

Precision • Strength • Quality



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#MK06BR1302



AXLE & GEAR



Performance Ring & Pinions

G2's line of Performance Series ring and pinions are engineered and manufactured to handle the increased loads of today's performance vehicles. They are forged from 8620 steel to set a strong foundation, then precision-machined to OE specifications using the latest manufacturing techniques and state-of-the-art equipment. These tight tolerances ensure that they will be easy to set up and keep the noise level at OE specs.

Next, the gears are heat treated for added durability to endure the harsh environments of a daily-driven vehicle. Finally, they are lapped to give the mating surface a smooth finish to reduce friction that can lead to noise and excessive wear.

- Forged 8620 Steel
- Precision-machined for exact fit
- OE tolerances
- Heat-treated for added durability
- Lapped for smooth and quiet operation

OE Ring & Pinions

G2 also offers a line of OE gears that are an exact match to the factory gears found at dealerships. These gears are a great option for installers who work with dealerships and fleet services. They are a direct fit and manufactured to OE specs, but lack some of the ratio options available in the Performance Series gear line.



Installation Kits

G2's premium master installation kits come complete with everything you need to properly set up your ring and pinion gear set. They include Timken bearings, ring gear bolts, shims to set pinion and carrier bearing preloads, pinion seal and pinion nut. All kits are packaged with the appropriate quality components to ensure a proper set up.

For low mileage vehicles, G2 also offers installation kits that have all the same components as the master kits, sans the bearings. This is an economically priced kit that allows you to reuse your existing bearings.

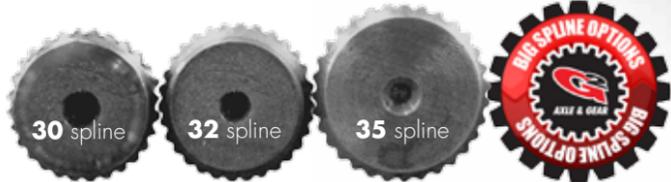


Heavy Duty Axles

G2 Axle & Gear has a full line of heavy duty upgrade and replacement axles for truck and domestic car applications: Chromoly, Placer Gold and more.

Many axles kits are also available with BIG SPLINE options, which allows you to take advantage of a larger diameter axle shaft for even more strength.

By going with a larger diameter shaft, you increase the torsional load that the axle can handle, preventing failure.



Placer Gold Front & Rear Axles

G2 now offers the Placer Gold front and rear axles – an even stronger option for the Jeep JK – that are engineered to withstand the most extreme environments. Forged from 4340 (front) and 4140 (rear) chromoly, these axles are heat treated with computer-controlled methods, which results in 25% deeper surface penetration over stock. This allows them to withstand the loads produced by larger tires and low gear ratios. The gold zinc plating aids in added corrosion resistance.

The front axles feature the larger yoke that accepts the 1350-style U-joint found in Rubicon models. Shafts are tapered to maximize torsional strength and reduce stress risers. They come fully assembled with Dana Spicer U-joints and full circle clips. For the Dana 44 model, they come in 1.5" diameter 35 spline for even more strength (aftermarket locker required).

Rear axles feature multiple diameters – ranging from 1.31" 30 spline to 1.365" 32 spline and 1.5" 35 spline – and are drilled with dual bolt patterns to accept 5-on-5" and 5-on-5.5" wheels. Rear axle kits include Timken wheel bearings seals and screw-in wheel studs. (35 spline aftermarket locker is required to accept the 35 spline axles.)



Birfield Front Axles

Anyone that is familiar with solid axle Toyotas knows that the factory Birfield joint is the weak link in their drive train.

G2 is proud to offer heavy duty Birfield constant velocity axles that address that weakness. Forged from high strength 4340 chromoly, these axles are heat treated for maximum torsional strength, feature a stronger spur gear and are designed to handle the added load resulting from oversized tires and locking differentials. They are available with the stock 27 spline or 30 Big Spline option.



High Strength Axles

G2 offers a full line of high strength front and rear axles manufactured to exceed the strength of factory parts, while staying price conscious.

High quality forged **FRONT AXLES** for Dana 30, 44, 60 and GM 10 Bolt applications are designed to replace your stock axle shaft and handle the added torque of today's performance applications. They are induction heat-treated for additional torsional strength without compromising flex and precision-machined to OE specification. The black oxide finish adds increased corrosion resistance.

Front Axles:

- Forged from 4340 chromoly for increased strength with added material to critical areas for superior durability
- Recessed yoke for increased turning radius and machined ear for full circle clip
- Big Spline options for some applications
- Machined for full circle clip
- Pre-assembled and ready to install

G2 **REAR AXLES** are forged from 4140 chromoly or 1541H to exceed the carrying loads compared to the factory 1050 steel. These materials, coupled with state-of-the-art manufacturing and heat treating processes, increases the torsional strength and durability of our axles. This way you can be assured that all the horsepower and torque will make it to the ground and not cause an axle failure.

Rear Axles:

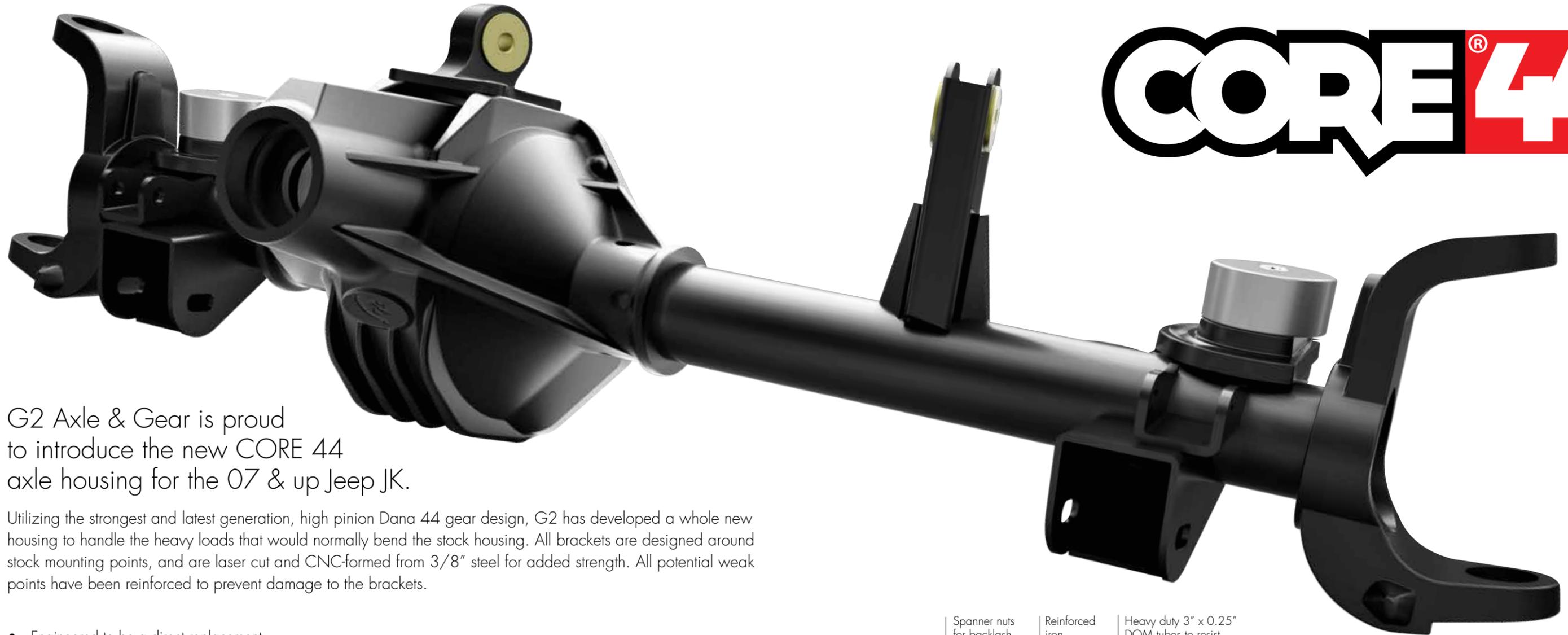
- Forged from 1541 or 4140 alloy steel for up to 20% increase in strength
- Rolled splines provide up to 40% increase in strength over cut splines
- Increased surface hardness for increased bearing life
- Precision ground bearing surfaces

Dana 44 Axle Kits

G2 offers many axles in kit form to allow easy ordering and to make sure you receive all necessary items. Depending on the application, kit includes axles, axle bearings, seals, u-joints, clips and any other necessary items.



CORE 44[®]



G2 Axle & Gear is proud to introduce the new CORE 44 axle housing for the 07 & up Jeep JK.

Utilizing the strongest and latest generation, high pinion Dana 44 gear design, G2 has developed a whole new housing to handle the heavy loads that would normally bend the stock housing. All brackets are designed around stock mounting points, and are laser cut and CNC-formed from 3/8" steel for added strength. All potential weak points have been reinforced to prevent damage to the brackets.

- Engineered to be a direct replacement for the stock Dana 30 or Dana 44, and will accept stock Dana 44 ring and pinions, stock Dana 44 axle shafts, and aftermarket lockers.
- Compatible with factory JK Tru-Lok[®] locker or conventional aftermarket lockers
- Housing features G-lock[®] adjustable spanner nut design to set back lash and carrier bearing preload
- Designed to prevent hanging up on rocks
- Integrated skid plates on lower control arm mounts



Heat-treated aluminum diff cover

Cooling fins to help dissipate heat



UV-stable black powdercoat finish

Heavy duty forged bearing caps

High pinion JK ring and pinion

Spanner nuts for backlash adjustment

Reinforced iron housing

Heavy duty 3" x 0.25" DOM tubes to resist bending



Massive forged inner c-end to prevent bending and maintain camber under heavy loads

Heavy-duty 1/4" laser cut brackets designed around factory mounting points

Reinforcing ribs for added strength and protection



Complete Assemblies

G2 makes upgrading your drivetrain a breeze by offering front and rear Model 44 and RockJock 60s for most popular Jeep® applications. All axles are hand assembled and built to order with your choice of gear ratio and top quality differential from ARB, Eaton, Auburn or OX.

44 Assemblies accept stock brakes. Also available with Disc Brake option for improved braking.



44 Assemblies

44 axle assemblies allow the use of existing knuckles and brakes. Available in many ratios and locker combinations. Disc brake upgrade available.

TJ/LJ/XJ Front Assembly:

- Available with leading locker brands
- Accepts factory knuckles and brakes
- Reinforced yoke to prevent deflection
- Heavy duty chromoly axles
- Factory mounting points for direct installation

TJ/LJ Rear Assembly:

- Heavy duty chromoly
- Press-on bearing – no C-clips
- Available with leading locker brands
- Assembled with 625 premium ring and pinion
- Dual bolt pattern that accepts 5-on-4.5 and 5-on-5.5
- Factory mounting points for direct installation



60 Assemblies

G2 offers high pinion 60 axle assemblies featuring RockJock housings. These assemblies are designed with the hardcore wheeler/rock crawler in mind. Built-to-order packages include the complete housing: the new RockJock III ductile iron center (highest ground clearance 60 on the market); AR400 heat-treated skid plate allowing the axle to slide over rocks easily; 3" D.O.M. steel tubes; 1350 pinion yoke (1310/1330 optional); and all new heavy duty Currie Jeep suspension brackets. These housings are hand-assembled by expert drivetrain specialists using high quality G2 axle shafts, G2 Premium ring and pinion gears, Timken bearings and the locker of your choice.



Differential Covers

G2 offers aluminum differential covers that are manufactured from heat-treated aluminum and are designed to dissipate heat while withstanding the rigors of the off-road environment. These covers not only cool your oil, they are designed and tested to add rigidity to your housing and protect the ring and pinion from damage.



Available in natural aluminum or black powder coat finish.

Hammer Covers

G2 aluminum differential covers are designed to protect your ring and pinion from impact, as well as help cool your gear oil for prolonged bearing life. Made from high strength, heat-treated aluminum to withstand direct hits, these covers help protect your investment while adding a distinct look to your vehicle.



Available in natural aluminum or black powder coat finish.

Torque Covers with Load Bolt

Cast from lightweight 356-T6 aluminum with super strong web-reinforced design, the cover also functions as a girdle for the differential thanks to load bolts. By reducing the amount of flex while under load, the bolts significantly reduce bearing wear and chipped teeth on the ring and pinion. The cover is also equipped with a dip stick and magnetic drain plug for easy service.



NEW! Brute Covers

G2 is proud to introduce the new Brute heat-treated aluminum differential cover. These covers are engineered with internal and external cooling fins to help dissipate the heat from your oil and protect your ring and pinion. They also incorporate a magnetic dip stick and drain plug (featuring a very powerful rare earth magnet) that draws metal particles and helps filter the oil.

Billet Wheel Spacers

G2 is proud to introduce wheel spacers and adapters for those looking to increase the track width or run wider tires for more stability when off-roading with a Jeep.

- CNC-machined T6061 aluminum alloy
- Corrosion-resistant black anodized finish
- Pre-installed Grade 8 studs (depending on application)
- Sold in pairs

