

ULTIMATE ENGINEERING FOR WORKING VEHICLES

Engineered in-house to be the strongest, most durable steering and suspension parts, TTX delivers extreme performance.

- 12 patented technologies setting TTX apart
- Exclusive designs and LaborSaver advantages
- Built to address failure modes often experienced in high-usage commercial vehicles



PATENTED BEARING TECHNOLOGIES

TTX parts are engineered with patented self-lubricating greaseable sintered metal bearings, made from a proprietary formulation which offers increased density and strength. Self-lubrication allows oils to be absorbed and released for continuous low-friction and low-wear operation.

DYNAMIC CONTROL BEARING US Patent N° 9296271

DIRECTIONAL BEARING TECHNOLOGYUS Patent N° 1052789

SNAP-IN BEARING
US Patent N° 10605309

PATENTED BOOT TECHNOLOGIES

TTX parts feature robust, patented dust boot designs for ultimate protection against water, debris and other road wash. Application-specific analysis allows for the right boot selection, ensuring longer part service life.

TTX LOCKING BOOT

US Patent N° 9296271

Advanced method bonds housing to boot to create a tight seal.



TTX INTEGRI-BOOT®

Boot is adhered to a plate and integrated into lamination, preventing contaminants from entering.



TTX ADAPTIVE BOOT

US Patent Pending

Multi-lipped design diverts contaminants from the ball pin and knuckle mating area.



STRONGER PARTS: TTX parts are built for durability and ease of installation

- Thicker and wider ball joint housing flanges improve strength and provide a larger working surface for press-in.
- Patented hex forging increases rigidity by 15-20% and provides a convenient wrench flat.
- Where applicable, control arms are converted to a solid forging, compared to the original equipment stamped steel design.
- · Improved bushing profiles reduce potential of tearing and cracking.





REPEL-TEK[™]: Superior Anti-Corrosion Protection

Formula protects the entire assembly and fastening hardware against rust and contamination. Exceeds over 500 hours of salt spray testing.



SOLID FORGINGS

Where applicable, TTX control arms are built with upgraded, solid forged bodies and filled-in bushing profiles, providing additional assembly rigidity and increasing component life.







ENGINEERED FOR THE TECHNICIAN

Exclusive LaborSaver[™] advantages help speed-up install, provide enhanced value and maximize vehicle uptime.



INSTALLATION PRESS-IN ADAPTORS

Where applicable, custom designed pressin adaptors are included in the box. These reduce repair time, cost and the need to search for an adaptor. Compatible with all common press-in kits.



INSTALLATION TOOLS FOR RAM 4500 & 5500

Installing upper and lower ball joints for the RAM 4500 & 5500 is easy and precise with TTX.

Socket is included to remove original and install TTX upper, and a press-in adaptor overcomes challenges of lower bore with stepped design.



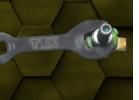
BOOTSTALLER™

Bootstaller[™] makes fitting boots troublefree in small spaces



STABILIZER BAR LINK WRENCH

Slim profile, open-ended multi-sized wrench eliminates need to search for a counter-hold tool. Included in the box with TTX ball and socket stabilizer bar links



PREMIUM FASTENING HARDWARE

Premium fastening hardware in the box reduces install time and provides added value. Hardware is Repel-Tek^{**} anti-corrosion coated for longer life.

TTX also features unique hardware such as:

- Easy-Snap cotter pin and castle nut
- Quick-loader plate
- · SAE-compliant grease fittings with protective cap
- Grade 12 and 12.9 rated fasteners
- · Fasteners with pre-applied thread locking compound

