



SUPERIOR AXLES THROUGH INNOVATION

SELF-STEER | FORCE-STEER | HEAVY-DUTY | OFF-HIGHWAY

FORCE-STEER AXLES

- › Inline King Pin (Model KGF)
- › For use on Steer Dollies, Trailers, and Mobile Equipment
- › 25,000 lb and 30,000 lb capacities
- › Axle is capable of steering up to 40° both directions
- › Internally greased 2^{1/2}" dia Kingpins
- › Can be equipped with a Hydraulic Cylinder, or Bracketry to connect customer designed drag link mechanisms
- › Optional Spindles, Brake Sizes and Track Widths
- › Optional Steering systems available (Manual or Automatic)
- › Assembly configurations to fit many suspensions
- › Track widths optional, and available up to 200+ inches
- › Available for both single and dual tire applications
- › Brake sizes available in:
 - 12^{1/4}" x 7^{1/2}" (Fits 17.5" wheels)
 - 15" x 8^{5/8}" (Fits 19.5" wheels)
 - 16^{1/2}" x 7" (Fits 22.5" wheels)
- › Disc brakes from all leading manufacturers
- › Various Tie Rod and Steer Arm locations
- › Optional Steer Lock

"At KGI we believe that reliability is the product of innovative engineering, attention to detail, and true dedication."



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SELF-STEER AXLES

- › Leading King Pin Self-Steer Axle (Model KGS)
- › Built in capacities ranging 25,000 lb to 30,000 lb
- › Assembly configurations to fit most suspensions
- › Track widths optional and available up to 200+ inches
- › Available in configurations suitable for both single and dual tire applications
- › Brake sizes available in:
 - 12¹/₄" x 7¹/₂" (Fits 17.5" wheels)
 - 15" x 8⁵/₈" (Fits 19.5" wheels)
 - 16¹/₂" x 7" (Fits 22.5" wheels)
 - 18" x 7" (For Off-Highway applications)
- › Disc brakes from all leading manufacturers
- › Spring shock and air damper system available
- › Steer angles adjustable up to 30°
- › Drop center beams available
- › Steer locks are air operated
- › KG Industries has manufactured leading king pin self-steer axles for over thirty years.
- › The design of the KGI axle is based on standard North American practices. This allows simple rebuild and common parts availability.
- › Spindle end and knuckle castings are machined in house from quenched and tempered alloy steel. The material selection and heat treatment process used provides the highest impact values in the industry.

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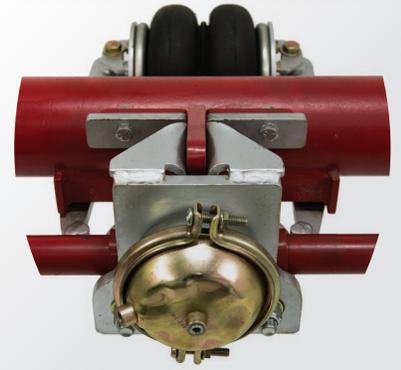
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OFF-HIGHWAY AXLES

- Off-highway axles are available from 30,000 lb up to 100,000 lb capacities
- Common uses are heavy haul off-road trailers, tankers, and mobile equipment
- Wheel hubs and studs are manufactured in house
- Axles up to 65,000 lb capacity use bolt circle (335mm) hubs
- Axles over 65,000 lb use specialized hub and wheel combinations
- The axles are equipped with the customers choice of brake sizes:
 - 16 ½" x 7" (Regular duty)
 - 18" x 7" (Heavy duty)
 - 20" x 8" (Extreme Heavy Duty)
- These axles are manufactured from special quenched and tempered alloy steel. This material and heat treatment provide very high impact properties in extreme cold weather.
- KGI Industries has a good supply of Off-Highway axle parts which include heavy duty bearings, hubs, studs, nuts and other components. KGI keeps good stock on replacement parts. Axles are available fully dressed.

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AIR BAG DAMPER SYSTEM

- > Available on Self-Steer model KGS-230 (25,000 lb rated)
- > Double convoluted air bag design
- > Adjustable dampening pressure with constant resistance
- > Configured to fit most suspensions
- > Superior wear properties
- > Friction components highly resistant to abrasion
- > Precision machined anchor bolts and bushing in pivot arms
- > Easy removal and installation of wear parts
- > Heavy duty air-operated steer lock mechanism

“We at KGI choose to focus on what makes us more competitive, more approachable, and more sustainable as an organization. We focus on our clients and their unique needs.”



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STANDARD TRAILER AXLES

Integral One Piece Beam

Common track lengths use the integral one piece beam. This eliminates friction welded joints which prevents the possibility of spindle-tube joint failure due to a bad weld.

Machining of the spindle on the one piece beam allows for better concentricity between spindles and beam, promoting better spindle-beam brake alignment. This ensures a more consistent centering of the brake drum relative to friction welded beams. The end result is increased brake shoe life as the shoe wears more evenly. The improved centering also helps insure brake shoes make even contact with the drum, helping minimize pushrod stroke by minimizing undesirable flex in the brake system.

Key spindle diameters are cylindrically ground with continuous feedback for accurate sizing of the bearing and seal diameters.

The total indicated runout (T.I.R.) between the inner and outer bearings is virtually zero, and the opposing spindles on a one piece beam are more concentrically aligned to each other, relative to friction welded beams.

- Model KG-250
- Various track lengths available
- 25,000 lb structural capacity
- 23,000 lbs brake rating
- Various brake sizes available including air disc calipers
- Options for Trunnion and specialty applications
- Available bare brakes and fully dressed

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