

# GET TO KNOW NAKATA INNER TIE RODS

The inner tie rod, or rack end, connects the steering rack to the outer tie rod end. It is a long threaded shaft with a ball and socket at one end which is protected by a bellow boot. It transmits the steering force from the rack and pinion to the rest of the steering linkage.

## ADVANTAGES OF NAKATA INNER TIE RODS

**Robust Construction:** Nakata inner tie rods are made from high-strength, heat-treated steel to withstand significant bending and tension forces.

**Superior Joint Design:** The ball and socket joint is engineered for durability and smooth operation, with a high-quality lubricant.

**Precision Threads:** The threads are precisely cut to ensure a secure fit with the steering rack and outer tie rod which is crucial for proper alignment.



## BENEFITS

**Stable and Predictable Steering:** The inner tie rod ensures that steering input is transmitted smoothly and without any hesitation or play, providing a stable and predictable driving experience.

**Helps Prevent Premature Outer Tie Rod Failure:** A worn inner tie rod can cause excessive movement and stress on the outer tie rod, leading to its premature failure. Replacing both with quality Nakata parts ensures the longevity of the entire steering system.

**Improved Alignment Stability:** Since the inner tie rod is a key part of the alignment mechanism, a sturdy well-made one helps maintain the alignment settings over time.

**Long-Term Reliability:** The inner tie rod is a more involved component to replace. Opting for a high-quality part from the start means less frequent and costly repairs in the future, providing excellent value for money.

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