

# OEM GEAR MANUFACTURING

**INDUSTRY**  
OEM Gear Mfg.

**PRODUCT**  
Drive Gear

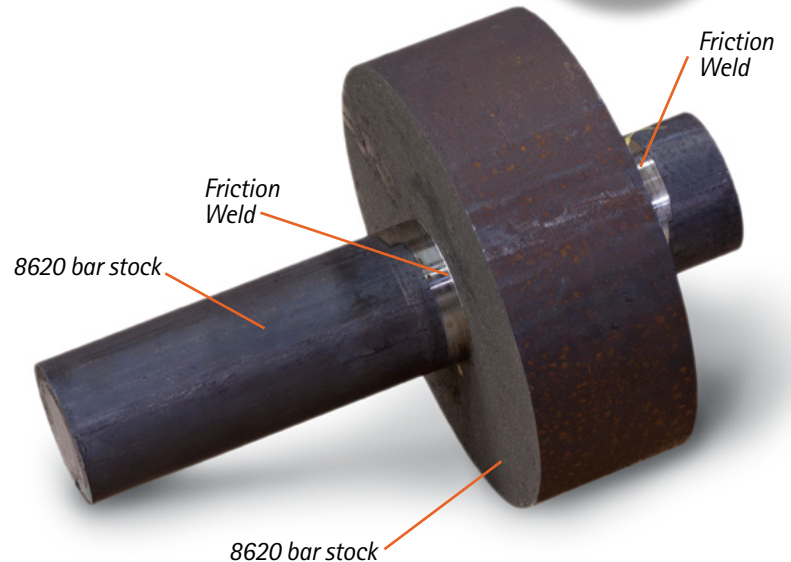
**APPLICATION**  
Commercial HVAC



**CHALLENGE:** A leading gear manufacturer needed an alternative to extensive lead times on forged gear blanks. The alternative needed to equal the strength and performance of forged product.

**SOLUTION:** American Friction Welding, Inc. helped the customer make this part by joining three pieces of 8620 bearing grade rolled steel.

- **Center Gear Blanks** are cut from 13" bar stock
- **Two Drive Shafts** are cut from 3.5" bar stock
- **By joining these two stock sizes to near-net-shape,** cutting of waste is eliminated
- **The non-porous, grain-refined joint produced the necessary strength to meet the performance test on the part**
- **Lead times were reduced to four weeks or less and OEM throughput was greatly enhanced**



**CONCLUSION:** American Friction Welding application specialists work closely with you throughout your project. Design engineering assistance, process analysis and testing gives you the ultimate cost solutions. Add comprehensive post-production KanBan inventory and logistical support services and you're surrounded with The Friction Welding Advantage from AFW!

**Contact us today to discuss your application in confidence and save with our unique capabilities!**



115 North Janacek Road; Brookfield, WI 53045

PH (262) 797-8840 • FX (262) 797-9932

EMAIL [sales@teamafw.com](mailto:sales@teamafw.com)

**AmericanFrictionWelding.com | 877 845-7927**