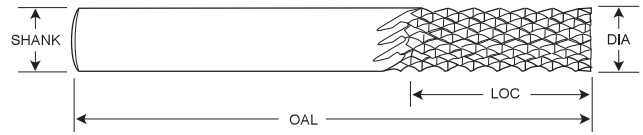


DIAMOND CUT ROUTERS

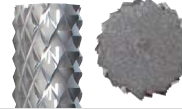


Routinely used on printed circuit boards, plastics, epoxy resins, and various composite materials



STYLE A NO END CUT

Edge routing
Smoothing
Finishing

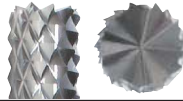


SHANK TOLERANCE: +0.0000/-0.0005"

DIA	Dec In	LOC	Shank	OAL	Style A
1/16	0.0625	3/16	1/8	1-1/2	780-001001
3/32	0.0938	3/8	1/8	1-1/2	780-001010
1/8	0.1250	1/2	1/8	1-1/2	780-001020
3/16	0.1875	5/8	3/16	2	780-001030
			1/4	2	780-001040
			2	2	780-001050
1/4	0.2500	3/4	1/4	2-1/2	780-001060
			1	3	780-001070
5/16	0.3125	1	5/16	2-1/2	780-001080
3/8	0.3750	1	3/8	2-1/2	780-001090
1/2	0.5000	1	1/2	3	780-001100

STYLE B BURR END CUT

Grooving
Bottom Cutting

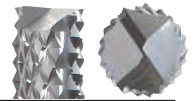


SHANK TOLERANCE: +0.0000/-0.0005"

DIA	Dec In	LOC	Shank	OAL	Style B
1/16	0.0625	3/16	1/8	1-1/2	781-001001
3/32	0.0938	3/8	1/8	1-1/2	781-001010
1/8	0.1250	1/2	1/8	1-1/2	781-001020
3/16	0.1875	5/8	3/16	2	781-001030
			1/4	2	781-001040
1/4	0.2500	3/4	1/4	2	781-001050
			2-1/2	2	781-001060
			3	3	781-001070
5/16	0.3125	1	5/16	2-1/2	781-001080
3/8	0.3750	1	3/8	2-1/2	781-001090
1/2	0.5000	1	1/2	3	781-001100

STYLE C END MILL STYLE

Grooving
Bottom Cutting

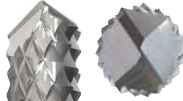


SHANK TOLERANCE: +0.0000/-0.0005"

DIA	Dec In	LOC	Shank	OAL	Style C
1/16	0.0625	3/16	1/8	1-1/2	782-001001
3/32	0.0938	3/8	1/8	1-1/2	782-001010
1/8	0.1250	3/8	1/8	1-1/2	782-001020
3/16	0.1875	5/8	3/16	2	782-001030
			1/4	2	782-001040
1/4	0.2500	3/4	1/4	2	782-001050
			2-1/2	2	782-001060
			3	3	782-001070
5/16	0.3125	1	5/16	2-1/2	782-001080
3/8	0.3750	1	3/8	2-1/2	782-001090
1/2	0.5000	1	1/2	3	782-001100

STYLE D DRILL POINT

Plunge feeding
135° Drill Point

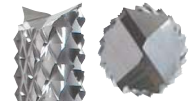


SHANK TOLERANCE: +0.0000/-0.0005"

DIA	Dec In	LOC	Shank	OAL	Style D
1/16	0.0625	3/16	1/8	1-1/2	783-001001
3/32	0.0938	3/8	1/8	1-1/2	783-001010
1/8	0.1250	3/8	1/8	1-1/2	783-001020
3/16	0.1875	5/8	3/16	2	783-001030
			1/4	2	783-001040
1/4	0.2500	3/4	1/4	2	783-001050
			2-1/2	2	783-001060
			3	3	783-001070
5/16	0.3125	1	5/16	2-1/2	783-001080
3/8	0.3750	1	3/8	2-1/2	783-001090
1/2	0.5000	1	1/2	3	783-001100

STYLE F FISHTAIL END

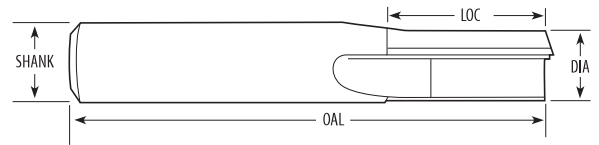
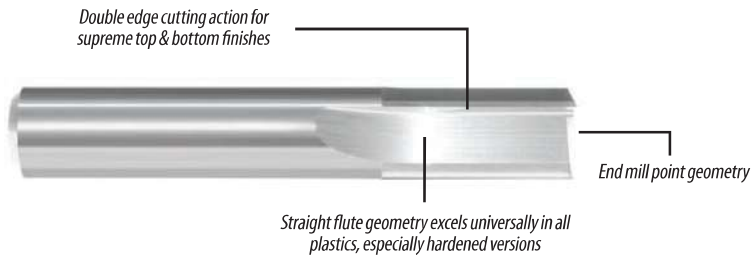
Plunge feeding



SHANK TOLERANCE: +0.0000/-0.0005"

DIA	Dec In	LOC	Shank	OAL	Style F
1/16	0.0625	3/16	1/8	1-1/2	784-001001
3/32	0.0938	3/8	1/8	1-1/2	784-001010
1/8	0.1250	1/2	1/8	1-1/2	784-001020
3/16	0.1875	5/8	3/16	2	784-001030
			1/4	2	784-001040
1/4	0.2500	3/4	1/4	2	784-001050
			2-1/2	2	784-001060
			3	3	784-001070
5/16	0.3125	1	5/16	2-1/2	784-001080
3/8	0.3750	1	3/8	2-1/2	784-001090
1/2	0.5000	1	1/2	3	784-001100

STRAIGHT FLUTE ROUTERS



SHANK TOLERANCE: +0.0000/-0.0005"

Flutes	DIA	Dec In	LOC	Shank	OAL	Bright
	3/32	0.0938	3/8	1/8	1-1/2	787-920001
	1/8	0.1250	1/2	1/8	1-1/2	787-920002
	3/16	0.1875	5/8	3/16	2	787-920003
	1/4	0.2500	3/4	1/4	2-1/2	787-920004
	5/16	0.3125	13/16	5/16	2-1/2	787-920005
	3/8	0.3750	7/8	3/8	2-1/2	787-920006
	7/16	0.4375	1	7/16	2-1/2	787-920007
	1/2	0.5000	1	1/2	3	787-920008
	3/32	0.0938	3/8	1/8	1-1/2	787-930001
	1/8	0.1250	1/2	1/8	1-1/2	787-930002
	3/16	0.1875	5/8	3/16	2	787-930003
	1/4	0.2500	3/4	1/4	2-1/2	787-930004
	5/16	0.3125	13/16	5/16	2-1/2	787-930005
	3/8	0.3750	7/8	3/8	2-1/2	787-930006
	7/16	0.4375	1	7/16	2-1/2	787-930007
	1/2	0.5000	1	1/2	3	787-930008

ROUTING RECOMMENDATIONS

Diameter	Inch per Minute (IPM)	
	RPM	IPM
1/16	20,000 – 35,000	30-55
3/32	12,000 – 25,000	25-50
1/8	9,000 – 18,000	23-46
3/16	6,000 – 12,000	18-36
1/4	5,000 – 10,000	17-34
5/16	3,500 – 7,000	15-30
3/8	2,500 – 5,000	12-24
1/2	2,000 – 4,000	10-20