

Miranda drill bits are industrial-grade cutting tools engineered primarily for high-precision metalworking, fabrication, and heavy-duty drilling applications. Manufactured by **Miranda Tools** (a well-known brand under the Dormer Pramet / Sandvik group), these bits are highly regarded for their heat resistance, structural stability, and long-lasting edge retention. [

Here is a breakdown of their descriptions, types, and primary specifications:

Core Material & Build Varieties

- **High-Speed Steel (HSS - M2 Grade):** The standard, premium gold-standard variant. It offers excellent toughness and wear resistance for drilling low-to-medium strength carbon steel, alloy steel, and cast iron. [
- **HSS-Cobalt (HSS-E / M35 & M42 Grades):** Specifically designed with cobalt to handle intense heat. These are ideal for tough, abrasive materials like **stainless steel (304/316)**, cast iron, and tough alloys.
- **Solid Carbide & TiAlN Coated:** Built for high-speed CNC machine operations. Coated with Titanium Aluminum Nitride (TiAlN) to maximize tool life, friction reduction, and speed. [
- **Carbide-Tipped Masonry:** Feature a rugged carbide tip on an HSS body for drilling through stone, brick, concrete, and masonry walls