spinning cup situation.

## Lower Life Cycle Costs

Gunite High Performance Hubs are assembled to exact tolerances using the TRU-SET® Bearing Spacer Set System, which substantially increase the life cycles of both the seals and bearings. This means substantially lower maintenance costs over the life cycle of your equipment.

## Packaging

When installed with the TRU-SET® Bearing Spacer Set System, Gunite High Performance Hubs are shipped in its patent pending packaging which prevents outside contamination while eliminating component movement during transit. The hub packaging is specially designed to aide in the proper installation of the disc wheel hub to the axle spindle.

## Warranty

Gunite High Performance Hubs designed and manufactured with the TRU-SET® Bearing Spacer Set System are backed by a comprehensive warranty, please contact Accuride Corporation for complete details.



## Gunite Sets the Standard



### Brake Drums

Gunite has been an industry leader in the design and development of brake drums for the heavy-duty industry for over 75 years. Today Gunite offers the industry's most complete line of brake drums including their Tru-Pilot dual step piloted drum, specifically designed to reduce problems associated with mis-piloting during brake drum installation.



### Disc Brake Rotors

Gunite was a pioneer in the development of disc brake rotors for medium - and heavy-duty disc brake systems. Gunite offers the industry's most complete line of disc brake rotors with part numbers for all of the popular applications.



### Disc Wheel Hubs

Gunite High Performance disc wheel hubs, designed with the LMS™ hub system, offer the ultimate in lower weight and lower maintenance by combining state-of-the-art technology with proven performance. Gunite's high performance hubs made with the LMS™ hub system, combine proven Outrunner™ sea technology with a precision manufactured bearing spacer and special tolerance bearings to eliminate end-play related failures.



### Spoke Wheels

Gunite spoke wheels have long been the standard for a wide variety of vocational and severe duty applications. Gunite spoke wheels are less costly than disc wheels in initial cost and in terms of routine maintenance costs over the life of the vehicle. For extreme duty applications, Gunite offers their super wide rim mounting surface and 28% more metal to withstand even the most grueling applications.



### Automatic Slack Adjusters

Gunite automatic slack adjusters are the industry's first choice for performance, reliability and safety. Gunite slacks improve brake performance; lower operating costs, reduce downtime and are backed by one of the industry's best warranties. Gunite offers both a Collar Lock Clevis for traditional applications and the Gunite 2000 series for applications with long stroke air chambers using a welded on clevis.

**Your only single source for industry-leading wheel end solutions.**

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