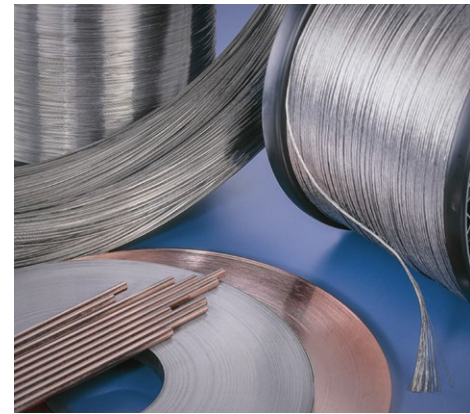




CUSTOMER STORIES

DEVELOPING HIGH-PERFORMANCE BITS FOR DRILLING THROUGH CONCRETE REQUIRES UNCOMPROMISING STRENGTH AND TEMPERATURE TOLERANCES



To serve industrial and professional contractor markets, drill-bit OEMs need functional materials that will stand the test—and last a long time

CHALLENGE

Concrete is dense, hard, and often filled with aggregates that chew up ordinary alloys. To serve drill-bit OEMs who sell to professional contractors and industrial applications, excellent value and longevity of product performance are key considerations.

SOLUTION

Our patented ISA-BRAZE® product (available in a variety of formats including spooled wire, rods, rings and punched parts) is a tough solution perfect for the joining of the steel shaft and steel tip of the bit and coating of any type of steel, nickel alloy, or other hard metal. Its high melting interval allows for working temperatures in excess of 950°C/1800°F.

APPLICATION

- Concrete drill bits for professional builders/contractors
- High-performance bits for industrial concrete-drilling applications