Nextrusion™
Hollow Shaft Technologies
Lighter, stronger hollow shaft innovations

Dana’s Nextrusion™ hollow shaft technologies feature a lightweight tubular design, an optimized cross-section that maximizes strength-to-weight ratio, and superior tuning that delivers both dynamic performance and strength.
Nextrusion™ Hollow Shaft Technologies

More strength. Less weight.
With decades of metal forming expertise, our tubular products offer a thicker wall for highly stressed areas such as splined and friction-welded areas, reduced wall thickness for low-stressed areas, and various internal and external shapes and splines. Our hollow shaft innovations help OEMs improve fuel economy while enhancing driving performance.

Next-generation cold extrusion for hollow shafts
Nextrusion™ hollow shaft technologies are known for their light tubular design, optimized cross-section, and superior tuning for stiffness and weight. The Nextrusion cold extrusion process delivers a variable wall tubing with superior strength where it is needed, along with considerable weight savings (up to 35%) when compared to traditional manufacturing options. Engineered through the Nextrusion cold extrusion process, Dana technologies help customers solve specific challenges by offering tubular products with various external and internal shapes.

Multiple Outside Diameters

Variable Wall Thickness

Multiple Outside Diameters and Variable Wall Thickness

Internal or External Shapes and Splines

Tubular designs for various needs:
- Full-float hollow rear axle shafts
- Semi-float hollow rear axle shafts
- Hollow front axle shafts
- Hollow intermediate driveshafts
- Hollow half-shafts
- Hollow transmission shafts
- Hollow driveshafts
- Propshafts

Learn more today about our breakthrough Nextrusion™ hollow shaft technologies at http://www.dana.com/light-vehicle/products/driveline/axles/hollow-shafts