

Bur Use Data

Materials	Doublecut	Singlecut	Alumacut	Diamondcut	Chipbreaker
Aluminum			●	●	
Brass, Bronze, Copper	●	●			●
Fiberglass				●	
Cast Iron	●	●		●	
Plastics			●	●	
Steel: 40-55rc	●	●		●	●
Steel: 55-60rc	●	●		●	●
Steel: Carbon	●	●			●
Steel Nickel, Chrome	●	●		●	●
Stainless Steel	●	●			●
Steel Weldments	●	●			●
Titanium	●	●			●
Zinc			●		



Single Cut



Double Cut



Chipbreaker Cut



Diamond Cut



Fastmill Cut (Alumacut)

General Bur Speed Recommendations

The following chart is a general and approximate recommendation. Variations to achieve desired results may be necessary. Long shank burs should be used at reduced speeds.

Bur Diameter	RPM
3mm Solid Carbide	45,000-50,000
5mm Solid Carbide	35,000-40,000
5mm Carbide Head Brazed to 3mm Steel Shank	30,000-35,000
6mm Solid Carbide	30,000-35,000
6mm Solid Carbide Brazed to 3mm Steel Shank	25,000-30,000
8mm Carbide Head Brazed to 6mm Steel Shank	25,000-30,000
10mm Carbide Head Brazed to 6mm Steel Shank	25,000-30,000
11mm Carbide Head Brazed to 6mm Steel Shank	20,000-25,000
12mm Carbide Head Brazed to 6mm Steel Shank	20,000-25,000
16mm Carbide Head Brazed to 6mm Steel Shank	15,000-20,000
18mm Carbide Head Brazed to 6mm Steel Shank	15,000-20,000
25mm Carbide Head Brazed to 6mm Steel Shank	12,000-18,000