

Types of Cuts & Recommended Applications

Following are general guidelines for selecting the correct bur based upon material being machined.

Single (Standard)



A general-purpose right hand flute style is recommended when rapid stock removal and good workpiece finish are the parameters.

Fine



A general-purpose right hand flute style designed for producing higher quality finishes, when removing less stock, with more operator control.

Shear



A right hand flute style bur is recommended for rapid stock removal on softer, non-ferrous and non-metallic materials.

Double (Alternate Diamond Grind)



M.A. Ford® Carbide Burs are available in a Standard Alternate Diamond (Double Cut). An alternate diamond grind has left hand fluting added to standard fluting. This additional fluting helps break up chips when working steel weldments or other materials that can produce small or sliver-type chips. A slight left hand cutting action typically provides the operator more control of the bur and grinder.

Bur Application Chart				
Material	Type of Cut			
	Single	Double	Fine	Shear
Steel, Carbon & Alloys	x	x		
Steel, Nickel Chrome	x	x		
Steel, Stainless	x	x	x	
Steel, Weldments	x	x		
Cast Iron	x			
Titanium	x	x		
Steel, 40-60 Rc	x	x	x	
Wood				x
Aluminum	x	x		x
Brass, Bronze, Copper	x	x		
Carbon	x			
Fiberglass	x			
Hard Rubber	x			x
Magnesium				x
Masonite	x			x
Plastics	x			x
Zinc				x

All burs available with coating.
See page 545 for our coating options.

**Contact M.A. Ford® at
800-553-8024 / 563-391-6220
for all your application questions.**

**Specify type of cut when ordering.
Order by Tool No. / EDP or SCTI No.**

**SCTI No. - D Double Cut
SCTI No. - F Fine Cut**

Example:

**SA-41.....Single Cut
SA-41-D.....Double Cut
SA-41-F.....Fine Cut**