ULTRASTEER

HANDLING LUXURY WITH PRECISION
Introducing UltraSteer—the first line of tag axles that are fully-integrated and precision-tuned to react to turns and maneuvers of the coach—establishing a new standard for premium RV ride and handling. From safety and comfort to reduced tire wear and lower maintenance, this is the driving experience customers want. And it’s only from Freightliner Custom Chassis.

**HERITAGE OF ENGINEERING EXCELLENCE**

Part of the Daimler Family, Freightliner Custom Chassis shares the heritage and engineering excellence of Freightliner’s Mercedes-Benz — leveraging expertise in heavy-duty durability and precision performance to bring the RV industry the best of all worlds. UltraSteer is a great testament to that legacy.

**DELIVERING A BETTER DRIVING EXPERIENCE**

More than an ordinary tag axle, UltraSteer follows the ideal turning path of the front suspension, improving ride and handling and saving tires from wear. By auto-locking at 50 mph and in reverse, UltraSteer provides full control and precise maneuvering in all conditions. Optimized rubber bushings increase suspension life and are maintenance-free, and the QuickAlign feature allows for easy alignments.

**17% REDUCTION IN CURT-TO-CURT TURMINAL RADIUS**

- Up to 17%** reduction in curb-to-curb turning radius
- Improved handling and safety in tight turns and lane-change maneuvers
- Auto-Locks to straight @ 20mph and in reverse for complete control
- Flexible coach packaging for increased storage options
- QuickAlign and optimized rubber bushings increase suspension life and reduce maintenance
- Compatible with disc and drum brakes

**IMPROVED TURMINAL RADIUS**

- In contrast to rear mounted tie rods that can still cause tire scrub, the UltraSteer’s forward-mounted tie rods and correct steering geometry enable the inside wheel to have a 12° turning angle and follow the ideal turning path—eliminating tire scrub

**INCREASED MANEUVERABILITY**

- Up to 17%** reduction in curb-to-curb turning radius as compared to an ordinary fixed tag axle—140% improvement over the competition
- 20% tighter turning angle than the nearest competitor

**IMPROVED RIDE & HANDLING**

- Unlike with inboard-mounted shockers, UltraSteer’s outboard-mounted design is more reactive to roll input, which improves handling in turns and maneuvers such as sudden lane changes
- Wide track suspension arms provide increased lateral stiffness over narrow track suspension arms, improving handling and safety (© Daimler)

**TIRE SAVINGS**

When used with AXS, a 15% tire suspension and compared to a conventional coach on a fixed tag, UltraSteer delivers up to 15% reduction in curb-to-curb turning radius—the highest rate in the industry.
Introducing UltraSteer— the first line of tag axles that are fully-integrated and precision-tuned to react to turns and maneuvers of the coach—establishing a new standard for premium RV ride and handling. From safety and comfort to reduced tire wear and lower maintenance, this is the driving experience customers want. And it’s only from Freightliner Custom Chassis.

**HERITAGE OF ENGINEERING EXCELLENCE**

Part of the Daimler Family, Freightliner Custom Chassis embraces the heritage and engineering excellence of Freightliner’s Mercedes-Benz — leveraging expertise in heavy-duty durability and precision performance to bring the RV industry the best of both worlds. UltraSteer is a great testament to that legacy.

**DELIVERING A BETTER DRIVING EXPERIENCE**

More than an ordinary tag axle, UltraSteer follows the ideal centering path of the front suspension, improving ride and handling and saving tire wear. By fully blocking at 20 mph and in reverse, UltraSteer provides full control and precision maneuvering in all conditions. Optimized rubber bushings increase suspension life and maintenance-free, and the QuickAlign feature allows for easy alignments.

- Up to 17% reduction in curb-to-curb turning radius
- Improved handling and safety in tight turns and lane-change maneuvers
- Auto-Locks to straight @ 20 mph and in reverse for complete control
- Flexible coach packaging for increased storage options
- QuickAlign and optimized rubber bushings increase suspension life and reduce maintenance
- Compatible with disc and drum brakes

**WIDE TRACK SUSPENSION ARMS**

By providing increased tire clearance over the competitor’s narrow tag suspension arm, UltraSteer delivers improved handling and safety in sudden maneuvers.

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<td>RIDE QUALITY</td>
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<td>COACH PACKAGING</td>
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**OUTBOARD-MOUNTED SHOCKS**

UltraSteer’s outboard-mounted design is more effective to feel, easier to adjust, and reduces wear over the competitor’s inboard mounted shocks.

**STERING GEOMETRY**

Four wheels on the tag axle and four wheels on the front axles create a steering path of the coach, resulting in a 17% reduction in curb-to-curb turning radius — 100% improvement over the competitor.

Driven By You