Next Generation Non-Ferrous Cut - Technical Resources

Part of the Next Generation Bur family, delivers superior performance in machining aluminum and other non-ferrous metals

- Specifically designed for non-ferrous materials with unique cutting edge geometry.
- Delivers increased material removal rates compared to conventional aluminum-cut burs.
- Reduced cutting forces result in a superior surface finish on aluminum and similar metals.
- Accelerator-N coating minimizes adhesion while maintaining a sharp cutting edge.
- For use on: all grades of aluminum, titanium, and other non-ferrous metals, as well as plastics and fiber-reinforced plastics (GRP/CRP).

Application

Steel	Hardened Steel	Stainless	Cast Iron	Titanium	Cermet	Nickel	Copper, Copper Alloys	Aluminum	Plastics GRP/CRP
				●				●	●

● = Optimal
○ = Good

Recommended Operating Speeds

The operating speeds listed below serve as a guide for using tungsten carbide burs, based on bur head diameter.

ISO Material Category	Material Description	Application	Bur Cutting Diameter	Speed Range (rpm)
N Non-ferrous metals	Aluminum and other non-ferrous metals, e.g. titanium	High stock removal	1/4	27,000 - 59,000
			3/8	24,000 - 35,000
	Non-metallic materials, e.g. plastics, fiber-reinforced plastics		1/2	12,000 - 30,000

Recommended speeds are based on standard shank length burs up to 1 ¾", with maximum overhang of 3/8".
Max operating speed of 15,000 rpm for extended shanks (>1 ¾").