

# Designs in Ductile Iron

**Cost  
Saving  
Design  
Ideas**



- CASTING APPLICATION SPECIFICATION** Lower Control Arm  
Vehicle Suspension  
Austempered Ductile Iron Grade 1
- REDESIGN** Replaces four stamped parts that were welded together
- COST SAVINGS** Weight reduction of 5lbs per part, two parts per vehicle  
Tooling savings of \$1.5 million over five years
- DESIGN ADVANTAGES** Redesign as a ductile iron casting eliminated bushings & stress problems and optimized design
- SIZE & WEIGHT** 23 X 16 X 6 in, 34 lbs
- COMPANY** DaimlerChrysler
- FOUNDRY** Citation—Texas Foundries, Lufkin, TX