

DATA SHEET

Driveshafts >

MECHANICS® DRIVESHAFTS CONVENTIONAL AND INVERTED SLIP

Mechanics® application-matched drivelines are rugged assemblies that withstand the demands of today's more powerful powertrain requirements. Precision balancing assures smooth, vibration-free operation. All components are specifically designed to meet the optimum requirements for a given u-joint size. Driveshafts are available in a wide range of sizes and a broad RPM operating range.

CONVENTIONAL >

Mechanics® conventional driveshafts are backed by years of proven performance in some of the most extreme off-highway applications. They have set the industry standard for quality for years, and are backed by the technology, systems and people to meet even the highest expectations.

BENEFITS INCLUDE >

- > **Conventional C-Type/Wing Style Sizes 2C – 15.5 C**
- > **SAE Round Style 310R – 810R (Directly interchangeable with Spicer® Style Round Bearing)**
- > **Relubeable Design**
- > **Nylon Coated Splines (Optional)**

INVERTED SLIP >

All sizes of Mechanics® Series EC and ER driveshafts incorporate unique patented features that set the industry standard.

- > **Maintenance Free or Relubeable Configurations**
- > **EC – C-Type/Wing Style 5C – 20C**
- > **ER – SAE Round 410R – 810R (Directly interchangeable with Spicer® Style Round Bearing)**
- > **Dual Seal Technology**

BENEFITS INCLUDE >

- > **Maintenance free**
- > **Increased slip length**
- > **Increased spline life**
- > **Sealed Mechanism**
- > **Dual Seal Technology**
- > **Reduced Coefficient of Friction and Compressive Stresses**
- > **Larger and Nylon Coated Spline O.D.**
- > **Metallic Seal Housing**



Mechanics® Conventional



Mechanics® Series ER and EC

C-TYPE/WING STYLE > Mechanics® C-Type U-Joints are available in wing-style, block-style and combination configurations. Many designs offer a patented “Interlock” feature and precision, close tolerance dust shields to keep out dirt, debris and contaminants, virtually eliminating the greatest cause of internal bearing wear. Our exclusive multi-lip seal retains lubrication, assuring balanced purge and lube of all bearings during lubrication.

MECHANICS® 15.5 C > GKN Rockford, the world’s leading manufacturer of heavy-duty driveline components developed the new, high-power mechanics® 15.5C driveshaft series for heavy-duty driveline applications in the off-highway sector, e.g. in mining. The 15.5C is an advanced development of the existing 15 C Series and features numerous design innovations that increase the torque capacity by 30 percent and the service life by roughly 35 percent. For the user, that means longer operating times and shorter downtimes.

SAE ROUND BEARING > Mechanics® offers a complete line of round bearing universal joints available in both maintenance free/permanently lubricated or fully relubeable configurations. These versatile, heavy-duty, off-highway u-joints are directly interchangeable with Spicer® Style Round Bearing. The 350R through 810R round bearing sizes are packed with extended life features. They are available in maintenance free/permanently lubricated or fully relubeable configurations.

SPLINE STUBS > Engineered and designed with unique heat-treated and material specifications for extended life in harsh environments and demanding applications.

Spline Stub Types:

Mid-Ship Stub Ends, Neck Stub Ends, Permanent Stub Ends

YOKES > Available in several different types, sizes and designs for Mechanics® C-type and round bearing u-joint applications. Contact us for specific round bearing yoke designs.

C-Type Yokes:

Brake, Coupling, End/Fitting, Flange, Slip Yoke Assemblies, Weld

SAE Round Bearing Yokes:

End/Fitting, Flange, Slip Yoke, Assemblies, Weld

ACCESSORIES > GKN Rockford has been exceeding drivetrain expectations in the off-highway market for over 50 years. Our wide range of genuine Mechanics® accessories ensures the highest level of performance and reliability for your demanding application. From stub components to sleeves, flanges and bearings to nuts, bolts and washers, GKN Rockford has the drivetrain component or accessory you need.

Available Accessories:

Bolts, Dust Cups, Hanger Bearings, Lock Nuts, Relief Valves, Seals, Slingers, Stuffing Caps, Vents, Washers



GKN LS 3 USA 0214 AK 1-05