



HIGH MOUNT DIRECT DRIVE Steer-by-Wire Hand-Wheel Actuator



Unlocking design freedom for software-defined vehicle interiors.

Nexteer's High Mount Direct Drive Steer-by-Wire Hand-Wheel Actuator (HMDD) gives OEMs more freedom to create next-generation vehicle interiors and driver experiences—while enhancing steering feel, safety and packaging flexibility.

With direct-drive responsiveness, high-mount packaging and a stationary hub, HMDD enables realistic feedback, next-generation airbag integration and more flexible steering placement.

The Breakthrough

Direct Drive Architecture: Reduces mechanical complexity while delivering premium steering feel and feedback

High-Mount Motor Position: Expands packaging freedom and gives OEMs greater flexibility in vehicle architecture

Stationary Steering Hub: Enables next-generation airbag integration, distinctive driver display and control options, creating new possibilities for safety, comfort and user experience

Maintaining What Matters



Realistic Feedback

Confidence-building steering feel with precise, responsive feedback



Safety

Crash optimization + next-gen airbag options, independent of traditional column packaging



Packaging Modularity

Freedom in placement + stowability + modular integration



Built for Today's Vehicles. Designed for What's Next.

HMDD is designed to meet OEMs where they are – and where they're headed. HMDD is available with optional steering column installation for today's familiar architectures while also being ready for expanded interior design freedom and innovative cockpits of the future.



1995
Standard EPS



TODAY
Steer-by-Wire



FUTURE-READY DESIGN
Nexteer's HMDD

HMDD available with optional steering column installation

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Nexteer: Your Motion Control Partner with Safety-Critical Expertise

- **Global in-house software ownership:** Software design, development, testing and validation adheres to stringent levels of quality and compliance with customer specifications, industry protocols and regulations
- **Proven industry leadership:** Nexteer has produced 120+ million EPS systems, as well as award-winning SbW systems, that include levels of software and cybersecurity that meet OEM requirements
- **Fast and flexible product development:** Strong collaboration with OEMs from the start of requirements to the end of the vehicle lifecycle support the accelerated development and integration of hardware and software

Partner with Nexteer to unlock the full potential of Steer-by-Wire and software-defined vehicle architectures.



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