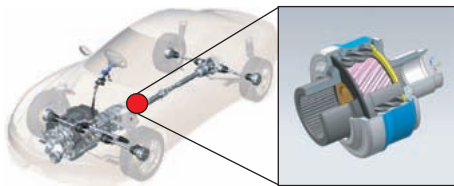


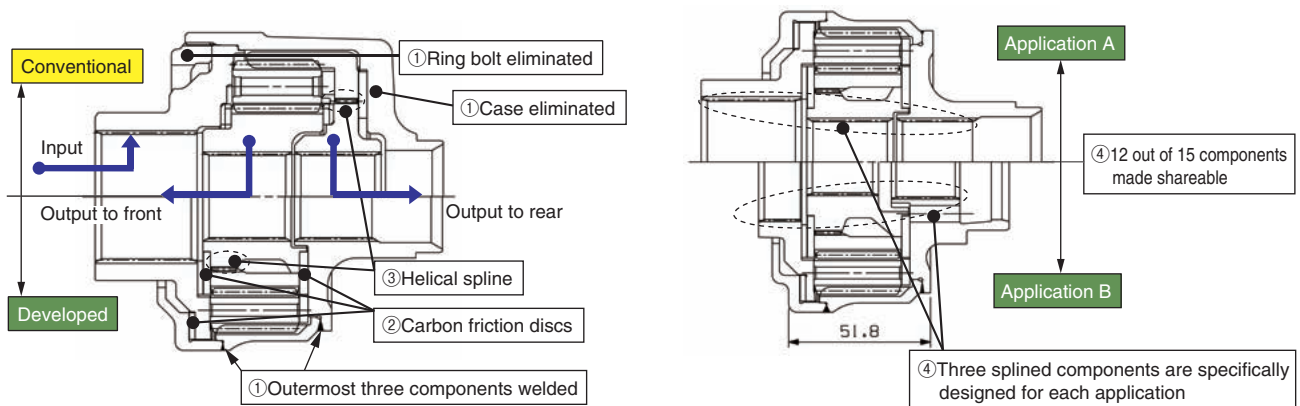
# TORSEN Type Csm



This is an introduction of the new generation TORSEN Type Csm (sm: smart module) developed based on our current TORSEN Type C, a limited slip differential (LSD) used as a center differential in All Wheel Drive vehicles. We have achieved a compact and lightweight design for this product by eliminating the outer case, and have adopted a modular design for core components to facilitate the efficient development and productivity of new applications.

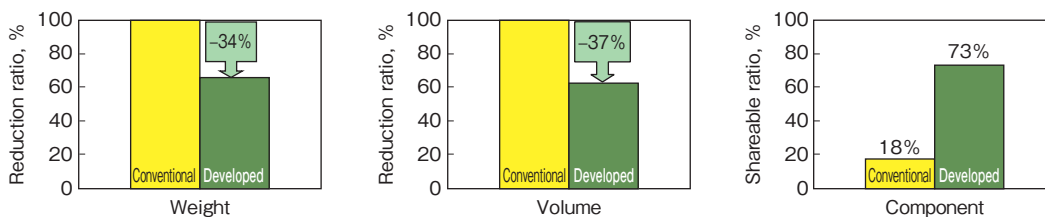
## Features

- ① Elimination of case and ring bolt, and welding of the outermost three rear output components by short wavelength laser.
- ② Newly adopted carbon material for main friction discs for better friction characteristic and high load capacity.
- ③ Helical spline for additional thrust force moved to the sun gear side to improve the adjustability of the front wheel torque distribution range.
- ④ Core components such as gears and friction discs have been made shareable, excluding the input and output splined components specific to each application.



## Improved product competitiveness

- 34% weight reduction, 37% volume reduction
- Improved NVH (noise) durability
- Dramatically increased ratio of shareable components
- Enables efficient development and productivity of new applications



\* TORSEN is a registered trademark of JTEKT Corporation.