Beam Axles
Flexibility for a Full Range of Light-Vehicle Applications

Dana’s extensive line of beam axles offers improved efficiency and gear power density in sport utility vehicles, pickups, and light-commercial vehicles.

Dana’s beam-style axles are lightweight for improved fuel economy and ride, and reduce noise, vibration, and harshness (NVH) in rear-wheel and all-wheel-drive vehicles. Axle styles include banjo and Salisbury designs, which can be tailored to each customer’s unique specifications.

Design Features
- Advanced hypoid gear technology uses smaller offsets
- Increased contact ratios
- Large bore bearings
- Differential options include open, limited slip, and locking differentials using net-formed gears
- Full-float steer drives, semi-float, and full-float rears
- Application range extending up to 19,000 N·m is suitable for the global pickup, large sport utility vehicle, and light-commercial vehicle markets
- Industry first – Lightweight aluminum center section options for higher capacity applications

Benefits
- Improved gear power density for smaller axles
- Lightweight designs for improved fuel economy, ride, and increased payload
- Improved strength and gear durability for longer life
- Improved efficiency
- Lower NVH