

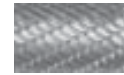
Carbo-Mills™ & Ecarno-Mills™

3/16" Shank Diameter –

2" Overall Length

Carbo-Mills™ - tough durable carbide features the Severance Double-Cut flute design.

Ecarno-Mills™ - carbide with standard spiral flute design.



Carbide
Carbo-Mill™



Carbide
Ecarno-Mills®



Shape "A"



Shape "B"



Shape "C"



Shape "L", "H", "J", and "M"



Shape "N"



Shape "Q"



Shape "R"



Shape "T"



Tapered End 90° Included



Tapered End 60° Included

Head Dia.	Flute Length	Nose Point, Flat, or Radius
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Cylindrical, Plain Nose, Shape "A"

1/8"	3/8"	-
3/16"	1/2"	-

Cylindrical, End Cutting, Shape "A"

1/8"	3/8"	-
3/16"	1/2"	-

Ball, Shape "B"

1/8"	3/32"	-
3/16"	11/64"	-

Cylindrical, Ball Nose, Shape "C"

1/8"	3/8"	-
3/16"	1/2"	-

Olive, Shape "Q"

3/16"	9/32"	-
3/16"	3/8"	-

Tree, Radius Nose, Shape "R"

3/16"	1/2"	.048"
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Tree, Pointed Nose, Shape "T"

3/16"	1/2"	P
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Cone, 7° Included, Shape "H"

3/16"	1/2"	.067"
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Cone, 10° Included, Shape "M"

3/16"	1/4"	.031"
3/16"	5/16"	.031"

Cone, 12° Included, Shape "J"

3/16"	7/16"	F
3/16"	5/8"	.067"

Cone, 14° Included, Shape "L"

3/16"	3/8"	.054"
3/16"	7/16"	.031"

Flame, Shape "FL"

3/16"	1/4"	-
3/16"	5/16"	-

Inverted Cone, Plain End, Shape "N"

3/16"	3/16"	-
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Inverted Cone, End Cutting, Shape "N"

3/16"	3/16"	-
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Tapered End, 60° Included Angle Double End

3/16"	5/32"	P
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Tapered End, 90° Included Angle Double End

3/16"	3/32"	P
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Carbo-Mill™ Name	EDP Order Number
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6A4-W	22280
6A-W	22281

6A4-EC-W	22282
6A-EC-W	22283

6B4-W	22284
6B-W	22285

6C4-W	22286
6C-W	22287

-	-
6Q-W	22288

6R-W	22289
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6T-W	22290
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6H-W	22293
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6M4-W	22292
6M-W	22291

6J-W	22295
-	-

6L-W	22294
-	-

6GN-W	22296
-	-

6N-W	22297
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6N-EC-W	22298
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6Z-W-DE	20622
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6Y-W-DE	20682
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Ecarno-Mill™ Name	EDP Order Number
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SA-82	21920
SA-81	21921

SB-82	21922
SB-81	21923

SD-82	21924
SD-81	21925

SC-82	21926
SC-81	21927

SE-81	21928
-	-

SF-81	21929
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SG-81	21930
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-	-

-	-
SM-81	21932

-	-
SL-81	21931

-	-
SH-81	21933

SN-81	21934
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SN-82	21935
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SJ-81	21937
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SK-81	21936
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Carbo-Mills™ & Ecarno-Mills™

1/8" Shank Diameter –
1-1/2" Overall Length

Carbo-Mills™ - tough durable carbide features the Severance Double-Cut flute design.

Ecarno-Mills™ - carbide with standard spiral flute design.



Shape "A"



Shape "A"



Shape "B"



Shape "C"



Shape "C"



Shape "L", "H", "J", "M"



Shape "N",



Shape "Q",



Shape "R"



Shape "T"



Tapered End 90° Incl



Tapered End 60° Incl

Head Dia.	Flute Length	Nose Point, Flat, or Radius
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Cylindrical, Plain Nose, Shape "A"

1/16"	1/4"	-
3/32	7/16"	-
3/32"	1/2"	-
1/8"	9/16"	-

Cylindrical, End Cutting, Shape "A"

1/16"	1/4"	-
3/32	7/16"	-
3/32"	1/2"	-
1/8"	9/16"	-
1/8"	3/8"	-

Ball, Shape "B"

3/32"	5/64"	-
1/8"	3/32"	-

Cylindrical, Ball Nose, Shape "C"

3/32"	1/2"	-
3/32"	7/16"	-
1/8"	9/16"	-

Olive, Shape "Q"

1/8"	7/32"	-
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Tree, Radius Nose, Shape "R"

1/8"	1/4"	.031"
1/8"	1/2"	.031"

Tree, Radius Nose, Shape "S"

1/8"	1/2"	.031"
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Tree, Pointed Nose, Shape "T"

1/8"	1/4"	P
1/8"	3/8"	P
1/8"	1/2"	P

Cone, 7° Included, Shape "H"

1/8"	1/2"	.031"
1/8"	5/8"	.031"

Cone, 8° Included, Shape "L"

1/8"	3/8"	.039"
1/8"	1/2"	F

Cone, 10° Included, Shape "M"

3/32"	1/4"	.016"
1/8"	5/16"	.031"

Cone, 12° Included, Shape "J"

1/8"	11/32"	F
1/8"	7/16"	F

Cone, 14° Included, Shape "L"

1/8"	3/8"	.019"
1/8"	7/16"	.010"

Flame, Shape "FL"

1/8"	1/4"	-
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Inverted Cone, Plain End, Shape "N"

3/32"	1/8"	-
1/8"	3/16"	-

Inverted Cone, End Cutting, Shape "N"

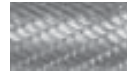
3/32"	1/8"	-
1/8"	3/16"	-

Tapered End, 60° Included Angle Double End

1/8"	"	P
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Tapered End, 90° Included Angle Double End

1/8"	"	P
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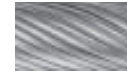


Carbide Carbo-Mill™

Carbo-Mill™ Name	EDP Order Number
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-	-
-	-
4A3-W	22230
4A-W	22231

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-	-
4A3-EC-W	22232
4A-EC-W	22233
-	-



Carbide Ecarno-Mills®

Ecarno-Mill™ Name	EDP Order Number
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SA-41	21770
SA-42	21771
-	-
SA-43	21772

SB-42	21774
SB-43	21775
-	-
SB-44	21776
*SB-41	21773

4B3-W	22234
4B-W	22235

SD-41	21777
SD-42	21778

4C3-W	22236
-	-
4C-W	22237

-	-
SC-41	21779
SC-42	21780

4Q-W	22238
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SE-41	21781
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-	-

SF-41	21783
SF-42	21782

4R-W	22239
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-	-
4T-W	22240

SG-41	21786
SG-43	21785
SG-44	21784

4H-W	22243
-	-

-	-
SM-43	21787

-	-
-	-

SL-41	21791
SL-42	21790

4M3-W	22242
4M-W	22241

-	-
-	-

-	-
4J-W	22245

SM-41	21789
-	-

4L-W	22244
-	-

-	-
SM-42	21788

4GN-W	22246
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SH-41	21792
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-	-
4N-W	22247

SN-41	21794
SN-42	21793

-	-
4N-W-EC	22248

SN-41	21794
SN-42	21793

4Y-W-DE	22249
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SJ-41	21798
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4Z-W-DE	22250
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SK-41	21797
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*SB-41 (EDP #21773) is only available in a double ended style

Carbo-Mills™ &

Ecarno-Mills™

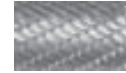
3/32" Shank Diameter –

2" Overall Length

Carbo-Mills™ - tough durable carbide features the Severance Double-Cut flute design.

Ecarno-Mills™ - carbide with standard spiral flute design.

Uses - Carbo-Mills™ cover a wide range of uses such as: removing gates, fins, and risers; breaking sharp corners and edges; machining carbon; finishing castings of any material; working fillets, radii, and grooves; deburring oil holes; blending welded and assembled parts; and removing weld beads. They are ideal for the production deburring and machining of parts made from materials that are abrasive or tough, or having hardness up to 60 "C" Rockwell. They are equally useful to maintenance men, and to tooling departments that produce dies, molds, and metal patterns.



Carbide Carbo-Mill™



Carbide Ecarno-Mills®

Head Dia.	Flute Length	Nose Point, Flat, or Radius
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Carbo-Mill™ Name	EDP Order Number
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Ecarno-Mill™ Name	EDP Order Number
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Cylindrical, Plain Nose, Shape "A"

1/16"	1/4"	-
3/32"	3/8"	-

3A2-W	22180
3A-W	22181

SA-61	21720
SA-63	21721

Cylindrical, End Cutting, Shape "A"

1/16"	1/4"	-
3/32"	3/8"	-

3A2-EC-W	22182
3A-EC-W	22183

SB-61	21723
SB-63	21724

Ball, Shape "B"

1/16"	3/64"	-
3/32"	5/64"	-

3B2-W	22184
3B-W	22185

SD-61	21726
SD-63	21727

Cylindrical, Ball Nose, Shape "C"

1/16"	1/4"	-
3/32"	3/8"	-

3C2-W	22186
3C-W	22187

SC-61	21728
SC-63	21729

Olive, Shape "Q"

3/32"	1/8"	-
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3Q-W	22188
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SE-61	21730
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Tree, Radius Nose, Shape "R"

3/32"	5/16"	.023"
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3R-W	22189
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SF-61	21731
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Tree, Pointed Nose, Shape "T"

3/32"	3/8"	P
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3T-W	22190
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SG-61	21732
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Cone, 7° Included, Shape "H"

3/32"	5/16"	.031"
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3H-W	22193
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SM-63	21735
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Cone, 10° Included, Shape "M"

3/32"	3/16"	F
3/32"	1/4"	.016

3M3-W	22192
3M-W	22191

SM-61	21734
SM-62	21733

Cone, 12° Included, Shape "J"

3/32"	1/4"	F
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3J-W	22195
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SL-61	21737
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Cone, 14° Included, Shape "L"

3/32"	1/4"	.015"
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3L-W	22194
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SL-62	21736
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Flame, Shape "FL"

3/32"	1/8"	-
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3GN-W	22196
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SH-61	21738
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Inverted Cone, Plain End, Shape "N"

3/32"	1/8"	-
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3N-W	22197
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SN-61	21739
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Inverted Cone, End Cutting, Shape "N"

3/32"	1/8"	-
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3N-EC-W	22198
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SN-62	21740
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Tapered End, 60° Included Angle Double End

3/32"	1/8"	P
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3Z-W-DE	20620
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SJ-61	21741
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Tapered End, 90° Included Angle Double End

3/32"	1/8"	P
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3Y-W-DE	20680
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SK-61	21742
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Shape "A"

Shape "B"

Shape "C"

Shape "T",

Shape "N",

Shape "R"

Shape "H", "J", "L", and "M"

Tapered End 90° Included

Tapered End 60° Included