

# STEERING COLUMNS & INTERMEDIATE SHAFTS

Improves vehicle safety ratings; enhances driver safety, comfort & convenience

## Choose Nexteer Steering Columns & Intermediate Shafts (CIS) for:

- Occupant protection, **superior safety**
- Customized, **flexible solutions at a value**
- **Seamless vehicle integration**
- Reduced mass, **fuel efficiency**
- Greater **performance & passenger comfort**
- **Proven, experienced** engineering team

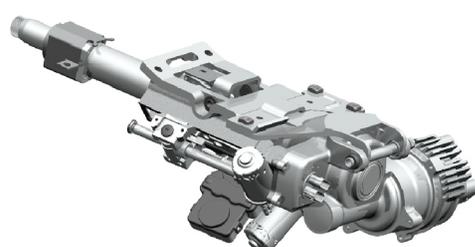


## CIS SOLUTIONS FOR EVERY VEHICLE PLATFORM

Nexteer offers a wide CIS product portfolio to fit the advanced safety, performance and convenience needs of small cars, SUVs and trucks.

Our advanced energy absorption systems help improve vehicle safety ratings and include our active systems that automatically compensate for the position of the driver for optimum protection.

- Manual Adjustable Steering Columns
- Power Adjustable Steering Columns
- Stowable Steering Columns
- Crashworthiness – Adaptive Energy-Absorbing Technology
- Integrated Electronics and Sensors
- Security and Transmission Controls
- Wide Intermediate Shaft Portfolio



Stowable Steer-by-Wire Steering Column



Adaptive Energy Absorption on Manual Adjustable Steering Columns



Aluminum Intermediate Shaft

## SOLVING CHALLENGES ACROSS INDUSTRY MEGATRENDS

### ELECTRIFICATION

Nexteer's CIS technologies offer reduced mass and packaging flexibility for electric vehicles (EVs). For example, most EVs are designed with the battery central and low in the vehicle. That's why Nexteer offers an innovative, flexible I-Shaft to address unique packaging needs.

### ADAS/AUTOMATED DRIVING

Our Stowable Steering Column retracts when hands-off driving is engaged – increasing available space for driver comfort and other activities. Beyond hands-off driving, stowable columns can transform any stationary vehicle into a "third living or work space" in addition to a person's home or office space.

### SOFTWARE

Software influences our column technologies, such as memory recall for power column position and electric steering column locks for intelligent anti-theft systems. In the future, we foresee sensors detecting when a column is stowed or un-stowed from the instrument panel.

Oct. 2020

Visit [Nexteer.com/columns-intermediate-shafts](https://www.nexteer.com/columns-intermediate-shafts) for more details.

