

HEAVY-DUTY DYNATRAC **Pro**ROCK44™ FRONT-AXLE



The ideal front-axle upgrade for Jeep J8/Wrangler, Land Rover Defender and Toyota LC76 and LC79 based vehicles, the Dynatrac ProRock 44™ is a bolt-in solution that uses 100-percent COTS service parts. Dynatrac drivetrain solutions are engineered to protect against field failures that could immobilize a vehicle, making it a target for hostility.

- Eliminates common failure points in original axle
- More than doubles overall axle rigidity and strength
- Increased GVWR to accommodate additional gear and armor
- Patented Dynatrac ProRock® design increases ground clearance
- Reduces front-impact area for higher mobility
- Combat-proven drivetrain solutions
- Reduced sustainment costs over the life of your defense program
- Dynatrac products are Made in the USA

SPECIFICATIONS

- **Axle Tube Diameter:** 3 in. (77 mm) (20% larger than factory)
- **Axle Tube Wall Thickness:** 0.50 in. (13 mm) (63% thicker than factory)
- **Bending Strength:** 100% improvement compared to factory
- **Added Ground Clearance:** 0.43 in. (11 mm)
- **Reduced Front Obstacle Impact Surface:** 30%
- **Ring Gear Diameter:** 8.5 in. (216 mm)
- **Axleshaft Diameter:** 1.31 in. (33 mm)



APPLICATIONS

- Jeep J8 and Wrangler
- Land Rover Defender and commercial variants
- Toyota LC76 and LC79



ADDITIONAL INFORMATION

- The ProRock 44 end forging is made from US steel and is much stronger than stock – a critical upgrade for larger tires and heavy armored vehicle weights
- ProRock 44 end forging maintain proper wheel camber even under severe use
- The ProRock 44 readily accepts off-the-shelf gears, shafts, wheel ends, brakes and other internal parts for low program sustainment costs
- It is equipped with heavy-duty cast, helical coil seats, and high-durability sway-bar tabs
- The ProRock 44 is equipped with patented and rebuildable Dynatrac Heavy-Duty ball joint assemblies
- The ProRock 44 includes an impact-resistant nodular-iron differential cover

DYNATRAC® IS A FULL-SERVICE SOLUTIONS SUPPLIER

MILITARY EXPERIENCE

- Combat-proven drivetrain solutions
- 17 customers in the U.S. and abroad
- Dynatrac drivetrain solutions are in use in 22 different military vehicles deployed globally

ENGINEERING

- In-house, professional, system-level integration to component-level design
- Complete SME on drivetrain, suspension, vehicle dynamics, foundation brakes
- Maximize value and reduce cost with extensive leverage of COTS components
- Optimization of cost, weight, durability and performance
- Foundation brake program development that is cost-effective to deploy, uses COTS service parts and provides braking performance specifically engineered for combat vehicles

PRODUCTION

- All U.S. made castings, forgings and materials
- In-house machining, fabrication and assembly
- Scalable production rates from 1 to 1,000 units





TRAINING

- Drivetrain sustainment and reset processes
- Vehicle operations
- Off-road mobility and vehicle preservation skills

DYNATRAC VEHICLE-SPECIFIC DRIVETRAIN SOLUTIONS

- Custom designs that meet unique mission and packaging requirements
- Dynatrac serves vehicle requirements from 5K lbs. (2,270 kg) to 25K lbs. (11,340kg)
- Demanding vehicle packaging for internal air transport (CH/MH-47, V-22)
- Direct-fit and plug-in solutions for existing platforms
- Jeep JK and J8
- Land Rover Defender
- Toyota HiLux; Tacoma; Land Cruiser 76, 79 and 200
- Ford F-550, domestic and foreign vehicles
- Purpose-built vehicles

DYNATRAC DRIVETRAIN SOLUTIONS

	Dynatrac Axle	Front/Rear	Independent/ Beam
	ProRock 60-IFS/IRS™	Front and Rear	Independent
	ProRock XD60-IFS/IRS™	Front and Rear	Independent
	ProRock 80-IFS/IRS™	Front and Rear	Independent
	ProRock XD60™	Front and Rear	Beam
	ProRock 80®	Front and Rear	Beam
	ProRock 44™	Front	Beam

