

# TOOLS FOR INDUSTRIAL ASSEMBLY

**INDUSTRY**  
Railroad

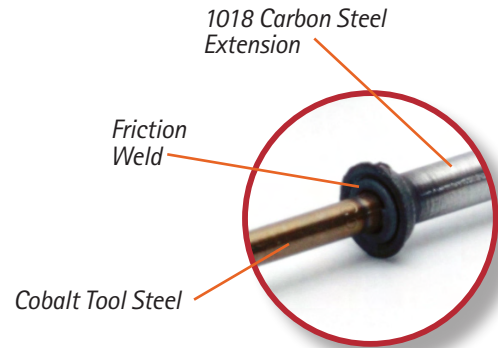
**PRODUCT**  
Cobalt Drill Bits

**APPLICATION**  
Hand Assembly Work

**CHALLENGE:** A rail industry customer used extended drill bits in hand-assembly work to enable workers to reach beyond structural members to attach materials. The cobalt drill bits and taps were expensive, yet frequently broke in use. Factory management wanted to reduce this consumable expense and the resulting downtime.

**SOLUTION:** American Friction Welding, Inc. proposed a bi-metal extended bit that improves productivity and reduces material costs by joining a 1018 carbon steel extension shaft onto cobalt steel drill bits and taps.

- Stronger than full-length cobalt tool steel bits
- Less likely to snap under tension at varying work angles
- Material cost lowered by reducing cobalt steel by 66%
- Increased worker productivity with less down time



**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!**



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