



Standard and Custom Cutting Tools

Customer Focused, Employee Driven®





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OFFICE HOURS

Monday - Friday
8AM - 4PM Central

ORDERING INFO

When it comes to buying cutting tools, we trust our customers to know the way that works best for them to purchase. That's why MITGI offers flexibility in purchasing. Customers can buy direct or through distributors they trust to deliver additional service and support. Contact us for more information.

Visit www.mitgi.us to browse our online catalog, send a quote request, or contact us for purchasing options.

Prices subject to change.

MIDWEST INDUSTRIAL TOOL GRINDING, INC.

Midwest Industrial Tool Grinding, Inc. (MITGI) manufactures and markets standard and custom micro cutting tools. Headquartered in Hutchinson, Minnesota, MITGI combines innovation with quality and repeatability to produce tools needed to power precision manufacturers. MITGI tools are the product of choice for many R&D departments and manufacturers that serve medical device manufacturing, automotive, aerospace, firearms, and other industries. Founded in 1993 as a re-grinding company and custom cutting tool manufacturer, MITGI has grown and expanded, but the focus has remained the same: quality, precision, and personalized customer service.

Many customers first came to MITGI to find a source for tools that other manufacturers could not make or when available lead times were too long. MITGI is good at solving problems like these and we like knowing that the tools we make help to empower innovation and performance in manufacturing facilities across the U.S. and throughout the world.

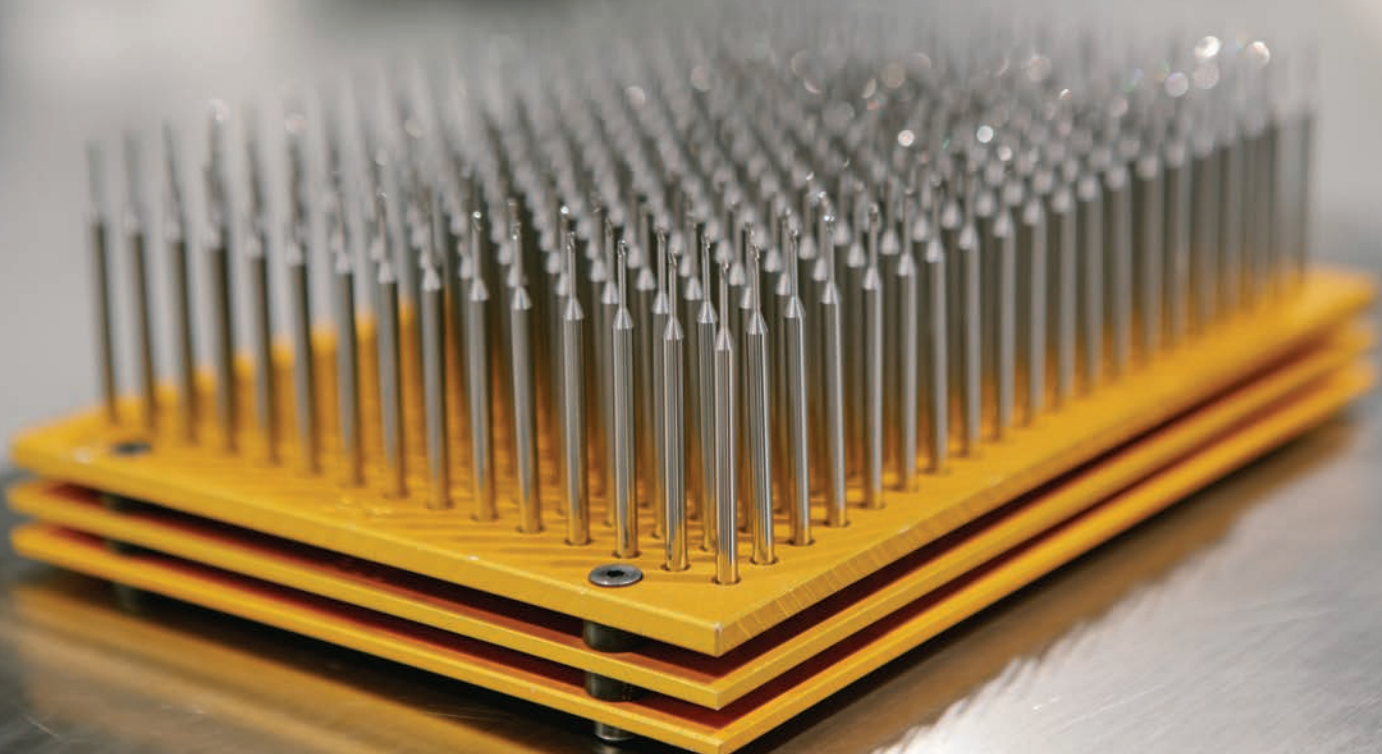
CUSTOMER FOCUSED, EMPLOYEE DRIVEN®

Building a business is possible only when everyone shares the same goal: meeting the needs of our customers. For more than 30 years, MITGI employees have worked to achieve this goal every day. With an eye for innovation, customer-centric service, and attention to detail, MITGI employees ensure that we meet or exceed the expectations of our customers each day.

We look forward to continuing to work with our customers to manufacture and utilize quality custom and standard tools.

Rev. 07/2025





MANUFACTURED BY MITGI: QUICK TURN SPECIALS

We strive to provide fast service on every order we manufacture. We start with fast communication and turnaround times on quoting, order placement, tool development and print approval. We continue fast service in production, coating, quality, and packaging. From start to finish, most specials can be manufactured in two weeks or less. Some custom tools can be made even faster, often within a three day turnaround.

In general, tools that are similar to our standard tool lines are more likely to qualify for a condensed timeline. Contact our team to discuss expedited lead time options on any order.

QUICK TURN TOOL CATEGORIES



Tool categories that may qualify for QUICK TURN timelines are marked throughout the catalog with the QUICK TURN icon. Depending on the tool design, others may qualify

as well (see p. 206-207 for more details about form tools, larger diameter tools, and complex tools).

MICRO TOOLS (1/8" shank)

- Micro End Mills
- Micro Drills
- Micro Reamers
- Mold Tools
- Step Drills



QUICK TURN SPECIALS

GETTING STARTED

1. Send us the specs for your custom tool. Options that provide useful tool information include: existing tool print, a completed Quote Form, sketch, or photo.
2. Ask for a QUICK TURN REVIEW. We will review the tool info, the current schedule, and determine how quickly the tool can be made.
3. If the tool qualifies, your tool will be marked for QUICK TURN. Within a few hours, you will receive a tool print for review and the order acknowledgement. Return the tool print quickly to maintain estimated ship date.

QUICK TURN schedule availability may vary and capacity is limited.

Ready to get started?

Contact us:
Phone: (320) 455-0535
Email: info@mitgi.us
Web: www.mitgi.us





MICRO END MILLS (2, 3, 4 Flutes)

Square	6-12
Extended Reach Square	14-19
Corner Radius	20-29
Extended Reach Corner Radius	30-41
Ball	42-46
Extended Reach Ball	48-53

MICRO END MILLS (5 Flutes)

Square	54-58
Extended Reach Square	60-65
Corner Radius	66-73
Extended Reach Corner Radius	74-79

METRIC MICRO END MILLS

Square	80-81
Ball	82-83
Square (metric shank)	84-85
Ball (metric shank)	86-87

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Square	88-89
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Ball	94-95



MICRO DRILLS

118° and 140° 5x, 8x, 12x, 15x Flute Length	96-103
118° and 140° 5x, 8x, 12x, 15x Flute Length (metric)	104-107

COOLANT THRU MICRO DRILLS

140° 8x and 12x Flute Length	108
140° 8x and 12x Flute Length (metric)	109



REAMERS

8x Flute Length +0.0002 Tolerance	110
8x Flute Length, 12x Reach +0.0002 Tolerance	111

METRIC REAMERS

8x Flute Length +0.005 mm Tolerance	112
8x Flute Length, 12x Reach +0.005 mm Tolerance	113



DRAFTED MOLD TOOLS

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Corner Radius, 2°, 3°, 5°	118-123
Ball, 2°, 3°, 5°	124-125

CLEARANCE CUTTER MOLD TOOLS

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COOLANT THRU THREAD MILLS

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NPT Full Form Helical	170
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60 and 90° Dovetail	188-189
30° and 45° Chamfer	190

CUTTERS

30°, 60°, 90° Engraving Tools	192-193
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PLASTIC CUTTERS

Square Upcut, 1 Flute 3x, 4x, 5x Length of Cut	194-196
Square Upcut, 2 Flute 3x, 5x, 8x Length of Cut	197-199
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SAWS

3/8" Brazed Saws	202
1/2" Brazed Saws	203
3/4" Brazed Saws	204
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S10

Square Micro End Mills

**FLUTES
2,3,4**

**1.5X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.003	0.0045	0.125	1.50	S10-003-2-SST	N/A	N/A	\$42.63	\$44.94
0.004	0.006	0.125	1.50	S10-004-2-SST	N/A	N/A	\$36.23	\$38.54
0.005	0.0075	0.125	1.50	S10-005-2-SST	N/A	N/A	\$33.40	\$35.71
0.006	0.009	0.125	1.50	S10-006-2-SST	N/A	N/A	\$33.40	\$35.71
0.007	0.0105	0.125	1.50	S10-007-2-SST	N/A	N/A	\$32.32	\$34.63
0.008	0.012	0.125	1.50	S10-008-2-SST	S10-008-3-SST	S10-008-4-SST	\$32.32	\$34.63
0.009	0.0135	0.125	1.50	S10-009-2-SST	S10-009-3-SST	S10-009-4-SST	\$32.32	\$34.63
0.010	0.015	0.125	1.50	S10-010-2-SST	S10-010-3-SST	S10-010-4-SST	\$26.63	\$28.94
0.011	0.0165	0.125	1.50	S10-011-2-SST	S10-011-3-SST	S10-011-4-SST	\$26.63	\$28.94
0.012	0.018	0.125	1.50	S10-012-2-SST	S10-012-3-SST	S10-012-4-SST	\$26.63	\$28.94
0.013	0.0195	0.125	1.50	S10-013-2-SST	S10-013-3-SST	S10-013-4-SST	\$26.63	\$28.94
0.014	0.021	0.125	1.50	S10-014-2-SST	S10-014-3-SST	S10-014-4-SST	\$26.63	\$28.94
0.015 (1/64)	0.0225	0.125	1.50	S10-015-2-SST	S10-015-3-SST	S10-015-4-SST	\$23.45	\$25.76
0.016	0.024	0.125	1.50	S10-016-2-SST	S10-016-3-SST	S10-016-4-SST	\$23.45	\$25.76
0.017	0.0255	0.125	1.50	S10-017-2-SST	S10-017-3-SST	S10-017-4-SST	\$23.45	\$25.76
0.018	0.027	0.125	1.50	S10-018-2-SST	S10-018-3-SST	S10-018-4-SST	\$23.45	\$25.76
0.019	0.0285	0.125	1.50	S10-019-2-SST	S10-019-3-SST	S10-019-4-SST	\$23.45	\$25.76
0.020	0.030	0.125	1.50	S10-020-2-SST	S10-020-3-SST	S10-020-4-SST	\$22.37	\$24.68
0.021	0.0315	0.125	1.50	S10-021-2-SST	S10-021-3-SST	S10-021-4-SST	\$22.37	\$24.68
0.022	0.033	0.125	1.50	S10-022-2-SST	S10-022-3-SST	S10-022-4-SST	\$22.37	\$24.68
0.023	0.0345	0.125	1.50	S10-023-2-SST	S10-023-3-SST	S10-023-4-SST	\$22.37	\$24.68
0.024	0.036	0.125	1.50	S10-024-2-SST	S10-024-3-SST	S10-024-4-SST	\$22.37	\$24.68
0.025	0.0375	0.125	1.50	S10-025-2-SST	S10-025-3-SST	S10-025-4-SST	\$20.25	\$22.56
0.026	0.039	0.125	1.50	S10-026-2-SST	S10-026-3-SST	S10-026-4-SST	\$20.25	\$22.56
0.027	0.0405	0.125	1.50	S10-027-2-SST	S10-027-3-SST	S10-027-4-SST	\$20.25	\$22.56
0.028	0.042	0.125	1.50	S10-028-2-SST	S10-028-3-SST	S10-028-4-SST	\$20.25	\$22.56
0.029	0.0435	0.125	1.50	S10-029-2-SST	S10-029-3-SST	S10-029-4-SST	\$20.25	\$22.56
0.030	0.045	0.125	1.50	S10-030-2-SST	S10-030-3-SST	S10-030-4-SST	\$20.25	\$22.56
0.031 (1/32)	0.0465	0.125	1.50	S10-031-2-SST	S10-031-3-SST	S10-031-4-SST	\$20.25	\$22.56
0.035	0.0525	0.125	1.50	S10-035-2-SST	S10-035-3-SST	S10-035-4-SST	\$17.40	\$19.71
0.039 (1mm)	0.059	0.125	1.50	S10-039-2-SST	S10-039-3-SST	S10-039-4-SST	\$17.40	\$19.71
0.040	0.060	0.125	1.50	S10-040-2-SST	S10-040-3-SST	S10-040-4-SST	\$17.40	\$19.71
0.045	0.0675	0.125	1.50	S10-045-2-SST	S10-045-3-SST	S10-045-4-SST	\$17.40	\$19.71
0.047 (3/64)	0.0705	0.125	1.50	S10-047-2-SST	S10-047-3-SST	S10-047-4-SST	\$17.40	\$19.71
0.050	0.075	0.125	1.50	S10-050-2-SST	S10-050-3-SST	S10-050-4-SST	\$17.40	\$19.71
0.055	0.0825	0.125	1.50	S10-055-2-SST	S10-055-3-SST	S10-055-4-SST	\$17.40	\$19.71
0.060	0.090	0.125	1.50	S10-060-2-SST	S10-060-3-SST	S10-060-4-SST	\$15.27	\$17.58
0.062 (1/16)	0.093	0.125	1.50	S10-062-2-SST	S10-062-3-SST	S10-062-4-SST	\$15.27	\$17.58
0.065	0.0975	0.125	1.50	S10-065-2-SST	S10-065-3-SST	S10-065-4-SST	\$15.27	\$17.58
0.070	0.105	0.125	1.50	S10-070-2-SST	S10-070-3-SST	S10-070-4-SST	\$15.27	\$17.58
0.075	0.1125	0.125	1.50	S10-075-2-SST	S10-075-3-SST	S10-075-4-SST	\$15.27	\$17.58
0.078 (5/64)	0.117	0.125	1.50	S10-078-2-SST	S10-078-3-SST	S10-078-4-SST	\$15.27	\$17.58
0.080	0.120	0.125	1.50	S10-080-2-SST	S10-080-3-SST	S10-080-4-SST	\$15.27	\$17.58

Square Micro End Mills

S10

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

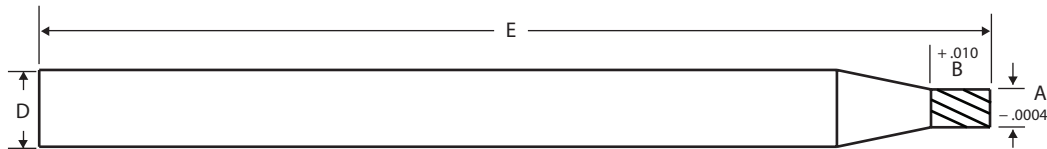
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.085	0.1275	0.125	1.50	S10-085-2-SST	S10-085-3-SST	S10-085-4-SST	\$15.27	\$17.58
0.090	0.135	0.125	1.50	S10-090-2-SST	S10-090-3-SST	S10-090-4-SST	\$15.27	\$17.58
0.093 (3/32)	0.1395	0.125	1.50	S10-093-2-SST	S10-093-3-SST	S10-093-4-SST	\$15.27	\$17.58
0.095	0.1425	0.125	1.50	S10-095-2-SST	S10-095-3-SST	S10-095-4-SST	\$15.27	\$17.58
0.100	0.150	0.125	1.50	S10-100-2-SST	S10-100-3-SST	S10-100-4-SST	\$15.27	\$17.58
0.105	0.1575	0.125	1.50	S10-105-2-SST	S10-105-3-SST	S10-105-4-SST	\$15.27	\$17.58
0.110	0.165	0.125	1.50	S10-110-2-SST	S10-110-3-SST	S10-110-4-SST	\$15.27	\$17.58
0.115	0.1725	0.125	1.50	S10-115-2-SST	S10-115-3-SST	S10-115-4-SST	\$15.27	\$17.58
0.118 (3mm)	0.177	0.125	1.50	S10-118-2-SST	S10-118-3-SST	S10-118-4-SST	\$15.27	\$17.58
0.120	0.180	0.125	1.50	S10-120-2-SST	S10-120-3-SST	S10-120-4-SST	\$15.27	\$17.58
0.125 (1/8)	0.1875	0.125	1.50	S10-125-2-SST	S10-125-3-SST	S10-125-4-SST	\$15.27	\$17.58



Custom End Mills

MITGI QUOTE SHEET / End Mill

Technical drawing of a custom end mill with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Company Information

Customer Name: _____
 Customer Address: _____
 Customer Phone: _____
 Customer Email: _____

Tool Information

Tool Name: _____
 Tool Number: _____
 Tool Material: _____
 Tool Coating: _____
 Tool Finish: _____

Quoting

Quote Number: _____
 Quote Date: _____
 Quote Validity: _____
 Quote Terms: _____

Schedule and Production

Lead Time: _____
 Production Quantity: _____
 Production Date: _____
 Production Location: _____

End Finish

End Finish: _____
 End Finish Date: _____
 End Finish Location: _____

**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter: 3mm – 1.250 in
- Tolerances and number of flutes vary by design
- End finishes: square, ball, corner radius, chamfer
- Extended reach and extended length of cut options available
- Coated or uncoated
- Specials usually available in two weeks or less

**Quote forms available on our website and upon request.
Contact us for an estimate today.**



MADE IN THE USA

MANUFACTURED BY MITGI

PHONE: (320) 455-0535

WWW.MITGI.US

7

S08

Square Micro End Mills

FLUTES
2,3,4

3X
LENGTH
OF CUT

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.003	0.009	0.125	1.50	S08-003-2-SEM	N/A	N/A	\$42.63	\$44.94
0.004	0.012	0.125	1.50	S08-004-2-SEM	N/A	N/A	\$36.23	\$38.54
0.005	0.015	0.125	1.50	S08-005-2-SEM	N/A	N/A	\$33.40	\$35.71
0.006	0.018	0.125	1.50	S08-006-2-SEM	N/A	N/A	\$33.40	\$35.71
0.007	0.021	0.125	1.50	S08-007-2-SEM	N/A	N/A	\$32.32	\$34.63
0.008	0.024	0.125	1.50	S08-008-2-SEM	N/A	N/A	\$32.32	\$34.63
0.009	0.027	0.125	1.50	S08-009-2-SEM	N/A	N/A	\$32.32	\$34.63
0.010	0.030	0.125	1.50	S08-010-2-SEM	S08-010-3-SEM	S08-010-4-SEM	\$26.63	\$28.94
0.011	0.033	0.125	1.50	S08-011-2-SEM	S08-011-3-SEM	S08-011-4-SEM	\$26.63	\$28.94
0.012	0.036	0.125	1.50	S08-012-2-SEM	S08-012-3-SEM	S08-012-4-SEM	\$26.63	\$28.94
0.013	0.039	0.125	1.50	S08-013-2-SEM	S08-013-3-SEM	S08-013-4-SEM	\$26.63	\$28.94
0.014	0.042	0.125	1.50	S08-014-2-SEM	S08-014-3-SEM	S08-014-4-SEM	\$26.63	\$28.94
0.015 (1/64)	0.045	0.125	1.50	S08-015-2-SEM	S08-015-3-SEM	S08-015-4-SEM	\$23.45	\$25.76
0.016	0.048	0.125	1.50	S08-016-2-SEM	S08-016-3-SEM	S08-016-4-SEM	\$23.45	\$25.76
0.017	0.051	0.125	1.50	S08-017-2-SEM	S08-017-3-SEM	S08-017-4-SEM	\$23.45	\$25.76
0.018	0.054	0.125	1.50	S08-018-2-SEM	S08-018-3-SEM	S08-018-4-SEM	\$23.45	\$25.76
0.019	0.057	0.125	1.50	S08-019-2-SEM	S08-019-3-SEM	S08-019-4-SEM	\$23.45	\$25.76
0.020	0.060	0.125	1.50	S08-020-2-SEM	S08-020-3-SEM	S08-020-4-SEM	\$22.37	\$24.68
0.021	0.063	0.125	1.50	S08-021-2-SEM	S08-021-3-SEM	S08-021-4-SEM	\$22.37	\$24.68
0.022	0.066	0.125	1.50	S08-022-2-SEM	S08-022-3-SEM	S08-022-4-SEM	\$22.37	\$24.68
0.023	0.069	0.125	1.50	S08-023-2-SEM	S08-023-3-SEM	S08-023-4-SEM	\$22.37	\$24.68
0.024	0.072	0.125	1.50	S08-024-2-SEM	S08-024-3-SEM	S08-024-4-SEM	\$22.37	\$24.68
0.025	0.075	0.125	1.50	S08-025-2-SEM	S08-025-3-SEM	S08-025-4-SEM	\$20.25	\$22.56
0.026	0.078	0.125	1.50	S08-026-2-SEM	S08-026-3-SEM	S08-026-4-SEM	\$20.25	\$22.56
0.027	0.081	0.125	1.50	S08-027-2-SEM	S08-027-3-SEM	S08-027-4-SEM	\$20.25	\$22.56
0.028	0.084	0.125	1.50	S08-028-2-SEM	S08-028-3-SEM	S08-028-4-SEM	\$20.25	\$22.56
0.029	0.087	0.125	1.50	S08-029-2-SEM	S08-029-3-SEM	S08-029-4-SEM	\$20.25	\$22.56
0.030	0.090	0.125	1.50	S08-030-2-SEM	S08-030-3-SEM	S08-030-4-SEM	\$20.25	\$22.56
0.031 (1/32)	0.093	0.125	1.50	S08-031-2-SEM	S08-031-3-SEM	S08-031-4-SEM	\$20.25	\$22.56
0.035	0.105	0.125	1.50	S08-035-2-SEM	S08-035-3-SEM	S08-035-4-SEM	\$17.40	\$19.71
0.039 (1mm)	0.117	0.125	1.50	S08-039-2-SEM	S08-039-3-SEM	S08-039-4-SEM	\$17.40	\$19.71
0.040	0.120	0.125	1.50	S08-040-2-SEM	S08-040-3-SEM	S08-040-4-SEM	\$17.40	\$19.71
0.042	0.126	0.125	1.50	S08-042-2-SEM	S08-042-3-SEM	S08-042-4-SEM	\$17.40	\$19.71
0.045	0.135	0.125	1.50	S08-045-2-SEM	S08-045-3-SEM	S08-045-4-SEM	\$17.40	\$19.71
0.047 (3/64)	0.141	0.125	1.50	S08-047-2-SEM	S08-047-3-SEM	S08-047-4-SEM	\$17.40	\$19.71
0.050	0.150	0.125	1.50	S08-050-2-SEM	S08-050-3-SEM	S08-050-4-SEM	\$17.40	\$19.71
0.055	0.165	0.125	1.50	S08-055-2-SEM	S08-055-3-SEM	S08-055-4-SEM	\$17.40	\$19.71
0.060	0.180	0.125	1.50	S08-060-2-SEM	S08-060-3-SEM	S08-060-4-SEM	\$15.27	\$17.58
0.062 (1/16)	0.187	0.125	1.50	S08-062-2-SEM	S08-062-3-SEM	S08-062-4-SEM	\$15.27	\$17.58
0.063	0.189	0.125	1.50	S08-063-2-SEM	S08-063-3-SEM	S08-063-4-SEM	\$15.27	\$17.58
0.065	0.195	0.125	1.50	S08-065-2-SEM	S08-065-3-SEM	S08-065-4-SEM	\$15.27	\$17.58
0.070	0.210	0.125	1.50	S08-070-2-SEM	S08-070-3-SEM	S08-070-4-SEM	\$15.27	\$17.58
0.075	0.225	0.125	1.50	S08-075-2-SEM	S08-075-3-SEM	S08-075-4-SEM	\$15.27	\$17.58
0.078 (5/64)	0.234	0.125	1.50	S08-078-2-SEM	S08-078-3-SEM	S08-078-4-SEM	\$15.27	\$17.58
0.080	0.240	0.125	1.50	S08-080-2-SEM	S08-080-3-SEM	S08-080-4-SEM	\$15.27	\$17.58

Square Micro End Mills

S08

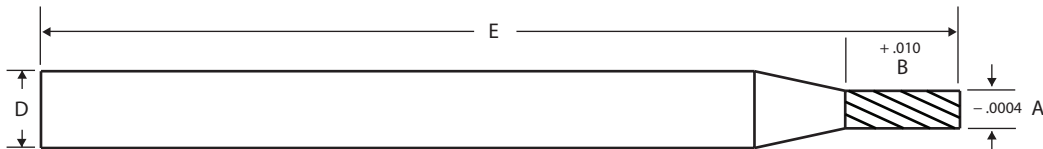
**FLUTES
2,3,4**

**3X
LENGTH
OF CUT**

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E					
0.085	0.255	0.125	1.50	S08-085-2-SEM	S08-085-3-SEM	S08-085-4-SEM	\$15.27	\$17.58
0.090	0.270	0.125	1.50	S08-090-2-SEM	S08-090-3-SEM	S08-090-4-SEM	\$15.27	\$17.58
0.093 (3/32)	0.279	0.125	1.50	S08-093-2-SEM	S08-093-3-SEM	S08-093-4-SEM	\$15.27	\$17.58
0.095	0.285	0.125	1.50	S08-095-2-SEM	S08-095-3-SEM	S08-095-4-SEM	\$15.27	\$17.58
0.100	0.300	0.125	1.50	S08-100-2-SEM	S08-100-3-SEM	S08-100-4-SEM	\$15.27	\$17.58
0.105	0.315	0.125	1.50	S08-105-2-SEM	S08-105-3-SEM	S08-105-4-SEM	\$15.27	\$17.58
0.110	0.330	0.125	1.50	S08-110-2-SEM	S08-110-3-SEM	S08-110-4-SEM	\$15.27	\$17.58
0.115	0.345	0.125	1.50	S08-115-2-SEM	S08-115-3-SEM	S08-115-4-SEM	\$15.27	\$17.58
0.118 (3mm)	0.354	0.125	1.50	S08-118-2-SEM	S08-118-3-SEM	S08-118-4-SEM	\$15.27	\$17.58
0.120	0.360	0.125	1.50	S08-120-2-SEM	S08-120-3-SEM	S08-120-4-SEM	\$15.27	\$17.58
0.125 (1/8)	0.375	0.125	1.50	S08-125-2-SEM	S08-125-3-SEM	S08-125-4-SEM	\$15.27	\$17.58



MANUFACTURED BY MITGI: Approval Based Sample Program

**No one makes better tools than MITGI.
We're so confident that we encourage you to
give them a try on approval.**

In most cases, the Approval Based Sample Program allows you to order a standard tool and give it a try before placing the full order. This lets you see the catalog tool in action, allows you to compare it to the tools of our competitors, and helps determine whether it matches the specifications required for your project.

Ready to get started? See page 2 for contact information.



S62

Square Micro End Mills

FLUTES
2,3,4

5X
LENGTH
OF CUT

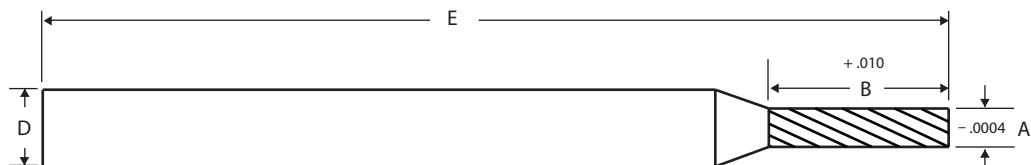
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.010	0.050	0.125	2.50	S62-010-2-SQ5X	N/A	N/A	\$32.69	\$35.00
0.015 (1/64)	0.075	0.125	2.50	S62-015-2-SQ5X	S62-015-3-SQ5X	S62-015-4-SQ5X	\$30.49	\$32.80
0.020	0.100	0.125	2.50	S62-020-2-SQ5X	S62-020-3-SQ5X	S62-020-4-SQ5X	\$26.33	\$28.64
0.025	0.125	0.125	2.50	S62-025-2-SQ5X	S62-025-3-SQ5X	S62-025-4-SQ5X	\$25.18	\$27.49
0.030	0.150	0.125	2.50	S62-030-2-SQ5X	S62-030-3-SQ5X	S62-030-4-SQ5X	\$25.18	\$27.49
0.031 (1/32)	0.155	0.125	2.50	S62-031-2-SQ5X	S62-031-3-SQ5X	S62-031-4-SQ5X	\$24.26	\$26.57
0.035	0.175	0.125	2.50	S62-035-2-SQ5X	S62-035-3-SQ5X	S62-035-4-SQ5X	\$24.26	\$26.57
0.039 (1mm)	0.195	0.125	2.50	S62-039-2-SQ5X	S62-039-3-SQ5X	S62-039-4-SQ5X	\$24.26	\$26.57
0.040	0.200	0.125	2.50	S62-040-2-SQ5X	S62-040-3-SQ5X	S62-040-4-SQ5X	\$24.26	\$26.57
0.045	0.225	0.125	2.50	S62-045-2-SQ5X	S62-045-3-SQ5X	S62-045-4-SQ5X	\$23.68	\$25.99
0.047 (3/64)	0.235	0.125	2.50	S62-047-2-SQ5X	S62-047-3-SQ5X	S62-047-4-SQ5X	\$23.68	\$25.99
0.050	0.250	0.125	2.50	S62-050-2-SQ5X	S62-050-3-SQ5X	S62-050-4-SQ5X	\$23.68	\$25.99
0.055	0.275	0.125	2.50	S62-055-2-SQ5X	S62-055-3-SQ5X	S62-055-4-SQ5X	\$21.84	\$24.15
0.060	0.300	0.125	2.50	S62-060-2-SQ5X	S62-060-3-SQ5X	S62-060-4-SQ5X	\$21.84	\$24.15
0.062 (1/16)	0.310	0.125	2.50	S62-062-2-SQ5X	S62-062-3-SQ5X	S62-062-4-SQ5X	\$21.84	\$24.15
0.065	0.325	0.125	2.50	S62-065-2-SQ5X	S62-065-3-SQ5X	S62-065-4-SQ5X	\$21.84	\$24.15
0.070	0.350	0.125	2.50	S62-070-2-SQ5X	S62-070-3-SQ5X	S62-070-4-SQ5X	\$21.84	\$24.15
0.075	0.375	0.125	2.50	S62-075-2-SQ5X	S62-075-3-SQ5X	S62-075-4-SQ5X	\$21.84	\$24.15
0.078 (5/64)	0.390	0.125	2.50	S62-078-2-SQ5X	S62-078-3-SQ5X	S62-078-4-SQ5X	\$21.84	\$24.15
0.080	0.400	0.125	2.50	S62-080-2-SQ5X	S62-080-3-SQ5X	S62-080-4-SQ5X	\$21.84	\$24.15
0.085	0.425	0.125	2.50	S62-085-2-SQ5X	S62-085-3-SQ5X	S62-085-4-SQ5X	\$21.84	\$24.15
0.090	0.450	0.125	2.50	S62-090-2-SQ5X	S62-090-3-SQ5X	S62-090-4-SQ5X	\$21.84	\$24.15
0.093 (3/32)	0.465	0.125	2.50	S62-093-2-SQ5X	S62-093-3-SQ5X	S62-093-4-SQ5X	\$21.84	\$24.15
0.095	0.475	0.125	2.50	S62-095-2-SQ5X	S62-095-3-SQ5X	S62-095-4-SQ5X	\$21.84	\$24.15
0.100	0.500	0.125	2.50	S62-100-2-SQ5X	S62-100-3-SQ5X	S62-100-4-SQ5X	\$21.60	\$23.91
0.105	0.525	0.125	2.50	S62-105-2-SQ5X	S62-105-3-SQ5X	S62-105-4-SQ5X	\$21.60	\$23.91
0.118 (3mm)	0.590	0.125	2.50	S62-118-2-SQ5X	S62-118-3-SQ5X	S62-118-4-SQ5X	\$21.60	\$23.91
0.125 (1/8)	0.625	0.125	2.50	S62-125-2-SQ5X	S62-125-3-SQ5X	S62-125-4-SQ5X	\$21.60	\$23.91



Square Micro End Mills

S63

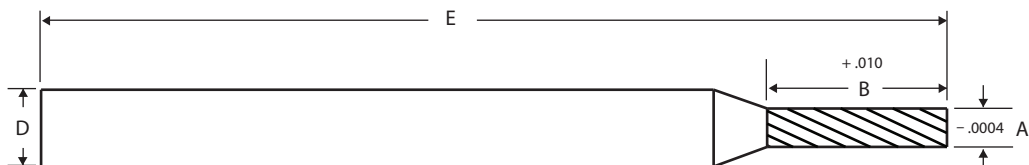
**FLUTES
2,3,4**

**8X
LENGTH
OF CUT**

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.010	0.080	0.125	2.50	S63-010-2-SQ8X	N/A	N/A	\$59.14	\$61.45
0.015 (1/64)	0.120	0.125	2.50	S63-015-2-SQ8X	S63-015-3-SQ8X	S63-015-4-SQ8X	\$54.75	\$57.06
0.020	0.160	0.125	2.50	S63-020-2-SQ8X	S63-020-3-SQ8X	S63-020-4-SQ8X	\$50.41	\$52.72
0.025	0.200	0.125	2.50	S63-025-2-SQ8X	S63-025-3-SQ8X	S63-025-4-SQ8X	\$50.41	\$52.72
0.030	0.240	0.125	2.50	S63-030-2-SQ8X	S63-030-3-SQ8X	S63-030-4-SQ8X	\$50.41	\$52.72
0.031 (1/32)	0.248	0.125	2.50	S63-031-2-SQ8X	S63-031-3-SQ8X	S63-031-4-SQ8X	\$50.41	\$52.72
0.035	0.280	0.125	2.50	S63-035-2-SQ8X	S63-035-3-SQ8X	S63-035-4-SQ8X	\$50.41	\$52.72
0.039 (1mm)	0.312	0.125	2.50	S63-039-2-SQ8X	S63-039-3-SQ8X	S63-039-4-SQ8X	\$50.41	\$52.72
0.040	0.320	0.125	2.50	S63-040-2-SQ8X	S63-040-3-SQ8X	S63-040-4-SQ8X	\$50.41	\$52.72
0.045	0.360	0.125	2.50	S63-045-2-SQ8X	S63-045-3-SQ8X	S63-045-4-SQ8X	\$50.41	\$52.72
0.047 (3/64)	0.376	0.125	2.50	S63-047-2-SQ8X	S63-047-3-SQ8X	S63-047-4-SQ8X	\$50.41	\$52.72
0.050	0.400	0.125	2.50	S63-050-2-SQ8X	S63-050-3-SQ8X	S63-050-4-SQ8X	\$36.16	\$38.47
0.055	0.440	0.125	2.50	S63-055-2-SQ8X	S63-055-3-SQ8X	S63-055-4-SQ8X	\$36.16	\$38.47
0.060	0.480	0.125	2.50	S63-060-2-SQ8X	S63-060-3-SQ8X	S63-060-4-SQ8X	\$36.16	\$38.47
0.062 (1/16)	0.496	0.125	2.50	S63-062-2-SQ8X	S63-062-3-SQ8X	S63-062-4-SQ8X	\$36.16	\$38.47
0.065	0.520	0.125	2.50	S63-065-2-SQ8X	S63-065-3-SQ8X	S63-065-4-SQ8X	\$32.11	\$34.42
0.070	0.560	0.125	2.50	S63-070-2-SQ8X	S63-070-3-SQ8X	S63-070-4-SQ8X	\$32.11	\$34.42
0.075	0.600	0.125	2.50	S63-075-2-SQ8X	S63-075-3-SQ8X	S63-075-4-SQ8X	\$28.18	\$30.49
0.078 (5/64)	0.624	0.125	2.50	S63-078-2-SQ8X	S63-078-3-SQ8X	S63-078-4-SQ8X	\$28.18	\$30.49
0.080	0.640	0.125	2.50	S63-080-2-SQ8X	S63-080-3-SQ8X	S63-080-4-SQ8X	\$28.18	\$30.49
0.085	0.680	0.125	2.50	S63-085-2-SQ8X	S63-085-3-SQ8X	S63-085-4-SQ8X	\$25.70	\$28.01
0.090	0.720	0.125	2.50	S63-090-2-SQ8X	S63-090-3-SQ8X	S63-090-4-SQ8X	\$25.70	\$28.01
0.093 (3/32)	0.744	0.125	2.50	S63-093-2-SQ8X	S63-093-3-SQ8X	S63-093-4-SQ8X	\$25.70	\$28.01
0.095	0.760	0.125	2.50	S63-095-2-SQ8X	S63-095-3-SQ8X	S63-095-4-SQ8X	\$25.70	\$28.01
0.100	0.800	0.125	2.50	S63-100-2-SQ8X	S63-100-3-SQ8X	S63-100-4-SQ8X	\$25.70	\$28.01
0.109 (7/64)	0.872	0.125	2.50	S63-109-2-SQ8X	S63-109-3-SQ8X	S63-109-4-SQ8X	\$25.70	\$28.01
0.118 (3mm)	0.944	0.125	2.50	S63-118-2-SQ8X	S63-118-3-SQ8X	S63-118-4-SQ8X	\$25.41	\$27.72
0.125 (1/8)	1.000	0.125	2.50	S63-125-2-SQ8X	S63-125-3-SQ8X	S63-125-4-SQ8X	\$25.41	\$27.72



CONTACT US

P. 2

MITGI is open from 8 AM - 4 PM Central Time. We can be reached any time by email or web. See page 2 for more information about ordering and ways to contact us.



MADE IN THE USA

MANUFACTURED BY MITGI

PHONE: (320) 455-0535

WWW.MITGI.US

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S64

Square Micro End Mills

FLUTES
2,3,4

12X
LENGTH
OF CUT

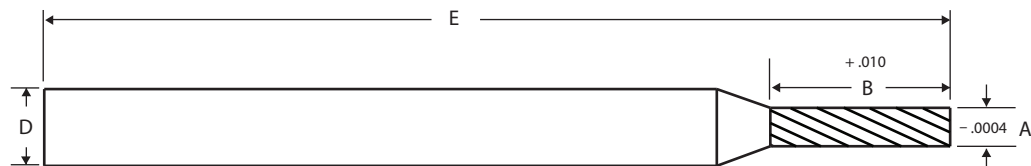
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.015 (1/64)	0.180	0.125	2.50	S64-015-2-SQ12X	S64-015-3-SQ12X	S64-015-4-SQ12X	\$70.22	\$72.53
0.020	0.240	0.125	2.50	S64-020-2-SQ12X	S64-020-3-SQ12X	S64-020-4-SQ12X	\$67.11	\$69.42
0.025	0.300	0.125	2.50	S64-025-2-SQ12X	S64-025-3-SQ12X	S64-025-4-SQ12X	\$59.49	\$61.80
0.030	0.360	0.125	2.50	S64-030-2-SQ12X	S64-030-3-SQ12X	S64-030-4-SQ12X	\$56.83	\$59.14
0.031 (1/32)	0.372	0.125	2.50	S64-031-2-SQ12X	S64-031-3-SQ12X	S64-031-4-SQ12X	\$56.83	\$59.14
0.035	0.420	0.125	2.50	S64-035-2-SQ12X	S64-035-3-SQ12X	S64-035-4-SQ12X	\$56.83	\$59.14
0.039 (1mm)	0.468	0.125	2.50	S64-039-2-SQ12X	S64-039-3-SQ12X	S64-039-4-SQ12X	\$56.83	\$59.14
0.040	0.480	0.125	2.50	S64-040-2-SQ12X	S64-040-3-SQ12X	S64-040-4-SQ12X	\$56.83	\$59.14
0.045	0.540	0.125	2.50	S64-045-2-SQ12X	S64-045-3-SQ12X	S64-045-4-SQ12X	\$56.83	\$59.14
0.047 (3/64)	0.564	0.125	2.50	S64-047-2-SQ12X	S64-047-3-SQ12X	S64-047-4-SQ12X	\$56.60	\$58.91
0.050	0.600	0.125	2.50	S64-050-2-SQ12X	S64-050-3-SQ12X	S64-050-4-SQ12X	\$56.60	\$58.91
0.055	0.660	0.125	2.50	S64-055-2-SQ12X	S64-055-3-SQ12X	S64-055-4-SQ12X	\$52.10	\$54.41
0.060	0.720	0.125	2.50	S64-060-2-SQ12X	S64-060-3-SQ12X	S64-060-4-SQ12X	\$52.10	\$54.41
0.062 (1/16)	0.744	0.125	2.50	S64-062-2-SQ12X	S64-062-3-SQ12X	S64-062-4-SQ12X	\$45.74	\$48.05
0.065	0.780	0.125	2.50	S64-065-2-SQ12X	S64-065-3-SQ12X	S64-065-4-SQ12X	\$45.74	\$48.05
0.070	0.840	0.125	2.50	S64-070-2-SQ12X	S64-070-3-SQ12X	S64-070-4-SQ12X	\$45.74	\$48.05
0.075	0.900	0.125	2.50	S64-075-2-SQ12X	S64-075-3-SQ12X	S64-075-4-SQ12X	\$45.74	\$48.05
0.078 (5/64)	0.936	0.125	2.50	S64-078-2-SQ12X	S64-078-3-SQ12X	S64-078-4-SQ12X	\$45.10	\$47.41
0.080	0.960	0.125	2.50	S64-080-2-SQ12X	S64-080-3-SQ12X	S64-080-4-SQ12X	\$45.10	\$47.41
0.085	1.020	0.125	2.50	S64-085-2-SQ12X	S64-085-3-SQ12X	S64-085-4-SQ12X	\$45.10	\$47.41
0.090	1.080	0.125	2.50	S64-090-2-SQ12X	S64-090-3-SQ12X	S64-090-4-SQ12X	\$45.10	\$47.41
0.093 (3/32)	1.116	0.125	2.50	S64-093-2-SQ12X	S64-093-3-SQ12X	S64-093-4-SQ12X	\$44.35	\$46.66
0.095	1.140	0.125	2.50	S64-095-2-SQ12X	S64-095-3-SQ12X	S64-095-4-SQ12X	\$44.35	\$46.66
0.100	1.200	0.125	2.50	S64-100-2-SQ12X	S64-100-3-SQ12X	S64-100-4-SQ12X	\$44.35	\$46.66
0.118 (3mm)	1.416	0.125	2.50	S64-118-2-SQ12X	S64-118-3-SQ12X	S64-118-4-SQ12X	\$44.35	\$46.66
0.125 (1/8)	1.500	0.125	2.50	S64-125-2-SQ12X	S64-125-3-SQ12X	S64-125-4-SQ12X	\$44.35	\$46.66





MANUFACTURED BY MITGI: Overall Lengths for Swiss-type Tooling

On-site manufacturing provides MITGI with many advantages, one of which includes the ability to quickly change the overall length of standard tools. For shops utilizing Swiss-type machines, a shorter overall length than offered as part of our standard tool line may be required.

Many tools found in our standard micro lines are now available in a shorter overall length upon request. Prices remain the same as noted in product tables.

QUALIFYING CATEGORIES

Tool categories that may qualify for Swiss-type overall length options are marked throughout the catalog with an icon. Qualifying categories are noted below.

MICRO TOOLS

- Micro End Mills
- High Performance Micro End Mills
- Metric Micro End Mills
- Micro Drills
- Micro Reamers



TOOLS FOR SWISS MACHINING

GETTING STARTED

To place an order for standard tools with a Swiss-type OAL, simply contact MITGI. Use the standard tool part number noted in the catalog and designate your preference for a shorter overall length optimized for Swiss machining.



*Top: Standard catalog tool
Bottom: Standard tool with Swiss-type OAL*

Ready to place an order?

Contact us:
Phone: (320) 455-0535
Email: info@mitgi.us
Web: www.mitgi.us



S71

Square Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

5X
REACH

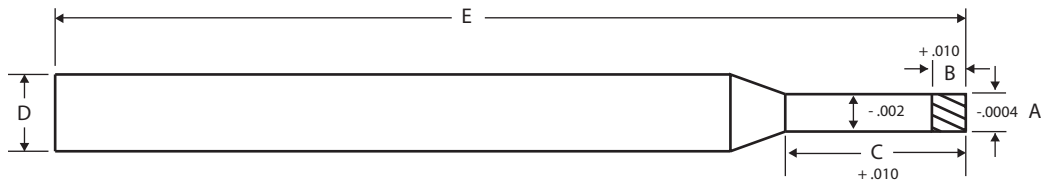
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.015	0.050	0.125	2.50	S71-010-2-SSQ5XR	N/A	N/A	\$39.50	\$41.81
0.015 (1/64)	0.023	0.075	0.125	2.50	S71-015-2-SSQ5XR	S71-015-3-SSQ5XR	S71-015-4-SSQ5XR	\$35.23	\$37.54
0.020	0.030	0.100	0.125	2.50	S71-020-2-SSQ5XR	S71-020-3-SSQ5XR	S71-020-4-SSQ5XR	\$32.69	\$35.00
0.025	0.038	0.125	0.125	2.50	S71-025-2-SSQ5XR	S71-025-3-SSQ5XR	S71-025-4-SSQ5XR	\$32.69	\$35.00
0.030	0.045	0.150	0.125	2.50	S71-030-2-SSQ5XR	S71-030-3-SSQ5XR	S71-030-4-SSQ5XR	\$32.69	\$35.00
0.031 (1/32)	0.047	0.155	0.125	2.50	S71-031-2-SSQ5XR	S71-031-3-SSQ5XR	S71-031-4-SSQ5XR	\$32.69	\$35.00
0.035	0.053	0.175	0.125	2.50	S71-035-2-SSQ5XR	S71-035-3-SSQ5XR	S71-035-4-SSQ5XR	\$31.31	\$33.62
0.039 (1mm)	0.059	0.195	0.125	2.50	S71-039-2-SSQ5XR	S71-039-3-SSQ5XR	S71-039-4-SSQ5XR	\$31.31	\$33.62
0.040	0.060	0.200	0.125	2.50	S71-040-2-SSQ5XR	S71-040-3-SSQ5XR	S71-040-4-SSQ5XR	\$31.31	\$33.62
0.045	0.068	0.225	0.125	2.50	S71-045-2-SSQ5XR	S71-045-3-SSQ5XR	S71-045-4-SSQ5XR	\$31.31	\$33.62
0.047 (3/64)	0.071	0.235	0.125	2.50	S71-047-2-SSQ5XR	S71-047-3-SSQ5XR	S71-047-4-SSQ5XR	\$31.31	\$33.62
0.050	0.075	0.250	0.125	2.50	S71-050-2-SSQ5XR	S71-050-3-SSQ5XR	S71-050-4-SSQ5XR	\$31.31	\$33.62
0.055	0.083	0.275	0.125	2.50	S71-055-2-SSQ5XR	S71-055-3-SSQ5XR	S71-055-4-SSQ5XR	\$31.31	\$33.62
0.060	0.090	0.300	0.125	2.50	S71-060-2-SSQ5XR	S71-060-3-SSQ5XR	S71-060-4-SSQ5XR	\$31.31	\$33.62
0.062 (1/16)	0.093	0.310	0.125	2.50	S71-062-2-SSQ5XR	S71-062-3-SSQ5XR	S71-062-4-SSQ5XR	\$31.31	\$33.62
0.065	0.098	0.325	0.125	2.50	S71-065-2-SSQ5XR	S71-065-3-SSQ5XR	S71-065-4-SSQ5XR	\$31.31	\$33.62
0.070	0.105	0.350	0.125	2.50	S71-070-2-SSQ5XR	S71-070-3-SSQ5XR	S71-070-4-SSQ5XR	\$29.92	\$32.23
0.075	0.113	0.375	0.125	2.50	S71-075-2-SSQ5XR	S71-075-3-SSQ5XR	S71-075-4-SSQ5XR	\$29.92	\$32.23
0.078 (5/64)	0.117	0.390	0.125	2.50	S71-078-2-SSQ5XR	S71-078-3-SSQ5XR	S71-078-4-SSQ5XR	\$29.92	\$32.23
0.080	0.120	0.400	0.125	2.50	S71-080-2-SSQ5XR	S71-080-3-SSQ5XR	S71-080-4-SSQ5XR	\$29.92	\$32.23
0.085	0.128	0.425	0.125	2.50	S71-085-2-SSQ5XR	S71-085-3-SSQ5XR	S71-085-4-SSQ5XR	\$29.92	\$32.23
0.090	0.135	0.450	0.125	2.50	S71-090-2-SSQ5XR	S71-090-3-SSQ5XR	S71-090-4-SSQ5XR	\$29.92	\$32.23
0.093 (3/32)	0.140	0.465	0.125	2.50	S71-093-2-SSQ5XR	S71-093-3-SSQ5XR	S71-093-4-SSQ5XR	\$29.92	\$32.23
0.095	0.143	0.475	0.125	2.50	S71-095-2-SSQ5XR	S71-095-3-SSQ5XR	S71-095-4-SSQ5XR	\$29.92	\$32.23
0.100	0.150	0.500	0.125	2.50	S71-100-2-SSQ5XR	S71-100-3-SSQ5XR	S71-100-4-SSQ5XR	\$29.92	\$32.23
0.118 (3mm)	0.177	0.590	0.125	2.50	S71-118-2-SSQ5XR	S71-118-3-SSQ5XR	S71-118-4-SSQ5XR	\$29.92	\$32.23
0.125 (1/8)	0.188	0.625	0.125	2.50	S71-125-2-SSQ5XR	S71-125-3-SSQ5XR	S71-125-4-SSQ5XR	\$29.92	\$32.23

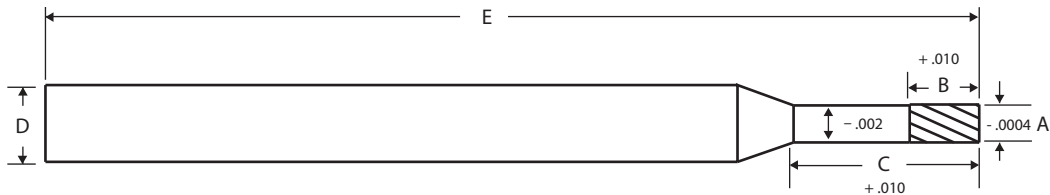


Square Micro End Mills

S68
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
**5X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.030	0.050	0.125	2.50	S68-010-2-SQ5XR	N/A	N/A	\$39.50	\$41.81
0.015 (1/64)	0.045	0.075	0.125	2.50	S68-015-2-SQ5XR	S68-015-3-SQ5XR	S68-015-4-SQ5XR	\$35.23	\$37.54
0.020	0.060	0.100	0.125	2.50	S68-020-2-SQ5XR	S68-020-3-SQ5XR	S68-020-4-SQ5XR	\$32.69	\$35.00
0.025	0.075	0.125	0.125	2.50	S68-025-2-SQ5XR	S68-025-3-SQ5XR	S68-025-4-SQ5XR	\$32.69	\$35.00
0.030	0.090	0.150	0.125	2.50	S68-030-2-SQ5XR	S68-030-3-SQ5XR	S68-030-4-SQ5XR	\$32.69	\$35.00
0.031 (1/32)	0.093	0.155	0.125	2.50	S68-031-2-SQ5XR	S68-031-3-SQ5XR	S68-031-4-SQ5XR	\$32.69	\$35.00
0.035	0.105	0.175	0.125	2.50	S68-035-2-SQ5XR	S68-035-3-SQ5XR	S68-035-4-SQ5XR	\$31.31	\$33.62
0.039 (1mm)	0.117	0.195	0.125	2.50	S68-039-2-SQ5XR	S68-039-3-SQ5XR	S68-039-4-SQ5XR	\$31.31	\$33.62
0.040	0.120	0.200	0.125	2.50	S68-040-2-SQ5XR	S68-040-3-SQ5XR	S68-040-4-SQ5XR	\$31.31	\$33.62
0.045	0.135	0.225	0.125	2.50	S68-045-2-SQ5XR	S68-045-3-SQ5XR	S68-045-4-SQ5XR	\$31.31	\$33.62
0.047 (3/64)	0.141	0.235	0.125	2.50	S68-047-2-SQ5XR	S68-047-3-SQ5XR	S68-047-4-SQ5XR	\$31.31	\$33.62
0.050	0.150	0.250	0.125	2.50	S68-050-2-SQ5XR	S68-050-3-SQ5XR	S68-050-4-SQ5XR	\$31.31	\$33.62
0.055	0.165	0.275	0.125	2.50	S68-055-2-SQ5XR	S68-055-3-SQ5XR	S68-055-4-SQ5XR	\$31.31	\$33.62
0.060	0.180	0.300	0.125	2.50	S68-060-2-SQ5XR	S68-060-3-SQ5XR	S68-060-4-SQ5XR	\$31.31	\$33.62
0.062 (1/16)	0.186	0.310	0.125	2.50	S68-062-2-SQ5XR	S68-062-3-SQ5XR	S68-062-4-SQ5XR	\$31.31	\$33.62
0.065	0.195	0.325	0.125	2.50	S68-065-2-SQ5XR	S68-065-3-SQ5XR	S68-065-4-SQ5XR	\$31.31	\$33.62
0.070	0.210	0.350	0.125	2.50	S68-070-2-SQ5XR	S68-070-3-SQ5XR	S68-070-4-SQ5XR	\$29.92	\$32.23
0.075	0.225	0.375	0.125	2.50	S68-075-2-SQ5XR	S68-075-3-SQ5XR	S68-075-4-SQ5XR	\$29.92	\$32.23
0.078 (5/64)	0.234	0.390	0.125	2.50	S68-078-2-SQ5XR	S68-078-3-SQ5XR	S68-078-4-SQ5XR	\$29.92	\$32.23
0.080	0.240	0.400	0.125	2.50	S68-080-2-SQ5XR	S68-080-3-SQ5XR	S68-080-4-SQ5XR	\$29.92	\$32.23
0.085	0.255	0.425	0.125	2.50	S68-085-2-SQ5XR	S68-085-3-SQ5XR	S68-085-4-SQ5XR	\$29.92	\$32.23
0.090	0.270	0.450	0.125	2.50	S68-090-2-SQ5XR	S68-090-3-SQ5XR	S68-090-4-SQ5XR	\$29.92	\$32.23
0.093 (3/32)	0.279	0.465	0.125	2.50	S68-093-2-SQ5XR	S68-093-3-SQ5XR	S68-093-4-SQ5XR	\$29.92	\$32.23
0.095	0.285	0.475	0.125	2.50	S68-095-2-SQ5XR	S68-095-3-SQ5XR	S68-095-4-SQ5XR	\$29.92	\$32.23
0.100	0.300	0.500	0.125	2.50	S68-100-2-SQ5XR	S68-100-3-SQ5XR	S68-100-4-SQ5XR	\$29.92	\$32.23
0.118 (3mm)	0.354	0.590	0.125	2.50	S68-118-2-SQ5XR	S68-118-3-SQ5XR	S68-118-4-SQ5XR	\$29.92	\$32.23
0.125 (1/8)	0.375	0.625	0.125	2.50	S68-125-2-SQ5XR	S68-125-3-SQ5XR	S68-125-4-SQ5XR	\$29.92	\$32.23



Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.



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15

S72

Square Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

8X
REACH

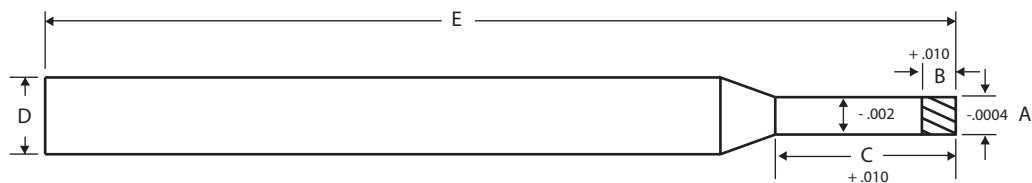
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E					
0.010	0.015	0.080	0.125	2.50	S72-010-2-SSQ8XR	N/A	N/A	\$41.81	\$44.12
0.015 (1/64)	0.023	0.120	0.125	2.50	S72-015-2-SSQ8XR	S72-015-3-SSQ8XR	S72-015-4-SSQ8XR	\$35.23	\$37.54
0.020	0.030	0.160	0.125	2.50	S72-020-2-SSQ8XR	S72-020-3-SSQ8XR	S72-020-4-SSQ8XR	\$32.86	\$35.17
0.025	0.038	0.200	0.125	2.50	S72-025-2-SSQ8XR	S72-025-3-SSQ8XR	S72-025-4-SSQ8XR	\$32.86	\$35.17
0.030	0.045	0.240	0.125	2.50	S72-030-2-SSQ8XR	S72-030-3-SSQ8XR	S72-030-4-SSQ8XR	\$32.86	\$35.17
0.031 (1/32)	0.047	0.248	0.125	2.50	S72-031-2-SSQ8XR	S72-031-3-SSQ8XR	S72-031-4-SSQ8XR	\$32.86	\$35.17
0.035	0.053	0.280	0.125	2.50	S72-035-2-SSQ8XR	S72-035-3-SSQ8XR	S72-035-4-SSQ8XR	\$31.31	\$33.62
0.039 (1mm)	0.059	0.312	0.125	2.50	S72-039-2-SSQ8XR	S72-039-3-SSQ8XR	S72-039-4-SSQ8XR	\$31.31	\$33.62
0.040	0.060	0.320	0.125	2.50	S72-040-2-SSQ8XR	S72-040-3-SSQ8XR	S72-040-4-SSQ8XR	\$31.31	\$33.62
0.045	0.068	0.360	0.125	2.50	S72-045-2-SSQ8XR	S72-045-3-SSQ8XR	S72-045-4-SSQ8XR	\$31.31	\$33.62
0.047 (3/64)	0.071	0.376	0.125	2.50	S72-047-2-SSQ8XR	S72-047-3-SSQ8XR	S72-047-4-SSQ8XR	\$31.31	\$33.62
0.050	0.075	0.400	0.125	2.50	S72-050-2-SSQ8XR	S72-050-3-SSQ8XR	S72-050-4-SSQ8XR	\$31.31	\$33.62
0.055	0.083	0.440	0.125	2.50	S72-055-2-SSQ8XR	S72-055-3-SSQ8XR	S72-055-4-SSQ8XR	\$31.31	\$33.62
0.060	0.090	0.480	0.125	2.50	S72-060-2-SSQ8XR	S72-060-3-SSQ8XR	S72-060-4-SSQ8XR	\$31.31	\$33.62
0.062 (1/16)	0.093	0.496	0.125	2.50	S72-062-2-SSQ8XR	S72-062-3-SSQ8XR	S72-062-4-SSQ8XR	\$31.31	\$33.62
0.065	0.098	0.520	0.125	2.50	S72-065-2-SSQ8XR	S72-065-3-SSQ8XR	S72-065-4-SSQ8XR	\$31.31	\$33.62
0.070	0.105	0.560	0.125	2.50	S72-070-2-SSQ8XR	S72-070-3-SSQ8XR	S72-070-4-SSQ8XR	\$29.92	\$32.23
0.075	0.113	0.600	0.125	2.50	S72-075-2-SSQ8XR	S72-075-3-SSQ8XR	S72-075-4-SSQ8XR	\$29.92	\$32.23
0.078 (5/64)	0.117	0.624	0.125	2.50	S72-078-2-SSQ8XR	S72-078-3-SSQ8XR	S72-078-4-SSQ8XR	\$29.92	\$32.23
0.080	0.120	0.640	0.125	2.50	S72-080-2-SSQ8XR	S72-080-3-SSQ8XR	S72-080-4-SSQ8XR	\$29.92	\$32.23
0.085	0.128	0.680	0.125	2.50	S72-085-2-SSQ8XR	S72-085-3-SSQ8XR	S72-085-4-SSQ8XR	\$29.92	\$32.23
0.090	0.135	0.720	0.125	2.50	S72-090-2-SSQ8XR	S72-090-3-SSQ8XR	S72-090-4-SSQ8XR	\$29.92	\$32.23
0.093 (3/32)	0.140	0.744	0.125	2.50	S72-093-2-SSQ8XR	S72-093-3-SSQ8XR	S72-093-4-SSQ8XR	\$29.92	\$32.23
0.095	0.143	0.760	0.125	2.50	S72-095-2-SSQ8XR	S72-095-3-SSQ8XR	S72-095-4-SSQ8XR	\$29.92	\$32.23
0.100	0.150	0.800	0.125	2.50	S72-100-2-SSQ8XR	S72-100-3-SSQ8XR	S72-100-4-SSQ8XR	\$29.92	\$32.23
0.118 (3mm)	0.177	0.944	0.125	2.50	S72-118-2-SSQ8XR	S72-118-3-SSQ8XR	S72-118-4-SSQ8XR	\$29.92	\$32.23
0.125 (1/8)	0.188	1.000	0.125	2.50	S72-125-2-SSQ8XR	S72-125-3-SSQ8XR	S72-125-4-SSQ8XR	\$29.92	\$32.23



Square Micro End Mills

S69

FLUTES
2,3,4

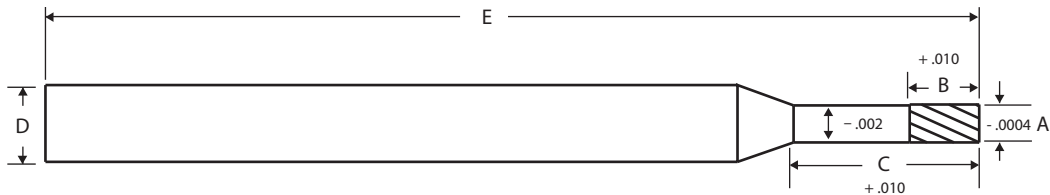
3X
LENGTH
OF CUT

8X
REACH

+

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.030	0.080	0.125	2.50	S69-010-2-SQ8XR	N/A	N/A	\$41.81	\$44.12
0.015 (1/64)	0.045	0.120	0.125	2.50	S69-015-2-SQ8XR	S69-015-3-SQ8XR	S69-015-4-SQ8XR	\$35.23	\$37.54
0.020	0.060	0.160	0.125	2.50	S69-020-2-SQ8XR	S69-020-3-SQ8XR	S69-020-4-SQ8XR	\$32.86	\$35.17
0.025	0.075	0.200	0.125	2.50	S69-025-2-SQ8XR	S69-025-3-SQ8XR	S69-025-4-SQ8XR	\$32.86	\$35.17
0.030	0.090	0.240	0.125	2.50	S69-030-2-SQ8XR	S69-030-3-SQ8XR	S69-030-4-SQ8XR	\$32.86	\$35.17
0.031 (1/32)	0.093	0.248	0.125	2.50	S69-031-2-SQ8XR	S69-031-3-SQ8XR	S69-031-4-SQ8XR	\$32.86	\$35.17
0.035	0.105	0.280	0.125	2.50	S69-035-2-SQ8XR	S69-035-3-SQ8XR	S69-035-4-SQ8XR	\$31.31	\$33.62
0.039 (1mm)	0.117	0.312	0.125	2.50	S69-039-2-SQ8XR	S69-039-3-SQ8XR	S69-039-4-SQ8XR	\$31.31	\$33.62
0.040	0.120	0.320	0.125	2.50	S69-040-2-SQ8XR	S69-040-3-SQ8XR	S69-040-4-SQ8XR	\$31.31	\$33.62
0.045	0.135	0.360	0.125	2.50	S69-045-2-SQ8XR	S69-045-3-SQ8XR	S69-045-4-SQ8XR	\$31.31	\$33.62
0.047 (3/64)	0.141	0.376	0.125	2.50	S69-047-2-SQ8XR	S69-047-3-SQ8XR	S69-047-4-SQ8XR	\$31.31	\$33.62
0.050	0.150	0.400	0.125	2.50	S69-050-2-SQ8XR	S69-050-3-SQ8XR	S69-050-4-SQ8XR	\$31.31	\$33.62
0.055	0.165	0.440	0.125	2.50	S69-055-2-SQ8XR	S69-055-3-SQ8XR	S69-055-4-SQ8XR	\$31.31	\$33.62
0.060	0.180	0.480	0.125	2.50	S69-060-2-SQ8XR	S69-060-3-SQ8XR	S69-060-4-SQ8XR	\$31.31	\$33.62
0.062 (1/16)	0.186	0.496	0.125	2.50	S69-062-2-SQ8XR	S69-062-3-SQ8XR	S69-062-4-SQ8XR	\$31.31	\$33.62
0.065	0.195	0.520	0.125	2.50	S69-065-2-SQ8XR	S69-065-3-SQ8XR	S69-065-4-SQ8XR	\$31.31	\$33.62
0.070	0.210	0.560	0.125	2.50	S69-070-2-SQ8XR	S69-070-3-SQ8XR	S69-070-4-SQ8XR	\$29.92	\$32.23
0.075	0.225	0.600	0.125	2.50	S69-075-2-SQ8XR	S69-075-3-SQ8XR	S69-075-4-SQ8XR	\$29.92	\$32.23
0.078 (5/64)	0.234	0.624	0.125	2.50	S69-078-2-SQ8XR	S69-078-3-SQ8XR	S69-078-4-SQ8XR	\$29.92	\$32.23
0.080	0.240	0.640	0.125	2.50	S69-080-2-SQ8XR	S69-080-3-SQ8XR	S69-080-4-SQ8XR	\$29.92	\$32.23
0.085	0.255	0.680	0.125	2.50	S69-085-2-SQ8XR	S69-085-3-SQ8XR	S69-085-4-SQ8XR	\$29.92	\$32.23
0.090	0.270	0.720	0.125	2.50	S69-090-2-SQ8XR	S69-090-3-SQ8XR	S69-090-4-SQ8XR	\$29.92	\$32.23
0.093 (3/32)	0.279	0.744	0.125	2.50	S69-093-2-SQ8XR	S69-093-3-SQ8XR	S69-093-4-SQ8XR	\$29.92	\$32.23
0.095	0.285	0.760	0.125	2.50	S69-095-2-SQ8XR	S69-095-3-SQ8XR	S69-095-4-SQ8XR	\$29.92	\$32.23
0.100	0.300	0.800	0.125	2.50	S69-100-2-SQ8XR	S69-100-3-SQ8XR	S69-100-4-SQ8XR	\$29.92	\$32.23
0.118 (3mm)	0.354	0.944	0.125	2.50	S69-118-2-SQ8XR	S69-118-3-SQ8XR	S69-118-4-SQ8XR	\$29.92	\$32.23
0.125 (1/8)	0.375	1.000	0.125	2.50	S69-125-2-SQ8XR	S69-125-3-SQ8XR	S69-125-4-SQ8XR	\$29.92	\$32.23



Tips on Selecting the Right Tool for the Job

Number of Flutes	Primary Uses	Ideal Cutting Materials
2-3	Tools with fewer flutes allow optimal space for chip removal when milling or slotting softer materials. Also used for roughing.	Soft materials, such as aluminum and plastics.
3-4	Adding flutes provides greater strength. Recommended for use with roughing, milling, and slotting a variety of materials. Can also be used for finishing softer materials.	Hard materials, such as stainless steel, steel, and titanium.
5 +	Ideal for use in finishing work, when using faster feed rates, and with reduced chip load.	Harder materials, such as steel, or for finishing a variety of materials.



S73

Square Micro End Mills

**FLUTES
2,3,4**

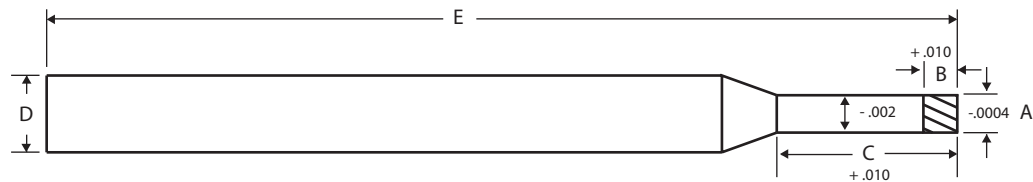
**1.5X
LENGTH
OF CUT**

**12X
REACH**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.015	0.120	0.125	2.50	S73-010-2-SSQ12XR	N/A	N/A	\$43.43	\$45.74
0.015 (1/64)	0.023	0.180	0.125	2.50	S73-015-2-SSQ12XR	S73-015-3-SSQ12XR	S73-015-4-SSQ12XR	\$36.44	\$38.75
0.020	0.030	0.240	0.125	2.50	S73-020-2-SSQ12XR	S73-020-3-SSQ12XR	S73-020-4-SSQ12XR	\$34.65	\$36.96
0.025	0.038	0.300	0.125	2.50	S73-025-2-SSQ12XR	S73-025-3-SSQ12XR	S73-025-4-SSQ12XR	\$34.65	\$36.96
0.030	0.045	0.360	0.125	2.50	S73-030-2-SSQ12XR	S73-030-3-SSQ12XR	S73-030-4-SSQ12XR	\$32.57	\$34.88
0.031 (1/32)	0.047	0.372	0.125	2.50	S73-031-2-SSQ12XR	S73-031-3-SSQ12XR	S73-031-4-SSQ12XR	\$32.57	\$34.88
0.035	0.053	0.420	0.125	2.50	S73-035-2-SSQ12XR	S73-035-3-SSQ12XR	S73-035-4-SSQ12XR	\$32.57	\$34.88
0.039 (1mm)	0.059	0.468	0.125	2.50	S73-039-2-SSQ12XR	S73-039-3-SSQ12XR	S73-039-4-SSQ12XR	\$32.57	\$34.88
0.040	0.060	0.480	0.125	2.50	S73-040-2-SSQ12XR	S73-040-3-SSQ12XR	S73-040-4-SSQ12XR	\$32.57	\$34.88
0.045	0.068	0.540	0.125	2.50	S73-045-2-SSQ12XR	S73-045-3-SSQ12XR	S73-045-4-SSQ12XR	\$32.57	\$34.88
0.047 (3/64)	0.071	0.564	0.125	2.50	S73-047-2-SSQ12XR	S73-047-3-SSQ12XR	S73-047-4-SSQ12XR	\$32.57	\$34.88
0.050	0.075	0.600	0.125	2.50	S73-050-2-SSQ12XR	S73-050-3-SSQ12XR	S73-050-4-SSQ12XR	\$32.57	\$34.88
0.055	0.083	0.660	0.125	2.50	S73-055-2-SSQ12XR	S73-055-3-SSQ12XR	S73-055-4-SSQ12XR	\$32.57	\$34.88
0.060	0.090	0.720	0.125	2.50	S73-060-2-SSQ12XR	S73-060-3-SSQ12XR	S73-060-4-SSQ12XR	\$32.57	\$34.88
0.062 (1/16)	0.093	0.744	0.125	2.50	S73-062-2-SSQ12XR	S73-062-3-SSQ12XR	S73-062-4-SSQ12XR	\$32.57	\$34.88
0.065	0.098	0.780	0.125	2.50	S73-065-2-SSQ12XR	S73-065-3-SSQ12XR	S73-065-4-SSQ12XR	\$32.57	\$34.88
0.070	0.105	0.840	0.125	2.50	S73-070-2-SSQ12XR	S73-070-3-SSQ12XR	S73-070-4-SSQ12XR	\$30.72	\$33.03
0.075	0.113	0.900	0.125	2.50	S73-075-2-SSQ12XR	S73-075-3-SSQ12XR	S73-075-4-SSQ12XR	\$30.72	\$33.03
0.078 (5/64)	0.117	0.936	0.125	2.50	S73-078-2-SSQ12XR	S73-078-3-SSQ12XR	S73-078-4-SSQ12XR	\$30.72	\$33.03
0.080	0.120	0.960	0.125	2.50	S73-080-2-SSQ12XR	S73-080-3-SSQ12XR	S73-080-4-SSQ12XR	\$30.72	\$33.03
0.085	0.128	1.020	0.125	2.50	S73-085-2-SSQ12XR	S73-085-3-SSQ12XR	S73-085-4-SSQ12XR	\$30.72	\$33.03
0.090	0.135	1.080	0.125	2.50	S73-090-2-SSQ12XR	S73-090-3-SSQ12XR	S73-090-4-SSQ12XR	\$30.72	\$33.03
0.093 (3/32)	0.140	1.116	0.125	2.50	S73-093-2-SSQ12XR	S73-093-3-SSQ12XR	S73-093-4-SSQ12XR	\$30.72	\$33.03
0.095	0.143	1.140	0.125	2.50	S73-095-2-SSQ12XR	S73-095-3-SSQ12XR	S73-095-4-SSQ12XR	\$30.72	\$33.03
0.100	0.150	1.200	0.125	2.50	S73-100-2-SSQ12XR	S73-100-3-SSQ12XR	S73-100-4-SSQ12XR	\$30.72	\$33.03
0.118 (3mm)	0.177	1.416	0.125	2.50	S73-118-2-SSQ12XR	S73-118-3-SSQ12XR	S73-118-4-SSQ12XR	\$30.72	\$33.03
0.125 (1/8)	0.187	1.500	0.125	2.50	S73-125-2-SSQ12XR	S73-125-3-SSQ12XR	S73-125-4-SSQ12XR	\$30.72	\$33.03

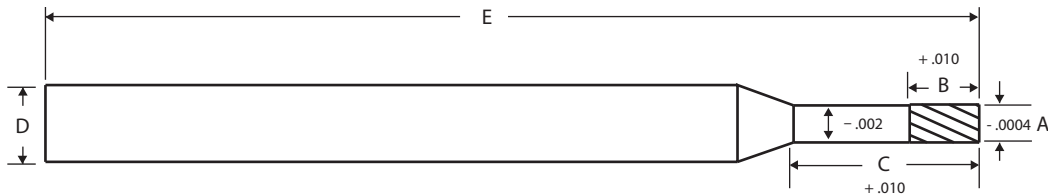


Square Micro End Mills

S70
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
**12X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.030	0.120	0.125	2.50	S70-010-2-SQ12XR	N/A	N/A	\$43.43	\$45.74
0.015 (1/64)	0.045	0.180	0.125	2.50	S70-015-2-SQ12XR	S70-015-3-SQ12XR	S70-015-4-SQ12XR	\$36.44	\$38.75
0.020	0.060	0.240	0.125	2.50	S70-020-2-SQ12XR	S70-020-3-SQ12XR	S70-020-4-SQ12XR	\$34.65	\$36.96
0.025	0.075	0.300	0.125	2.50	S70-025-2-SQ12XR	S70-025-3-SQ12XR	S70-025-4-SQ12XR	\$34.65	\$36.96
0.030	0.090	0.360	0.125	2.50	S70-030-2-SQ12XR	S70-030-3-SQ12XR	S70-030-4-SQ12XR	\$34.65	\$36.96
0.031 (1/32)	0.093	0.372	0.125	2.50	S70-031-2-SQ12XR	S70-031-3-SQ12XR	S70-031-4-SQ12XR	\$32.57	\$34.88
0.035	0.105	0.420	0.125	2.50	S70-035-2-SQ12XR	S70-035-3-SQ12XR	S70-035-4-SQ12XR	\$32.57	\$34.88
0.039 (1mm)	0.117	0.468	0.125	2.50	S70-039-2-SQ12XR	S70-039-3-SQ12XR	S70-039-4-SQ12XR	\$32.57	\$34.88
0.040	0.120	0.480	0.125	2.50	S70-040-2-SQ12XR	S70-040-3-SQ12XR	S70-040-4-SQ12XR	\$32.57	\$34.88
0.045	0.135	0.540	0.125	2.50	S70-045-2-SQ12XR	S70-045-3-SQ12XR	S70-045-4-SQ12XR	\$32.57	\$34.88
0.047 (3/64)	0.141	0.564	0.125	2.50	S70-047-2-SQ12XR	S70-047-3-SQ12XR	S70-047-4-SQ12XR	\$32.57	\$34.88
0.050	0.150	0.600	0.125	2.50	S70-050-2-SQ12XR	S70-050-3-SQ12XR	S70-050-4-SQ12XR	\$32.57	\$34.88
0.055	0.165	0.660	0.125	2.50	S70-055-2-SQ12XR	S70-055-3-SQ12XR	S70-055-4-SQ12XR	\$32.57	\$34.88
0.060	0.180	0.720	0.125	2.50	S70-060-2-SQ12XR	S70-060-3-SQ12XR	S70-060-4-SQ12XR	\$32.57	\$34.88
0.062 (1/16)	0.186	0.744	0.125	2.50	S70-062-2-SQ12XR	S70-062-3-SQ12XR	S70-062-4-SQ12XR	\$32.57	\$34.88
0.065	0.195	0.780	0.125	2.50	S70-065-2-SQ12XR	S70-065-3-SQ12XR	S70-065-4-SQ12XR	\$32.57	\$34.88
0.070	0.210	0.840	0.125	2.50	S70-070-2-SQ12XR	S70-070-3-SQ12XR	S70-070-4-SQ12XR	\$30.72	\$33.03
0.075	0.225	0.900	0.125	2.50	S70-075-2-SQ12XR	S70-075-3-SQ12XR	S70-075-4-SQ12XR	\$30.72	\$33.03
0.078 (5/64)	0.234	0.936	0.125	2.50	S70-078-2-SQ12XR	S70-078-3-SQ12XR	S70-078-4-SQ12XR	\$30.72	\$33.03
0.080	0.240	0.960	0.125	2.50	S70-080-2-SQ12XR	S70-080-3-SQ12XR	S70-080-4-SQ12XR	\$30.72	\$33.03
0.085	0.255	1.020	0.125	2.50	S70-085-2-SQ12XR	S70-085-3-SQ12XR	S70-085-4-SQ12XR	\$30.72	\$33.03
0.090	0.270	1.080	0.125	2.50	S70-090-2-SQ12XR	S70-090-3-SQ12XR	S70-090-4-SQ12XR	\$30.72	\$33.03
0.093 (3/32)	0.279	1.116	0.125	2.50	S70-093-2-SQ12XR	S70-093-3-SQ12XR	S70-093-4-SQ12XR	\$30.72	\$33.03
0.095	0.285	1.140	0.125	2.50	S70-095-2-SQ12XR	S70-095-3-SQ12XR	S70-095-4-SQ12XR	\$30.72	\$33.03
0.100	0.300	1.200	0.125	2.50	S70-100-2-SQ12XR	S70-100-3-SQ12XR	S70-100-4-SQ12XR	\$30.72	\$33.03
0.118 (3mm)	0.354	1.416	0.125	2.50	S70-118-2-SQ12XR	S70-118-3-SQ12XR	S70-118-4-SQ12XR	\$30.72	\$33.03
0.125 (1/8)	0.375	1.500	0.125	2.50	S70-125-2-SQ12XR	S70-125-3-SQ12XR	S70-125-4-SQ12XR	\$30.72	\$33.03



Need your coated tool quickly? All standard tools are available AlTiN coated in 3 days or less. See page 117 for more details.



S83

Corner Radius Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

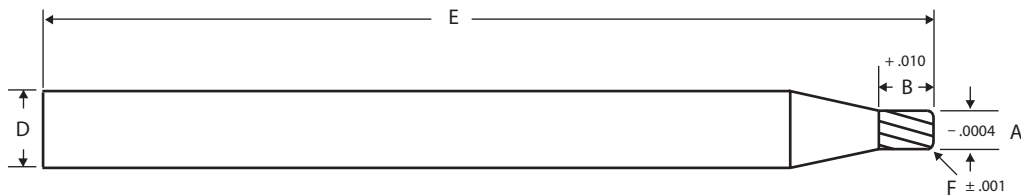
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.015 (1/64)	0.023	0.125	1.50	0.003	S83-015-2-.003R	S83-015-3-.003R	S83-015-4-.003R	\$42.74	\$45.05
0.020	0.030	0.125	1.50	0.005	S83-020-2-.005R	S83-020-3-.005R	S83-020-4-.005R	\$40.71	\$43.02
0.025	0.038	0.125	1.50	0.005	S83-025-2-.005R	S83-025-3-.005R	S83-025-4-.005R	\$36.04	\$38.35
0.030	0.045	0.125	1.50	0.005	S83-030-2-.005R	S83-030-3-.005R	S83-030-4-.005R	\$34.19	\$36.50
0.030	0.045	0.125	1.50	0.010	S83-030-2-.010R	S83-030-3-.010R	S83-030-4-.010R	\$34.19	\$36.50
0.031 (1/32)	0.047	0.125	1.50	0.005	S83-031-2-.005R	S83-031-3-.005R	S83-031-4-.005R	\$34.19	\$36.50
0.031 (1/32)	0.047	0.125	1.50	0.010	S83-031-2-.010R	S83-031-3-.010R	S83-031-4-.010R	\$34.19	\$36.50
0.035	0.053	0.125	1.50	0.005	S83-035-2-.005R	S83-035-3-.005R	S83-035-4-.005R	\$24.31	\$26.62
0.035	0.053	0.125	1.50	0.010	S83-035-2-.010R	S83-035-3-.010R	S83-035-4-.010R	\$24.31	\$26.62
0.039 (1mm)	0.059	0.125	1.50	0.005	S83-039-2-.005R	S83-039-3-.005R	S83-039-4-.005R	\$24.31	\$26.62
0.039 (1mm)	0.059	0.125	1.50	0.010	S83-039-2-.010R	S83-039-3-.010R	S83-039-4-.010R	\$24.31	\$26.62
0.040	0.060	0.125	1.50	0.005	S83-040-2-.005R	S83-040-3-.005R	S83-040-4-.005R	\$24.31	\$26.62
0.040	0.060	0.125	1.50	0.010	S83-040-2-.010R	S83-040-3-.010R	S83-040-4-.010R	\$24.31	\$26.62
0.045	0.068	0.125	1.50	0.005	S83-045-2-.005R	S83-045-3-.005R	S83-045-4-.005R	\$24.31	\$26.62
0.045	0.068	0.125	1.50	0.010	S83-045-2-.010R	S83-045-3-.010R	S83-045-4-.010R	\$24.31	\$26.62
0.045	0.068	0.125	1.50	0.015	S83-045-2-.015R	S83-045-3-.015R	S83-045-4-.015R	\$24.31	\$26.62
0.047 (3/64)	0.071	0.125	1.50	0.005	S83-047-2-.005R	S83-047-3-.005R	S83-047-4-.005R	\$24.31	\$26.62
0.047 (3/64)	0.071	0.125	1.50	0.010	S83-047-2-.010R	S83-047-3-.010R	S83-047-4-.010R	\$24.31	\$26.62
0.047 (3/64)	0.071	0.125	1.50	0.015	S83-047-2-.015R	S83-047-3-.015R	S83-047-4-.015R	\$24.31	\$26.62
0.050	0.075	0.125	1.50	0.005	S83-050-2-.005R	S83-050-3-.005R	S83-050-4-.005R	\$24.31	\$26.62
0.050	0.075	0.125	1.50	0.010	S83-050-2-.010R	S83-050-3-.010R	S83-050-4-.010R	\$24.31	\$26.62
0.050	0.075	0.125	1.50	0.015	S83-050-2-.015R	S83-050-3-.015R	S83-050-4-.015R	\$24.31	\$26.62
0.055	0.083	0.125	1.50	0.005	S83-055-2-.005R	S83-055-3-.005R	S83-055-4-.005R	\$22.87	\$25.18
0.055	0.083	0.125	1.50	0.010	S83-055-2-.010R	S83-055-3-.010R	S83-055-4-.010R	\$22.87	\$25.18
0.055	0.083	0.125	1.50	0.015	S83-055-2-.015R	S83-055-3-.015R	S83-055-4-.015R	\$22.87	\$25.18
0.060	0.090	0.125	1.50	0.005	S83-060-2-.005R	S83-060-3-.005R	S83-060-4-.005R	\$22.87	\$25.18
0.060	0.090	0.125	1.50	0.010	S83-060-2-.010R	S83-060-3-.010R	S83-060-4-.010R	\$22.87	\$25.18
0.060	0.090	0.125	1.50	0.015	S83-060-2-.015R	S83-060-3-.015R	S83-060-4-.015R	\$22.87	\$25.18
0.062 (1/16)	0.093	0.125	1.50	0.005	S83-062-2-.005R	S83-062-3-.005R	S83-062-4-.005R	\$22.87	\$25.18
0.062 (1/16)	0.093	0.125	1.50	0.010	S83-062-2-.010R	S83-062-3-.010R	S83-062-4-.010R	\$22.87	\$25.18
0.062 (1/16)	0.093	0.125	1.50	0.015	S83-062-2-.015R	S83-062-3-.015R	S83-062-4-.015R	\$22.87	\$25.18
0.062 (1/16)	0.093	0.125	1.50	0.020	S83-062-2-.020R	S83-062-3-.020R	S83-062-4-.020R	\$22.87	\$25.18
0.065	0.098	0.125	1.50	0.005	S83-065-2-.005R	S83-065-3-.005R	S83-065-4-.005R	\$22.87	\$25.18
0.065	0.098	0.125	1.50	0.010	S83-065-2-.010R	S83-065-3-.010R	S83-065-4-.010R	\$22.87	\$25.18
0.065	0.098	0.125	1.50	0.015	S83-065-2-.015R	S83-065-3-.015R	S83-065-4-.015R	\$22.87	\$25.18
0.070	0.105	0.125	1.50	0.005	S83-070-2-.005R	S83-070-3-.005R	S83-070-4-.005R	\$22.87	\$25.18
0.070	0.105	0.125	1.50	0.010	S83-070-2-.010R	S83-070-3-.010R	S83-070-4-.010R	\$22.87	\$25.18
0.070	0.105	0.125	1.50	0.015	S83-070-2-.015R	S83-070-3-.015R	S83-070-4-.015R	\$22.87	\$25.18
0.075	0.113	0.125	1.50	0.005	S83-075-2-.005R	S83-075-3-.005R	S83-075-4-.005R	\$22.87	\$25.18
0.075	0.113	0.125	1.50	0.010	S83-075-2-.010R	S83-075-3-.010R	S83-075-4-.010R	\$22.87	\$25.18
0.075	0.113	0.125	1.50	0.015	S83-075-2-.015R	S83-075-3-.015R	S83-075-4-.015R	\$22.87	\$25.18

Corner Radius Micro End Mills

S83
**FLUTES
2,3,4**
**1.5X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.078 (5/64)	0.117	0.125	1.50	0.005	S83-078-2-.005R	S83-078-3-.005R	S83-078-4-.005R	\$22.87	\$25.18
0.078 (5/64)	0.117	0.125	1.50	0.010	S83-078-2-.010R	S83-078-3-.010R	S83-078-4-.010R	\$22.87	\$25.18
0.078 (5/64)	0.117	0.125	1.50	0.015	S83-078-2-.015R	S83-078-3-.015R	S83-078-4-.015R	\$22.87	\$25.18
0.078 (5/64)	0.117	0.125	1.50	0.020	S83-078-2-.020R	S83-078-3-.020R	S83-078-4-.020R	\$22.87	\$25.18
0.080	0.120	0.125	1.50	0.005	S83-080-2-.005R	S83-080-3-.005R	S83-080-4-.005R	\$22.87	\$25.18
0.080	0.120	0.125	1.50	0.010	S83-080-2-.010R	S83-080-3-.010R	S83-080-4-.010R	\$22.87	\$25.18
0.080	0.120	0.125	1.50	0.015	S83-080-2-.015R	S83-080-3-.015R	S83-080-4-.015R	\$22.87	\$25.18
0.085	0.128	0.125	1.50	0.005	S83-085-2-.005R	S83-085-3-.005R	S83-085-4-.005R	\$22.87	\$25.18
0.085	0.128	0.125	1.50	0.010	S83-085-2-.010R	S83-085-3-.010R	S83-085-4-.010R	\$22.87	\$25.18
0.085	0.128	0.125	1.50	0.015	S83-085-2-.015R	S83-085-3-.015R	S83-085-4-.015R	\$22.87	\$25.18
0.090	0.135	0.125	1.50	0.005	S83-090-2-.005R	S83-090-3-.005R	S83-090-4-.005R	\$22.87	\$25.18
0.090	0.135	0.125	1.50	0.010	S83-090-2-.010R	S83-090-3-.010R	S83-090-4-.010R	\$22.87	\$25.18
0.090	0.135	0.125	1.50	0.015	S83-090-2-.015R	S83-090-3-.015R	S83-090-4-.015R	\$22.87	\$25.18
0.093 (3/32)	0.140	0.125	1.50	0.005	S83-093-2-.005R	S83-093-3-.005R	S83-093-4-.005R	\$22.87	\$25.18
0.093 (3/32)	0.140	0.125	1.50	0.010	S83-093-2-.010R	S83-093-3-.010R	S83-093-4-.010R	\$22.87	\$25.18
0.093 (3/32)	0.140	0.125	1.50	0.015	S83-093-2-.015R	S83-093-3-.015R	S83-093-4-.015R	\$22.87	\$25.18
0.093 (3/32)	0.140	0.125	1.50	0.020	S83-093-2-.020R	S83-093-3-.020R	S83-093-4-.020R	\$22.87	\$25.18
0.095	0.143	0.125	1.50	0.005	S83-095-2-.005R	S83-095-3-.005R	S83-095-4-.005R	\$22.87	\$25.18
0.095	0.143	0.125	1.50	0.010	S83-095-2-.010R	S83-095-3-.010R	S83-095-4-.010R	\$22.87	\$25.18
0.095	0.143	0.125	1.50	0.015	S83-095-2-.015R	S83-095-3-.015R	S83-095-4-.015R	\$22.87	\$25.18
0.100	0.150	0.125	1.50	0.005	S83-100-2-.005R	S83-100-3-.005R	S83-100-4-.005R	\$22.58	\$24.89
0.100	0.150	0.125	1.50	0.010	S83-100-2-.010R	S83-100-3-.010R	S83-100-4-.010R	\$22.58	\$24.89
0.100	0.150	0.125	1.50	0.015	S83-100-2-.015R	S83-100-3-.015R	S83-100-4-.015R	\$22.58	\$24.89
0.118 (3mm)	0.177	0.125	1.50	0.005	S83-118-2-.005R	S83-118-3-.005R	S83-118-4-.005R	\$22.58	\$24.89
0.118 (3mm)	0.177	0.125	1.50	0.010	S83-118-2-.010R	S83-118-3-.010R	S83-118-4-.010R	\$22.58	\$24.89
0.118 (3mm)	0.177	0.125	1.50	0.015	S83-118-2-.015R	S83-118-3-.015R	S83-118-4-.015R	\$22.58	\$24.89
0.118 (3mm)	0.177	0.125	1.50	0.020	S83-118-2-.020R	S83-118-3-.020R	S83-118-4-.020R	\$22.58	\$24.89
0.125 (1/8)	0.188	0.125	1.50	0.005	S83-125-2-.005R	S83-125-3-.005R	S83-125-4-.005R	\$22.58	\$24.89
0.125 (1/8)	0.188	0.125	1.50	0.010	S83-125-2-.010R	S83-125-3-.010R	S83-125-4-.010R	\$22.58	\$24.89
0.125 (1/8)	0.188	0.125	1.50	0.015	S83-125-2-.015R	S83-125-3-.015R	S83-125-4-.015R	\$22.58	\$24.89
0.125 (1/8)	0.188	0.125	1.50	0.020	S83-125-2-.020R	S83-125-3-.020R	S83-125-4-.020R	\$22.58	\$24.89



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S58

Corner Radius Micro End Mills

**FLUTES
2,3,4**

**3X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

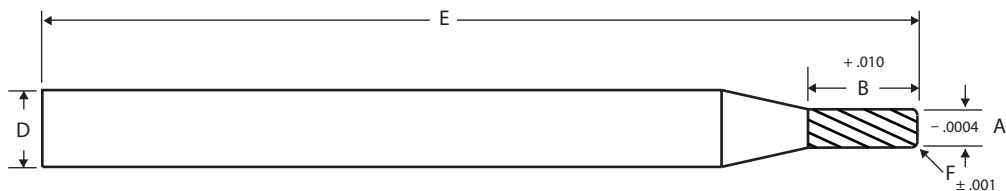
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.015 (1/64)	0.045	0.125	1.50	0.003	S58-015-2-.003R	S58-015-3-.003R	S58-015-4-.003R	\$42.74	\$45.05
0.020	0.060	0.125	1.50	0.005	S58-020-2-.005R	S58-020-3-.005R	S58-020-4-.005R	\$40.71	\$43.02
0.025	0.075	0.125	1.50	0.005	S58-025-2-.005R	S58-025-3-.005R	S58-025-4-.005R	\$36.04	\$38.35
0.030	0.090	0.125	1.50	0.005	S58-030-2-.005R	S58-030-3-.005R	S58-030-4-.005R	\$34.19	\$36.50
0.030	0.090	0.125	1.50	0.010	S58-030-2-.010R	S58-030-3-.010R	S58-030-4-.010R	\$34.19	\$36.50
0.031 (1/32)	0.093	0.125	1.50	0.005	S58-031-2-.005R	S58-031-3-.005R	S58-031-4-.005R	\$34.19	\$36.50
0.031 (1/32)	0.093	0.125	1.50	0.010	S58-031-2-.010R	S58-031-3-.010R	S58-031-4-.010R	\$34.19	\$36.50
0.035	0.105	0.125	1.50	0.005	S58-035-2-.005R	S58-035-3-.005R	S58-035-4-.005R	\$24.31	\$26.62
0.035	0.105	0.125	1.50	0.010	S58-035-2-.010R	S58-035-3-.010R	S58-035-4-.010R	\$24.31	\$26.62
0.039 (1mm)	0.117	0.125	1.50	0.005	S58-039-2-.005R	S58-039-3-.005R	S58-039-4-.005R	\$24.31	\$26.62
0.039 (1mm)	0.117	0.125	1.50	0.010	S58-039-2-.010R	S58-039-3-.010R	S58-039-4-.010R	\$24.31	\$26.62
0.040	0.120	0.125	1.50	0.005	S58-040-2-.005R	S58-040-3-.005R	S58-040-4-.005R	\$24.31	\$26.62
0.040	0.120	0.125	1.50	0.010	S58-040-2-.010R	S58-040-3-.010R	S58-040-4-.010R	\$24.31	\$26.62
0.045	0.135	0.125	1.50	0.005	S58-045-2-.005R	S58-045-3-.005R	S58-045-4-.005R	\$24.31	\$26.62
0.045	0.135	0.125	1.50	0.010	S58-045-2-.010R	S58-045-3-.010R	S58-045-4-.010R	\$24.31	\$26.62
0.045	0.135	0.125	1.50	0.015	S58-045-2-.015R	S58-045-3-.015R	S58-045-4-.015R	\$24.31	\$26.62
0.047 (3/64)	0.141	0.125	1.50	0.005	S58-047-2-.005R	S58-047-3-.005R	S58-047-4-.005R	\$24.31	\$26.62
0.047 (3/64)	0.141	0.125	1.50	0.010	S58-047-2-.010R	S58-047-3-.010R	S58-047-4-.010R	\$24.31	\$26.62
0.047 (3/64)	0.141	0.125	1.50	0.015	S58-047-2-.015R	S58-047-3-.015R	S58-047-4-.015R	\$24.31	\$26.62
0.050	0.150	0.125	1.50	0.005	S58-050-2-.005R	S58-050-3-.005R	S58-050-4-.005R	\$24.31	\$26.62
0.050	0.150	0.125	1.50	0.010	S58-050-2-.010R	S58-050-3-.010R	S58-050-4-.010R	\$24.31	\$26.62
0.050	0.150	0.125	1.50	0.015	S58-050-2-.015R	S58-050-3-.015R	S58-050-4-.015R	\$24.31	\$26.62
0.055	0.165	0.125	1.50	0.005	S58-055-2-.005R	S58-055-3-.005R	S58-055-4-.005R	\$22.87	\$25.18
0.055	0.165	0.125	1.50	0.010	S58-055-2-.010R	S58-055-3-.010R	S58-055-4-.010R	\$22.87	\$25.18
0.055	0.165	0.125	1.50	0.015	S58-055-2-.015R	S58-055-3-.015R	S58-055-4-.015R	\$22.87	\$25.18
0.060	0.180	0.125	1.50	0.005	S58-060-2-.005R	S58-060-3-.005R	S58-060-4-.005R	\$22.87	\$25.18
0.060	0.180	0.125	1.50	0.010	S58-060-2-.010R	S58-060-3-.010R	S58-060-4-.010R	\$22.87	\$25.18
0.060	0.180	0.125	1.50	0.015	S58-060-2-.015R	S58-060-3-.015R	S58-060-4-.015R	\$22.87	\$25.18
0.062 (1/16)	0.187	0.125	1.50	0.005	S58-062-2-.005R	S58-062-3-.005R	S58-062-4-.005R	\$22.87	\$25.18
0.062 (1/16)	0.187	0.125	1.50	0.010	S58-062-2-.010R	S58-062-3-.010R	S58-062-4-.010R	\$22.87	\$25.18
0.062 (1/16)	0.187	0.125	1.50	0.015	S58-062-2-.015R	S58-062-3-.015R	S58-062-4-.015R	\$22.87	\$25.18
0.062 (1/16)	0.187	0.125	1.50	0.020	S58-062-2-.020R	S58-062-3-.020R	S58-062-4-.020R	\$22.87	\$25.18
0.065	0.195	0.125	1.50	0.005	S58-065-2-.005R	S58-065-3-.005R	S58-065-4-.005R	\$22.87	\$25.18
0.065	0.195	0.125	1.50	0.010	S58-065-2-.010R	S58-065-3-.010R	S58-065-4-.010R	\$22.87	\$25.18
0.065	0.195	0.125	1.50	0.015	S58-065-2-.015R	S58-065-3-.015R	S58-065-4-.015R	\$22.87	\$25.18
0.070	0.210	0.125	1.50	0.005	S58-070-2-.005R	S58-070-3-.005R	S58-070-4-.005R	\$22.87	\$25.18
0.070	0.210	0.125	1.50	0.010	S58-070-2-.010R	S58-070-3-.010R	S58-070-4-.010R	\$22.87	\$25.18
0.070	0.210	0.125	1.50	0.015	S58-070-2-.015R	S58-070-3-.015R	S58-070-4-.015R	\$22.87	\$25.18
0.075	0.225	0.125	1.50	0.005	S58-075-2-.005R	S58-075-3-.005R	S58-075-4-.005R	\$22.87	\$25.18
0.075	0.225	0.125	1.50	0.010	S58-075-2-.010R	S58-075-3-.010R	S58-075-4-.010R	\$22.87	\$25.18
0.075	0.225	0.125	1.50	0.015	S58-075-2-.015R	S58-075-3-.015R	S58-075-4-.015R	\$22.87	\$25.18

Corner Radius Micro End Mills

S58
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F					
0.078 (5/64)	0.234	0.125	1.50	0.005	S58-078-2-.005R	S58-078-3-.005R	S58-078-4-.005R	\$22.87	\$25.18
0.078 (5/64)	0.234	0.125	1.50	0.010	S58-078-2-.010R	S58-078-3-.010R	S58-078-4-.010R	\$22.87	\$25.18
0.078 (5/64)	0.234	0.125	1.50	0.015	S58-078-2-.015R	S58-078-3-.015R	S58-078-4-.015R	\$22.87	\$25.18
0.078 (5/64)	0.234	0.125	1.50	0.020	S58-078-2-.020R	S58-078-3-.020R	S58-078-4-.020R	\$22.87	\$25.18
0.080	0.240	0.125	1.50	0.005	S58-080-2-.005R	S58-080-3-.005R	S58-080-4-.005R	\$22.87	\$25.18
0.080	0.240	0.125	1.50	0.010	S58-080-2-.010R	S58-080-3-.010R	S58-080-4-.010R	\$22.87	\$25.18
0.080	0.240	0.125	1.50	0.015	S58-080-2-.015R	S58-080-3-.015R	S58-080-4-.015R	\$22.87	\$25.18
0.085	0.255	0.125	1.50	0.005	S58-085-2-.005R	S58-085-3-.005R	S58-085-4-.005R	\$22.87	\$25.18
0.085	0.255	0.125	1.50	0.010	S58-085-2-.010R	S58-085-3-.010R	S58-085-4-.010R	\$22.87	\$25.18
0.085	0.255	0.125	1.50	0.015	S58-085-2-.015R	S58-085-3-.015R	S58-085-4-.015R	\$22.87	\$25.18
0.090	0.270	0.125	1.50	0.005	S58-090-2-.005R	S58-090-3-.005R	S58-090-4-.005R	\$22.87	\$25.18
0.090	0.270	0.125	1.50	0.010	S58-090-2-.010R	S58-090-3-.010R	S58-090-4-.010R	\$22.87	\$25.18
0.090	0.270	0.125	1.50	0.015	S58-090-2-.015R	S58-090-3-.015R	S58-090-4-.015R	\$22.87	\$25.18
0.093 (3/32)	0.279	0.125	1.50	0.005	S58-093-2-.005R	S58-093-3-.005R	S58-093-4-.005R	\$22.87	\$25.18
0.093 (3/32)	0.279	0.125	1.50	0.010	S58-093-2-.010R	S58-093-3-.010R	S58-093-4-.010R	\$22.87	\$25.18
0.093 (3/32)	0.279	0.125	1.50	0.015	S58-093-2-.015R	S58-093-3-.015R	S58-093-4-.015R	\$22.87	\$25.18
0.093 (3/32)	0.279	0.125	1.50	0.020	S58-093-2-.020R	S58-093-3-.020R	S58-093-4-.020R	\$22.87	\$25.18
0.095	0.285	0.125	1.50	0.005	S58-095-2-.005R	S58-095-3-.005R	S58-095-4-.005R	\$22.87	\$25.18
0.095	0.285	0.125	1.50	0.010	S58-095-2-.010R	S58-095-3-.010R	S58-095-4-.010R	\$22.87	\$25.18
0.095	0.285	0.125	1.50	0.015	S58-095-2-.015R	S58-095-3-.015R	S58-095-4-.015R	\$22.87	\$25.18
0.100	0.300	0.125	1.50	0.005	S58-100-2-.005R	S58-100-3-.005R	S58-100-4-.005R	\$22.58	\$24.89
0.100	0.300	0.125	1.50	0.010	S58-100-2-.010R	S58-100-3-.010R	S58-100-4-.010R	\$22.58	\$24.89
0.100	0.300	0.125	1.50	0.015	S58-100-2-.015R	S58-100-3-.015R	S58-100-4-.015R	\$22.58	\$24.89
0.100	0.300	0.125	1.50	0.030	S58-100-2-.030R	S58-100-3-.030R	S58-100-4-.030R	\$22.58	\$24.89
0.118 (3mm)	0.354	0.125	1.50	0.005	S58-118-2-.005R	S58-118-3-.005R	S58-118-4-.005R	\$22.58	\$24.89
0.118 (3mm)	0.354	0.125	1.50	0.010	S58-118-2-.010R	S58-118-3-.010R	S58-118-4-.010R	\$22.58	\$24.89
0.118 (3mm)	0.354	0.125	1.50	0.015	S58-118-2-.015R	S58-118-3-.015R	S58-118-4-.015R	\$22.58	\$24.89
0.118 (3mm)	0.354	0.125	1.50	0.020	S58-118-2-.020R	S58-118-3-.020R	S58-118-4-.020R	\$22.58	\$24.89
0.125 (1/8)	0.375	0.125	1.50	0.005	S58-125-2-.005R	S58-125-3-.005R	S58-125-4-.005R	\$22.58	\$24.89
0.125 (1/8)	0.375	0.125	1.50	0.010	S58-125-2-.010R	S58-125-3-.010R	S58-125-4-.010R	\$22.58	\$24.89
0.125 (1/8)	0.375	0.125	1.50	0.015	S58-125-2-.015R	S58-125-3-.015R	S58-125-4-.015R	\$22.58	\$24.89
0.125 (1/8)	0.375	0.125	1.50	0.020	S58-125-2-.020R	S58-125-3-.020R	S58-125-4-.020R	\$22.58	\$24.89
0.125 (1/8)	0.375	0.125	1.50	0.030	S58-125-2-.030R	S58-125-3-.030R	S58-125-4-.030R	\$22.58	\$24.89



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S107

Corner Radius Micro End Mills

**FLUTES
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**5X
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QUICK TURN
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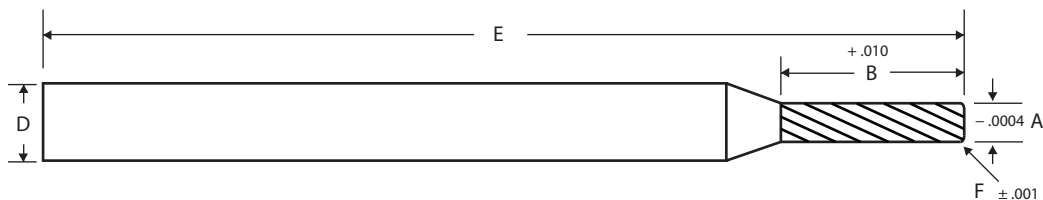
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.015 (1/64)	0.075	0.125	2.50	0.003	S107-015-2-.003R	S107-015-3-.003R	S107-015-4-.003R	\$38.93	\$41.24
0.020	0.100	0.125	2.50	0.005	S107-020-2-.005R	S107-020-3-.005R	S107-020-4-.005R	\$32.46	\$34.77
0.025	0.125	0.125	2.50	0.005	S107-025-2-.005R	S107-025-3-.005R	S107-025-4-.005R	\$32.46	\$34.77
0.030	0.150	0.125	2.50	0.005	S107-030-2-.005R	S107-030-3-.005R	S107-030-4-.005R	\$30.38	\$32.69
0.030	0.150	0.125	2.50	0.010	S107-030-2-.010R	S107-030-3-.010R	S107-030-4-.010R	\$30.38	\$32.69
0.031 (1/32)	0.155	0.125	2.50	0.005	S107-031-2-.005R	S107-031-3-.005R	S107-031-4-.005R	\$30.38	\$32.69
0.031 (1/32)	0.155	0.125	2.50	0.010	S107-031-2-.010R	S107-031-3-.010R	S107-031-4-.010R	\$30.38	\$32.69
0.035	0.175	0.125	2.50	0.005	S107-035-2-.005R	S107-035-3-.005R	S107-035-4-.005R	\$30.38	\$32.69
0.035	0.175	0.125	2.50	0.010	S107-035-2-.010R	S107-035-3-.010R	S107-035-4-.010R	\$30.38	\$32.69
0.039 (1mm)	0.195	0.125	2.50	0.005	S107-039-2-.005R	S107-039-3-.005R	S107-039-4-.005R	\$30.38	\$32.69
0.039 (1mm)	0.195	0.125	2.50	0.010	S107-039-2-.010R	S107-039-3-.010R	S107-039-4-.010R	\$30.38	\$32.69
0.040	0.200	0.125	2.50	0.005	S107-040-2-.005R	S107-040-3-.005R	S107-040-4-.005R	\$30.38	\$32.69
0.040	0.200	0.125	2.50	0.010	S107-040-2-.010R	S107-040-3-.010R	S107-040-4-.010R	\$30.38	\$32.69
0.045	0.225	0.125	2.50	0.005	S107-045-2-.005R	S107-045-3-.005R	S107-045-4-.005R	\$30.38	\$32.69
0.045	0.225	0.125	2.50	0.010	S107-045-2-.010R	S107-045-3-.010R	S107-045-4-.010R	\$30.38	\$32.69
0.045	0.225	0.125	2.50	0.015	S107-045-2-.015R	S107-045-3-.015R	S107-045-4-.015R	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	0.005	S107-047-2-.005R	S107-047-3-.005R	S107-047-4-.005R	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	0.010	S107-047-2-.010R	S107-047-3-.010R	S107-047-4-.010R	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	0.015	S107-047-2-.015R	S107-047-3-.015R	S107-047-4-.015R	\$30.38	\$32.69
0.050	0.250	0.125	2.50	0.005	S107-050-2-.005R	S107-050-3-.005R	S107-050-4-.005R	\$30.38	\$32.69
0.050	0.250	0.125	2.50	0.010	S107-050-2-.010R	S107-050-3-.010R	S107-050-4-.010R	\$30.38	\$32.69
0.050	0.250	0.125	2.50	0.015	S107-050-2-.015R	S107-050-3-.015R	S107-050-4-.015R	\$30.38	\$32.69
0.055	0.275	0.125	2.50	0.005	S107-055-2-.005R	S107-055-3-.005R	S107-055-4-.005R	\$26.80	\$29.11
0.055	0.275	0.125	2.50	0.010	S107-055-2-.010R	S107-055-3-.010R	S107-055-4-.010R	\$26.80	\$29.11
0.055	0.275	0.125	2.50	0.015	S107-055-2-.015R	S107-055-3-.015R	S107-055-4-.015R	\$26.80	\$29.11
0.060	0.300	0.125	2.50	0.005	S107-060-2-.005R	S107-060-3-.005R	S107-060-4-.005R	\$26.80	\$29.11
0.060	0.300	0.125	2.50	0.010	S107-060-2-.010R	S107-060-3-.010R	S107-060-4-.010R	\$26.80	\$29.11
0.060	0.300	0.125	2.50	0.015	S107-060-2-.015R	S107-060-3-.015R	S107-060-4-.015R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.005	S107-062-2-.005R	S107-062-3-.005R	S107-062-4-.005R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.010	S107-062-2-.010R	S107-062-3-.010R	S107-062-4-.010R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.015	S107-062-2-.015R	S107-062-3-.015R	S107-062-4-.015R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.020	S107-062-2-.020R	S107-062-3-.020R	S107-062-4-.020R	\$26.80	\$29.11
0.065	0.325	0.125	2.50	0.005	S107-065-2-.005R	S107-065-3-.005R	S107-065-4-.005R	\$26.80	\$29.11
0.065	0.325	0.125	2.50	0.010	S107-065-2-.010R	S107-065-3-.010R	S107-065-4-.010R	\$26.80	\$29.11
0.065	0.325	0.125	2.50	0.015	S107-065-2-.015R	S107-065-3-.015R	S107-065-4-.015R	\$26.80	\$29.11
0.070	0.350	0.125	2.50	0.005	S107-070-2-.005R	S107-070-3-.005R	S107-070-4-.005R	\$26.80	\$29.11
0.070	0.350	0.125	2.50	0.010	S107-070-2-.010R	S107-070-3-.010R	S107-070-4-.010R	\$26.80	\$29.11
0.070	0.350	0.125	2.50	0.015	S107-070-2-.015R	S107-070-3-.015R	S107-070-4-.015R	\$26.80	\$29.11
0.075	0.375	0.125	2.50	0.005	S107-075-2-.005R	S107-075-3-.005R	S107-075-4-.005R	\$26.80	\$29.11
0.075	0.375	0.125	2.50	0.010	S107-075-2-.010R	S107-075-3-.010R	S107-075-4-.010R	\$26.80	\$29.11
0.075	0.375	0.125	2.50	0.015	S107-075-2-.015R	S107-075-3-.015R	S107-075-4-.015R	\$26.80	\$29.11

Corner Radius Micro End Mills

S107
**FLUTES
2,3,4**
**5X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.078 (5/64)	0.390	0.125	2.50	0.005	S107-078-2-.005R	S107-078-3-.005R	S107-078-4-.005R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.010	S107-078-2-.010R	S107-078-3-.010R	S107-078-4-.010R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.015	S107-078-2-.015R	S107-078-3-.015R	S107-078-4-.015R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.020	S107-078-2-.020R	S107-078-3-.020R	S107-078-4-.020R	\$26.80	\$29.11
0.080	0.400	0.125	2.50	0.005	S107-080-2-.005R	S107-080-3-.005R	S107-080-4-.005R	\$26.80	\$29.11
0.080	0.400	0.125	2.50	0.010	S107-080-2-.010R	S107-080-3-.010R	S107-080-4-.010R	\$26.80	\$29.11
0.080	0.400	0.125	2.50	0.015	S107-080-2-.015R	S107-080-3-.015R	S107-080-4-.015R	\$26.80	\$29.11
0.085	0.425	0.125	2.50	0.005	S107-085-2-.005R	S107-085-3-.005R	S107-085-4-.005R	\$24.72	\$27.03
0.085	0.425	0.125	2.50	0.010	S107-085-2-.010R	S107-085-3-.010R	S107-085-4-.010R	\$24.72	\$27.03
0.085	0.425	0.125	2.50	0.015	S107-085-2-.015R	S107-085-3-.015R	S107-085-4-.015R	\$24.72	\$27.03
0.090	0.450	0.125	2.50	0.005	S107-090-2-.005R	S107-090-3-.005R	S107-090-4-.005R	\$24.72	\$27.03
0.090	0.450	0.125	2.50	0.010	S107-090-2-.010R	S107-090-3-.010R	S107-090-4-.010R	\$24.72	\$27.03
0.090	0.450	0.125	2.50	0.015	S107-090-2-.015R	S107-090-3-.015R	S107-090-4-.015R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.005	S107-093-2-.005R	S107-093-3-.005R	S107-093-4-.005R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.010	S107-093-2-.010R	S107-093-3-.010R	S107-093-4-.010R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.015	S107-093-2-.015R	S107-093-3-.015R	S107-093-4-.015R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.020	S107-093-2-.020R	S107-093-3-.020R	S107-093-4-.020R	\$24.72	\$27.03
0.095	0.475	0.125	2.50	0.005	S107-095-2-.005R	S107-095-3-.005R	S107-095-4-.005R	\$24.72	\$27.03
0.095	0.475	0.125	2.50	0.010	S107-095-2-.010R	S107-095-3-.010R	S107-095-4-.010R	\$24.72	\$27.03
0.095	0.475	0.125	2.50	0.015	S107-095-2-.015R	S107-095-3-.015R	S107-095-4-.015R	\$24.72	\$27.03
0.100	0.500	0.125	2.50	0.005	S107-100-2-.005R	S107-100-3-.005R	S107-100-4-.005R	\$24.72	\$27.03
0.100	0.500	0.125	2.50	0.010	S107-100-2-.010R	S107-100-3-.010R	S107-100-4-.010R	\$24.72	\$27.03
0.100	0.500	0.125	2.50	0.015	S107-100-2-.015R	S107-100-3-.015R	S107-100-4-.015R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.005	S107-118-2-.005R	S107-118-3-.005R	S107-118-4-.005R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.010	S107-118-2-.010R	S107-118-3-.010R	S107-118-4-.010R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.015	S107-118-2-.015R	S107-118-3-.015R	S107-118-4-.015R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.020	S107-118-2-.020R	S107-118-3-.020R	S107-118-4-.020R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.005	S107-125-2-.005R	S107-125-3-.005R	S107-125-4-.005R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.010	S107-125-2-.010R	S107-125-3-.010R	S107-125-4-.010R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.015	S107-125-2-.015R	S107-125-3-.015R	S107-125-4-.015R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.020	S107-125-2-.020R	S107-125-3-.020R	S107-125-4-.020R	\$24.72	\$27.03



SPECIALS

P.206

MITGI specializes in custom micro tools that are needed quickly or are difficult to find. See pages 206-207 for more info regarding custom tool capabilities, estimated production times, and information on how to place an order.



S108

Corner Radius Micro End Mills

**FLUTES
2,3,4**

**8X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**QT
QUICK TURN
SPECIALS**

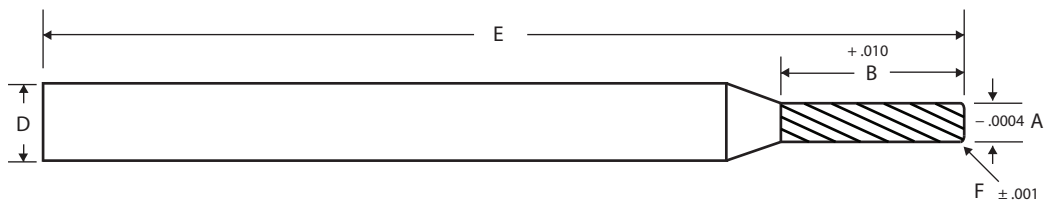
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.015 (1/64)	0.120	0.125	2.50	0.003	S108-015-2-.003R	S108-015-3-.003R	S108-015-4-.003R	\$66.07	\$68.38
0.020	0.160	0.125	2.50	0.005	S108-020-2-.005R	S108-020-3-.005R	S108-020-4-.005R	\$66.07	\$68.38
0.025	0.200	0.125	2.50	0.005	S108-025-2-.005R	S108-025-3-.005R	S108-025-4-.005R	\$59.03	\$61.34
0.030	0.240	0.125	2.50	0.005	S108-030-2-.005R	S108-030-3-.005R	S108-030-4-.005R	\$59.03	\$61.34
0.030	0.240	0.125	2.50	0.010	S108-030-2-.010R	S108-030-3-.010R	S108-030-4-.010R	\$59.03	\$61.34
0.031 (1/32)	0.248	0.125	2.50	0.005	S108-031-2-.005R	S108-031-3-.005R	S108-031-4-.005R	\$59.03	\$61.34
0.031 (1/32)	0.248	0.125	2.50	0.010	S108-031-2-.010R	S108-031-3-.010R	S108-031-4-.010R	\$59.03	\$61.34
0.035	0.280	0.125	2.50	0.005	S108-035-2-.005R	S108-035-3-.005R	S108-035-4-.005R	\$59.03	\$61.34
0.035	0.280	0.125	2.50	0.010	S108-035-2-.010R	S108-035-3-.010R	S108-035-4-.010R	\$59.03	\$61.34
0.039 (1mm)	0.312	0.125	2.50	0.005	S108-039-2-.005R	S108-039-3-.005R	S108-039-4-.005R	\$57.52	\$59.83
0.039 (1mm)	0.312	0.125	2.50	0.010	S108-039-2-.010R	S108-039-3-.010R	S108-039-4-.010R	\$57.52	\$59.83
0.040	0.320	0.125	2.50	0.005	S108-040-2-.005R	S108-040-3-.005R	S108-040-4-.005R	\$57.52	\$59.83
0.040	0.320	0.125	2.50	0.010	S108-040-2-.010R	S108-040-3-.010R	S108-040-4-.010R	\$57.52	\$59.83
0.045	0.360	0.125	2.50	0.005	S108-045-2-.005R	S108-045-3-.005R	S108-045-4-.005R	\$54.75	\$57.06
0.045	0.360	0.125	2.50	0.010	S108-045-2-.010R	S108-045-3-.010R	S108-045-4-.010R	\$54.75	\$57.06
0.045	0.360	0.125	2.50	0.015	S108-045-2-.015R	S108-045-3-.015R	S108-045-4-.015R	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	0.005	S108-047-2-.005R	S108-047-3-.005R	S108-047-4-.005R	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	0.010	S108-047-2-.010R	S108-047-3-.010R	S108-047-4-.010R	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	0.015	S108-047-2-.015R	S108-047-3-.015R	S108-047-4-.015R	\$54.75	\$57.06
0.050	0.400	0.125	2.50	0.005	S108-050-2-.005R	S108-050-3-.005R	S108-050-4-.005R	\$54.75	\$57.06
0.050	0.400	0.125	2.50	0.010	S108-050-2-.010R	S108-050-3-.010R	S108-050-4-.010R	\$54.75	\$57.06
0.050	0.400	0.125	2.50	0.015	S108-050-2-.015R	S108-050-3-.015R	S108-050-4-.015R	\$54.75	\$57.06
0.055	0.440	0.125	2.50	0.005	S108-055-2-.005R	S108-055-3-.005R	S108-055-4-.005R	\$35.93	\$38.24
0.055	0.440	0.125	2.50	0.010	S108-055-2-.010R	S108-055-3-.010R	S108-055-4-.010R	\$35.93	\$38.24
0.055	0.440	0.125	2.50	0.015	S108-055-2-.015R	S108-055-3-.015R	S108-055-4-.015R	\$35.93	\$38.24
0.060	0.480	0.125	2.50	0.005	S108-060-2-.005R	S108-060-3-.005R	S108-060-4-.005R	\$35.93	\$38.24
0.060	0.480	0.125	2.50	0.010	S108-060-2-.010R	S108-060-3-.010R	S108-060-4-.010R	\$35.93	\$38.24
0.060	0.480	0.125	2.50	0.015	S108-060-2-.015R	S108-060-3-.015R	S108-060-4-.015R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.005	S108-062-2-.005R	S108-062-3-.005R	S108-062-4-.005R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.010	S108-062-2-.010R	S108-062-3-.010R	S108-062-4-.010R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.015	S108-062-2-.015R	S108-062-3-.015R	S108-062-4-.015R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.020	S108-062-2-.020R	S108-062-3-.020R	S108-062-4-.020R	\$35.93	\$38.24
0.065	0.520	0.125	2.50	0.005	S108-065-2-.005R	S108-065-3-.005R	S108-065-4-.005R	\$29.16	\$31.47
0.065	0.520	0.125	2.50	0.010	S108-065-2-.010R	S108-065-3-.010R	S108-065-4-.010R	\$29.16	\$31.47
0.065	0.520	0.125	2.50	0.015	S108-065-2-.015R	S108-065-3-.015R	S108-065-4-.015R	\$29.16	\$31.47
0.070	0.560	0.125	2.50	0.005	S108-070-2-.005R	S108-070-3-.005R	S108-070-4-.005R	\$29.16	\$31.47
0.070	0.560	0.125	2.50	0.010	S108-070-2-.010R	S108-070-3-.010R	S108-070-4-.010R	\$29.16	\$31.47
0.070	0.560	0.125	2.50	0.015	S108-070-2-.015R	S108-070-3-.015R	S108-070-4-.015R	\$29.16	\$31.47
0.075	0.600	0.125	2.50	0.005	S108-075-2-.005R	S108-075-3-.005R	S108-075-4-.005R	\$29.16	\$31.47
0.075	0.600	0.125	2.50	0.010	S108-075-2-.010R	S108-075-3-.010R	S108-075-4-.010R	\$29.16	\$31.47
0.075	0.600	0.125	2.50	0.015	S108-075-2-.015R	S108-075-3-.015R	S108-075-4-.015R	\$29.16	\$31.47

Corner Radius Micro End Mills

S108
**FLUTES
2,3,4**
**8X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F					
0.078 (5/64)	0.624	0.125	2.50	0.005	S108-078-2-.005R	S108-078-3-.005R	S108-078-4-.005R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.010	S108-078-2-.010R	S108-078-3-.010R	S108-078-4-.010R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.015	S108-078-2-.015R	S108-078-3-.015R	S108-078-4-.015R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.020	S108-078-2-.020R	S108-078-3-.020R	S108-078-4-.020R	\$29.16	\$31.47
0.080	0.640	0.125	2.50	0.005	S108-080-2-.005R	S108-080-3-.005R	S108-080-4-.005R	\$29.16	\$31.47
0.080	0.640	0.125	2.50	0.010	S108-080-2-.010R	S108-080-3-.010R	S108-080-4-.010R	\$29.16	\$31.47
0.080	0.640	0.125	2.50	0.015	S108-080-2-.015R	S108-080-3-.015R	S108-080-4-.015R	\$29.16	\$31.47
0.085	0.680	0.125	2.50	0.005	S108-085-2-.005R	S108-085-3-.005R	S108-085-4-.005R	\$29.16	\$31.47
0.085	0.680	0.125	2.50	0.010	S108-085-2-.010R	S108-085-3-.010R	S108-085-4-.010R	\$29.16	\$31.47
0.085	0.680	0.125	2.50	0.015	S108-085-2-.015R	S108-085-3-.015R	S108-085-4-.015R	\$29.16	\$31.47
0.090	0.720	0.125	2.50	0.005	S108-090-2-.005R	S108-090-3-.005R	S108-090-4-.005R	\$28.24	\$30.55
0.090	0.720	0.125	2.50	0.010	S108-090-2-.010R	S108-090-3-.010R	S108-090-4-.010R	\$28.24	\$30.55
0.090	0.720	0.125	2.50	0.015	S108-090-2-.015R	S108-090-3-.015R	S108-090-4-.015R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.005	S108-093-2-.005R	S108-093-3-.005R	S108-093-4-.005R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.010	S108-093-2-.010R	S108-093-3-.010R	S108-093-4-.010R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.015	S108-093-2-.015R	S108-093-3-.015R	S108-093-4-.015R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.020	S108-093-2-.020R	S108-093-3-.020R	S108-093-4-.020R	\$28.24	\$30.55
0.095	0.760	0.125	2.50	0.005	S108-095-2-.005R	S108-095-3-.005R	S108-095-4-.005R	\$28.24	\$30.55
0.095	0.760	0.125	2.50	0.010	S108-095-2-.010R	S108-095-3-.010R	S108-095-4-.010R	\$28.24	\$30.55
0.095	0.760	0.125	2.50	0.015	S108-095-2-.015R	S108-095-3-.015R	S108-095-4-.015R	\$28.24	\$30.55
0.100	0.800	0.125	2.50	0.005	S108-100-2-.005R	S108-100-3-.005R	S108-100-4-.005R	\$28.24	\$30.55
0.100	0.800	0.125	2.50	0.010	S108-100-2-.010R	S108-100-3-.010R	S108-100-4-.010R	\$28.24	\$30.55
0.100	0.800	0.125	2.50	0.015	S108-100-2-.015R	S108-100-3-.015R	S108-100-4-.015R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.005	S108-118-2-.005R	S108-118-3-.005R	S108-118-4-.005R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.010	S108-118-2-.010R	S108-118-3-.010R	S108-118-4-.010R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.015	S108-118-2-.015R	S108-118-3-.015R	S108-118-4-.015R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.020	S108-118-2-.020R	S108-118-3-.020R	S108-118-4-.020R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.005	S108-125-2-.005R	S108-125-3-.005R	S108-125-4-.005R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.010	S108-125-2-.010R	S108-125-3-.010R	S108-125-4-.010R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.015	S108-125-2-.015R	S108-125-3-.015R	S108-125-4-.015R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.020	S108-125-2-.020R	S108-125-3-.020R	S108-125-4-.020R	\$28.24	\$30.55



Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.



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S109

Corner Radius Micro End Mills

**FLUTES
2,3,4**

**12X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

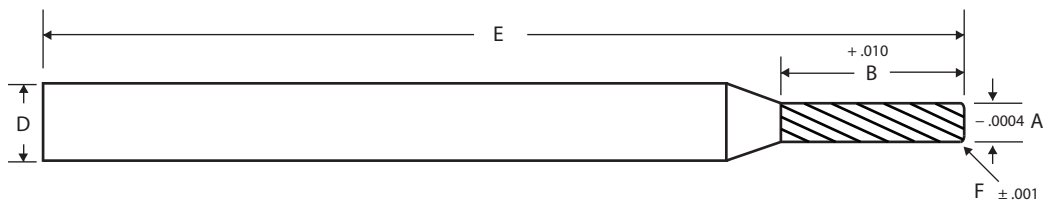
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F					
0.015 (1/64)	0.180	0.125	2.50	0.003	S109-015-2-.003R	S109-015-3-.003R	S109-015-4-.003R	\$79.82	\$82.13
0.020	0.240	0.125	2.50	0.005	S109-020-2-.005R	S109-020-3-.005R	S109-020-4-.005R	\$76.23	\$78.54
0.025	0.300	0.125	2.50	0.005	S109-025-2-.005R	S109-025-3-.005R	S109-025-4-.005R	\$72.82	\$75.13
0.030	0.360	0.125	2.50	0.005	S109-030-2-.005R	S109-030-3-.005R	S109-030-4-.005R	\$66.88	\$69.19
0.030	0.360	0.125	2.50	0.010	S109-030-2-.010R	S109-030-3-.010R	S109-030-4-.010R	\$66.88	\$69.19
0.031 (1/32)	0.372	0.125	2.50	0.005	S109-031-2-.005R	S109-031-3-.005R	S109-031-4-.005R	\$66.88	\$69.19
0.031 (1/32)	0.372	0.125	2.50	0.010	S109-031-2-.010R	S109-031-3-.010R	S109-031-4-.010R	\$66.88	\$69.19
0.035	0.420	0.125	2.50	0.005	S109-035-2-.005R	S109-035-3-.005R	S109-035-4-.005R	\$66.88	\$69.19
0.035	0.420	0.125	2.50	0.010	S109-035-2-.010R	S109-035-3-.010R	S109-035-4-.010R	\$66.88	\$69.19
0.039 (1mm)	0.468	0.125	2.50	0.005	S109-039-2-.005R	S109-039-3-.005R	S109-039-4-.005R	\$66.88	\$69.19
0.039 (1mm)	0.468	0.125	2.50	0.010	S109-039-2-.010R	S109-039-3-.010R	S109-039-4-.010R	\$66.88	\$69.19
0.040	0.480	0.125	2.50	0.005	S109-040-2-.005R	S109-040-3-.005R	S109-040-4-.005R	\$66.88	\$69.19
0.040	0.480	0.125	2.50	0.010	S109-040-2-.010R	S109-040-3-.010R	S109-040-4-.010R	\$66.88	\$69.19
0.045	0.540	0.125	2.50	0.005	S109-045-2-.005R	S109-045-3-.005R	S109-045-4-.005R	\$66.88	\$69.19
0.045	0.540	0.125	2.50	0.010	S109-045-2-.010R	S109-045-3-.010R	S109-045-4-.010R	\$66.88	\$69.19
0.045	0.540	0.125	2.50	0.015	S109-045-2-.015R	S109-045-3-.015R	S109-045-4-.015R	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	0.005	S109-047-2-.005R	S109-047-3-.005R	S109-047-4-.005R	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	0.010	S109-047-2-.010R	S109-047-3-.010R	S109-047-4-.010R	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	0.015	S109-047-2-.015R	S109-047-3-.015R	S109-047-4-.015R	\$66.88	\$69.19
0.050	0.600	0.125	2.50	0.005	S109-050-2-.005R	S109-050-3-.005R	S109-050-4-.005R	\$59.37	\$61.68
0.050	0.600	0.125	2.50	0.010	S109-050-2-.010R	S109-050-3-.010R	S109-050-4-.010R	\$59.37	\$61.68
0.050	0.600	0.125	2.50	0.015	S109-050-2-.015R	S109-050-3-.015R	S109-050-4-.015R	\$59.37	\$61.68
0.055	0.660	0.125	2.50	0.005	S109-055-2-.005R	S109-055-3-.005R	S109-055-4-.005R	\$59.37	\$61.68
0.055	0.660	0.125	2.50	0.010	S109-055-2-.010R	S109-055-3-.010R	S109-055-4-.010R	\$59.37	\$61.68
0.055	0.660	0.125	2.50	0.015	S109-055-2-.015R	S109-055-3-.015R	S109-055-4-.015R	\$59.37	\$61.68
0.060	0.720	0.125	2.50	0.005	S109-060-2-.005R	S109-060-3-.005R	S109-060-4-.005R	\$53.25	\$55.56
0.060	0.720	0.125	2.50	0.010	S109-060-2-.010R	S109-060-3-.010R	S109-060-4-.010R	\$53.25	\$55.56
0.060	0.720	0.125	2.50	0.015	S109-060-2-.015R	S109-060-3-.015R	S109-060-4-.015R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.005	S109-062-2-.005R	S109-062-3-.005R	S109-062-4-.005R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.010	S109-062-2-.010R	S109-062-3-.010R	S109-062-4-.010R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.015	S109-062-2-.015R	S109-062-3-.015R	S109-062-4-.015R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.020	S109-062-2-.020R	S109-062-3-.020R	S109-062-4-.020R	\$53.25	\$55.56
0.065	0.780	0.125	2.50	0.005	S109-065-2-.005R	S109-065-3-.005R	S109-065-4-.005R	\$53.25	\$55.56
0.065	0.780	0.125	2.50	0.010	S109-065-2-.010R	S109-065-3-.010R	S109-065-4-.010R	\$53.25	\$55.56
0.065	0.780	0.125	2.50	0.015	S109-065-2-.015R	S109-065-3-.015R	S109-065-4-.015R	\$53.25	\$55.56
0.070	0.840	0.125	2.50	0.005	S109-070-2-.005R	S109-070-3-.005R	S109-070-4-.005R	\$52.67	\$54.98
0.070	0.840	0.125	2.50	0.010	S109-070-2-.010R	S109-070-3-.010R	S109-070-4-.010R	\$52.67	\$54.98
0.070	0.840	0.125	2.50	0.015	S109-070-2-.015R	S109-070-3-.015R	S109-070-4-.015R	\$52.67	\$54.98
0.075	0.900	0.125	2.50	0.005	S109-075-2-.005R	S109-075-3-.005R	S109-075-4-.005R	\$52.67	\$54.98
0.075	0.900	0.125	2.50	0.010	S109-075-2-.010R	S109-075-3-.010R	S109-075-4-.010R	\$52.67	\$54.98
0.075	0.900	0.125	2.50	0.015	S109-075-2-.015R	S109-075-3-.015R	S109-075-4-.015R	\$52.67	\$54.98

Corner Radius Micro End Mills

S109
**FLUTES
2,3,4**
**12X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F					
0.078 (5/64)	0.936	0.125	2.50	0.005	S109-078-2-.005R	S109-078-3-.005R	S109-078-4-.005R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.010	S109-078-2-.010R	S109-078-3-.010R	S109-078-4-.010R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.015	S109-078-2-.015R	S109-078-3-.015R	S109-078-4-.015R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.020	S109-078-2-.020R	S109-078-3-.020R	S109-078-4-.020R	\$52.67	\$54.98
0.080	0.960	0.125	2.50	0.005	S109-080-2-.005R	S109-080-3-.005R	S109-080-4-.005R	\$52.67	\$54.98
0.080	0.960	0.125	2.50	0.010	S109-080-2-.010R	S109-080-3-.010R	S109-080-4-.010R	\$52.67	\$54.98
0.080	0.960	0.125	2.50	0.015	S109-080-2-.015R	S109-080-3-.015R	S109-080-4-.015R	\$52.67	\$54.98
0.085	1.020	0.125	2.50	0.005	S109-085-2-.005R	S109-085-3-.005R	S109-085-4-.005R	\$52.67	\$54.98
0.085	1.020	0.125	2.50	0.010	S109-085-2-.010R	S109-085-3-.010R	S109-085-4-.010R	\$52.67	\$54.98
0.085	1.020	0.125	2.50	0.015	S109-085-2-.015R	S109-085-3-.015R	S109-085-4-.015R	\$52.67	\$54.98
0.090	1.080	0.125	2.50	0.005	S109-090-2-.005R	S109-090-3-.005R	S109-090-4-.005R	\$51.69	\$54.00
0.090	1.080	0.125	2.50	0.010	S109-090-2-.010R	S109-090-3-.010R	S109-090-4-.010R	\$51.69	\$54.00
0.090	1.080	0.125	2.50	0.015	S109-090-2-.015R	S109-090-3-.015R	S109-090-4-.015R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.005	S109-093-2-.005R	S109-093-3-.005R	S109-093-4-.005R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.010	S109-093-2-.010R	S109-093-3-.010R	S109-093-4-.010R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.015	S109-093-2-.015R	S109-093-3-.015R	S109-093-4-.015R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.020	S109-093-2-.020R	S109-093-3-.020R	S109-093-4-.020R	\$51.69	\$54.00
0.095	1.140	0.125	2.50	0.005	S109-095-2-.005R	S109-095-3-.005R	S109-095-4-.005R	\$51.69	\$54.00
0.095	1.140	0.125	2.50	0.010	S109-095-2-.010R	S109-095-3-.010R	S109-095-4-.010R	\$51.69	\$54.00
0.095	1.140	0.125	2.50	0.015	S109-095-2-.015R	S109-095-3-.015R	S109-095-4-.015R	\$51.69	\$54.00
0.100	1.200	0.125	2.50	0.005	S109-100-2-.005R	S109-100-3-.005R	S109-100-4-.005R	\$51.69	\$54.00
0.100	1.200	0.125	2.50	0.010	S109-100-2-.010R	S109-100-3-.010R	S109-100-4-.010R	\$51.69	\$54.00
0.100	1.200	0.125	2.50	0.015	S109-100-2-.015R	S109-100-3-.015R	S109-100-4-.015R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.005	S109-118-2-.005R	S109-118-3-.005R	S109-118-4-.005R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.010	S109-118-2-.010R	S109-118-3-.010R	S109-118-4-.010R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.015	S109-118-2-.015R	S109-118-3-.015R	S109-118-4-.015R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.020	S109-118-2-.020R	S109-118-3-.020R	S109-118-4-.020R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.005	S109-125-2-.005R	S109-125-3-.005R	S109-125-4-.005R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.010	S109-125-2-.010R	S109-125-3-.010R	S109-125-4-.010R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.015	S109-125-2-.015R	S109-125-3-.015R	S109-125-4-.015R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.020	S109-125-2-.020R	S109-125-3-.020R	S109-125-4-.020R	\$51.69	\$54.00



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S87

Corner Radius Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

5X
REACH

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

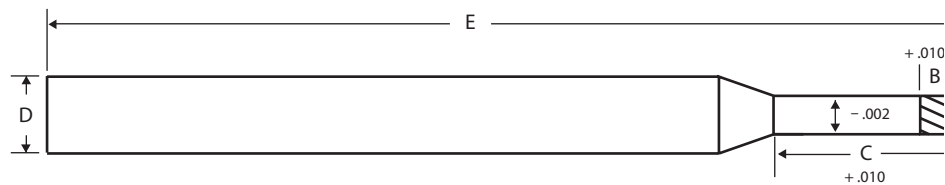
Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F					
0.015 (1/64)	0.023	0.075	0.125	2.50	0.003	S87-015-2-.003R5XR	S87-015-3-.003R5XR	S87-015-4-.003R5XR	\$46.95	\$49.26
0.020	0.030	0.100	0.125	2.50	0.005	S87-020-2-.005R5XR	S87-020-3-.005R5XR	S87-020-4-.005R5XR	\$44.29	\$46.60
0.025	0.038	0.125	0.125	2.50	0.005	S87-025-2-.005R5XR	S87-025-3-.005R5XR	S87-025-4-.005R5XR	\$43.89	\$46.20
0.030	0.045	0.150	0.125	2.50	0.005	S87-030-2-.005R5XR	S87-030-3-.005R5XR	S87-030-4-.005R5XR	\$39.39	\$41.70
0.030	0.045	0.150	0.125	2.50	0.010	S87-030-2-.010R5XR	S87-030-3-.010R5XR	S87-030-4-.010R5XR	\$39.39	\$41.70
0.031 (1/32)	0.047	0.155	0.125	2.50	0.005	S87-031-2-.005R5XR	S87-031-3-.005R5XR	S87-031-4-.005R5XR	\$39.39	\$41.70
0.031 (1/32)	0.047	0.155	0.125	2.50	0.010	S87-031-2-.010R5XR	S87-031-3-.010R5XR	S87-031-4-.010R5XR	\$39.39	\$41.70
0.035	0.053	0.175	0.125	2.50	0.005	S87-035-2-.005R5XR	S87-035-3-.005R5XR	S87-035-4-.005R5XR	\$37.94	\$40.25
0.035	0.053	0.175	0.125	2.50	0.010	S87-035-2-.010R5XR	S87-035-3-.010R5XR	S87-035-4-.010R5XR	\$37.94	\$40.25
0.039 (1mm)	0.059	0.195	0.125	2.50	0.005	S87-039-2-.005R5XR	S87-039-3-.005R5XR	S87-039-4-.005R5XR	\$37.94	\$40.25
0.039 (1mm)	0.059	0.195	0.125	2.50	0.010	S87-039-2-.010R5XR	S87-039-3-.010R5XR	S87-039-4-.010R5XR	\$37.94	\$40.25
0.040	0.060	0.200	0.125	2.50	0.005	S87-040-2-.005R5XR	S87-040-3-.005R5XR	S87-040-4-.005R5XR	\$37.94	\$40.25
0.040	0.060	0.200	0.125	2.50	0.010	S87-040-2-.010R5XR	S87-040-3-.010R5XR	S87-040-4-.010R5XR	\$37.94	\$40.25
0.045	0.068	0.225	0.125	2.50	0.005	S87-045-2-.005R5XR	S87-045-3-.005R5XR	S87-045-4-.005R5XR	\$37.94	\$40.25
0.045	0.068	0.225	0.125	2.50	0.010	S87-045-2-.010R5XR	S87-045-3-.010R5XR	S87-045-4-.010R5XR	\$37.94	\$40.25
0.045	0.068	0.225	0.125	2.50	0.015	S87-045-2-.015R5XR	S87-045-3-.015R5XR	S87-045-4-.015R5XR	\$37.94	\$40.25
0.047 (3/64)	0.071	0.235	0.125	2.50	0.005	S87-047-2-.005R5XR	S87-047-3-.005R5XR	S87-047-4-.005R5XR	\$37.94	\$40.25
0.047 (3/64)	0.071	0.235	0.125	2.50	0.010	S87-047-2-.010R5XR	S87-047-3-.010R5XR	S87-047-4-.010R5XR	\$37.94	\$40.25
0.047 (3/64)	0.071	0.235	0.125	2.50	0.015	S87-047-2-.015R5XR	S87-047-3-.015R5XR	S87-047-4-.015R5XR	\$37.94	\$40.25
0.050	0.075	0.250	0.125	2.50	0.005	S87-050-2-.005R5XR	S87-050-3-.005R5XR	S87-050-4-.005R5XR	\$37.94	\$40.25
0.050	0.075	0.250	0.125	2.50	0.010	S87-050-2-.010R5XR	S87-050-3-.010R5XR	S87-050-4-.010R5XR	\$37.94	\$40.25
0.050	0.075	0.250	0.125	2.50	0.015	S87-050-2-.015R5XR	S87-050-3-.015R5XR	S87-050-4-.015R5XR	\$37.94	\$40.25
0.055	0.083	0.275	0.125	2.50	0.005	S87-055-2-.005R5XR	S87-055-3-.005R5XR	S87-055-4-.005R5XR	\$37.94	\$40.25
0.055	0.083	0.275	0.125	2.50	0.010	S87-055-2-.010R5XR	S87-055-3-.010R5XR	S87-055-4-.010R5XR	\$37.94	\$40.25
0.055	0.083	0.275	0.125	2.50	0.015	S87-055-2-.015R5XR	S87-055-3-.015R5XR	S87-055-4-.015R5XR	\$37.94	\$40.25
0.060	0.090	0.300	0.125	2.50	0.005	S87-060-2-.005R5XR	S87-060-3-.005R5XR	S87-060-4-.005R5XR	\$37.94	\$40.25
0.060	0.090	0.300	0.125	2.50	0.010	S87-060-2-.010R5XR	S87-060-3-.010R5XR	S87-060-4-.010R5XR	\$37.94	\$40.25
0.060	0.090	0.300	0.125	2.50	0.015	S87-060-2-.015R5XR	S87-060-3-.015R5XR	S87-060-4-.015R5XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.310	0.125	2.50	0.005	S87-062-2-.005R5XR	S87-062-3-.005R5XR	S87-062-4-.005R5XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.310	0.125	2.50	0.010	S87-062-2-.010R5XR	S87-062-3-.010R5XR	S87-062-4-.010R5XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.310	0.125	2.50	0.015	S87-062-2-.015R5XR	S87-062-3-.015R5XR	S87-062-4-.015R5XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.310	0.125	2.50	0.020	S87-062-2-.020R5XR	S87-062-3-.020R5XR	S87-062-4-.020R5XR	\$37.94	\$40.25
0.065	0.098	0.325	0.125	2.50	0.005	S87-065-2-.005R5XR	S87-065-3-.005R5XR	S87-065-4-.005R5XR	\$37.94	\$40.25
0.065	0.098	0.325	0.125	2.50	0.010	S87-065-2-.010R5XR	S87-065-3-.010R5XR	S87-065-4-.010R5XR	\$37.94	\$40.25
0.065	0.098	0.325	0.125	2.50	0.015	S87-065-2-.015R5XR	S87-065-3-.015R5XR	S87-065-4-.015R5XR	\$37.94	\$40.25
0.070	0.105	0.350	0.125	2.50	0.005	S87-070-2-.005R5XR	S87-070-3-.005R5XR	S87-070-4-.005R5XR	\$37.14	\$39.45
0.070	0.105	0.350	0.125	2.50	0.010	S87-070-2-.010R5XR	S87-070-3-.010R5XR	S87-070-4-.010R5XR	\$37.14	\$39.45
0.070	0.105	0.350	0.125	2.50	0.015	S87-070-2-.015R5XR	S87-070-3-.015R5XR	S87-070-4-.015R5XR	\$37.14	\$39.45
0.075	0.113	0.375	0.125	2.50	0.005	S87-075-2-.005R5XR	S87-075-3-.005R5XR	S87-075-4-.005R5XR	\$37.14	\$39.45
0.075	0.113	0.375	0.125	2.50	0.010	S87-075-2-.010R5XR	S87-075-3-.010R5XR	S87-075-4-.010R5XR	\$37.14	\$39.45
0.075	0.113	0.375	0.125	2.50	0.015	S87-075-2-.015R5XR	S87-075-3-.015R5XR	S87-075-4-.015R5XR	\$37.14	\$39.45

Corner Radius Micro End Mills

S87
**FLUTES
2,3,4**
**1.5X
LENGTH
OF CUT**
**5X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F					
0.078 (5/64)	0.117	0.390	0.125	2.50	0.005	S87-078-2-.005R5XR	S87-078-3-.005R5XR	S87-078-4-.005R5XR	\$37.14	\$39.45
0.078 (5/64)	0.117	0.390	0.125	2.50	0.010	S87-078-2-.010R5XR	S87-078-3-.010R5XR	S87-078-4-.010R5XR	\$37.14	\$39.45
0.078 (5/64)	0.117	0.390	0.125	2.50	0.015	S87-078-2-.015R5XR	S87-078-3-.015R5XR	S87-078-4-.015R5XR	\$37.14	\$39.45
0.078 (5/64)	0.117	0.390	0.125	2.50	0.020	S87-078-2-.020R5XR	S87-078-3-.020R5XR	S87-078-4-.020R5XR	\$37.14	\$39.45
0.080	0.120	0.400	0.125	2.50	0.005	S87-080-2-.005R5XR	S87-080-3-.005R5XR	S87-080-4-.005R5XR	\$37.14	\$39.45
0.080	0.120	0.400	0.125	2.50	0.010	S87-080-2-.010R5XR	S87-080-3-.010R5XR	S87-080-4-.010R5XR	\$37.14	\$39.45
0.080	0.120	0.400	0.125	2.50	0.015	S87-080-2-.015R5XR	S87-080-3-.015R5XR	S87-080-4-.015R5XR	\$37.14	\$39.45
0.085	0.128	0.425	0.125	2.50	0.005	S87-085-2-.005R5XR	S87-085-3-.005R5XR	S87-085-4-.005R5XR	\$37.14	\$39.45
0.085	0.128	0.425	0.125	2.50	0.010	S87-085-2-.010R5XR	S87-085-3-.010R5XR	S87-085-4-.010R5XR	\$37.14	\$39.45
0.085	0.128	0.425	0.125	2.50	0.015	S87-085-2-.015R5XR	S87-085-3-.015R5XR	S87-085-4-.015R5XR	\$37.14	\$39.45
0.090	0.135	0.450	0.125	2.50	0.005	S87-090-2-.005R5XR	S87-090-3-.005R5XR	S87-090-4-.005R5XR	\$37.14	\$39.45
0.090	0.135	0.450	0.125	2.50	0.010	S87-090-2-.010R5XR	S87-090-3-.010R5XR	S87-090-4-.010R5XR	\$37.14	\$39.45
0.090	0.135	0.450	0.125	2.50	0.015	S87-090-2-.015R5XR	S87-090-3-.015R5XR	S87-090-4-.015R5XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.465	0.125	2.50	0.005	S87-093-2-.005R5XR	S87-093-3-.005R5XR	S87-093-4-.005R5XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.465	0.125	2.50	0.010	S87-093-2-.010R5XR	S87-093-3-.010R5XR	S87-093-4-.010R5XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.465	0.125	2.50	0.015	S87-093-2-.015R5XR	S87-093-3-.015R5XR	S87-093-4-.015R5XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.465	0.125	2.50	0.020	S87-093-2-.020R5XR	S87-093-3-.020R5XR	S87-093-4-.020R5XR	\$37.14	\$39.45
0.095	0.143	0.475	0.125	2.50	0.005	S87-095-2-.005R5XR	S87-095-3-.005R5XR	S87-095-4-.005R5XR	\$37.14	\$39.45
0.095	0.143	0.475	0.125	2.50	0.010	S87-095-2-.010R5XR	S87-095-3-.010R5XR	S87-095-4-.010R5XR	\$37.14	\$39.45
0.095	0.143	0.475	0.125	2.50	0.015	S87-095-2-.015R5XR	S87-095-3-.015R5XR	S87-095-4-.015R5XR	\$37.14	\$39.45
0.100	0.150	0.500	0.125	2.50	0.005	S87-100-2-.005R5XR	S87-100-3-.005R5XR	S87-100-4-.005R5XR	\$36.85	\$39.16
0.100	0.150	0.500	0.125	2.50	0.010	S87-100-2-.010R5XR	S87-100-3-.010R5XR	S87-100-4-.010R5XR	\$36.85	\$39.16
0.100	0.150	0.500	0.125	2.50	0.015	S87-100-2-.015R5XR	S87-100-3-.015R5XR	S87-100-4-.015R5XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.590	0.125	2.50	0.005	S87-118-2-.005R5XR	S87-118-3-.005R5XR	S87-118-4-.005R5XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.590	0.125	2.50	0.010	S87-118-2-.010R5XR	S87-118-3-.010R5XR	S87-118-4-.010R5XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.590	0.125	2.50	0.015	S87-118-2-.015R5XR	S87-118-3-.015R5XR	S87-118-4-.015R5XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.590	0.125	2.50	0.020	S87-118-2-.020R5XR	S87-118-3-.020R5XR	S87-118-4-.020R5XR	\$36.85	\$39.16
0.125 (1/8)	0.188	0.625	0.125	2.50	0.005	S87-125-2-.005R5XR	S87-125-3-.005R5XR	S87-125-4-.005R5XR	\$36.85	\$39.16
0.125 (1/8)	0.188	0.625	0.125	2.50	0.010	S87-125-2-.010R5XR	S87-125-3-.010R5XR	S87-125-4-.010R5XR	\$36.85	\$39.16
0.125 (1/8)	0.188	0.625	0.125	2.50	0.015	S87-125-2-.015R5XR	S87-125-3-.015R5XR	S87-125-4-.015R5XR	\$36.85	\$39.16
0.125 (1/8)	0.188	0.625	0.125	2.50	0.020	S87-125-2-.020R5XR	S87-125-3-.020R5XR	S87-125-4-.020R5XR	\$36.85	\$39.16


IN STOCK, ON DEMAND
P.117

All standard tools can be manufactured and shipped within 3 days of receiving the purchase order. See page 117 for more information regarding turnaround times, stocking programs, and delivery options for both standard and custom tools.



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31

S84

Corner Radius Micro End Mills

FLUTES
2,3,4

3X
LENGTH
OF CUT

5X
REACH

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

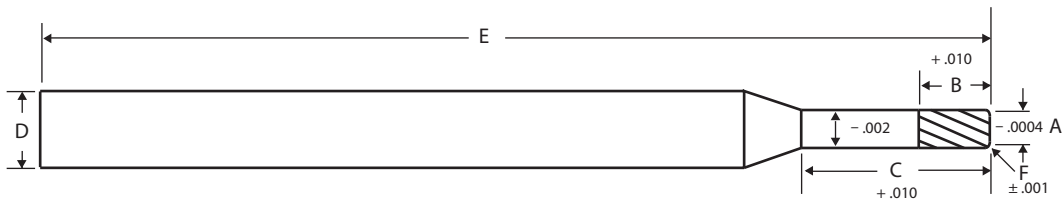
Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F					
0.015 (1/64)	0.045	0.075	0.125	2.50	0.003	S84-015-2-.003R5XR	S84-015-3-.003R5XR	S84-015-4-.003R5XR	\$46.95	\$49.26
0.020	0.060	0.100	0.125	2.50	0.005	S84-020-2-.005R5XR	S84-020-3-.005R5XR	S84-020-4-.005R5XR	\$44.29	\$46.60
0.025	0.075	0.125	0.125	2.50	0.005	S84-025-2-.005R5XR	S84-025-3-.005R5XR	S84-025-4-.005R5XR	\$43.89	\$46.20
0.030	0.090	0.150	0.125	2.50	0.005	S84-030-2-.005R5XR	S84-030-3-.005R5XR	S84-030-4-.005R5XR	\$39.39	\$41.70
0.030	0.090	0.150	0.125	2.50	0.010	S84-030-2-.010R5XR	S84-030-3-.010R5XR	S84-030-4-.010R5XR	\$39.39	\$41.70
0.031 (1/32)	0.093	0.155	0.125	2.50	0.005	S84-031-2-.005R5XR	S84-031-3-.005R5XR	S84-031-4-.005R5XR	\$39.39	\$41.70
0.031 (1/32)	0.093	0.155	0.125	2.50	0.010	S84-031-2-.010R5XR	S84-031-3-.010R5XR	S84-031-4-.010R5XR	\$39.39	\$41.70
0.035	0.105	0.175	0.125	2.50	0.005	S84-035-2-.005R5XR	S84-035-3-.005R5XR	S84-035-4-.005R5XR	\$37.94	\$40.25
0.035	0.105	0.175	0.125	2.50	0.010	S84-035-2-.010R5XR	S84-035-3-.010R5XR	S84-035-4-.010R5XR	\$37.94	\$40.25
0.039 (1mm)	0.117	0.195	0.125	2.50	0.005	S84-039-2-.005R5XR	S84-039-3-.005R5XR	S84-039-4-.005R5XR	\$37.94	\$40.25
0.039 (1mm)	0.117	0.195	0.125	2.50	0.010	S84-039-2-.010R5XR	S84-039-3-.010R5XR	S84-039-4-.010R5XR	\$37.94	\$40.25
0.040	0.120	0.200	0.125	2.50	0.005	S84-040-2-.005R5XR	S84-040-3-.005R5XR	S84-040-4-.005R5XR	\$37.94	\$40.25
0.040	0.120	0.200	0.125	2.50	0.010	S84-040-2-.010R5XR	S84-040-3-.010R5XR	S84-040-4-.010R5XR	\$37.94	\$40.25
0.045	0.135	0.225	0.125	2.50	0.005	S84-045-2-.005R5XR	S84-045-3-.005R5XR	S84-045-4-.005R5XR	\$37.94	\$40.25
0.045	0.135	0.225	0.125	2.50	0.010	S84-045-2-.010R5XR	S84-045-3-.010R5XR	S84-045-4-.010R5XR	\$37.94	\$40.25
0.045	0.135	0.225	0.125	2.50	0.015	S84-045-2-.015R5XR	S84-045-3-.015R5XR	S84-045-4-.015R5XR	\$37.94	\$40.25
0.047 (3/64)	0.141	0.235	0.125	2.50	0.005	S84-047-2-.005R5XR	S84-047-3-.005R5XR	S84-047-4-.005R5XR	\$37.94	\$40.25
0.047 (3/64)	0.141	0.235	0.125	2.50	0.010	S84-047-2-.010R5XR	S84-047-3-.010R5XR	S84-047-4-.010R5XR	\$37.94	\$40.25
0.047 (3/64)	0.141	0.235	0.125	2.50	0.015	S84-047-2-.015R5XR	S84-047-3-.015R5XR	S84-047-4-.015R5XR	\$37.94	\$40.25
0.050	0.150	0.250	0.125	2.50	0.005	S84-050-2-.005R5XR	S84-050-3-.005R5XR	S84-050-4-.005R5XR	\$37.94	\$40.25
0.050	0.150	0.250	0.125	2.50	0.010	S84-050-2-.010R5XR	S84-050-3-.010R5XR	S84-050-4-.010R5XR	\$37.94	\$40.25
0.050	0.150	0.250	0.125	2.50	0.015	S84-050-2-.015R5XR	S84-050-3-.015R5XR	S84-050-4-.015R5XR	\$37.94	\$40.25
0.055	0.165	0.275	0.125	2.50	0.005	S84-055-2-.005R5XR	S84-055-3-.005R5XR	S84-055-4-.005R5XR	\$37.94	\$40.25
0.055	0.165	0.275	0.125	2.50	0.010	S84-055-2-.010R5XR	S84-055-3-.010R5XR	S84-055-4-.010R5XR	\$37.94	\$40.25
0.055	0.165	0.275	0.125	2.50	0.015	S84-055-2-.015R5XR	S84-055-3-.015R5XR	S84-055-4-.015R5XR	\$37.94	\$40.25
0.060	0.180	0.300	0.125	2.50	0.005	S84-060-2-.005R5XR	S84-060-3-.005R5XR	S84-060-4-.005R5XR	\$37.94	\$40.25
0.060	0.180	0.300	0.125	2.50	0.010	S84-060-2-.010R5XR	S84-060-3-.010R5XR	S84-060-4-.010R5XR	\$37.94	\$40.25
0.060	0.180	0.300	0.125	2.50	0.015	S84-060-2-.015R5XR	S84-060-3-.015R5XR	S84-060-4-.015R5XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.310	0.125	2.50	0.005	S84-062-2-.005R5XR	S84-062-3-.005R5XR	S84-062-4-.005R5XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.310	0.125	2.50	0.010	S84-062-2-.010R5XR	S84-062-3-.010R5XR	S84-062-4-.010R5XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.310	0.125	2.50	0.015	S84-062-2-.015R5XR	S84-062-3-.015R5XR	S84-062-4-.015R5XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.310	0.125	2.50	0.020	S84-062-2-.020R5XR	S84-062-3-.020R5XR	S84-062-4-.020R5XR	\$37.94	\$40.25
0.065	0.195	0.325	0.125	2.50	0.005	S84-065-2-.005R5XR	S84-065-3-.005R5XR	S84-065-4-.005R5XR	\$37.94	\$40.25
0.065	0.195	0.325	0.125	2.50	0.010	S84-065-2-.010R5XR	S84-065-3-.010R5XR	S84-065-4-.010R5XR	\$37.94	\$40.25
0.065	0.195	0.325	0.125	2.50	0.015	S84-065-2-.015R5XR	S84-065-3-.015R5XR	S84-065-4-.015R5XR	\$37.94	\$40.25
0.070	0.210	0.350	0.125	2.50	0.005	S84-070-2-.005R5XR	S84-070-3-.005R5XR	S84-070-4-.005R5XR	\$37.14	\$39.45
0.070	0.210	0.350	0.125	2.50	0.010	S84-070-2-.010R5XR	S84-070-3-.010R5XR	S84-070-4-.010R5XR	\$37.14	\$39.45
0.070	0.210	0.350	0.125	2.50	0.015	S84-070-2-.015R5XR	S84-070-3-.015R5XR	S84-070-4-.015R5XR	\$37.14	\$39.45
0.075	0.225	0.375	0.125	2.50	0.005	S84-075-2-.005R5XR	S84-075-3-.005R5XR	S84-075-4-.005R5XR	\$37.14	\$39.45
0.075	0.225	0.375	0.125	2.50	0.010	S84-075-2-.010R5XR	S84-075-3-.010R5XR	S84-075-4-.010R5XR	\$37.14	\$39.45
0.075	0.225	0.375	0.125	2.50	0.015	S84-075-2-.015R5XR	S84-075-3-.015R5XR	S84-075-4-.015R5XR	\$37.14	\$39.45

Corner Radius Micro End Mills

S84
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
**5X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F					
0.078 (5/64)	0.234	0.390	0.125	2.50	0.005	S84-078-2-.005R5XR	S84-078-3-.005R5XR	S84-078-4-.005R5XR	\$37.14	\$39.45
0.078 (5/64)	0.234	0.390	0.125	2.50	0.010	S84-078-2-.010R5XR	S84-078-3-.010R5XR	S84-078-4-.010R5XR	\$37.14	\$39.45
0.078 (5/64)	0.234	0.390	0.125	2.50	0.015	S84-078-2-.015R5XR	S84-078-3-.015R5XR	S84-078-4-.015R5XR	\$37.14	\$39.45
0.078 (5/64)	0.234	0.390	0.125	2.50	0.020	S84-078-2-.020R5XR	S84-078-3-.020R5XR	S84-078-4-.020R5XR	\$37.14	\$39.45
0.080	0.240	0.400	0.125	2.50	0.005	S84-080-2-.005R5XR	S84-080-3-.005R5XR	S84-080-4-.005R5XR	\$37.14	\$39.45
0.080	0.240	0.400	0.125	2.50	0.010	S84-080-2-.010R5XR	S84-080-3-.010R5XR	S84-080-4-.010R5XR	\$37.14	\$39.45
0.080	0.240	0.400	0.125	2.50	0.015	S84-080-2-.015R5XR	S84-080-3-.015R5XR	S84-080-4-.015R5XR	\$37.14	\$39.45
0.085	0.255	0.425	0.125	2.50	0.005	S84-085-2-.005R5XR	S84-085-3-.005R5XR	S84-085-4-.005R5XR	\$37.14	\$39.45
0.085	0.255	0.425	0.125	2.50	0.010	S84-085-2-.010R5XR	S84-085-3-.010R5XR	S84-085-4-.010R5XR	\$37.14	\$39.45
0.085	0.255	0.425	0.125	2.50	0.015	S84-085-2-.015R5XR	S84-085-3-.015R5XR	S84-085-4-.015R5XR	\$37.14	\$39.45
0.090	0.270	0.450	0.125	2.50	0.005	S84-090-2-.005R5XR	S84-090-3-.005R5XR	S84-090-4-.005R5XR	\$37.14	\$39.45
0.090	0.270	0.450	0.125	2.50	0.010	S84-090-2-.010R5XR	S84-090-3-.010R5XR	S84-090-4-.010R5XR	\$37.14	\$39.45
0.090	0.270	0.450	0.125	2.50	0.015	S84-090-2-.015R5XR	S84-090-3-.015R5XR	S84-090-4-.015R5XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.465	0.125	2.50	0.005	S84-093-2-.005R5XR	S84-093-3-.005R5XR	S84-093-4-.005R5XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.465	0.125	2.50	0.010	S84-093-2-.010R5XR	S84-093-3-.010R5XR	S84-093-4-.010R5XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.465	0.125	2.50	0.015	S84-093-2-.015R5XR	S84-093-3-.015R5XR	S84-093-4-.015R5XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.465	0.125	2.50	0.020	S84-093-2-.020R5XR	S84-093-3-.020R5XR	S84-093-4-.020R5XR	\$37.14	\$39.45
0.095	0.285	0.475	0.125	2.50	0.005	S84-095-2-.005R5XR	S84-095-3-.005R5XR	S84-095-4-.005R5XR	\$37.14	\$39.45
0.095	0.285	0.475	0.125	2.50	0.010	S84-095-2-.010R5XR	S84-095-3-.010R5XR	S84-095-4-.010R5XR	\$37.14	\$39.45
0.095	0.285	0.475	0.125	2.50	0.015	S84-095-2-.015R5XR	S84-095-3-.015R5XR	S84-095-4-.015R5XR	\$37.14	\$39.45
0.100	0.300	0.500	0.125	2.50	0.005	S84-100-2-.005R5XR	S84-100-3-.005R5XR	S84-100-4-.005R5XR	\$36.85	\$39.16
0.100	0.300	0.500	0.125	2.50	0.010	S84-100-2-.010R5XR	S84-100-3-.010R5XR	S84-100-4-.010R5XR	\$36.85	\$39.16
0.100	0.300	0.500	0.125	2.50	0.015	S84-100-2-.015R5XR	S84-100-3-.015R5XR	S84-100-4-.015R5XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.590	0.125	2.50	0.005	S84-118-2-.005R5XR	S84-118-3-.005R5XR	S84-118-4-.005R5XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.590	0.125	2.50	0.010	S84-118-2-.010R5XR	S84-118-3-.010R5XR	S84-118-4-.010R5XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.590	0.125	2.50	0.015	S84-118-2-.015R5XR	S84-118-3-.015R5XR	S84-118-4-.015R5XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.590	0.125	2.50	0.020	S84-118-2-.020R5XR	S84-118-3-.020R5XR	S84-118-4-.020R5XR	\$36.85	\$39.16
0.125 (1/8)	0.375	0.625	0.125	2.50	0.005	S84-125-2-.005R5XR	S84-125-3-.005R5XR	S84-125-4-.005R5XR	\$36.85	\$39.16
0.125 (1/8)	0.375	0.625	0.125	2.50	0.010	S84-125-2-.010R5XR	S84-125-3-.010R5XR	S84-125-4-.010R5XR	\$36.85	\$39.16
0.125 (1/8)	0.375	0.625	0.125	2.50	0.015	S84-125-2-.015R5XR	S84-125-3-.015R5XR	S84-125-4-.015R5XR	\$36.85	\$39.16
0.125 (1/8)	0.375	0.625	0.125	2.50	0.020	S84-125-2-.020R5XR	S84-125-3-.020R5XR	S84-125-4-.020R5XR	\$36.85	\$39.16



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S88

Corner Radius Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

8X
REACH

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F					
0.015 (1/64)	0.023	0.120	0.125	2.50	0.003	S88-015-2-.003R8XR	S88-015-3-.003R8XR	S88-015-4-.003R8XR	\$46.95	\$49.26
0.020	0.030	0.160	0.125	2.50	0.005	S88-020-2-.005R8XR	S88-020-3-.005R8XR	S88-020-4-.005R8XR	\$44.29	\$46.60
0.025	0.038	0.200	0.125	2.50	0.005	S88-025-2-.005R8XR	S88-025-3-.005R8XR	S88-025-4-.005R8XR	\$43.89	\$46.20
0.030	0.045	0.240	0.125	2.50	0.005	S88-030-2-.005R8XR	S88-030-3-.005R8XR	S88-030-4-.005R8XR	\$39.39	\$41.70
0.030	0.045	0.240	0.125	2.50	0.010	S88-030-2-.010R8XR	S88-030-3-.010R8XR	S88-030-4-.010R8XR	\$39.39	\$41.70
0.031 (1/32)	0.047	0.248	0.125	2.50	0.005	S88-031-2-.005R8XR	S88-031-3-.005R8XR	S88-031-4-.005R8XR	\$39.39	\$41.70
0.031 (1/32)	0.047	0.248	0.125	2.50	0.010	S88-031-2-.010R8XR	S88-031-3-.010R8XR	S88-031-4-.010R8XR	\$39.39	\$41.70
0.035	0.053	0.280	0.125	2.50	0.005	S88-035-2-.005R8XR	S88-035-3-.005R8XR	S88-035-4-.005R8XR	\$37.94	\$40.25
0.035	0.053	0.280	0.125	2.50	0.010	S88-035-2-.010R8XR	S88-035-3-.010R8XR	S88-035-4-.010R8XR	\$37.94	\$40.25
0.039 (1mm)	0.059	0.312	0.125	2.50	0.005	S88-039-2-.005R8XR	S88-039-3-.005R8XR	S88-039-4-.005R8XR	\$37.94	\$40.25
0.039 (1mm)	0.059	0.312	0.125	2.50	0.010	S88-039-2-.010R8XR	S88-039-3-.010R8XR	S88-039-4-.010R8XR	\$37.94	\$40.25
0.040	0.060	0.320	0.125	2.50	0.005	S88-040-2-.005R8XR	S88-040-3-.005R8XR	S88-040-4-.005R8XR	\$37.94	\$40.25
0.040	0.060	0.320	0.125	2.50	0.010	S88-040-2-.010R8XR	S88-040-3-.010R8XR	S88-040-4-.010R8XR	\$37.94	\$40.25
0.045	0.068	0.360	0.125	2.50	0.005	S88-045-2-.005R8XR	S88-045-3-.005R8XR	S88-045-4-.005R8XR	\$37.94	\$40.25
0.045	0.068	0.360	0.125	2.50	0.010	S88-045-2-.010R8XR	S88-045-3-.010R8XR	S88-045-4-.010R8XR	\$37.94	\$40.25
0.045	0.068	0.360	0.125	2.50	0.015	S88-045-2-.015R8XR	S88-045-3-.015R8XR	S88-045-4-.015R8XR	\$37.94	\$40.25
0.047 (3/64)	0.071	0.376	0.125	2.50	0.005	S88-047-2-.005R8XR	S88-047-3-.005R8XR	S88-047-4-.005R8XR	\$37.94	\$40.25
0.047 (3/64)	0.071	0.376	0.125	2.50	0.010	S88-047-2-.010R8XR	S88-047-3-.010R8XR	S88-047-4-.010R8XR	\$37.94	\$40.25
0.047 (3/64)	0.071	0.376	0.125	2.50	0.015	S88-047-2-.015R8XR	S88-047-3-.015R8XR	S88-047-4-.015R8XR	\$37.94	\$40.25
0.050	0.075	0.400	0.125	2.50	0.005	S88-050-2-.005R8XR	S88-050-3-.005R8XR	S88-050-4-.005R8XR	\$37.94	\$40.25
0.050	0.075	0.400	0.125	2.50	0.010	S88-050-2-.010R8XR	S88-050-3-.010R8XR	S88-050-4-.010R8XR	\$37.94	\$40.25
0.050	0.075	0.400	0.125	2.50	0.015	S88-050-2-.015R8XR	S88-050-3-.015R8XR	S88-050-4-.015R8XR	\$37.94	\$40.25
0.055	0.083	0.440	0.125	2.50	0.005	S88-055-2-.005R8XR	S88-055-3-.005R8XR	S88-055-4-.005R8XR	\$37.94	\$40.25
0.055	0.083	0.440	0.125	2.50	0.010	S88-055-2-.010R8XR	S88-055-3-.010R8XR	S88-055-4-.010R8XR	\$37.94	\$40.25
0.055	0.083	0.440	0.125	2.50	0.015	S88-055-2-.015R8XR	S88-055-3-.015R8XR	S88-055-4-.015R8XR	\$37.94	\$40.25
0.060	0.090	0.480	0.125	2.50	0.005	S88-060-2-.005R8XR	S88-060-3-.005R8XR	S88-060-4-.005R8XR	\$37.94	\$40.25
0.060	0.090	0.480	0.125	2.50	0.010	S88-060-2-.010R8XR	S88-060-3-.010R8XR	S88-060-4-.010R8XR	\$37.94	\$40.25
0.060	0.090	0.480	0.125	2.50	0.015	S88-060-2-.015R8XR	S88-060-3-.015R8XR	S88-060-4-.015R8XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.496	0.125	2.50	0.005	S88-062-2-.005R8XR	S88-062-3-.005R8XR	S88-062-4-.005R8XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.496	0.125	2.50	0.010	S88-062-2-.010R8XR	S88-062-3-.010R8XR	S88-062-4-.010R8XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.496	0.125	2.50	0.015	S88-062-2-.015R8XR	S88-062-3-.015R8XR	S88-062-4-.015R8XR	\$37.94	\$40.25
0.062 (1/16)	0.093	0.496	0.125	2.50	0.020	S88-062-2-.020R8XR	S88-062-3-.020R8XR	S88-062-4-.020R8XR	\$37.94	\$40.25
0.065	0.098	0.520	0.125	2.50	0.005	S88-065-2-.005R8XR	S88-065-3-.005R8XR	S88-065-4-.005R8XR	\$37.94	\$40.25
0.065	0.098	0.520	0.125	2.50	0.010	S88-065-2-.010R8XR	S88-065-3-.010R8XR	S88-065-4-.010R8XR	\$37.94	\$40.25
0.065	0.098	0.520	0.125	2.50	0.015	S88-065-2-.015R8XR	S88-065-3-.015R8XR	S88-065-4-.015R8XR	\$37.94	\$40.25
0.070	0.105	0.560	0.125	2.50	0.005	S88-070-2-.005R8XR	S88-070-3-.005R8XR	S88-070-4-.005R8XR	\$37.14	\$39.45
0.070	0.105	0.560	0.125	2.50	0.010	S88-070-2-.010R8XR	S88-070-3-.010R8XR	S88-070-4-.010R8XR	\$37.14	\$39.45
0.070	0.105	0.560	0.125	2.50	0.015	S88-070-2-.015R8XR	S88-070-3-.015R8XR	S88-070-4-.015R8XR	\$37.14	\$39.45
0.075	0.113	0.600	0.125	2.50	0.005	S88-075-2-.005R8XR	S88-075-3-.005R8XR	S88-075-4-.005R8XR	\$37.14	\$39.45
0.075	0.113	0.600	0.125	2.50	0.010	S88-075-2-.010R8XR	S88-075-3-.010R8XR	S88-075-4-.010R8XR	\$37.14	\$39.45
0.075	0.113	0.600	0.125	2.50	0.015	S88-075-2-.015R8XR	S88-075-3-.015R8XR	S88-075-4-.015R8XR	\$37.14	\$39.45

Corner Radius Micro End Mills

S88

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

8X
REACH

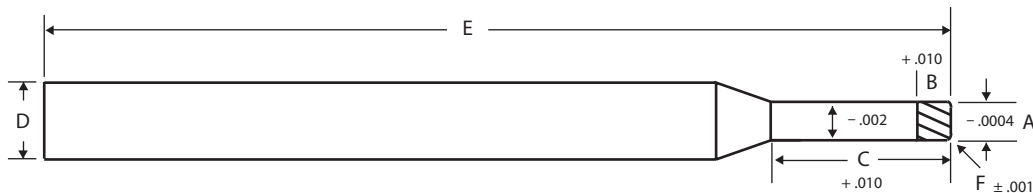
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F					
0.078 (5/64)	0.117	0.624	0.125	2.50	0.005	S88-078-2-.005R8XR	S88-078-3-.005R8XR	S88-078-4-.005R8XR	\$37.14	\$39.45
0.078 (5/64)	0.117	0.624	0.125	2.50	0.010	S88-078-2-.010R8XR	S88-078-3-.010R8XR	S88-078-4-.010R8XR	\$37.14	\$39.45
0.078 (5/64)	0.117	0.624	0.125	2.50	0.015	S88-078-2-.015R8XR	S88-078-3-.015R8XR	S88-078-4-.015R8XR	\$37.14	\$39.45
0.078 (5/64)	0.117	0.624	0.125	2.50	0.020	S88-078-2-.020R8XR	S88-078-3-.020R8XR	S88-078-4-.020R8XR	\$37.14	\$39.45
0.080	0.120	0.640	0.125	2.50	0.005	S88-080-2-.005R8XR	S88-080-3-.005R8XR	S88-080-4-.005R8XR	\$37.14	\$39.45
0.080	0.120	0.640	0.125	2.50	0.010	S88-080-2-.010R8XR	S88-080-3-.010R8XR	S88-080-4-.010R8XR	\$37.14	\$39.45
0.080	0.120	0.640	0.125	2.50	0.015	S88-080-2-.015R8XR	S88-080-3-.015R8XR	S88-080-4-.015R8XR	\$37.14	\$39.45
0.085	0.128	0.680	0.125	2.50	0.005	S88-085-2-.005R8XR	S88-085-3-.005R8XR	S88-085-4-.005R8XR	\$37.14	\$39.45
0.085	0.128	0.680	0.125	2.50	0.010	S88-085-2-.010R8XR	S88-085-3-.010R8XR	S88-085-4-.010R8XR	\$37.14	\$39.45
0.085	0.128	0.680	0.125	2.50	0.015	S88-085-2-.015R8XR	S88-085-3-.015R8XR	S88-085-4-.015R8XR	\$37.14	\$39.45
0.090	0.135	0.720	0.125	2.50	0.005	S88-090-2-.005R8XR	S88-090-3-.005R8XR	S88-090-4-.005R8XR	\$37.14	\$39.45
0.090	0.135	0.720	0.125	2.50	0.010	S88-090-2-.010R8XR	S88-090-3-.010R8XR	S88-090-4-.010R8XR	\$37.14	\$39.45
0.090	0.135	0.720	0.125	2.50	0.015	S88-090-2-.015R8XR	S88-090-3-.015R8XR	S88-090-4-.015R8XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.744	0.125	2.50	0.005	S88-093-2-.005R8XR	S88-093-3-.005R8XR	S88-093-4-.005R8XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.744	0.125	2.50	0.010	S88-093-2-.010R8XR	S88-093-3-.010R8XR	S88-093-4-.010R8XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.744	0.125	2.50	0.015	S88-093-2-.015R8XR	S88-093-3-.015R8XR	S88-093-4-.015R8XR	\$37.14	\$39.45
0.093 (3/32)	0.140	0.744	0.125	2.50	0.020	S88-093-2-.020R8XR	S88-093-3-.020R8XR	S88-093-4-.020R8XR	\$37.14	\$39.45
0.095	0.143	0.760	0.125	2.50	0.005	S88-095-2-.005R8XR	S88-095-3-.005R8XR	S88-095-4-.005R8XR	\$37.14	\$39.45
0.095	0.143	0.760	0.125	2.50	0.010	S88-095-2-.010R8XR	S88-095-3-.010R8XR	S88-095-4-.010R8XR	\$37.14	\$39.45
0.095	0.143	0.760	0.125	2.50	0.015	S88-095-2-.015R8XR	S88-095-3-.015R8XR	S88-095-4-.015R8XR	\$37.14	\$39.45
0.100	0.150	0.800	0.125	2.50	0.005	S88-100-2-.005R8XR	S88-100-3-.005R8XR	S88-100-4-.005R8XR	\$36.85	\$39.16
0.100	0.150	0.800	0.125	2.50	0.010	S88-100-2-.010R8XR	S88-100-3-.010R8XR	S88-100-4-.010R8XR	\$36.85	\$39.16
0.100	0.150	0.800	0.125	2.50	0.015	S88-100-2-.015R8XR	S88-100-3-.015R8XR	S88-100-4-.015R8XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.944	0.125	2.50	0.005	S88-118-2-.005R8XR	S88-118-3-.005R8XR	S88-118-4-.005R8XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.944	0.125	2.50	0.010	S88-118-2-.010R8XR	S88-118-3-.010R8XR	S88-118-4-.010R8XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.944	0.125	2.50	0.015	S88-118-2-.015R8XR	S88-118-3-.015R8XR	S88-118-4-.015R8XR	\$36.85	\$39.16
0.118 (3mm)	0.177	0.944	0.125	2.50	0.020	S88-118-2-.020R8XR	S88-118-3-.020R8XR	S88-118-4-.020R8XR	\$36.85	\$39.16
0.125 (1/8)	0.188	1.000	0.125	2.50	0.005	S88-125-2-.005R8XR	S88-125-3-.005R8XR	S88-125-4-.005R8XR	\$36.85	\$39.16
0.125 (1/8)	0.188	1.000	0.125	2.50	0.010	S88-125-2-.010R8XR	S88-125-3-.010R8XR	S88-125-4-.010R8XR	\$36.85	\$39.16
0.125 (1/8)	0.188	1.000	0.125	2.50	0.015	S88-125-2-.015R8XR	S88-125-3-.015R8XR	S88-125-4-.015R8XR	\$36.85	\$39.16
0.125 (1/8)	0.188	1.000	0.125	2.50	0.020	S88-125-2-.020R8XR	S88-125-3-.020R8XR	S88-125-4-.020R8XR	\$36.85	\$39.16



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S85

Corner Radius Micro End Mills

FLUTES
2,3,4

3X
LENGTH
OF CUT

8X
REACH

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F					
0.015 (1/64)	0.045	0.120	0.125	2.50	0.003	S85-015-2-.003R8XR	S85-015-3-.003R8XR	S85-015-4-.003R8XR	\$46.95	\$49.26
0.020	0.060	0.160	0.125	2.50	0.005	S85-020-2-.005R8XR	S85-020-3-.005R8XR	S85-020-4-.005R8XR	\$44.29	\$46.60
0.025	0.075	0.200	0.125	2.50	0.005	S85-025-2-.005R8XR	S85-025-3-.005R8XR	S85-025-4-.005R8XR	\$43.89	\$46.20
0.030	0.090	0.240	0.125	2.50	0.005	S85-030-2-.005R8XR	S85-030-3-.005R8XR	S85-030-4-.005R8XR	\$39.39	\$41.70
0.030	0.090	0.240	0.125	2.50	0.010	S85-030-2-.010R8XR	S85-030-3-.010R8XR	S85-030-4-.010R8XR	\$39.39	\$41.70
0.031 (1/32)	0.093	0.248	0.125	2.50	0.005	S85-031-2-.005R8XR	S85-031-3-.005R8XR	S85-031-4-.005R8XR	\$39.39	\$41.70
0.031 (1/32)	0.093	0.248	0.125	2.50	0.010	S85-031-2-.010R8XR	S85-031-3-.010R8XR	S85-031-4-.010R8XR	\$39.39	\$41.70
0.035	0.105	0.280	0.125	2.50	0.005	S85-035-2-.005R8XR	S85-035-3-.005R8XR	S85-035-4-.005R8XR	\$37.94	\$40.25
0.035	0.105	0.280	0.125	2.50	0.010	S85-035-2-.010R8XR	S85-035-3-.010R8XR	S85-035-4-.010R8XR	\$37.94	\$40.25
0.039 (1mm)	0.117	0.312	0.125	2.50	0.005	S85-039-2-.005R8XR	S85-039-3-.005R8XR	S85-039-4-.005R8XR	\$37.94	\$40.25
0.039 (1mm)	0.117	0.312	0.125	2.50	0.010	S85-039-2-.010R8XR	S85-039-3-.010R8XR	S85-039-4-.010R8XR	\$37.94	\$40.25
0.040	0.120	0.320	0.125	2.50	0.005	S85-040-2-.005R8XR	S85-040-3-.005R8XR	S85-040-4-.005R8XR	\$37.94	\$40.25
0.040	0.120	0.320	0.125	2.50	0.010	S85-040-2-.010R8XR	S85-040-3-.010R8XR	S85-040-4-.010R8XR	\$37.94	\$40.25
0.045	0.135	0.360	0.125	2.50	0.005	S85-045-2-.005R8XR	S85-045-3-.005R8XR	S85-045-4-.005R8XR	\$37.94	\$40.25
0.045	0.135	0.360	0.125	2.50	0.010	S85-045-2-.010R8XR	S85-045-3-.010R8XR	S85-045-4-.010R8XR	\$37.94	\$40.25
0.045	0.135	0.360	0.125	2.50	0.015	S85-045-2-.015R8XR	S85-045-3-.015R8XR	S85-045-4-.015R8XR	\$37.94	\$40.25
0.047 (3/64)	0.141	0.376	0.125	2.50	0.005	S85-047-2-.005R8XR	S85-047-3-.005R8XR	S85-047-4-.005R8XR	\$37.94	\$40.25
0.047 (3/64)	0.141	0.376	0.125	2.50	0.010	S85-047-2-.010R8XR	S85-047-3-.010R8XR	S85-047-4-.010R8XR	\$37.94	\$40.25
0.047 (3/64)	0.141	0.376	0.125	2.50	0.015	S85-047-2-.015R8XR	S85-047-3-.015R8XR	S85-047-4-.015R8XR	\$37.94	\$40.25
0.050	0.150	0.400	0.125	2.50	0.005	S85-050-2-.005R8XR	S85-050-3-.005R8XR	S85-050-4-.005R8XR	\$37.94	\$40.25
0.050	0.150	0.400	0.125	2.50	0.010	S85-050-2-.010R8XR	S85-050-3-.010R8XR	S85-050-4-.010R8XR	\$37.94	\$40.25
0.050	0.150	0.400	0.125	2.50	0.015	S85-050-2-.015R8XR	S85-050-3-.015R8XR	S85-050-4-.015R8XR	\$37.94	\$40.25
0.055	0.165	0.440	0.125	2.50	0.005	S85-055-2-.005R8XR	S85-055-3-.005R8XR	S85-055-4-.005R8XR	\$37.94	\$40.25
0.055	0.165	0.440	0.125	2.50	0.010	S85-055-2-.010R8XR	S85-055-3-.010R8XR	S85-055-4-.010R8XR	\$37.94	\$40.25
0.055	0.165	0.440	0.125	2.50	0.015	S85-055-2-.015R8XR	S85-055-3-.015R8XR	S85-055-4-.015R8XR	\$37.94	\$40.25
0.060	0.180	0.480	0.125	2.50	0.005	S85-060-2-.005R8XR	S85-060-3-.005R8XR	S85-060-4-.005R8XR	\$37.94	\$40.25
0.060	0.180	0.480	0.125	2.50	0.010	S85-060-2-.010R8XR	S85-060-3-.010R8XR	S85-060-4-.010R8XR	\$37.94	\$40.25
0.060	0.180	0.480	0.125	2.50	0.015	S85-060-2-.015R8XR	S85-060-3-.015R8XR	S85-060-4-.015R8XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.496	0.125	2.50	0.005	S85-062-2-.005R8XR	S85-062-3-.005R8XR	S85-062-4-.005R8XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.496	0.125	2.50	0.010	S85-062-2-.010R8XR	S85-062-3-.010R8XR	S85-062-4-.010R8XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.496	0.125	2.50	0.015	S85-062-2-.015R8XR	S85-062-3-.015R8XR	S85-062-4-.015R8XR	\$37.94	\$40.25
0.062 (1/16)	0.186	0.496	0.125	2.50	0.020	S85-062-2-.020R8XR	S85-062-3-.020R8XR	S85-062-4-.020R8XR	\$37.94	\$40.25
0.065	0.195	0.520	0.125	2.50	0.005	S85-065-2-.005R8XR	S85-065-3-.005R8XR	S85-065-4-.005R8XR	\$37.94	\$40.25
0.065	0.195	0.520	0.125	2.50	0.010	S85-065-2-.010R8XR	S85-065-3-.010R8XR	S85-065-4-.010R8XR	\$37.94	\$40.25
0.065	0.195	0.520	0.125	2.50	0.015	S85-065-2-.015R8XR	S85-065-3-.015R8XR	S85-065-4-.015R8XR	\$37.94	\$40.25
0.070	0.210	0.560	0.125	2.50	0.005	S85-070-2-.005R8XR	S85-070-3-.005R8XR	S85-070-4-.005R8XR	\$37.14	\$39.45
0.070	0.210	0.560	0.125	2.50	0.010	S85-070-2-.010R8XR	S85-070-3-.010R8XR	S85-070-4-.010R8XR	\$37.14	\$39.45
0.070	0.210	0.560	0.125	2.50	0.015	S85-070-2-.015R8XR	S85-070-3-.015R8XR	S85-070-4-.015R8XR	\$37.14	\$39.45
0.075	0.225	0.600	0.125	2.50	0.005	S85-075-2-.005R8XR	S85-075-3-.005R8XR	S85-075-4-.005R8XR	\$37.14	\$39.45
0.075	0.225	0.600	0.125	2.50	0.010	S85-075-2-.010R8XR	S85-075-3-.010R8XR	S85-075-4-.010R8XR	\$37.14	\$39.45
0.075	0.225	0.600	0.125	2.50	0.015	S85-075-2-.015R8XR	S85-075-3-.015R8XR	S85-075-4-.015R8XR	\$37.14	\$39.45

Corner Radius Micro End Mills

S85

FLUTES
2,3,4

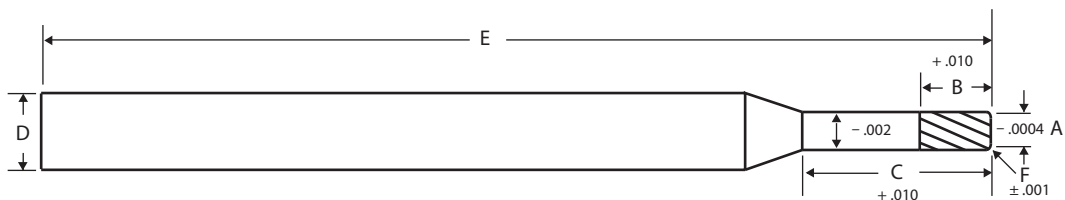
3X
LENGTH
OF CUT

8X
REACH

+

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F					
0.078 (5/64)	0.234	0.624	0.125	2.50	0.005	S85-078-2-.005R8XR	S85-078-3-.005R8XR	S85-078-4-.005R8XR	\$37.14	\$39.45
0.078 (5/64)	0.234	0.624	0.125	2.50	0.010	S85-078-2-.010R8XR	S85-078-3-.010R8XR	S85-078-4-.010R8XR	\$37.14	\$39.45
0.078 (5/64)	0.234	0.624	0.125	2.50	0.015	S85-078-2-.015R8XR	S85-078-3-.015R8XR	S85-078-4-.015R8XR	\$37.14	\$39.45
0.078 (5/64)	0.234	0.624	0.125	2.50	0.020	S85-078-2-.020R8XR	S85-078-3-.020R8XR	S85-078-4-.020R8XR	\$37.14	\$39.45
0.080	0.240	0.640	0.125	2.50	0.005	S85-080-2-.005R8XR	S85-080-3-.005R8XR	S85-080-4-.005R8XR	\$37.14	\$39.45
0.080	0.240	0.640	0.125	2.50	0.010	S85-080-2-.010R8XR	S85-080-3-.010R8XR	S85-080-4-.010R8XR	\$37.14	\$39.45
0.080	0.240	0.640	0.125	2.50	0.015	S85-080-2-.015R8XR	S85-080-3-.015R8XR	S85-080-4-.015R8XR	\$37.14	\$39.45
0.085	0.255	0.680	0.125	2.50	0.005	S85-085-2-.005R8XR	S85-085-3-.005R8XR	S85-085-4-.005R8XR	\$37.14	\$39.45
0.085	0.255	0.680	0.125	2.50	0.010	S85-085-2-.010R8XR	S85-085-3-.010R8XR	S85-085-4-.010R8XR	\$37.14	\$39.45
0.085	0.255	0.680	0.125	2.50	0.015	S85-085-2-.015R8XR	S85-085-3-.015R8XR	S85-085-4-.015R8XR	\$37.14	\$39.45
0.090	0.270	0.720	0.125	2.50	0.005	S85-090-2-.005R8XR	S85-090-3-.005R8XR	S85-090-4-.005R8XR	\$37.14	\$39.45
0.090	0.270	0.720	0.125	2.50	0.010	S85-090-2-.010R8XR	S85-090-3-.010R8XR	S85-090-4-.010R8XR	\$37.14	\$39.45
0.090	0.270	0.720	0.125	2.50	0.015	S85-090-2-.015R8XR	S85-090-3-.015R8XR	S85-090-4-.015R8XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.744	0.125	2.50	0.005	S85-093-2-.005R8XR	S85-093-3-.005R8XR	S85-093-4-.005R8XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.744	0.125	2.50	0.010	S85-093-2-.010R8XR	S85-093-3-.010R8XR	S85-093-4-.010R8XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.744	0.125	2.50	0.015	S85-093-2-.015R8XR	S85-093-3-.015R8XR	S85-093-4-.015R8XR	\$37.14	\$39.45
0.093 (3/32)	0.279	0.744	0.125	2.50	0.020	S85-093-2-.020R8XR	S85-093-3-.020R8XR	S85-093-4-.020R8XR	\$37.14	\$39.45
0.095	0.285	0.760	0.125	2.50	0.005	S85-095-2-.005R8XR	S85-095-3-.005R8XR	S85-095-4-.005R8XR	\$37.14	\$39.45
0.095	0.285	0.760	0.125	2.50	0.010	S85-095-2-.010R8XR	S85-095-3-.010R8XR	S85-095-4-.010R8XR	\$37.14	\$39.45
0.095	0.285	0.760	0.125	2.50	0.015	S85-095-2-.015R8XR	S85-095-3-.015R8XR	S85-095-4-.015R8XR	\$37.14	\$39.45
0.100	0.300	0.800	0.125	2.50	0.005	S85-100-2-.005R8XR	S85-100-3-.005R8XR	S85-100-4-.005R8XR	\$36.85	\$39.16
0.100	0.300	0.800	0.125	2.50	0.010	S85-100-2-.010R8XR	S85-100-3-.010R8XR	S85-100-4-.010R8XR	\$36.85	\$39.16
0.100	0.300	0.800	0.125	2.50	0.015	S85-100-2-.015R8XR	S85-100-3-.015R8XR	S85-100-4-.015R8XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.944	0.125	2.50	0.005	S85-118-2-.005R8XR	S85-118-3-.005R8XR	S85-118-4-.005R8XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.944	0.125	2.50	0.010	S85-118-2-.010R8XR	S85-118-3-.010R8XR	S85-118-4-.010R8XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.944	0.125	2.50	0.015	S85-118-2-.015R8XR	S85-118-3-.015R8XR	S85-118-4-.015R8XR	\$36.85	\$39.16
0.118 (3mm)	0.354	0.944	0.125	2.50	0.020	S85-118-2-.020R8XR	S85-118-3-.020R8XR	S85-118-4-.020R8XR	\$36.85	\$39.16
0.125 (1/8)	0.375	1.000	0.125	2.50	0.005	S85-125-2-.005R8XR	S85-125-3-.005R8XR	S85-125-4-.005R8XR	\$36.85	\$39.16
0.125 (1/8)	0.375	1.000	0.125	2.50	0.010	S85-125-2-.010R8XR	S85-125-3-.010R8XR	S85-125-4-.010R8XR	\$36.85	\$39.16
0.125 (1/8)	0.375	1.000	0.125	2.50	0.015	S85-125-2-.015R8XR	S85-125-3-.015R8XR	S85-125-4-.015R8XR	\$36.85	\$39.16
0.125 (1/8)	0.375	1.000	0.125	2.50	0.020	S85-125-2-.020R8XR	S85-125-3-.020R8XR	S85-125-4-.020R8XR	\$36.85	\$39.16



COATING

P.208

In-house coating allows MITGI to deliver high-quality coating applied consistently from tool-to-tool and batch-to-batch, with short turnaround times. See page 208-209 for more information regarding coating options, pricing, and timelines.



S89

Corner Radius Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

12X
REACH

+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F					
0.015 (1/64)	0.023	0.180	0.125	2.50	0.003	S89-015-2-.003R12XR	S89-015-3-.003R12XR	S89-015-4-.003R12XR	\$49.26	\$51.57
0.020	0.030	0.240	0.125	2.50	0.005	S89-020-2-.005R12XR	S89-020-3-.005R12XR	S89-020-4-.005R12XR	\$46.72	\$49.03
0.025	0.038	0.300	0.125	2.50	0.005	S89-025-2-.005R12XR	S89-025-3-.005R12XR	S89-025-4-.005R12XR	\$46.20	\$48.51
0.030	0.045	0.360	0.125	2.50	0.005	S89-030-2-.005R12XR	S89-030-3-.005R12XR	S89-030-4-.005R12XR	\$41.70	\$44.01
0.030	0.045	0.360	0.125	2.50	0.010	S89-030-2-.010R12XR	S89-030-3-.010R12XR	S89-030-4-.010R12XR	\$41.70	\$44.01
0.031 (1/32)	0.047	0.372	0.125	2.50	0.005	S89-031-2-.005R12XR	S89-031-3-.005R12XR	S89-031-4-.005R12XR	\$41.70	\$44.01
0.031 (1/32)	0.047	0.372	0.125	2.50	0.010	S89-031-2-.010R12XR	S89-031-3-.010R12XR	S89-031-4-.010R12XR	\$41.70	\$44.01
0.035	0.053	0.420	0.125	2.50	0.005	S89-035-2-.005R12XR	S89-035-3-.005R12XR	S89-035-4-.005R12XR	\$40.71	\$43.02
0.035	0.053	0.420	0.125	2.50	0.010	S89-035-2-.010R12XR	S89-035-3-.010R12XR	S89-035-4-.010R12XR	\$40.71	\$43.02
0.039 (1mm)	0.059	0.468	0.125	2.50	0.005	S89-039-2-.005R12XR	S89-039-3-.005R12XR	S89-039-4-.005R12XR	\$40.71	\$43.02
0.039 (1mm)	0.059	0.468	0.125	2.50	0.010	S89-039-2-.010R12XR	S89-039-3-.010R12XR	S89-039-4-.010R12XR	\$40.71	\$43.02
0.040	0.060	0.480	0.125	2.50	0.005	S89-040-2-.005R12XR	S89-040-3-.005R12XR	S89-040-4-.005R12XR	\$40.25	\$42.56
0.040	0.060	0.480	0.125	2.50	0.010	S89-040-2-.010R12XR	S89-040-3-.010R12XR	S89-040-4-.010R12XR	\$40.25	\$42.56
0.045	0.068	0.540	0.125	2.50	0.005	S89-045-2-.005R12XR	S89-045-3-.005R12XR	S89-045-4-.005R12XR	\$40.25	\$42.56
0.045	0.068	0.540	0.125	2.50	0.010	S89-045-2-.010R12XR	S89-045-3-.010R12XR	S89-045-4-.010R12XR	\$40.25	\$42.56
0.045	0.068	0.540	0.125	2.50	0.015	S89-045-2-.015R12XR	S89-045-3-.015R12XR	S89-045-4-.015R12XR	\$40.25	\$42.56
0.047 (3/64)	0.071	0.564	0.125	2.50	0.005	S89-047-2-.005R12XR	S89-047-3-.005R12XR	S89-047-4-.005R12XR	\$40.25	\$42.56
0.047 (3/64)	0.071	0.564	0.125	2.50	0.010	S89-047-2-.010R12XR	S89-047-3-.010R12XR	S89-047-4-.010R12XR	\$40.25	\$42.56
0.047 (3/64)	0.071	0.564	0.125	2.50	0.015	S89-047-2-.015R12XR	S89-047-3-.015R12XR	S89-047-4-.015R12XR	\$40.25	\$42.56
0.050	0.075	0.600	0.125	2.50	0.005	S89-050-2-.005R12XR	S89-050-3-.005R12XR	S89-050-4-.005R12XR	\$40.25	\$42.56
0.050	0.075	0.600	0.125	2.50	0.010	S89-050-2-.010R12XR	S89-050-3-.010R12XR	S89-050-4-.010R12XR	\$40.25	\$42.56
0.050	0.075	0.600	0.125	2.50	0.015	S89-050-2-.015R12XR	S89-050-3-.015R12XR	S89-050-4-.015R12XR	\$40.25	\$42.56
0.055	0.083	0.660	0.125	2.50	0.005	S89-055-2-.005R12XR	S89-055-3-.005R12XR	S89-055-4-.005R12XR	\$40.25	\$42.56
0.055	0.083	0.660	0.125	2.50	0.010	S89-055-2-.010R12XR	S89-055-3-.010R12XR	S89-055-4-.010R12XR	\$40.25	\$42.56
0.055	0.083	0.660	0.125	2.50	0.015	S89-055-2-.015R12XR	S89-055-3-.015R12XR	S89-055-4-.015R12XR	\$40.25	\$42.56
0.060	0.090	0.720	0.125	2.50	0.005	S89-060-2-.005R12XR	S89-060-3-.005R12XR	S89-060-4-.005R12XR	\$40.25	\$42.56
0.060	0.090	0.720	0.125	2.50	0.010	S89-060-2-.010R12XR	S89-060-3-.010R12XR	S89-060-4-.010R12XR	\$40.25	\$42.56
0.060	0.090	0.720	0.125	2.50	0.015	S89-060-2-.015R12XR	S89-060-3-.015R12XR	S89-060-4-.015R12XR	\$40.25	\$42.56
0.062 (1/16)	0.093	0.744	0.125	2.50	0.005	S89-062-2-.005R12XR	S89-062-3-.005R12XR	S89-062-4-.005R12XR	\$40.25	\$42.56
0.062 (1/16)	0.093	0.744	0.125	2.50	0.010	S89-062-2-.010R12XR	S89-062-3-.010R12XR	S89-062-4-.010R12XR	\$40.25	\$42.56
0.062 (1/16)	0.093	0.744	0.125	2.50	0.015	S89-062-2-.015R12XR	S89-062-3-.015R12XR	S89-062-4-.015R12XR	\$40.25	\$42.56
0.062 (1/16)	0.093	0.744	0.125	2.50	0.020	S89-062-2-.020R12XR	S89-062-3-.020R12XR	S89-062-4-.020R12XR	\$40.25	\$42.56
0.065	0.098	0.780	0.125	2.50	0.005	S89-065-2-.005R12XR	S89-065-3-.005R12XR	S89-065-4-.005R12XR	\$40.25	\$42.56
0.065	0.098	0.780	0.125	2.50	0.010	S89-065-2-.010R12XR	S89-065-3-.010R12XR	S89-065-4-.010R12XR	\$40.25	\$42.56
0.065	0.098	0.780	0.125	2.50	0.015	S89-065-2-.015R12XR	S89-065-3-.015R12XR	S89-065-4-.015R12XR	\$40.25	\$42.56
0.070	0.105	0.840	0.125	2.50	0.005	S89-070-2-.005R12XR	S89-070-3-.005R12XR	S89-070-4-.005R12XR	\$39.45	\$41.76
0.070	0.105	0.840	0.125	2.50	0.010	S89-070-2-.010R12XR	S89-070-3-.010R12XR	S89-070-4-.010R12XR	\$39.45	\$41.76
0.070	0.105	0.840	0.125	2.50	0.015	S89-070-2-.015R12XR	S89-070-3-.015R12XR	S89-070-4-.015R12XR	\$39.45	\$41.76
0.075	0.113	0.900	0.125	2.50	0.005	S89-075-2-.005R12XR	S89-075-3-.005R12XR	S89-075-4-.005R12XR	\$39.45	\$41.76
0.075	0.113	0.900	0.125	2.50	0.010	S89-075-2-.010R12XR	S89-075-3-.010R12XR	S89-075-4-.010R12XR	\$39.45	\$41.76
0.075	0.113	0.900	0.125	2.50	0.015	S89-075-2-.015R12XR	S89-075-3-.015R12XR	S89-075-4-.015R12XR	\$39.45	\$41.76

Corner Radius Micro End Mills

S89

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

12X
REACH

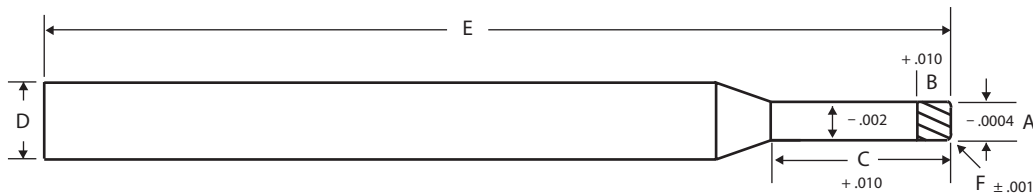
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F					
0.078 (5/64)	0.117	0.936	0.125	2.50	0.005	S89-078-2-.005R12XR	S89-078-3-.005R12XR	S89-078-4-.005R12XR	\$39.45	\$41.76
0.078 (5/64)	0.117	0.936	0.125	2.50	0.010	S89-078-2-.010R12XR	S89-078-3-.010R12XR	S89-078-4-.010R12XR	\$39.45	\$41.76
0.078 (5/64)	0.117	0.936	0.125	2.50	0.015	S89-078-2-.015R12XR	S89-078-3-.015R12XR	S89-078-4-.015R12XR	\$39.45	\$41.76
0.078 (5/64)	0.117	0.936	0.125	2.50	0.020	S89-078-2-.020R12XR	S89-078-3-.020R12XR	S89-078-4-.020R12XR	\$39.45	\$41.76
0.080	0.120	0.960	0.125	2.50	0.005	S89-080-2-.005R12XR	S89-080-3-.005R12XR	S89-080-4-.005R12XR	\$39.45	\$41.76
0.080	0.120	0.960	0.125	2.50	0.010	S89-080-2-.010R12XR	S89-080-3-.010R12XR	S89-080-4-.010R12XR	\$39.45	\$41.76
0.080	0.120	0.960	0.125	2.50	0.015	S89-080-2-.015R12XR	S89-080-3-.015R12XR	S89-080-4-.015R12XR	\$39.45	\$41.76
0.085	0.128	1.020	0.125	2.50	0.005	S89-085-2-.005R12XR	S89-085-3-.005R12XR	S89-085-4-.005R12XR	\$39.45	\$41.76
0.085	0.128	1.020	0.125	2.50	0.010	S89-085-2-.010R12XR	S89-085-3-.010R12XR	S89-085-4-.010R12XR	\$39.45	\$41.76
0.085	0.128	1.020	0.125	2.50	0.015	S89-085-2-.015R12XR	S89-085-3-.015R12XR	S89-085-4-.015R12XR	\$39.45	\$41.76
0.090	0.135	1.080	0.125	2.50	0.005	S89-090-2-.005R12XR	S89-090-3-.005R12XR	S89-090-4-.005R12XR	\$39.45	\$41.76
0.090	0.135	1.080	0.125	2.50	0.010	S89-090-2-.010R12XR	S89-090-3-.010R12XR	S89-090-4-.010R12XR	\$39.45	\$41.76
0.090	0.135	1.080	0.125	2.50	0.015	S89-090-2-.015R12XR	S89-090-3-.015R12XR	S89-090-4-.015R12XR	\$39.45	\$41.76
0.093 (3/32)	0.140	1.116	0.125	2.50	0.005	S89-093-2-.005R12XR	S89-093-3-.005R12XR	S89-093-4-.005R12XR	\$39.45	\$41.76
0.093 (3/32)	0.140	1.116	0.125	2.50	0.010	S89-093-2-.010R12XR	S89-093-3-.010R12XR	S89-093-4-.010R12XR	\$39.45	\$41.76
0.093 (3/32)	0.140	1.116	0.125	2.50	0.015	S89-093-2-.015R12XR	S89-093-3-.015R12XR	S89-093-4-.015R12XR	\$39.45	\$41.76
0.093 (3/32)	0.140	1.116	0.125	2.50	0.020	S89-093-2-.020R12XR	S89-093-3-.020R12XR	S89-093-4-.020R12XR	\$39.45	\$41.76
0.095	0.143	1.140	0.125	2.50	0.005	S89-095-2-.005R12XR	S89-095-3-.005R12XR	S89-095-4-.005R12XR	\$39.45	\$41.76
0.095	0.143	1.140	0.125	2.50	0.010	S89-095-2-.010R12XR	S89-095-3-.010R12XR	S89-095-4-.010R12XR	\$39.45	\$41.76
0.095	0.143	1.140	0.125	2.50	0.015	S89-095-2-.015R12XR	S89-095-3-.015R12XR	S89-095-4-.015R12XR	\$39.45	\$41.76
0.100	0.150	1.200	0.125	2.50	0.005	S89-100-2-.005R12XR	S89-100-3-.005R12XR	S89-100-4-.005R12XR	\$39.16	\$41.47
0.100	0.150	1.200	0.125	2.50	0.010	S89-100-2-.010R12XR	S89-100-3-.010R12XR	S89-100-4-.010R12XR	\$39.16	\$41.47
0.100	0.150	1.200	0.125	2.50	0.015	S89-100-2-.015R12XR	S89-100-3-.015R12XR	S89-100-4-.015R12XR	\$39.16	\$41.47
0.118 (3mm)	0.177	1.416	0.125	2.50	0.005	S89-118-2-.005R12XR	S89-118-3-.005R12XR	S89-118-4-.005R12XR	\$39.16	\$41.47
0.118 (3mm)	0.177	1.416	0.125	2.50	0.010	S89-118-2-.010R12XR	S89-118-3-.010R12XR	S89-118-4-.010R12XR	\$39.16	\$41.47
0.118 (3mm)	0.177	1.416	0.125	2.50	0.015	S89-118-2-.015R12XR	S89-118-3-.015R12XR	S89-118-4-.015R12XR	\$39.16	\$41.47
0.118 (3mm)	0.177	1.416	0.125	2.50	0.020	S89-118-2-.020R12XR	S89-118-3-.020R12XR	S89-118-4-.020R12XR	\$39.16	\$41.47
0.125 (1/8)	0.188	1.500	0.125	2.50	0.005	S89-125-2-.005R12XR	S89-125-3-.005R12XR	S89-125-4-.005R12XR	\$39.16	\$41.47
0.125 (1/8)	0.188	1.500	0.125	2.50	0.010	S89-125-2-.010R12XR	S89-125-3-.010R12XR	S89-125-4-.010R12XR	\$39.16	\$41.47
0.125 (1/8)	0.188	1.500	0.125	2.50	0.015	S89-125-2-.015R12XR	S89-125-3-.015R12XR	S89-125-4-.015R12XR	\$39.16	\$41.47
0.125 (1/8)	0.188	1.500	0.125	2.50	0.020	S89-125-2-.020R12XR	S89-125-3-.020R12XR	S89-125-4-.020R12XR	\$39.16	\$41.47



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S86

Corner Radius Micro End Mills

**FLUTES
2,3,4**

**3X
LENGTH
OF CUT**

**12X
REACH**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F					
0.015 (1/64)	0.045	0.180	0.125	2.50	0.003	S86-015-2-.003R12XR	S86-015-3-.003R12XR	S86-015-4-.003R12XR	\$49.26	\$51.57
0.020	0.060	0.240	0.125	2.50	0.005	S86-020-2-.005R12XR	S86-020-3-.005R12XR	S86-020-4-.005R12XR	\$46.72	\$49.03
0.025	0.075	0.300	0.125	2.50	0.005	S86-025-2-.005R12XR	S86-025-3-.005R12XR	S86-025-4-.005R12XR	\$46.20	\$48.51
0.030	0.090	0.360	0.125	2.50	0.005	S86-030-2-.005R12XR	S86-030-3-.005R12XR	S86-030-4-.005R12XR	\$41.70	\$44.01
0.030	0.090	0.360	0.125	2.50	0.010	S86-030-2-.010R12XR	S86-030-3-.010R12XR	S86-030-4-.010R12XR	\$41.70	\$44.01
0.031 (1/32)	0.093	0.372	0.125	2.50	0.005	S86-031-2-.005R12XR	S86-031-3-.005R12XR	S86-031-4-.005R12XR	\$41.70	\$44.01
0.031 (1/32)	0.093	0.372	0.125	2.50	0.010	S86-031-2-.010R12XR	S86-031-3-.010R12XR	S86-031-4-.010R12XR	\$41.70	\$44.01
0.035	0.105	0.420	0.125	2.50	0.005	S86-035-2-.005R12XR	S86-035-3-.005R12XR	S86-035-4-.005R12XR	\$40.71	\$43.02
0.035	0.105	0.420	0.125	2.50	0.010	S86-035-2-.010R12XR	S86-035-3-.010R12XR	S86-035-4-.010R12XR	\$40.71	\$43.02
0.039 (1mm)	0.117	0.468	0.125	2.50	0.005	S86-039-2-.005R12XR	S86-039-3-.005R12XR	S86-039-4-.005R12XR	\$40.71	\$43.02
0.039 (1mm)	0.117	0.468	0.125	2.50	0.010	S86-039-2-.010R12XR	S86-039-3-.010R12XR	S86-039-4-.010R12XR	\$40.71	\$43.02
0.040	0.120	0.480	0.125	2.50	0.005	S86-040-2-.005R12XR	S86-040-3-.005R12XR	S86-040-4-.005R12XR	\$40.25	\$42.56
0.040	0.120	0.480	0.125	2.50	0.010	S86-040-2-.010R12XR	S86-040-3-.010R12XR	S86-040-4-.010R12XR	\$40.25	\$42.56
0.045	0.135	0.540	0.125	2.50	0.005	S86-045-2-.005R12XR	S86-045-3-.005R12XR	S86-045-4-.005R12XR	\$40.25	\$42.56
0.045	0.135	0.540	0.125	2.50	0.010	S86-045-2-.010R12XR	S86-045-3-.010R12XR	S86-045-4-.010R12XR	\$40.25	\$42.56
0.045	0.135	0.540	0.125	2.50	0.015	S86-045-2-.015R12XR	S86-045-3-.015R12XR	S86-045-4-.015R12XR	\$40.25	\$42.56
0.047 (3/64)	0.141	0.564	0.125	2.50	0.005	S86-047-2-.005R12XR	S86-047-3-.005R12XR	S86-047-4-.005R12XR	\$40.25	\$42.56
0.047 (3/64)	0.141	0.564	0.125	2.50	0.010	S86-047-2-.010R12XR	S86-047-3-.010R12XR	S86-047-4-.010R12XR	\$40.25	\$42.56
0.047 (3/64)	0.141	0.564	0.125	2.50	0.015	S86-047-2-.015R12XR	S86-047-3-.015R12XR	S86-047-4-.015R12XR	\$40.25	\$42.56
0.050	0.150	0.600	0.125	2.50	0.005	S86-050-2-.005R12XR	S86-050-3-.005R12XR	S86-050-4-.005R12XR	\$40.25	\$42.56
0.050	0.150	0.600	0.125	2.50	0.010	S86-050-2-.010R12XR	S86-050-3-.010R12XR	S86-050-4-.010R12XR	\$40.25	\$42.56
0.050	0.150	0.600	0.125	2.50	0.015	S86-050-2-.015R12XR	S86-050-3-.015R12XR	S86-050-4-.015R12XR	\$40.25	\$42.56
0.055	0.165	0.660	0.125	2.50	0.005	S86-055-2-.005R12XR	S86-055-3-.005R12XR	S86-055-4-.005R12XR	\$40.25	\$42.56
0.055	0.165	0.660	0.125	2.50	0.010	S86-055-2-.010R12XR	S86-055-3-.010R12XR	S86-055-4-.010R12XR	\$40.25	\$42.56
0.055	0.165	0.660	0.125	2.50	0.015	S86-055-2-.015R12XR	S86-055-3-.015R12XR	S86-055-4-.015R12XR	\$40.25	\$42.56
0.060	0.180	0.720	0.125	2.50	0.005	S86-060-2-.005R12XR	S86-060-3-.005R12XR	S86-060-4-.005R12XR	\$40.25	\$42.56
0.060	0.180	0.720	0.125	2.50	0.010	S86-060-2-.010R12XR	S86-060-3-.010R12XR	S86-060-4-.010R12XR	\$40.25	\$42.56
0.060	0.180	0.720	0.125	2.50	0.015	S86-060-2-.015R12XR	S86-060-3-.015R12XR	S86-060-4-.015R12XR	\$40.25	\$42.56
0.062 (1/16)	0.186	0.744	0.125	2.50	0.005	S86-062-2-.005R12XR	S86-062-3-.005R12XR	S86-062-4-.005R12XR	\$40.25	\$42.56
0.062 (1/16)	0.186	0.744	0.125	2.50	0.010	S86-062-2-.010R12XR	S86-062-3-.010R12XR	S86-062-4-.010R12XR	\$40.25	\$42.56
0.062 (1/16)	0.186	0.744	0.125	2.50	0.015	S86-062-2-.015R12XR	S86-062-3-.015R12XR	S86-062-4-.015R12XR	\$40.25	\$42.56
0.062 (1/16)	0.186	0.744	0.125	2.50	0.020	S86-062-2-.020R12XR	S86-062-3-.020R12XR	S86-062-4-.020R12XR	\$40.25	\$42.56
0.065	0.195	0.780	0.125	2.50	0.005	S86-065-2-.005R12XR	S86-065-3-.005R12XR	S86-065-4-.005R12XR	\$40.25	\$42.56
0.065	0.195	0.780	0.125	2.50	0.010	S86-065-2-.010R12XR	S86-065-3-.010R12XR	S86-065-4-.010R12XR	\$40.25	\$42.56
0.065	0.195	0.780	0.125	2.50	0.015	S86-065-2-.015R12XR	S86-065-3-.015R12XR	S86-065-4-.015R12XR	\$40.25	\$42.56
0.070	0.210	0.840	0.125	2.50	0.005	S86-070-2-.005R12XR	S86-070-3-.005R12XR	S86-070-4-.005R12XR	\$39.45	\$41.76
0.070	0.210	0.840	0.125	2.50	0.010	S86-070-2-.010R12XR	S86-070-3-.010R12XR	S86-070-4-.010R12XR	\$39.45	\$41.76
0.070	0.210	0.840	0.125	2.50	0.015	S86-070-2-.015R12XR	S86-070-3-.015R12XR	S86-070-4-.015R12XR	\$39.45	\$41.76
0.075	0.225	0.900	0.125	2.50	0.005	S86-075-2-.005R12XR	S86-075-3-.005R12XR	S86-075-4-.005R12XR	\$39.45	\$41.76
0.075	0.225	0.900	0.125	2.50	0.010	S86-075-2-.010R12XR	S86-075-3-.010R12XR	S86-075-4-.010R12XR	\$39.45	\$41.76
0.075	0.225	0.900	0.125	2.50	0.015	S86-075-2-.015R12XR	S86-075-3-.015R12XR	S86-075-4-.015R12XR	\$39.45	\$41.76

Corner Radius Micro End Mills

S86

FLUTES
2,3,4

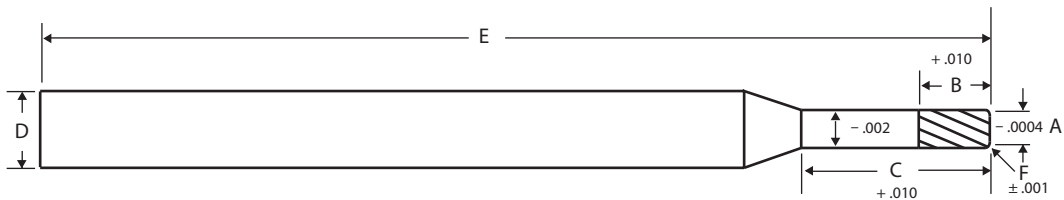
3X
LENGTH
OF CUT

12X
REACH

+

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F					
0.078 (5/64)	0.234	0.936	0.125	2.50	0.005	S86-078-2-.005R12XR	S86-078-3-.005R12XR	S86-078-4-.005R12XR	\$39.45	\$41.76
0.078 (5/64)	0.234	0.936	0.125	2.50	0.010	S86-078-2-.010R12XR	S86-078-3-.010R12XR	S86-078-4-.010R12XR	\$39.45	\$41.76
0.078 (5/64)	0.234	0.936	0.125	2.50	0.015	S86-078-2-.015R12XR	S86-078-3-.015R12XR	S86-078-4-.015R12XR	\$39.45	\$41.76
0.078 (5/64)	0.234	0.936	0.125	2.50	0.020	S86-078-2-.020R12XR	S86-078-3-.020R12XR	S86-078-4-.020R12XR	\$39.45	\$41.76
0.080	0.240	0.960	0.125	2.50	0.005	S86-080-2-.005R12XR	S86-080-3-.005R12XR	S86-080-4-.005R12XR	\$39.45	\$41.76
0.080	0.240	0.960	0.125	2.50	0.010	S86-080-2-.010R12XR	S86-080-3-.010R12XR	S86-080-4-.010R12XR	\$39.45	\$41.76
0.080	0.240	0.960	0.125	2.50	0.015	S86-080-2-.015R12XR	S86-080-3-.015R12XR	S86-080-4-.015R12XR	\$39.45	\$41.76
0.085	0.255	1.020	0.125	2.50	0.005	S86-085-2-.005R12XR	S86-085-3-.005R12XR	S86-085-4-.005R12XR	\$39.45	\$41.76
0.085	0.255	1.020	0.125	2.50	0.010	S86-085-2-.010R12XR	S86-085-3-.010R12XR	S86-085-4-.010R12XR	\$39.45	\$41.76
0.085	0.255	1.020	0.125	2.50	0.015	S86-085-2-.015R12XR	S86-085-3-.015R12XR	S86-085-4-.015R12XR	\$39.45	\$41.76
0.090	0.270	1.080	0.125	2.50	0.005	S86-090-2-.005R12XR	S86-090-3-.005R12XR	S86-090-4-.005R12XR	\$39.45	\$41.76
0.090	0.270	1.080	0.125	2.50	0.010	S86-090-2-.010R12XR	S86-090-3-.010R12XR	S86-090-4-.010R12XR	\$39.45	\$41.76
0.090	0.270	1.080	0.125	2.50	0.015	S86-090-2-.015R12XR	S86-090-3-.015R12XR	S86-090-4-.015R12XR	\$39.45	\$41.76
0.093 (3/32)	0.279	1.116	0.125	2.50	0.005	S86-093-2-.005R12XR	S86-093-3-.005R12XR	S86-093-4-.005R12XR	\$39.45	\$41.76
0.093 (3/32)	0.279	1.116	0.125	2.50	0.010	S86-093-2-.010R12XR	S86-093-3-.010R12XR	S86-093-4-.010R12XR	\$39.45	\$41.76
0.093 (3/32)	0.279	1.116	0.125	2.50	0.015	S86-093-2-.015R12XR	S86-093-3-.015R12XR	S86-093-4-.015R12XR	\$39.45	\$41.76
0.093 (3/32)	0.279	1.116	0.125	2.50	0.020	S86-093-2-.020R12XR	S86-093-3-.020R12XR	S86-093-4-.020R12XR	\$39.45	\$41.76
0.095	0.285	1.140	0.125	2.50	0.005	S86-095-2-.005R12XR	S86-095-3-.005R12XR	S86-095-4-.005R12XR	\$39.45	\$41.76
0.095	0.285	1.140	0.125	2.50	0.010	S86-095-2-.010R12XR	S86-095-3-.010R12XR	S86-095-4-.010R12XR	\$39.45	\$41.76
0.095	0.285	1.140	0.125	2.50	0.015	S86-095-2-.015R12XR	S86-095-3-.015R12XR	S86-095-4-.015R12XR	\$39.45	\$41.76
0.100	0.300	1.200	0.125	2.50	0.005	S86-100-2-.005R12XR	S86-100-3-.005R12XR	S86-100-4-.005R12XR	\$39.16	\$41.47
0.100	0.300	1.200	0.125	2.50	0.010	S86-100-2-.010R12XR	S86-100-3-.010R12XR	S86-100-4-.010R12XR	\$39.16	\$41.47
0.100	0.300	1.200	0.125	2.50	0.015	S86-100-2-.015R12XR	S86-100-3-.015R12XR	S86-100-4-.015R12XR	\$39.16	\$41.47
0.118 (3mm)	0.354	1.416	0.125	2.50	0.005	S86-118-2-.005R12XR	S86-118-3-.005R12XR	S86-118-4-.005R12XR	\$39.16	\$41.47
0.118 (3mm)	0.354	1.416	0.125	2.50	0.010	S86-118-2-.010R12XR	S86-118-3-.010R12XR	S86-118-4-.010R12XR	\$39.16	\$41.47
0.118 (3mm)	0.354	1.416	0.125	2.50	0.015	S86-118-2-.015R12XR	S86-118-3-.015R12XR	S86-118-4-.015R12XR	\$39.16	\$41.47
0.118 (3mm)	0.354	1.416	0.125	2.50	0.020	S86-118-2-.020R12XR	S86-118-3-.020R12XR	S86-118-4-.020R12XR	\$39.16	\$41.47
0.125 (1/8)	0.375	1.500	0.125	2.50	0.005	S86-125-2-.005R12XR	S86-125-3-.005R12XR	S86-125-4-.005R12XR	\$39.16	\$41.47
0.125 (1/8)	0.375	1.500	0.125	2.50	0.010	S86-125-2-.010R12XR	S86-125-3-.010R12XR	S86-125-4-.010R12XR	\$39.16	\$41.47
0.125 (1/8)	0.375	1.500	0.125	2.50	0.015	S86-125-2-.015R12XR	S86-125-3-.015R12XR	S86-125-4-.015R12XR	\$39.16	\$41.47
0.125 (1/8)	0.375	1.500	0.125	2.50	0.020	S86-125-2-.020R12XR	S86-125-3-.020R12XR	S86-125-4-.020R12XR	\$39.16	\$41.47



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S11

Ball Micro End Mills

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

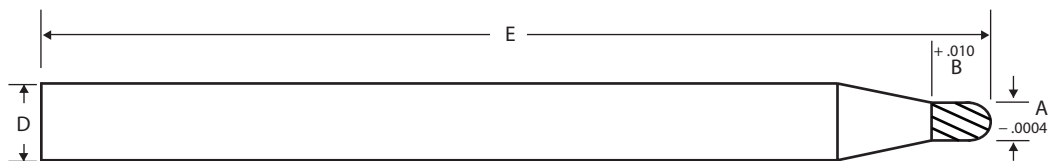
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.004	0.006	0.125	1.50	S11-004-2-BST	N/A	N/A	\$54.64	\$56.95
0.005	0.008	0.125	1.50	S11-005-2-BST	N/A	N/A	\$49.86	\$52.17
0.006	0.009	0.125	1.50	S11-006-2-BST	N/A	N/A	\$49.86	\$52.17
0.008	0.012	0.125	1.50	S11-008-2-BST	N/A	N/A	\$45.32	\$47.63
0.010	0.015	0.125	1.50	S11-010-2-BST	S11-010-3-BST	S11-010-4-BST	\$40.78	\$43.09
0.015 (1/64)	0.023	0.125	1.50	S11-015-2-BST	S11-015-3-BST	S11-015-4-BST	\$32.32	\$34.63
0.020	0.030	0.125	1.50	S11-020-2-BST	S11-020-3-BST	S11-020-4-BST	\$31.04	\$33.36
0.025	0.038	0.125	1.50	S11-025-2-BST	S11-025-3-BST	S11-025-4-BST	\$28.27	\$30.59
0.030	0.045	0.125	1.50	S11-030-2-BST	S11-030-3-BST	S11-030-4-BST	\$25.30	\$27.61
0.031 (1/32)	0.047	0.125	1.50	S11-031-2-BST	S11-031-3-BST	S11-031-4-BST	\$25.30	\$27.61
0.032	0.048	0.125	1.50	S11-032-2-BST	S11-032-3-BST	S11-032-4-BST	\$25.29	\$27.60
0.035	0.053	0.125	1.50	S11-035-2-BST	S11-035-3-BST	S11-035-4-BST	\$23.95	\$26.26
0.039 (1mm)	0.059	0.125	1.50	S11-039-2-BST	S11-039-3-BST	S11-039-4-BST	\$23.95	\$26.26
0.040	0.060	0.125	1.50	S11-040-2-BST	S11-040-3-BST	S11-040-4-BST	\$23.95	\$26.26
0.045	0.068	0.125	1.50	S11-045-2-BST	S11-045-3-BST	S11-045-4-BST	\$23.95	\$26.26
0.047 (3/64)	0.071	0.125	1.50	S11-047-2-BST	S11-047-3-BST	S11-047-4-BST	\$23.95	\$26.26
0.050	0.075	0.125	1.50	S11-050-2-BST	S11-050-3-BST	S11-050-4-BST	\$23.95	\$26.26
0.055	0.083	0.125	1.50	S11-055-2-BST	S11-055-3-BST	S11-055-4-BST	\$23.95	\$26.26
0.060	0.090	0.125	1.50	S11-060-2-BST	S11-060-3-BST	S11-060-4-BST	\$23.09	\$25.40
0.062 (1/16)	0.093	0.125	1.50	S11-062-2-BST	S11-062-3-BST	S11-062-4-BST	\$23.09	\$25.40
0.065	0.098	0.125	1.50	S11-065-2-BST	S11-065-3-BST	S11-065-4-BST	\$23.09	\$25.40
0.070	0.105	0.125	1.50	S11-070-2-BST	S11-070-3-BST	S11-070-4-BST	\$23.09	\$25.40
0.075	0.113	0.125	1.50	S11-075-2-BST	S11-075-3-BST	S11-075-4-BST	\$23.09	\$25.40
0.078 (5/64)	0.117	0.125	1.50	S11-078-2-BST	S11-078-3-BST	S11-078-4-BST	\$23.09	\$25.40
0.080	0.120	0.125	1.50	S11-080-2-BST	S11-080-3-BST	S11-080-4-BST	\$23.09	\$25.40
0.085	0.128	0.125	1.50	S11-085-2-BST	S11-085-3-BST	S11-085-4-BST	\$23.09	\$25.40
0.090	0.135	0.125	1.50	S11-090-2-BST	S11-090-3-BST	S11-090-4-BST	\$23.09	\$25.40
0.093 (3/32)	0.140	0.125	1.50	S11-093-2-BST	S11-093-3-BST	S11-093-4-BST	\$23.09	\$25.40
0.095	0.143	0.125	1.50	S11-095-2-BST	S11-095-3-BST	S11-095-4-BST	\$23.09	\$25.40
0.100	0.150	0.125	1.50	S11-100-2-BST	S11-100-3-BST	S11-100-4-BST	\$23.09	\$25.40
0.118 (3mm)	0.177	0.125	1.50	S11-118-2-BST	S11-118-3-BST	S11-118-4-BST	\$23.09	\$25.40
0.125 (1/8)	0.188	0.125	1.50	S11-125-2-BST	S11-125-3-BST	S11-125-4-BST	\$23.09	\$25.40



CONTACT US

P. 2

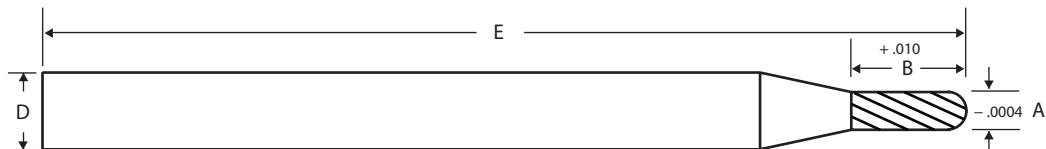
MITGI is open from 8 AM - 4 PM Central Time, and can be reached any time by email or web. See page 2 for more information about ordering and ways to reach us.

Ball Micro End Mills

S07
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

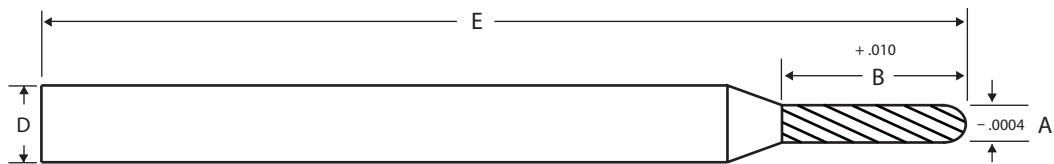
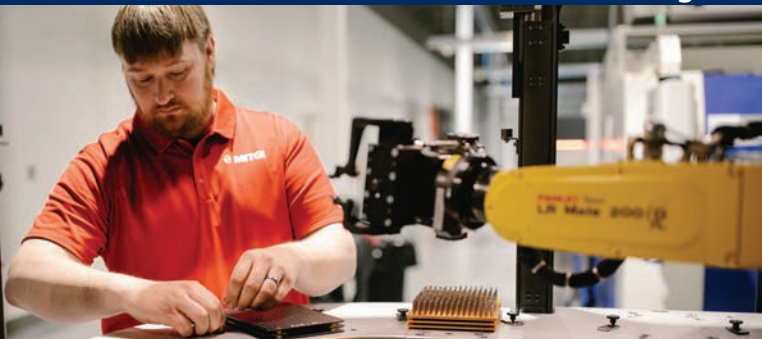
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E					
0.004	0.012	0.125	1.50	S07-004-2-BEM	N/A	N/A	\$54.64	\$56.95
0.005	0.015	0.125	1.50	S07-005-2-BEM	N/A	N/A	\$49.86	\$52.17
0.006	0.018	0.125	1.50	S07-006-2-BEM	N/A	N/A	\$49.86	\$52.17
0.008	0.024	0.125	1.50	S07-008-2-BEM	N/A	N/A	\$45.32	\$47.63
0.010	0.030	0.125	1.50	S07-010-2-BEM	S07-010-3-BEM	S07-010-4-BEM	\$40.78	\$43.09
0.015 (1/64)	0.045	0.125	1.50	S07-015-2-BEM	S07-015-3-BEM	S07-015-4-BEM	\$32.32	\$34.63
0.020	0.060	0.125	1.50	S07-020-2-BEM	S07-020-3-BEM	S07-020-4-BEM	\$31.04	\$33.36
0.025	0.075	0.125	1.50	S07-025-2-BEM	S07-025-3-BEM	S07-025-4-BEM	\$28.27	\$30.59
0.030	0.090	0.125	1.50	S07-030-2-BEM	S07-030-3-BEM	S07-030-4-BEM	\$25.30	\$27.61
0.031 (1/32)	0.093	0.125	1.50	S07-031-2-BEM	S07-031-3-BEM	S07-031-4-BEM	\$25.30	\$27.61
0.032	0.096	0.125	1.50	S07-032-2-BEM	S07-032-3-BEM	S07-032-4-BEM	\$25.29	\$27.60
0.035	0.105	0.125	1.50	S07-035-2-BEM	S07-035-3-BEM	S07-035-4-BEM	\$23.95	\$26.26
0.039 (1mm)	0.117	0.125	1.50	S07-039-2-BEM	S07-039-3-BEM	S07-039-4-BEM	\$23.95	\$26.26
0.040	0.120	0.125	1.50	S07-040-2-BEM	S07-040-3-BEM	S07-040-4-BEM	\$23.95	\$26.26
0.045	0.135	0.125	1.50	S07-045-2-BEM	S07-045-3-BEM	S07-045-4-BEM	\$23.95	\$26.26
0.047 (3/64)	0.141	0.125	1.50	S07-047-2-BEM	S07-047-3-BEM	S07-047-4-BEM	\$23.95	\$26.26
0.050	0.150	0.125	1.50	S07-050-2-BEM	S07-050-3-BEM	S07-050-4-BEM	\$23.95	\$26.26
0.055	0.165	0.125	1.50	S07-055-2-BEM	S07-055-3-BEM	S07-055-4-BEM	\$23.95	\$26.26
0.060	0.180	0.125	1.50	S07-060-2-BEM	S07-060-3-BEM	S07-060-4-BEM	\$23.09	\$25.40
0.062 (1/16)	0.187	0.125	1.50	S07-062-2-BEM	S07-062-3-BEM	S07-062-4-BEM	\$23.09	\$25.40
0.065	0.195	0.125	1.50	S07-065-2-BEM	S07-065-3-BEM	S07-065-4-BEM	\$23.09	\$25.40
0.070	0.210	0.125	1.50	S07-070-2-BEM	S07-070-3-BEM	S07-070-4-BEM	\$23.09	\$25.40
0.075	0.225	0.125	1.50	S07-075-2-BEM	S07-075-3-BEM	S07-075-4-BEM	\$23.09	\$25.40
0.078 (5/64)	0.234	0.125	1.50	S07-078-2-BEM	S07-078-3-BEM	S07-078-4-BEM	\$23.09	\$25.40
0.080	0.240	0.125	1.50	S07-080-2-BEM	S07-080-3-BEM	S07-080-4-BEM	\$23.09	\$25.40
0.085	0.255	0.125	1.50	S07-085-2-BEM	S07-085-3-BEM	S07-085-4-BEM	\$23.09	\$25.40
0.090	0.270	0.125	1.50	S07-090-2-BEM	S07-090-3-BEM	S07-090-4-BEM	\$23.09	\$25.40
0.093 (3/32)	0.279	0.125	1.50	S07-093-2-BEM	S07-093-3-BEM	S07-093-4-BEM	\$23.09	\$25.40
0.095	0.285	0.125	1.50	S07-095-2-BEM	S07-095-3-BEM	S07-095-4-BEM	\$23.09	\$25.40
0.100	0.300	0.125	1.50	S07-100-2-BEM	S07-100-3-BEM	S07-100-4-BEM	\$23.09	\$25.40
0.115	0.345	0.125	1.50	S07-115-2-BEM	S07-115-3-BEM	S07-115-4-BEM	\$23.09	\$25.40
0.118 (3mm)	0.354	0.125	1.50	S07-118-2-BEM	S07-118-3-BEM	S07-118-4-BEM	\$23.09	\$25.40
0.122	0.366	0.125	1.50	S07-122-2-BEM	S07-122-3-BEM	S07-122-4-BEM	\$23.09	\$25.40
0.125 (1/8)	0.375	0.125	1.50	S07-125-2-BEM	S07-125-3-BEM	S07-125-4-BEM	\$23.09	\$25.40



**FLUTES
2,3,4**
**5X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.010	0.050	0.125	2.50	S74-010-2-BN5X	N/A	N/A	\$41.47	\$43.78
0.015 (1/64)	0.075	0.125	2.50	S74-015-2-BN5X	S74-015-3-BN5X	S74-015-4-BN5X	\$38.93	\$41.24
0.020	0.100	0.125	2.50	S74-020-2-BN5X	S74-020-3-BN5X	S74-020-4-BN5X	\$32.46	\$34.77
0.025	0.125	0.125	2.50	S74-025-2-BN5X	S74-025-3-BN5X	S74-025-4-BN5X	\$32.46	\$34.77
0.030	0.150	0.125	2.50	S74-030-2-BN5X	S74-030-3-BN5X	S74-030-4-BN5X	\$30.38	\$32.69
0.031 (1/32)	0.155	0.125	2.50	S74-031-2-BN5X	S74-031-3-BN5X	S74-031-4-BN5X	\$30.38	\$32.69
0.035	0.175	0.125	2.50	S74-035-2-BN5X	S74-035-3-BN5X	S74-035-4-BN5X	\$30.38	\$32.69
0.039 (1mm)	0.195	0.125	2.50	S74-039-2-BN5X	S74-039-3-BN5X	S74-039-4-BN5X	\$30.38	\$32.69
0.040	0.200	0.125	2.50	S74-040-2-BN5X	S74-040-3-BN5X	S74-040-4-BN5X	\$30.38	\$32.69
0.045	0.225	0.125	2.50	S74-045-2-BN5X	S74-045-3-BN5X	S74-045-4-BN5X	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	S74-047-2-BN5X	S74-047-3-BN5X	S74-047-4-BN5X	\$30.38	\$32.69
0.050	0.250	0.125	2.50	S74-050-2-BN5X	S74-050-3-BN5X	S74-050-4-BN5X	\$30.38	\$32.69
0.055	0.275	0.125	2.50	S74-055-2-BN5X	S74-055-3-BN5X	S74-055-4-BN5X	\$26.80	\$29.11
0.060	0.300	0.125	2.50	S74-060-2-BN5X	S74-060-3-BN5X	S74-060-4-BN5X	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	S74-062-2-BN5X	S74-062-3-BN5X	S74-062-4-BN5X	\$26.80	\$29.11
0.065	0.325	0.125	2.50	S74-065-2-BN5X	S74-065-3-BN5X	S74-065-4-BN5X	\$26.80	\$29.11
0.070	0.350	0.125	2.50	S74-070-2-BN5X	S74-070-3-BN5X	S74-070-4-BN5X	\$26.80	\$29.11
0.075	0.375	0.125	2.50	S74-075-2-BN5X	S74-075-3-BN5X	S74-075-4-BN5X	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	S74-078-2-BN5X	S74-078-3-BN5X	S74-078-4-BN5X	\$26.80	\$29.11
0.080	0.400	0.125	2.50	S74-080-2-BN5X	S74-080-3-BN5X	S74-080-4-BN5X	\$26.80	\$29.11
0.085	0.425	0.125	2.50	S74-085-2-BN5X	S74-085-3-BN5X	S74-085-4-BN5X	\$24.72	\$27.03
0.090	0.450	0.125	2.50	S74-090-2-BN5X	S74-090-3-BN5X	S74-090-4-BN5X	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	S74-093-2-BN5X	S74-093-3-BN5X	S74-093-4-BN5X	\$24.72	\$27.03
0.095	0.475	0.125	2.50	S74-095-2-BN5X	S74-095-3-BN5X	S74-095-4-BN5X	\$24.72	\$27.03
0.100	0.500	0.125	2.50	S74-100-2-BN5X	S74-100-3-BN5X	S74-100-4-BN5X	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	S74-118-2-BN5X	S74-118-3-BN5X	S74-118-4-BN5X	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	S74-125-2-BN5X	S74-125-3-BN5X	S74-125-4-BN5X	\$24.72	\$27.03


MANUFACTURED BY MITGI: Selecting the Right Tool

Unsure how many flutes to select to deliver optimum results?

The ideal number of flutes for each tool is based on the application, operation, and the material being cut.

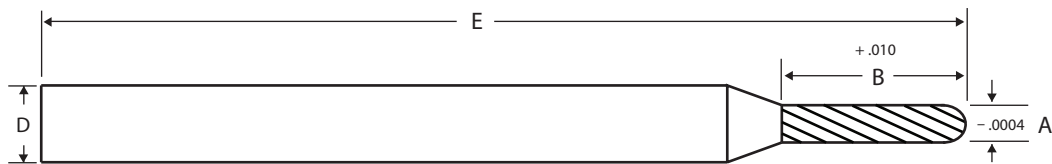
See page 17: Selecting the right tool for the job

Ball Micro End Mills

S75
**FLUTES
2,3,4**
**8X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

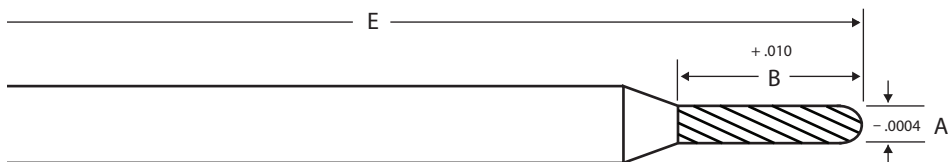
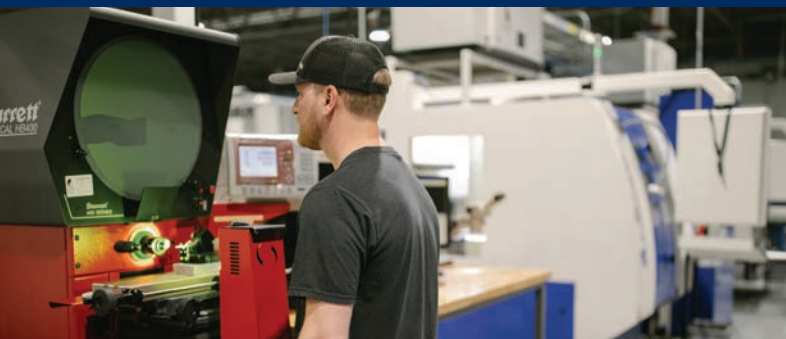
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.010	0.080	0.125	2.50	S75-010-2-BN8X	N/A	N/A	\$70.46	\$72.77
0.015 (1/64)	0.120	0.125	2.50	S75-015-2-BN8X	S75-015-3-BN8X	S75-015-4-BN8X	\$66.07	\$68.38
0.020	0.160	0.125	2.50	S75-020-2-BN8X	S75-020-3-BN8X	S75-020-4-BN8X	\$66.07	\$68.38
0.025	0.200	0.125	2.50	S75-025-2-BN8X	S75-025-3-BN8X	S75-025-4-BN8X	\$59.03	\$61.34
0.030	0.240	0.125	2.50	S75-030-2-BN8X	S75-030-3-BN8X	S75-030-4-BN8X	\$59.03	\$61.34
0.031 (1/32)	0.248	0.125	2.50	S75-031-2-BN8X	S75-031-3-BN8X	S75-031-4-BN8X	\$59.03	\$61.34
0.035	0.280	0.125	2.50	S75-035-2-BN8X	S75-035-3-BN8X	S75-035-4-BN8X	\$59.03	\$61.34
0.039 (1mm)	0.312	0.125	2.50	S75-039-2-BN8X	S75-039-3-BN8X	S75-039-4-BN8X	\$57.52	\$59.83
0.040	0.320	0.125	2.50	S75-040-2-BN8X	S75-040-3-BN8X	S75-040-4-BN8X	\$57.52	\$59.83
0.045	0.360	0.125	2.50	S75-045-2-BN8X	S75-045-3-BN8X	S75-045-4-BN8X	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	S75-047-2-BN8X	S75-047-3-BN8X	S75-047-4-BN8X	\$54.75	\$57.06
0.050	0.400	0.125	2.50	S75-050-2-BN8X	S75-050-3-BN8X	S75-050-4-BN8X	\$54.75	\$57.06
0.055	0.440	0.125	2.50	S75-055-2-BN8X	S75-055-3-BN8X	S75-055-4-BN8X	\$35.93	\$38.24
0.060	0.480	0.125	2.50	S75-060-2-BN8X	S75-060-3-BN8X	S75-060-4-BN8X	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	S75-062-2-BN8X	S75-062-3-BN8X	S75-062-4-BN8X	\$35.93	\$38.24
0.065	0.520	0.125	2.50	S75-065-2-BN8X	S75-065-3-BN8X	S75-065-4-BN8X	\$29.16	\$31.47
0.070	0.560	0.125	2.50	S75-070-2-BN8X	S75-070-3-BN8X	S75-070-4-BN8X	\$29.16	\$31.47
0.075	0.600	0.125	2.50	S75-075-2-BN8X	S75-075-3-BN8X	S75-075-4-BN8X	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	S75-078-2-BN8X	S75-078-3-BN8X	S75-078-4-BN8X	\$29.16	\$31.47
0.080	0.640	0.125	2.50	S75-080-2-BN8X	S75-080-3-BN8X	S75-080-4-BN8X	\$29.16	\$31.47
0.085	0.680	0.125	2.50	S75-085-2-BN8X	S75-085-3-BN8X	S75-085-4-BN8X	\$29.16	\$31.47
0.090	0.720	0.125	2.50	S75-090-2-BN8X	S75-090-3-BN8X	S75-090-4-BN8X	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	S75-093-2-BN8X	S75-093-3-BN8X	S75-093-4-BN8X	\$28.24	\$30.55
0.095	0.760	0.125	2.50	S75-095-2-BN8X	S75-095-3-BN8X	S75-095-4-BN8X	\$28.24	\$30.55
0.100	0.800	0.125	2.50	S75-100-2-BN8X	S75-100-3-BN8X	S75-100-4-BN8X	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	S75-118-2-BN8X	S75-118-3-BN8X	S75-118-4-BN8X	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	S75-125-2-BN8X	S75-125-3-BN8X	S75-125-4-BN8X	\$28.24	\$30.55



**FLUTES
2,3,4**
**12X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
T
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.015 (1/64)	0.180	0.125	2.50	S76-015-2-BN12X	S76-015-3-BN12X	S76-015-4-BN12X	\$79.82	\$82.13
0.020	0.240	0.125	2.50	S76-020-2-BN12X	S76-020-3-BN12X	S76-020-4-BN12X	\$76.23	\$78.54
0.025	0.300	0.125	2.50	S76-025-2-BN12X	S76-025-3-BN12X	S76-025-4-BN12X	\$72.82	\$75.13
0.030	0.360	0.125	2.50	S76-030-2-BN12X	S76-030-3-BN12X	S76-030-4-BN12X	\$66.88	\$69.19
0.031 (1/32)	0.372	0.125	2.50	S76-031-2-BN12X	S76-031-3-BN12X	S76-031-4-BN12X	\$66.88	\$69.19
0.035	0.420	0.125	2.50	S76-035-2-BN12X	S76-035-3-BN12X	S76-035-4-BN12X	\$66.88	\$69.19
0.039 (1mm)	0.468	0.125	2.50	S76-039-2-BN12X	S76-039-3-BN12X	S76-039-4-BN12X	\$66.88	\$69.19
0.040	0.480	0.125	2.50	S76-040-2-BN12X	S76-040-3-BN12X	S76-040-4-BN12X	\$66.88	\$69.19
0.045	0.540	0.125	2.50	S76-045-2-BN12X	S76-045-3-BN12X	S76-045-4-BN12X	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	S76-047-2-BN12X	S76-047-3-BN12X	S76-047-4-BN12X	\$66.88	\$69.19
0.050	0.600	0.125	2.50	S76-050-2-BN12X	S76-050-3-BN12X	S76-050-4-BN12X	\$59.37	\$61.68
0.055	0.660	0.125	2.50	S76-055-2-BN12X	S76-055-3-BN12X	S76-055-4-BN12X	\$59.37	\$61.68
0.060	0.720	0.125	2.50	S76-060-2-BN12X	S76-060-3-BN12X	S76-060-4-BN12X	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	S76-062-2-BN12X	S76-062-3-BN12X	S76-062-4-BN12X	\$53.25	\$55.56
0.065	0.780	0.125	2.50	S76-065-2-BN12X	S76-065-3-BN12X	S76-065-4-BN12X	\$53.25	\$55.56
0.070	0.840	0.125	2.50	S76-070-2-BN12X	S76-070-3-BN12X	S76-070-4-BN12X	\$52.67	\$54.98
0.075	0.900	0.125	2.50	S76-075-2-BN12X	S76-075-3-BN12X	S76-075-4-BN12X	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	S76-078-2-BN12X	S76-078-3-BN12X	S76-078-4-BN12X	\$52.67	\$54.98
0.080	0.960	0.125	2.50	S76-080-2-BN12X	S76-080-3-BN12X	S76-080-4-BN12X	\$52.67	\$54.98
0.085	1.020	0.125	2.50	S76-085-2-BN12X	S76-085-3-BN12X	S76-085-4-BN12X	\$52.67	\$54.98
0.090	1.080	0.125	2.50	S76-090-2-BN12X	S76-090-3-BN12X	S76-090-4-BN12X	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	S76-093-2-BN12X	S76-093-3-BN12X	S76-093-4-BN12X	\$51.69	\$54.00
0.095	1.140	0.125	2.50	S76-095-2-BN12X	S76-095-3-BN12X	S76-095-4-BN12X	\$51.69	\$54.00
0.100	1.200	0.125	2.50	S76-100-2-BN12X	S76-100-3-BN12X	S76-100-4-BN12X	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	S76-118-2-BN12X	S76-118-3-BN12X	S76-118-4-BN12X	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	S76-125-2-BN12X	S76-125-3-BN12X	S76-125-4-BN12X	\$51.69	\$54.00


MANUFACTURED BY MITGI: Turnaround and Stocking Options

Facing a tight production schedule, or suddenly out of a tool you need?

MITGI standards can ship in 3 days or less, and usually within 2 weeks for specials. After standard tools have been ordered, they are stocked and available for same day shipment.

See page 117: Scheduling and stocking options



SPECIALS

All standard tool types are available with a variety of options as specials or modified standards. Each section of the catalog includes more information about specials in that category.

In addition to standard tool categories, MITGI also manufactures the following custom tool types:

- **Drills, Drill Mills, Spot Drills, G-Style Drills, Double Margin Drills, Spade Drills, Gun Drills**
- **Multi-Diameter Step Tooling, Step Drills, Step Reamers**
- **Countersinks, Counterbores**
- Form Tools
- Intersecting Form Tools
- Specialty Mold Tooling
- Chamfer Cutters, Corner Rounders
- Keyseat Cutters, Woodruff Cutters
- Dovetails
- Combination Tools
- Slitting Saws (mounted and arbor)
- Broaches, Pins, Go/No-Go Gauges
- **Corner Rounding End Mills**
- Boring Bars
- **Rebar Tools, Thread Bars**
- Specialty Tool Manufacturing to Customer Print or Design

More information on specials and quote forms can be found on pages 206-207.

Renewing services available on tools larger than 1/8" in designated tool categories (marked in **BOLD**).

TOOL TYPES AND REGRINDS

STANDARDS

All standard tool lines are available in 3 days or less (except saws, see pages 202-205 for more details). All stocked tools are available for same or next day shipment.

- Micro End Mills (stub, standard, extended reach, extended length of cut)
- Micro Drills
- **Reamers**
- Drafted Mold Tools
- Clearance Cutter Mold Tools
- Tapered Rib Cutter Mold Tools
- **Single Point and Full Form Thread Mills**
- **End Mills**
- Undercutting End Mills/Cherry Ball Tools
- **Spot Drills, Drill Mills**
- Deburring Knives
- Keyseat Cutters
- Chamfer Cutters
- Engraving Cutters
- Coolant Thru Thread Mills
- Coolant Thru Micro Drills
- Brazed Saws



S80

Ball Micro End Mills

**FLUTES
2,3,4**

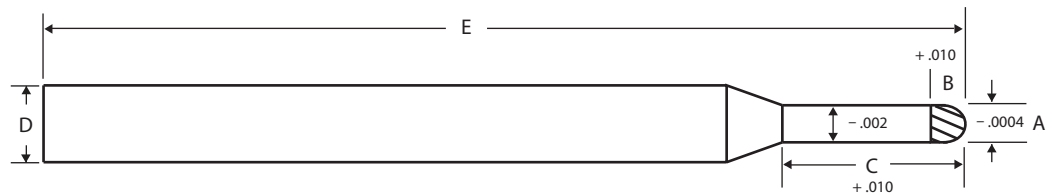
**1.5X
LENGTH
OF CUT**

**5X
REACH**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.015	0.050	0.125	2.50	S80-010-2-SBN5XR	N/A	N/A	\$57.29	\$59.60
0.015 (1/64)	0.023	0.075	0.125	2.50	S80-015-2-SBN5XR	S80-015-3-SBN5XR	S80-015-4-SBN5XR	\$48.63	\$50.94
0.020	0.030	0.100	0.125	2.50	S80-020-2-SBN5XR	S80-020-3-SBN5XR	S80-020-4-SBN5XR	\$40.66	\$42.97
0.025	0.038	0.125	0.125	2.50	S80-025-2-SBN5XR	S80-025-3-SBN5XR	S80-025-4-SBN5XR	\$39.68	\$41.99
0.030	0.045	0.150	0.125	2.50	S80-030-2-SBN5XR	S80-030-3-SBN5XR	S80-030-4-SBN5XR	\$39.68	\$41.99
0.031 (1/32)	0.047	0.155	0.125	2.50	S80-031-2-SBN5XR	S80-031-3-SBN5XR	S80-031-4-SBN5XR	\$39.68	\$41.99
0.035	0.053	0.175	0.125	2.50	S80-035-2-SBN5XR	S80-035-3-SBN5XR	S80-035-4-SBN5XR	\$39.68	\$41.99
0.039 (1mm)	0.059	0.195	0.125	2.50	S80-039-2-SBN5XR	S80-039-3-SBN5XR	S80-039-4-SBN5XR	\$39.68	\$41.99
0.040	0.060	0.200	0.125	2.50	S80-040-2-SBN5XR	S80-040-3-SBN5XR	S80-040-4-SBN5XR	\$39.68	\$41.99
0.045	0.068	0.225	0.125	2.50	S80-045-2-SBN5XR	S80-045-3-SBN5XR	S80-045-4-SBN5XR	\$39.68	\$41.99
0.047 (3/64)	0.071	0.235	0.125	2.50	S80-047-2-SBN5XR	S80-047-3-SBN5XR	S80-047-4-SBN5XR	\$39.68	\$41.99
0.050	0.075	0.250	0.125	2.50	S80-050-2-SBN5XR	S80-050-3-SBN5XR	S80-050-4-SBN5XR	\$39.68	\$41.99
0.055	0.083	0.275	0.125	2.50	S80-055-2-SBN5XR	S80-055-3-SBN5XR	S80-055-4-SBN5XR	\$38.47	\$40.78
0.060	0.090	0.300	0.125	2.50	S80-060-2-SBN5XR	S80-060-3-SBN5XR	S80-060-4-SBN5XR	\$38.47	\$40.78
0.062 (1/16)	0.093	0.310	0.125	2.50	S80-062-2-SBN5XR	S80-062-3-SBN5XR	S80-062-4-SBN5XR	\$38.47	\$40.78
0.065	0.098	0.325	0.125	2.50	S80-065-2-SBN5XR	S80-065-3-SBN5XR	S80-065-4-SBN5XR	\$38.47	\$40.78
0.070	0.105	0.350	0.125	2.50	S80-070-2-SBN5XR	S80-070-3-SBN5XR	S80-070-4-SBN5XR	\$38.47	\$40.78
0.075	0.113	0.375	0.125	2.50	S80-075-2-SBN5XR	S80-075-3-SBN5XR	S80-075-4-SBN5XR	\$38.47	\$40.78
0.078 (5/64)	0.117	0.390	0.125	2.50	S80-078-2-SBN5XR	S80-078-3-SBN5XR	S80-078-4-SBN5XR	\$38.47	\$40.78
0.080	0.120	0.400	0.125	2.50	S80-080-2-SBN5XR	S80-080-3-SBN5XR	S80-080-4-SBN5XR	\$38.47	\$40.78
0.085	0.128	0.425	0.125	2.50	S80-085-2-SBN5XR	S80-085-3-SBN5XR	S80-085-4-SBN5XR	\$38.47	\$40.78
0.090	0.135	0.450	0.125	2.50	S80-090-2-SBN5XR	S80-090-3-SBN5XR	S80-090-4-SBN5XR	\$38.47	\$40.78
0.093 (3/32)	0.140	0.465	0.125	2.50	S80-093-2-SBN5XR	S80-093-3-SBN5XR	S80-093-4-SBN5XR	\$38.47	\$40.78
0.095	0.143	0.475	0.125	2.50	S80-095-2-SBN5XR	S80-095-3-SBN5XR	S80-095-4-SBN5XR	\$38.47	\$40.78
0.100	0.150	0.500	0.125	2.50	S80-100-2-SBN5XR	S80-100-3-SBN5XR	S80-100-4-SBN5XR	\$38.47	\$40.78
0.118 (3mm)	0.177	0.590	0.125	2.50	S80-118-2-SBN5XR	S80-118-3-SBN5XR	S80-118-4-SBN5XR	\$38.47	\$40.78
0.125 (1/8)	0.188	0.625	0.125	2.50	S80-125-2-SBN5XR	S80-125-3-SBN5XR	S80-125-4-SBN5XR	\$38.47	\$40.78

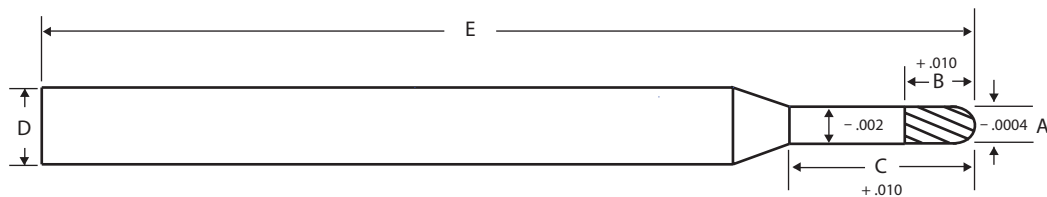


Ball Micro End Mills

S77
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
**5X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.030	0.050	0.125	2.50	S77-010-2-BN5XR	N/A	N/A	\$57.29	\$59.60
0.015 (1/64)	0.045	0.075	0.125	2.50	S77-015-2-BN5XR	S77-015-3-BN5XR	S77-015-4-BN5XR	\$48.63	\$50.94
0.020	0.060	0.100	0.125	2.50	S77-020-2-BN5XR	S77-020-3-BN5XR	S77-020-4-BN5XR	\$40.66	\$42.97
0.025	0.075	0.125	0.125	2.50	S77-025-2-BN5XR	S77-025-3-BN5XR	S77-025-4-BN5XR	\$39.68	\$41.99
0.030	0.090	0.150	0.125	2.50	S77-030-2-BN5XR	S77-030-3-BN5XR	S77-030-4-BN5XR	\$39.68	\$41.99
0.031 (1/32)	0.093	0.155	0.125	2.50	S77-031-2-BN5XR	S77-031-3-BN5XR	S77-031-4-BN5XR	\$39.68	\$41.99
0.035	0.105	0.175	0.125	2.50	S77-035-2-BN5XR	S77-035-3-BN5XR	S77-035-4-BN5XR	\$39.68	\$41.99
0.039 (1mm)	0.117	0.195	0.125	2.50	S77-039-2-BN5XR	S77-039-3-BN5XR	S77-039-4-BN5XR	\$39.68	\$41.99
0.040	0.120	0.200	0.125	2.50	S77-040-2-BN5XR	S77-040-3-BN5XR	S77-040-4-BN5XR	\$39.68	\$41.99
0.045	0.135	0.225	0.125	2.50	S77-045-2-BN5XR	S77-045-3-BN5XR	S77-045-4-BN5XR	\$39.68	\$41.99
0.047 (3/64)	0.141	0.235	0.125	2.50	S77-047-2-BN5XR	S77-047-3-BN5XR	S77-047-4-BN5XR	\$39.68	\$41.99
0.050	0.150	0.250	0.125	2.50	S77-050-2-BN5XR	S77-050-3-BN5XR	S77-050-4-BN5XR	\$39.68	\$41.99
0.055	0.165	0.275	0.125	2.50	S77-055-2-BN5XR	S77-055-3-BN5XR	S77-055-4-BN5XR	\$38.47	\$40.78
0.060	0.180	0.300	0.125	2.50	S77-060-2-BN5XR	S77-060-3-BN5XR	S77-060-4-BN5XR	\$38.47	\$40.78
0.062 (1/16)	0.186	0.310	0.125	2.50	S77-062-2-BN5XR	S77-062-3-BN5XR	S77-062-4-BN5XR	\$38.47	\$40.78
0.065	0.195	0.325	0.125	2.50	S77-065-2-BN5XR	S77-065-3-BN5XR	S77-065-4-BN5XR	\$38.47	\$40.78
0.070	0.210	0.350	0.125	2.50	S77-070-2-BN5XR	S77-070-3-BN5XR	S77-070-4-BN5XR	\$38.47	\$40.78
0.075	0.225	0.375	0.125	2.50	S77-075-2-BN5XR	S77-075-3-BN5XR	S77-075-4-BN5XR	\$38.47	\$40.78
0.078 (5/64)	0.234	0.390	0.125	2.50	S77-078-2-BN5XR	S77-078-3-BN5XR	S77-078-4-BN5XR	\$38.47	\$40.78
0.080	0.240	0.400	0.125	2.50	S77-080-2-BN5XR	S77-080-3-BN5XR	S77-080-4-BN5XR	\$38.47	\$40.78
0.085	0.255	0.425	0.125	2.50	S77-085-2-BN5XR	S77-085-3-BN5XR	S77-085-4-BN5XR	\$38.47	\$40.78
0.090	0.270	0.450	0.125	2.50	S77-090-2-BN5XR	S77-090-3-BN5XR	S77-090-4-BN5XR	\$38.47	\$40.78
0.093 (3/32)	0.279	0.465	0.125	2.50	S77-093-2-BN5XR	S77-093-3-BN5XR	S77-093-4-BN5XR	\$38.47	\$40.78
0.095	0.285	0.475	0.125	2.50	S77-095-2-BN5XR	S77-095-3-BN5XR	S77-095-4-BN5XR	\$38.47	\$40.78
0.100	0.300	0.500	0.125	2.50	S77-100-2-BN5XR	S77-100-3-BN5XR	S77-100-4-BN5XR	\$38.47	\$40.78
0.118 (3mm)	0.354	0.590	0.125	2.50	S77-118-2-BN5XR	S77-118-3-BN5XR	S77-118-4-BN5XR	\$38.47	\$40.78
0.125 (1/8)	0.375	0.625	0.125	2.50	S77-125-2-BN5XR	S77-125-3-BN5XR	S77-125-4-BN5XR	\$38.47	\$40.78



Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.



MADE IN THE USA

MANUFACTURED BY MITGI

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S81

Ball Micro End Mills

**FLUTES
2,3,4**

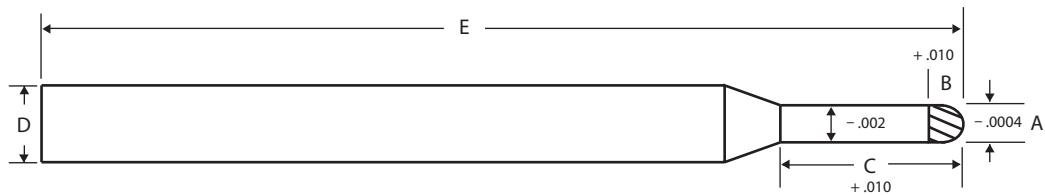
**1.5X
LENGTH
OF CUT**

**8X
REACH**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.015	0.080	0.125	2.50	S81-010-2-SBN8XR	N/A	N/A	\$57.52	\$59.83
0.015 (1/64)	0.023	0.120	0.125	2.50	S81-015-2-SBN8XR	S81-015-3-SBN8XR	S81-015-4-SBN8XR	\$48.63	\$50.94
0.020	0.030	0.160	0.125	2.50	S81-020-2-SBN8XR	S81-020-3-SBN8XR	S81-020-4-SBN8XR	\$41.24	\$43.55
0.025	0.038	0.200	0.125	2.50	S81-025-2-SBN8XR	S81-025-3-SBN8XR	S81-025-4-SBN8XR	\$40.19	\$42.50
0.030	0.045	0.240	0.125	2.50	S81-030-2-SBN8XR	S81-030-3-SBN8XR	S81-030-4-SBN8XR	\$40.19	\$42.50
0.031 (1/32)	0.047	0.248	0.125	2.50	S81-031-2-SBN8XR	S81-031-3-SBN8XR	S81-031-4-SBN8XR	\$40.19	\$42.50
0.035	0.053	0.280	0.125	2.50	S81-035-2-SBN8XR	S81-035-3-SBN8XR	S81-035-4-SBN8XR	\$40.19	\$42.50
0.039 (1mm)	0.059	0.312	0.125	2.50	S81-039-2-SBN8XR	S81-039-3-SBN8XR	S81-039-4-SBN8XR	\$40.19	\$42.50
0.040	0.060	0.320	0.125	2.50	S81-040-2-SBN8XR	S81-040-3-SBN8XR	S81-040-4-SBN8XR	\$40.19	\$42.50
0.045	0.068	0.360	0.125	2.50	S81-045-2-SBN8XR	S81-045-3-SBN8XR	S81-045-4-SBN8XR	\$40.19	\$42.50
0.047 (3/64)	0.071	0.376	0.125	2.50	S81-047-2-SBN8XR	S81-047-3-SBN8XR	S81-047-4-SBN8XR	\$40.19	\$42.50
0.050	0.075	0.400	0.125	2.50	S81-050-2-SBN8XR	S81-050-3-SBN8XR	S81-050-4-SBN8XR	\$40.19	\$42.50
0.055	0.083	0.440	0.125	2.50	S81-055-2-SBN8XR	S81-055-3-SBN8XR	S81-055-4-SBN8XR	\$38.93	\$41.24
0.060	0.090	0.480	0.125	2.50	S81-060-2-SBN8XR	S81-060-3-SBN8XR	S81-060-4-SBN8XR	\$38.93	\$41.24
0.062 (1/16)	0.093	0.496	0.125	2.50	S81-062-2-SBN8XR	S81-062-3-SBN8XR	S81-062-4-SBN8XR	\$38.93	\$41.24
0.065	0.098	0.520	0.125	2.50	S81-065-2-SBN8XR	S81-065-3-SBN8XR	S81-065-4-SBN8XR	\$38.93	\$41.24
0.070	0.105	0.560	0.125	2.50	S81-070-2-SBN8XR	S81-070-3-SBN8XR	S81-070-4-SBN8XR	\$38.93	\$41.24
0.075	0.113	0.600	0.125	2.50	S81-075-2-SBN8XR	S81-075-3-SBN8XR	S81-075-4-SBN8XR	\$38.93	\$41.24
0.078 (5/64)	0.117	0.624	0.125	2.50	S81-078-2-SBN8XR	S81-078-3-SBN8XR	S81-078-4-SBN8XR	\$38.93	\$41.24
0.080	0.120	0.640	0.125	2.50	S81-080-2-SBN8XR	S81-080-3-SBN8XR	S81-080-4-SBN8XR	\$38.93	\$41.24
0.085	0.128	0.680	0.125	2.50	S81-085-2-SBN8XR	S81-085-3-SBN8XR	S81-085-4-SBN8XR	\$38.93	\$41.24
0.090	0.135	0.720	0.125	2.50	S81-090-2-SBN8XR	S81-090-3-SBN8XR	S81-090-4-SBN8XR	\$38.93	\$41.24
0.093 (3/32)	0.140	0.744	0.125	2.50	S81-093-2-SBN8XR	S81-093-3-SBN8XR	S81-093-4-SBN8XR	\$38.93	\$41.24
0.095	0.143	0.760	0.125	2.50	S81-095-2-SBN8XR	S81-095-3-SBN8XR	S81-095-4-SBN8XR	\$38.93	\$41.24
0.100	0.150	0.800	0.125	2.50	S81-100-2-SBN8XR	S81-100-3-SBN8XR	S81-100-4-SBN8XR	\$38.93	\$41.24
0.118 (3mm)	0.177	0.944	0.125	2.50	S81-118-2-SBN8XR	S81-118-3-SBN8XR	S81-118-4-SBN8XR	\$38.93	\$41.24
0.125 (1/8)	0.188	1.000	0.125	2.50	S81-125-2-SBN8XR	S81-125-3-SBN8XR	S81-125-4-SBN8XR	\$38.93	\$41.24

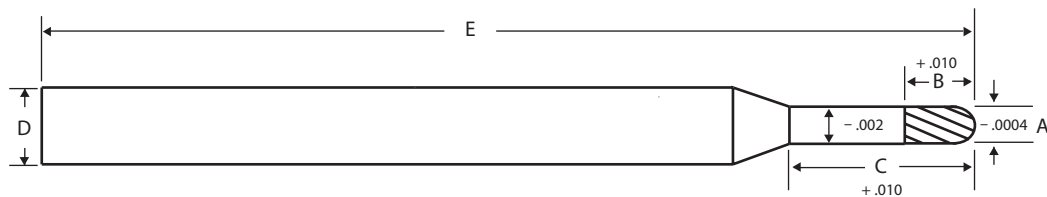


Ball Micro End Mills

S78
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
**8X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.030	0.080	0.125	2.50	S78-010-2-BN8XR	N/A	N/A	\$57.52	\$59.83
0.015 (1/64)	0.045	0.120	0.125	2.50	S78-015-2-BN8XR	S78-015-3-BN8XR	S78-015-4-BN8XR	\$48.63	\$50.94
0.020	0.060	0.160	0.125	2.50	S78-020-2-BN8XR	S78-020-3-BN8XR	S78-020-4-BN8XR	\$41.24	\$43.55
0.025	0.075	0.200	0.125	2.50	S78-025-2-BN8XR	S78-025-3-BN8XR	S78-025-4-BN8XR	\$40.19	\$42.50
0.030	0.090	0.240	0.125	2.50	S78-030-2-BN8XR	S78-030-3-BN8XR	S78-030-4-BN8XR	\$40.19	\$42.50
0.031 (1/32)	0.093	0.248	0.125	2.50	S78-031-2-BN8XR	S78-031-3-BN8XR	S78-031-4-BN8XR	\$40.19	\$42.50
0.035	0.105	0.280	0.125	2.50	S78-035-2-BN8XR	S78-035-3-BN8XR	S78-035-4-BN8XR	\$40.19	\$42.50
0.039 (1mm)	0.117	0.312	0.125	2.50	S78-039-2-BN8XR	S78-039-3-BN8XR	S78-039-4-BN8XR	\$40.19	\$42.50
0.040	0.120	0.320	0.125	2.50	S78-040-2-BN8XR	S78-040-3-BN8XR	S78-040-4-BN8XR	\$40.19	\$42.50
0.045	0.135	0.360	0.125	2.50	S78-045-2-BN8XR	S78-045-3-BN8XR	S78-045-4-BN8XR	\$40.19	\$42.50
0.047 (3/64)	0.141	0.376	0.125	2.50	S78-047-2-BN8XR	S78-047-3-BN8XR	S78-047-4-BN8XR	\$40.19	\$42.50
0.050	0.150	0.400	0.125	2.50	S78-050-2-BN8XR	S78-050-3-BN8XR	S78-050-4-BN8XR	\$40.19	\$42.50
0.055	0.165	0.440	0.125	2.50	S78-055-2-BN8XR	S78-055-3-BN8XR	S78-055-4-BN8XR	\$38.93	\$41.24
0.060	0.180	0.480	0.125	2.50	S78-060-2-BN8XR	S78-060-3-BN8XR	S78-060-4-BN8XR	\$38.93	\$41.24
0.062 (1/16)	0.186	0.496	0.125	2.50	S78-062-2-BN8XR	S78-062-3-BN8XR	S78-062-4-BN8XR	\$38.93	\$41.24
0.065	0.195	0.520	0.125	2.50	S78-065-2-BN8XR	S78-065-3-BN8XR	S78-065-4-BN8XR	\$38.93	\$41.24
0.070	0.210	0.560	0.125	2.50	S78-070-2-BN8XR	S78-070-3-BN8XR	S78-070-4-BN8XR	\$38.93	\$41.24
0.075	0.225	0.600	0.125	2.50	S78-075-2-BN8XR	S78-075-3-BN8XR	S78-075-4-BN8XR	\$38.93	\$41.24
0.078 (5/64)	0.234	0.624	0.125	2.50	S78-078-2-BN8XR	S78-078-3-BN8XR	S78-078-4-BN8XR	\$38.93	\$41.24
0.080	0.240	0.640	0.125	2.50	S78-080-2-BN8XR	S78-080-3-BN8XR	S78-080-4-BN8XR	\$38.93	\$41.24
0.085	0.255	0.680	0.125	2.50	S78-085-2-BN8XR	S78-085-3-BN8XR	S78-085-4-BN8XR	\$38.93	\$41.24
0.090	0.270	0.720	0.125	2.50	S78-090-2-BN8XR	S78-090-3-BN8XR	S78-090-4-BN8XR	\$38.93	\$41.24
0.093 (3/32)	0.279	0.744	0.125	2.50	S78-093-2-BN8XR	S78-093-3-BN8XR	S78-093-4-BN8XR	\$38.93	\$41.24
0.095	0.285	0.760	0.125	2.50	S78-095-2-BN8XR	S78-095-3-BN8XR	S78-095-4-BN8XR	\$38.93	\$41.24
0.100	0.300	0.800	0.125	2.50	S78-100-2-BN8XR	S78-100-3-BN8XR	S78-100-4-BN8XR	\$38.93	\$41.24
0.118 (3mm)	0.354	0.944	0.125	2.50	S78-118-2-BN8XR	S78-118-3-BN8XR	S78-118-4-BN8XR	\$38.93	\$41.24
0.125 (1/8)	0.375	1.000	0.125	2.50	S78-125-2-BN8XR	S78-125-3-BN8XR	S78-125-4-BN8XR	\$38.93	\$41.24



COATING

P.208

In-house coating allows MITGI to deliver high-quality coating applied consistently from tool-to-tool and batch-to-batch, with short turnaround times. See pages 208-209 for more information regarding coating options, pricing, and timelines.



S82

Ball Micro End Mills

**FLUTES
2,3,4**

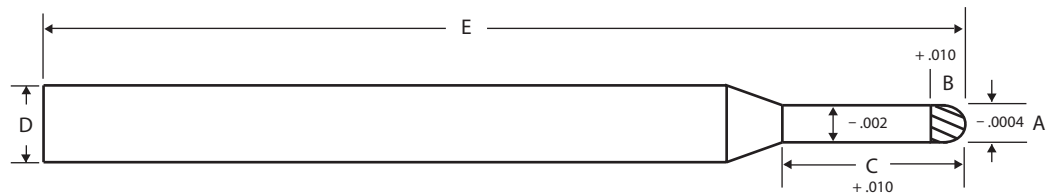
**1.5X
LENGTH
OF CUT**

**12X
REACH**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.015	0.120	0.125	2.50	S82-010-2-SBN12XR	N/A	N/A	\$58.67	\$60.98
0.015 (1/64)	0.023	0.180	0.125	2.50	S82-015-2-SBN12XR	S82-015-3-SBN12XR	S82-015-4-SBN12XR	\$49.79	\$52.10
0.020	0.030	0.240	0.125	2.50	S82-020-2-SBN12XR	S82-020-3-SBN12XR	S82-020-4-SBN12XR	\$49.20	\$51.51
0.025	0.038	0.300	0.125	2.50	S82-025-2-SBN12XR	S82-025-3-SBN12XR	S82-025-4-SBN12XR	\$42.39	\$44.70
0.030	0.045	0.360	0.125	2.50	S82-030-2-SBN12XR	S82-030-3-SBN12XR	S82-030-4-SBN12XR	\$41.06	\$43.37
0.031 (1/32)	0.047	0.372	0.125	2.50	S82-031-2-SBN12XR	S82-031-3-SBN12XR	S82-031-4-SBN12XR	\$41.06	\$43.37
0.035	0.053	0.420	0.125	2.50	S82-035-2-SBN12XR	S82-035-3-SBN12XR	S82-035-4-SBN12XR	\$41.06	\$43.37
0.039 (1mm)	0.059	0.468	0.125	2.50	S82-039-2-SBN12XR	S82-039-3-SBN12XR	S82-039-4-SBN12XR	\$41.06	\$43.37
0.040	0.060	0.480	0.125	2.50	S82-040-2-SBN12XR	S82-040-3-SBN12XR	S82-040-4-SBN12XR	\$41.06	\$43.37
0.045	0.068	0.540	0.125	2.50	S82-045-2-SBN12XR	S82-045-3-SBN12XR	S82-045-4-SBN12XR	\$41.06	\$43.37
0.047 (3/64)	0.071	0.564	0.125	2.50	S82-047-2-SBN12XR	S82-047-3-SBN12XR	S82-047-4-SBN12XR	\$41.06	\$43.37
0.050	0.075	0.600	0.125	2.50	S82-050-2-SBN12XR	S82-050-3-SBN12XR	S82-050-4-SBN12XR	\$41.06	\$43.37
0.055	0.083	0.660	0.125	2.50	S82-055-2-SBN12XR	S82-055-3-SBN12XR	S82-055-4-SBN12XR	\$39.73	\$42.04
0.060	0.090	0.720	0.125	2.50	S82-060-2-SBN12XR	S82-060-3-SBN12XR	S82-060-4-SBN12XR	\$39.73	\$42.04
0.062 (1/16)	0.093	0.744	0.125	2.50	S82-062-2-SBN12XR	S82-062-3-SBN12XR	S82-062-4-SBN12XR	\$39.73	\$42.04
0.065	0.098	0.780	0.125	2.50	S82-065-2-SBN12XR	S82-065-3-SBN12XR	S82-065-4-SBN12XR	\$39.73	\$42.04
0.070	0.105	0.840	0.125	2.50	S82-070-2-SBN12XR	S82-070-3-SBN12XR	S82-070-4-SBN12XR	\$39.73	\$42.04
0.075	0.113	0.900	0.125	2.50	S82-075-2-SBN12XR	S82-075-3-SBN12XR	S82-075-4-SBN12XR	\$39.73	\$42.04
0.078 (5/64)	0.117	0.936	0.125	2.50	S82-078-2-SBN12XR	S82-078-3-SBN12XR	S82-078-4-SBN12XR	\$39.73	\$42.04
0.080	0.120	0.960	0.125	2.50	S82-080-2-SBN12XR	S82-080-3-SBN12XR	S82-080-4-SBN12XR	\$39.73	\$42.04
0.085	0.128	1.020	0.125	2.50	S82-085-2-SBN12XR	S82-085-3-SBN12XR	S82-085-4-SBN12XR	\$39.73	\$42.04
0.090	0.135	1.080	0.125	2.50	S82-090-2-SBN12XR	S82-090-3-SBN12XR	S82-090-4-SBN12XR	\$39.73	\$42.04
0.093 (3/32)	0.140	1.116	0.125	2.50	S82-093-2-SBN12XR	S82-093-3-SBN12XR	S82-093-4-SBN12XR	\$39.73	\$42.04
0.095	0.143	1.140	0.125	2.50	S82-095-2-SBN12XR	S82-095-3-SBN12XR	S82-095-4-SBN12XR	\$39.73	\$42.04
0.100	0.150	1.200	0.125	2.50	S82-100-2-SBN12XR	S82-100-3-SBN12XR	S82-100-4-SBN12XR	\$39.73	\$42.04
0.118 (3mm)	0.177	1.416	0.125	2.50	S82-118-2-SBN12XR	S82-118-3-SBN12XR	S82-118-4-SBN12XR	\$39.73	\$42.04
0.125 (1/8)	0.187	1.500	0.125	2.50	S82-125-2-SBN12XR	S82-125-3-SBN12XR	S82-125-4-SBN12XR	\$39.73	\$42.04

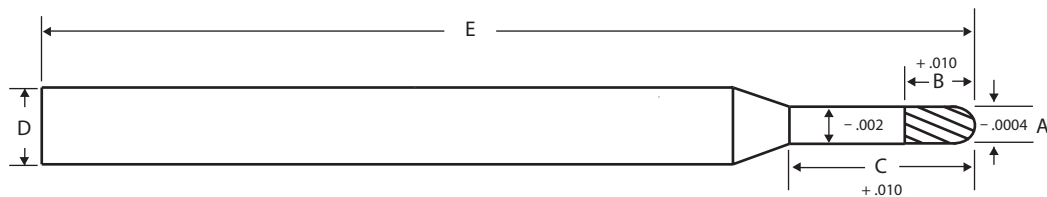


Ball Micro End Mills

S79
**FLUTES
2,3,4**
**3X
LENGTH
OF CUT**
**12X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.010	0.030	0.120	0.125	2.50	S79-010-2-BN12XR	N/A	N/A	\$58.67	\$60.98
0.015 (1/64)	0.045	0.180	0.125	2.50	S79-015-2-BN12XR	S79-015-3-BN12XR	S79-015-4-BN12XR	\$49.79	\$52.10
0.020	0.060	0.240	0.125	2.50	S79-020-2-BN12XR	S79-020-3-BN12XR	S79-020-4-BN12XR	\$49.20	\$51.51
0.025	0.075	0.300	0.125	2.50	S79-025-2-BN12XR	S79-025-3-BN12XR	S79-025-4-BN12XR	\$42.39	\$44.70
0.030	0.090	0.360	0.125	2.50	S79-030-2-BN12XR	S79-030-3-BN12XR	S79-030-4-BN12XR	\$41.06	\$43.37
0.031 (1/32)	0.093	0.372	0.125	2.50	S79-031-2-BN12XR	S79-031-3-BN12XR	S79-031-4-BN12XR	\$41.06	\$43.37
0.035	0.105	0.420	0.125	2.50	S79-035-2-BN12XR	S79-035-3-BN12XR	S79-035-4-BN12XR	\$41.06	\$43.37
0.039 (1mm)	0.117	0.468	0.125	2.50	S79-039-2-BN12XR	S79-039-3-BN12XR	S79-039-4-BN12XR	\$41.06	\$43.37
0.040	0.120	0.480	0.125	2.50	S79-040-2-BN12XR	S79-040-3-BN12XR	S79-040-4-BN12XR	\$41.06	\$43.37
0.045	0.135	0.540	0.125	2.50	S79-045-2-BN12XR	S79-045-3-BN12XR	S79-045-4-BN12XR	\$41.06	\$43.37
0.047 (3/64)	0.141	0.564	0.125	2.50	S79-047-2-BN12XR	S79-047-3-BN12XR	S79-047-4-BN12XR	\$41.06	\$43.37
0.050	0.150	0.600	0.125	2.50	S79-050-2-BN12XR	S79-050-3-BN12XR	S79-050-4-BN12XR	\$41.06	\$43.37
0.055	0.165	0.660	0.125	2.50	S79-055-2-BN12XR	S79-055-3-BN12XR	S79-055-4-BN12XR	\$39.73	\$42.04
0.060	0.180	0.720	0.125	2.50	S79-060-2-BN12XR	S79-060-3-BN12XR	S79-060-4-BN12XR	\$39.73	\$42.04
0.062 (1/16)	0.186	0.744	0.125	2.50	S79-062-2-BN12XR	S79-062-3-BN12XR	S79-062-4-BN12XR	\$39.73	\$42.04
0.065	0.195	0.780	0.125	2.50	S79-065-2-BN12XR	S79-065-3-BN12XR	S79-065-4-BN12XR	\$39.73	\$42.04
0.070	0.210	0.840	0.125	2.50	S79-070-2-BN12XR	S79-070-3-BN12XR	S79-070-4-BN12XR	\$39.73	\$42.04
0.075	0.225	0.900	0.125	2.50	S79-075-2-BN12XR	S79-075-3-BN12XR	S79-075-4-BN12XR	\$39.73	\$42.04
0.078 (5/64)	0.234	0.936	0.125	2.50	S79-078-2-BN12XR	S79-078-3-BN12XR	S79-078-4-BN12XR	\$39.73	\$42.04
0.080	0.240	0.960	0.125	2.50	S79-080-2-BN12XR	S79-080-3-BN12XR	S79-080-4-BN12XR	\$39.73	\$42.04
0.085	0.255	1.020	0.125	2.50	S79-085-2-BN12XR	S79-085-3-BN12XR	S79-085-4-BN12XR	\$39.73	\$42.04
0.090	0.270	1.080	0.125	2.50	S79-090-2-BN12XR	S79-090-3-BN12XR	S79-090-4-BN12XR	\$39.73	\$42.04
0.093 (3/32)	0.279	1.116	0.125	2.50	S79-093-2-BN12XR	S79-093-3-BN12XR	S79-093-4-BN12XR	\$39.73	\$42.04
0.095	0.285	1.140	0.125	2.50	S79-095-2-BN12XR	S79-095-3-BN12XR	S79-095-4-BN12XR	\$39.73	\$42.04
0.100	0.300	1.200	0.125	2.50	S79-100-2-BN12XR	S79-100-3-BN12XR	S79-100-4-BN12XR	\$39.73	\$42.04
0.118 (3mm)	0.354	1.416	0.125	2.50	S79-118-2-BN12XR	S79-118-3-BN12XR	S79-118-4-BN12XR	\$39.73	\$42.04
0.125 (1/8)	0.375	1.500	0.125	2.50	S79-125-2-BN12XR	S79-125-3-BN12XR	S79-125-4-BN12XR	\$39.73	\$42.04



Need your coated tool quickly? All standard tools are available AlTiN coated in 3 days or less. See page 117 for more details.



S10

Square Micro End Mills

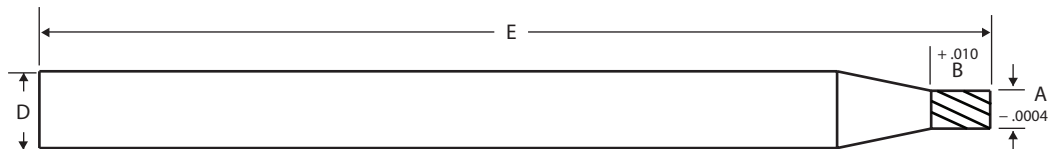
FLUTES
5

1.5X
LENGTH
OF CUT

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.031 (1/32)	0.0465	0.125	1.50	S10-031-5-SST	\$27.18	\$29.49
0.035	0.0525	0.125	1.50	S10-035-5-SST	\$24.33	\$26.64
0.039 (1mm)	0.059	0.125	1.50	S10-039-5-SST	\$24.33	\$26.64
0.040	0.060	0.125	1.50	S10-040-5-SST	\$24.33	\$26.64
0.045	0.0675	0.125	1.50	S10-045-5-SST	\$24.33	\$26.64
0.047 (3/64)	0.0705	0.125	1.50	S10-047-5-SST	\$24.33	\$26.64
0.050	0.075	0.125	1.50	S10-050-5-SST	\$24.33	\$26.64
0.055	0.0825	0.125	1.50	S10-055-5-SST	\$24.33	\$26.64
0.060	0.090	0.125	1.50	S10-060-5-SST	\$22.20	\$24.51
0.062 (1/16)	0.093	0.125	1.50	S10-062-5-SST	\$22.20	\$24.51
0.065	0.0975	0.125	1.50	S10-065-5-SST	\$22.20	\$24.51
0.070	0.105	0.125	1.50	S10-070-5-SST	\$22.20	\$24.51
0.075	0.1125	0.125	1.50	S10-075-5-SST	\$22.20	\$24.51
0.078 (5/64)	0.117	0.125	1.50	S10-078-5-SST	\$22.20	\$24.51
0.080	0.120	0.125	1.50	S10-080-5-SST	\$22.20	\$24.51
0.085	0.1275	0.125	1.50	S10-085-5-SST	\$22.20	\$24.51
0.090	0.135	0.125	1.50	S10-090-5-SST	\$22.20	\$24.51
0.093 (3/32)	0.1395	0.125	1.50	S10-093-5-SST	\$22.20	\$24.51
0.095	0.1425	0.125	1.50	S10-095-5-SST	\$22.20	\$24.51
0.100	0.150	0.125	1.50	S10-100-5-SST	\$22.20	\$24.51
0.118 (3mm)	0.177	0.125	1.50	S10-118-5-SST	\$22.20	\$24.51
0.125 (1/8)	0.1875	0.125	1.50	S10-125-5-SST	\$22.20	\$24.51

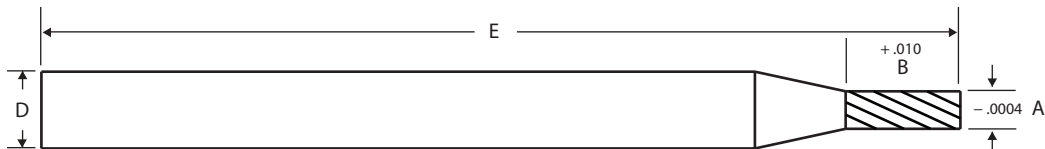


Square Micro End Mills

S08
**FLUTES
5**
**3X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AITIN Coated Price
A	B	D	E			
0.031 (1/32)	0.093	0.125	1.50	S08-031-5-SEM	\$27.18	\$29.49
0.035	0.105	0.125	1.50	S08-035-5-SEM	\$24.33	\$26.64
0.039 (1mm)	0.117	0.125	1.50	S08-039-5-SEM	\$24.33	\$26.64
0.040	0.120	0.125	1.50	S08-040-5-SEM	\$24.33	\$26.64
0.045	0.135	0.125	1.50	S08-045-5-SEM	\$24.33	\$26.64
0.047 (3/64)	0.141	0.125	1.50	S08-047-5-SEM	\$24.33	\$26.64
0.050	0.150	0.125	1.50	S08-050-5-SEM	\$24.33	\$26.64
0.055	0.165	0.125	1.50	S08-055-5-SEM	\$24.33	\$26.64
0.060	0.180	0.125	1.50	S08-060-5-SEM	\$22.20	\$24.51
0.062 (1/16)	0.187	0.125	1.50	S08-062-5-SEM	\$22.20	\$24.51
0.065	0.195	0.125	1.50	S08-065-5-SEM	\$22.20	\$24.51
0.070	0.210	0.125	1.50	S08-070-5-SEM	\$22.20	\$24.51
0.075	0.225	0.125	1.50	S08-075-5-SEM	\$22.20	\$24.51
0.078 (5/64)	0.234	0.125	1.50	S08-078-5-SEM	\$22.20	\$24.51
0.080	0.240	0.125	1.50	S08-080-5-SEM	\$22.20	\$24.51
0.085	0.255	0.125	1.50	S08-085-5-SEM	\$22.20	\$24.51
0.090	0.270	0.125	1.50	S08-090-5-SEM	\$22.20	\$24.51
0.093 (3/32)	0.279	0.125	1.50	S08-093-5-SEM	\$22.20	\$24.51
0.095	0.285	0.125	1.50	S08-095-5-SEM	\$22.20	\$24.51
0.100	0.300	0.125	1.50	S08-100-5-SEM	\$22.20	\$24.51
0.118 (3mm)	0.354	0.125	1.50	S08-118-5-SEM	\$22.20	\$24.51
0.125 (1/8)	0.375	0.125	1.50	S08-125-5-SEM	\$22.20	\$24.51



Tips on Selecting the Right Tool for the Job

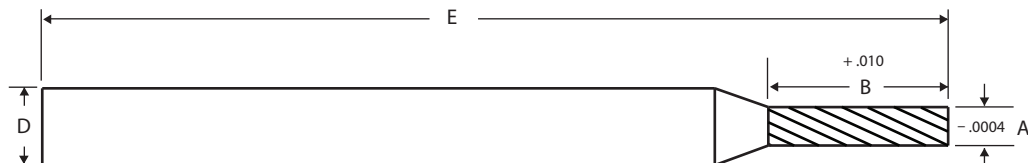
Number of Flutes	Primary Uses	Ideal Cutting Materials
2-3	Tools with fewer flutes allow optimal space for chip removal when milling or slotting softer materials. Also used for roughing.	Soft materials, such as aluminum and plastics
3-4	Adding flutes provides greater strength. Recommended for use with roughing, milling, and slotting a variety of materials. Can also be used for finishing softer materials.	Hard materials, such as stainless steel, steel, and titanium.
5 +	Ideal for use in finishing work, when using faster feed rates, and with reduced chip load.	Harder materials, such as steel, or for finishing a variety of materials.



**FLUTES
5**
**5X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.031 (1/32)	0.155	0.125	2.50	S62-031-5-SQ5X	\$31.19	\$33.50
0.035	0.175	0.125	2.50	S62-035-5-SQ5X	\$31.19	\$33.50
0.039 (1mm)	0.195	0.125	2.50	S62-039-5-SQ5X	\$31.19	\$33.50
0.040	0.200	0.125	2.50	S62-040-5-SQ5X	\$31.19	\$33.50
0.045	0.225	0.125	2.50	S62-045-5-SQ5X	\$30.61	\$32.92
0.047 (3/64)	0.235	0.125	2.50	S62-047-5-SQ5X	\$30.61	\$32.92
0.050	0.250	0.125	2.50	S62-050-5-SQ5X	\$30.61	\$32.92
0.055	0.275	0.125	2.50	S62-055-5-SQ5X	\$28.77	\$31.08
0.060	0.300	0.125	2.50	S62-060-5-SQ5X	\$28.77	\$31.08
0.062 (1/16)	0.310	0.125	2.50	S62-062-5-SQ5X	\$28.77	\$31.08
0.065	0.325	0.125	2.50	S62-065-5-SQ5X	\$28.77	\$31.08
0.070	0.350	0.125	2.50	S62-070-5-SQ5X	\$28.77	\$31.08
0.075	0.375	0.125	2.50	S62-075-5-SQ5X	\$28.77	\$31.08
0.078 (5/64)	0.390	0.125	2.50	S62-078-5-SQ5X	\$28.77	\$31.08
0.080	0.400	0.125	2.50	S62-080-5-SQ5X	\$28.77	\$31.08
0.085	0.425	0.125	2.50	S62-085-5-SQ5X	\$28.77	\$31.08
0.090	0.450	0.125	2.50	S62-090-5-SQ5X	\$28.77	\$31.08
0.093 (3/32)	0.465	0.125	2.50	S62-093-5-SQ5X	\$28.77	\$31.08
0.095	0.475	0.125	2.50	S62-095-5-SQ5X	\$28.77	\$31.08
0.100	0.500	0.125	2.50	S62-100-5-SQ5X	\$28.53	\$30.84
0.118 (3mm)	0.590	0.125	2.50	S62-118-5-SQ5X	\$28.53	\$30.84
0.125 (1/8)	0.625	0.125	2.50	S62-125-5-SQ5X	\$28.53	\$30.84


MANUFACTURED BY MITGI: Stocking Program Advantages

Price or time: which is more important? They both are; you don't need to prioritize one over the other. MITGI stocking options can help complete the job on time and in budget.

When the tool is right but price is an objection, consider ordering a higher quantity to take advantage of price breaks. MITGI offers stocking programs that can be delivered in regular intervals or on-demand. After the initial order, tools are stocked and available to ship the day the PO is received.

Once a tool is put into your production environment, there are more options to consider. Using your forecast and production data, minimum and maximum inventory numbers can be set; this allows MITGI to gain production efficiencies by producing your tool in larger quantities. The benefits are twofold: lower pricing for higher quantities, and tools that are in-stock and available for same day shipping.

Square Micro End Mills

S63

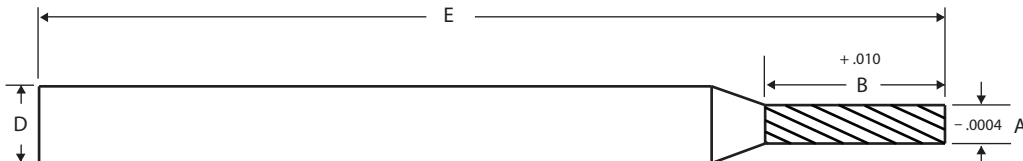
**FLUTES
5**

**8X
LENGTH
OF CUT**

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AITIN Coated Price
A	B	D	E			
0.031 (1/32)	0.248	0.125	2.50	S63-031-5-SQ8X	\$59.65	\$61.96
0.035	0.280	0.125	2.50	S63-035-5-SQ8X	\$59.65	\$61.96
0.039 (1mm)	0.312	0.125	2.50	S63-039-5-SQ8X	\$59.65	\$61.96
0.040	0.320	0.125	2.50	S63-040-5-SQ8X	\$59.65	\$61.96
0.045	0.360	0.125	2.50	S63-045-5-SQ8X	\$59.65	\$61.96
0.047 (3/64)	0.376	0.125	2.50	S63-047-5-SQ8X	\$59.65	\$61.96
0.050	0.400	0.125	2.50	S63-050-5-SQ8X	\$45.40	\$47.71
0.055	0.440	0.125	2.50	S63-055-5-SQ8X	\$45.40	\$47.71
0.060	0.480	0.125	2.50	S63-060-5-SQ8X	\$45.40	\$47.71
0.062 (1/16)	0.496	0.125	2.50	S63-062-5-SQ8X	\$45.40	\$47.71
0.065	0.520	0.125	2.50	S63-065-5-SQ8X	\$41.35	\$43.66
0.070	0.560	0.125	2.50	S63-070-5-SQ8X	\$41.35	\$43.66
0.075	0.600	0.125	2.50	S63-075-5-SQ8X	\$37.42	\$39.73
0.078 (5/64)	0.624	0.125	2.50	S63-078-5-SQ8X	\$37.42	\$39.73
0.080	0.640	0.125	2.50	S63-080-5-SQ8X	\$37.42	\$39.73
0.085	0.680	0.125	2.50	S63-085-5-SQ8X	\$34.94	\$37.25
0.090	0.720	0.125	2.50	S63-090-5-SQ8X	\$34.94	\$37.25
0.093 (3/32)	0.744	0.125	2.50	S63-093-5-SQ8X	\$34.94	\$37.25
0.095	0.760	0.125	2.50	S63-095-5-SQ8X	\$34.94	\$37.25
0.100	0.800	0.125	2.50	S63-100-5-SQ8X	\$34.94	\$37.25
0.118 (3mm)	0.944	0.125	2.50	S63-118-5-SQ8X	\$34.65	\$36.96
0.125 (1/8)	1.000	0.125	2.50	S63-125-5-SQ8X	\$34.65	\$36.96



MITGI RESULTS: Tool Life Is Doubled

"My customer loves the end mills we had them test - they were able to increase the tool life from 85 to 165 pieces, and the finish was a lot better with minimal burrs. They are setting up on four machines tomorrow, and they would like more tools."

Once I have the forecast, we would like to setup a blanket order to make sure we have enough to keep them stocked."

- Brennan



S64

Square Micro End Mills

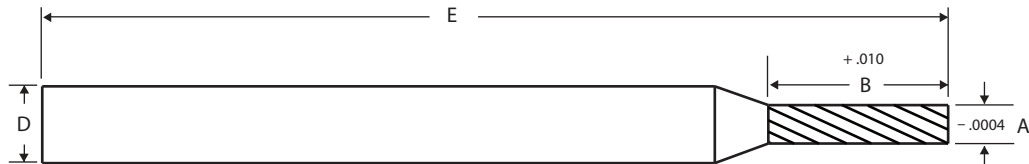
**FLUTES
5**

**12X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.031 (1/32)	0.372	0.125	2.50	S64-031-5-SQ12X	\$68.38	\$70.69
0.035	0.420	0.125	2.50	S64-035-5-SQ12X	\$68.38	\$70.69
0.039 (1mm)	0.468	0.125	2.50	S64-039-5-SQ12X	\$68.38	\$70.69
0.040	0.480	0.125	2.50	S64-040-5-SQ12X	\$68.38	\$70.69
0.045	0.540	0.125	2.50	S64-045-5-SQ12X	\$68.38	\$70.69
0.047 (3/64)	0.564	0.125	2.50	S64-047-5-SQ12X	\$68.15	\$70.46
0.050	0.600	0.125	2.50	S64-050-5-SQ12X	\$68.15	\$70.46
0.055	0.660	0.125	2.50	S64-055-5-SQ12X	\$63.65	\$65.96
0.060	0.720	0.125	2.50	S64-060-5-SQ12X	\$63.65	\$65.96
0.062 (1/16)	0.744	0.125	2.50	S64-062-5-SQ12X	\$57.29	\$59.60
0.065	0.780	0.125	2.50	S64-065-5-SQ12X	\$57.29	\$59.60
0.070	0.840	0.125	2.50	S64-070-5-SQ12X	\$57.29	\$59.60
0.075	0.900	0.125	2.50	S64-075-5-SQ12X	\$57.29	\$59.60
0.078 (5/64)	0.936	0.125	2.50	S64-078-5-SQ12X	\$56.65	\$58.96
0.080	0.960	0.125	2.50	S64-080-5-SQ12X	\$56.65	\$58.96
0.085	1.020	0.125	2.50	S64-085-5-SQ12X	\$56.65	\$58.96
0.090	1.080	0.125	2.50	S64-090-5-SQ12X	\$56.65	\$58.96
0.093 (3/32)	1.116	0.125	2.50	S64-093-5-SQ12X	\$55.90	\$58.21
0.095	1.140	0.125	2.50	S64-095-5-SQ12X	\$55.90	\$58.21
0.100	1.200	0.125	2.50	S64-100-5-SQ12X	\$55.90	\$58.21
0.118 (3mm)	1.416	0.125	2.50	S64-118-5-SQ12X	\$55.90	\$58.21
0.125 (1/8)	1.500	0.125	2.50	S64-125-5-SQ12X	\$55.90	\$58.21



MANUFACTURED BY MITGI: Tool Selection



Unsure how many flutes to select to deliver optimum results?

The ideal number of flutes for each tool is based on the application, operation, and the material being cut.

See page 71: Selecting the right tool for the job



MANUFACTURED BY MITGI: QUALITY

At MITGI, quality isn't just the end goal, it's embedded throughout the entire manufacturing process. From securing tool print accuracy, mid-job inspections, and pre-shipping approvals, we ensure that each tool meets our quality standards before it leaves our door. It is our goal that every customer receives tools that meet specs and exceed expectations with every order.

In order for this to happen, the design needs to be right the first time you use it and well-executed every time it is ordered.

The MITGI quality process begins using tool prints provided by customers or those designed in-house. Each tool print is reviewed for accuracy, tool performance optimization, and to establish the tightest tolerances that can be held in manufacturing. Every tool manufactured is inspected by the machine operator as it moves through production, reviewed by a quality technician, and checked by the department supervisor. This multi-step inspection process ensures that every tool produced will match customer expectations.



QUALITY & REPEATABILITY

REPEATABILITY

After the initial order, specifications are kept in our tool record system to ensure that we're ready to manufacture the same tool each time it is reordered. Detailed program notes, in-house tool prints, routers, and inspection sheets give us the ability to track each job completely and to the source. Closely tracking each customer order means we're ready to manufacture the tool to the exact same specifications when you're ready to reorder.

Ready to get started?

Contact us:
Phone: (320) 455-0535
Email: info@mitgi.us
Web: www.mitgi.us



S71

Square Micro End Mills

FLUTES
5

1.5X
LENGTH
OF CUT

5X
REACH

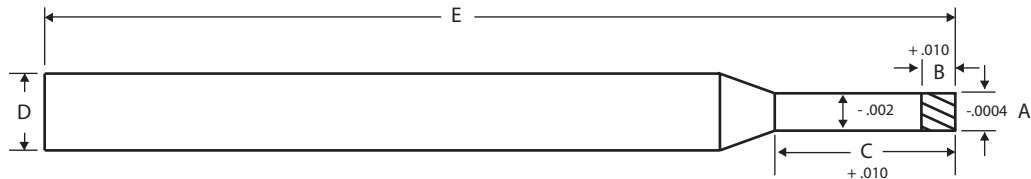
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	0.155	0.125	2.50	S71-031-5-SSQ5XR	\$38.47	\$40.78
0.035	0.053	0.175	0.125	2.50	S71-035-5-SSQ5XR	\$37.08	\$39.39
0.039 (1mm)	0.059	0.195	0.125	2.50	S71-039-5-SSQ5XR	\$37.08	\$39.39
0.040	0.060	0.200	0.125	2.50	S71-040-5-SSQ5XR	\$37.08	\$39.39
0.045	0.068	0.225	0.125	2.50	S71-045-5-SSQ5XR	\$37.08	\$39.39
0.047 (3/64)	0.071	0.235	0.125	2.50	S71-047-5-SSQ5XR	\$37.08	\$39.39
0.050	0.075	0.250	0.125	2.50	S71-050-5-SSQ5XR	\$37.08	\$39.39
0.055	0.083	0.275	0.125	2.50	S71-055-5-SSQ5XR	\$37.08	\$39.39
0.060	0.090	0.300	0.125	2.50	S71-060-5-SSQ5XR	\$37.08	\$39.39
0.062 (1/16)	0.093	0.310	0.125	2.50	S71-062-5-SSQ5XR	\$37.08	\$39.39
0.065	0.098	0.325	0.125	2.50	S71-065-5-SSQ5XR	\$37.08	\$39.39
0.070	0.105	0.350	0.125	2.50	S71-070-5-SSQ5XR	\$35.70	\$38.01
0.075	0.113	0.375	0.125	2.50	S71-075-5-SSQ5XR	\$35.70	\$38.01
0.078 (5/64)	0.117	0.390	0.125	2.50	S71-078-5-SSQ5XR	\$35.70	\$38.01
0.080	0.120	0.400	0.125	2.50	S71-080-5-SSQ5XR	\$35.70	\$38.01
0.085	0.128	0.425	0.125	2.50	S71-085-5-SSQ5XR	\$35.70	\$38.01
0.090	0.135	0.450	0.125	2.50	S71-090-5-SSQ5XR	\$35.70	\$38.01
0.093 (3/32)	0.140	0.465	0.125	2.50	S71-093-5-SSQ5XR	\$35.70	\$38.01
0.095	0.143	0.475	0.125	2.50	S71-095-5-SSQ5XR	\$35.70	\$38.01
0.100	0.150	0.500	0.125	2.50	S71-100-5-SSQ5XR	\$35.70	\$38.01
0.118 (3mm)	0.177	0.590	0.125	2.50	S71-118-5-SSQ5XR	\$35.70	\$38.01
0.125 (1/8)	0.188	0.625	0.125	2.50	S71-125-5-SSQ5XR	\$35.70	\$38.01



MANUFACTURED BY MITGI: Renewing Services

Have your carbide tools become less effective over time? Extend tooling investment by utilizing MITGI renewing services.

In production, tools can become dull through normal wear and tear. In some cases, tools may become chipped through production or mishandling. In many cases, tools can be resharpener to bring new life to old tools. Many carbide tools made by MITGI or manufactured by other vendors may qualify for resharpener.

A complete list of qualifying tool types can be found on page 47. Contact MITGI for more renewing service information and pricing estimates.

Square Micro End Mills

S68

FLUTES
5

3X
LENGTH
OF CUT

5X
REACH

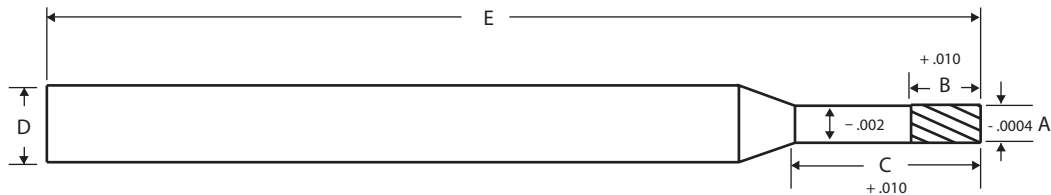
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.093	0.155	0.125	2.50	S68-031-5-SQ5XR	\$38.47	\$40.78
0.035	0.105	0.175	0.125	2.50	S68-035-5-SQ5XR	\$37.08	\$39.39
0.039 (1mm)	0.117	0.195	0.125	2.50	S68-039-5-SQ5XR	\$37.08	\$39.39
0.040	0.120	0.200	0.125	2.50	S68-040-5-SQ5XR	\$37.08	\$39.39
0.045	0.135	0.225	0.125	2.50	S68-045-5-SQ5XR	\$37.08	\$39.39
0.047 (3/64)	0.141	0.235	0.125	2.50	S68-047-5-SQ5XR	\$37.08	\$39.39
0.050	0.150	0.250	0.125	2.50	S68-050-5-SQ5XR	\$37.08	\$39.39
0.055	0.165	0.275	0.125	2.50	S68-055-5-SQ5XR	\$37.08	\$39.39
0.060	0.180	0.300	0.125	2.50	S68-060-5-SQ5XR	\$37.08	\$39.39
0.062 (1/16)	0.186	0.310	0.125	2.50	S68-062-5-SQ5XR	\$37.08	\$39.39
0.065	0.195	0.325	0.125	2.50	S68-065-5-SQ5XR	\$37.08	\$39.39
0.070	0.210	0.350	0.125	2.50	S68-070-5-SQ5XR	\$35.70	\$38.01
0.075	0.225	0.375	0.125	2.50	S68-075-5-SQ5XR	\$35.70	\$38.01
0.078 (5/64)	0.234	0.390	0.125	2.50	S68-078-5-SQ5XR	\$35.70	\$38.01
0.080	0.240	0.400	0.125	2.50	S68-080-5-SQ5XR	\$35.70	\$38.01
0.085	0.255	0.425	0.125	2.50	S68-085-5-SQ5XR	\$35.70	\$38.01
0.090	0.270	0.450	0.125	2.50	S68-090-5-SQ5XR	\$35.70	\$38.01
0.093 (3/32)	0.279	0.465	0.125	2.50	S68-093-5-SQ5XR	\$35.70	\$38.01
0.095	0.285	0.475	0.125	2.50	S68-095-5-SQ5XR	\$35.70	\$38.01
0.100	0.300	0.500	0.125	2.50	S68-100-5-SQ5XR	\$35.70	\$38.01
0.118 (3mm)	0.354	0.590	0.125	2.50	S68-118-5-SQ5XR	\$35.70	\$38.01
0.125 (1/8)	0.375	0.625	0.125	2.50	S68-125-5-SQ5XR	\$35.70	\$38.01



MITGI RESULTS: Service is a Team Sport

"Thank you for becoming one of our most trusted partners. Your team solved an issue that has been plaguing us for months. Your quick response brings value to our business.

Thanks for adding our part number to your system and label. This is huge for us as all of our tools are dispensed using our internal part number.

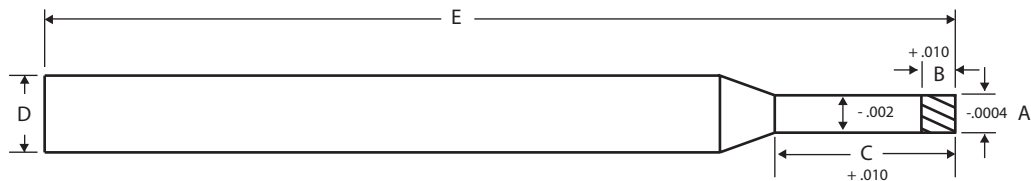
Your quality and consistency are spot on!" - Sam



**FLUTES
5**
**1.5X
LENGTH
OF CUT**
**8X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	0.248	0.125	2.50	S72-031-5-SSQ8XR	\$38.63	\$40.94
0.035	0.053	0.280	0.125	2.50	S72-035-5-SSQ8XR	\$37.08	\$39.39
0.039 (1mm)	0.059	0.312	0.125	2.50	S72-039-5-SSQ8XR	\$37.08	\$39.39
0.040	0.060	0.320	0.125	2.50	S72-040-5-SSQ8XR	\$37.08	\$39.39
0.045	0.068	0.360	0.125	2.50	S72-045-5-SSQ8XR	\$37.08	\$39.39
0.047 (3/64)	0.071	0.376	0.125	2.50	S72-047-5-SSQ8XR	\$37.08	\$39.39
0.050	0.075	0.400	0.125	2.50	S72-050-5-SSQ8XR	\$37.08	\$39.39
0.055	0.083	0.440	0.125	2.50	S72-055-5-SSQ8XR	\$37.08	\$39.39
0.060	0.090	0.480	0.125	2.50	S72-060-5-SSQ8XR	\$37.08	\$39.39
0.062 (1/16)	0.093	0.496	0.125	2.50	S72-062-5-SSQ8XR	\$37.08	\$39.39
0.065	0.098	0.520	0.125	2.50	S72-065-5-SSQ8XR	\$37.08	\$39.39
0.070	0.105	0.560	0.125	2.50	S72-070-5-SSQ8XR	\$35.70	\$38.01
0.075	0.113	0.600	0.125	2.50	S72-075-5-SSQ8XR	\$35.70	\$38.01
0.078 (5/64)	0.117	0.624	0.125	2.50	S72-078-5-SSQ8XR	\$35.70	\$38.01
0.080	0.120	0.640	0.125	2.50	S72-080-5-SSQ8XR	\$35.70	\$38.01
0.085	0.128	0.680	0.125	2.50	S72-085-5-SSQ8XR	\$35.70	\$38.01
0.090	0.135	0.720	0.125	2.50	S72-090-5-SSQ8XR	\$35.70	\$38.01
0.093 (3/32)	0.140	0.744	0.125	2.50	S72-093-5-SSQ8XR	\$35.70	\$38.01
0.095	0.143	0.760	0.125	2.50	S72-095-5-SSQ8XR	\$35.70	\$38.01
0.100	0.150	0.800	0.125	2.50	S72-100-5-SSQ8XR	\$35.70	\$38.01
0.118 (3mm)	0.177	0.944	0.125	2.50	S72-118-5-SSQ8XR	\$35.70	\$38.01
0.125 (1/8)	0.188	1.000	0.125	2.50	S72-125-5-SSQ8XR	\$35.70	\$38.01



MANUFACTURED BY MITGI: Innovation and Design

Complex manufacturing jobs require tooling that is up to the task. Our in-house design and manufacturing teams are up to the challenge.

When customers can't find exactly what they are looking for or when they are facing a particularly difficult job, we rely on our design and technical teams to find innovative solutions to meet their needs.

Our in-house design teams are able to review tools, identify enhancements that may provide superior production capabilities, or create a new tool to match customer specifications. Using a wide range of experiences in machining, cutting tools, and production, our teams collaborate to design and manufacture tools that can accomplish even the most complex manufacturing tasks.

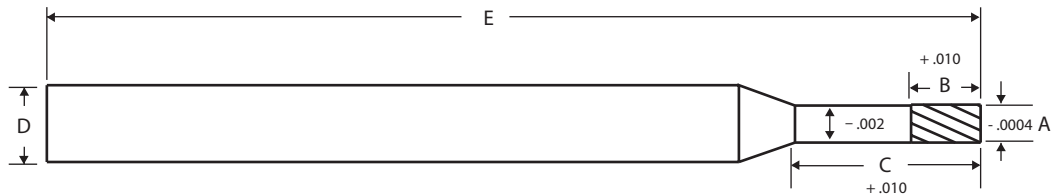
Contact us to start working with our design and technical teams today.

Square Micro End Mills

S69
**FLUTES
5**
**3X
LENGTH
OF CUT**
**8X
REACH**
+
SWISS-TYPE
OAL


QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.093	0.248	0.125	2.50	S69-031-5-SQ8XR	\$38.63	\$40.94
0.035	0.105	0.280	0.125	2.50	S69-035-5-SQ8XR	\$37.08	\$39.39
0.039 (1mm)	0.117	0.312	0.125	2.50	S69-039-5-SQ8XR	\$37.08	\$39.39
0.040	0.120	0.320	0.125	2.50	S69-040-5-SQ8XR	\$37.08	\$39.39
0.045	0.135	0.360	0.125	2.50	S69-045-5-SQ8XR	\$37.08	\$39.39
0.047 (3/64)	0.141	0.376	0.125	2.50	S69-047-5-SQ8XR	\$37.08	\$39.39
0.050	0.150	0.400	0.125	2.50	S69-050-5-SQ8XR	\$37.08	\$39.39
0.055	0.165	0.440	0.125	2.50	S69-055-5-SQ8XR	\$37.08	\$39.39
0.060	0.180	0.480	0.125	2.50	S69-060-5-SQ8XR	\$37.08	\$39.39
0.062 (1/16)	0.186	0.496	0.125	2.50	S69-062-5-SQ8XR	\$37.08	\$39.39
0.065	0.195	0.520	0.125	2.50	S69-065-5-SQ8XR	\$37.08	\$39.39
0.070	0.210	0.560	0.125	2.50	S69-070-5-SQ8XR	\$35.70	\$38.01
0.075	0.225	0.600	0.125	2.50	S69-075-5-SQ8XR	\$35.70	\$38.01
0.078 (5/64)	0.234	0.624	0.125	2.50	S69-078-5-SQ8XR	\$35.70	\$38.01
0.080	0.240	0.640	0.125	2.50	S69-080-5-SQ8XR	\$35.70	\$38.01
0.085	0.255	0.680	0.125	2.50	S69-085-5-SQ8XR	\$35.70	\$38.01
0.090	0.270	0.720	0.125	2.50	S69-090-5-SQ8XR	\$35.70	\$38.01
0.093 (3/32)	0.279	0.744	0.125	2.50	S69-093-5-SQ8XR	\$35.70	\$38.01
0.095	0.285	0.760	0.125	2.50	S69-095-5-SQ8XR	\$35.70	\$38.01
0.100	0.300	0.800	0.125	2.50	S69-100-5-SQ8XR	\$35.70	\$38.01
0.118 (3mm)	0.354	0.944	0.125	2.50	S69-118-5-SQ8XR	\$35.70	\$38.01
0.125 (1/8)	0.375	1.000	0.125	2.50	S69-125-5-SQ8XR	\$35.70	\$38.01



MITGI RESULTS: Great Expectations

"The tools we used without the honed edges worked perfectly. We've been very happy with all of the cutting tools we have received from you. They have all performed as expected

Your customer service and lead times have been great.

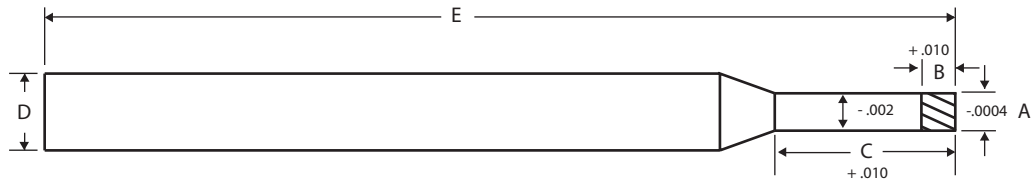
I look forward to future projects with you and your company."
- Guy



S73
Square Micro End Mills
**FLUTES
5**
**1.5X
LENGTH
OF CUT**
**12X
REACH**
+
SWISS-TYPE
OAL


**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	0.372	0.125	2.50	S73-031-5-SSQ12XR	\$39.96	\$42.27
0.035	0.053	0.420	0.125	2.50	S73-035-5-SSQ12XR	\$38.35	\$40.66
0.039 (1mm)	0.059	0.468	0.125	2.50	S73-039-5-SSQ12XR	\$38.35	\$40.66
0.040	0.060	0.480	0.125	2.50	S73-040-5-SSQ12XR	\$38.35	\$40.66
0.045	0.068	0.540	0.125	2.50	S73-045-5-SSQ12XR	\$38.12	\$40.43
0.047 (3/64)	0.071	0.564	0.125	2.50	S73-047-5-SSQ12XR	\$38.12	\$40.43
0.050	0.075	0.600	0.125	2.50	S73-050-5-SSQ12XR	\$38.12	\$40.43
0.055	0.083	0.660	0.125	2.50	S73-055-5-SSQ12XR	\$38.12	\$40.43
0.060	0.090	0.720	0.125	2.50	S73-060-5-SSQ12XR	\$38.12	\$40.43
0.062 (1/16)	0.093	0.744	0.125	2.50	S73-062-5-SSQ12XR	\$38.12	\$40.43
0.065	0.098	0.780	0.125	2.50	S73-065-5-SSQ12XR	\$38.12	\$40.43
0.070	0.105	0.840	0.125	2.50	S73-070-5-SSQ12XR	\$36.50	\$38.81
0.075	0.113	0.900	0.125	2.50	S73-075-5-SSQ12XR	\$36.50	\$38.81
0.078 (5/64)	0.117	0.936	0.125	2.50	S73-078-5-SSQ12XR	\$36.50	\$38.81
0.080	0.120	0.960	0.125	2.50	S73-080-5-SSQ12XR	\$36.50	\$38.81
0.085	0.128	1.020	0.125	2.50	S73-085-5-SSQ12XR	\$36.50	\$38.81
0.090	0.135	1.080	0.125	2.50	S73-090-5-SSQ12XR	\$36.50	\$38.81
0.093 (3/32)	0.140	1.116	0.125	2.50	S73-093-5-SSQ12XR	\$36.50	\$38.81
0.095	0.143	1.140	0.125	2.50	S73-095-5-SSQ12XR	\$36.50	\$38.81
0.100	0.150	1.200	0.125	2.50	S73-100-5-SSQ12XR	\$36.50	\$38.81
0.118 (3mm)	0.177	1.416	0.125	2.50	S73-118-5-SSQ12XR	\$36.50	\$38.81
0.125 (1/8)	0.187	1.500	0.125	2.50	S73-125-5-SSQ12XR	\$36.50	\$38.81


MANUFACTURED BY MITGI: Fast Turnaround Time

Finding the right tool for the job is important. Don't let an out-of-inventory situation keep you from completing the job on time.

Long lead times or out-of-stock situations can be disruptive to your manufacturing schedule. Through flexible scheduling and in-house capabilities, we are able to manufacture standard tools in three days or less, custom within two weeks. By utilizing on-site design and manufacturing, we're able to quickly deliver the tools you need.

Contact us to start working with our design and manufacturing teams today.

Square Micro End Mills

S70

FLUTES
5

3X
LENGTH
OF CUT

12X
REACH

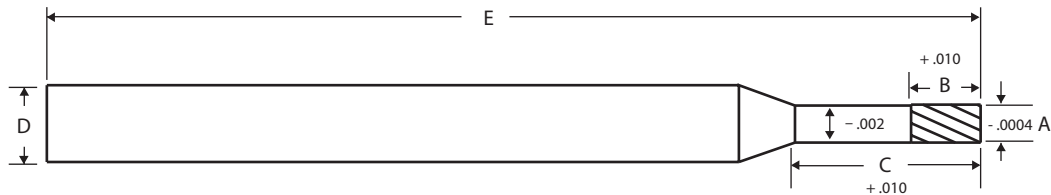
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.093	0.372	0.125	2.50	S70-031-5-SQ12XR	\$39.96	\$42.27
0.035	0.105	0.420	0.125	2.50	S70-035-5-SQ12XR	\$38.35	\$40.66
0.039 (1mm)	0.117	0.468	0.125	2.50	S70-039-5-SQ12XR	\$38.35	\$40.66
0.040	0.120	0.480	0.125	2.50	S70-040-5-SQ12XR	\$38.35	\$40.66
0.045	0.135	0.540	0.125	2.50	S70-045-5-SQ12XR	\$38.12	\$40.43
0.047 (3/64)	0.141	0.564	0.125	2.50	S70-047-5-SQ12XR	\$38.12	\$40.43
0.050	0.150	0.600	0.125	2.50	S70-050-5-SQ12XR	\$38.12	\$40.43
0.055	0.165	0.660	0.125	2.50	S70-055-5-SQ12XR	\$38.12	\$40.43
0.060	0.180	0.720	0.125	2.50	S70-060-5-SQ12XR	\$38.12	\$40.43
0.062 (1/16)	0.186	0.744	0.125	2.50	S70-062-5-SQ12XR	\$38.12	\$40.43
0.065	0.195	0.780	0.125	2.50	S70-065-5-SQ12XR	\$38.12	\$40.43
0.070	0.210	0.840	0.125	2.50	S70-070-5-SQ12XR	\$36.50	\$38.81
0.075	0.225	0.900	0.125	2.50	S70-075-5-SQ12XR	\$36.50	\$38.81
0.078 (5/64)	0.234	0.936	0.125	2.50	S70-078-5-SQ12XR	\$36.50	\$38.81
0.080	0.240	0.960	0.125	2.50	S70-080-5-SQ12XR	\$36.50	\$38.81
0.085	0.255	1.020	0.125	2.50	S70-085-5-SQ12XR	\$36.50	\$38.81
0.090	0.270	1.080	0.125	2.50	S70-090-5-SQ12XR	\$36.50	\$38.81
0.093 (3/32)	0.279	1.116	0.125	2.50	S70-093-5-SQ12XR	\$36.50	\$38.81
0.095	0.285	1.140	0.125	2.50	S70-095-5-SQ12XR	\$36.50	\$38.81
0.100	0.300	1.200	0.125	2.50	S70-100-5-SQ12XR	\$36.50	\$38.81
0.118 (3mm)	0.354	1.416	0.125	2.50	S70-118-5-SQ12XR	\$36.50	\$38.81
0.125 (1/8)	0.375	1.500	0.125	2.50	S70-125-5-SQ12XR	\$36.50	\$38.81



MITGI RESULTS: Delivery, Fast and On-Time

"We appreciate all of the work you're doing for us. When the owner asked for your tools, I wanted to get the quote in your hands quickly. I think he's impressed with the quality and delivery that MITGI provides!"

I'm impressed with your customer service team.
THANK YOU!"
- Teresa



S83

Corner Radius Micro End Mills

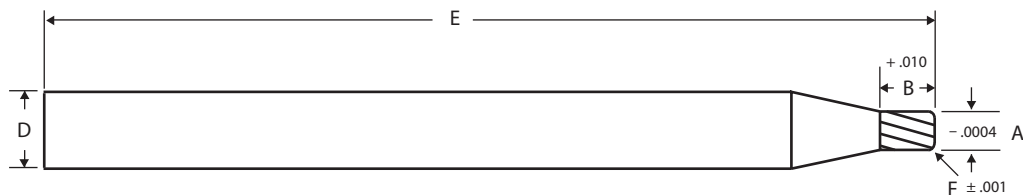
FLUTES
5

1.5X
LENGTH
OF CUT

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.031 (1/32)	0.047	0.125	1.50	0.005	S83-031-5-.005R	\$38.81	\$41.12
0.035	0.053	0.125	1.50	0.005	S83-035-5-.005R	\$28.93	\$31.24
0.039 (1mm)	0.059	0.125	1.50	0.005	S83-039-5-.005R	\$28.93	\$31.24
0.040	0.060	0.125	1.50	0.005	S83-040-5-.005R	\$28.93	\$31.24
0.045	0.068	0.125	1.50	0.005	S83-045-5-.005R	\$28.93	\$31.24
0.047 (3/64)	0.071	0.125	1.50	0.005	S83-047-5-.005R	\$28.93	\$31.24
0.050	0.075	0.125	1.50	0.005	S83-050-5-.005R	\$28.93	\$31.24
0.055	0.083	0.125	1.50	0.005	S83-055-5-.005R	\$27.49	\$29.80
0.060	0.090	0.125	1.50	0.005	S83-060-5-.005R	\$27.49	\$29.80
0.062 (1/16)	0.093	0.125	1.50	0.005	S83-062-5-.005R	\$27.49	\$29.80
0.065	0.098	0.125	1.50	0.005	S83-065-5-.005R	\$27.49	\$29.80
0.070	0.105	0.125	1.50	0.005	S83-070-5-.005R	\$27.49	\$29.80
0.070	0.105	0.125	1.50	0.010	S83-070-5-.010R	\$27.49	\$29.80
0.075	0.113	0.125	1.50	0.005	S83-075-5-.005R	\$27.49	\$29.80
0.075	0.113	0.125	1.50	0.010	S83-075-5-.010R	\$27.49	\$29.80
0.078 (5/64)	0.117	0.125	1.50	0.005	S83-078-5-.005R	\$27.49	\$29.80
0.078 (5/64)	0.117	0.125	1.50	0.010	S83-078-5-.010R	\$27.49	\$29.80
0.080	0.120	0.125	1.50	0.005	S83-080-5-.005R	\$27.49	\$29.80
0.080	0.120	0.125	1.50	0.010	S83-080-5-.010R	\$27.49	\$29.80
0.085	0.128	0.125	1.50	0.005	S83-085-5-.005R	\$27.49	\$29.80
0.085	0.128	0.125	1.50	0.010	S83-085-5-.010R	\$27.49	\$29.80
0.090	0.135	0.125	1.50	0.005	S83-090-5-.005R	\$27.49	\$29.80
0.090	0.135	0.125	1.50	0.010	S83-090-5-.010R	\$27.49	\$29.80
0.093 (3/32)	0.140	0.125	1.50	0.005	S83-093-5-.005R	\$27.49	\$29.80
0.093 (3/32)	0.140	0.125	1.50	0.010	S83-093-5-.010R	\$27.49	\$29.80
0.095	0.143	0.125	1.50	0.005	S83-095-5-.005R	\$27.49	\$29.80
0.095	0.143	0.125	1.50	0.010	S83-095-5-.010R	\$27.49	\$29.80
0.100	0.150	0.125	1.50	0.005	S83-100-5-.005R	\$27.20	\$29.51
0.100	0.150	0.125	1.50	0.010	S83-100-5-.010R	\$27.20	\$29.51
0.100	0.150	0.125	1.50	0.015	S83-100-5-.015R	\$27.20	\$29.51
0.118 (3mm)	0.177	0.125	1.50	0.005	S83-118-5-.005R	\$27.20	\$29.51
0.118 (3mm)	0.177	0.125	1.50	0.010	S83-118-5-.010R	\$27.20	\$29.51
0.118 (3mm)	0.177	0.125	1.50	0.015	S83-118-5-.015R	\$27.20	\$29.51
0.125 (1/8)	0.188	0.125	1.50	0.005	S83-125-5-.005R	\$27.20	\$29.51
0.125 (1/8)	0.188	0.125	1.50	0.010	S83-125-5-.010R	\$27.20	\$29.51
0.125 (1/8)	0.188	0.125	1.50	0.015	S83-125-5-.015R	\$27.20	\$29.51
0.125 (1/8)	0.188	0.125	1.50	0.020	S83-125-5-.020R	\$27.20	\$29.51



Corner Radius Micro End Mills

S58

FLUTES
5

3X
LENGTH
OF CUT

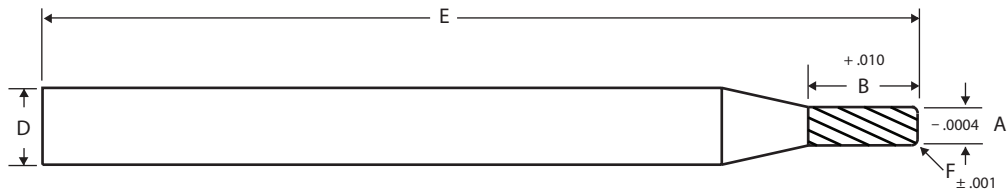
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.031 (1/32)	0.093	0.125	1.50	0.005	S58-031-5-.005R	\$38.81	\$41.12
0.035	0.105	0.125	1.50	0.005	S58-035-5-.005R	\$28.93	\$31.24
0.039 (1mm)	0.117	0.125	1.50	0.005	S58-039-5-.005R	\$28.93	\$31.24
0.040	0.120	0.125	1.50	0.005	S58-040-5-.005R	\$28.93	\$31.24
0.045	0.135	0.125	1.50	0.005	S58-045-5-.005R	\$28.93	\$31.24
0.047 (3/64)	0.141	0.125	1.50	0.005	S58-047-5-.005R	\$28.93	\$31.24
0.050	0.150	0.125	1.50	0.005	S58-050-5-.005R	\$28.93	\$31.24
0.055	0.165	0.125	1.50	0.005	S58-055-5-.005R	\$27.49	\$29.80
0.060	0.180	0.125	1.50	0.005	S58-060-5-.005R	\$27.49	\$29.80
0.062 (1/16)	0.187	0.125	1.50	0.005	S58-062-5-.005R	\$27.49	\$29.80
0.065	0.195	0.125	1.50	0.005	S58-065-5-.005R	\$27.49	\$29.80
0.070	0.210	0.125	1.50	0.005	S58-070-5-.005R	\$27.49	\$29.80
0.070	0.210	0.125	1.50	0.010	S58-070-5-.010R	\$27.49	\$29.80
0.075	0.225	0.125	1.50	0.005	S58-075-5-.005R	\$27.49	\$29.80
0.075	0.225	0.125	1.50	0.010	S58-075-5-.010R	\$27.49	\$29.80
0.078 (5/64)	0.234	0.125	1.50	0.005	S58-078-5-.005R	\$27.49	\$29.80
0.078 (5/64)	0.234	0.125	1.50	0.010	S58-078-5-.010R	\$27.49	\$29.80
0.080	0.240	0.125	1.50	0.005	S58-080-5-.005R	\$27.49	\$29.80
0.080	0.240	0.125	1.50	0.010	S58-080-5-.010R	\$27.49	\$29.80
0.085	0.255	0.125	1.50	0.005	S58-085-5-.005R	\$27.49	\$29.80
0.085	0.255	0.125	1.50	0.010	S58-085-5-.010R	\$27.49	\$29.80
0.090	0.270	0.125	1.50	0.005	S58-090-5-.005R	\$27.49	\$29.80
0.090	0.270	0.125	1.50	0.010	S58-090-5-.010R	\$27.49	\$29.80
0.093 (3/32)	0.279	0.125	1.50	0.005	S58-093-5-.005R	\$27.49	\$29.80
0.093 (3/32)	0.279	0.125	1.50	0.010	S58-093-5-.010R	\$27.49	\$29.80
0.095	0.285	0.125	1.50	0.005	S58-095-5-.005R	\$27.49	\$29.80
0.095	0.285	0.125	1.50	0.010	S58-095-5-.010R	\$27.49	\$29.80
0.100	0.300	0.125	1.50	0.005	S58-100-5-.005R	\$27.20	\$29.51
0.100	0.300	0.125	1.50	0.010	S58-100-5-.010R	\$27.20	\$29.51
0.100	0.300	0.125	1.50	0.015	S58-100-5-.015R	\$27.20	\$29.51
0.118 (3mm)	0.354	0.125	1.50	0.005	S58-118-5-.005R	\$27.20	\$29.51
0.118 (3mm)	0.354	0.125	1.50	0.010	S58-118-5-.010R	\$27.20	\$29.51
0.118 (3mm)	0.354	0.125	1.50	0.015	S58-118-5-.015R	\$27.20	\$29.51
0.125 (1/8)	0.375	0.125	1.50	0.005	S58-125-5-.005R	\$27.20	\$29.51
0.125 (1/8)	0.375	0.125	1.50	0.010	S58-125-5-.010R	\$27.20	\$29.51
0.125 (1/8)	0.375	0.125	1.50	0.015	S58-125-5-.015R	\$27.20	\$29.51



S107

Corner Radius Micro End Mills

FLUTES
5

5X
LENGTH
OF CUT

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.031 (1/32)	0.155	0.125	2.50	0.005	S107-031-5-.005R	\$30.38	\$32.69
0.031 (1/32)	0.155	0.125	2.50	0.010	S107-031-5-.010R	\$30.38	\$32.69
0.035	0.175	0.125	2.50	0.005	S107-035-5-.005R	\$30.38	\$32.69
0.035	0.175	0.125	2.50	0.010	S107-035-5-.010R	\$30.38	\$32.69
0.039 (1mm)	0.195	0.125	2.50	0.005	S107-039-5-.005R	\$30.38	\$32.69
0.039 (1mm)	0.195	0.125	2.50	0.010	S107-039-5-.010R	\$30.38	\$32.69
0.040	0.200	0.125	2.50	0.005	S107-040-5-.005R	\$30.38	\$32.69
0.040	0.200	0.125	2.50	0.010	S107-040-5-.010R	\$30.38	\$32.69
0.045	0.225	0.125	2.50	0.005	S107-045-5-.005R	\$30.38	\$32.69
0.045	0.225	0.125	2.50	0.010	S107-045-5-.010R	\$30.38	\$32.69
0.045	0.225	0.125	2.50	0.015	S107-045-5-.015R	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	0.005	S107-047-5-.005R	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	0.010	S107-047-5-.010R	\$30.38	\$32.69
0.047 (3/64)	0.235	0.125	2.50	0.015	S107-047-5-.015R	\$30.38	\$32.69
0.050	0.250	0.125	2.50	0.005	S107-050-5-.005R	\$30.38	\$32.69
0.050	0.250	0.125	2.50	0.010	S107-050-5-.010R	\$30.38	\$32.69
0.050	0.250	0.125	2.50	0.015	S107-050-5-.015R	\$30.38	\$32.69
0.055	0.275	0.125	2.50	0.005	S107-055-5-.005R	\$26.80	\$29.11
0.055	0.275	0.125	2.50	0.010	S107-055-5-.010R	\$26.80	\$29.11
0.055	0.275	0.125	2.50	0.015	S107-055-5-.015R	\$26.80	\$29.11
0.060	0.300	0.125	2.50	0.005	S107-060-5-.005R	\$26.80	\$29.11
0.060	0.300	0.125	2.50	0.010	S107-060-5-.010R	\$26.80	\$29.11
0.060	0.300	0.125	2.50	0.015	S107-060-5-.015R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.005	S107-062-5-.005R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.010	S107-062-5-.010R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.015	S107-062-5-.015R	\$26.80	\$29.11
0.062 (1/16)	0.310	0.125	2.50	0.020	S107-062-5-.020R	\$26.80	\$29.11
0.065	0.325	0.125	2.50	0.005	S107-065-5-.005R	\$26.80	\$29.11
0.065	0.325	0.125	2.50	0.010	S107-065-5-.010R	\$26.80	\$29.11
0.065	0.325	0.125	2.50	0.015	S107-065-5-.015R	\$26.80	\$29.11
0.070	0.350	0.125	2.50	0.005	S107-070-5-.005R	\$26.80	\$29.11
0.070	0.350	0.125	2.50	0.010	S107-070-5-.010R	\$26.80	\$29.11
0.070	0.350	0.125	2.50	0.015	S107-070-5-.015R	\$26.80	\$29.11
0.075	0.375	0.125	2.50	0.005	S107-075-5-.005R	\$26.80	\$29.11
0.075	0.375	0.125	2.50	0.010	S107-075-5-.010R	\$26.80	\$29.11
0.075	0.375	0.125	2.50	0.015	S107-075-5-.015R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.005	S107-078-5-.005R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.010	S107-078-5-.010R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.015	S107-078-5-.015R	\$26.80	\$29.11
0.078 (5/64)	0.390	0.125	2.50	0.020	S107-078-5-.020R	\$26.80	\$29.11
0.080	0.400	0.125	2.50	0.005	S107-080-5-.005R	\$26.80	\$29.11
0.080	0.400	0.125	2.50	0.010	S107-080-5-.010R	\$26.80	\$29.11
0.080	0.400	0.125	2.50	0.015	S107-080-5-.015R	\$26.80	\$29.11

Corner Radius Micro End Mills

S107

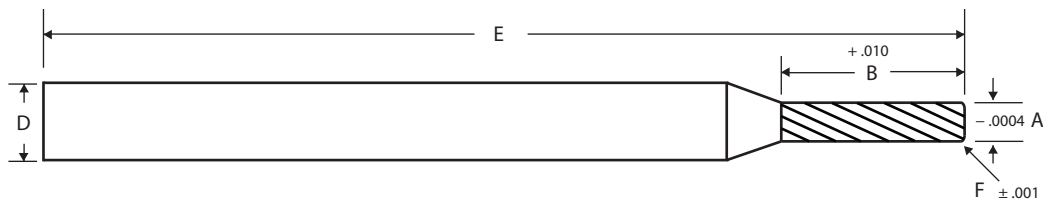
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.085	0.425	0.125	2.50	0.005	S107-085-5-.005R	\$24.72	\$27.03
0.085	0.425	0.125	2.50	0.010	S107-085-5-.010R	\$24.72	\$27.03
0.085	0.425	0.125	2.50	0.015	S107-085-5-.015R	\$24.72	\$27.03
0.090	0.450	0.125	2.50	0.005	S107-090-5-.005R	\$24.72	\$27.03
0.090	0.450	0.125	2.50	0.010	S107-090-5-.010R	\$24.72	\$27.03
0.090	0.450	0.125	2.50	0.015	S107-090-5-.015R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.005	S107-093-5-.005R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.010	S107-093-5-.010R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.015	S107-093-5-.015R	\$24.72	\$27.03
0.093 (3/32)	0.465	0.125	2.50	0.020	S107-093-5-.020R	\$24.72	\$27.03
0.095	0.475	0.125	2.50	0.005	S107-095-5-.005R	\$24.72	\$27.03
0.095	0.475	0.125	2.50	0.010	S107-095-5-.010R	\$24.72	\$27.03
0.095	0.475	0.125	2.50	0.015	S107-095-5-.015R	\$24.72	\$27.03
0.100	0.500	0.125	2.50	0.005	S107-100-5-.005R	\$24.72	\$27.03
0.100	0.500	0.125	2.50	0.010	S107-100-5-.010R	\$24.72	\$27.03
0.100	0.500	0.125	2.50	0.015	S107-100-5-.015R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.005	S107-118-5-.005R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.010	S107-118-5-.010R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.015	S107-118-5-.015R	\$24.72	\$27.03
0.118 (3mm)	0.590	0.125	2.50	0.020	S107-118-5-.020R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.005	S107-125-5-.005R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.010	S107-125-5-.010R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.015	S107-125-5-.015R	\$24.72	\$27.03
0.125 (1/8)	0.625	0.125	2.50	0.020	S107-125-5-.020R	\$24.72	\$27.03

FLUTES
5

5X
LENGTH
OF CUT

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS



MANUFACTURED BY MITGI: Custom Tools

Can't find a standard tool to meet your exact specifications?

Specials or modified standards may be the answer. Learn more about working with MITGI to create tools from tool prints, part prints, or to discuss combination tools.

See page 206-207: Custom tools



S108

Corner Radius Micro End Mills

FLUTES
5

8X
LENGTH
OF CUT

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

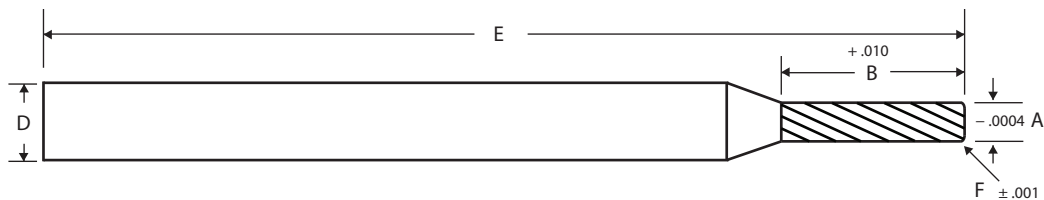
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.031 (1/32)	0.248	0.125	2.50	0.005	S108-031-5-.005R	\$59.03	\$61.34
0.031 (1/32)	0.248	0.125	2.50	0.010	S108-031-5-.010R	\$59.03	\$61.34
0.035	0.280	0.125	2.50	0.005	S108-035-5-.005R	\$59.03	\$61.34
0.035	0.280	0.125	2.50	0.010	S108-035-5-.010R	\$59.03	\$61.34
0.039 (1mm)	0.312	0.125	2.50	0.005	S108-039-5-.005R	\$57.52	\$59.83
0.039 (1mm)	0.312	0.125	2.50	0.010	S108-039-5-.010R	\$57.52	\$59.83
0.040	0.320	0.125	2.50	0.005	S108-040-5-.005R	\$57.52	\$59.83
0.040	0.320	0.125	2.50	0.010	S108-040-5-.010R	\$57.52	\$59.83
0.045	0.360	0.125	2.50	0.005	S108-045-5-.005R	\$54.75	\$57.06
0.045	0.360	0.125	2.50	0.010	S108-045-5-.010R	\$54.75	\$57.06
0.045	0.360	0.125	2.50	0.015	S108-045-5-.015R	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	0.005	S108-047-5-.005R	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	0.010	S108-047-5-.010R	\$54.75	\$57.06
0.047 (3/64)	0.376	0.125	2.50	0.015	S108-047-5-.015R	\$54.75	\$57.06
0.050	0.400	0.125	2.50	0.005	S108-050-5-.005R	\$54.75	\$57.06
0.050	0.400	0.125	2.50	0.010	S108-050-5-.010R	\$54.75	\$57.06
0.050	0.400	0.125	2.50	0.015	S108-050-5-.015R	\$54.75	\$57.06
0.055	0.440	0.125	2.50	0.005	S108-055-5-.005R	\$35.93	\$38.24
0.055	0.440	0.125	2.50	0.010	S108-055-5-.010R	\$35.93	\$38.24
0.055	0.440	0.125	2.50	0.015	S108-055-5-.015R	\$35.93	\$38.24
0.060	0.480	0.125	2.50	0.005	S108-060-5-.005R	\$35.93	\$38.24
0.060	0.480	0.125	2.50	0.010	S108-060-5-.010R	\$35.93	\$38.24
0.060	0.480	0.125	2.50	0.015	S108-060-5-.015R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.005	S108-062-5-.005R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.010	S108-062-5-.010R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.015	S108-062-5-.015R	\$35.93	\$38.24
0.062 (1/16)	0.496	0.125	2.50	0.020	S108-062-5-.020R	\$35.93	\$38.24
0.065	0.520	0.125	2.50	0.005	S108-065-5-.005R	\$29.16	\$31.47
0.065	0.520	0.125	2.50	0.010	S108-065-5-.010R	\$29.16	\$31.47
0.065	0.520	0.125	2.50	0.015	S108-065-5-.015R	\$29.16	\$31.47
0.070	0.560	0.125	2.50	0.005	S108-070-5-.005R	\$29.16	\$31.47
0.070	0.560	0.125	2.50	0.010	S108-070-5-.010R	\$29.16	\$31.47
0.070	0.560	0.125	2.50	0.015	S108-070-5-.015R	\$29.16	\$31.47
0.075	0.600	0.125	2.50	0.005	S108-075-5-.005R	\$29.16	\$31.47
0.075	0.600	0.125	2.50	0.010	S108-075-5-.010R	\$29.16	\$31.47
0.075	0.600	0.125	2.50	0.015	S108-075-5-.015R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.005	S108-078-5-.005R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.010	S108-078-5-.010R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.015	S108-078-5-.015R	\$29.16	\$31.47
0.078 (5/64)	0.624	0.125	2.50	0.020	S108-078-5-.020R	\$29.16	\$31.47
0.080	0.640	0.125	2.50	0.005	S108-080-5-.005R	\$29.16	\$31.47
0.080	0.640	0.125	2.50	0.010	S108-080-5-.010R	\$29.16	\$31.47
0.080	0.640	0.125	2.50	0.015	S108-080-5-.015R	\$29.16	\$31.47

Corner Radius Micro End Mills

S108

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.085	0.680	0.125	2.50	0.005	S108-085-5-.005R	\$29.16	\$31.47
0.085	0.680	0.125	2.50	0.010	S108-085-5-.010R	\$29.16	\$31.47
0.085	0.680	0.125	2.50	0.015	S108-085-5-.015R	\$29.16	\$31.47
0.090	0.720	0.125	2.50	0.005	S108-090-5-.005R	\$28.24	\$30.55
0.090	0.720	0.125	2.50	0.010	S108-090-5-.010R	\$28.24	\$30.55
0.090	0.720	0.125	2.50	0.015	S108-090-5-.015R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.005	S108-093-5-.005R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.010	S108-093-5-.010R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.015	S108-093-5-.015R	\$28.24	\$30.55
0.093 (3/32)	0.744	0.125	2.50	0.020	S108-093-5-.020R	\$28.24	\$30.55
0.095	0.760	0.125	2.50	0.005	S108-095-5-.005R	\$28.24	\$30.55
0.095	0.760	0.125	2.50	0.010	S108-095-5-.010R	\$28.24	\$30.55
0.095	0.760	0.125	2.50	0.015	S108-095-5-.015R	\$28.24	\$30.55
0.100	0.800	0.125	2.50	0.005	S108-100-5-.005R	\$28.24	\$30.55
0.100	0.800	0.125	2.50	0.010	S108-100-5-.010R	\$28.24	\$30.55
0.100	0.800	0.125	2.50	0.015	S108-100-5-.015R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.005	S108-118-5-.005R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.010	S108-118-5-.010R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.015	S108-118-5-.015R	\$28.24	\$30.55
0.118 (3mm)	0.944	0.125	2.50	0.020	S108-118-5-.020R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.005	S108-125-5-.005R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.010	S108-125-5-.010R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.015	S108-125-5-.015R	\$28.24	\$30.55
0.125 (1/8)	1.000	0.125	2.50	0.020	S108-125-5-.020R	\$28.24	\$30.55

**FLUTES
5**
**8X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS


Tips on Selecting the Right Tool for the Job

Number of Flutes	Primary Uses	Ideal Cutting Materials
2-3	Tools with fewer flutes allow optimal space for chip removal when milling or slotting softer materials. Also used for roughing.	Soft materials, such as aluminum and plastics.
3-4	Adding flutes provides greater strength. Recommended for use with roughing, milling, and slotting a variety of materials. Can also be used for finishing softer materials.	Hard materials, such as stainless steel, steel, and titanium.
5 +	Ideal for use in finishing work, when using faster feed rates, and with reduced chip load.	Harder materials, such as steel, or for finishing a variety of materials.



S109
Corner Radius Micro End Mills
**FLUTES
5**
**12X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.031 (1/32)	0.372	0.125	2.50	0.005	S109-031-5-.005R	\$66.88	\$69.19
0.031 (1/32)	0.372	0.125	2.50	0.010	S109-031-5-.010R	\$66.88	\$69.19
0.035	0.420	0.125	2.50	0.005	S109-035-5-.005R	\$66.88	\$69.19
0.035	0.420	0.125	2.50	0.010	S109-035-5-.010R	\$66.88	\$69.19
0.039 (1mm)	0.468	0.125	2.50	0.005	S109-039-5-.005R	\$66.88	\$69.19
0.039 (1mm)	0.468	0.125	2.50	0.010	S109-039-5-.010R	\$66.88	\$69.19
0.040	0.480	0.125	2.50	0.005	S109-040-5-.005R	\$66.88	\$69.19
0.040	0.480	0.125	2.50	0.010	S109-040-5-.010R	\$66.88	\$69.19
0.045	0.540	0.125	2.50	0.005	S109-045-5-.005R	\$66.88	\$69.19
0.045	0.540	0.125	2.50	0.010	S109-045-5-.010R	\$66.88	\$69.19
0.045	0.540	0.125	2.50	0.015	S109-045-5-.015R	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	0.005	S109-047-5-.005R	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	0.010	S109-047-5-.010R	\$66.88	\$69.19
0.047 (3/64)	0.564	0.125	2.50	0.015	S109-047-5-.015R	\$66.88	\$69.19
0.050	0.600	0.125	2.50	0.005	S109-050-5-.005R	\$59.37	\$61.68
0.050	0.600	0.125	2.50	0.010	S109-050-5-.010R	\$59.37	\$61.68
0.050	0.600	0.125	2.50	0.015	S109-050-5-.015R	\$59.37	\$61.68
0.055	0.660	0.125	2.50	0.005	S109-055-5-.005R	\$59.37	\$61.68
0.055	0.660	0.125	2.50	0.010	S109-055-5-.010R	\$59.37	\$61.68
0.055	0.660	0.125	2.50	0.015	S109-055-5-.015R	\$59.37	\$61.68
0.060	0.720	0.125	2.50	0.005	S109-060-5-.005R	\$53.25	\$55.56
0.060	0.720	0.125	2.50	0.010	S109-060-5-.010R	\$53.25	\$55.56
0.060	0.720	0.125	2.50	0.015	S109-060-5-.015R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.005	S109-062-5-.005R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.010	S109-062-5-.010R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.015	S109-062-5-.015R	\$53.25	\$55.56
0.062 (1/16)	0.744	0.125	2.50	0.020	S109-062-5-.020R	\$53.25	\$55.56
0.065	0.780	0.125	2.50	0.005	S109-065-5-.005R	\$53.25	\$55.56
0.065	0.780	0.125	2.50	0.010	S109-065-5-.010R	\$53.25	\$55.56
0.065	0.780	0.125	2.50	0.015	S109-065-5-.015R	\$53.25	\$55.56
0.070	0.840	0.125	2.50	0.005	S109-070-5-.005R	\$52.67	\$54.98
0.070	0.840	0.125	2.50	0.010	S109-070-5-.010R	\$52.67	\$54.98
0.070	0.840	0.125	2.50	0.015	S109-070-5-.015R	\$52.67	\$54.98
0.075	0.900	0.125	2.50	0.005	S109-075-5-.005R	\$52.67	\$54.98
0.075	0.900	0.125	2.50	0.010	S109-075-5-.010R	\$52.67	\$54.98
0.075	0.900	0.125	2.50	0.015	S109-075-5-.015R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.005	S109-078-5-.005R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.010	S109-078-5-.010R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.015	S109-078-5-.015R	\$52.67	\$54.98
0.078 (5/64)	0.936	0.125	2.50	0.020	S109-078-5-.020R	\$52.67	\$54.98
0.080	0.960	0.125	2.50	0.005	S109-080-5-.005R	\$52.67	\$54.98
0.080	0.960	0.125	2.50	0.010	S109-080-5-.010R	\$52.67	\$54.98
0.080	0.960	0.125	2.50	0.015	S109-080-5-.015R	\$52.67	\$54.98

Corner Radius Micro End Mills

S109

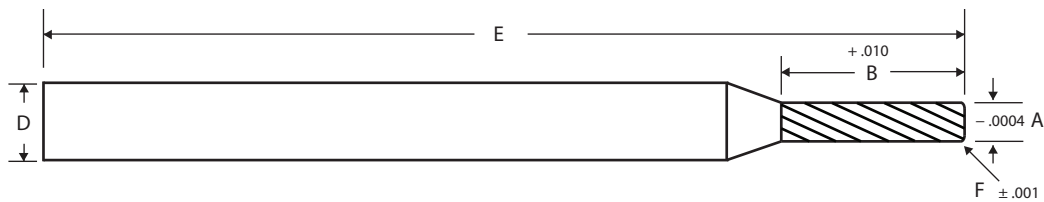
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.085	1.020	0.125	2.50	0.005	S109-085-5-.005R	\$52.67	\$54.98
0.085	1.020	0.125	2.50	0.010	S109-085-5-.010R	\$52.67	\$54.98
0.085	1.020	0.125	2.50	0.015	S109-085-5-.015R	\$52.67	\$54.98
0.090	1.080	0.125	2.50	0.005	S109-090-5-.005R	\$51.69	\$54.00
0.090	1.080	0.125	2.50	0.010	S109-090-5-.010R	\$51.69	\$54.00
0.090	1.080	0.125	2.50	0.015	S109-090-5-.015R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.005	S109-093-5-.005R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.010	S109-093-5-.010R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.015	S109-093-5-.015R	\$51.69	\$54.00
0.093 (3/32)	1.116	0.125	2.50	0.020	S109-093-5-.020R	\$51.69	\$54.00
0.095	1.140	0.125	2.50	0.005	S109-095-5-.005R	\$51.69	\$54.00
0.095	1.140	0.125	2.50	0.010	S109-095-5-.010R	\$51.69	\$54.00
0.095	1.140	0.125	2.50	0.015	S109-095-5-.015R	\$51.69	\$54.00
0.100	1.200	0.125	2.50	0.005	S109-100-5-.005R	\$51.69	\$54.00
0.100	1.200	0.125	2.50	0.010	S109-100-5-.010R	\$51.69	\$54.00
0.100	1.200	0.125	2.50	0.015	S109-100-5-.015R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.005	S109-118-5-.005R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.010	S109-118-5-.010R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.015	S109-118-5-.015R	\$51.69	\$54.00
0.118 (3mm)	1.416	0.125	2.50	0.020	S109-118-5-.020R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.005	S109-125-5-.005R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.010	S109-125-5-.010R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.015	S109-125-5-.015R	\$51.69	\$54.00
0.125 (1/8)	1.500	0.125	2.50	0.020	S109-125-5-.020R	\$51.69	\$54.00

**FLUTES
5**

**12X
LENGTH
OF CUT**

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS



MITGI INSIDE ACCOUNT REPRESENTATIVES

P. 2

MITGI Inside Account Representatives are the right resources for quote requests, to place orders, check inventory, or provide tracking. See page 2 for more info.



MADE IN THE USA

MANUFACTURED BY MITGI

PHONE: (320) 455-0535

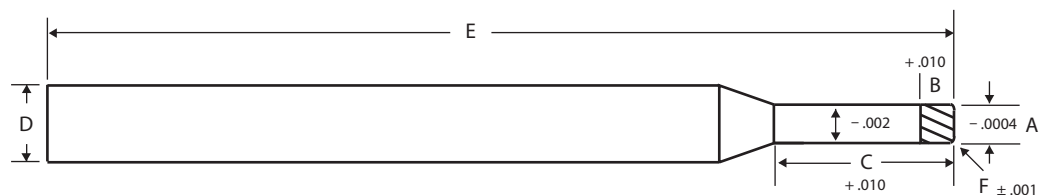
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73

**FLUTES
5**
**1.5X
LENGTH
OF CUT**
**5X
REACH**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.031 (1/32)	0.047	0.155	0.125	2.50	0.005	S87-031-5-.005R5XR	\$45.17	\$47.48
0.035	0.053	0.175	0.125	2.50	0.005	S87-035-5-.005R5XR	\$43.71	\$46.02
0.039 (1mm)	0.059	0.195	0.125	2.50	0.005	S87-039-5-.005R5XR	\$43.71	\$46.02
0.040	0.060	0.200	0.125	2.50	0.005	S87-040-5-.005R5XR	\$43.71	\$46.02
0.045	0.068	0.225	0.125	2.50	0.005	S87-045-5-.005R5XR	\$43.71	\$46.02
0.047 (3/64)	0.071	0.235	0.125	2.50	0.005	S87-047-5-.005R5XR	\$43.71	\$46.02
0.050	0.075	0.250	0.125	2.50	0.005	S87-050-5-.005R5XR	\$43.71	\$46.02
0.055	0.083	0.275	0.125	2.50	0.005	S87-055-5-.005R5XR	\$43.71	\$46.02
0.060	0.090	0.300	0.125	2.50	0.005	S87-060-5-.005R5XR	\$43.71	\$46.02
0.062 (1/16)	0.093	0.310	0.125	2.50	0.005	S87-062-5-.005R5XR	\$43.71	\$46.02
0.065	0.098	0.325	0.125	2.50	0.005	S87-065-5-.005R5XR	\$43.71	\$46.02
0.070	0.105	0.350	0.125	2.50	0.005	S87-070-5-.005R5XR	\$42.91	\$45.22
0.070	0.105	0.350	0.125	2.50	0.010	S87-070-5-.010R5XR	\$42.91	\$45.22
0.075	0.113	0.375	0.125	2.50	0.005	S87-075-5-.005R5XR	\$42.91	\$45.22
0.075	0.113	0.375	0.125	2.50	0.010	S87-075-5-.010R5XR	\$42.91	\$45.22
0.078 (5/64)	0.117	0.390	0.125	2.50	0.005	S87-078-5-.005R5XR	\$42.91	\$45.22
0.078 (5/64)	0.117	0.390	0.125	2.50	0.010	S87-078-5-.010R5XR	\$42.91	\$45.22
0.080	0.120	0.400	0.125	2.50	0.005	S87-080-5-.005R5XR	\$42.91	\$45.22
0.080	0.120	0.400	0.125	2.50	0.010	S87-080-5-.010R5XR	\$42.91	\$45.22
0.085	0.128	0.425	0.125	2.50	0.005	S87-085-5-.005R5XR	\$42.91	\$45.22
0.085	0.128	0.425	0.125	2.50	0.010	S87-085-5-.010R5XR	\$42.91	\$45.22
0.090	0.135	0.450	0.125	2.50	0.005	S87-090-5-.005R5XR	\$42.91	\$45.22
0.090	0.135	0.450	0.125	2.50	0.010	S87-090-5-.010R5XR	\$42.91	\$45.22
0.090	0.135	0.450	0.125	2.50	0.015	S87-090-5-.015R5XR	\$42.91	\$45.22
0.093 (3/32)	0.140	0.465	0.125	2.50	0.005	S87-093-5-.005R5XR	\$42.91	\$45.22
0.093 (3/32)	0.140	0.465	0.125	2.50	0.010	S87-093-5-.010R5XR	\$42.91	\$45.22
0.095	0.143	0.475	0.125	2.50	0.005	S87-095-5-.005R5XR	\$42.91	\$45.22
0.095	0.143	0.475	0.125	2.50	0.010	S87-095-5-.010R5XR	\$42.91	\$45.22
0.100	0.150	0.500	0.125	2.50	0.005	S87-100-5-.005R5XR	\$42.63	\$44.94
0.100	0.150	0.500	0.125	2.50	0.010	S87-100-5-.010R5XR	\$42.63	\$44.94
0.100	0.150	0.500	0.125	2.50	0.015	S87-100-5-.015R5XR	\$42.63	\$44.94
0.118 (3mm)	0.177	0.590	0.125	2.50	0.005	S87-118-5-.005R5XR	\$42.63	\$44.94
0.118 (3mm)	0.177	0.590	0.125	2.50	0.010	S87-118-5-.010R5XR	\$42.63	\$44.94
0.118 (3mm)	0.177	0.590	0.125	2.50	0.015	S87-118-5-.015R5XR	\$42.63	\$44.94
0.125 (1/8)	0.188	0.625	0.125	2.50	0.005	S87-125-5-.005R5XR	\$42.63	\$44.94
0.125 (1/8)	0.188	0.625	0.125	2.50	0.010	S87-125-5-.010R5XR	\$42.63	\$44.94
0.125 (1/8)	0.188	0.625	0.125	2.50	0.015	S87-125-5-.015R5XR	\$42.63	\$44.94



Corner Radius Micro End Mills

S84

FLUTES
5

3X
LENGTH
OF CUT

5X
REACH

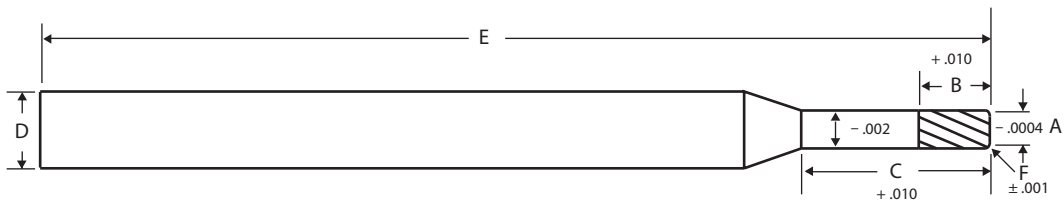
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.031 (1/32)	0.093	0.155	0.125	2.50	0.005	S84-031-5-.005R5XR	\$45.17	\$47.48
0.035	0.105	0.175	0.125	2.50	0.005	S84-035-5-.005R5XR	\$43.71	\$46.02
0.039 (1mm)	0.117	0.195	0.125	2.50	0.005	S84-039-5-.005R5XR	\$43.71	\$46.02
0.040	0.120	0.200	0.125	2.50	0.005	S84-040-5-.005R5XR	\$43.71	\$46.02
0.045	0.135	0.225	0.125	2.50	0.005	S84-045-5-.005R5XR	\$43.71	\$46.02
0.047 (3/64)	0.141	0.235	0.125	2.50	0.005	S84-047-5-.005R5XR	\$43.71	\$46.02
0.050	0.150	0.250	0.125	2.50	0.005	S84-050-5-.005R5XR	\$43.71	\$46.02
0.055	0.165	0.275	0.125	2.50	0.005	S84-055-5-.005R5XR	\$43.71	\$46.02
0.060	0.180	0.300	0.125	2.50	0.005	S84-060-5-.005R5XR	\$43.71	\$46.02
0.062 (1/16)	0.186	0.310	0.125	2.50	0.005	S84-062-5-.005R5XR	\$43.71	\$46.02
0.065	0.195	0.325	0.125	2.50	0.005	S84-065-5-.005R5XR	\$43.71	\$46.02
0.070	0.210	0.350	0.125	2.50	0.005	S84-070-5-.005R5XR	\$42.91	\$45.22
0.070	0.210	0.350	0.125	2.50	0.010	S84-070-5-.010R5XR	\$42.91	\$45.22
0.075	0.225	0.375	0.125	2.50	0.005	S84-075-5-.005R5XR	\$42.91	\$45.22
0.075	0.225	0.375	0.125	2.50	0.010	S84-075-5-.010R5XR	\$42.91	\$45.22
0.078 (5/64)	0.234	0.390	0.125	2.50	0.005	S84-078-5-.005R5XR	\$42.91	\$45.22
0.078 (5/64)	0.234	0.390	0.125	2.50	0.010	S84-078-5-.010R5XR	\$42.91	\$45.22
0.080	0.240	0.400	0.125	2.50	0.005	S84-080-5-.005R5XR	\$42.91	\$45.22
0.080	0.240	0.400	0.125	2.50	0.010	S84-080-5-.010R5XR	\$42.91	\$45.22
0.085	0.255	0.425	0.125	2.50	0.005	S84-085-5-.005R5XR	\$42.91	\$45.22
0.085	0.255	0.425	0.125	2.50	0.010	S84-085-5-.010R5XR	\$42.91	\$45.22
0.090	0.270	0.450	0.125	2.50	0.005	S84-090-5-.005R5XR	\$42.91	\$45.22
0.090	0.270	0.450	0.125	2.50	0.010	S84-090-5-.010R5XR	\$42.91	\$45.22
0.093 (3/32)	0.279	0.465	0.125	2.50	0.005	S84-093-5-.005R5XR	\$42.91	\$45.22
0.093 (3/32)	0.279	0.465	0.125	2.50	0.010	S84-093-5-.010R5XR	\$42.91	\$45.22
0.095	0.285	0.475	0.125	2.50	0.005	S84-095-5-.005R5XR	\$42.91	\$45.22
0.095	0.285	0.475	0.125	2.50	0.010	S84-095-5-.010R5XR	\$42.91	\$45.22
0.100	0.300	0.500	0.125	2.50	0.005	S84-100-5-.005R5XR	\$42.63	\$44.94
0.100	0.300	0.500	0.125	2.50	0.010	S84-100-5-.010R5XR	\$42.63	\$44.94
0.100	0.300	0.500	0.125	2.50	0.015	S84-100-5-.015R5XR	\$42.63	\$44.94
0.118 (3mm)	0.354	0.590	0.125	2.50	0.005	S84-118-5-.005R5XR	\$42.63	\$44.94
0.118 (3mm)	0.354	0.590	0.125	2.50	0.010	S84-118-5-.010R5XR	\$42.63	\$44.94
0.118 (3mm)	0.354	0.590	0.125	2.50	0.015	S84-118-5-.015R5XR	\$42.63	\$44.94
0.125 (1/8)	0.375	0.625	0.125	2.50	0.005	S84-125-5-.005R5XR	\$42.63	\$44.94
0.125 (1/8)	0.375	0.625	0.125	2.50	0.010	S84-125-5-.010R5XR	\$42.63	\$44.94
0.125 (1/8)	0.375	0.625	0.125	2.50	0.015	S84-125-5-.015R5XR	\$42.63	\$44.94



S88

Corner Radius Micro End Mills

FLUTES
5

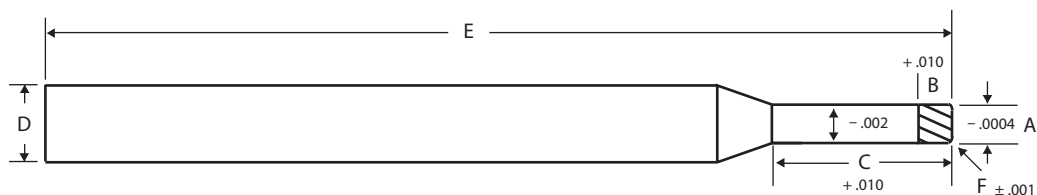
1.5X
LENGTH
OF CUT

8X
REACH

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.031 (1/32)	0.047	0.248	0.125	2.50	0.005	S88-031-5-.005R8XR	\$45.17	\$47.48
0.035	0.053	0.280	0.125	2.50	0.005	S88-035-5-.005R8XR	\$43.71	\$46.02
0.039 (1mm)	0.059	0.312	0.125	2.50	0.005	S88-039-5-.005R8XR	\$43.71	\$46.02
0.040	0.060	0.320	0.125	2.50	0.005	S88-040-5-.005R8XR	\$43.71	\$46.02
0.045	0.068	0.360	0.125	2.50	0.005	S88-045-5-.005R8XR	\$43.71	\$46.02
0.047 (3/64)	0.071	0.376	0.125	2.50	0.005	S88-047-5-.005R8XR	\$43.71	\$46.02
0.050	0.075	0.400	0.125	2.50	0.005	S88-050-5-.005R8XR	\$43.71	\$46.02
0.055	0.083	0.440	0.125	2.50	0.005	S88-055-5-.005R8XR	\$43.71	\$46.02
0.060	0.090	0.480	0.125	2.50	0.005	S88-060-5-.005R8XR	\$43.71	\$46.02
0.062 (1/16)	0.093	0.496	0.125	2.50	0.005	S88-062-5-.005R8XR	\$43.71	\$46.02
0.065	0.098	0.520	0.125	2.50	0.005	S88-065-5-.005R8XR	\$43.71	\$46.02
0.070	0.105	0.560	0.125	2.50	0.005	S88-070-5-.005R8XR	\$42.91	\$45.22
0.070	0.105	0.560	0.125	2.50	0.010	S88-070-5-.010R8XR	\$42.91	\$45.22
0.075	0.113	0.600	0.125	2.50	0.005	S88-075-5-.005R8XR	\$42.91	\$45.22
0.075	0.113	0.600	0.125	2.50	0.010	S88-075-5-.010R8XR	\$42.91	\$45.22
0.078 (5/64)	0.117	0.624	0.125	2.50	0.005	S88-078-5-.005R8XR	\$42.91	\$45.22
0.078 (5/64)	0.117	0.624	0.125	2.50	0.010	S88-078-5-.010R8XR	\$42.91	\$45.22
0.080	0.120	0.640	0.125	2.50	0.005	S88-080-5-.005R8XR	\$42.91	\$45.22
0.080	0.120	0.640	0.125	2.50	0.010	S88-080-5-.010R8XR	\$42.91	\$45.22
0.085	0.128	0.680	0.125	2.50	0.005	S88-085-5-.005R8XR	\$42.91	\$45.22
0.085	0.128	0.680	0.125	2.50	0.010	S88-085-5-.010R8XR	\$42.91	\$45.22
0.090	0.135	0.720	0.125	2.50	0.005	S88-090-5-.005R8XR	\$42.91	\$45.22
0.090	0.135	0.720	0.125	2.50	0.010	S88-090-5-.010R8XR	\$42.91	\$45.22
0.093 (3/32)	0.140	0.744	0.125	2.50	0.005	S88-093-5-.005R8XR	\$42.91	\$45.22
0.093 (3/32)	0.140	0.744	0.125	2.50	0.010	S88-093-5-.010R8XR	\$42.91	\$45.22
0.095	0.143	0.760	0.125	2.50	0.005	S88-095-5-.005R8XR	\$42.91	\$45.22
0.095	0.143	0.760	0.125	2.50	0.010	S88-095-5-.010R8XR	\$42.91	\$45.22
0.100	0.150	0.800	0.125	2.50	0.005	S88-100-5-.005R8XR	\$42.63	\$44.94
0.100	0.150	0.800	0.125	2.50	0.010	S88-100-5-.010R8XR	\$42.63	\$44.94
0.100	0.150	0.800	0.125	2.50	0.015	S88-100-5-.015R8XR	\$42.63	\$44.94
0.118 (3mm)	0.177	0.944	0.125	2.50	0.005	S88-118-5-.005R8XR	\$42.63	\$44.94
0.118 (3mm)	0.177	0.944	0.125	2.50	0.010	S88-118-5-.010R8XR	\$42.63	\$44.94
0.118 (3mm)	0.177	0.944	0.125	2.50	0.015	S88-118-5-.015R8XR	\$42.63	\$44.94
0.125 (1/8)	0.188	1.000	0.125	2.50	0.005	S88-125-5-.005R8XR	\$42.63	\$44.94
0.125 (1/8)	0.188	1.000	0.125	2.50	0.010	S88-125-5-.010R8XR	\$42.63	\$44.94
0.125 (1/8)	0.188	1.000	0.125	2.50	0.015	S88-125-5-.015R8XR	\$42.63	\$44.94



Corner Radius Micro End Mills

S85

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.031 (1/32)	0.093	0.248	0.125	2.50	0.005	S85-031-5-.005R8XR	\$45.17	\$47.48
0.035	0.105	0.280	0.125	2.50	0.005	S85-035-5-.005R8XR	\$43.71	\$46.02
0.039 (1mm)	0.117	0.312	0.125	2.50	0.005	S85-039-5-.005R8XR	\$43.71	\$46.02
0.040	0.120	0.320	0.125	2.50	0.005	S85-040-5-.005R8XR	\$43.71	\$46.02
0.045	0.135	0.360	0.125	2.50	0.005	S85-045-5-.005R8XR	\$43.71	\$46.02
0.047 (3/64)	0.141	0.376	0.125	2.50	0.005	S85-047-5-.005R8XR	\$43.71	\$46.02
0.050	0.150	0.400	0.125	2.50	0.005	S85-050-5-.005R8XR	\$43.71	\$46.02
0.055	0.165	0.440	0.125	2.50	0.005	S85-055-5-.005R8XR	\$43.71	\$46.02
0.060	0.180	0.480	0.125	2.50	0.005	S85-060-5-.005R8XR	\$43.71	\$46.02
0.062 (1/16)	0.186	0.496	0.125	2.50	0.005	S85-062-5-.005R8XR	\$43.71	\$46.02
0.065	0.195	0.520	0.125	2.50	0.005	S85-065-5-.005R8XR	\$43.71	\$46.02
0.070	0.210	0.560	0.125	2.50	0.005	S85-070-5-.005R8XR	\$42.91	\$45.22
0.070	0.210	0.560	0.125	2.50	0.010	S85-070-5-.010R8XR	\$42.91	\$45.22
0.075	0.225	0.600	0.125	2.50	0.005	S85-075-5-.005R8XR	\$42.91	\$45.22
0.075	0.225	0.600	0.125	2.50	0.010	S85-075-5-.010R8XR	\$42.91	\$45.22
0.078 (5/64)	0.234	0.624	0.125	2.50	0.005	S85-078-5-.005R8XR	\$42.91	\$45.22
0.078 (5/64)	0.234	0.624	0.125	2.50	0.010	S85-078-5-.010R8XR	\$42.91	\$45.22
0.080	0.240	0.640	0.125	2.50	0.005	S85-080-5-.005R8XR	\$42.91	\$45.22
0.080	0.240	0.640	0.125	2.50	0.010	S85-080-5-.010R8XR	\$42.91	\$45.22
0.085	0.255	0.680	0.125	2.50	0.005	S85-085-5-.005R8XR	\$42.91	\$45.22
0.085	0.255	0.680	0.125	2.50	0.010	S85-085-5-.010R8XR	\$42.91	\$45.22
0.090	0.270	0.720	0.125	2.50	0.005	S85-090-5-.005R8XR	\$42.91	\$45.22
0.090	0.270	0.720	0.125	2.50	0.010	S85-090-5-.010R8XR	\$42.91	\$45.22
0.093 (3/32)	0.279	0.744	0.125	2.50	0.005	S85-093-5-.005R8XR	\$42.91	\$45.22
0.093 (3/32)	0.279	0.744	0.125	2.50	0.010	S85-093-5-.010R8XR	\$42.91	\$45.22
0.095	0.285	0.760	0.125	2.50	0.005	S85-095-5-.005R8XR	\$42.91	\$45.22
0.095	0.285	0.760	0.125	2.50	0.010	S85-095-5-.010R8XR	\$42.91	\$45.22
0.100	0.300	0.800	0.125	2.50	0.005	S85-100-5-.005R8XR	\$42.63	\$44.94
0.100	0.300	0.800	0.125	2.50	0.010	S85-100-5-.010R8XR	\$42.63	\$44.94
0.100	0.300	0.800	0.125	2.50	0.015	S85-100-5-.015R8XR	\$42.63	\$44.94
0.118 (3mm)	0.354	0.944	0.125	2.50	0.005	S85-118-5-.005R8XR	\$42.63	\$44.94
0.118 (3mm)	0.354	0.944	0.125	2.50	0.010	S85-118-5-.010R8XR	\$42.63	\$44.94
0.118 (3mm)	0.354	0.944	0.125	2.50	0.015	S85-118-5-.015R8XR	\$42.63	\$44.94
0.125 (1/8)	0.375	1.000	0.125	2.50	0.005	S85-125-5-.005R8XR	\$42.63	\$44.94
0.125 (1/8)	0.375	1.000	0.125	2.50	0.010	S85-125-5-.010R8XR	\$42.63	\$44.94
0.125 (1/8)	0.375	1.000	0.125	2.50	0.015	S85-125-5-.015R8XR	\$42.63	\$44.94

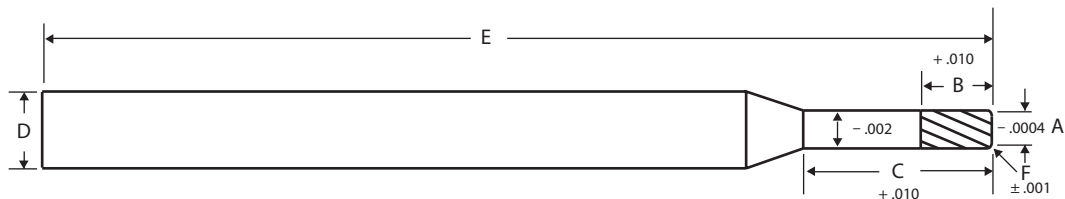
**FLUTES
5**

**3X
LENGTH
OF CUT**

**8X
REACH**

+
SWISS-TYPE
OAL

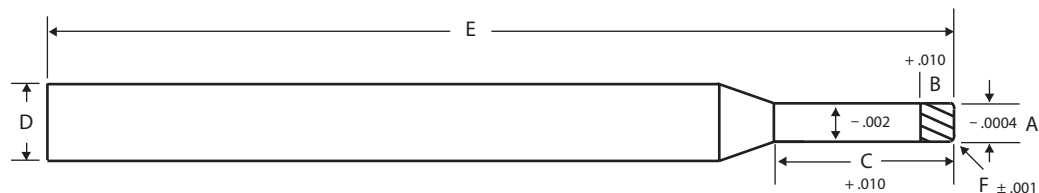
Q
QUICK TURN
SPECIALS



**FLUTES
5**
**1.5X
LENGTH
OF CUT**
**12X
REACH**
+
SWISS-TYPE
OAL


**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.031 (1/32)	0.047	0.372	0.125	2.50	0.005	S89-031-5-.005R12XR	\$47.48	\$49.79
0.035	0.053	0.420	0.125	2.50	0.005	S89-035-5-.005R12XR	\$46.49	\$48.80
0.039 (1mm)	0.059	0.468	0.125	2.50	0.005	S89-039-5-.005R12XR	\$46.49	\$48.80
0.040	0.060	0.480	0.125	2.50	0.005	S89-040-5-.005R12XR	\$46.02	\$48.33
0.045	0.068	0.540	0.125	2.50	0.005	S89-045-5-.005R12XR	\$46.02	\$48.33
0.047 (3/64)	0.071	0.564	0.125	2.50	0.005	S89-047-5-.005R12XR	\$46.02	\$48.33
0.050	0.075	0.600	0.125	2.50	0.005	S89-050-5-.005R12XR	\$46.02	\$48.33
0.055	0.083	0.660	0.125	2.50	0.005	S89-055-5-.005R12XR	\$46.02	\$48.33
0.060	0.090	0.720	0.125	2.50	0.005	S89-060-5-.005R12XR	\$46.02	\$48.33
0.062 (1/16)	0.093	0.744	0.125	2.50	0.005	S89-062-5-.005R12XR	\$46.02	\$48.33
0.065	0.098	0.780	0.125	2.50	0.005	S89-065-5-.005R12XR	\$46.02	\$48.33
0.070	0.105	0.840	0.125	2.50	0.005	S89-070-5-.005R12XR	\$45.22	\$47.53
0.070	0.105	0.840	0.125	2.50	0.010	S89-070-5-.010R12XR	\$45.22	\$47.53
0.075	0.113	0.900	0.125	2.50	0.005	S89-075-5-.005R12XR	\$45.22	\$47.53
0.075	0.113	0.900	0.125	2.50	0.010	S89-075-5-.010R12XR	\$45.22	\$47.53
0.078 (5/64)	0.117	0.936	0.125	2.50	0.005	S89-078-5-.005R12XR	\$45.22	\$47.53
0.078 (5/64)	0.117	0.936	0.125	2.50	0.010	S89-078-5-.010R12XR	\$45.22	\$47.53
0.080	0.120	0.960	0.125	2.50	0.005	S89-080-5-.005R12XR	\$45.22	\$47.53
0.080	0.120	0.960	0.125	2.50	0.010	S89-080-5-.010R12XR	\$45.22	\$47.53
0.085	0.128	1.020	0.125	2.50	0.005	S89-085-5-.005R12XR	\$45.22	\$47.53
0.085	0.128	1.020	0.125	2.50	0.010	S89-085-5-.010R12XR	\$45.22	\$47.53
0.090	0.135	1.080	0.125	2.50	0.005	S89-090-5-.005R12XR	\$45.22	\$47.53
0.090	0.135	1.080	0.125	2.50	0.010	S89-090-5-.010R12XR	\$45.22	\$47.53
0.093 (3/32)	0.140	1.116	0.125	2.50	0.005	S89-093-5-.005R12XR	\$45.22	\$47.53
0.093 (3/32)	0.140	1.116	0.125	2.50	0.010	S89-093-5-.010R12XR	\$45.22	\$47.53
0.095	0.143	1.140	0.125	2.50	0.005	S89-095-5-.005R12XR	\$45.22	\$47.53
0.095	0.143	1.140	0.125	2.50	0.010	S89-095-5-.010R12XR	\$45.22	\$47.53
0.100	0.150	1.200	0.125	2.50	0.005	S89-100-5-.005R12XR	\$44.94	\$47.25
0.100	0.150	1.200	0.125	2.50	0.010	S89-100-5-.010R12XR	\$44.94	\$47.25
0.100	0.150	1.200	0.125	2.50	0.015	S89-100-5-.015R12XR	\$44.94	\$47.25
0.118 (3mm)	0.177	1.416	0.125	2.50	0.005	S89-118-5-.005R12XR	\$44.94	\$47.25
0.118 (3mm)	0.177	1.416	0.125	2.50	0.010	S89-118-5-.010R12XR	\$44.94	\$47.25
0.118 (3mm)	0.177	1.416	0.125	2.50	0.015	S89-118-5-.015R12XR	\$44.94	\$47.25
0.125 (1/8)	0.188	1.500	0.125	2.50	0.005	S89-125-5-.005R12XR	\$44.94	\$47.25
0.125 (1/8)	0.188	1.500	0.125	2.50	0.010	S89-125-5-.010R12XR	\$44.94	\$47.25
0.125 (1/8)	0.188	1.500	0.125	2.50	0.015	S89-125-5-.015R12XR	\$44.94	\$47.25



Corner Radius Micro End Mills

S86

FLUTES
5

3X
LENGTH
OF CUT

12X
REACH

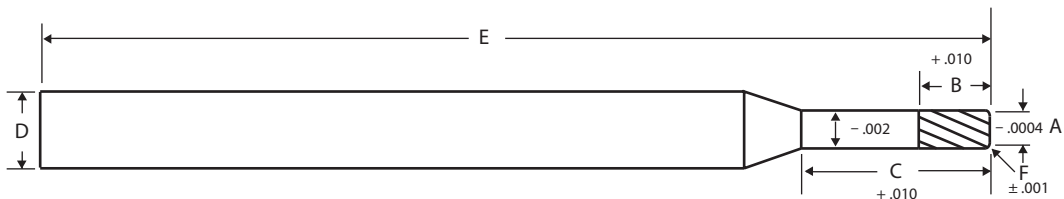
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.031 (1/32)	0.093	0.372	0.125	2.50	0.005	S86-031-5-.005R12XR	\$47.48	\$49.79
0.035	0.105	0.420	0.125	2.50	0.005	S86-035-5-.005R12XR	\$46.49	\$48.80
0.039 (1mm)	0.117	0.468	0.125	2.50	0.005	S86-039-5-.005R12XR	\$46.49	\$48.80
0.040	0.120	0.480	0.125	2.50	0.005	S86-040-5-.005R12XR	\$46.02	\$48.33
0.045	0.135	0.540	0.125	2.50	0.005	S86-045-5-.005R12XR	\$46.02	\$48.33
0.047 (3/64)	0.141	0.564	0.125	2.50	0.005	S86-047-5-.005R12XR	\$46.02	\$48.33
0.050	0.150	0.600	0.125	2.50	0.005	S86-050-5-.005R12XR	\$46.02	\$48.33
0.055	0.165	0.660	0.125	2.50	0.005	S86-055-5-.005R12XR	\$46.02	\$48.33
0.060	0.180	0.720	0.125	2.50	0.005	S86-060-5-.005R12XR	\$46.02	\$48.33
0.062 (1/16)	0.186	0.744	0.125	2.50	0.005	S86-062-5-.005R12XR	\$46.02	\$48.33
0.065	0.195	0.780	0.125	2.50	0.005	S86-065-5-.005R12XR	\$46.02	\$48.33
0.070	0.210	0.840	0.125	2.50	0.005	S86-070-5-.005R12XR	\$45.22	\$47.53
0.070	0.210	0.840	0.125	2.50	0.010	S86-070-5-.010R12XR	\$45.22	\$47.53
0.075	0.225	0.900	0.125	2.50	0.005	S86-075-5-.005R12XR	\$45.22	\$47.53
0.075	0.225	0.900	0.125	2.50	0.010	S86-075-5-.010R12XR	\$45.22	\$47.53
0.078 (5/64)	0.234	0.936	0.125	2.50	0.005	S86-078-5-.005R12XR	\$45.22	\$47.53
0.078 (5/64)	0.234	0.936	0.125	2.50	0.010	S86-078-5-.010R12XR	\$45.22	\$47.53
0.080	0.240	0.960	0.125	2.50	0.005	S86-080-5-.005R12XR	\$45.22	\$47.53
0.080	0.240	0.960	0.125	2.50	0.010	S86-080-5-.010R12XR	\$45.22	\$47.53
0.085	0.255	1.020	0.125	2.50	0.005	S86-085-5-.005R12XR	\$45.22	\$47.53
0.085	0.255	1.020	0.125	2.50	0.010	S86-085-5-.010R12XR	\$45.22	\$47.53
0.090	0.270	1.080	0.125	2.50	0.005	S86-090-5-.005R12XR	\$45.22	\$47.53
0.090	0.270	1.080	0.125	2.50	0.010	S86-090-5-.010R12XR	\$45.22	\$47.53
0.093 (3/32)	0.279	1.116	0.125	2.50	0.005	S86-093-5-.005R12XR	\$45.22	\$47.53
0.093 (3/32)	0.279	1.116	0.125	2.50	0.010	S86-093-5-.010R12XR	\$45.22	\$47.53
0.095	0.285	1.140	0.125	2.50	0.005	S86-095-5-.005R12XR	\$45.22	\$47.53
0.095	0.285	1.140	0.125	2.50	0.010	S86-095-5-.010R12XR	\$45.22	\$47.53
0.100	0.300	1.200	0.125	2.50	0.005	S86-100-5-.005R12XR	\$44.94	\$47.25
0.100	0.300	1.200	0.125	2.50	0.010	S86-100-5-.010R12XR	\$44.94	\$47.25
0.100	0.300	1.200	0.125	2.50	0.015	S86-100-5-.015R12XR	\$44.94	\$47.25
0.118 (3mm)	0.354	1.416	0.125	2.50	0.005	S86-118-5-.005R12XR	\$44.94	\$47.25
0.118 (3mm)	0.354	1.416	0.125	2.50	0.010	S86-118-5-.010R12XR	\$44.94	\$47.25
0.118 (3mm)	0.354	1.416	0.125	2.50	0.015	S86-118-5-.015R12XR	\$44.94	\$47.25
0.125 (1/8)	0.375	1.500	0.125	2.50	0.005	S86-125-5-.005R12XR	\$44.94	\$47.25
0.125 (1/8)	0.375	1.500	0.125	2.50	0.010	S86-125-5-.010R12XR	\$44.94	\$47.25
0.125 (1/8)	0.375	1.500	0.125	2.50	0.015	S86-125-5-.015R12XR	\$44.94	\$47.25



S35

Metric Square Micro End Mills

FLUTES
2,4

1.5X
LENGTH
OF CUT

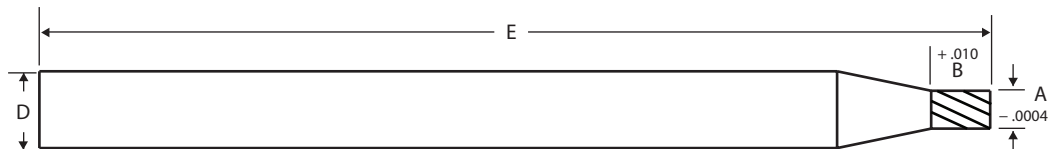
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter (mm)	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.0119	0.125	1.50	S35-.20mm-2-SST	S35-.20mm-4-SST	\$32.32	\$34.63
0.25	0.0147	0.125	1.50	S35-.25mm-2-SST	S35-.25mm-4-SST	\$26.63	\$28.94
0.30	0.0177	0.125	1.50	S35-.30mm-2-SST	S35-.30mm-4-SST	\$26.63	\$28.94
0.35	0.0207	0.125	1.50	S35-.35mm-2-SST	S35-.35mm-4-SST	\$26.63	\$28.94
0.40	0.0236	0.125	1.50	S35-.40mm-2-SST	S35-.40mm-4-SST	\$23.45	\$25.76
0.45	0.0266	0.125	1.50	S35-.45mm-2-SST	S35-.45mm-4-SST	\$23.45	\$25.76
0.50	0.0296	0.125	1.50	S35-.50mm-2-SST	S35-.50mm-4-SST	\$22.37	\$24.68
0.55	0.0326	0.125	1.50	S35-.55mm-2-SST	S35-.55mm-4-SST	\$22.37	\$24.68
0.60	0.0354	0.125	1.50	S35-.60mm-2-SST	S35-.60mm-4-SST	\$22.37	\$24.68
0.65	0.0384	0.125	1.50	S35-.65mm-2-SST	S35-.65mm-4-SST	\$20.25	\$22.56
0.70	0.0414	0.125	1.50	S35-.70mm-2-SST	S35-.70mm-4-SST	\$20.25	\$22.56
0.75	0.0443	0.125	1.50	S35-.75mm-2-SST	S35-.75mm-4-SST	\$20.25	\$22.56
0.80	0.0473	0.125	1.50	S35-.80mm-2-SST	S35-.80mm-4-SST	\$20.25	\$22.56
0.85	0.0503	0.125	1.50	S35-.85mm-2-SST	S35-.85mm-4-SST	\$17.40	\$19.71
0.90	0.0531	0.125	1.50	S35-.90mm-2-SST	S35-.90mm-4-SST	\$17.40	\$19.71
0.95	0.0561	0.125	1.50	S35-.95mm-2-SST	S35-.95mm-4-SST	\$17.40	\$19.71
1.00	0.0591	0.125	1.50	S35-1.00mm-2-SST	S35-1.00mm-4-SST	\$17.40	\$19.71
1.25	0.0738	0.125	1.50	S35-1.25mm-2-SST	S35-1.25mm-4-SST	\$17.40	\$19.71
1.50	0.0887	0.125	1.50	S35-1.50mm-2-SST	S35-1.50mm-4-SST	\$15.27	\$17.58
1.75	0.1034	0.125	1.50	S35-1.75mm-2-SST	S35-1.75mm-4-SST	\$15.27	\$17.58
2.00	0.1181	0.125	1.50	S35-2.00mm-2-SST	S35-2.00mm-4-SST	\$15.27	\$17.58
2.25	0.1329	0.125	1.50	S35-2.25mm-2-SST	S35-2.25mm-4-SST	\$15.27	\$17.58
2.50	0.1476	0.125	1.50	S35-2.50mm-2-SST	S35-2.50mm-4-SST	\$15.27	\$17.58
2.75	0.1625	0.125	1.50	S35-2.75mm-2-SST	S35-2.75mm-4-SST	\$15.27	\$17.58
3.00	0.1772	0.125	1.50	S35-3.00mm-2-SST	S35-3.00mm-4-SST	\$15.27	\$17.58



MANUFACTURED BY MITGI: Optimized Quality Control

At MITGI, quality isn't just the end goal, it's embedded throughout the entire manufacturing process.

From securing tool print accuracy, to mid-job inspections, through pre-shipping approvals, we ensure that each tool meets our quality standards before it leaves our door. Since all MITGI tools are manufactured on-location, we can ensure that all tools meet our standards of manufacturing and are in spec before they leave the building.

For micro tooling, quality control and manufacturing to tight tolerances are closely linked. The smaller the tool, the more important it is that every detail is checked. Our quality process requires skilled operators, equipment kept in perfect condition, carefully dressed wheels, and meticulous setup.

Metric Square Micro End Mills

S34

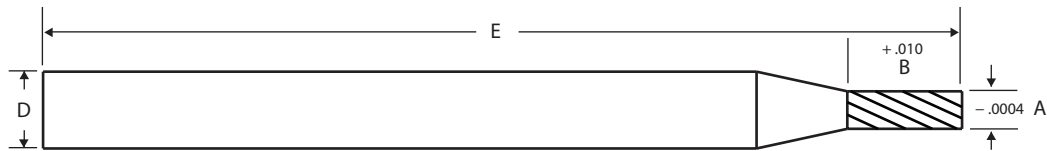
**FLUTES
2,4**

**3X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter (mm)	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E				
0.20	0.0237	0.125	1.50	S34-.20mm-2-SEM	S34-.20mm-4-SEM	\$32.32	\$34.63
0.25	0.0294	0.125	1.50	S34-.25mm-2-SEM	S34-.25mm-4-SEM	\$26.63	\$28.94
0.30	0.0354	0.125	1.50	S34-.30mm-2-SEM	S34-.30mm-4-SEM	\$26.63	\$28.94
0.35	0.0414	0.125	1.50	S34-.35mm-2-SEM	S34-.35mm-4-SEM	\$26.63	\$28.94
0.40	0.0471	0.125	1.50	S34-.40mm-2-SEM	S34-.40mm-4-SEM	\$23.45	\$25.76
0.45	0.0531	0.125	1.50	S34-.45mm-2-SEM	S34-.45mm-4-SEM	\$23.45	\$25.76
0.50	0.0591	0.125	1.50	S34-.50mm-2-SEM	S34-.50mm-4-SEM	\$22.37	\$24.68
0.55	0.0651	0.125	1.50	S34-.55mm-2-SEM	S34-.55mm-4-SEM	\$22.37	\$24.68
0.60	0.0708	0.125	1.50	S34-.60mm-2-SEM	S34-.60mm-4-SEM	\$22.37	\$24.68
0.65	0.0768	0.125	1.50	S34-.65mm-2-SEM	S34-.65mm-4-SEM	\$20.25	\$22.56
0.70	0.0828	0.125	1.50	S34-.70mm-2-SEM	S34-.70mm-4-SEM	\$20.25	\$22.56
0.75	0.0885	0.125	1.50	S34-.75mm-2-SEM	S34-.75mm-4-SEM	\$20.25	\$22.56
0.80	0.0945	0.125	1.50	S34-.80mm-2-SEM	S34-.80mm-4-SEM	\$20.25	\$22.56
0.85	0.1005	0.125	1.50	S34-.85mm-2-SEM	S34-.85mm-4-SEM	\$17.40	\$19.71
0.90	0.1062	0.125	1.50	S34-.90mm-2-SEM	S34-.90mm-4-SEM	\$17.40	\$19.71
0.95	0.1122	0.125	1.50	S34-.95mm-2-SEM	S34-.95mm-4-SEM	\$17.40	\$19.71
1.00	0.1181	0.125	1.50	S34-1.00mm-2-SEM	S34-1.00mm-4-SEM	\$17.40	\$19.71
1.25	0.1476	0.125	1.50	S34-1.25mm-2-SEM	S34-1.25mm-4-SEM	\$17.40	\$19.71
1.50	0.1773	0.125	1.50	S34-1.50mm-2-SEM	S34-1.50mm-4-SEM	\$15.27	\$17.58
1.75	0.2067	0.125	1.50	S34-1.75mm-2-SEM	S34-1.75mm-4-SEM	\$15.27	\$17.58
2.00	0.2361	0.125	1.50	S34-2.00mm-2-SEM	S34-2.00mm-4-SEM	\$15.27	\$17.58
2.25	0.2658	0.125	1.50	S34-2.25mm-2-SEM	S34-2.25mm-4-SEM	\$15.27	\$17.58
2.50	0.2952	0.125	1.50	S34-2.50mm-2-SEM	S34-2.50mm-4-SEM	\$15.27	\$17.58
2.75	0.3249	0.125	1.50	S34-2.75mm-2-SEM	S34-2.75mm-4-SEM	\$15.27	\$17.58
3.00	0.3543	0.125	1.50	S34-3.00mm-2-SEM	S34-3.00mm-4-SEM	\$15.27	\$17.58



MITGI RESULTS: High Performance Products & Service

"Thank you so much for the 'Above and Beyond' approach you had with our job. We truly appreciate it.

Your company is a joy to work with, not only for the fast and

friendly service, but also the technical advice that you provide.

Many thanks!"
- Donna



S37

Metric Ball Micro End Mills

FLUTES
2,4

1.5X
LENGTH
OF CUT

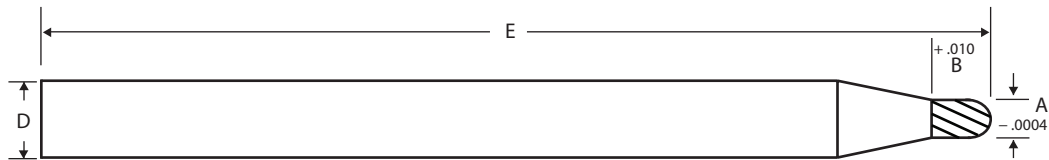
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter (mm)	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.0119	0.125	1.50	S37-.20mm-2-BST	S37-.20mm-4-BST	\$40.78	\$43.09
0.25	0.0147	0.125	1.50	S37-.25mm-2-BST	S37-.25mm-4-BST	\$40.78	\$43.09
0.30	0.0177	0.125	1.50	S37-.30mm-2-BST	S37-.30mm-4-BST	\$40.78	\$43.09
0.35	0.0207	0.125	1.50	S37-.35mm-2-BST	S37-.35mm-4-BST	\$32.32	\$34.63
0.40	0.0236	0.125	1.50	S37-.40mm-2-BST	S37-.40mm-4-BST	\$32.32	\$34.63
0.45	0.0266	0.125	1.50	S37-.45mm-2-BST	S37-.45mm-4-BST	\$31.04	\$33.35
0.50	0.0296	0.125	1.50	S37-.50mm-2-BST	S37-.50mm-4-BST	\$31.04	\$33.35
0.55	0.0326	0.125	1.50	S37-.55mm-2-BST	S37-.55mm-4-BST	\$31.04	\$33.35
0.60	0.0354	0.125	1.50	S37-.60mm-2-BST	S37-.60mm-4-BST	\$28.27	\$30.58
0.65	0.0384	0.125	1.50	S37-.65mm-2-BST	S37-.65mm-4-BST	\$28.27	\$30.58
0.70	0.0414	0.125	1.50	S37-.70mm-2-BST	S37-.70mm-4-BST	\$28.27	\$30.58
0.75	0.0443	0.125	1.50	S37-.75mm-2-BST	S37-.75mm-4-BST	\$25.28	\$27.59
0.80	0.0473	0.125	1.50	S37-.80mm-2-BST	S37-.80mm-4-BST	\$25.28	\$27.59
0.85	0.0503	0.125	1.50	S37-.85mm-2-BST	S37-.85mm-4-BST	\$25.28	\$27.59
0.90	0.0531	0.125	1.50	S37-.90mm-2-BST	S37-.90mm-4-BST	\$23.95	\$26.26
0.95	0.0561	0.125	1.50	S37-.95mm-2-BST	S37-.95mm-4-BST	\$23.95	\$26.26
1.00	0.0591	0.125	1.50	S37-1.00mm-2-BST	S37-1.00mm-4-BST	\$23.95	\$26.26
1.25	0.0738	0.125	1.50	S37-1.25mm-2-BST	S37-1.25mm-4-BST	\$23.95	\$26.26
1.50	0.0887	0.125	1.50	S37-1.50mm-2-BST	S37-1.50mm-4-BST	\$23.09	\$25.40
1.75	0.1034	0.125	1.50	S37-1.75mm-2-BST	S37-1.75mm-4-BST	\$23.09	\$25.40
2.00	0.1181	0.125	1.50	S37-2.00mm-2-BST	S37-2.00mm-4-BST	\$23.09	\$25.40
2.25	0.1329	0.125	1.50	S37-2.25mm-2-BST	S37-2.25mm-4-BST	\$23.09	\$25.40
2.50	0.1476	0.125	1.50	S37-2.50mm-2-BST	S37-2.50mm-4-BST	\$23.09	\$25.40
2.75	0.1625	0.125	1.50	S37-2.75mm-2-BST	S37-2.75mm-4-BST	\$23.09	\$25.40
3.00	0.1772	0.125	1.50	S37-3.00mm-2-BST	S37-3.00mm-4-BST	\$23.09	\$25.40



MANUFACTURED BY MITGI: In-House Coating

Coating can enhance tool life and overall performance, but it can also add to the length of the production schedule of the tool. In-house coating at MITGI helps to shorten lead times, while ensuring consistent results.

Adding a coating to the tool surface can extend the life of the tool, help create a smoother finish in manufacturing, and can reduce heat. In-house coating gives us the ability to coat tools in batches of like sizes, allowing us to ensure evenly applied and consistent coating each time you place an order.

MITGI Level I coating runs through a weekly production schedule rotation. Level II coatings are available upon request and can usually run within 1-2 weeks. Contact us for more information about coated tools and coating services.

Metric Ball Micro End Mills

S36

FLUTES
2,4

3X
LENGTH
OF CUT

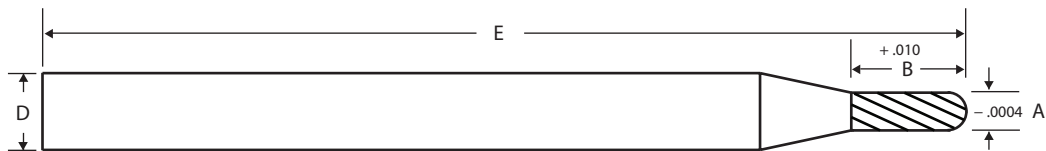
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter (mm)	Length of Cut	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.0237	0.125	1.50	S36-.20mm-2-BEM	S36-.20mm-4-BEM	\$40.78	\$43.09
0.25	0.0294	0.125	1.50	S36-.25mm-2-BEM	S36-.25mm-4-BEM	\$40.78	\$43.09
0.30	0.0354	0.125	1.50	S36-.30mm-2-BEM	S36-.30mm-4-BEM	\$40.78	\$43.09
0.35	0.0414	0.125	1.50	S36-.35mm-2-BEM	S36-.35mm-4-BEM	\$32.32	\$34.63
0.40	0.0471	0.125	1.50	S36-.40mm-2-BEM	S36-.40mm-4-BEM	\$32.32	\$34.63
0.45	0.0531	0.125	1.50	S36-.45mm-2-BEM	S36-.45mm-4-BEM	\$31.04	\$33.36
0.50	0.0591	0.125	1.50	S36-.50mm-2-BEM	S36-.50mm-4-BEM	\$31.04	\$33.36
0.55	0.0651	0.125	1.50	S36-.55mm-2-BEM	S36-.55mm-4-BEM	\$31.04	\$33.36
0.60	0.0708	0.125	1.50	S36-.60mm-2-BEM	S36-.60mm-4-BEM	\$28.27	\$30.59
0.65	0.0768	0.125	1.50	S36-.65mm-2-BEM	S36-.65mm-4-BEM	\$28.27	\$30.59
0.70	0.0828	0.125	1.50	S36-.70mm-2-BEM	S36-.70mm-4-BEM	\$28.27	\$30.59
0.75	0.0885	0.125	1.50	S36-.75mm-2-BEM	S36-.75mm-4-BEM	\$25.30	\$27.61
0.80	0.0945	0.125	1.50	S36-.80mm-2-BEM	S36-.80mm-4-BEM	\$25.30	\$27.61
0.85	0.1005	0.125	1.50	S36-.85mm-2-BEM	S36-.85mm-4-BEM	\$25.30	\$27.61
0.90	0.1062	0.125	1.50	S36-.90mm-2-BEM	S36-.90mm-4-BEM	\$23.95	\$26.26
0.95	0.1122	0.125	1.50	S36-.95mm-2-BEM	S36-.95mm-4-BEM	\$23.95	\$26.26
1.00	0.1181	0.125	1.50	S36-1.00mm-2-BEM	S36-1.00mm-4-BEM	\$23.95	\$26.26
1.25	0.1476	0.125	1.50	S36-1.25mm-2-BEM	S36-1.25mm-4-BEM	\$23.95	\$26.26
1.50	0.1773	0.125	1.50	S36-1.50mm-2-BEM	S36-1.50mm-4-BEM	\$23.09	\$25.40
1.75	0.2067	0.125	1.50	S36-1.75mm-2-BEM	S36-1.75mm-4-BEM	\$23.09	\$25.40
2.00	0.2361	0.125	1.50	S36-2.00mm-2-BEM	S36-2.00mm-4-BEM	\$23.09	\$25.40
2.25	0.2658	0.125	1.50	S36-2.25mm-2-BEM	S36-2.25mm-4-BEM	\$23.09	\$25.40
2.50	0.2952	0.125	1.50	S36-2.50mm-2-BEM	S36-2.50mm-4-BEM	\$23.09	\$25.40
2.75	0.3249	0.125	1.50	S36-2.75mm-2-BEM	S36-2.75mm-4-BEM	\$23.09	\$25.40
3.00	0.3543	0.125	1.50	S36-3.00mm-2-BEM	S36-3.00mm-4-BEM	\$23.09	\$25.40



MITGI RESULTS: Fast Service with In-House Coating

"The standard coated tool we ordered worked better than other tools we've tried. We were cutting Cobalt Chrome, so it was a struggle. The turnaround for coating from other

places was a killer for us, and we were far behind schedule. Your coating was quick, and results look good.

Thanks for all you guys do!"
- Justin



S309

Metric Square Micro End Mills (Metric Shank)

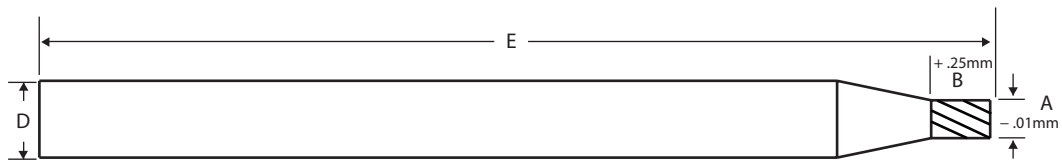
**FLUTES
2,4**

**1.5X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter (mm)	Length of Cut (mm)	Shank Diameter (mm)	Overall Length (in.)	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.30	3.00	1.50	S309-.20mm-2-SQEM	S309-.20mm-4-SQEM	\$32.32	\$34.63
0.25	0.38	3.00	1.50	S309-.25mm-2-SQEM	S309-.25mm-4-SQEM	\$26.63	\$28.94
0.30	0.45	3.00	1.50	S309-.30mm-2-SQEM	S309-.30mm-4-SQEM	\$26.63	\$28.94
0.35	0.53	3.00	1.50	S309-.35mm-2-SQEM	S309-.35mm-4-SQEM	\$26.63	\$28.94
0.40	0.60	3.00	1.50	S309-.40mm-2-SQEM	S309-.40mm-4-SQEM	\$23.45	\$25.76
0.45	0.68	3.00	1.50	S309-.45mm-2-SQEM	S309-.45mm-4-SQEM	\$23.45	\$25.76
0.50	0.75	3.00	1.50	S309-.50mm-2-SQEM	S309-.50mm-4-SQEM	\$22.37	\$24.68
0.55	0.83	3.00	1.50	S309-.55mm-2-SQEM	S309-.55mm-4-SQEM	\$22.37	\$24.68
0.60	0.90	3.00	1.50	S309-.60mm-2-SQEM	S309-.60mm-4-SQEM	\$22.37	\$24.68
0.65	0.98	3.00	1.50	S309-.65mm-2-SQEM	S309-.65mm-4-SQEM	\$20.25	\$22.56
0.70	1.05	3.00	1.50	S309-.70mm-2-SQEM	S309-.70mm-4-SQEM	\$20.25	\$22.56
0.75	1.13	3.00	1.50	S309-.75mm-2-SQEM	S309-.75mm-4-SQEM	\$20.25	\$22.56
0.80	1.20	3.00	1.50	S309-.80mm-2-SQEM	S309-.80mm-4-SQEM	\$20.25	\$22.56
0.85	1.28	3.00	1.50	S309-.85mm-2-SQEM	S309-.85mm-4-SQEM	\$17.40	\$19.71
0.90	1.35	3.00	1.50	S309-.90mm-2-SQEM	S309-.90mm-4-SQEM	\$17.40	\$19.71
0.95	1.43	3.00	1.50	S309-.95mm-2-SQEM	S309-.95mm-4-SQEM	\$17.40	\$19.71
1.00	1.50	3.00	1.50	S309-1.00mm-2-SQEM	S309-1.00mm-4-SQEM	\$17.40	\$19.71
1.25	1.88	3.00	1.50	S309-1.25mm-2-SQEM	S309-1.25mm-4-SQEM	\$17.40	\$19.71
1.50	2.25	3.00	1.50	S309-1.50mm-2-SQEM	S309-1.50mm-4-SQEM	\$15.27	\$17.58
1.75	2.63	3.00	1.50	S309-1.75mm-2-SQEM	S309-1.75mm-4-SQEM	\$15.27	\$17.58
2.00	3.00	3.00	1.50	S309-2.00mm-2-SQEM	S309-2.00mm-4-SQEM	\$15.27	\$17.58
2.25	3.38	3.00	1.50	S309-2.25mm-2-SQEM	S309-2.25mm-4-SQEM	\$15.27	\$17.58
2.50	3.75	3.00	1.50	S309-2.50mm-2-SQEM	S309-2.50mm-4-SQEM	\$15.27	\$17.58
2.75	4.13	3.00	1.50	S309-2.75mm-2-SQEM	S309-2.75mm-4-SQEM	\$15.27	\$17.58
3.00	4.50	3.00	1.50	S309-3.00mm-2-SQEM	S309-3.00mm-4-SQEM	\$15.27	\$17.58

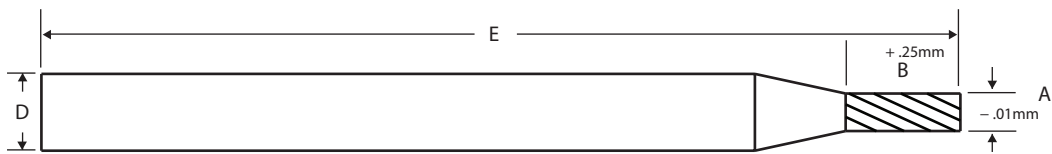


Metric Square Micro End Mills (Metric Shank)

S310
**FLUTES
2,4**
**3X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL


**QUICK TURN
SPECIALS**

Cutter Diameter (mm)	Length of Cut (mm)	Shank Diameter (mm)	Overall Length (in.)	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.60	3.00	1.50	S310-.20mm-2-SQEM	S310-.20mm-4-SQEM	\$32.32	\$34.63
0.25	0.75	3.00	1.50	S310-.25mm-2-SQEM	S310-.25mm-4-SQEM	\$26.63	\$28.94
0.30	0.90	3.00	1.50	S310-.30mm-2-SQEM	S310-.30mm-4-SQEM	\$26.63	\$28.94
0.35	1.05	3.00	1.50	S310-.35mm-2-SQEM	S310-.35mm-4-SQEM	\$26.63	\$28.94
0.40	1.20	3.00	1.50	S310-.40mm-2-SQEM	S310-.40mm-4-SQEM	\$23.45	\$25.76
0.45	1.35	3.00	1.50	S310-.45mm-2-SQEM	S310-.45mm-4-SQEM	\$23.45	\$25.76
0.50	1.50	3.00	1.50	S310-.50mm-2-SQEM	S310-.50mm-4-SQEM	\$22.37	\$24.68
0.55	1.65	3.00	1.50	S310-.55mm-2-SQEM	S310-.55mm-4-SQEM	\$22.37	\$24.68
0.60	1.80	3.00	1.50	S310-.60mm-2-SQEM	S310-.60mm-4-SQEM	\$22.37	\$24.68
0.65	1.95	3.00	1.50	S310-.65mm-2-SQEM	S310-.65mm-4-SQEM	\$20.25	\$22.56
0.70	2.10	3.00	1.50	S310-.70mm-2-SQEM	S310-.70mm-4-SQEM	\$20.25	\$22.56
0.75	2.25	3.00	1.50	S310-.75mm-2-SQEM	S310-.75mm-4-SQEM	\$20.25	\$22.56
0.80	2.40	3.00	1.50	S310-.80mm-2-SQEM	S310-.80mm-4-SQEM	\$20.25	\$22.56
0.85	2.55	3.00	1.50	S310-.85mm-2-SQEM	S310-.85mm-4-SQEM	\$17.40	\$19.71
0.90	2.70	3.00	1.50	S310-.90mm-2-SQEM	S310-.90mm-4-SQEM	\$17.40	\$19.71
0.95	2.85	3.00	1.50	S310-.95mm-2-SQEM	S310-.95mm-4-SQEM	\$17.40	\$19.71
1.00	3.00	3.00	1.50	S310-1.00mm-2-SQEM	S310-1.00mm-4-SQEM	\$17.40	\$19.71
1.25	3.75	3.00	1.50	S310-1.25mm-2-SQEM	S310-1.25mm-4-SQEM	\$17.40	\$19.71
1.50	4.50	3.00	1.50	S310-1.50mm-2-SQEM	S310-1.50mm-4-SQEM	\$15.27	\$17.58
1.75	5.25	3.00	1.50	S310-1.75mm-2-SQEM	S310-1.75mm-4-SQEM	\$15.27	\$17.58
2.00	6.00	3.00	1.50	S310-2.00mm-2-SQEM	S310-2.00mm-4-SQEM	\$15.27	\$17.58
2.25	6.75	3.00	1.50	S310-2.25mm-2-SQEM	S310-2.25mm-4-SQEM	\$15.27	\$17.58
2.50	7.50	3.00	1.50	S310-2.50mm-2-SQEM	S310-2.50mm-4-SQEM	\$15.27	\$17.58
2.75	8.25	3.00	1.50	S310-2.75mm-2-SQEM	S310-2.75mm-4-SQEM	\$15.27	\$17.58
3.00	9.00	3.00	1.50	S310-3.00mm-2-SQEM	S310-3.00mm-4-SQEM	\$15.27	\$17.58



S311

Metric Ball Micro End Mills (Metric Shank)

FLUTES
2,4

1.5X
LENGTH
OF CUT

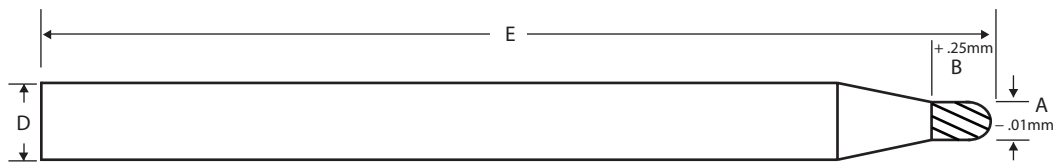
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter (mm)	Length of Cut (mm)	Shank Diameter (mm)	Overall Length (in.)	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.30	3.00	1.50	S311-.20mm-2-BLEM	S311-.20mm-4-BLEM	\$40.78	\$43.09
0.25	0.38	3.00	1.50	S311-.25mm-2-BLEM	S311-.25mm-4-BLEM	\$40.78	\$43.09
0.30	0.45	3.00	1.50	S311-.30mm-2-BLEM	S311-.30mm-4-BLEM	\$40.78	\$43.09
0.35	0.53	3.00	1.50	S311-.35mm-2-BLEM	S311-.35mm-4-BLEM	\$32.32	\$34.63
0.40	0.60	3.00	1.50	S311-.40mm-2-BLEM	S311-.40mm-4-BLEM	\$32.32	\$34.63
0.45	0.68	3.00	1.50	S311-.45mm-2-BLEM	S311-.45mm-4-BLEM	\$31.04	\$33.36
0.50	0.75	3.00	1.50	S311-.50mm-2-BLEM	S311-.50mm-4-BLEM	\$31.04	\$33.36
0.55	0.83	3.00	1.50	S311-.55mm-2-BLEM	S311-.55mm-4-BLEM	\$31.04	\$33.36
0.60	0.90	3.00	1.50	S311-.60mm-2-BLEM	S311-.60mm-4-BLEM	\$28.27	\$30.59
0.65	0.98	3.00	1.50	S311-.65mm-2-BLEM	S311-.65mm-4-BLEM	\$28.27	\$30.59
0.70	1.05	3.00	1.50	S311-.70mm-2-BLEM	S311-.70mm-4-BLEM	\$28.27	\$30.59
0.75	1.13	3.00	1.50	S311-.75mm-2-BLEM	S311-.75mm-4-BLEM	\$25.30	\$27.61
0.80	1.20	3.00	1.50	S311-.80mm-2-BLEM	S311-.80mm-4-BLEM	\$25.30	\$27.61
0.85	1.28	3.00	1.50	S311-.85mm-2-BLEM	S311-.85mm-4-BLEM	\$25.30	\$27.61
0.90	1.35	3.00	1.50	S311-.90mm-2-BLEM	S311-.90mm-4-BLEM	\$23.95	\$26.26
0.95	1.43	3.00	1.50	S311-.95mm-2-BLEM	S311-.95mm-4-BLEM	\$23.95	\$26.26
1.00	1.50	3.00	1.50	S311-1.00mm-2-BLEM	S311-1.00mm-4-BLEM	\$23.95	\$26.26
1.25	1.88	3.00	1.50	S311-1.25mm-2-BLEM	S311-1.25mm-4-BLEM	\$23.95	\$26.26
1.50	2.25	3.00	1.50	S311-1.50mm-2-BLEM	S311-1.50mm-4-BLEM	\$23.09	\$25.40
1.75	2.63	3.00	1.50	S311-1.75mm-2-BLEM	S311-1.75mm-4-BLEM	\$23.09	\$25.40
2.00	3.00	3.00	1.50	S311-2.00mm-2-BLEM	S311-2.00mm-4-BLEM	\$23.09	\$25.40
2.25	3.38	3.00	1.50	S311-2.25mm-2-BLEM	S311-2.25mm-4-BLEM	\$23.09	\$25.40
2.50	3.75	3.00	1.50	S311-2.50mm-2-BLEM	S311-2.50mm-4-BLEM	\$23.09	\$25.40
2.75	4.13	3.00	1.50	S311-2.75mm-2-BLEM	S311-2.75mm-4-BLEM	\$23.09	\$25.40
3.00	4.50	3.00	1.50	S311-3.00mm-2-BLEM	S311-3.00mm-4-BLEM	\$23.09	\$25.40



MANUFACTURED BY MITGI: Customer Focus

At MITGI, your deadline and specifications are ours too. Our customer service, design, and manufacturing teams work together to ensure that your needs are represented every step along the way.

Short turnaround times and tight tolerances are the nature of our business. Our teams are responsive and ready to help get your order started and out the door on time. Through personal and professional customer service, we make sure that our tools and delivery times meet specs and exceed expectations every time an order is placed.

Contact us to start working with MITGI today.

Metric Ball Micro End Mills (Metric Shank)

S312

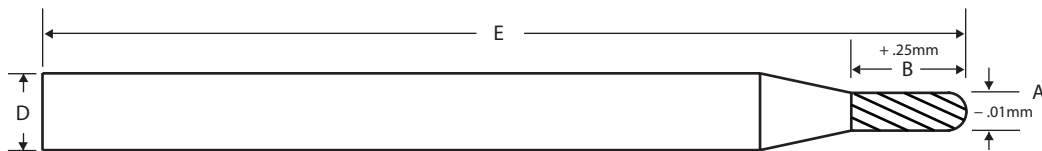
**FLUTES
2,4**

**3X
LENGTH
OF CUT**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter (mm)	Length of Cut (mm)	Shank Diameter (mm)	Overall Length (in.)	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.20	0.60	3.00	1.50	S312-.20mm-2-BLEM	S312-.20mm-4-BLEM	\$40.78	\$43.09
0.25	0.75	3.00	1.50	S312-.25mm-2-BLEM	S312-.25mm-4-BLEM	\$40.78	\$43.09
0.30	0.90	3.00	1.50	S312-.30mm-2-BLEM	S312-.30mm-4-BLEM	\$40.78	\$43.09
0.35	1.05	3.00	1.50	S312-.35mm-2-BLEM	S312-.35mm-4-BLEM	\$32.32	\$34.63
0.40	1.20	3.00	1.50	S312-.40mm-2-BLEM	S312-.40mm-4-BLEM	\$32.32	\$34.63
0.45	1.35	3.00	1.50	S312-.45mm-2-BLEM	S312-.45mm-4-BLEM	\$31.04	\$33.36
0.50	1.50	3.00	1.50	S312-.50mm-2-BLEM	S312-.50mm-4-BLEM	\$31.04	\$33.36
0.55	1.65	3.00	1.50	S312-.55mm-2-BLEM	S312-.55mm-4-BLEM	\$31.04	\$33.36
0.60	1.80	3.00	1.50	S312-.60mm-2-BLEM	S312-.60mm-4-BLEM	\$28.27	\$30.59
0.65	1.95	3.00	1.50	S312-.65mm-2-BLEM	S312-.65mm-4-BLEM	\$28.27	\$30.59
0.70	2.10	3.00	1.50	S312-.70mm-2-BLEM	S312-.70mm-4-BLEM	\$28.27	\$30.59
0.75	2.25	3.00	1.50	S312-.75mm-2-BLEM	S312-.75mm-4-BLEM	\$25.30	\$27.61
0.80	2.40	3.00	1.50	S312-.80mm-2-BLEM	S312-.80mm-4-BLEM	\$25.30	\$27.61
0.85	2.55	3.00	1.50	S312-.85mm-2-BLEM	S312-.85mm-4-BLEM	\$25.30	\$27.61
0.90	2.70	3.00	1.50	S312-.90mm-2-BLEM	S312-.90mm-4-BLEM	\$23.95	\$26.26
0.95	2.85	3.00	1.50	S312-.95mm-2-BLEM	S312-.95mm-4-BLEM	\$23.95	\$26.26
1.00	3.00	3.00	1.50	S312-1.00mm-2-BLEM	S312-1.00mm-4-BLEM	\$23.95	\$26.26
1.25	3.75	3.00	1.50	S312-1.25mm-2-BLEM	S312-1.25mm-4-BLEM	\$23.95	\$26.26
1.50	4.50	3.00	1.50	S312-1.50mm-2-BLEM	S312-1.50mm-4-BLEM	\$23.09	\$25.40
1.75	5.25	3.00	1.50	S312-1.75mm-2-BLEM	S312-1.75mm-4-BLEM	\$23.09	\$25.40
2.00	6.00	3.00	1.50	S312-2.00mm-2-BLEM	S312-2.00mm-4-BLEM	\$23.09	\$25.40
2.25	6.75	3.00	1.50	S312-2.25mm-2-BLEM	S312-2.25mm-4-BLEM	\$23.09	\$25.40
2.50	7.50	3.00	1.50	S312-2.50mm-2-BLEM	S312-2.50mm-4-BLEM	\$23.09	\$25.40
2.75	8.25	3.00	1.50	S312-2.75mm-2-BLEM	S312-2.75mm-4-BLEM	\$23.09	\$25.40
3.00	9.00	3.00	1.50	S312-3.00mm-2-BLEM	S312-3.00mm-4-BLEM	\$23.09	\$25.40



MITGI RESULTS: Service and Performance

"As always, your tools, delivery, service, and tool performance, were wonderful. I can't tell you enough what a pleasure it is to do business with MITGI."

We currently utilize a number of different suppliers, but your service is unparalleled. I love your new tools; they blow the doors off of everyone else."
- Chad



S277

Square Variable Helix Micro End Mills

**FLUTES
3,4**

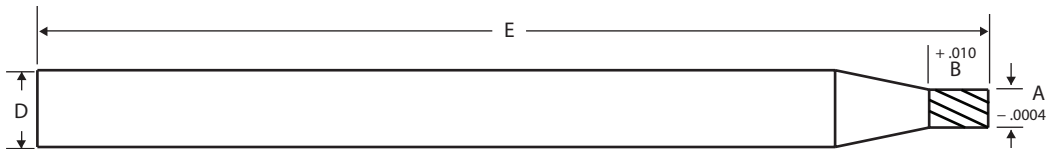
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.031 (1/32)	0.047	0.125	1.50	S277-031-3-VHSM	S277-031-4-VHSM	\$26.26	\$28.50
0.035	0.053	0.125	1.50	S277-035-3-VHSM	S277-035-4-VHSM	\$26.26	\$28.50
0.039 (1mm)	0.059	0.125	1.50	S277-039-3-VHSM	S277-039-4-VHSM	\$26.26	\$28.50
0.040	0.060	0.125	1.50	S277-040-3-VHSM	S277-040-4-VHSM	\$26.26	\$28.50
0.045	0.068	0.125	1.50	S277-045-3-VHSM	S277-045-4-VHSM	\$26.26	\$28.50
0.047 (3/64)	0.071	0.125	1.50	S277-047-3-VHSM	S277-047-4-VHSM	\$26.26	\$28.50
0.050	0.075	0.125	1.50	S277-050-3-VHSM	S277-050-4-VHSM	\$26.26	\$28.50
0.055	0.083	0.125	1.50	S277-055-3-VHSM	S277-055-4-VHSM	\$26.26	\$28.50
0.060	0.090	0.125	1.50	S277-060-3-VHSM	S277-060-4-VHSM	\$26.26	\$28.50
0.062 (1/16)	0.093	0.125	1.50	S277-062-3-VHSM	S277-062-4-VHSM	\$24.42	\$26.66
0.065	0.098	0.125	1.50	S277-065-3-VHSM	S277-065-4-VHSM	\$24.42	\$26.66
0.070	0.105	0.125	1.50	S277-070-3-VHSM	S277-070-4-VHSM	\$24.42	\$26.66
0.075	0.113	0.125	1.50	S277-075-3-VHSM	S277-075-4-VHSM	\$24.42	\$26.66
0.078 (5/64)	0.117	0.125	1.50	S277-078-3-VHSM	S277-078-4-VHSM	\$24.42	\$26.66
0.080	0.120	0.125	1.50	S277-080-3-VHSM	S277-080-4-VHSM	\$24.42	\$26.66
0.085	0.128	0.125	1.50	S277-085-3-VHSM	S277-085-4-VHSM	\$24.42	\$26.66
0.090	0.135	0.125	1.50	S277-090-3-VHSM	S277-090-4-VHSM	\$24.42	\$26.66
0.093 (3/32)	0.140	0.125	1.50	S277-093-3-VHSM	S277-093-4-VHSM	\$24.42	\$26.66
0.095	0.143	0.125	1.50	S277-095-3-VHSM	S277-095-4-VHSM	\$24.42	\$26.66
0.100	0.150	0.125	1.50	S277-100-3-VHSM	S277-100-4-VHSM	\$24.42	\$26.66
0.118 (3mm)	0.177	0.125	1.50	S277-118-3-VHSM	S277-118-4-VHSM	\$24.42	\$26.66
0.125 (1/8)	0.188	0.125	1.50	S277-125-3-VHSM	S277-125-4-VHSM	\$24.42	\$26.66



S278

Square Variable Helix Micro End Mills

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.031 (1/32)	0.093	0.125	1.50	S278-031-3-VHSM	S278-031-4-VHSM	\$26.26	\$28.50
0.035	0.105	0.125	1.50	S278-035-3-VHSM	S278-035-4-VHSM	\$26.26	\$28.50
0.039 (1mm)	0.117	0.125	1.50	S278-039-3-VHSM	S278-039-4-VHSM	\$26.26	\$28.50
0.040	0.120	0.125	1.50	S278-040-3-VHSM	S278-040-4-VHSM	\$26.26	\$28.50
0.045	0.135	0.125	1.50	S278-045-3-VHSM	S278-045-4-VHSM	\$26.26	\$28.50
0.047 (3/64)	0.141	0.125	1.50	S278-047-3-VHSM	S278-047-4-VHSM	\$26.26	\$28.50
0.050	0.150	0.125	1.50	S278-050-3-VHSM	S278-050-4-VHSM	\$26.26	\$28.50
0.055	0.165	0.125	1.50	S278-055-3-VHSM	S278-055-4-VHSM	\$26.26	\$28.50

Square Variable Helix Micro End Mills (con't)

S278

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.060	0.180	0.125	1.50	S278-060-3-VHSM	S278-060-4-VHSM	\$26.26	\$28.50
0.062 (1/16)	0.187	0.125	1.50	S278-062-3-VHSM	S278-062-4-VHSM	\$24.42	\$26.66
0.065	0.195	0.125	1.50	S278-065-3-VHSM	S278-065-4-VHSM	\$24.42	\$26.66
0.070	0.210	0.125	1.50	S278-070-3-VHSM	S278-070-4-VHSM	\$24.42	\$26.66
0.075	0.225	0.125	1.50	S278-075-3-VHSM	S278-075-4-VHSM	\$24.42	\$26.66
0.078 (5/64)	0.234	0.125	1.50	S278-078-3-VHSM	S278-078-4-VHSM	\$24.42	\$26.66
0.080	0.240	0.125	1.50	S278-080-3-VHSM	S278-080-4-VHSM	\$24.42	\$26.66
0.085	0.255	0.125	1.50	S278-085-3-VHSM	S278-085-4-VHSM	\$24.42	\$26.66
0.090	0.270	0.125	1.50	S278-090-3-VHSM	S278-090-4-VHSM	\$24.42	\$26.66
0.093 (3/32)	0.279	0.125	1.50	S278-093-3-VHSM	S278-093-4-VHSM	\$24.42	\$26.66
0.095	0.285	0.125	1.50	S278-095-3-VHSM	S278-095-4-VHSM	\$24.42	\$26.66
0.100	0.300	0.125	1.50	S278-100-3-VHSM	S278-100-4-VHSM	\$24.42	\$26.66
0.118 (3mm)	0.354	0.125	1.50	S278-118-3-VHSM	S278-118-4-VHSM	\$24.42	\$26.66
0.125 (1/8)	0.375	0.125	1.50	S278-125-3-VHSM	S278-125-4-VHSM	\$24.42	\$26.66

FLUTES
3,4

3X
LENGTH
OF CUT

VARIABLE
HELIX

SWISS-TYPE
OAL

QUICK TURN
SPECIALS

Square Variable Helix Micro End Mills

S279

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.031 (1/32)	0.155	0.125	2.50	S279-031-3-VHSM	S279-031-4-VHSM	\$35.46	\$37.81
0.035	0.175	0.125	2.50	S279-035-3-VHSM	S279-035-4-VHSM	\$35.46	\$37.81
0.039 (1mm)	0.195	0.125	2.50	S279-039-3-VHSM	S279-039-4-VHSM	\$35.46	\$37.81
0.040	0.200	0.125	2.50	S279-040-3-VHSM	S279-040-4-VHSM	\$35.46	\$37.81
0.045	0.225	0.125	2.50	S279-045-3-VHSM	S279-045-4-VHSM	\$35.46	\$37.81
0.047 (3/64)	0.235	0.125	2.50	S279-047-3-VHSM	S279-047-4-VHSM	\$35.46	\$37.81
0.050	0.250	0.125	2.50	S279-050-3-VHSM	S279-050-4-VHSM	\$35.46	\$37.81
0.055	0.275	0.125	2.50	S279-055-3-VHSM	S279-055-4-VHSM	\$35.46	\$37.81
0.060	0.300	0.125	2.50	S279-060-3-VHSM	S279-060-4-VHSM	\$35.46	\$37.81
0.062 (1/16)	0.310	0.125	2.50	S279-062-3-VHSM	S279-062-4-VHSM	\$34.16	\$36.51
0.065	0.325	0.125	2.50	S279-065-3-VHSM	S279-065-4-VHSM	\$34.16	\$36.51
0.070	0.350	0.125	2.50	S279-070-3-VHSM	S279-070-4-VHSM	\$34.16	\$36.51
0.075	0.375	0.125	2.50	S279-075-3-VHSM	S279-075-4-VHSM	\$34.16	\$36.51
0.078 (5/64)	0.390	0.125	2.50	S279-078-3-VHSM	S279-078-4-VHSM	\$34.16	\$36.51
0.080	0.400	0.125	2.50	S279-080-3-VHSM	S279-080-4-VHSM	\$34.16	\$36.51
0.085	0.425	0.125	2.50	S279-085-3-VHSM	S279-085-4-VHSM	\$34.16	\$36.51
0.090	0.450	0.125	2.50	S279-090-3-VHSM	S279-090-4-VHSM	\$34.16	\$36.51
0.093 (3/32)	0.465	0.125	2.50	S279-093-3-VHSM	S279-093-4-VHSM	\$34.16	\$36.51
0.095	0.475	0.125	2.50	S279-095-3-VHSM	S279-095-4-VHSM	\$34.16	\$36.51
0.100	0.500	0.125	2.50	S279-100-3-VHSM	S279-100-4-VHSM	\$34.16	\$36.51
0.118 (3mm)	0.590	0.125	2.50	S279-118-3-VHSM	S279-118-4-VHSM	\$34.16	\$36.51
0.125 (1/8)	0.625	0.125	2.50	S279-125-3-VHSM	S279-125-4-VHSM	\$34.16	\$36.51

FLUTES
3,4

5X
LENGTH
OF CUT

VARIABLE
HELIX

SWISS-TYPE
OAL

QUICK TURN
SPECIALS



S286

Corner Radius Variable Helix Micro End Mills

**FLUTES
3,4**

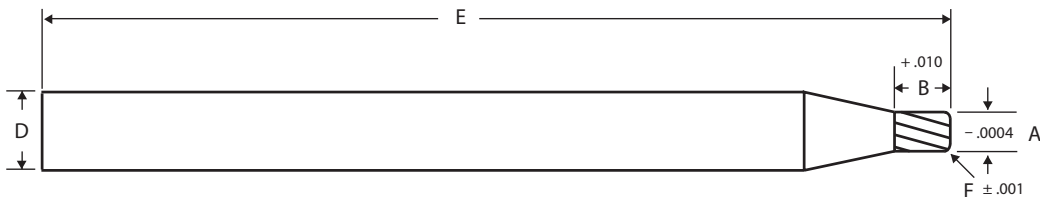
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F				
0.031 (1/32)	0.047	0.125	1.50	0.005	S286-031-3-.005R-VHCM	S286-031-4-.005R-VHCM	\$33.60	\$35.84
0.035	0.053	0.125	1.50	0.005	S286-035-3-.005R-VHCM	S286-035-4-.005R-VHCM	\$29.23	\$31.47
0.039 (1mm)	0.059	0.125	1.50	0.005	S286-039-3-.005R-VHCM	S286-039-4-.005R-VHCM	\$29.23	\$31.47
0.040	0.060	0.125	1.50	0.005	S286-040-3-.005R-VHCM	S286-040-4-.005R-VHCM	\$29.23	\$31.47
0.045	0.068	0.125	1.50	0.005	S286-045-3-.005R-VHCM	S286-045-4-.005R-VHCM	\$29.23	\$31.47
0.047 (3/64)	0.071	0.125	1.50	0.005	S286-047-3-.005R-VHCM	S286-047-4-.005R-VHCM	\$29.23	\$31.47
0.050	0.075	0.125	1.50	0.005	S286-050-3-.005R-VHCM	S286-050-4-.005R-VHCM	\$29.23	\$31.47
0.055	0.083	0.125	1.50	0.005	S286-055-3-.005R-VHCM	S286-055-4-.005R-VHCM	\$29.23	\$31.47
0.060	0.090	0.125	1.50	0.005	S286-060-3-.005R-VHCM	S286-060-4-.005R-VHCM	\$29.23	\$31.47
0.062 (1/16)	0.093	0.125	1.50	0.005	S286-062-3-.005R-VHCM	S286-062-4-.005R-VHCM	\$27.50	\$29.74
0.065	0.098	0.125	1.50	0.005	S286-065-3-.005R-VHCM	S286-065-4-.005R-VHCM	\$27.50	\$29.74
0.070	0.105	0.125	1.50	0.005	S286-070-3-.005R-VHCM	S286-070-4-.005R-VHCM	\$27.50	\$29.74
0.070	0.105	0.125	1.50	0.010	S286-070-3-.010R-VHCM	S286-070-4-.010R-VHCM	\$27.50	\$29.74
0.075	0.113	0.125	1.50	0.005	S286-075-3-.005R-VHCM	S286-075-4-.005R-VHCM	\$27.50	\$29.74
0.075	0.113	0.125	1.50	0.010	S286-075-3-.010R-VHCM	S286-075-4-.010R-VHCM	\$27.50	\$29.74
0.078 (5/64)	0.117	0.125	1.50	0.005	S286-078-3-.005R-VHCM	S286-078-4-.005R-VHCM	\$27.50	\$29.74
0.078 (5/64)	0.117	0.125	1.50	0.010	S286-078-3-.010R-VHCM	S286-078-4-.010R-VHCM	\$27.50	\$29.74
0.080	0.120	0.125	1.50	0.005	S286-080-3-.005R-VHCM	S286-080-4-.005R-VHCM	\$27.50	\$29.74
0.080	0.120	0.125	1.50	0.010	S286-080-3-.010R-VHCM	S286-080-4-.010R-VHCM	\$27.50	\$29.74
0.085	0.128	0.125	1.50	0.005	S286-085-3-.005R-VHCM	S286-085-4-.005R-VHCM	\$27.50	\$29.74
0.085	0.128	0.125	1.50	0.010	S286-085-3-.010R-VHCM	S286-085-4-.010R-VHCM	\$27.50	\$29.74
0.090	0.135	0.125	1.50	0.005	S286-090-3-.005R-VHCM	S286-090-4-.005R-VHCM	\$27.50	\$29.74
0.090	0.135	0.125	1.50	0.010	S286-090-3-.010R-VHCM	S286-090-4-.010R-VHCM	\$27.50	\$29.74
0.093 (3/32)	0.140	0.125	1.50	0.005	S286-093-3-.005R-VHCM	S286-093-4-.005R-VHCM	\$27.50	\$29.74
0.093 (3/32)	0.140	0.125	1.50	0.010	S286-093-3-.010R-VHCM	S286-093-4-.010R-VHCM	\$27.50	\$29.74
0.095	0.143	0.125	1.50	0.005	S286-095-3-.005R-VHCM	S286-095-4-.005R-VHCM	\$27.50	\$29.74
0.095	0.143	0.125	1.50	0.010	S286-095-3-.010R-VHCM	S286-095-4-.010R-VHCM	\$27.50	\$29.74
0.100	0.150	0.125	1.50	0.005	S286-100-3-.005R-VHCM	S286-100-4-.005R-VHCM	\$27.50	\$29.74
0.100	0.150	0.125	1.50	0.010	S286-100-3-.010R-VHCM	S286-100-4-.010R-VHCM	\$27.50	\$29.74
0.100	0.150	0.125	1.50	0.015	S286-100-3-.015R-VHCM	S286-100-4-.015R-VHCM	\$27.50	\$29.74
0.118 (3mm)	0.177	0.125	1.50	0.005	S286-118-3-.005R-VHCM	S286-118-4-.005R-VHCM	\$27.50	\$29.74
0.118 (3mm)	0.177	0.125	1.50	0.010	S286-118-3-.010R-VHCM	S286-118-4-.010R-VHCM	\$27.50	\$29.74
0.118 (3mm)	0.177	0.125	1.50	0.015	S286-118-3-.015R-VHCM	S286-118-4-.015R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.188	0.125	1.50	0.005	S286-125-3-.005R-VHCM	S286-125-4-.005R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.188	0.125	1.50	0.010	S286-125-3-.010R-VHCM	S286-125-4-.010R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.188	0.125	1.50	0.015	S286-125-3-.015R-VHCM	S286-125-4-.015R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.188	0.125	1.50	0.020	S286-125-3-.020R-VHCM	S286-125-4-.020R-VHCM	\$27.50	\$29.74



Corner Radius Variable Helix Micro End Mills

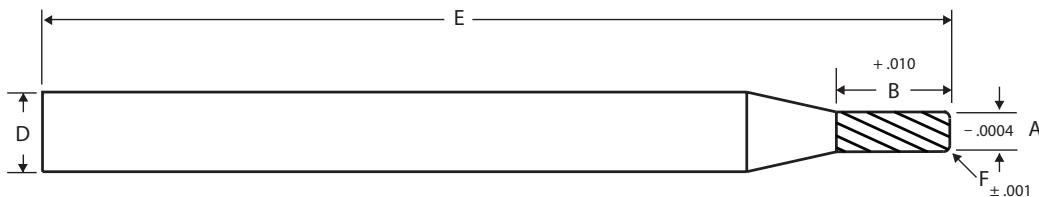
S287
**FLUTES
3,4**
**3X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**SWISS-TYPE
OAL**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F				
0.031 (1/32)	0.093	0.125	1.50	0.005	S287-031-3-.005R-VHCM	S287-031-4-.005R-VHCM	\$33.60	\$35.84
0.035	0.105	0.125	1.50	0.005	S287-035-3-.005R-VHCM	S287-035-4-.005R-VHCM	\$29.23	\$31.47
0.039 (1mm)	0.117	0.125	1.50	0.005	S287-039-3-.005R-VHCM	S287-039-4-.005R-VHCM	\$29.23	\$31.47
0.040	0.120	0.125	1.50	0.005	S287-040-3-.005R-VHCM	S287-040-4-.005R-VHCM	\$29.23	\$31.47
0.045	0.135	0.125	1.50	0.005	S287-045-3-.005R-VHCM	S287-045-4-.005R-VHCM	\$29.23	\$31.47
0.047 (3/64)	0.141	0.125	1.50	0.005	S287-047-3-.005R-VHCM	S287-047-4-.005R-VHCM	\$29.23	\$31.47
0.050	0.150	0.125	1.50	0.005	S287-050-3-.005R-VHCM	S287-050-4-.005R-VHCM	\$29.23	\$31.47
0.055	0.165	0.125	1.50	0.005	S287-055-3-.005R-VHCM	S287-055-4-.005R-VHCM	\$29.23	\$31.47
0.060	0.180	0.125	1.50	0.005	S287-060-3-.005R-VHCM	S287-060-4-.005R-VHCM	\$29.23	\$31.47
0.062 (1/16)	0.187	0.125	1.50	0.005	S287-062-3-.005R-VHCM	S287-062-4-.005R-VHCM	\$27.50	\$29.74
0.065	0.195	0.125	1.50	0.005	S287-065-3-.005R-VHCM	S287-065-4-.005R-VHCM	\$27.50	\$29.74
0.070	0.210	0.125	1.50	0.005	S287-070-3-.005R-VHCM	S287-070-4-.005R-VHCM	\$27.50	\$29.74
0.070	0.210	0.125	1.50	0.010	S287-070-3-.010R-VHCM	S287-070-4-.010R-VHCM	\$27.50	\$29.74
0.075	0.225	0.125	1.50	0.005	S287-075-3-.005R-VHCM	S287-075-4-.005R-VHCM	\$27.50	\$29.74
0.075	0.225	0.125	1.50	0.010	S287-075-3-.010R-VHCM	S287-075-4-.010R-VHCM	\$27.50	\$29.74
0.078 (5/64)	0.234	0.125	1.50	0.005	S287-078-3-.005R-VHCM	S287-078-4-.005R-VHCM	\$27.50	\$29.74
0.078 (5/64)	0.234	0.125	1.50	0.010	S287-078-3-.010R-VHCM	S287-078-4-.010R-VHCM	\$27.50	\$29.74
0.080	0.240	0.125	1.50	0.005	S287-080-3-.005R-VHCM	S287-080-4-.005R-VHCM	\$27.50	\$29.74
0.080	0.240	0.125	1.50	0.010	S287-080-3-.010R-VHCM	S287-080-4-.010R-VHCM	\$27.50	\$29.74
0.085	0.255	0.125	1.50	0.005	S287-085-3-.005R-VHCM	S287-085-4-.005R-VHCM	\$27.50	\$29.74
0.085	0.255	0.125	1.50	0.010	S287-085-3-.010R-VHCM	S287-085-4-.010R-VHCM	\$27.50	\$29.74
0.090	0.270	0.125	1.50	0.005	S287-090-3-.005R-VHCM	S287-090-4-.005R-VHCM	\$27.50	\$29.74
0.090	0.270	0.125	1.50	0.010	S287-090-3-.010R-VHCM	S287-090-4-.010R-VHCM	\$27.50	\$29.74
0.093 (3/32)	0.279	0.125	1.50	0.005	S287-093-3-.005R-VHCM	S287-093-4-.005R-VHCM	\$27.50	\$29.74
0.093 (3/32)	0.279	0.125	1.50	0.010	S287-093-3-.010R-VHCM	S287-093-4-.010R-VHCM	\$27.50	\$29.74
0.095	0.285	0.125	1.50	0.005	S287-095-3-.005R-VHCM	S287-095-4-.005R-VHCM	\$27.50	\$29.74
0.095	0.285	0.125	1.50	0.010	S287-095-3-.010R-VHCM	S287-095-4-.010R-VHCM	\$27.50	\$29.74
0.100	0.300	0.125	1.50	0.005	S287-100-3-.005R-VHCM	S287-100-4-.005R-VHCM	\$27.50	\$29.74
0.100	0.300	0.125	1.50	0.010	S287-100-3-.010R-VHCM	S287-100-4-.010R-VHCM	\$27.50	\$29.74
0.100	0.300	0.125	1.50	0.015	S287-100-3-.015R-VHCM	S287-100-4-.015R-VHCM	\$27.50	\$29.74
0.118 (3mm)	0.354	0.125	1.50	0.005	S287-118-3-.005R-VHCM	S287-118-4-.005R-VHCM	\$27.50	\$29.74
0.118 (3mm)	0.354	0.125	1.50	0.010	S287-118-3-.010R-VHCM	S287-118-4-.010R-VHCM	\$27.50	\$29.74
0.118 (3mm)	0.354	0.125	1.50	0.015	S287-118-3-.015R-VHCM	S287-118-4-.015R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.375	0.125	1.50	0.005	S287-125-3-.005R-VHCM	S287-125-4-.005R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.375	0.125	1.50	0.010	S287-125-3-.010R-VHCM	S287-125-4-.010R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.375	0.125	1.50	0.015	S287-125-3-.015R-VHCM	S287-125-4-.015R-VHCM	\$27.50	\$29.74
0.125 (1/8)	0.375	0.125	1.50	0.020	S287-125-3-.020R-VHCM	S287-125-4-.020R-VHCM	\$27.50	\$29.74



S288

Corner Radius Variable Helix Micro End Mills

**FLUTES
3,4**

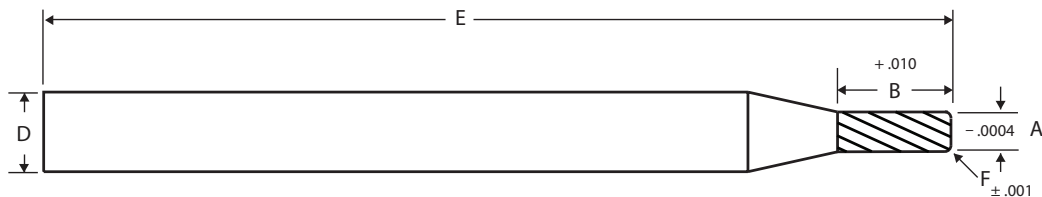
**5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F				
0.031 (1/32)	0.155	0.125	2.50	0.005	S288-031-3-.005R-VHCM	S288-031-4-.005R-VHCM	\$36.69	\$39.04
0.035	0.175	0.125	2.50	0.005	S288-035-3-.005R-VHCM	S288-035-4-.005R-VHCM	\$36.69	\$39.04
0.039 (1mm)	0.195	0.125	2.50	0.005	S288-039-3-.005R-VHCM	S288-039-4-.005R-VHCM	\$36.69	\$39.04
0.040	0.200	0.125	2.50	0.005	S288-040-3-.005R-VHCM	S288-040-4-.005R-VHCM	\$36.69	\$39.04
0.045	0.225	0.125	2.50	0.005	S288-045-3-.005R-VHCM	S288-045-4-.005R-VHCM	\$36.69	\$39.04
0.047 (3/64)	0.235	0.125	2.50	0.005	S288-047-3-.005R-VHCM	S288-047-4-.005R-VHCM	\$36.69	\$39.04
0.050	0.250	0.125	2.50	0.005	S288-050-3-.005R-VHCM	S288-050-4-.005R-VHCM	\$36.69	\$39.04
0.055	0.275	0.125	2.50	0.005	S288-055-3-.005R-VHCM	S288-055-4-.005R-VHCM	\$36.69	\$39.04
0.060	0.300	0.125	2.50	0.005	S288-060-3-.005R-VHCM	S288-060-4-.005R-VHCM	\$36.69	\$39.04
0.062 (1/16)	0.310	0.125	2.50	0.005	S288-062-3-.005R-VHCM	S288-062-4-.005R-VHCM	\$35.17	\$37.52
0.065	0.325	0.125	2.50	0.005	S288-065-3-.005R-VHCM	S288-065-4-.005R-VHCM	\$35.17	\$37.52
0.070	0.350	0.125	2.50	0.005	S288-070-3-.005R-VHCM	S288-070-4-.005R-VHCM	\$35.17	\$37.52
0.070	0.350	0.125	2.50	0.015	S288-070-3-.015R-VHCM	S288-070-4-.015R-VHCM	\$35.17	\$37.52
0.075	0.375	0.125	2.50	0.005	S288-075-3-.005R-VHCM	S288-075-4-.005R-VHCM	\$35.17	\$37.52
0.075	0.375	0.125	2.50	0.010	S288-075-3-.010R-VHCM	S288-075-4-.010R-VHCM	\$35.17	\$37.52
0.078 (5/64)	0.390	0.125	2.50	0.005	S288-078-3-.005R-VHCM	S288-078-4-.005R-VHCM	\$35.17	\$37.52
0.078 (5/64)	0.390	0.125	2.50	0.010	S288-078-3-.010R-VHCM	S288-078-4-.010R-VHCM	\$35.17	\$37.52
0.080	0.400	0.125	2.50	0.005	S288-080-3-.005R-VHCM	S288-080-4-.005R-VHCM	\$35.17	\$37.52
0.080	0.400	0.125	2.50	0.010	S288-080-3-.010R-VHCM	S288-080-4-.010R-VHCM	\$35.17	\$37.52
0.085	0.425	0.125	2.50	0.005	S288-085-3-.005R-VHCM	S288-085-4-.005R-VHCM	\$35.17	\$37.52
0.085	0.425	0.125	2.50	0.010	S288-085-3-.010R-VHCM	S288-085-4-.010R-VHCM	\$35.17	\$37.52
0.090	0.450	0.125	2.50	0.005	S288-090-3-.005R-VHCM	S288-090-4-.005R-VHCM	\$35.17	\$37.52
0.090	0.450	0.125	2.50	0.010	S288-090-3-.010R-VHCM	S288-090-4-.010R-VHCM	\$35.17	\$37.52
0.093 (3/32)	0.465	0.125	2.50	0.005	S288-093-3-.005R-VHCM	S288-093-4-.005R-VHCM	\$35.17	\$37.52
0.093 (3/32)	0.465	0.125	2.50	0.010	S288-093-3-.010R-VHCM	S288-093-4-.010R-VHCM	\$35.17	\$37.52
0.095	0.475	0.125	2.50	0.005	S288-095-3-.005R-VHCM	S288-095-4-.005R-VHCM	\$35.17	\$37.52
0.095	0.475	0.125	2.50	0.010	S288-095-3-.010R-VHCM	S288-095-4-.010R-VHCM	\$35.17	\$37.52
0.100	0.500	0.125	2.50	0.005	S288-100-3-.005R-VHCM	S288-100-4-.005R-VHCM	\$35.17	\$37.52
0.100	0.500	0.125	2.50	0.010	S288-100-3-.010R-VHCM	S288-100-4-.010R-VHCM	\$35.17	\$37.52
0.100	0.500	0.125	2.50	0.015	S288-100-3-.015R-VHCM	S288-100-4-.015R-VHCM	\$35.17	\$37.52
0.118 (3mm)	0.590	0.125	2.50	0.005	S288-118-3-.005R-VHCM	S288-118-4-.005R-VHCM	\$35.17	\$37.52
0.118 (3mm)	0.590	0.125	2.50	0.010	S288-118-3-.010R-VHCM	S288-118-4-.010R-VHCM	\$35.17	\$37.52
0.118 (3mm)	0.590	0.125	2.50	0.015	S288-118-3-.015R-VHCM	S288-118-4-.015R-VHCM	\$35.17	\$37.52
0.125 (1/8)	0.625	0.125	2.50	0.005	S288-125-3-.005R-VHCM	S288-125-4-.005R-VHCM	\$35.17	\$37.52
0.125 (1/8)	0.625	0.125	2.50	0.010	S288-125-3-.010R-VHCM	S288-125-4-.010R-VHCM	\$35.17	\$37.52
0.125 (1/8)	0.625	0.125	2.50	0.015	S288-125-3-.015R-VHCM	S288-125-4-.015R-VHCM	\$35.17	\$37.52
0.125 (1/8)	0.625	0.125	2.50	0.020	S288-125-3-.020R-VHCM	S288-125-4-.020R-VHCM	\$35.17	\$37.52





DEPENDABILITY

Manufacturers face increasingly tight production schedules and cannot afford downtime. MITGI understands that short lead times and the ability to deliver tools on time are essential to keep lines running and efficient. Our teams keep both your lead times and tool specs in mind when quoting, manufacturing, and delivering your tools. MITGI delivers performance and timelines you can depend on.

ON-SITE MANUFACTURING

Companies that specialize in medical device manufacturing, aerospace, automotive, and all forms of precision manufacturing require tools with tight tolerances that are often hard to make. On-site manufacturing gives MITGI the ability to assess complex applications with our technical team and gives us flexibility in scheduling to meet customer demand. Our shop is well-equipped with an array of machines, inspection equipment, and experienced staff. This means that MITGI is capable and ready to make the tools you need, when you need them, and are well-positioned to support your growth.



RELIABLE SERVICE & SUPPORT

PERFORMANCE DRIVEN INNOVATION

Many of our customers first came to us to make tools that other manufacturers could not provide or when available lead times were too long. We're skilled at solving problems like these and we like knowing that the tools we manufacture help to empower innovation and performance in manufacturing facilities across the U.S. and throughout the world.

TECHNICAL SUPPORT

Precision manufacturing requires tools that ensure repeatable performance, can handle complex manufacturing tasks, and help to boost productivity. MITGI employs service and support teams who can help solve tool problems that are difficult to assess or manufacture. Our teams are adept at helping to solve technical issues remotely or on-site, depending on location.

Contact MITGI for more information.



S300

Ball Variable Helix Micro End Mills

FLUTES
3,4

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

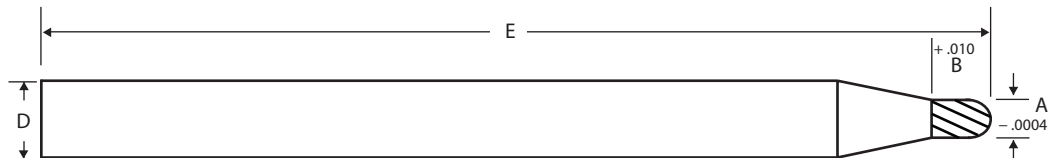
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.031 (1/32)	0.047	0.125	1.50	S300-031-3-VHBM	S300-031-4-VHBM	\$33.45	\$35.81
0.035	0.053	0.125	1.50	S300-035-3-VHBM	S300-035-4-VHBM	\$33.45	\$35.81
0.039 (1mm)	0.059	0.125	1.50	S300-039-3-VHBM	S300-039-4-VHBM	\$33.45	\$35.81
0.040	0.060	0.125	1.50	S300-040-3-VHBM	S300-040-4-VHBM	\$33.45	\$35.81
0.045	0.068	0.125	1.50	S300-045-3-VHBM	S300-045-4-VHBM	\$33.45	\$35.81
0.047 (3/64)	0.071	0.125	1.50	S300-047-3-VHBM	S300-047-4-VHBM	\$33.45	\$35.81
0.050	0.075	0.125	1.50	S300-050-3-VHBM	S300-050-4-VHBM	\$33.45	\$35.81
0.055	0.083	0.125	1.50	S300-055-3-VHBM	S300-055-4-VHBM	\$33.45	\$35.81
0.060	0.090	0.125	1.50	S300-060-3-VHBM	S300-060-4-VHBM	\$33.45	\$35.81
0.062 (1/16)	0.093	0.125	1.50	S300-062-3-VHBM	S300-062-4-VHBM	\$31.17	\$33.52
0.065	0.098	0.125	1.50	S300-065-3-VHBM	S300-065-4-VHBM	\$31.17	\$33.52
0.070	0.105	0.125	1.50	S300-070-3-VHBM	S300-070-4-VHBM	\$31.17	\$33.52
0.075	0.113	0.125	1.50	S300-075-3-VHBM	S300-075-4-VHBM	\$31.17	\$33.52
0.078 (5/64)	0.117	0.125	1.50	S300-078-3-VHBM	S300-078-4-VHBM	\$31.17	\$33.52
0.080	0.120	0.125	1.50	S300-080-3-VHBM	S300-080-4-VHBM	\$31.17	\$33.52
0.085	0.128	0.125	1.50	S300-085-3-VHBM	S300-085-4-VHBM	\$31.17	\$33.52
0.090	0.135	0.125	1.50	S300-090-3-VHBM	S300-090-4-VHBM	\$31.17	\$33.52
0.093 (3/32)	0.140	0.125	1.50	S300-093-3-VHBM	S300-093-4-VHBM	\$31.17	\$33.52
0.095	0.143	0.125	1.50	S300-095-3-VHBM	S300-095-4-VHBM	\$31.17	\$33.52
0.100	0.150	0.125	1.50	S300-100-3-VHBM	S300-100-4-VHBM	\$31.17	\$33.52
0.118 (3mm)	0.177	0.125	1.50	S300-118-3-VHBM	S300-118-4-VHBM	\$31.17	\$33.52
0.125 (1/8)	0.188	0.125	1.50	S300-125-3-VHBM	S300-125-4-VHBM	\$31.17	\$33.52



S301

Ball Variable Helix Micro End Mills

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.031 (1/32)	0.093	0.125	1.50	S301-031-3-VHBM	S301-031-4-VHBM	\$33.45	\$35.81
0.035	0.105	0.125	1.50	S301-035-3-VHBM	S301-035-4-VHBM	\$33.45	\$35.81
0.039 (1mm)	0.117	0.125	1.50	S301-039-3-VHBM	S301-039-4-VHBM	\$33.45	\$35.81
0.040	0.120	0.125	1.50	S301-040-3-VHBM	S301-040-4-VHBM	\$33.45	\$35.81
0.045	0.135	0.125	1.50	S301-045-3-VHBM	S301-045-4-VHBM	\$33.45	\$35.81
0.047 (3/64)	0.141	0.125	1.50	S301-047-3-VHBM	S301-047-4-VHBM	\$33.45	\$35.81
0.050	0.150	0.125	1.50	S301-050-3-VHBM	S301-050-4-VHBM	\$33.45	\$35.81
0.055	0.165	0.125	1.50	S301-055-3-VHBM	S301-055-4-VHBM	\$33.45	\$35.81

Ball Variable Helix Micro End Mills (con't)

S301

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.060	0.180	0.125	1.50	S301-060-3-VHBM	S301-060-4-VHBM	\$33.45	\$35.81
0.062 (1/16)	0.187	0.125	1.50	S301-062-3-VHBM	S301-062-4-VHBM	\$31.17	\$33.52
0.065	0.195	0.125	1.50	S301-065-3-VHBM	S301-065-4-VHBM	\$31.17	\$33.52
0.070	0.210	0.125	1.50	S301-070-3-VHBM	S301-070-4-VHBM	\$31.17	\$33.52
0.075	0.225	0.125	1.50	S301-075-3-VHBM	S301-075-4-VHBM	\$31.17	\$33.52
0.078 (5/64)	0.234	0.125	1.50	S301-078-3-VHBM	S301-078-4-VHBM	\$31.17	\$33.52
0.080	0.240	0.125	1.50	S301-080-3-VHBM	S301-080-4-VHBM	\$31.17	\$33.52
0.085	0.255	0.125	1.50	S301-085-3-VHBM	S301-085-4-VHBM	\$31.17	\$33.52
0.090	0.270	0.125	1.50	S301-090-3-VHBM	S301-090-4-VHBM	\$31.17	\$33.52
0.093 (3/32)	0.279	0.125	1.50	S301-093-3-VHBM	S301-093-4-VHBM	\$31.17	\$33.52
0.095	0.285	0.125	1.50	S301-095-3-VHBM	S301-095-4-VHBM	\$31.17	\$33.52
0.100	0.300	0.125	1.50	S301-100-3-VHBM	S301-100-4-VHBM	\$31.17	\$33.52
0.118 (3mm)	0.354	0.125	1.50	S301-118-3-VHBM	S301-118-4-VHBM	\$31.17	\$33.52
0.125 (1/8)	0.375	0.125	1.50	S301-125-3-VHBM	S301-125-4-VHBM	\$31.17	\$33.52

**FLUTES
3,4**
**3X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**SWISS-TYPE
OAL**

**QUICK TURN
SPECIALS**

Ball Variable Helix Micro End Mills

S302

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.031 (1/32)	0.155	0.125	2.50	S302-031-3-VHBM	S302-031-4-VHBM	\$41.87	\$44.22
0.035	0.175	0.125	2.50	S302-035-3-VHBM	S302-035-4-VHBM	\$41.87	\$44.22
0.039 (1mm)	0.195	0.125	2.50	S302-039-3-VHBM	S302-039-4-VHBM	\$41.87	\$44.22
0.040	0.200	0.125	2.50	S302-040-3-VHBM	S302-040-4-VHBM	\$41.87	\$44.22
0.045	0.225	0.125	2.50	S302-045-3-VHBM	S302-045-4-VHBM	\$41.87	\$44.22
0.047 (3/64)	0.235	0.125	2.50	S302-047-3-VHBM	S302-047-4-VHBM	\$41.87	\$44.22
0.050	0.250	0.125	2.50	S302-050-3-VHBM	S302-050-4-VHBM	\$41.87	\$44.22
0.055	0.275	0.125	2.50	S302-055-3-VHBM	S302-055-4-VHBM	\$41.87	\$44.22
0.060	0.300	0.125	2.50	S302-060-3-VHBM	S302-060-4-VHBM	\$41.87	\$44.22
0.062 (1/16)	0.310	0.125	2.50	S302-062-3-VHBM	S302-062-4-VHBM	\$39.75	\$42.10
0.065	0.325	0.125	2.50	S302-065-3-VHBM	S302-065-4-VHBM	\$39.75	\$42.10
0.070	0.350	0.125	2.50	S302-070-3-VHBM	S302-070-4-VHBM	\$39.75	\$42.10
0.075	0.375	0.125	2.50	S302-075-3-VHBM	S302-075-4-VHBM	\$39.75	\$42.10
0.078 (5/64)	0.390	0.125	2.50	S302-078-3-VHBM	S302-078-4-VHBM	\$39.75	\$42.10
0.080	0.400	0.125	2.50	S302-080-3-VHBM	S302-080-4-VHBM	\$39.75	\$42.10
0.085	0.425	0.125	2.50	S302-085-3-VHBM	S302-085-4-VHBM	\$39.75	\$42.10
0.090	0.450	0.125	2.50	S302-090-3-VHBM	S302-090-4-VHBM	\$39.75	\$42.10
0.093 (3/32)	0.465	0.125	2.50	S302-093-3-VHBM	S302-093-4-VHBM	\$39.75	\$42.10
0.095	0.475	0.125	2.50	S302-095-3-VHBM	S302-095-4-VHBM	\$39.75	\$42.10
0.100	0.500	0.125	2.50	S302-100-3-VHBM	S302-100-4-VHBM	\$39.75	\$42.10
0.118 (3mm)	0.590	0.125	2.50	S302-118-3-VHBM	S302-118-4-VHBM	\$39.75	\$42.10
0.125 (1/8)	0.625	0.125	2.50	S302-125-3-VHBM	S302-125-4-VHBM	\$39.75	\$42.10

**FLUTES
3,4**
**5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**SWISS-TYPE
OAL**

**QUICK TURN
SPECIALS**


S131

Micro Drills

FLUTES
2

5X
FLUTE
LENGTH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AITIN Coated Price
A	B	D	E					
0.0040	0.020	0.125	1.50	2	S131-004-118-5X	S131-004-140-5X	\$36.85	\$39.16
0.0050	0.025	0.125	1.50	2	S131-005-118-5X	S131-005-140-5X	\$36.85	\$39.16
0.0060	0.030	0.125	1.50	2	S131-006-118-5X	S131-006-140-5X	\$36.85	\$39.16
0.0070	0.035	0.125	1.50	2	S131-007-118-5X	S131-007-140-5X	\$36.85	\$39.16
0.0080	0.040	0.125	1.50	2	S131-008-118-5X	S131-008-140-5X	\$28.64	\$30.95
0.0090	0.045	0.125	1.50	2	S131-009-118-5X	S131-009-140-5X	\$28.64	\$30.95
0.0100	0.050	0.125	1.50	2	S131-010-118-5X	S131-010-140-5X	\$28.64	\$30.95
0.0110	0.055	0.125	1.50	2	S131-011-118-5X	S131-011-140-5X	\$28.64	\$30.95
0.0120	0.060	0.125	1.50	2	S131-012-118-5X	S131-012-140-5X	\$28.64	\$30.95
0.0130	0.065	0.125	1.50	2	S131-013-118-5X	S131-013-140-5X	\$28.64	\$30.95
0.0140	0.070	0.125	1.50	2	S131-014-118-5X	S131-014-140-5X	\$24.43	\$26.74
0.0156 (1/64)	0.078	0.125	1.50	2	S131-015-118-5X	S131-015-140-5X	\$24.43	\$26.74
0.0160	0.080	0.125	1.50	2	S131-016-118-5X	S131-016-140-5X	\$24.43	\$26.74
0.0170	0.085	0.125	1.50	2	S131-017-118-5X	S131-017-140-5X	\$24.43	\$26.74
0.0180	0.090	0.125	1.50	2	S131-018-118-5X	S131-018-140-5X	\$22.41	\$24.72
0.0190	0.095	0.125	1.50	2	S131-019-118-5X	S131-019-140-5X	\$22.41	\$24.72
0.0200	0.100	0.125	1.50	2	S131-020-118-5X	S131-020-140-5X	\$22.41	\$24.72
0.0210	0.105	0.125	1.50	2	S131-021-118-5X	S131-021-140-5X	\$22.41	\$24.72
0.0220	0.110	0.125	1.50	2	S131-022-118-5X	S131-022-140-5X	\$22.41	\$24.72
0.0230	0.115	0.125	1.50	2	S131-023-118-5X	S131-023-140-5X	\$22.41	\$24.72
0.0240	0.120	0.125	1.50	2	S131-024-118-5X	S131-024-140-5X	\$22.41	\$24.72
0.0250	0.125	0.125	1.50	2	S131-025-118-5X	S131-025-140-5X	\$22.41	\$24.72
0.0260	0.130	0.125	1.50	2	S131-026-118-5X	S131-026-140-5X	\$22.41	\$24.72
0.0270	0.135	0.125	1.50	2	S131-027-118-5X	S131-027-140-5X	\$22.41	\$24.72
0.0280	0.140	0.125	1.50	2	S131-028-118-5X	S131-028-140-5X	\$22.41	\$24.72
0.0290	0.145	0.125	1.50	2	S131-029-118-5X	S131-029-140-5X	\$22.41	\$24.72
0.0300	0.150	0.125	1.50	2	S131-030-118-5X	S131-030-140-5X	\$22.41	\$24.72
0.0313 (1/32)	0.156	0.125	1.50	2	S131-031-118-5X	S131-031-140-5X	\$21.43	\$23.74
0.0350	0.175	0.125	1.50	2	S131-035-118-5X	S131-035-140-5X	\$21.43	\$23.74
0.0400	0.200	0.125	1.50	2	S131-040-118-5X	S131-040-140-5X	\$21.43	\$23.74
0.0450	0.225	0.125	1.50	2	S131-045-118-5X	S131-045-140-5X	\$21.43	\$23.74
0.0469 (3/64)	0.235	0.125	1.50	2	S131-047-118-5X	S131-047-140-5X	\$21.43	\$23.74
0.0500	0.250	0.125	1.50	2	S131-050-118-5X	S131-050-140-5X	\$21.43	\$23.74
0.0550	0.275	0.125	1.50	2	S131-055-118-5X	S131-055-140-5X	\$21.43	\$23.74
0.0600	0.300	0.125	1.50	2	S131-060-118-5X	S131-060-140-5X	\$21.43	\$23.74
0.0625 (1/16)	0.313	0.125	2.00	2	S131-062-118-5X	S131-062-140-5X	\$21.43	\$23.74
0.0650	0.325	0.125	2.00	2	S131-065-118-5X	S131-065-140-5X	\$21.43	\$23.74
0.0700	0.350	0.125	2.00	2	S131-070-118-5X	S131-070-140-5X	\$21.43	\$23.74
0.0750	0.375	0.125	2.00	2	S131-075-118-5X	S131-075-140-5X	\$21.43	\$23.74
0.0781 (5/64)	0.391	0.125	2.00	2	S131-078-118-5X	S131-078-140-5X	\$21.43	\$23.74
0.0800	0.400	0.125	2.00	2	S131-080-118-5X	S131-080-140-5X	\$21.43	\$23.74
0.0850	0.425	0.125	2.00	2	S131-085-118-5X	S131-085-140-5X	\$21.43	\$23.74

Micro Drills

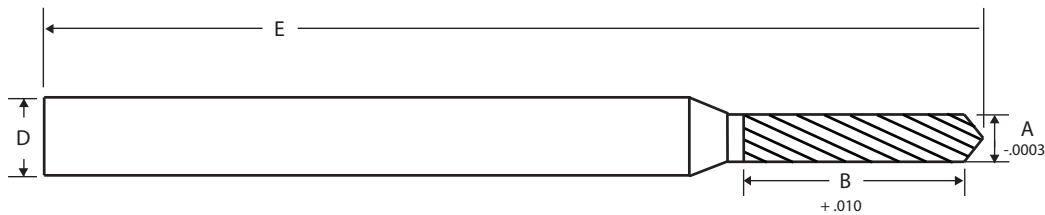
S131

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.0900	0.450	0.125	2.00	2	S131-090-118-5X	S131-090-140-5X	\$21.4	\$23.74
0.0938 (3/32)	0.469	0.125	2.00	2	S131-093-118-5X	S131-093-140-5X	\$21.43	\$23.74
0.0950	0.475	0.125	2.00	2	S131-095-118-5X	S131-095-140-5X	\$21.43	\$23.74
0.1000	0.500	0.125	2.00	2	S131-100-118-5X	S131-100-140-5X	\$21.43	\$23.74
0.1050	0.525	0.125	2.00	2	S131-105-118-5X	S131-105-140-5X	\$21.43	\$23.74
0.1094 (7/64)	0.547	0.125	2.00	2	S131-109-118-5X	S131-109-140-5X	\$21.43	\$23.74
0.1100	0.550	0.125	2.00	2	S131-110-118-5X	S131-110-140-5X	\$21.43	\$23.74
0.1150	0.575	0.125	2.00	2	S131-115-118-5X	S131-115-140-5X	\$21.43	\$23.74
0.1200	0.600	0.125	2.00	2	S131-120-118-5X	S131-120-140-5X	\$21.43	\$23.74
0.1250 (1/8)	0.625	0.1875	2.00	2	S131-125-118-5X	S131-125-140-5X	\$23.74	\$28.82

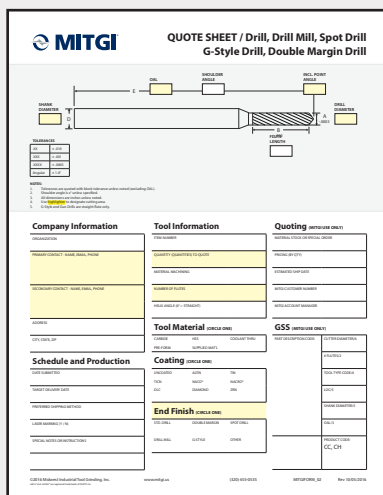
**FLUTES
2**
**5X
FLUTE
LENGTH**

CIRCULAR

**SWISS-TYPE
OAL**

**QUICK TURN
SPECIALS**


Custom Drills



MITGI QUOTE SHEET / Drill, Drill Mill, Spot Drill, G-Style Drill, Double Margin Drill

COMPANY INFORMATION

TOOL INFORMATION

QUOTING

Schedule and Production

Coating

End Finish

**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances and flute types vary by design
- Custom drill types: Drills, Spot Drills, G-Style Drills, Double Margin Drills, Spade Drills
- Specs include shoulder angle, flute length, included point angle, and drill diameter
- Extended reach and extended flute length options
- Specials usually available in two weeks or less

**Quote forms available on our website and upon request.
Contact us for an estimate today.**



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PHONE: (320) 455-0535

WWW.MITGI.US

97

S132

Micro Drills

FLUTES
2

8X
FLUTE
LENGTH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AITIN Coated Price
A	B	D	E					
0.0040	0.032	0.125	1.50	2	S132-004-118-8X	S132-004-140-8X	\$36.85	\$39.16
0.0050	0.040	0.125	1.50	2	S132-005-118-8X	S132-005-140-8X	\$36.85	\$39.16
0.0060	0.048	0.125	1.50	2	S132-006-118-8X	S132-006-140-8X	\$36.85	\$39.16
0.0070	0.056	0.125	1.50	2	S132-007-118-8X	S132-007-140-8X	\$36.85	\$39.16
0.0080	0.064	0.125	1.50	2	S132-008-118-8X	S132-008-140-8X	\$28.64	\$30.95
0.0090	0.072	0.125	1.50	2	S132-009-118-8X	S132-009-140-8X	\$28.64	\$30.95
0.0100	0.080	0.125	1.50	2	S132-010-118-8X	S132-010-140-8X	\$28.64	\$30.95
0.0110	0.088	0.125	1.50	2	S132-011-118-8X	S132-011-140-8X	\$28.64	\$30.95
0.0120	0.096	0.125	1.50	2	S132-012-118-8X	S132-012-140-8X	\$28.64	\$30.95
0.0130	0.104	0.125	1.50	2	S132-013-118-8X	S132-013-140-8X	\$28.64	\$30.95
0.0140	0.112	0.125	1.50	2	S132-014-118-8X	S132-014-140-8X	\$24.43	\$26.74
0.0156 (1/64)	0.125	0.125	1.50	2	S132-015-118-8X	S132-015-140-8X	\$24.43	\$26.74
0.0160	0.128	0.125	1.50	2	S132-016-118-8X	S132-016-140-8X	\$24.43	\$26.74
0.0170	0.136	0.125	1.50	2	S132-017-118-8X	S132-017-140-8X	\$24.43	\$26.74
0.0180	0.144	0.125	1.50	2	S132-018-118-8X	S132-018-140-8X	\$22.41	\$24.72
0.0190	0.152	0.125	1.50	2	S132-019-118-8X	S132-019-140-8X	\$22.41	\$24.72
0.0200	0.160	0.125	1.50	2	S132-020-118-8X	S132-020-140-8X	\$22.41	\$24.72
0.0210	0.168	0.125	1.50	2	S132-021-118-8X	S132-021-140-8X	\$22.41	\$24.72
0.0220	0.176	0.125	1.50	2	S132-022-118-8X	S132-022-140-8X	\$22.41	\$24.72
0.0230	0.184	0.125	1.50	2	S132-023-118-8X	S132-023-140-8X	\$22.41	\$24.72
0.0240	0.192	0.125	1.50	2	S132-024-118-8X	S132-024-140-8X	\$22.41	\$24.72
0.0250	0.200	0.125	1.50	2	S132-025-118-8X	S132-025-140-8X	\$22.41	\$24.72
0.0260	0.208	0.125	1.50	2	S132-026-118-8X	S132-026-140-8X	\$22.41	\$24.72
0.0270	0.216	0.125	1.50	2	S132-027-118-8X	S132-027-140-8X	\$22.41	\$24.72
0.0280	0.224	0.125	1.50	2	S132-028-118-8X	S132-028-140-8X	\$22.41	\$24.72
0.0290	0.232	0.125	1.50	2	S132-029-118-8X	S132-029-140-8X	\$22.41	\$24.72
0.0300	0.240	0.125	1.50	2	S132-030-118-8X	S132-030-140-8X	\$22.41	\$24.72
0.0313 (1/32)	0.250	0.125	1.50	2	S132-031-118-8X	S132-031-140-8X	\$21.43	\$23.74
0.0350	0.280	0.125	1.50	2	S132-035-118-8X	S132-035-140-8X	\$21.43	\$23.74
0.0400	0.320	0.125	1.50	2	S132-040-118-8X	S132-040-140-8X	\$21.43	\$23.74
0.0450	0.360	0.125	1.50	2	S132-045-118-8X	S132-045-140-8X	\$21.43	\$23.74
0.0469 (3/64)	0.375	0.125	1.50	2	S132-047-118-8X	S132-047-140-8X	\$21.43	\$23.74
0.0500	0.400	0.125	1.50	2	S132-050-118-8X	S132-050-140-8X	\$21.43	\$23.74
0.0550	0.440	0.125	1.50	2	S132-055-118-8X	S132-055-140-8X	\$21.43	\$23.74
0.0600	0.480	0.125	1.50	2	S132-060-118-8X	S132-060-140-8X	\$21.43	\$23.74
0.0625 (1/16)	0.500	0.125	2.00	2	S132-062-118-8X	S132-062-140-8X	\$21.43	\$23.74
0.0650	0.520	0.125	2.00	2	S132-065-118-8X	S132-065-140-8X	\$21.43	\$23.74
0.0700	0.560	0.125	2.00	2	S132-070-118-8X	S132-070-140-8X	\$21.43	\$23.74
0.0750	0.600	0.125	2.00	2	S132-075-118-8X	S132-075-140-8X	\$21.43	\$23.74
0.0781 (5/64)	0.625	0.125	2.00	2	S132-078-118-8X	S132-078-140-8X	\$21.43	\$23.74
0.0800	0.640	0.125	2.00	2	S132-080-118-8X	S132-080-140-8X	\$21.43	\$23.74
0.0850	0.680	0.125	2.00	2	S132-085-118-8X	S132-085-140-8X	\$21.43	\$23.74

Micro Drills

S132

FLUTES
2

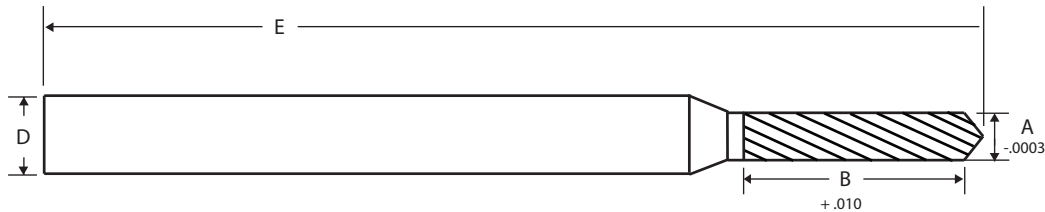
8X
FLUTE
LENGTH

C
CIRCULAR

+

Q
QUICK TURN
SPECIALS

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.0900	0.720	0.125	2.00	2	S132-090-118-8X	S132-090-140-8X	\$21.43	\$23.74
0.0938 (3/32)	0.750	0.125	2.00	2	S132-093-118-8X	S132-093-140-8X	\$21.43	\$23.74
0.0950	0.760	0.125	2.00	2	S132-095-118-8X	S132-095-140-8X	\$21.43	\$23.74
0.1000	0.800	0.125	2.00	2	S132-100-118-8X	S132-100-140-8X	\$21.43	\$23.74
0.1050	0.840	0.125	2.00	2	S132-105-118-8X	S132-105-140-8X	\$21.43	\$23.74
0.1094 (7/64)	0.875	0.125	2.00	2	S132-109-118-8X	S132-109-140-8X	\$21.43	\$23.74
0.1100	0.880	0.125	2.00	2	S132-110-118-8X	S132-110-140-8X	\$21.43	\$23.74
0.1150	0.920	0.125	2.00	2	S132-115-118-8X	S132-115-140-8X	\$21.43	\$23.74
0.1200	0.960	0.125	2.00	2	S132-120-118-8X	S132-120-140-8X	\$21.43	\$23.74
0.1250 (1/8)	1.000	0.1875	2.00	2	S132-125-118-8X	S132-125-140-8X	\$23.74	\$28.82



MANUFACTURED BY MITGI: Stocking Options and Blanket Purchase Orders

Avoid long lead times or back order situations by ensuring that the tools you need are always in stock and ready to ship.

Once an order has been placed, those tools can be stocked and available for reorder. By establishing minimum inventory levels, custom tools can be stocked and ready for same day shipment.

Blanket POs allow you to schedule tools for regular delivery while taking advantage of the lower price point available when ordering in larger quantities.

Ready to get started? See page 2 for contact information.



S133

Micro Drills

FLUTES
2

12X
FLUTE
LENGTH


CIRCULAR


SWISS-TYPE
OAL


QUICK TURN
SPECIALS

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AITIN Coated Price
A	B	D	E					
0.0040	0.048	0.125	1.50	2	S133-004-118-12X	S133-004-140-12X	\$39.16	\$41.47
0.0050	0.060	0.125	1.50	2	S133-005-118-12X	S133-005-140-12X	\$39.16	\$41.47
0.0060	0.072	0.125	1.50	2	S133-006-118-12X	S133-006-140-12X	\$39.16	\$41.47
0.0070	0.084	0.125	1.50	2	S133-007-118-12X	S133-007-140-12X	\$39.16	\$41.47
0.0080	0.096	0.125	1.50	2	S133-008-118-12X	S133-008-140-12X	\$30.95	\$33.26
0.0090	0.108	0.125	1.50	2	S133-009-118-12X	S133-009-140-12X	\$30.95	\$33.26
0.0100	0.120	0.125	1.50	2	S133-010-118-12X	S133-010-140-12X	\$30.95	\$33.26
0.0110	0.132	0.125	1.50	2	S133-011-118-12X	S133-011-140-12X	\$30.95	\$33.26
0.0120	0.144	0.125	1.50	2	S133-012-118-12X	S133-012-140-12X	\$30.95	\$33.26
0.0130	0.156	0.125	1.50	2	S133-013-118-12X	S133-013-140-12X	\$30.95	\$33.26
0.0140	0.168	0.125	1.50	2	S133-014-118-12X	S133-014-140-12X	\$26.74	\$29.05
0.0156 (1/64)	0.187	0.125	1.50	2	S133-015-118-12X	S133-015-140-12X	\$26.74	\$29.05
0.0160	0.192	0.125	1.50	2	S133-016-118-12X	S133-016-140-12X	\$26.74	\$29.05
0.0170	0.204	0.125	1.50	2	S133-017-118-12X	S133-017-140-12X	\$26.74	\$29.05
0.0180	0.216	0.125	1.50	2	S133-018-118-12X	S133-018-140-12X	\$24.72	\$27.03
0.0190	0.228	0.125	1.50	2	S133-019-118-12X	S133-019-140-12X	\$24.72	\$27.03
0.0200	0.240	0.125	1.50	2	S133-020-118-12X	S133-020-140-12X	\$24.72	\$27.03
0.0210	0.252	0.125	1.50	2	S133-021-118-12X	S133-021-140-12X	\$24.72	\$27.03
0.0220	0.264	0.125	1.50	2	S133-022-118-12X	S133-022-140-12X	\$24.72	\$27.03
0.0230	0.276	0.125	1.50	2	S133-023-118-12X	S133-023-140-12X	\$24.72	\$27.03
0.0240	0.288	0.125	1.50	2	S133-024-118-12X	S133-024-140-12X	\$24.72	\$27.03
0.0250	0.300	0.125	1.50	2	S133-025-118-12X	S133-025-140-12X	\$24.72	\$27.03
0.0260	0.312	0.125	1.50	2	S133-026-118-12X	S133-026-140-12X	\$24.72	\$27.03
0.0270	0.324	0.125	1.50	2	S133-027-118-12X	S133-027-140-12X	\$24.72	\$27.03
0.0280	0.336	0.125	1.50	2	S133-028-118-12X	S133-028-140-12X	\$24.72	\$27.03
0.0290	0.348	0.125	1.50	2	S133-029-118-12X	S133-029-140-12X	\$24.72	\$27.03
0.0300	0.360	0.125	1.50	2	S133-030-118-12X	S133-030-140-12X	\$24.72	\$27.03
0.0313 (1/32)	0.376	0.125	1.50	2	S133-031-118-12X	S133-031-140-12X	\$23.74	\$26.05
0.0350	0.420	0.125	1.50	2	S133-035-118-12X	S133-035-140-12X	\$23.74	\$26.05
0.0400	0.480	0.125	1.50	2	S133-040-118-12X	S133-040-140-12X	\$23.74	\$26.05
0.0450	0.540	0.125	2.00	2	S133-045-118-12X	S133-045-140-12X	\$23.74	\$26.05
0.0469 (3/64)	0.563	0.125	2.00	2	S133-047-118-12X	S133-047-140-12X	\$23.74	\$26.05
0.0500	0.600	0.125	2.00	2	S133-050-118-12X	S133-050-140-12X	\$23.74	\$26.05
0.0550	0.660	0.125	2.00	2	S133-055-118-12X	S133-055-140-12X	\$23.74	\$26.05
0.0600	0.720	0.125	2.00	2	S133-060-118-12X	S133-060-140-12X	\$23.74	\$26.05
0.0625 (1/16)	0.750	0.125	2.00	2	S133-062-118-12X	S133-062-140-12X	\$23.74	\$26.05
0.0650	0.780	0.125	2.00	2	S133-065-118-12X	S133-065-140-12X	\$23.74	\$26.05
0.0700	0.840	0.125	2.00	2	S133-070-118-12X	S133-070-140-12X	\$23.74	\$26.05
0.0750	0.900	0.125	2.00	2	S133-075-118-12X	S133-075-140-12X	\$23.74	\$26.05
0.0781 (5/64)	0.937	0.125	2.00	2	S133-078-118-12X	S133-078-140-12X	\$23.74	\$26.05
0.0800	0.960	0.125	2.00	2	S133-080-118-12X	S133-080-140-12X	\$23.74	\$26.05
0.0850	1.020	0.125	2.50	2	S133-085-118-12X	S133-085-140-12X	\$24.31	\$26.62

Micro Drills

S133

FLUTES
2

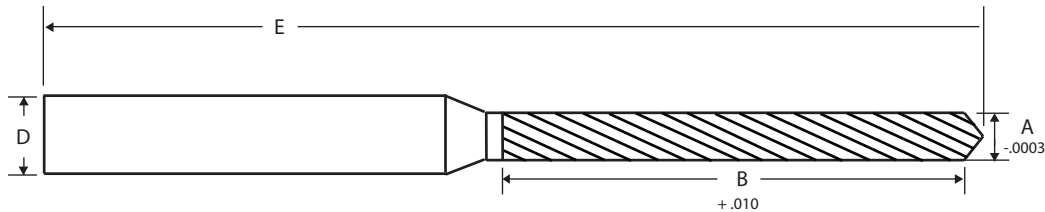
12X
FLUTE
LENGTH

C
CIRCULAR

+

Q
QUICK TURN
SPECIALS

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.0900	1.080	0.125	2.50	2	S133-090-118-12X	S133-090-140-12X	\$24.31	\$26.62
0.0938 (3/32)	1.126	0.125	2.50	2	S133-093-118-12X	S133-093-140-12X	\$24.31	\$26.62
0.0950	1.140	0.125	2.50	2	S133-095-118-12X	S133-095-140-12X	\$24.31	\$26.62
0.1000	1.200	0.125	2.50	2	S133-100-118-12X	S133-100-140-12X	\$24.31	\$26.62
0.1050	1.260	0.125	2.50	2	S133-105-118-12X	S133-105-140-12X	\$24.31	\$26.62
0.1094 (7/64)	1.313	0.125	2.50	2	S133-109-118-12X	S133-109-140-12X	\$24.31	\$26.62
0.1100	1.320	0.125	2.50	2	S133-110-118-12X	S133-110-140-12X	\$24.31	\$26.62
0.1150	1.380	0.125	2.50	2	S133-115-118-12X	S133-115-140-12X	\$24.31	\$26.62
0.1200	1.440	0.125	2.50	2	S133-120-118-12X	S133-120-140-12X	\$24.31	\$26.62
0.1250 (1/8)	1.500	0.1875	2.50	2	S133-125-118-12X	S133-125-140-12X	\$26.62	\$31.70



MANUFACTURED BY MITGI: Selecting the Right Tool for the Job

On-site manufacturing means that MITGI can be your one-stop shop for both standards and specials. How do you know which is better for the job at hand?

To determine which option is the best for each job, consider the following:

- Is there a MITGI standard tool that meets all of the job requirements?
- How complex is the part?
- What's the scale of the project?
- Would making changes to a standard tool increase tool life or save production time?

Ready to get started? See page 2 for contact information.



S134

Micro Drills

**FLUTES
2**

**15X
FLUTE
LENGTH**



Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AITIN Coated Price
A	B	D	E					
0.0040	0.060	0.125	1.50	2	S134-004-118-15X	S134-004-140-15X	\$41.47	\$43.78
0.0050	0.075	0.125	1.50	2	S134-005-118-15X	S134-005-140-15X	\$41.47	\$43.78
0.0060	0.090	0.125	1.50	2	S134-006-118-15X	S134-006-140-15X	\$41.47	\$43.78
0.0070	0.105	0.125	1.50	2	S134-007-118-15X	S134-007-140-15X	\$41.47	\$43.78
0.0080	0.120	0.125	1.50	2	S134-008-118-15X	S134-008-140-15X	\$33.26	\$35.57
0.0090	0.135	0.125	1.50	2	S134-009-118-15X	S134-009-140-15X	\$33.26	\$35.57
0.0100	0.150	0.125	1.50	2	S134-010-118-15X	S134-010-140-15X	\$33.26	\$35.57
0.0110	0.165	0.125	1.50	2	S134-011-118-15X	S134-011-140-15X	\$33.26	\$35.57
0.0120	0.180	0.125	1.50	2	S134-012-118-15X	S134-012-140-15X	\$33.26	\$35.57
0.0130	0.195	0.125	1.50	2	S134-013-118-15X	S134-013-140-15X	\$33.26	\$35.57
0.0140	0.210	0.125	1.50	2	S134-014-118-15X	S134-014-140-15X	\$29.05	\$31.36
0.0156 (1/64)	0.234	0.125	1.50	2	S134-015-118-15X	S134-015-140-15X	\$29.05	\$31.36
0.0160	0.240	0.125	1.50	2	S134-016-118-15X	S134-016-140-15X	\$29.05	\$31.36
0.0170	0.255	0.125	1.50	2	S134-017-118-15X	S134-017-140-15X	\$29.05	\$31.36
0.0180	0.270	0.125	1.50	2	S134-018-118-15X	S134-018-140-15X	\$27.03	\$29.34
0.0190	0.285	0.125	1.50	2	S134-019-118-15X	S134-019-140-15X	\$27.03	\$29.34
0.0200	0.300	0.125	1.50	2	S134-020-118-15X	S134-020-140-15X	\$27.03	\$29.34
0.0210	0.315	0.125	1.50	2	S134-021-118-15X	S134-021-140-15X	\$27.03	\$29.34
0.0220	0.330	0.125	1.50	2	S134-022-118-15X	S134-022-140-15X	\$27.03	\$29.34
0.0230	0.345	0.125	1.50	2	S134-023-118-15X	S134-023-140-15X	\$27.03	\$29.34
0.0240	0.360	0.125	1.50	2	S134-024-118-15X	S134-024-140-15X	\$27.03	\$29.34
0.0250	0.375	0.125	1.50	2	S134-025-118-15X	S134-025-140-15X	\$27.03	\$29.34
0.0260	0.390	0.125	1.50	2	S134-026-118-15X	S134-026-140-15X	\$27.03	\$29.34
0.0270	0.405	0.125	1.50	2	S134-027-118-15X	S134-027-140-15X	\$27.03	\$29.34
0.0280	0.420	0.125	1.50	2	S134-028-118-15X	S134-028-140-15X	\$27.03	\$29.34
0.0290	0.435	0.125	1.50	2	S134-029-118-15X	S134-029-140-15X	\$27.03	\$29.34
0.0300	0.450	0.125	1.50	2	S134-030-118-15X	S134-030-140-15X	\$27.03	\$29.34
0.0313 (1/32)	0.470	0.125	1.50	2	S134-031-118-15X	S134-031-140-15X	\$26.05	\$28.36
0.0350	0.525	0.125	2.00	2	S134-035-118-15X	S134-035-140-15X	\$26.05	\$28.36
0.0400	0.600	0.125	2.00	2	S134-040-118-15X	S134-040-140-15X	\$26.05	\$28.36
0.0450	0.675	0.125	2.00	2	S134-045-118-15X	S134-045-140-15X	\$26.05	\$28.36
0.0469 (3/64)	0.704	0.125	2.00	2	S134-047-118-15X	S134-047-140-15X	\$26.05	\$28.36
0.0500	0.750	0.125	2.00	2	S134-050-118-15X	S134-050-140-15X	\$26.05	\$28.36
0.0550	0.825	0.125	2.00	2	S134-055-118-15X	S134-055-140-15X	\$26.05	\$28.36
0.0600	0.900	0.125	2.00	2	S134-060-118-15X	S134-060-140-15X	\$26.05	\$28.36
0.0625 (1/16)	0.938	0.125	2.00	2	S134-062-118-15X	S134-062-140-15X	\$26.05	\$28.36
0.0650	0.975	0.125	2.00	2	S134-065-118-15X	S134-065-140-15X	\$26.05	\$28.36
0.0700	1.050	0.125	2.50	2	S134-070-118-15X	S134-070-140-15X	\$26.05	\$28.36
0.0750	1.125	0.125	2.50	2	S134-075-118-15X	S134-075-140-15X	\$26.05	\$28.36
0.0781 (5/64)	1.172	0.125	2.50	2	S134-078-118-15X	S134-078-140-15X	\$26.05	\$28.36
0.0800	1.200	0.125	2.50	2	S134-080-118-15X	S134-080-140-15X	\$26.05	\$28.36
0.0850	1.275	0.125	2.50	2	S134-085-118-15X	S134-085-140-15X	\$26.05	\$28.36



Micro Drills

S134

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.0900	1.350	0.125	2.50	2	S134-090-118-15X	S134-090-140-15X	\$26.05	\$28.36
0.0938 (3/32)	1.407	0.125	2.50	2	S134-093-118-15X	S134-093-140-15X	\$26.05	\$28.36
0.0950	1.425	0.125	2.50	2	S134-095-118-15X	S134-095-140-15X	\$26.05	\$28.36
0.1000	1.500	0.125	2.50	2	S134-100-118-15X	S134-100-140-15X	\$26.05	\$28.36
0.1050	1.575	0.125	3.00	2	S134-105-118-15X	S134-105-140-15X	\$26.05	\$28.36
0.1094 (7/64)	1.641	0.125	3.00	2	S134-109-118-15X	S134-109-140-15X	\$26.05	\$28.36
0.1100	1.650	0.125	3.00	2	S134-110-118-15X	S134-110-140-15X	\$26.05	\$28.36
0.1150	1.725	0.125	3.00	2	S134-115-118-15X	S134-115-140-15X	\$26.05	\$28.36
0.1200	1.800	0.125	3.00	2	S134-120-118-15X	S134-120-140-15X	\$26.05	\$28.36
0.1250 (1/8)	1.875	0.1875	3.00	2	S134-125-118-15X	S134-125-140-15X	\$28.36	\$33.44

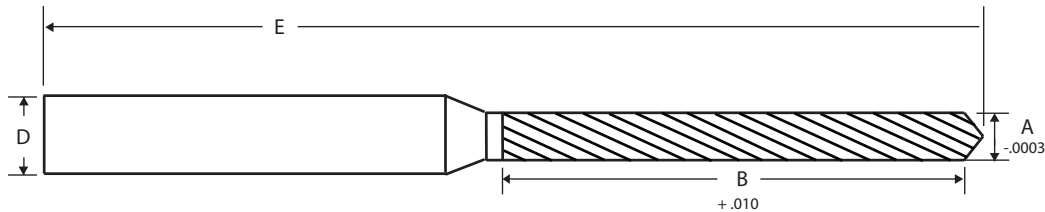
FLUTES
2

15X
FLUTE
LENGTH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS



MANUFACTURED BY MITGI: Tool Performance Review

A manufacturing process may work, but could a tooling change drive improvement?

There are many options to consider when reviewing the performance of tools with any given job. The production and design teams at MITGI work together to evaluate variables such as material being machined, existing speeds and feeds, coating, tool geometry, and application. With this information, they can help determine whether changes can be made to help increase parts per tool, improve surface finish, reduce burrs, or improve work with hard to machine materials.

Have a project you'd like to review with our team?
See page 2 for contact information.



S131

Metric Micro Drills (on Metric Shank)

FLUTES
2

5X
FLUTE
LENGTH

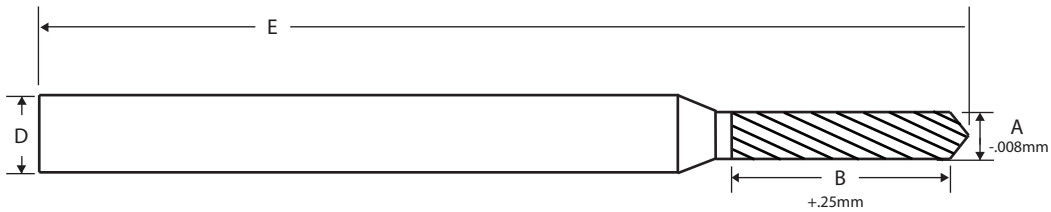
C
CIRCULAR

+

SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	Overall Length (in.)	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AITIN Coated Price
A	B	D	E					
0.15	0.75	3.00	1.50	2	S131-0.15mm-118-5X	S131-0.15mm-140-5X	\$36.85	\$39.16
0.20	1.00	3.00	1.50	2	S131-0.20mm-118-5X	S131-0.20mm-140-5X	\$28.64	\$30.95
0.25	1.25	3.00	1.50	2	S131-0.25mm-118-5X	S131-0.25mm-140-5X	\$28.64	\$30.95
0.30	1.50	3.00	1.50	2	S131-0.30mm-118-5X	S131-0.30mm-140-5X	\$28.64	\$30.95
0.35	1.75	3.00	1.50	2	S131-0.35mm-118-5X	S131-0.35mm-140-5X	\$24.43	\$26.74
0.40	2.00	3.00	1.50	2	S131-0.40mm-118-5X	S131-0.40mm-140-5X	\$24.43	\$26.74
0.45	2.25	3.00	1.50	2	S131-0.45mm-118-5X	S131-0.45mm-140-5X	\$24.43	\$26.74
0.50	2.50	3.00	1.50	2	S131-0.50mm-118-5X	S131-0.50mm-140-5X	\$22.41	\$24.72
0.55	2.75	3.00	1.50	2	S131-0.55mm-118-5X	S131-0.55mm-140-5X	\$22.41	\$24.72
0.60	3.00	3.00	1.50	2	S131-0.60mm-118-5X	S131-0.60mm-140-5X	\$22.41	\$24.72
0.65	3.25	3.00	1.50	2	S131-0.65mm-118-5X	S131-0.65mm-140-5X	\$22.41	\$24.72
0.70	3.50	3.00	1.50	2	S131-0.70mm-118-5X	S131-0.70mm-140-5X	\$22.41	\$24.72
0.75	3.75	3.00	1.50	2	S131-0.75mm-118-5X	S131-0.75mm-140-5X	\$22.41	\$24.72
0.80	4.00	3.00	1.50	2	S131-0.80mm-118-5X	S131-0.80mm-140-5X	\$21.43	\$23.74
0.85	4.25	3.00	1.50	2	S131-0.85mm-118-5X	S131-0.85mm-140-5X	\$21.43	\$23.74
0.90	4.50	3.00	1.50	2	S131-0.90mm-118-5X	S131-0.90mm-140-5X	\$21.43	\$23.74
0.95	4.75	3.00	1.50	2	S131-0.95mm-118-5X	S131-0.95mm-140-5X	\$21.43	\$23.74
1.00	5.00	3.00	1.50	2	S131-1.00mm-118-5X	S131-1.00mm-140-5X	\$21.43	\$23.74
1.25	6.25	3.00	1.50	2	S131-1.25mm-118-5X	S131-1.25mm-140-5X	\$21.43	\$23.74
1.50	7.50	3.00	1.50	2	S131-1.50mm-118-5X	S131-1.50mm-140-5X	\$21.43	\$23.74
1.75	8.75	3.00	1.50	2	S131-1.75mm-118-5X	S131-1.75mm-140-5X	\$21.43	\$23.74
2.00	10.00	3.00	1.50	2	S131-2.00mm-118-5X	S131-2.00mm-140-5X	\$21.43	\$23.74
2.25	11.25	3.00	1.50	2	S131-2.25mm-118-5X	S131-2.25mm-140-5X	\$21.43	\$23.74
2.50	12.50	3.00	1.50	2	S131-2.50mm-118-5X	S131-2.50mm-140-5X	\$21.43	\$23.74
2.75	13.75	3.00	2.00	2	S131-2.75mm-118-5X	S131-2.75mm-140-5X	\$21.43	\$23.74
3.00	15.00	4.00	2.00	2	S131-3.00mm-118-5X	S131-3.00mm-140-5X	\$23.74	\$28.82



Metric Micro Drills (on Metric Shank)

S132

Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	Overall Length (in.)	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.15	1.20	3.00	1.50	2	S132-0.15mm-118-8X	S132-0.15mm-140-8X	\$36.85	\$39.16
0.20	1.60	3.00	1.50	2	S132-0.20mm-118-8X	S132-0.20mm-140-8X	\$28.64	\$30.95
0.25	2.00	3.00	1.50	2	S132-0.25mm-118-8X	S132-0.25mm-140-8X	\$28.64	\$30.95
0.30	2.40	3.00	1.50	2	S132-0.30mm-118-8X	S132-0.30mm-140-8X	\$28.64	\$30.95
0.35	2.80	3.00	1.50	2	S132-0.35mm-118-8X	S132-0.35mm-140-8X	\$24.43	\$26.74
0.40	3.20	3.00	1.50	2	S132-0.40mm-118-8X	S132-0.40mm-140-8X	\$24.43	\$26.74
0.45	3.60	3.00	1.50	2	S132-0.45mm-118-8X	S132-0.45mm-140-8X	\$24.43	\$26.74
0.50	4.00	3.00	1.50	2	S132-0.50mm-118-8X	S132-0.50mm-140-8X	\$22.41	\$24.72
0.55	4.40	3.00	1.50	2	S132-0.55mm-118-8X	S132-0.55mm-140-8X	\$22.41	\$24.72
0.60	4.80	3.00	1.50	2	S132-0.60mm-118-8X	S132-0.60mm-140-8X	\$22.41	\$24.72
0.65	5.20	3.00	1.50	2	S132-0.65mm-118-8X	S132-0.65mm-140-8X	\$22.41	\$24.72
0.70	5.60	3.00	1.50	2	S132-0.70mm-118-8X	S132-0.70mm-140-8X	\$22.41	\$24.72
0.75	6.00	3.00	1.50	2	S132-0.75mm-118-8X	S132-0.75mm-140-8X	\$22.41	\$24.72
0.80	6.40	3.00	1.50	2	S132-0.80mm-118-8X	S132-0.80mm-140-8X	\$21.43	\$23.74
0.85	6.80	3.00	1.50	2	S132-0.85mm-118-8X	S132-0.85mm-140-8X	\$21.43	\$23.74
0.90	7.20	3.00	1.50	2	S132-0.90mm-118-8X	S132-0.90mm-140-8X	\$21.43	\$23.74
0.95	7.60	3.00	1.50	2	S132-0.95mm-118-8X	S132-0.95mm-140-8X	\$21.43	\$23.74
1.00	8.00	3.00	1.50	2	S132-1.00mm-118-8X	S132-1.00mm-140-8X	\$21.43	\$23.74
1.25	10.00	3.00	1.50	2	S132-1.25mm-118-8X	S132-1.25mm-140-8X	\$21.43	\$23.74
1.50	12.00	3.00	1.50	2	S132-1.50mm-118-8X	S132-1.50mm-140-8X	\$21.43	\$23.74
1.75	14.00	3.00	2.00	2	S132-1.75mm-118-8X	S132-1.75mm-140-8X	\$21.43	\$23.74
2.00	16.00	3.00	2.00	2	S132-2.00mm-118-8X	S132-2.00mm-140-8X	\$21.43	\$23.74
2.25	18.00	3.00	2.00	2	S132-2.25mm-118-8X	S132-2.25mm-140-8X	\$21.43	\$23.74
2.50	20.00	3.00	2.00	2	S132-2.50mm-118-8X	S132-2.50mm-140-8X	\$21.43	\$23.74
2.75	22.00	3.00	2.00	2	S132-2.75mm-118-8X	S132-2.75mm-140-8X	\$21.43	\$23.74
3.00	24.00	4.00	2.00	2	S132-3.00mm-118-8X	S132-3.00mm-140-8X	\$23.74	\$28.82

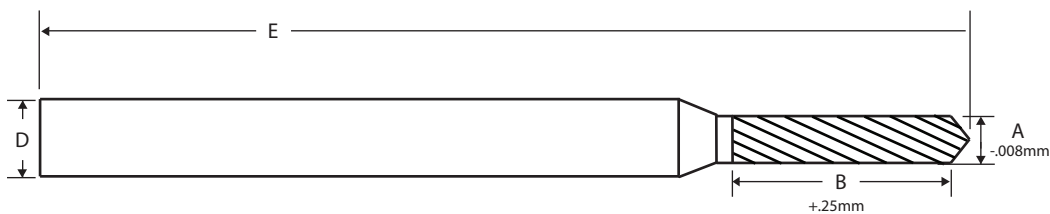
FLUTES
2

8X
FLUTE
LENGTH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS



Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.



MADE IN THE USA

MANUFACTURED BY MITGI

PHONE: (320) 455-0535

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105

S133

Metric Micro Drills (on Metric Shank)

FLUTES
2

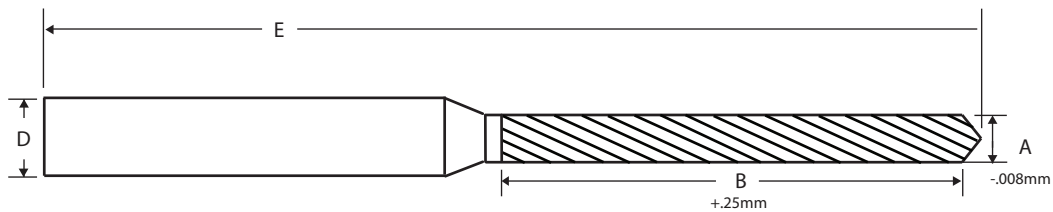
12X
FLUTE
LENGTH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	Overall Length (in.)	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AITIN Coated Price
A	B	D	E					
0.15	1.80	3.00	1.50	2	S133-0.15mm-118-12X	S133-0.15mm-140-12X	\$39.16	\$41.47
0.20	2.40	3.00	1.50	2	S133-0.20mm-118-12X	S133-0.20mm-140-12X	\$30.95	\$33.26
0.25	3.00	3.00	1.50	2	S133-0.25mm-118-12X	S133-0.25mm-140-12X	\$30.95	\$33.26
0.30	3.60	3.00	1.50	2	S133-0.30mm-118-12X	S133-0.30mm-140-12X	\$30.95	\$33.26
0.35	4.20	3.00	1.50	2	S133-0.35mm-118-12X	S133-0.35mm-140-12X	\$26.74	\$29.05
0.40	4.80	3.00	1.50	2	S133-0.40mm-118-12X	S133-0.40mm-140-12X	\$26.74	\$29.05
0.45	5.40	3.00	1.50	2	S133-0.45mm-118-12X	S133-0.45mm-140-12X	\$26.74	\$29.05
0.50	6.00	3.00	1.50	2	S133-0.50mm-118-12X	S133-0.50mm-140-12X	\$24.72	\$27.03
0.55	6.60	3.00	1.50	2	S133-0.55mm-118-12X	S133-0.55mm-140-12X	\$24.72	\$27.03
0.60	7.20	3.00	1.50	2	S133-0.60mm-118-12X	S133-0.60mm-140-12X	\$24.72	\$27.03
0.65	7.80	3.00	1.50	2	S133-0.65mm-118-12X	S133-0.65mm-140-12X	\$24.72	\$27.03
0.70	8.40	3.00	1.50	2	S133-0.70mm-118-12X	S133-0.70mm-140-12X	\$24.72	\$27.03
0.75	9.00	3.00	1.50	2	S133-0.75mm-118-12X	S133-0.75mm-140-12X	\$24.72	\$27.03
0.80	9.60	3.00	1.50	2	S133-0.80mm-118-12X	S133-0.80mm-140-12X	\$23.74	\$26.05
0.85	10.20	3.00	1.50	2	S133-0.85mm-118-12X	S133-0.85mm-140-12X	\$23.74	\$26.05
0.90	10.80	3.00	1.50	2	S133-0.90mm-118-12X	S133-0.90mm-140-12X	\$23.74	\$26.05
0.95	11.40	3.00	1.50	2	S133-0.95mm-118-12X	S133-0.95mm-140-12X	\$23.74	\$26.05
1.00	12.00	3.00	1.50	2	S133-1.00mm-118-12X	S133-1.00mm-140-12X	\$23.74	\$26.05
1.25	15.00	3.00	2.00	2	S133-1.25mm-118-12X	S133-1.25mm-140-12X	\$23.74	\$26.05
1.50	18.00	3.00	2.00	2	S133-1.50mm-118-12X	S133-1.50mm-140-12X	\$23.74	\$26.05
1.75	21.00	3.00	2.00	2	S133-1.75mm-118-12X	S133-1.75mm-140-12X	\$23.74	\$26.05
2.00	24.00	3.00	2.00	2	S133-2.00mm-118-12X	S133-2.00mm-140-12X	\$23.74	\$26.05
2.25	27.00	3.00	2.50	2	S133-2.25mm-118-12X	S133-2.25mm-140-12X	\$24.31	\$26.62
2.50	30.00	3.00	2.50	2	S133-2.50mm-118-12X	S133-2.50mm-140-12X	\$24.31	\$26.62
2.75	33.00	3.00	2.50	2	S133-2.75mm-118-12X	S133-2.75mm-140-12X	\$24.31	\$26.62
3.00	36.00	4.00	2.50	2	S133-3.00mm-118-12X	S133-3.00mm-140-12X	\$26.62	\$31.70



Metric Micro Drills (on Metric Shank)

S134

Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	Overall Length (in.)	# of Flutes	118° Drill Point Tool #	140° Drill Point Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.15	2.25	3.00	1.50	2	S134-0.15mm-118-15X	S134-0.15mm-140-15X	\$41.47	\$43.78
0.20	3.00	3.00	1.50	2	S134-0.20mm-118-15X	S134-0.20mm-140-15X	\$33.26	\$35.57
0.25	3.75	3.00	1.50	2	S134-0.25mm-118-15X	S134-0.25mm-140-15X	\$33.26	\$35.57
0.30	4.50	3.00	1.50	2	S134-0.30mm-118-15X	S134-0.30mm-140-15X	\$33.26	\$35.57
0.35	5.25	3.00	1.50	2	S134-0.35mm-118-15X	S134-0.35mm-140-15X	\$29.05	\$31.36
0.40	6.00	3.00	1.50	2	S134-0.40mm-118-15X	S134-0.40mm-140-15X	\$29.05	\$31.36
0.45	6.75	3.00	1.50	2	S134-0.45mm-118-15X	S134-0.45mm-140-15X	\$29.05	\$31.36
0.50	7.50	3.00	1.50	2	S134-0.50mm-118-15X	S134-0.50mm-140-15X	\$27.03	\$29.34
0.55	8.25	3.00	1.50	2	S134-0.55mm-118-15X	S134-0.55mm-140-15X	\$27.03	\$29.34
0.60	9.00	3.00	1.50	2	S134-0.60mm-118-15X	S134-0.60mm-140-15X	\$27.03	\$29.34
0.65	9.75	3.00	1.50	2	S134-0.65mm-118-15X	S134-0.65mm-140-15X	\$27.03	\$29.34
0.70	10.50	3.00	1.50	2	S134-0.70mm-118-15X	S134-0.70mm-140-15X	\$27.03	\$29.34
0.75	11.25	3.00	1.50	2	S134-0.75mm-118-15X	S134-0.75mm-140-15X	\$27.03	\$29.34
0.80	12.00	3.00	1.50	2	S134-0.80mm-118-15X	S134-0.80mm-140-15X	\$26.05	\$28.36
0.85	12.75	3.00	2.00	2	S134-0.85mm-118-15X	S134-0.85mm-140-15X	\$26.05	\$28.36
0.90	13.50	3.00	2.00	2	S134-0.90mm-118-15X	S134-0.90mm-140-15X	\$26.05	\$28.36
0.95	14.25	3.00	2.00	2	S134-0.95mm-118-15X	S134-0.95mm-140-15X	\$26.05	\$28.36
1.00	15.00	3.00	2.00	2	S134-1.00mm-118-15X	S134-1.00mm-140-15X	\$26.05	\$28.36
1.25	18.75	3.00	2.00	2	S134-1.25mm-118-15X	S134-1.25mm-140-15X	\$26.05	\$28.36
1.50	22.50	3.00	2.00	2	S134-1.50mm-118-15X	S134-1.50mm-140-15X	\$26.05	\$28.36
1.75	26.25	3.00	2.50	2	S134-1.75mm-118-15X	S134-1.75mm-140-15X	\$26.05	\$28.36
2.00	30.00	3.00	2.50	2	S134-2.00mm-118-15X	S134-2.00mm-140-15X	\$26.05	\$28.36
2.25	33.75	3.00	2.50	2	S134-2.25mm-118-15X	S134-2.25mm-140-15X	\$26.05	\$28.36
2.50	37.50	3.00	2.50	2	S134-2.50mm-118-15X	S134-2.50mm-140-15X	\$26.05	\$28.36
2.75	41.25	3.00	3.00	2	S134-2.75mm-118-15X	S134-2.75mm-140-15X	\$26.62	\$28.93
3.00	45.00	4.00	3.00	2	S134-3.00mm-118-15X	S134-3.00mm-140-15X	\$28.36	\$33.44

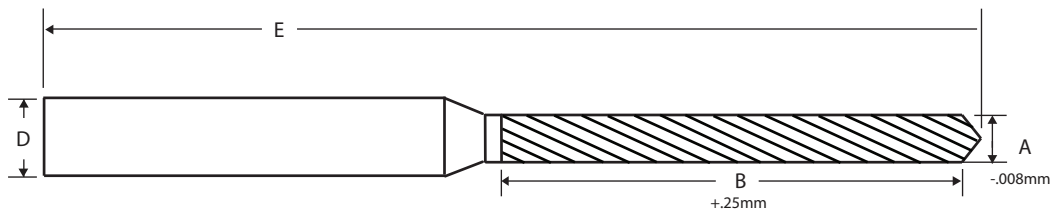
FLUTES
2

15X
FLUTE
LENGTH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS



Need your coated tool quickly? All standard tools are available AlTiN coated in 3 days or less. See page 117 for more details.



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107

S61

140° Coolant Thru Micro Drills

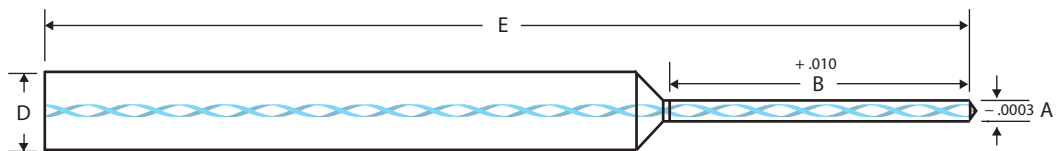
FLUTES
2

8X
FLUTE
LENGTH

COOLANT
THRU

CIRCULAR

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	140° Drill Point Tool #	AlTiN Coated Price
A	B	D	E		
0.031 (1/32)	0.248	0.125	2.00	S61-031-8X	\$164.56
0.039 (1mm)	0.312	0.125	2.00	S61-039-8X	\$164.56
0.047 (3/64)	0.376	0.125	2.00	S61-047-8X	\$164.56
0.062 (1/16)	0.496	0.125	2.00	S61-062-8X	\$164.56
0.078 (5/64)	0.624	0.125	2.00	S61-078-8X	\$175.96
0.093 (3/32)	0.744	0.125	2.00	S61-093-8X	\$175.96
0.109 (7/64)	0.872	0.125	2.50	S61-109-8X	\$183.20
0.118 (3mm)	0.944	0.125	2.50	S61-118-8X	\$183.20
0.125 (1/8)	1.000	0.1875	2.50	S61-125-8X	\$191.90



S111

140° Coolant Thru Micro Drills

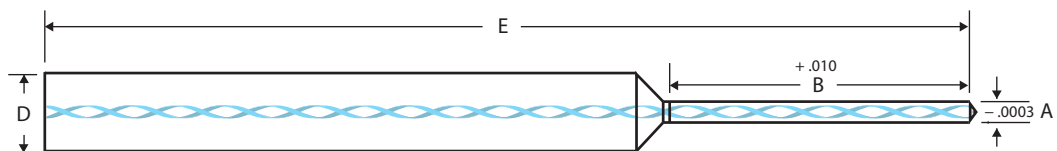
FLUTES
2

12X
FLUTE
LENGTH

COOLANT
THRU

CIRCULAR

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	140° Drill Point Tool #	AlTiN Coated Price
A	B	D	E		
0.031 (1/32)	0.372	0.125	2.00	S111-031-12X	\$177.79
0.039 (1mm)	0.468	0.125	2.00	S111-039-12X	\$177.79
0.047 (3/64)	0.564	0.125	2.00	S111-047-12X	\$177.79
0.062 (1/16)	0.744	0.125	2.00	S111-062-12X	\$177.79
0.078 (5/64)	0.936	0.125	2.50	S111-078-12X	\$193.48
0.093 (3/32)	1.116	0.125	2.50	S111-093-12X	\$193.48
0.109 (7/64)	1.308	0.125	2.50	S111-109-12X	\$193.48
0.118 (3mm)	1.416	0.125	2.50	S111-118-12X	\$193.48
0.125 (1/8)	1.500	0.1875	2.50	S111-125-12X	\$202.16



Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.

140° Metric Coolant Thru Micro Drills

S112

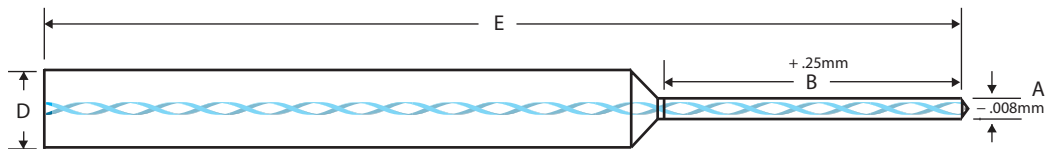
Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	Overall Length (in.)	140° Drill Point Tool #	AITIN Coated Price
A	B	D	E		
0.80	6.40	3.00	2.00	S112-0.80mm-8X	\$164.56
0.90	7.20	3.00	2.00	S112-0.90mm-8X	\$164.56
1.00	8.00	3.00	2.00	S112-1.00mm-8X	\$164.56
1.25	10.00	3.00	2.00	S112-1.25mm-8X	\$164.56
1.50	12.00	3.00	2.00	S112-1.50mm-8X	\$175.96
1.75	14.00	3.00	2.00	S112-1.75mm-8X	\$175.96
2.00	16.00	3.00	2.50	S112-2.00mm-8X	\$183.20
2.50	20.00	3.00	2.50	S112-2.50mm-8X	\$183.20
3.00	24.00	4.00	2.50	S112-3.00mm-8X	\$191.90

FLUTES
2

8X
FLUTE
LENGTH

COOLANT
THRU

C
CIRCULAR



140° Metric Coolant Thru Micro Drills

S113

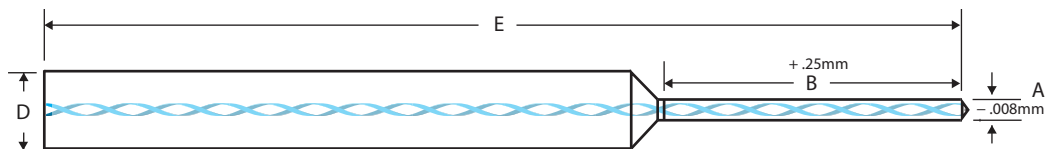
Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	Overall Length (in.)	140° Drill Point Tool #	AITIN Coated Price
A	B	D	E		
0.80	9.60	3.00	2.00	S113-0.80mm-12X	\$177.79
0.90	10.80	3.00	2.00	S113-0.90mm-12X	\$177.79
1.00	12.00	3.00	2.00	S113-1.00mm-12X	\$177.79
1.25	15.00	3.00	2.00	S113-1.25mm-12X	\$177.79
1.50	18.00	3.00	2.50	S113-1.50mm-12X	\$193.48
1.75	21.00	3.00	2.50	S113-1.75mm-12X	\$193.48
2.00	24.00	3.00	2.50	S113-2.00mm-12X	\$193.48
2.50	30.00	3.00	2.50	S113-2.50mm-12X	\$193.48
3.00	36.00	4.00	2.50	S113-3.00mm-12X	\$202.16

FLUTES
2

12X
FLUTE
LENGTH

COOLANT
THRU

C
CIRCULAR



S135

Reamers / +0.0002 Tolerance

FLUTES
2,3,4

8X
FLUTE
LENGTH

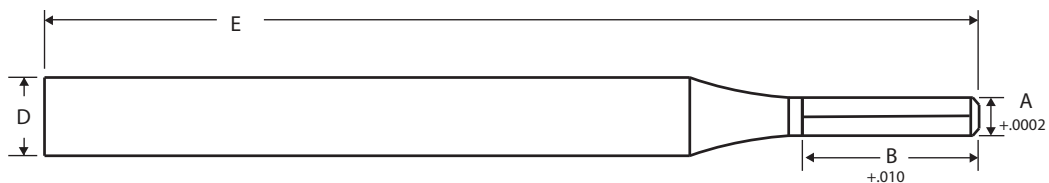
C
CIRCULAR

+

SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Flute Length	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.0050	0.040	0.125	2.00	S135-005-2-REAM8X	N/A	N/A	\$70.20	\$72.30
0.0100	0.080	0.125	2.00	S135-010-2-REAM8X	S135-010-3-REAM8X	S135-010-4-REAM8X	\$60.80	\$62.90
0.0150	0.120	0.125	2.00	S135-015-2-REAM8X	S135-015-3-REAM8X	S135-015-4-REAM8X	\$60.80	\$62.90
0.0156 (1/64)	0.125	0.125	2.00	S135-016-2-REAM8X	S135-016-3-REAM8X	S135-016-4-REAM8X	\$60.80	\$62.90
0.0200	0.160	0.125	2.00	S135-020-2-REAM8X	S135-020-3-REAM8X	S135-020-4-REAM8X	\$54.70	\$56.80
0.0250	0.200	0.125	2.00	S135-025-2-REAM8X	S135-025-3-REAM8X	S135-025-4-REAM8X	\$54.70	\$56.80
0.0300	0.240	0.125	2.00	S135-030-2-REAM8X	S135-030-3-REAM8X	S135-030-4-REAM8X	\$54.70	\$56.80
0.0313 (1/32)	0.250	0.125	2.00	S135-031-2-REAM8X	S135-031-3-REAM8X	S135-031-4-REAM8X	\$54.70	\$56.80
0.0350	0.280	0.125	2.00	S135-035-2-REAM8X	S135-035-3-REAM8X	S135-035-4-REAM8X	\$54.70	\$56.80
0.0400	0.320	0.125	2.00	S135-040-2-REAM8X	S135-040-3-REAM8X	S135-040-4-REAM8X	\$54.70	\$56.80
0.0450	0.360	0.125	2.00	S135-045-2-REAM8X	S135-045-3-REAM8X	S135-045-4-REAM8X	\$54.70	\$56.80
0.0469 (3/64)	0.375	0.125	2.00	S135-047-2-REAM8X	S135-047-3-REAM8X	S135-047-4-REAM8X	\$54.70	\$56.80
0.0500	0.400	0.125	2.00	S135-050-2-REAM8X	S135-050-3-REAM8X	S135-050-4-REAM8X	\$49.60	\$51.70
0.0550	0.440	0.125	2.00	S135-055-2-REAM8X	S135-055-3-REAM8X	S135-055-4-REAM8X	\$49.60	\$51.70
0.0600	0.480	0.125	2.00	S135-060-2-REAM8X	S135-060-3-REAM8X	S135-060-4-REAM8X	\$49.60	\$51.70
0.0625 (1/16)	0.500	0.125	2.00	S135-062-2-REAM8X	S135-062-3-REAM8X	S135-062-4-REAM8X	\$49.60	\$51.70
0.0650	0.520	0.125	2.00	S135-065-2-REAM8X	S135-065-3-REAM8X	S135-065-4-REAM8X	\$49.60	\$51.70
0.0700	0.560	0.125	2.00	S135-070-2-REAM8X	S135-070-3-REAM8X	S135-070-4-REAM8X	\$49.60	\$51.70
0.0750	0.600	0.125	2.00	S135-075-2-REAM8X	S135-075-3-REAM8X	S135-075-4-REAM8X	\$49.60	\$51.70
0.0781 (5/64)	0.625	0.125	2.00	S135-078-2-REAM8X	S135-078-3-REAM8X	S135-078-4-REAM8X	\$49.60	\$51.70
0.0800	0.640	0.125	2.50	S135-080-2-REAM8X	S135-080-3-REAM8X	S135-080-4-REAM8X	\$49.60	\$51.70
0.0850	0.680	0.125	2.50	S135-085-2-REAM8X	S135-085-3-REAM8X	S135-085-4-REAM8X	\$49.60	\$51.70
0.0900	0.720	0.125	2.50	S135-090-2-REAM8X	S135-090-3-REAM8X	S135-090-4-REAM8X	\$49.60	\$51.70
0.0938 (3/32)	0.750	0.125	2.50	S135-093-2-REAM8X	S135-093-3-REAM8X	S135-093-4-REAM8X	\$49.60	\$51.70
0.0950	0.760	0.125	2.50	S135-095-2-REAM8X	S135-095-3-REAM8X	S135-095-4-REAM8X	\$49.60	\$51.70
0.1000	0.800	0.125	2.50	S135-100-2-REAM8X	S135-100-3-REAM8X	S135-100-4-REAM8X	\$49.60	\$51.70
0.1050	0.840	0.125	2.50	S135-105-2-REAM8X	S135-105-3-REAM8X	S135-105-4-REAM8X	\$49.60	\$51.70
0.1094 (7/64)	0.875	0.125	2.50	S135-109-2-REAM8X	S135-109-3-REAM8X	S135-109-4-REAM8X	\$49.60	\$51.70
0.1100	0.880	0.125	2.50	S135-110-2-REAM8X	S135-110-3-REAM8X	S135-110-4-REAM8X	\$49.60	\$51.70
0.1150	0.920	0.125	2.50	S135-115-2-REAM8X	S135-115-3-REAM8X	S135-115-4-REAM8X	\$49.60	\$51.70
0.1200	0.960	0.125	2.50	S135-120-2-REAM8X	S135-120-3-REAM8X	S135-120-4-REAM8X	\$49.60	\$51.70
0.1250 (1/8)	1.000	0.1875	2.50	S135-125-2-REAM8X	S135-125-3-REAM8X	S135-125-4-REAM8X	\$51.60	\$56.22



Reamers / +0.0002 Tolerance

S136

Cutter Diameter	Flute Length	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E					
0.0100	0.080	0.120	0.125	2.00	S136-010-2-REAM12XR	S136-010-3-REAM12XR	S136-010-4-REAM12XR	\$68.80	\$70.90
0.0150	0.120	0.180	0.125	2.00	S136-015-2-REAM12XR	S136-015-3-REAM12XR	S136-015-4-REAM12XR	\$68.80	\$70.90
0.0156 (1/64)	0.125	0.187	0.125	2.00	S136-016-2-REAM12XR	S136-016-3-REAM12XR	S136-016-4-REAM12XR	\$68.80	\$70.90
0.0200	0.160	0.240	0.125	2.00	S136-020-2-REAM12XR	S136-020-3-REAM12XR	S136-020-4-REAM12XR	\$62.70	\$64.80
0.0250	0.200	0.300	0.125	2.00	S136-025-2-REAM12XR	S136-025-3-REAM12XR	S136-025-4-REAM12XR	\$62.70	\$64.80
0.0300	0.240	0.360	0.125	2.00	S136-030-2-REAM12XR	S136-030-3-REAM12XR	S136-030-4-REAM12XR	\$62.70	\$64.80
0.0313 (1/32)	0.250	0.376	0.125	2.00	S136-031-2-REAM12XR	S136-031-3-REAM12XR	S136-031-4-REAM12XR	\$62.70	\$64.80
0.0350	0.280	0.420	0.125	2.00	S136-035-2-REAM12XR	S136-035-3-REAM12XR	S136-035-4-REAM12XR	\$62.70	\$64.80
0.0400	0.320	0.480	0.125	2.00	S136-040-2-REAM12XR	S136-040-3-REAM12XR	S136-040-4-REAM12XR	\$62.70	\$64.80
0.0450	0.360	0.540	0.125	2.00	S136-045-2-REAM12XR	S136-045-3-REAM12XR	S136-045-4-REAM12XR	\$62.70	\$64.80
0.0469 (3/64)	0.375	0.563	0.125	2.00	S136-047-2-REAM12XR	S136-047-3-REAM12XR	S136-047-4-REAM12XR	\$62.70	\$64.80
0.0500	0.400	0.600	0.125	2.00	S136-050-2-REAM12XR	S136-050-3-REAM12XR	S136-050-4-REAM12XR	\$57.60	\$59.70
0.0550	0.440	0.660	0.125	2.00	S136-055-2-REAM12XR	S136-055-3-REAM12XR	S136-055-4-REAM12XR	\$57.60	\$59.70
0.0600	0.480	0.720	0.125	2.00	S136-060-2-REAM12XR	S136-060-3-REAM12XR	S136-060-4-REAM12XR	\$57.60	\$59.70
0.0625 (1/16)	0.500	0.750	0.125	2.00	S136-062-2-REAM12XR	S136-062-3-REAM12XR	S136-062-4-REAM12XR	\$57.60	\$59.70
0.0650	0.520	0.780	0.125	2.00	S136-065-2-REAM12XR	S136-065-3-REAM12XR	S136-065-4-REAM12XR	\$57.60	\$59.70
0.0700	0.560	0.840	0.125	2.00	S136-070-2-REAM12XR	S136-070-3-REAM12XR	S136-070-4-REAM12XR	\$57.60	\$59.70
0.0750	0.600	0.900	0.125	2.00	S136-075-2-REAM12XR	S136-075-3-REAM12XR	S136-075-4-REAM12XR	\$57.60	\$59.70
0.0781 (5/64)	0.625	0.937	0.125	2.00	S136-078-2-REAM12XR	S136-078-3-REAM12XR	S136-078-4-REAM12XR	\$57.60	\$59.70
0.0800	0.640	0.960	0.125	2.50	S136-080-2-REAM12XR	S136-080-3-REAM12XR	S136-080-4-REAM12XR	\$57.60	\$59.70
0.0850	0.680	1.020	0.125	2.50	S136-085-2-REAM12XR	S136-085-3-REAM12XR	S136-085-4-REAM12XR	\$57.60	\$59.70
0.0900	0.720	1.080	0.125	2.50	S136-090-2-REAM12XR	S136-090-3-REAM12XR	S136-090-4-REAM12XR	\$57.60	\$59.70
0.0938 (3/32)	0.750	1.126	0.125	2.50	S136-093-2-REAM12XR	S136-093-3-REAM12XR	S136-093-4-REAM12XR	\$57.60	\$59.70
0.0950	0.760	1.140	0.125	2.50	S136-095-2-REAM12XR	S136-095-3-REAM12XR	S136-095-4-REAM12XR	\$57.60	\$59.70
0.1000	0.800	1.200	0.125	2.50	S136-100-2-REAM12XR	S136-100-3-REAM12XR	S136-100-4-REAM12XR	\$57.60	\$59.70
0.1050	0.840	1.260	0.125	2.50	S136-105-2-REAM12XR	S136-105-3-REAM12XR	S136-105-4-REAM12XR	\$57.60	\$59.70
0.1094 (7/64)	0.875	1.313	0.125	2.50	S136-109-2-REAM12XR	S136-109-3-REAM12XR	S136-109-4-REAM12XR	\$57.60	\$59.70
0.1100	0.880	1.320	0.125	2.50	S136-110-2-REAM12XR	S136-110-3-REAM12XR	S136-110-4-REAM12XR	\$57.60	\$59.70
0.1150	0.920	1.380	0.125	2.50	S136-115-2-REAM12XR	S136-115-3-REAM12XR	S136-115-4-REAM12XR	\$57.60	\$59.70
0.1200	0.960	1.440	0.125	2.50	S136-120-2-REAM12XR	S136-120-3-REAM12XR	S136-120-4-REAM12XR	\$57.60	\$59.70
0.1250 (1/8)	1.000	1.500	0.1875	2.50	S136-125-2-REAM12XR	S136-125-3-REAM12XR	S136-125-4-REAM12XR	\$59.60	\$64.22

FLUTES
2,3,4

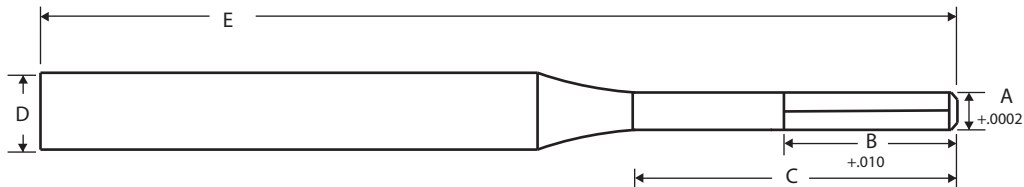
8X
FLUTE
LENGTH

12X
REACH

C
CIRCULAR

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS



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111

S135

Metric Reamers / +0.005mm Tolerance

**FLUTES
2,3,4**

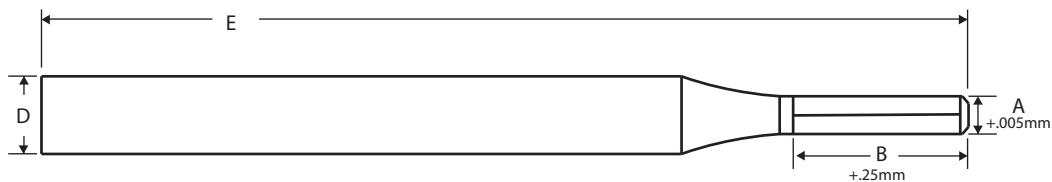
**8X
FLUTE
LENGTH**

**C
CIRCULAR**

**+
SWISS-TYPE
OAL**

**Q
QUICK TURN
SPECIALS**

Cutter Diameter (mm)	Flute Length (mm)	Shank Diameter (mm)	OAL (in.)	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.20	1.60	3.00	2.00	S135-0.20mm-2-REAM8X	N/A	N/A	\$70.20	\$72.30
0.25	2.00	3.00	2.00	S135-0.25mm-2-REAM8X	N/A	N/A	\$70.20	\$72.30
0.30	2.40	3.00	2.00	S135-0.30mm-2-REAM8X	S135-0.30mm-3-REAM8X	S135-0.30mm-4-REAM8X	\$60.80	\$62.90
0.35	2.80	3.00	2.00	S135-0.35mm-2-REAM8X	S135-0.35mm-3-REAM8X	S135-0.35mm-4-REAM8X	\$60.80	\$62.90
0.40	3.20	3.00	2.00	S135-0.40mm-2-REAM8X	S135-0.40mm-3-REAM8X	S135-0.40mm-4-REAM8X	\$60.80	\$62.90
0.45	3.60	3.00	2.00	S135-0.45mm-2-REAM8X	S135-0.45mm-3-REAM8X	S135-0.45mm-4-REAM8X	\$60.80	\$62.90
0.50	4.00	3.00	2.00	S135-0.50mm-2-REAM8X	S135-0.50mm-3-REAM8X	S135-0.50mm-4-REAM8X	\$60.80	\$62.90
0.55	4.40	3.00	2.00	S135-0.55mm-2-REAM8X	S135-0.55mm-3-REAM8X	S135-0.55mm-4-REAM8X	\$54.70	\$56.80
0.60	4.80	3.00	2.00	S135-0.60mm-2-REAM8X	S135-0.60mm-3-REAM8X	S135-0.60mm-4-REAM8X	\$54.70	\$56.80
0.65	5.20	3.00	2.00	S135-0.65mm-2-REAM8X	S135-0.65mm-3-REAM8X	S135-0.65mm-4-REAM8X	\$54.70	\$56.80
0.70	5.60	3.00	2.00	S135-0.70mm-2-REAM8X	S135-0.70mm-3-REAM8X	S135-0.70mm-4-REAM8X	\$54.70	\$56.80
0.75	6.00	3.00	2.00	S135-0.75mm-2-REAM8X	S135-0.75mm-3-REAM8X	S135-0.75mm-4-REAM8X	\$54.70	\$56.80
0.80	6.40	3.00	2.00	S135-0.80mm-2-REAM8X	S135-0.80mm-3-REAM8X	S135-0.80mm-4-REAM8X	\$54.70	\$56.80
0.85	6.80	3.00	2.00	S135-0.85mm-2-REAM8X	S135-0.85mm-3-REAM8X	S135-0.85mm-4-REAM8X	\$54.70	\$56.80
0.90	7.20	3.00	2.00	S135-0.90mm-2-REAM8X	S135-0.90mm-3-REAM8X	S135-0.90mm-4-REAM8X	\$54.70	\$56.80
0.95	7.60	3.00	2.00	S135-0.95mm-2-REAM8X	S135-0.95mm-3-REAM8X	S135-0.95mm-4-REAM8X	\$54.70	\$56.80
1.00	8.00	3.00	2.00	S135-1.00mm-2-REAM8X	S135-1.00mm-3-REAM8X	S135-1.00mm-4-REAM8X	\$54.70	\$56.80
1.25	10.00	3.00	2.00	S135-1.25mm-2-REAM8X	S135-1.25mm-3-REAM8X	S135-1.25mm-4-REAM8X	\$54.70	\$56.80
1.50	12.00	3.00	2.00	S135-1.50mm-2-REAM8X	S135-1.50mm-3-REAM8X	S135-1.50mm-4-REAM8X	\$49.60	\$51.70
1.75	14.00	3.00	2.00	S135-1.75mm-2-REAM8X	S135-1.75mm-3-REAM8X	S135-1.75mm-4-REAM8X	\$49.60	\$51.70
2.00	16.00	3.00	2.00	S135-2.00mm-2-REAM8X	S135-2.00mm-3-REAM8X	S135-2.00mm-4-REAM8X	\$49.60	\$51.70
2.25	18.00	3.00	2.50	S135-2.25mm-2-REAM8X	S135-2.25mm-3-REAM8X	S135-2.25mm-4-REAM8X	\$49.60	\$51.70
2.50	20.00	3.00	2.50	S135-2.50mm-2-REAM8X	S135-2.50mm-3-REAM8X	S135-2.50mm-4-REAM8X	\$49.60	\$51.70
2.75	22.00	3.00	2.50	S135-2.75mm-2-REAM8X	S135-2.75mm-3-REAM8X	S135-2.75mm-4-REAM8X	\$49.60	\$51.70
3.00	24.00	4.00	2.50	S135-3.00mm-2-REAM8X	S135-3.00mm-3-REAM8X	S135-3.00mm-4-REAM8X	\$51.60	\$56.22



Metric Reamers / +0.005mm Tolerance

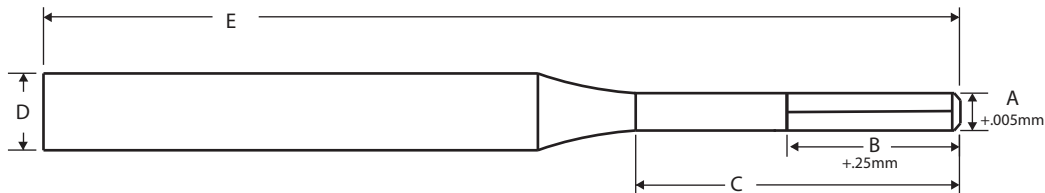
S136

Cutter Diameter (mm)	Flute Length (mm)	Overall Reach (mm)	Shank Diameter (mm)	OAL (in.)	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E					
0.25	2.00	3.00	3.00	2.00	S136-0.25mm-2-REAM12XR	N/A	N/A	\$78.20	\$80.30
0.30	2.40	3.60	3.00	2.00	S136-0.30mm-2-REAM12XR	S136-0.30mm-3-REAM12XR	S136-0.30mm-4-REAM12XR	\$68.80	\$70.90
0.35	2.80	4.20	3.00	2.00	S136-0.35mm-2-REAM12XR	S136-0.35mm-3-REAM12XR	S136-0.35mm-4-REAM12XR	\$68.80	\$70.90
0.40	3.20	4.80	3.00	2.00	S136-0.40mm-2-REAM12XR	S136-0.40mm-3-REAM12XR	S136-0.40mm-4-REAM12XR	\$68.80	\$70.90
0.45	3.60	5.40	3.00	2.00	S136-0.45mm-2-REAM12XR	S136-0.45mm-3-REAM12XR	S136-0.45mm-4-REAM12XR	\$68.80	\$70.90
0.50	4.00	6.00	3.00	2.00	S136-0.50mm-2-REAM12XR	S136-0.50mm-3-REAM12XR	S136-0.50mm-4-REAM12XR	\$68.80	\$70.90
0.55	4.40	6.60	3.00	2.00	S136-0.55mm-2-REAM12XR	S136-0.55mm-3-REAM12XR	S136-0.55mm-4-REAM12XR	\$62.70	\$64.80
0.60	4.80	7.20	3.00	2.00	S136-0.60mm-2-REAM12XR	S136-0.60mm-3-REAM12XR	S136-0.60mm-4-REAM12XR	\$62.70	\$64.80
0.65	5.20	7.80	3.00	2.00	S136-0.65mm-2-REAM12XR	S136-0.65mm-3-REAM12XR	S136-0.65mm-4-REAM12XR	\$62.70	\$64.80
0.70	5.60	8.40	3.00	2.00	S136-0.70mm-2-REAM12XR	S136-0.70mm-3-REAM12XR	S136-0.70mm-4-REAM12XR	\$62.70	\$64.80
0.75	6.00	9.00	3.00	2.00	S136-0.75mm-2-REAM12XR	S136-0.75mm-3-REAM12XR	S136-0.75mm-4-REAM12XR	\$62.70	\$64.80
0.80	6.40	9.60	3.00	2.00	S136-0.80mm-2-REAM12XR	S136-0.80mm-3-REAM12XR	S136-0.80mm-4-REAM12XR	\$62.70	\$64.80
0.85	6.80	10.20	3.00	2.00	S136-0.85mm-2-REAM12XR	S136-0.85mm-3-REAM12XR	S136-0.85mm-4-REAM12XR	\$62.70	\$64.80
0.90	7.20	10.80	3.00	2.00	S136-0.90mm-2-REAM12XR	S136-0.90mm-3-REAM12XR	S136-0.90mm-4-REAM12XR	\$62.70	\$64.80
0.95	7.60	11.40	3.00	2.00	S136-0.95mm-2-REAM12XR	S136-0.95mm-3-REAM12XR	S136-0.95mm-4-REAM12XR	\$62.70	\$64.80
1.00	8.00	12.00	3.00	2.00	S136-1.00mm-2-REAM12XR	S136-1.00mm-3-REAM12XR	S136-1.00mm-4-REAM12XR	\$62.70	\$64.80
1.25	10.00	15.00	3.00	2.00	S136-1.25mm-2-REAM12XR	S136-1.25mm-3-REAM12XR	S136-1.25mm-4-REAM12XR	\$62.70	\$64.80
1.50	12.00	18.00	3.00	2.00	S136-1.50mm-2-REAM12XR	S136-1.50mm-3-REAM12XR	S136-1.50mm-4-REAM12XR	\$57.60	\$59.70
1.75	14.00	21.00	3.00	2.00	S136-1.75mm-2-REAM12XR	S136-1.75mm-3-REAM12XR	S136-1.75mm-4-REAM12XR	\$57.60	\$59.70
2.00	16.00	24.00	3.00	2.00	S136-2.00mm-2-REAM12XR	S136-2.00mm-3-REAM12XR	S136-2.00mm-4-REAM12XR	\$57.60	\$59.70
2.25	18.00	27.00	3.00	2.50	S136-2.25mm-2-REAM12XR	S136-2.25mm-3-REAM12XR	S136-2.25mm-4-REAM12XR	\$57.60	\$59.70
2.50	20.00	30.00	3.00	2.50	S136-2.50mm-2-REAM12XR	S136-2.50mm-3-REAM12XR	S136-2.50mm-4-REAM12XR	\$57.60	\$59.70
2.75	22.00	33.00	3.00	2.50	S136-2.75mm-2-REAM12XR	S136-2.75mm-3-REAM12XR	S136-2.75mm-4-REAM12XR	\$57.60	\$59.70
3.00	24.00	36.00	4.00	2.50	S136-3.00mm-2-REAM12XR	S136-3.00mm-3-REAM12XR	S136-3.00mm-4-REAM12XR	\$59.60	\$64.22

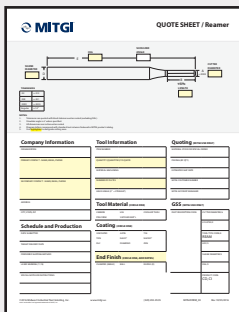
**FLUTES
2,3,4**
**8X
FLUTE
LENGTH**
**12X
REACH**

CIRCULAR

**SWISS-TYPE
OAL**

**QUICK TURN
SPECIALS**


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S137

2° Square Drafted Mold Tools

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.015 (1/64)	0.023	2.537	0.1875	4.00	S137-015-2-DVSM	S137-015-3-DVSM	S137-015-4-DVSM	\$62.79	\$67.41
0.031 (1/32)	0.047	2.356	0.1875	4.00	S137-031-2-DVSM	S137-031-3-DVSM	S137-031-4-DVSM	\$62.79	\$67.41
0.047 (3/64)	0.071	2.175	0.1875	4.00	S137-047-2-DVSM	S137-047-3-DVSM	S137-047-4-DVSM	\$62.79	\$67.41
0.062 (1/16)	0.093	2.004	0.1875	4.00	S137-062-2-DVSM	S137-062-3-DVSM	S137-062-4-DVSM	\$76.55	\$81.17
0.078 (5/64)	0.117	1.823	0.1875	4.00	S137-078-2-DVSM	S137-078-3-DVSM	S137-078-4-DVSM	\$76.55	\$81.17
0.093 (3/32)	0.140	1.654	0.1875	4.00	S137-093-2-DVSM	S137-093-3-DVSM	S137-093-4-DVSM	\$76.55	\$81.17
0.109 (7/64)	0.164	1.473	0.1875	4.00	S137-109-2-DVSM	S137-109-3-DVSM	S137-109-4-DVSM	\$76.55	\$81.17
0.125 (1/8)	0.188	2.180	0.250	4.00	S137-125-2-DVSM	S137-125-3-DVSM	S137-125-4-DVSM	\$79.96	\$84.58
0.156 (5/32)*	0.234	1.828	0.250	4.00	S137-156-2-DVSM	S137-156-3-DVSM	S137-156-4-DVSM	\$79.96	\$84.58
0.187 (3/16)*	0.281	1.492	0.250	4.00	S137-188-2-DVSM	S137-188-3-DVSM	S137-188-4-DVSM	\$79.96	\$84.58
0.219 (7/32)*	0.329	2.905	0.375	4.00	S137-219-2-DVSM	S137-219-3-DVSM	S137-219-4-DVSM	\$119.54	\$125.53
0.250 (1/4)*	0.375	2.554	0.375	4.00	S137-250-2-DVSM	S137-250-3-DVSM	S137-250-4-DVSM	\$119.54	\$125.53

2° Square Drafted Mold Tools

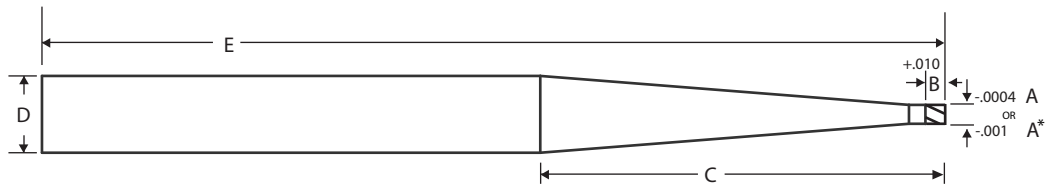
FLUTES
5

1.5X
LENGTH
OF CUT

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	2.356	0.1875	4.00	S137-031-5-DVSM	\$71.19	\$75.81
0.047 (3/64)	0.071	2.175	0.1875	4.00	S137-047-5-DVSM	\$71.19	\$75.81
0.062 (1/16)	0.093	2.004	0.1875	4.00	S137-062-5-DVSM	\$84.95	\$89.57
0.078 (5/64)	0.117	1.823	0.1875	4.00	S137-078-5-DVSM	\$84.95	\$89.57
0.093 (3/32)	0.140	1.654	0.1875	4.00	S137-093-5-DVSM	\$84.95	\$89.57
0.109 (7/64)	0.164	1.473	0.1875	4.00	S137-109-5-DVSM	\$84.95	\$89.57
0.125 (1/8)	0.188	2.180	0.250	4.00	S137-125-5-DVSM	\$88.36	\$92.98
0.156 (5/32)*	0.234	1.828	0.250	4.00	S137-156-5-DVSM	\$88.36	\$92.98
0.187 (3/16)*	0.281	1.492	0.250	4.00	S137-188-5-DVSM	\$88.36	\$92.98
0.219 (7/32)*	0.329	2.905	0.375	4.00	S137-219-5-DVSM	\$127.94	\$133.93
0.250 (1/4)*	0.375	2.554	0.375	4.00	S137-250-5-DVSM	\$127.94	\$133.93



3° Square Drafted Mold Tools

S138

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.015 (1/64)	0.023	1.706	0.1875	3.00	S138-015-2-DVSM	S138-015-3-DVSM	S138-015-4-DVSM	\$62.79	\$67.41
0.031 (1/32)	0.047	1.601	0.1875	3.00	S138-031-2-DVSM	S138-031-3-DVSM	S138-031-4-DVSM	\$62.79	\$67.41
0.047 (3/64)	0.071	1.496	0.1875	3.00	S138-047-2-DVSM	S138-047-3-DVSM	S138-047-4-DVSM	\$62.79	\$67.41
0.062 (1/16)	0.093	1.398	0.1875	3.00	S138-062-2-DVSM	S138-062-3-DVSM	S138-062-4-DVSM	\$76.55	\$81.17
0.078 (5/64)	0.117	1.293	0.1875	3.00	S138-078-2-DVSM	S138-078-3-DVSM	S138-078-4-DVSM	\$76.55	\$81.17
0.093 (3/32)	0.140	1.195	0.1875	3.00	S138-093-2-DVSM	S138-093-3-DVSM	S138-093-4-DVSM	\$76.55	\$81.17
0.109 (7/64)	0.164	1.091	0.1875	3.00	S138-109-2-DVSM	S138-109-3-DVSM	S138-109-4-DVSM	\$76.55	\$81.17
0.125 (1/8)	0.188	1.578	0.250	3.00	S138-125-2-DVSM	S138-125-3-DVSM	S138-125-4-DVSM	\$79.96	\$84.58
0.156 (5/32)*	0.234	1.374	0.250	3.00	S138-156-2-DVSM	S138-156-3-DVSM	S138-156-4-DVSM	\$79.96	\$84.58
0.187 (3/16)*	0.281	1.182	0.250	3.00	S138-188-2-DVSM	S138-188-3-DVSM	S138-188-4-DVSM	\$79.96	\$84.58
0.219 (7/32)*	0.329	2.155	0.375	4.00	S138-219-2-DVSM	S138-219-3-DVSM	S138-219-4-DVSM	\$119.54	\$125.53
0.250 (1/4)*	0.375	1.952	0.375	4.00	S138-250-2-DVSM	S138-250-3-DVSM	S138-250-4-DVSM	\$119.54	\$125.53

**FLUTES
2,3,4**
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

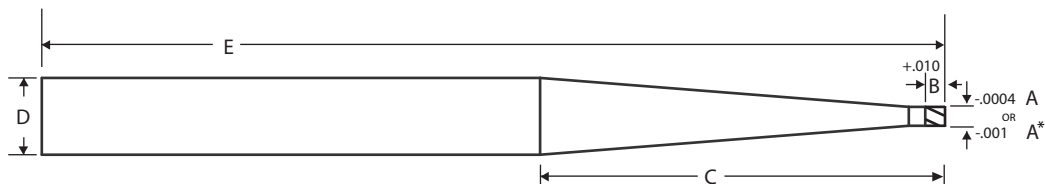
**QUICK TURN
SPECIALS**

3° Square Drafted Mold Tools

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	1.601	0.1875	3.00	S138-031-5-DVSM	\$71.19	\$75.81
0.047 (3/64)	0.071	1.496	0.1875	3.00	S138-047-5-DVSM	\$71.19	\$75.81
0.062 (1/16)	0.093	1.398	0.1875	3.00	S138-062-5-DVSM	\$84.95	\$89.57
0.078 (5/64)	0.117	1.293	0.1875	3.00	S138-078-5-DVSM	\$84.95	\$89.57
0.093 (3/32)	0.140	1.195	0.1875	3.00	S138-093-5-DVSM	\$84.95	\$89.57
0.109 (7/64)	0.164	1.091	0.1875	3.00	S138-109-5-DVSM	\$84.95	\$89.57
0.125 (1/8)	0.188	1.578	0.250	3.00	S138-125-5-DVSM	\$88.36	\$92.98
0.156 (5/32)*	0.234	1.374	0.250	3.00	S138-156-5-DVSM	\$88.36	\$92.98
0.187 (3/16)*	0.281	1.182	0.250	3.00	S138-188-5-DVSM	\$88.36	\$92.98
0.219 (7/32)*	0.329	2.155	0.375	4.00	S138-219-5-DVSM	\$127.94	\$133.93
0.250 (1/4)*	0.375	1.952	0.375	4.00	S138-250-5-DVSM	\$127.94	\$133.93

**FLUTES
5**
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


S139

5° Square Drafted Mold Tools

FLUTES
2,3,4

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.015 (1/64)	0.023	1.040	0.1875	3.00	S139-015-2-DVSM	S139-015-3-DVSM	S139-015-4-DVSM	\$62.79	\$67.41
0.031 (1/32)	0.047	0.997	0.1875	3.00	S139-031-2-DVSM	S139-031-3-DVSM	S139-031-4-DVSM	\$62.79	\$67.41
0.047 (3/64)	0.071	0.953	0.1875	3.00	S139-047-2-DVSM	S139-047-3-DVSM	S139-047-4-DVSM	\$62.79	\$67.41
0.062 (1/16)	0.093	0.912	0.1875	3.00	S139-062-2-DVSM	S139-062-3-DVSM	S139-062-4-DVSM	\$76.55	\$81.17
0.078 (5/64)	0.117	0.868	0.1875	3.00	S139-078-2-DVSM	S139-078-3-DVSM	S139-078-4-DVSM	\$76.55	\$81.17
0.093 (3/32)	0.140	0.828	0.1875	3.00	S139-093-2-DVSM	S139-093-3-DVSM	S139-093-4-DVSM	\$76.55	\$81.17
0.109 (7/64)	0.164	0.785	0.1875	3.00	S139-109-2-DVSM	S139-109-3-DVSM	S139-109-4-DVSM	\$76.55	\$81.17
0.125 (1/8)	0.188	1.096	0.250	3.00	S139-125-2-DVSM	S139-125-3-DVSM	S139-125-4-DVSM	\$79.96	\$84.58
0.156 (5/32)*	0.234	1.011	0.250	3.00	S139-156-2-DVSM	S139-156-3-DVSM	S139-156-4-DVSM	\$79.96	\$84.58
0.187 (3/16)*	0.281	0.933	0.250	3.00	S139-188-2-DVSM	S139-188-3-DVSM	S139-188-4-DVSM	\$79.96	\$84.58
0.219 (7/32)*	0.329	1.555	0.375	4.00	S139-219-2-DVSM	S139-219-3-DVSM	S139-219-4-DVSM	\$119.54	\$125.53
0.250 (1/4)*	0.375	1.470	0.375	4.00	S139-250-2-DVSM	S139-250-3-DVSM	S139-250-4-DVSM	\$119.54	\$125.53

5° Square Drafted Mold Tools

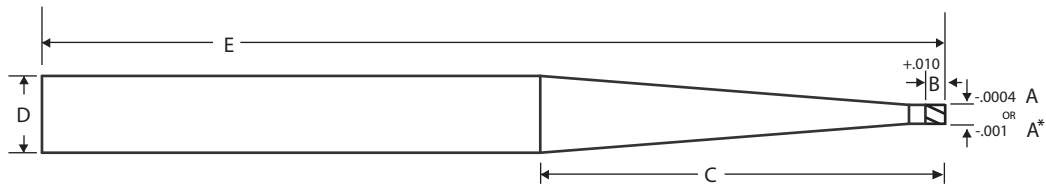
FLUTES
5

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	0.997	0.1875	3.00	S139-031-5-DVSM	\$71.19	\$75.81
0.047 (3/64)	0.071	0.953	0.1875	3.00	S139-047-5-DVSM	\$71.19	\$75.81
0.062 (1/16)	0.093	0.912	0.1875	3.00	S139-062-5-DVSM	\$84.95	\$89.57
0.078 (5/64)	0.117	0.868	0.1875	3.00	S139-078-5-DVSM	\$84.95	\$89.57
0.093 (3/32)	0.140	0.828	0.1875	3.00	S139-093-5-DVSM	\$84.95	\$89.57
0.109 (7/64)	0.164	0.785	0.1875	3.00	S139-109-5-DVSM	\$84.95	\$89.57
0.125 (1/8)	0.188	1.096	0.250	3.00	S139-125-5-DVSM	\$88.36	\$92.98
0.156 (5/32)*	0.234	1.011	0.250	3.00	S139-156-5-DVSM	\$88.36	\$92.98
0.187 (3/16)*	0.281	0.933	0.250	3.00	S139-188-5-DVSM	\$88.36	\$92.98
0.219 (7/32)*	0.329	1.555	0.375	4.00	S139-219-5-DVSM	\$127.94	\$133.93
0.250 (1/4)*	0.375	1.470	0.375	4.00	S139-250-5-DVSM	\$127.94	\$133.93





STOCKING OPTIONS & BLANKET ORDERS

Once an order has been placed (standard or custom), those tools can be stocked and available for same day shipment on reorders. Blanket POs allow you to schedule tools for regular delivery while taking advantage of lower price points available when ordering in larger quantities. Ask your Account Manager for more information regarding stocking options and blanket POs.

APPROVAL BASED SAMPLES

No one makes better tools than MITGI. We're so confident that we encourage you to give them a try on approval.

In most cases, the Approval Based Sample Program allows you to order a standard tool and give it a try before placing the full order. This lets you see the catalog tool in action, allows you to compare it to the tools of our competitors, and helps determine whether it matches the specifications required for your project.

Contact MITGI to request a standard tool sample.



STOCKING & SHIPPING OPTIONS

SHIPPING & LOCAL DELIVERY

Orders ship via UPS or FedEx; expedited delivery options are available. For customers within 90 miles of Hutchinson, MN, same day courier or pick up options may be available for standard or custom stocked tools. Ask for more information.

EXPEDITED ORDERS

Our manufacturing facility is set up for flexibility and can produce standard or custom orders quickly and efficiently. Contact us for quick turn and expedited order options.

Expedited delivery is available on a case-by-case basis.

PRODUCTION TIME LINES

Standard Tools:	3 days or less
Quick Turn Specials:	3 days or less
Custom Tools:	2 weeks or less
Coating:	1 week or less



S140

2° Corner Radius Drafted Mold Tools

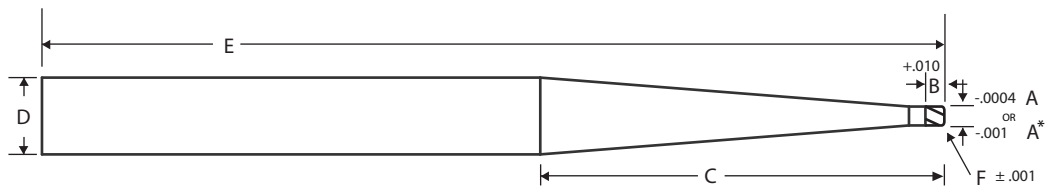
**FLUTES
2,4**

**1.5X
LENGTH
OF CUT**

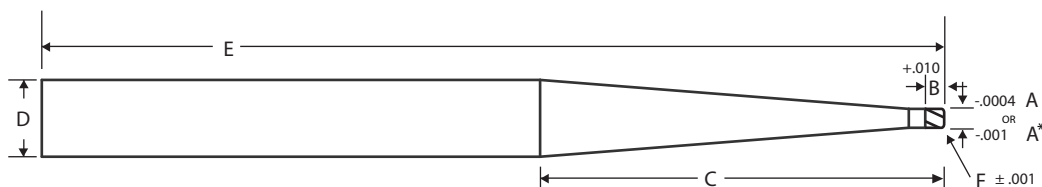
**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F				
0.015 (1/64)	0.023	2.537	0.1875	4.00	0.003	S140-015-2-.003DVCM	N/A	\$68.99	\$73.61
0.031 (1/32)	0.047	2.356	0.1875	4.00	0.005	S140-031-2-.005DVCM	S140-031-4-.005DVCM	\$68.99	\$73.61
0.047 (3/64)	0.071	2.175	0.1875	4.00	0.005	S140-047-2-.005DVCM	S140-047-4-.005DVCM	\$68.99	\$73.61
0.047 (3/64)	0.071	2.175	0.1875	4.00	0.010	S140-047-2-.010DVCM	S140-047-4-.010DVCM	\$68.99	\$73.61
0.062 (1/16)	0.093	2.004	0.1875	4.00	0.010	S140-062-2-.010DVCM	S140-062-4-.010DVCM	\$83.11	\$87.73
0.062 (1/16)	0.093	2.004	0.1875	4.00	0.015	S140-062-2-.015DVCM	S140-062-4-.015DVCM	\$83.11	\$87.73
0.078 (5/64)	0.117	1.823	0.1875	4.00	0.010	S140-078-2-.010DVCM	S140-078-4-.010DVCM	\$83.11	\$87.73
0.078 (5/64)	0.117	1.823	0.1875	4.00	0.015	S140-078-2-.015DVCM	S140-078-4-.015DVCM	\$83.11	\$87.73
0.093 (3/32)	0.140	1.654	0.1875	4.00	0.010	S140-093-2-.010DVCM	S140-093-4-.010DVCM	\$83.11	\$87.73
0.093 (3/32)	0.140	1.654	0.1875	4.00	0.015	S140-093-2-.015DVCM	S140-093-4-.015DVCM	\$83.11	\$87.73
0.109 (7/64)	0.164	1.473	0.1875	4.00	0.015	S140-109-2-.015DVCM	S140-109-4-.015DVCM	\$83.11	\$87.73
0.109 (7/64)	0.164	1.473	0.1875	4.00	0.020	S140-109-2-.020DVCM	S140-109-4-.020DVCM	\$83.11	\$87.73
0.125 (1/8)	0.188	2.180	0.250	4.00	0.015	S140-125-2-.015DVCM	S140-125-4-.015DVCM	\$87.36	\$91.98
0.125 (1/8)	0.188	2.180	0.250	4.00	0.020	S140-125-2-.020DVCM	S140-125-4-.020DVCM	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.828	0.250	4.00	0.015	S140-156-2-.015DVCM	S140-156-4-.015DVCM	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.828	0.250	4.00	0.020	S140-156-2-.020DVCM	S140-156-4-.020DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.492	0.250	4.00	0.015	S140-188-2-.015DVCM	S140-188-4-.015DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.492	0.250	4.00	0.020	S140-188-2-.020DVCM	S140-188-4-.020DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.492	0.250	4.00	0.031	S140-188-2-.031DVCM	S140-188-4-.031DVCM	\$87.36	\$91.98
0.219 (7/32)*	0.329	2.905	0.375	4.00	0.015	S140-219-2-.015DVCM	S140-219-4-.015DVCM	\$131.41	\$137.39
0.219 (7/32)*	0.329	2.905	0.375	4.00	0.020	S140-219-2-.020DVCM	S140-219-4-.020DVCM	\$131.41	\$137.39
0.219 (7/32)*	0.329	2.905	0.375	4.00	0.031	S140-219-2-.031DVCM	S140-219-4-.031DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	2.554	0.375	4.00	0.015	S140-250-2-.015DVCM	S140-250-4-.015DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	2.554	0.375	4.00	0.020	S140-250-2-.020DVCM	S140-250-4-.020DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	2.554	0.375	4.00	0.031	S140-250-2-.031DVCM	S140-250-4-.031DVCM	\$131.41	\$137.39



Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.047 (3/64)	0.071	2.175	0.1875	4.00	0.005	S140-047-5-.005DVCM	\$77.39	\$82.01
0.047 (3/64)	0.071	2.175	0.1875	4.00	0.010	S140-047-5-.010DVCM	\$77.39	\$82.01
0.062 (1/16)	0.093	2.004	0.1875	4.00	0.010	S140-062-5-.010DVCM	\$91.51	\$96.13
0.062 (1/16)	0.093	2.004	0.1875	4.00	0.015	S140-062-5-.015DVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	1.823	0.1875	4.00	0.010	S140-078-5-.010DVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	1.823	0.1875	4.00	0.015	S140-078-5-.015DVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	1.654	0.1875	4.00	0.010	S140-093-5-.010DVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	1.654	0.1875	4.00	0.015	S140-093-5-.015DVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	1.473	0.1875	4.00	0.015	S140-109-5-.015DVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	1.473	0.1875	4.00	0.020	S140-109-5-.020DVCM	\$91.51	\$96.13
0.125 (1/8)	0.188	2.180	0.250	4.00	0.015	S140-125-5-.015DVCM	\$95.76	\$100.38
0.125 (1/8)	0.188	2.180	0.250	4.00	0.020	S140-125-5-.020DVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.828	0.250	4.00	0.015	S140-156-5-.015DVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.828	0.250	4.00	0.020	S140-156-5-.020DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.492	0.250	4.00	0.015	S140-188-5-.015DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.492	0.250	4.00	0.020	S140-188-5-.020DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.492	0.250	4.00	0.031	S140-188-5-.031DVCM	\$95.76	\$100.38
0.219 (7/32)*	0.329	2.905	0.375	4.00	0.015	S140-219-5-.015DVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	2.905	0.375	4.00	0.020	S140-219-5-.020DVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	2.905	0.375	4.00	0.031	S140-219-5-.031DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	2.554	0.375	4.00	0.015	S140-250-5-.015DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	2.554	0.375	4.00	0.020	S140-250-5-.020DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	2.554	0.375	4.00	0.031	S140-250-5-.031DVCM	\$139.81	\$145.79



Need your coated tool quickly? All standard tools are available ALTiN coated in 3 days or less. See page 117 for more details.

S141

3° Corner Radius Drafted Mold Tools

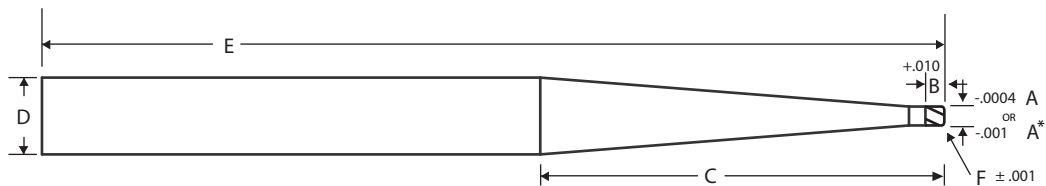
**FLUTES
2,4**

**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F				
0.015 (1/64)	0.023	1.706	0.1875	3.00	0.003	S141-015-2-.003DVCM	N/A	\$68.99	\$73.61
0.031 (1/32)	0.047	1.601	0.1875	3.00	0.005	S141-031-2-.005DVCM	S141-031-4-.005DVCM	\$68.99	\$73.61
0.047 (3/64)	0.071	1.496	0.1875	3.00	0.005	S141-047-2-.005DVCM	S141-047-4-.005DVCM	\$68.99	\$73.61
0.047 (3/64)	0.071	1.496	0.1875	3.00	0.010	S141-047-2-.010DVCM	S141-047-4-.010DVCM	\$68.99	\$73.61
0.062 (1/16)	0.093	1.398	0.1875	3.00	0.010	S141-062-2-.010DVCM	S141-062-4-.010DVCM	\$83.11	\$87.73
0.062 (1/16)	0.093	1.398	0.1875	3.00	0.015	S141-062-2-.015DVCM	S141-062-4-.015DVCM	\$83.11	\$87.73
0.078 (5/64)	0.117	1.293	0.1875	3.00	0.010	S141-078-2-.010DVCM	S141-078-4-.010DVCM	\$83.11	\$87.73
0.078 (5/64)	0.117	1.293	0.1875	3.00	0.015	S141-078-2-.015DVCM	S141-078-4-.015DVCM	\$83.11	\$87.73
0.093 (3/32)	0.140	1.195	0.1875	3.00	0.010	S141-093-2-.010DVCM	S141-093-4-.010DVCM	\$83.11	\$87.73
0.093 (3/32)	0.140	1.195	0.1875	3.00	0.015	S141-093-2-.015DVCM	S141-093-4-.015DVCM	\$83.11	\$87.73
0.109 (7/64)	0.164	1.091	0.1875	3.00	0.015	S141-109-2-.015DVCM	S141-109-4-.015DVCM	\$83.11	\$87.73
0.109 (7/64)	0.164	1.091	0.1875	3.00	0.020	S141-109-2-.020DVCM	S141-109-4-.020DVCM	\$83.11	\$87.73
0.125 (1/8)	0.188	1.578	0.250	3.00	0.015	S141-125-2-.015DVCM	S141-125-4-.015DVCM	\$87.36	\$91.98
0.125 (1/8)	0.188	1.578	0.250	3.00	0.020	S141-125-2-.020DVCM	S141-125-4-.020DVCM	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.374	0.250	3.00	0.015	S141-156-2-.015DVCM	S141-156-4-.015DVCM	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.374	0.250	3.00	0.020	S141-156-2-.020DVCM	S141-156-4-.020DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.182	0.250	3.00	0.015	S141-188-2-.015DVCM	S141-188-4-.015DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.182	0.250	3.00	0.020	S141-188-2-.020DVCM	S141-188-4-.020DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.182	0.250	3.00	0.031	S141-188-2-.031DVCM	S141-188-4-.031DVCM	\$87.36	\$91.98
0.219 (7/32)*	0.329	2.155	0.375	4.00	0.015	S141-219-2-.015DVCM	S141-219-4-.015DVCM	\$131.41	\$137.39
0.219 (7/32)*	0.329	2.155	0.375	4.00	0.020	S141-219-2-.020DVCM	S141-219-4-.020DVCM	\$131.41	\$137.39
0.219 (7/32)*	0.329	2.155	0.375	4.00	0.031	S141-219-2-.031DVCM	S141-219-4-.031DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.952	0.375	4.00	0.015	S141-250-2-.015DVCM	S141-250-4-.015DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.952	0.375	4.00	0.020	S141-250-2-.020DVCM	S141-250-4-.020DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.952	0.375	4.00	0.031	S141-250-2-.031DVCM	S141-250-4-.031DVCM	\$131.41	\$137.39



3° Corner Radius Drafted Mold Tools

S141

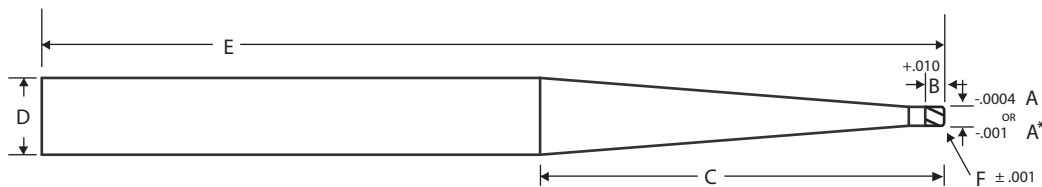
FLUTES
5

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E	F			
0.047 (3/64)	0.071	1.496	0.1875	3.00	0.005	S141-047-5-.005DVCM	\$77.39	\$82.01
0.047 (3/64)	0.071	1.496	0.1875	3.00	0.010	S141-047-5-.010DVCM	\$77.39	\$82.01
0.062 (1/16)	0.093	1.398	0.1875	3.00	0.010	S141-062-5-.010DVCM	\$91.51	\$96.13
0.062 (1/16)	0.093	1.398	0.1875	3.00	0.015	S141-062-5-.015DVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	1.293	0.1875	3.00	0.010	S141-078-5-.010DVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	1.293	0.1875	3.00	0.015	S141-078-5-.015DVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	1.195	0.1875	3.00	0.010	S141-093-5-.010DVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	1.195	0.1875	3.00	0.015	S141-093-5-.015DVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	1.091	0.1875	3.00	0.015	S141-109-5-.015DVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	1.091	0.1875	3.00	0.020	S141-109-5-.020DVCM	\$91.51	\$96.13
0.125 (1/8)	0.188	1.578	0.250	3.00	0.015	S141-125-5-.015DVCM	\$95.76	\$100.38
0.125 (1/8)	0.188	1.578	0.250	3.00	0.020	S141-125-5-.020DVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.374	0.250	3.00	0.015	S141-156-5-.015DVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.374	0.250	3.00	0.020	S141-156-5-.020DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.182	0.250	3.00	0.015	S141-188-5-.015DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.182	0.250	3.00	0.020	S141-188-5-.020DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.182	0.250	3.00	0.031	S141-188-5-.031DVCM	\$95.76	\$100.38
0.219 (7/32)*	0.329	2.155	0.375	4.00	0.015	S141-219-5-.015DVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	2.155	0.375	4.00	0.020	S141-219-5-.020DVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	2.155	0.375	4.00	0.031	S141-219-5-.031DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.952	0.375	4.00	0.015	S141-250-5-.015DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.952	0.375	4.00	0.020	S141-250-5-.020DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.952	0.375	4.00	0.031	S141-250-5-.031DVCM	\$139.81	\$145.79



MITGI INSIDE ACCOUNT REPRESENTATIVES

P. 2

MITGI Inside Account Representatives are the right resources for quote requests, to place orders, check inventory, or provide tracking. See page 2 for more info.



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121

S142

5° Corner Radius Drafted Mold Tools

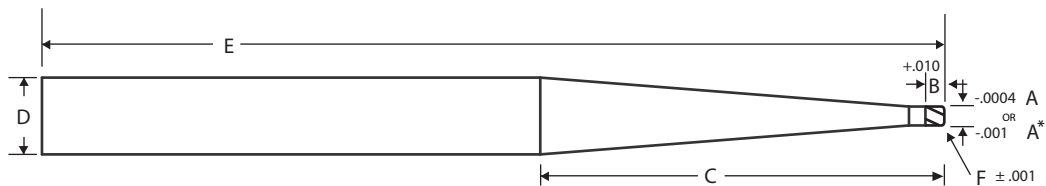
**FLUTES
2,4**

**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F				
0.015 (1/64)	0.023	1.040	0.1875	3.00	0.003	S142-015-2-.003DVCM	N/A	\$68.99	\$73.61
0.031 (1/32)	0.047	0.997	0.1875	3.00	0.005	S142-031-2-.005DVCM	S142-031-4-.005DVCM	\$68.99	\$73.61
0.047 (3/64)	0.071	0.953	0.1875	3.00	0.005	S142-047-2-.005DVCM	S142-047-4-.005DVCM	\$68.99	\$73.61
0.047 (3/64)	0.071	0.953	0.1875	3.00	0.010	S142-047-2-.010DVCM	S142-047-4-.010DVCM	\$68.99	\$73.61
0.062 (1/16)	0.093	0.912	0.1875	3.00	0.010	S142-062-2-.010DVCM	S142-062-4-.010DVCM	\$83.11	\$87.73
0.062 (1/16)	0.093	0.912	0.1875	3.00	0.015	S142-062-2-.015DVCM	S142-062-4-.015DVCM	\$83.11	\$87.73
0.078 (5/64)	0.117	0.868	0.1875	3.00	0.010	S142-078-2-.010DVCM	S142-078-4-.010DVCM	\$83.11	\$87.73
0.078 (5/64)	0.117	0.868	0.1875	3.00	0.015	S142-078-2-.015DVCM	S142-078-4-.015DVCM	\$83.11	\$87.73
0.093 (3/32)	0.140	0.828	0.1875	3.00	0.010	S142-093-2-.010DVCM	S142-093-4-.010DVCM	\$83.11	\$87.73
0.093 (3/32)	0.140	0.828	0.1875	3.00	0.015	S142-093-2-.015DVCM	S142-093-4-.015DVCM	\$83.11	\$87.73
0.109 (7/64)	0.164	0.785	0.1875	3.00	0.015	S142-109-2-.015DVCM	S142-109-4-.015DVCM	\$83.11	\$87.73
0.109 (7/64)	0.164	0.785	0.1875	3.00	0.020	S142-109-2-.020DVCM	S142-109-4-.020DVCM	\$83.11	\$87.73
0.125 (1/8)	0.188	1.096	0.250	3.00	0.015	S142-125-2-.015DVCM	S142-125-4-.015DVCM	\$87.36	\$91.98
0.125 (1/8)	0.188	1.096	0.250	3.00	0.020	S142-125-2-.020DVCM	S142-125-4-.020DVCM	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.011	0.250	3.00	0.015	S142-156-2-.015DVCM	S142-156-4-.015DVCM	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.011	0.250	3.00	0.020	S142-156-2-.020DVCM	S142-156-4-.020DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	0.933	0.250	3.00	0.015	S142-188-2-.015DVCM	S142-188-4-.015DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	0.933	0.250	3.00	0.020	S142-188-2-.020DVCM	S142-188-4-.020DVCM	\$87.36	\$91.98
0.187 (3/16)*	0.281	0.933	0.250	3.00	0.031	S142-188-2-.031DVCM	S142-188-4-.031DVCM	\$87.36	\$91.98
0.219 (7/32)*	0.329	1.555	0.375	4.00	0.015	S142-219-2-.015DVCM	S142-219-4-.015DVCM	\$131.41	\$137.39
0.219 (7/32)*	0.329	1.555	0.375	4.00	0.020	S142-219-2-.020DVCM	S142-219-4-.020DVCM	\$131.41	\$137.39
0.219 (7/32)*	0.329	1.555	0.375	4.00	0.031	S142-219-2-.031DVCM	S142-219-4-.031DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.470	0.375	4.00	0.015	S142-250-2-.015DVCM	S142-250-4-.015DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.470	0.375	4.00	0.020	S142-250-2-.020DVCM	S142-250-4-.020DVCM	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.470	0.375	4.00	0.031	S142-250-2-.031DVCM	S142-250-4-.031DVCM	\$131.41	\$137.39



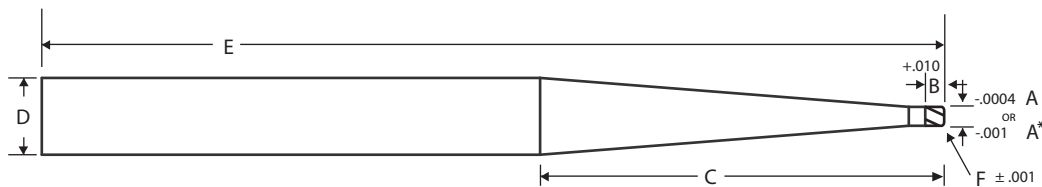
5° Corner Radius Drafted Mold Tools

S142
**FLUTES
5**
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.047 (3/64)	0.071	0.953	0.1875	3.00	0.005	S142-047-5-.005DVCM	\$77.39	\$82.01
0.047 (3/64)	0.071	0.953	0.1875	3.00	0.010	S142-047-5-.010DVCM	\$77.39	\$82.01
0.062 (1/16)	0.093	0.912	0.1875	3.00	0.010	S142-062-5-.010DVCM	\$91.51	\$96.13
0.062 (1/16)	0.093	0.912	0.1875	3.00	0.015	S142-062-5-.015DVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	0.868	0.1875	3.00	0.010	S142-078-5-.010DVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	0.868	0.1875	3.00	0.015	S142-078-5-.015DVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	0.828	0.1875	3.00	0.010	S142-093-5-.010DVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	0.828	0.1875	3.00	0.015	S142-093-5-.015DVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	0.785	0.1875	3.00	0.015	S142-109-5-.015DVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	0.785	0.1875	3.00	0.020	S142-109-5-.020DVCM	\$91.51	\$96.13
0.125 (1/8)	0.188	1.096	0.250	3.00	0.015	S142-125-5-.015DVCM	\$95.76	\$100.38
0.125 (1/8)	0.188	1.096	0.250	3.00	0.020	S142-125-5-.020DVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.011	0.250	3.00	0.015	S142-156-5-.015DVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.011	0.250	3.00	0.020	S142-156-5-.020DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	0.933	0.250	3.00	0.015	S142-188-5-.015DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	0.933	0.250	3.00	0.020	S142-188-5-.020DVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	0.933	0.250	3.00	0.031	S142-188-5-.031DVCM	\$95.76	\$100.38
0.219 (7/32)*	0.329	1.555	0.375	4.00	0.015	S142-219-5-.015DVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	1.555	0.375	4.00	0.020	S142-219-5-.020DVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	1.555	0.375	4.00	0.031	S142-219-5-.031DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.470	0.375	4.00	0.015	S142-250-5-.015DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.470	0.375	4.00	0.020	S142-250-5-.020DVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.470	0.375	4.00	0.031	S142-250-5-.031DVCM	\$139.81	\$145.79



Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.



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123

S143

2° Ball Drafted Mold Tools

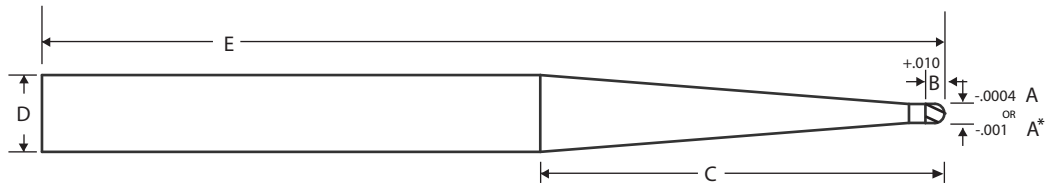
FLUTES
2,4

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E				
0.015 (1/64)	0.023	2.537	0.1875	4.00	S143-015-2-DVBM	N/A	\$66.94	\$71.56
0.031 (1/32)	0.047	2.356	0.1875	4.00	S143-031-2-DVBM	S143-031-4-DVBM	\$66.94	\$71.56
0.047 (3/64)	0.071	2.175	0.1875	4.00	S143-047-2-DVBM	S143-047-4-DVBM	\$66.94	\$71.56
0.062 (1/16)	0.093	2.004	0.1875	4.00	S143-062-2-DVBM	S143-062-4-DVBM	\$80.90	\$85.52
0.078 (5/64)	0.117	1.823	0.1875	4.00	S143-078-2-DVBM	S143-078-4-DVBM	\$80.90	\$85.52
0.093 (3/32)	0.140	1.654	0.1875	4.00	S143-093-2-DVBM	S143-093-4-DVBM	\$80.90	\$85.52
0.109 (7/64)	0.164	1.473	0.1875	4.00	S143-109-2-DVBM	S143-109-4-DVBM	\$80.90	\$85.52
0.125 (1/8)	0.188	2.180	0.250	4.00	S143-125-2-DVBM	S143-125-4-DVBM	\$84.11	\$88.73
0.156 (5/32)*	0.234	1.828	0.250	4.00	S143-156-2-DVBM	S143-156-4-DVBM	\$84.11	\$88.73
0.187 (3/16)*	0.281	1.492	0.250	4.00	S143-188-2-DVBM	S143-188-4-DVBM	\$84.11	\$88.73
0.219 (7/32)*	0.329	2.905	0.375	4.00	S143-219-2-DVBM	S143-219-4-DVBM	\$124.95	\$130.94
0.250 (1/4)*	0.375	2.554	0.375	4.00	S143-250-2-DVBM	S143-250-4-DVBM	\$124.95	\$130.94



S144

3° Ball Drafted Mold Tools

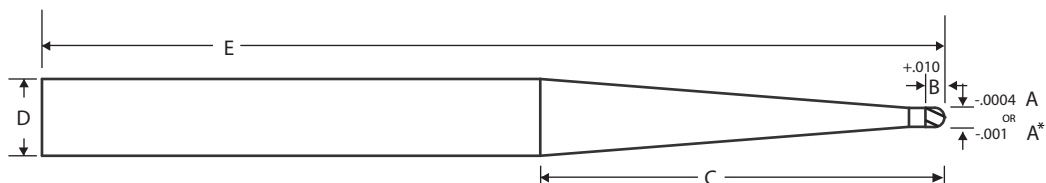
FLUTES
2,4

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	C	D	E				
0.015 (1/64)	0.023	1.706	0.1875	3.00	S144-015-2-DVBM	N/A	\$66.94	\$71.56
0.031 (1/32)	0.047	1.601	0.1875	3.00	S144-031-2-DVBM	S144-031-4-DVBM	\$66.94	\$71.56
0.047 (3/64)	0.071	1.496	0.1875	3.00	S144-047-2-DVBM	S144-047-4-DVBM	\$66.94	\$71.56
0.062 (1/16)	0.093	1.398	0.1875	3.00	S144-062-2-DVBM	S144-062-4-DVBM	\$80.90	\$85.52
0.078 (5/64)	0.117	1.293	0.1875	3.00	S144-078-2-DVBM	S144-078-4-DVBM	\$80.90	\$85.52
0.093 (3/32)	0.140	1.195	0.1875	3.00	S144-093-2-DVBM	S144-093-4-DVBM	\$80.90	\$85.52
0.109 (7/64)	0.164	1.091	0.1875	3.00	S144-109-2-DVBM	S144-109-4-DVBM	\$80.90	\$85.52
0.125 (1/8)	0.188	1.578	0.250	3.00	S144-125-2-DVBM	S144-125-4-DVBM	\$84.11	\$88.73
0.156 (5/32)*	0.234	1.374	0.250	3.00	S144-156-2-DVBM	S144-156-4-DVBM	\$84.11	\$88.73
0.187 (3/16)*	0.281	1.182	0.250	3.00	S144-188-2-DVBM	S144-188-4-DVBM	\$84.11	\$88.73
0.219 (7/32)*	0.329	2.155	0.375	4.00	S144-219-2-DVBM	S144-219-4-DVBM	\$124.95	\$130.94
0.250 (1/4)*	0.375	1.952	0.375	4.00	S144-250-2-DVBM	S144-250-4-DVBM	\$124.95	\$130.94



5° Ball Drafted Mold Tools

S145

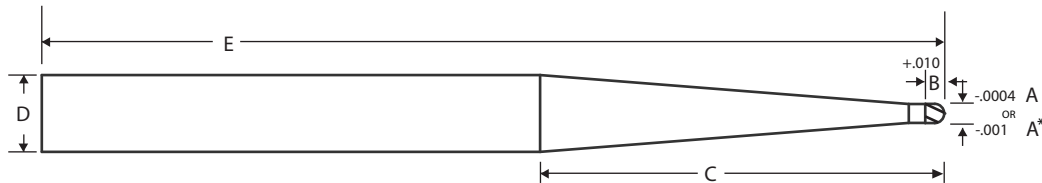
**FLUTES
2,4**

**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Approx. Reach	Shank Diameter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E				
0.015 (1/64)	0.023	1.040	0.1875	3.00	S145-015-2-DVBM	N/A	\$66.94	\$71.56
0.031 (1/32)	0.047	0.997	0.1875	3.00	S145-031-2-DVBM	S145-031-4-DVBM	\$66.94	\$71.56
0.047 (3/64)	0.071	0.953	0.1875	3.00	S145-047-2-DVBM	S145-047-4-DVBM	\$66.94	\$71.56
0.062 (1/16)	0.093	0.912	0.1875	3.00	S145-062-2-DVBM	S145-062-4-DVBM	\$80.90	\$85.52
0.078 (5/64)	0.117	0.868	0.1875	3.00	S145-078-2-DVBM	S145-078-4-DVBM	\$80.90	\$85.52
0.093 (3/32)	0.140	0.828	0.1875	3.00	S145-093-2-DVBM	S145-093-4-DVBM	\$80.90	\$85.52
0.109 (7/64)	0.164	0.785	0.1875	3.00	S145-109-2-DVBM	S145-109-4-DVBM	\$80.90	\$85.52
0.125 (1/8)	0.188	1.096	0.250	3.00	S145-125-2-DVBM	S145-125-4-DVBM	\$84.11	\$88.73
0.156 (5/32)*	0.234	1.011	0.250	3.00	S145-156-2-DVBM	S145-156-4-DVBM	\$84.11	\$88.73
0.187 (3/16)*	0.281	0.933	0.250	3.00	S145-188-2-DVBM	S145-188-4-DVBM	\$84.11	\$88.73
0.219 (7/32)*	0.329	1.555	0.375	4.00	S145-219-2-DVBM	S145-219-4-DVBM	\$124.95	\$130.94
0.250 (1/4)*	0.375	1.470	0.375	4.00	S145-250-2-DVBM	S145-250-4-DVBM	\$124.95	\$130.94



MANUFACTURED BY MITGI: The Standard Advantage

On-site manufacturing means MITGI can ensure the quality and quick turn availability of every tool in our standard lines. But how do they compare?

For many years, MITGI has been a reliable source for high quality, hard to find specials. Manufactured with the same attention to detail, MITGI standard tools deliver the same great quality and performance that customers have come to expect from our specials.

Customers tell us that MITGI standards consistently outperform other standard tools in the marketplace. Ready to try for yourself? See page 2 for contact information.



S146

2° Square Clearance Cutter Mold Tools

FLUTES
2,4

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E					
0.015 (1/64)	0.023	1.50	0.1875	3.00	S146-015-2-CVSM	S146-015-3-CVSM	S146-015-4-CVSM	\$62.79	\$67.41
0.031 (1/32)	0.047	1.50	0.1875	3.00	S146-031-2-CVSM	S146-031-3-CVSM	S146-031-4-CVSM	\$62.79	\$67.41
0.047 (3/64)	0.071	1.50	0.1875	3.00	S146-047-2-CVSM	S146-047-3-CVSM	S146-047-4-CVSM	\$62.79	\$67.41
0.062 (1/16)	0.093	1.50	0.1875	3.00	S146-062-2-CVSM	S146-062-3-CVSM	S146-062-4-CVSM	\$76.55	\$81.17
0.078 (5/64)	0.117	1.50	0.1875	3.00	S146-078-2-CVSM	S146-078-3-CVSM	S146-078-4-CVSM	\$76.55	\$81.17
0.093 (3/32)	0.140	1.50	0.1875	3.00	S146-093-2-CVSM	S146-093-3-CVSM	S146-093-4-CVSM	\$76.55	\$81.17
0.109 (7/64)	0.164	1.50	0.1875	3.00	S146-109-2-CVSM	S146-109-3-CVSM	S146-109-4-CVSM	\$76.55	\$81.17
0.125 (1/8)	0.188	1.50	0.250	3.00	S146-125-2-CVSM	S146-125-3-CVSM	S146-125-4-CVSM	\$79.96	\$84.58
0.156 (5/32)*	0.234	1.50	0.250	3.00	S146-156-2-CVSM	S146-156-3-CVSM	S146-156-4-CVSM	\$79.96	\$84.58
0.187 (3/16)*	0.281	1.50	0.250	3.00	S146-188-2-CVSM	S146-188-3-CVSM	S146-188-4-CVSM	\$79.96	\$84.58
0.219 (7/32)*	0.329	1.50	0.375	4.00	S146-219-2-CVSM	S146-219-3-CVSM	S146-219-4-CVSM	\$119.54	\$125.53
0.250 (1/4)*	0.375	1.50	0.375	4.00	S146-250-2-CVSM	S146-250-3-CVSM	S146-250-4-CVSM	\$119.54	\$125.53

2° Square Clearance Cutter Mold Tools

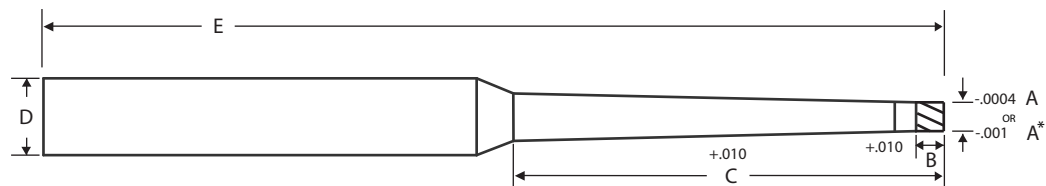
FLUTES
5

1.5X
LENGTH
OF CUT

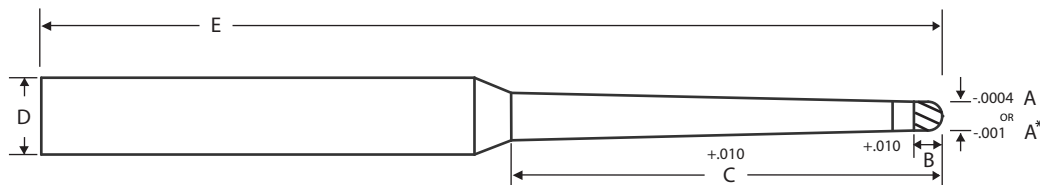
VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E			
0.031 (1/32)	0.047	1.50	0.1875	3.00	S146-031-5-CVSM	\$71.19	\$75.81
0.047 (3/64)	0.071	1.50	0.1875	3.00	S146-047-5-CVSM	\$71.19	\$75.81
0.062 (1/16)	0.093	1.50	0.1875	3.00	S146-062-5-CVSM	\$84.95	\$89.57
0.078 (5/64)	0.117	1.50	0.1875	3.00	S146-078-5-CVSM	\$84.95	\$89.57
0.093 (3/32)	0.140	1.50	0.1875	3.00	S146-093-5-CVSM	\$84.95	\$89.57
0.109 (7/64)	0.164	1.50	0.1875	3.00	S146-109-5-CVSM	\$84.95	\$89.57
0.125 (1/8)	0.188	1.50	0.250	3.00	S146-125-5-CVSM	\$88.36	\$92.98
0.156 (5/32)*	0.234	1.50	0.250	3.00	S146-156-5-CVSM	\$88.36	\$92.98
0.187 (3/16)*	0.281	1.50	0.250	3.00	S146-188-5-CVSM	\$88.36	\$92.98
0.219 (7/32)*	0.329	1.50	0.375	4.00	S146-219-5-CVSM	\$127.94	\$133.93
0.250 (1/4)*	0.375	1.50	0.375	4.00	S146-250-5-CVSM	\$127.94	\$133.93



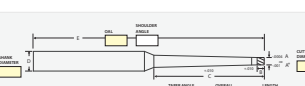
Cutter Diameter	Length of Cut	Overall Reach	Shank Diam-eter	Overall Length	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E				
0.015 (1/64)	0.023	1.50	0.1875	3.00	S148-015-2-CVBM	N/A	\$66.94	\$71.56
0.031 (1/32)	0.047	1.50	0.1875	3.00	S148-031-2-CVBM	S148-031-4-CVBM	\$66.94	\$71.56
0.047 (3/64)	0.071	1.50	0.1875	3.00	S148-047-2-CVBM	S148-047-4-CVBM	\$66.94	\$71.56
0.062 (1/16)	0.093	1.50	0.1875	3.00	S148-062-2-CVBM	S148-062-4-CVBM	\$80.90	\$85.52
0.078 (5/64)	0.117	1.50	0.1875	3.00	S148-078-2-CVBM	S148-078-4-CVBM	\$80.90	\$85.52
0.093 (3/32)	0.140	1.50	0.1875	3.00	S148-093-2-CVBM	S148-093-4-CVBM	\$80.90	\$85.52
0.109 (7/64)	0.164	1.50	0.1875	3.00	S148-109-2-CVBM	S148-109-4-CVBM	\$80.90	\$85.52
0.125 (1/8)	0.188	1.50	0.250	3.00	S148-125-2-CVBM	S148-125-4-CVBM	\$84.11	\$88.73
0.156 (5/32)*	0.234	1.50	0.250	3.00	S148-156-2-CVBM	S148-156-4-CVBM	\$84.11	\$88.73
0.187 (3/16)*	0.281	1.50	0.250	3.00	S148-188-2-CVBM	S148-188-4-CVBM	\$84.11	\$88.73
0.219 (7/32)*	0.329	1.50	0.375	4.00	S148-219-2-CVBM	S148-219-4-CVBM	\$124.95	\$130.94
0.250 (1/4)*	0.375	1.50	0.375	4.00	S148-250-2-CVBM	S148-250-4-CVBM	\$124.95	\$130.94



Custom Clearance Cutter Mold Tools



QUOTE SHEET / Clearance Cutter



ITEM	QTY	UNIT
1	1.00	EA
2	1.00	EA
3	1.00	EA
4	1.00	EA

NOTES:

1. Material and weight are approximate. Please contact us for exacting details.
2. Lead time is approximate. Please contact us for exacting details.
3. All dimensions are in inches unless otherwise specified.
4. All dimensions are to centerline unless otherwise specified.

ITEM	QTY	UNIT
1	1.00	EA
2	1.00	EA
3	1.00	EA
4	1.00	EA

NOTES:

1. Material and weight are approximate. Please contact us for exacting details.
2. Lead time is approximate. Please contact us for exacting details.
3. All dimensions are in inches unless otherwise specified.
4. All dimensions are to centerline unless otherwise specified.

Company Information

COMPANY NAME: _____

ADDRESS: _____

CITY: _____

STATE: _____

ZIP: _____

PHONE: _____

FAX: _____

EMAIL: _____

WEBSITE: _____

Tool Information

TOOL NAME: _____

TOOL NUMBER: _____

TOOL MATERIAL: _____

TOOL FINISH: _____

TOOL COATING: _____

TOOL COATING COLOR: _____

TOOL COATING TYPE: _____

TOOL COATING THICKNESS: _____

TOOL COATING METHOD: _____

TOOL COATING LOCATION: _____

TOOL COATING DATE: _____

TOOL COATING BY: _____

Schedule and Production

QUANTITY: _____

UNIT: _____

DATE: _____

TIME: _____

LOCATION: _____

CONTACT: _____

PHONE: _____

FAX: _____

EMAIL: _____

WEBSITE: _____

Quoting (GSS ONLY - GSS ONLY)

QUOTE NUMBER: _____

QUOTE DATE: _____

QUOTE TIME: _____

QUOTE LOCATION: _____

QUOTE CONTACT: _____

QUOTE PHONE: _____

QUOTE FAX: _____

QUOTE EMAIL: _____

QUOTE WEBSITE: _____

Coating (GSS ONLY - GSS ONLY)

COATING NAME: _____

COATING NUMBER: _____

COATING MATERIAL: _____

COATING FINISH: _____

COATING COATING: _____

COATING COATING COLOR: _____

COATING COATING TYPE: _____

COATING COATING THICKNESS: _____

COATING COATING METHOD: _____

COATING COATING LOCATION: _____

COATING COATING DATE: _____

COATING COATING BY: _____

End Finish (GSS ONLY - GSS ONLY)

END FINISH NAME: _____

END FINISH NUMBER: _____

END FINISH MATERIAL: _____

END FINISH FINISH: _____

END FINISH COATING: _____

END FINISH COATING COLOR: _____

END FINISH COATING TYPE: _____

END FINISH COATING THICKNESS: _____

END FINISH COATING METHOD: _____

END FINISH COATING LOCATION: _____

END FINISH COATING DATE: _____

END FINISH COATING BY: _____

**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances and number of flutes vary by design
- Specs include shoulder angle, taper angle per side, overall reach, length of cut, and cutter diameter
- Coated and uncoated
- Specials usually available in two weeks or less

Quote forms available on our website and upon request.
Contact us for an estimate today.

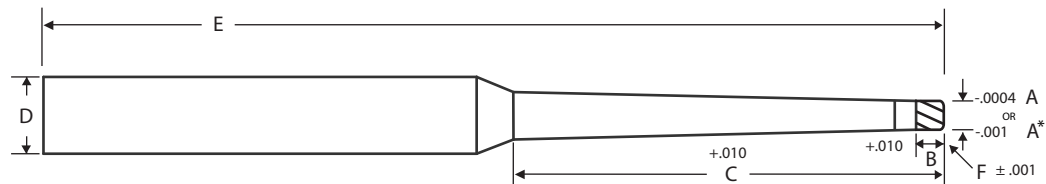


S147
2° Corner Radius Clearance Cutter Mold Tools
**FLUTES
2,4**
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F				
0.015 (1/64)	0.023	1.50	0.1875	3.00	0.003	S147-015-2-.003CVC	N/A	\$68.99	\$73.61
0.031 (1/32)	0.047	1.50	0.1875	3.00	0.005	S147-031-2-.005CVC	S147-031-4-.005CVC	\$68.99	\$73.61
0.047 (3/64)	0.071	1.50	0.1875	3.00	0.005	S147-047-2-.005CVC	S147-047-4-.005CVC	\$68.99	\$73.61
0.047 (3/64)	0.071	1.50	0.1875	3.00	0.010	S147-047-2-.010CVC	S147-047-4-.010CVC	\$68.99	\$73.61
0.062 (1/16)	0.093	1.50	0.1875	3.00	0.010	S147-062-2-.010CVC	S147-062-4-.010CVC	\$83.11	\$87.73
0.062 (1/16)	0.093	1.50	0.1875	3.00	0.015	S147-062-2-.015CVC	S147-062-4-.015CVC	\$83.11	\$87.73
0.078 (5/64)	0.117	1.50	0.1875	3.00	0.010	S147-078-2-.010CVC	S147-078-4-.010CVC	\$83.11	\$87.73
0.078 (5/64)	0.117	1.50	0.1875	3.00	0.015	S147-078-2-.015CVC	S147-078-4-.015CVC	\$83.11	\$87.73
0.093 (3/32)	0.140	1.50	0.1875	3.00	0.010	S147-093-2-.010CVC	S147-093-4-.010CVC	\$83.11	\$87.73
0.093 (3/32)	0.140	1.50	0.1875	3.00	0.015	S147-093-2-.015CVC	S147-093-4-.015CVC	\$83.11	\$87.73
0.109 (7/64)	0.164	1.50	0.1875	3.00	0.015	S147-109-2-.015CVC	S147-109-4-.015CVC	\$83.11	\$87.73
0.109 (7/64)	0.164	1.50	0.1875	3.00	0.020	S147-109-2-.020CVC	S147-109-4-.020CVC	\$83.11	\$87.73
0.125 (1/8)	0.188	1.50	0.250	3.00	0.015	S147-125-2-.015CVC	S147-125-4-.015CVC	\$87.36	\$91.98
0.125 (1/8)	0.188	1.50	0.250	3.00	0.020	S147-125-2-.020CVC	S147-125-4-.020CVC	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.50	0.250	3.00	0.015	S147-156-2-.015CVC	S147-156-4-.015CVC	\$87.36	\$91.98
0.156 (5/32)*	0.234	1.50	0.250	3.00	0.020	S147-156-2-.020CVC	S147-156-4-.020CVC	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.50	0.250	3.00	0.015	S147-188-2-.015CVC	S147-188-4-.015CVC	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.50	0.250	3.00	0.020	S147-188-2-.020CVC	S147-188-4-.020CVC	\$87.36	\$91.98
0.187 (3/16)*	0.281	1.50	0.250	3.00	0.031	S147-188-2-.031CVC	S147-188-4-.031CVC	\$87.36	\$91.98
0.219 (7/32)*	0.329	1.50	0.375	4.00	0.015	S147-219-2-.015CVC	S147-219-4-.015CVC	\$131.41	\$137.39
0.219 (7/32)*	0.329	1.50	0.375	4.00	0.020	S147-219-2-.020CVC	S147-219-4-.020CVC	\$131.41	\$137.39
0.219 (7/32)*	0.329	1.50	0.375	4.00	0.031	S147-219-2-.031CVC	S147-219-4-.031CVC	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.50	0.375	4.00	0.015	S147-250-2-.015CVC	S147-250-4-.015CVC	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.50	0.375	4.00	0.020	S147-250-2-.020CVC	S147-250-4-.020CVC	\$131.41	\$137.39
0.250 (1/4)*	0.375	1.50	0.375	4.00	0.031	S147-250-2-.031CVC	S147-250-4-.031CVC	\$131.41	\$137.39



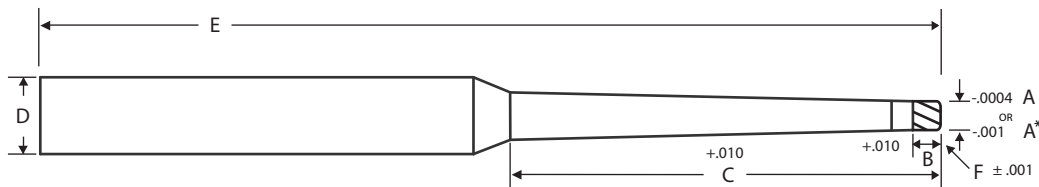
2° Corner Radius Clearance Cutter Mold Tools

S147
**FLUTES
5**
**1.5X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	C	D	E	F			
0.047 (3/64)	0.071	1.50	0.1875	3.00	0.005	S147-047-5-.005CVCM	\$77.39	\$82.01
0.047 (3/64)	0.071	1.50	0.1875	3.00	0.010	S147-047-5-.010CVCM	\$77.39	\$82.01
0.062 (1/16)	0.093	1.50	0.1875	3.00	0.010	S147-062-5-.010CVCM	\$91.51	\$96.13
0.062 (1/16)	0.093	1.50	0.1875	3.00	0.015	S147-062-5-.015CVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	1.50	0.1875	3.00	0.010	S147-078-5-.010CVCM	\$91.51	\$96.13
0.078 (5/64)	0.117	1.50	0.1875	3.00	0.015	S147-078-5-.015CVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	1.50	0.1875	3.00	0.010	S147-093-5-.010CVCM	\$91.51	\$96.13
0.093 (3/32)	0.140	1.50	0.1875	3.00	0.015	S147-093-5-.015CVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	1.50	0.1875	3.00	0.015	S147-109-5-.015CVCM	\$91.51	\$96.13
0.109 (7/64)	0.164	1.50	0.1875	3.00	0.020	S147-109-5-.020CVCM	\$91.51	\$96.13
0.125 (1/8)	0.188	1.50	0.250	3.00	0.015	S147-125-5-.015CVCM	\$95.76	\$100.38
0.125 (1/8)	0.188	1.50	0.250	3.00	0.020	S147-125-5-.020CVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.50	0.250	3.00	0.015	S147-156-5-.015CVCM	\$95.76	\$100.38
0.156 (5/32)*	0.234	1.50	0.250	3.00	0.020	S147-156-5-.020CVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.50	0.250	3.00	0.015	S147-188-5-.015CVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.50	0.250	3.00	0.020	S147-188-5-.020CVCM	\$95.76	\$100.38
0.187 (3/16)*	0.281	1.50	0.250	3.00	0.031	S147-188-5-.031CVCM	\$95.76	\$100.38
0.219 (7/32)*	0.329	1.50	0.375	4.00	0.015	S147-219-5-.015CVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	1.50	0.375	4.00	0.020	S147-219-5-.020CVCM	\$139.81	\$145.79
0.219 (7/32)*	0.329	1.50	0.375	4.00	0.031	S147-219-5-.031CVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.50	0.375	4.00	0.015	S147-250-5-.015CVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.50	0.375	4.00	0.020	S147-250-5-.020CVCM	\$139.81	\$145.79
0.250 (1/4)*	0.375	1.50	0.375	4.00	0.031	S147-250-5-.031CVCM	\$139.81	\$145.79


IN STOCK, ON DEMAND
P.117

All standard tools can be manufactured and shipped within 3 days of receiving the purchase order. See page 117 for more information regarding turnaround times, stocking programs, and delivery times for both standard and custom tools.



MADE IN THE USA

MANUFACTURED BY MITGI

PHONE: (320) 455-0535

WWW.MITGI.US

129

S149

0.5° Square Tapered Rib Cutter Mold Tools

FLUTES
3,4

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S149-015-3-TASM8X	N/A	\$55.07	\$59.69
0.015 (1/64)	0.180	0.1875	3.00	S149-015-3-TASM12X	N/A	\$55.07	\$59.69
0.031 (1/32)	0.248	0.1875	3.00	S149-031-3-TASM8X	S149-031-4-TASM8X	\$65.42	\$70.04
0.031 (1/32)	0.372	0.1875	3.00	S149-031-3-TASM12X	S149-031-4-TASM12X	\$65.42	\$70.04
0.047 (3/64)	0.376	0.1875	3.00	S149-047-3-TASM8X	S149-047-4-TASM8X	\$65.42	\$70.04
0.047 (3/64)	0.564	0.1875	3.00	S149-047-3-TASM12X	S149-047-4-TASM12X	\$65.42	\$70.04
0.062 (1/16)	0.496	0.1875	3.00	S149-062-3-TASM8X	S149-062-4-TASM8X	\$65.42	\$70.04
0.062 (1/16)	0.744	0.1875	3.00	S149-062-3-TASM12X	S149-062-4-TASM12X	\$77.81	\$82.43
0.078 (5/64)	0.624	0.1875	3.00	S149-078-3-TASM8X	S149-078-4-TASM8X	\$77.81	\$82.43
0.078 (5/64)	0.936	0.1875	3.00	S149-078-3-TASM12X	S149-078-4-TASM12X	\$77.81	\$82.43
0.093 (3/32)	0.744	0.1875	3.00	S149-093-3-TASM8X	S149-093-4-TASM8X	\$77.81	\$82.43
0.093 (3/32)	1.116	0.1875	3.00	S149-093-3-TASM12X	S149-093-4-TASM12X	\$77.81	\$82.43
0.109 (7/64)	0.872	0.1875	3.00	S149-109-3-TASM8X	S149-109-4-TASM8X	\$77.81	\$82.43
0.125 (1/8)	1.000	0.1875	3.00	S149-125-3-TASM8X	S149-125-4-TASM8X	\$77.81	\$82.43
0.156 (5/32)*	1.248	0.250	3.00	S149-156-3-TASM8X	S149-156-4-TASM8X	\$77.81	\$82.43
0.187 (3/16)*	1.496	0.250	4.00	S149-188-3-TASM8X	S149-188-4-TASM8X	\$77.81	\$82.43

0.5° Square Tapered Rib Cutter Mold Tools

FLUTES
5

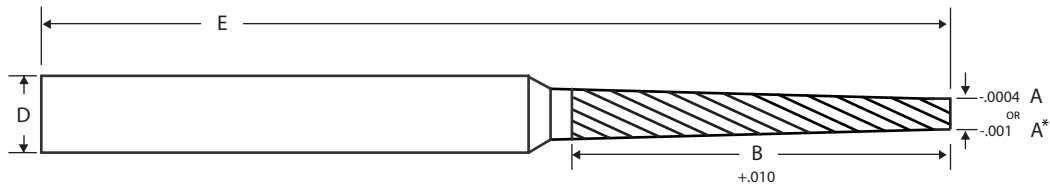
8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.047 (3/64)	0.376	0.1875	3.00	S149-047-5-TASM8X	\$73.82	\$78.44
0.047 (3/64)	0.564	0.1875	3.00	S149-047-5-TASM12X	\$73.82	\$78.44
0.062 (1/16)	0.496	0.1875	3.00	S149-062-5-TASM8X	\$73.82	\$78.44
0.062 (1/16)	0.744	0.1875	3.00	S149-062-5-TASM12X	\$86.21	\$90.83
0.078 (5/64)	0.624	0.1875	3.00	S149-078-5-TASM8X	\$86.21	\$90.83
0.078 (5/64)	0.936	0.1875	3.00	S149-078-5-TASM12X	\$86.21	\$90.83
0.093 (3/32)	0.744	0.1875	3.00	S149-093-5-TASM8X	\$86.21	\$90.83
0.093 (3/32)	1.116	0.1875	3.00	S149-093-5-TASM12X	\$86.21	\$90.83
0.109 (7/64)	0.872	0.1875	3.00	S149-109-5-TASM8X	\$86.21	\$90.83
0.125 (1/8)	1.000	0.1875	3.00	S149-125-5-TASM8X	\$86.21	\$90.83
0.156 (5/32)*	1.248	0.250	3.00	S149-156-5-TASM8X	\$86.21	\$90.83
0.187 (3/16)*	1.496	0.250	4.00	S149-188-5-TASM8X	\$86.21	\$90.83



1° Square Tapered Rib Cutter Mold Tools

S150

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S150-015-3-TASM8X	N/A	\$55.07	\$59.69
0.015 (1/64)	0.180	0.1875	3.00	S150-015-3-TASM12X	N/A	\$55.07	\$59.69
0.031 (1/32)	0.248	0.1875	3.00	S150-031-3-TASM8X	S150-031-4-TASM8X	\$65.42	\$70.04
0.031 (1/32)	0.372	0.1875	3.00	S150-031-3-TASM12X	S150-031-4-TASM12X	\$65.42	\$70.04
0.047 (3/64)	0.376	0.1875	3.00	S150-047-3-TASM8X	S150-047-4-TASM8X	\$65.42	\$70.04
0.047 (3/64)	0.564	0.1875	3.00	S150-047-3-TASM12X	S150-047-4-TASM12X	\$65.42	\$70.04
0.062 (1/16)	0.496	0.1875	3.00	S150-062-3-TASM8X	S150-062-4-TASM8X	\$65.42	\$70.04
0.062 (1/16)	0.744	0.1875	3.00	S150-062-3-TASM12X	S150-062-4-TASM12X	\$77.81	\$82.43
0.078 (5/64)	0.624	0.1875	3.00	S150-078-3-TASM8X	S150-078-4-TASM8X	\$77.81	\$82.43
0.078 (5/64)	0.936	0.1875	3.00	S150-078-3-TASM12X	S150-078-4-TASM12X	\$77.81	\$82.43
0.093 (3/32)	0.744	0.1875	3.00	S150-093-3-TASM8X	S150-093-4-TASM8X	\$77.81	\$82.43
0.093 (3/32)	1.116	0.1875	3.00	S150-093-3-TASM12X	S150-093-4-TASM12X	\$77.81	\$82.43
0.109 (7/64)	0.872	0.1875	3.00	S150-109-3-TASM8X	S150-109-4-TASM8X	\$77.81	\$82.43
0.125 (1/8)	1.000	0.1875	3.00	S150-125-3-TASM8X	S150-125-4-TASM8X	\$77.81	\$82.43
0.156 (5/32)*	1.248	0.250	3.00	S150-156-3-TASM8X	S150-156-4-TASM8X	\$77.81	\$82.43
0.187 (3/16)*	1.496	0.250	4.00	S150-188-3-TASM8X	S150-188-4-TASM8X	\$77.81	\$82.43

**FLUTES
3,4**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

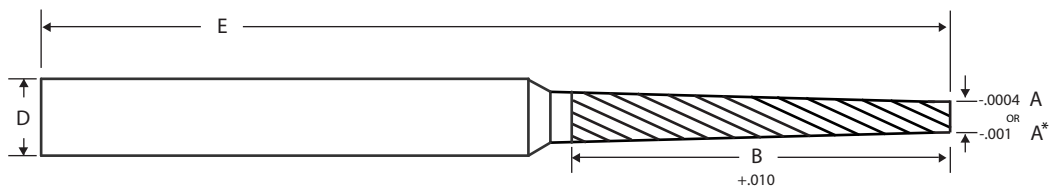
**QUICK TURN
SPECIALS**

1° Square Tapered Rib Cutter Mold Tools

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AITIN Coated Price
A	B	D	E			
0.047 (3/64)	0.376	0.1875	3.00	S150-047-5-TASM8X	\$73.82	\$78.44
0.047 (3/64)	0.564	0.1875	3.00	S150-047-5-TASM12X	\$73.82	\$78.44
0.062 (1/16)	0.496	0.1875	3.00	S150-062-5-TASM8X	\$73.82	\$78.44
0.062 (1/16)	0.744	0.1875	3.00	S150-062-5-TASM12X	\$86.21	\$90.83
0.078 (5/64)	0.624	0.1875	3.00	S150-078-5-TASM8X	\$86.21	\$90.83
0.078 (5/64)	0.936	0.1875	3.00	S150-078-5-TASM12X	\$86.21	\$90.83
0.093 (3/32)	0.744	0.1875	3.00	S150-093-5-TASM8X	\$86.21	\$90.83
0.093 (3/32)	1.116	0.1875	3.00	S150-093-5-TASM12X	\$86.21	\$90.83
0.109 (7/64)	0.872	0.1875	3.00	S150-109-5-TASM8X	\$86.21	\$90.83
0.125 (1/8)	1.000	0.1875	3.00	S150-125-5-TASM8X	\$86.21	\$90.83
0.156 (5/32)*	1.248	0.250	3.00	S150-156-5-TASM8X	\$86.21	\$90.83
0.187 (3/16)*	1.496	0.250	4.00	S150-188-5-TASM8X	\$86.21	\$90.83

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


S151

1.5° Square Tapered Rib Cutter Mold Tools

FLUTES
3,4

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S151-015-3-TASM8X	N/A	\$55.07	\$59.69
0.015 (1/64)	0.180	0.1875	3.00	S151-015-3-TASM12X	N/A	\$55.07	\$59.69
0.031 (1/32)	0.248	0.1875	3.00	S151-031-3-TASM8X	S151-031-4-TASM8X	\$65.42	\$70.04
0.031 (1/32)	0.372	0.1875	3.00	S151-031-3-TASM12X	S151-031-4-TASM12X	\$65.42	\$70.04
0.047 (3/64)	0.376	0.1875	3.00	S151-047-3-TASM8X	S151-047-4-TASM8X	\$65.42	\$70.04
0.047 (3/64)	0.564	0.1875	3.00	S151-047-3-TASM12X	S151-047-4-TASM12X	\$65.42	\$70.04
0.062 (1/16)	0.496	0.1875	3.00	S151-062-3-TASM8X	S151-062-4-TASM8X	\$65.42	\$70.04
0.062 (1/16)	0.744	0.1875	3.00	S151-062-3-TASM12X	S151-062-4-TASM12X	\$77.81	\$82.43
0.078 (5/64)	0.624	0.1875	3.00	S151-078-3-TASM8X	S151-078-4-TASM8X	\$77.81	\$82.43
0.078 (5/64)	0.936	0.1875	3.00	S151-078-3-TASM12X	S151-078-4-TASM12X	\$77.81	\$82.43
0.093 (3/32)	0.744	0.1875	3.00	S151-093-3-TASM8X	S151-093-4-TASM8X	\$77.81	\$82.43
0.093 (3/32)	1.116	0.1875	3.00	S151-093-3-TASM12X	S151-093-4-TASM12X	\$77.81	\$82.43
0.109 (7/64)	0.872	0.1875	3.00	S151-109-3-TASM8X	S151-109-4-TASM8X	\$77.81	\$82.43
0.125 (1/8)	1.000	0.1875	3.00	S151-125-3-TASM8X	S151-125-4-TASM8X	\$77.81	\$82.43
0.156 (5/32)*	1.248	0.250	3.00	S151-156-3-TASM8X	S151-156-4-TASM8X	\$77.81	\$82.43
0.187 (3/16)*	1.496	0.375	4.00	S151-188-3-TASM8X	S151-188-4-TASM8X	\$87.26	\$93.24

1.5° Square Tapered Rib Cutter Mold Tools

FLUTES
5

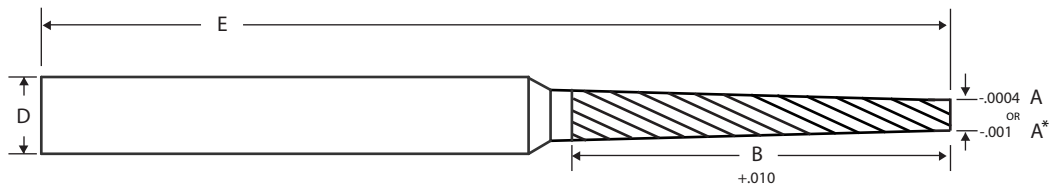
8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.047 (3/64)	0.376	0.1875	3.00	S151-047-5-TASM8X	\$73.82	\$78.44
0.047 (3/64)	0.564	0.1875	3.00	S151-047-5-TASM12X	\$73.82	\$78.44
0.062 (1/16)	0.496	0.1875	3.00	S151-062-5-TASM8X	\$73.82	\$78.44
0.062 (1/16)	0.744	0.1875	3.00	S151-062-5-TASM12X	\$86.21	\$90.83
0.078 (5/64)	0.624	0.1875	3.00	S151-078-5-TASM8X	\$86.21	\$90.83
0.078 (5/64)	0.936	0.1875	3.00	S151-078-5-TASM12X	\$86.21	\$90.83
0.093 (3/32)	0.744	0.1875	3.00	S151-093-5-TASM8X	\$86.21	\$90.83
0.093 (3/32)	1.116	0.1875	3.00	S151-093-5-TASM12X	\$86.21	\$90.83
0.109 (7/64)	0.872	0.1875	3.00	S151-109-5-TASM8X	\$86.21	\$90.83
0.125 (1/8)	1.000	0.1875	3.00	S151-125-5-TASM8X	\$86.21	\$90.83
0.156 (5/32)*	1.248	0.250	3.00	S151-156-5-TASM8X	\$86.21	\$90.83
0.187 (3/16)*	1.496	0.375	4.00	S151-188-5-TASM8X	\$95.66	\$101.64



2° Square Tapered Rib Cutter Mold Tools

S152

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S152-015-3-TASM8X	N/A	\$55.07	\$59.69
0.015 (1/64)	0.180	0.1875	3.00	S152-015-3-TASM12X	N/A	\$55.07	\$59.69
0.031 (1/32)	0.248	0.1875	3.00	S152-031-3-TASM8X	S152-031-4-TASM8X	\$65.42	\$70.04
0.031 (1/32)	0.372	0.1875	3.00	S152-031-3-TASM12X	S152-031-4-TASM12X	\$65.42	\$70.04
0.047 (3/64)	0.376	0.1875	3.00	S152-047-3-TASM8X	S152-047-4-TASM8X	\$65.42	\$70.04
0.047 (3/64)	0.564	0.1875	3.00	S152-047-3-TASM12X	S152-047-4-TASM12X	\$65.42	\$70.04
0.062 (1/16)	0.496	0.1875	3.00	S152-062-3-TASM8X	S152-062-4-TASM8X	\$65.42	\$70.04
0.062 (1/16)	0.744	0.1875	3.00	S152-062-3-TASM12X	S152-062-4-TASM12X	\$77.81	\$82.43
0.078 (5/64)	0.624	0.1875	3.00	S152-078-3-TASM8X	S152-078-4-TASM8X	\$77.81	\$82.43
0.078 (5/64)	0.936	0.1875	3.00	S152-078-3-TASM12X	S152-078-4-TASM12X	\$77.81	\$82.43
0.093 (3/32)	0.744	0.1875	3.00	S152-093-3-TASM8X	S152-093-4-TASM8X	\$77.81	\$82.43
0.093 (3/32)	1.116	0.1875	3.00	S152-093-3-TASM12X	S152-093-4-TASM12X	\$77.81	\$82.43
0.109 (7/64)	0.872	0.1875	3.00	S152-109-3-TASM8X	S152-109-4-TASM8X	\$77.81	\$82.43
0.125 (1/8)	1.000	0.250	3.00	S152-125-3-TASM8X	S152-125-4-TASM8X	\$77.81	\$82.43
0.156 (5/32)*	1.248	0.250	3.00	S152-156-3-TASM8X	S152-156-4-TASM8X	\$77.81	\$82.43
0.187 (3/16)*	1.496	0.375	4.00	S152-188-3-TASM8X	S152-188-4-TASM8X	\$87.26	\$93.24

**FLUTES
3,4**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

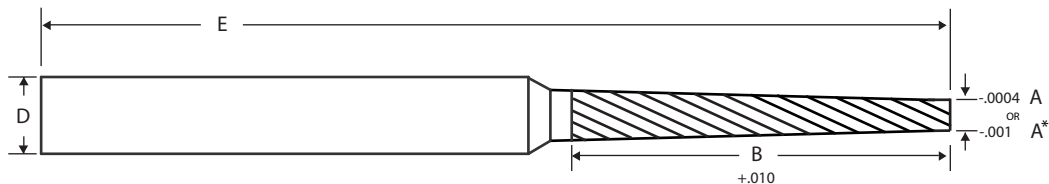
**QUICK TURN
SPECIALS**

2° Square Tapered Rib Cutter Mold Tools

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AITIN Coated Price
A	B	D	E			
0.047 (3/64)	0.376	0.1875	3.00	S152-047-5-TASM8X	\$73.82	\$78.44
0.047 (3/64)	0.564	0.1875	3.00	S152-047-5-TASM12X	\$73.82	\$78.44
0.062 (1/16)	0.496	0.1875	3.00	S152-062-5-TASM8X	\$73.82	\$78.44
0.062 (1/16)	0.744	0.1875	3.00	S152-062-5-TASM12X	\$86.21	\$90.83
0.078 (5/64)	0.624	0.1875	3.00	S152-078-5-TASM8X	\$86.21	\$90.83
0.078 (5/64)	0.936	0.1875	3.00	S152-078-5-TASM12X	\$86.21	\$90.83
0.093 (3/32)	0.744	0.1875	3.00	S152-093-5-TASM8X	\$86.21	\$90.83
0.093 (3/32)	1.116	0.1875	3.00	S152-093-5-TASM12X	\$86.21	\$90.83
0.109 (7/64)	0.872	0.1875	3.00	S152-109-5-TASM8X	\$86.21	\$90.83
0.125 (1/8)	1.000	0.250	3.00	S152-125-5-TASM8X	\$86.21	\$90.83
0.156 (5/32)*	1.248	0.250	3.00	S152-156-5-TASM8X	\$86.21	\$90.83
0.187 (3/16)*	1.496	0.375	4.00	S152-188-5-TASM8X	\$95.66	\$101.64

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


S153

3° Square Tapered Rib Cutter Mold Tools

FLUTES
3,4

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S153-015-3-TASM8X	N/A	\$55.07	\$59.69
0.015 (1/64)	0.180	0.1875	3.00	S153-015-3-TASM12X	N/A	\$55.07	\$59.69
0.031 (1/32)	0.248	0.1875	3.00	S153-031-3-TASM8X	S153-031-4-TASM8X	\$65.42	\$70.04
0.031 (1/32)	0.372	0.1875	3.00	S153-031-3-TASM12X	S153-031-4-TASM12X	\$65.42	\$70.04
0.047 (3/64)	0.376	0.1875	3.00	S153-047-3-TASM8X	S153-047-4-TASM8X	\$65.42	\$70.04
0.047 (3/64)	0.564	0.1875	3.00	S153-047-3-TASM12X	S153-047-4-TASM12X	\$65.42	\$70.04
0.062 (1/16)	0.496	0.1875	3.00	S153-062-3-TASM8X	S153-062-4-TASM8X	\$65.42	\$70.04
0.062 (1/16)	0.744	0.1875	3.00	S153-062-3-TASM12X	S153-062-4-TASM12X	\$77.81	\$82.43
0.078 (5/64)	0.624	0.1875	3.00	S153-078-3-TASM8X	S153-078-4-TASM8X	\$77.81	\$82.43
0.078 (5/64)	0.936	0.1875	3.00	S153-078-3-TASM12X	S153-078-4-TASM12X	\$77.81	\$82.43
0.093 (3/32)	0.744	0.1875	3.00	S153-093-3-TASM8X	S153-093-4-TASM8X	\$77.81	\$82.43
0.093 (3/32)	1.116	0.250	3.00	S153-093-3-TASM12X	S153-093-4-TASM12X	\$77.81	\$82.43
0.109 (7/64)	0.872	0.250	3.00	S153-109-3-TASM8X	S153-109-4-TASM8X	\$77.81	\$82.43
0.125 (1/8)	1.000	0.250	3.00	S153-125-3-TASM8X	S153-125-4-TASM8X	\$77.81	\$82.43
0.156 (5/32)*	1.248	0.375	3.00	S153-156-3-TASM8X	S153-156-4-TASM8X	\$87.26	\$93.24
0.187 (3/16)*	1.496	0.375	4.00	S153-188-3-TASM8X	S153-188-4-TASM8X	\$87.26	\$93.24

3° Square Tapered Rib Cutter Mold Tools

FLUTES
5

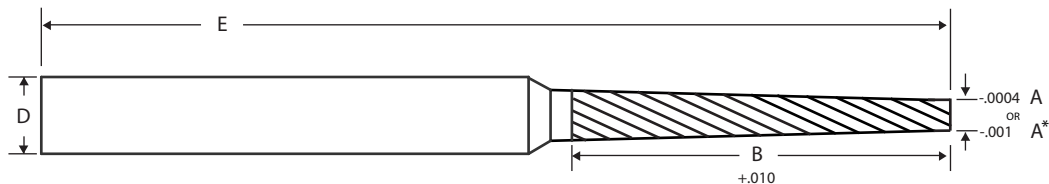
8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.047 (3/64)	0.376	0.1875	3.00	S153-047-5-TASM8X	\$73.82	\$78.44
0.047 (3/64)	0.564	0.1875	3.00	S153-047-5-TASM12X	\$73.82	\$78.44
0.062 (1/16)	0.496	0.1875	3.00	S153-062-5-TASM8X	\$73.82	\$78.44
0.062 (1/16)	0.744	0.1875	3.00	S153-062-5-TASM12X	\$86.21	\$90.83
0.078 (5/64)	0.624	0.1875	3.00	S153-078-5-TASM8X	\$86.21	\$90.83
0.078 (5/64)	0.936	0.1875	3.00	S153-078-5-TASM12X	\$86.21	\$90.83
0.093 (3/32)	0.744	0.1875	3.00	S153-093-5-TASM8X	\$86.21	\$90.83
0.093 (3/32)	1.116	0.250	3.00	S153-093-5-TASM12X	\$86.21	\$90.83
0.109 (7/64)	0.872	0.250	3.00	S153-109-5-TASM8X	\$86.21	\$90.83
0.125 (1/8)	1.000	0.250	3.00	S153-125-5-TASM8X	\$86.21	\$90.83
0.156 (5/32)*	1.248	0.375	3.00	S153-156-5-TASM8X	\$95.66	\$101.64
0.187 (3/16)*	1.496	0.375	4.00	S153-188-5-TASM8X	\$95.66	\$101.64



5° Square Tapered Rib Cutter Mold Tools

S154

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S154-015-3-TASM8X	N/A	\$55.07	\$59.69
0.015 (1/64)	0.180	0.1875	3.00	S154-015-3-TASM12X	N/A	\$55.07	\$59.69
0.020	0.160	0.1875	3.00	S154-020-3-TASM8X	N/A	\$55.07	\$59.69
0.020	0.240	0.1875	3.00	S154-020-3-TASM12X	N/A	\$55.07	\$59.69
0.031 (1/32)	0.248	0.1875	3.00	S154-031-3-TASM8X	S154-031-4-TASM8X	\$65.42	\$70.04
0.031 (1/32)	0.372	0.1875	3.00	S154-031-3-TASM12X	S154-031-4-TASM12X	\$65.42	\$70.04
0.047 (3/64)	0.376	0.1875	3.00	S154-047-3-TASM8X	S154-047-4-TASM8X	\$65.42	\$70.04
0.047 (3/64)	0.564	0.1875	3.00	S154-047-3-TASM12X	S154-047-4-TASM12X	\$65.42	\$70.04
0.062 (1/16)	0.496	0.250	3.00	S154-062-3-TASM8X	S154-062-4-TASM8X	\$65.42	\$70.04
0.062 (1/16)	0.744	0.250	3.00	S154-062-3-TASM12X	S154-062-4-TASM12X	\$77.81	\$82.43
0.078 (5/64)	0.624	0.250	3.00	S154-078-3-TASM8X	S154-078-4-TASM8X	\$77.81	\$82.43
0.078 (5/64)	0.936	0.250	3.00	S154-078-3-TASM12X	S154-078-4-TASM12X	\$77.81	\$82.43
0.093 (3/32)	0.744	0.3125	3.00	S154-093-3-TASM8X	S154-093-4-TASM8X	\$86.21	\$92.19
0.093 (3/32)	1.116	0.3125	3.00	S154-093-3-TASM12X	S154-093-4-TASM12X	\$86.21	\$92.19
0.109 (7/64)	0.872	0.3125	3.00	S154-109-3-TASM8X	S154-109-4-TASM8X	\$86.21	\$92.19
0.125 (1/8)	1.000	0.3125	3.00	S154-125-3-TASM8X	S154-125-4-TASM8X	\$86.21	\$92.19
0.156 (5/32)*	1.248	0.375	3.00	S154-156-3-TASM8X	S154-156-4-TASM8X	\$88.31	\$94.29
0.187 (3/16)*	1.496	0.500	4.00	S154-188-3-TASM8X	S154-188-4-TASM8X	\$109.31	\$117.60

**FLUTES
3,4**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

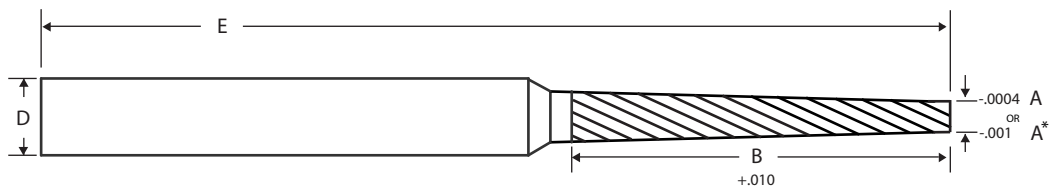
**QUICK TURN
SPECIALS**

5° Square Tapered Rib Cutter Mold Tools

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.047 (3/64)	0.376	0.1875	3.00	S154-047-5-TASM8X	\$73.82	\$78.44
0.047 (3/64)	0.564	0.1875	3.00	S154-047-5-TASM12X	\$73.82	\$78.44
0.062 (1/16)	0.496	0.250	3.00	S154-062-5-TASM8X	\$73.82	\$78.44
0.062 (1/16)	0.744	0.250	3.00	S154-062-5-TASM12X	\$86.21	\$90.83
0.078 (5/64)	0.624	0.250	3.00	S154-078-5-TASM8X	\$86.21	\$90.83
0.078 (5/64)	0.936	0.250	3.00	S154-078-5-TASM12X	\$86.21	\$90.83
0.093 (3/32)	0.744	0.3125	3.00	S154-093-5-TASM8X	\$94.61	\$100.59
0.093 (3/32)	1.116	0.3125	3.00	S154-093-5-TASM12X	\$94.61	\$100.59
0.109 (7/64)	0.872	0.3125	3.00	S154-109-5-TASM8X	\$94.61	\$100.59
0.125 (1/8)	1.000	0.3125	3.00	S154-125-5-TASM8X	\$94.61	\$100.59
0.156 (5/32)*	1.248	0.375	3.00	S154-156-5-TASM8X	\$96.71	\$102.69
0.187 (3/16)*	1.496	0.500	4.00	S154-188-5-TASM8X	\$117.71	\$126.00

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

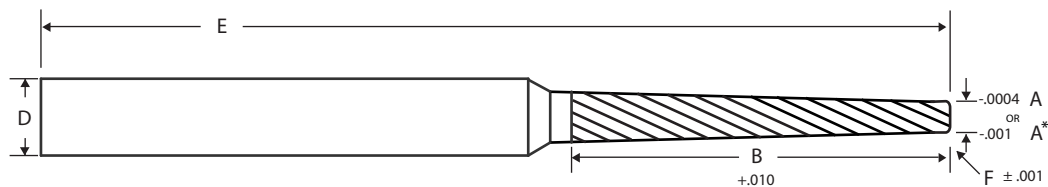
**QUICK TURN
SPECIALS**


S155
0.5° Corner Radius Tapered Rib Cutter Mold Tools
**FLUTES
3,4**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F				
0.015 (1/64)	0.120	0.1875	3.00	0.003	S155-015-3-.003TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.003	S155-015-3-.003TACM12X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.120	0.1875	3.00	0.005	S155-015-3-.005TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.005	S155-015-3-.005TACM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	0.003	S155-031-3-.003TACM8X	S155-031-4-.003TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.003	S155-031-3-.003TACM12X	S155-031-4-.003TACM12X	\$72.77	\$77.39
0.031 (1/32)	0.248	0.1875	3.00	0.005	S155-031-3-.005TACM8X	S155-031-4-.005TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.005	S155-031-3-.005TACM12X	S155-031-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.005	S155-047-3-.005TACM8X	S155-047-4-.005TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.005	S155-047-3-.005TACM12X	S155-047-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.010	S155-047-3-.010TACM8X	S155-047-4-.010TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.010	S155-047-3-.010TACM12X	S155-047-4-.010TACM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	0.005	S155-062-3-.005TACM8X	S155-062-4-.005TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.005	S155-062-3-.005TACM12X	S155-062-4-.005TACM12X	\$85.16	\$89.78
0.062 (1/16)	0.496	0.1875	3.00	0.015	S155-062-3-.015TACM8X	S155-062-4-.015TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.015	S155-062-3-.015TACM12X	S155-062-4-.015TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.005	S155-078-3-.005TACM8X	S155-078-4-.005TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.005	S155-078-3-.005TACM12X	S155-078-4-.005TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.015	S155-078-3-.015TACM8X	S155-078-4-.015TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.015	S155-078-3-.015TACM12X	S155-078-4-.015TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.005	S155-093-3-.005TACM8X	S155-093-4-.005TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.005	S155-093-3-.005TACM12X	S155-093-4-.005TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.015	S155-093-3-.015TACM8X	S155-093-4-.015TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.015	S155-093-3-.015TACM12X	S155-093-4-.015TACM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.005	S155-109-3-.005TACM8X	S155-109-4-.005TACM8X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.015	S155-109-3-.015TACM8X	S155-109-4-.015TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.005	S155-125-3-.005TACM8X	S155-125-4-.005TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.015	S155-125-3-.015TACM8X	S155-125-4-.015TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.005	S155-156-3-.005TACM8X	S155-156-4-.005TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.015	S155-156-3-.015TACM8X	S155-156-4-.015TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	0.005	S155-188-3-.005TACM8X	S155-188-4-.005TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	0.015	S155-188-3-.015TACM8X	S155-188-4-.015TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	0.031	S155-188-3-.031TACM8X	S155-188-4-.031TACM8X	\$85.16	\$89.78



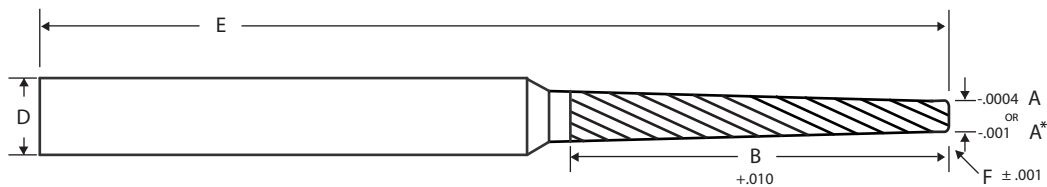
0.5° Corner Radius Tapered Rib Cutter Mold Tools

S155

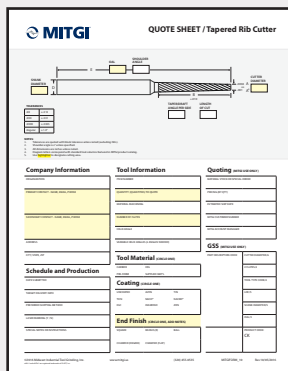
Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.047 (3/64)	0.376	0.1875	3.00	0.005	S155-047-5-.005TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.005	S155-047-5-.005TACM12X	\$81.17	\$85.79
0.047 (3/64)	0.376	0.1875	3.00	0.010	S155-047-5-.010TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.010	S155-047-5-.010TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.005	S155-062-5-.005TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.005	S155-062-5-.005TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.015	S155-062-5-.015TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.015	S155-062-5-.015TACM12X	\$81.17	\$85.79
0.078 (5/64)	0.624	0.1875	3.00	0.005	S155-078-5-.005TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.005	S155-078-5-.005TACM12X	\$93.56	\$98.18
0.078 (5/64)	0.624	0.1875	3.00	0.015	S155-078-5-.015TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.015	S155-078-5-.015TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.005	S155-093-5-.005TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.005	S155-093-5-.005TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.015	S155-093-5-.015TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.015	S155-093-5-.015TACM12X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.005	S155-109-5-.005TACM8X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.015	S155-109-5-.015TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.005	S155-125-5-.005TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.015	S155-125-5-.015TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.005	S155-156-5-.005TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.015	S155-156-5-.015TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.250	4.00	0.005	S155-188-5-.005TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.250	4.00	0.015	S155-188-5-.015TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.250	4.00	0.031	S155-188-5-.031TACM8X	\$93.56	\$98.18

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


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S156

1° Corner Radius Tapered Rib Cutter Mold Tools

**FLUTES
3,4**

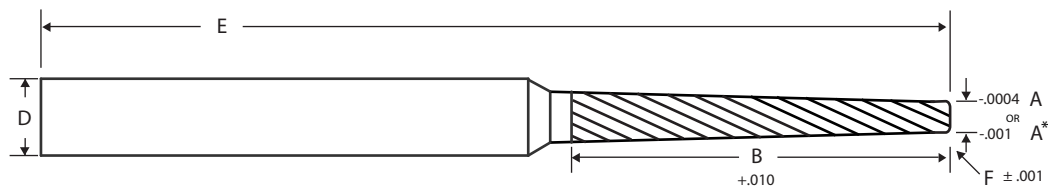
**8X
LENGTH
OF CUT**

**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F				
0.015 (1/64)	0.120	0.1875	3.00	0.003	S156-015-3-.003TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.003	S156-015-3-.003TACM12X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.120	0.1875	3.00	0.005	S156-015-3-.005TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.005	S156-015-3-.005TACM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	0.003	S156-031-3-.003TACM8X	S156-031-4-.003TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.003	S156-031-3-.003TACM12X	S156-031-4-.003TACM12X	\$72.77	\$77.39
0.031 (1/32)	0.248	0.1875	3.00	0.005	S156-031-3-.005TACM8X	S156-031-4-.005TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.005	S156-031-3-.005TACM12X	S156-031-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.005	S156-047-3-.005TACM8X	S156-047-4-.005TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.005	S156-047-3-.005TACM12X	S156-047-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.010	S156-047-3-.010TACM8X	S156-047-4-.010TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.010	S156-047-3-.010TACM12X	S156-047-4-.010TACM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	0.005	S156-062-3-.005TACM8X	S156-062-4-.005TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.005	S156-062-3-.005TACM12X	S156-062-4-.005TACM12X	\$85.16	\$89.78
0.062 (1/16)	0.496	0.1875	3.00	0.015	S156-062-3-.015TACM8X	S156-062-4-.015TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.015	S156-062-3-.015TACM12X	S156-062-4-.015TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.005	S156-078-3-.005TACM8X	S156-078-4-.005TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.005	S156-078-3-.005TACM12X	S156-078-4-.005TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.015	S156-078-3-.015TACM8X	S156-078-4-.015TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.015	S156-078-3-.015TACM12X	S156-078-4-.015TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.005	S156-093-3-.005TACM8X	S156-093-4-.005TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.005	S156-093-3-.005TACM12X	S156-093-4-.005TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.015	S156-093-3-.015TACM8X	S156-093-4-.015TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.015	S156-093-3-.015TACM12X	S156-093-4-.015TACM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.005	S156-109-3-.005TACM8X	S156-109-4-.005TACM8X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.015	S156-109-3-.015TACM8X	S156-109-4-.015TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.005	S156-125-3-.005TACM8X	S156-125-4-.005TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.015	S156-125-3-.015TACM8X	S156-125-4-.015TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.005	S156-156-3-.005TACM8X	S156-156-4-.005TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.015	S156-156-3-.015TACM8X	S156-156-4-.015TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	0.005	S156-188-3-.005TACM8X	S156-188-4-.005TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	0.015	S156-188-3-.015TACM8X	S156-188-4-.015TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	0.031	S156-188-3-.031TACM8X	S156-188-4-.031TACM8X	\$85.16	\$89.78



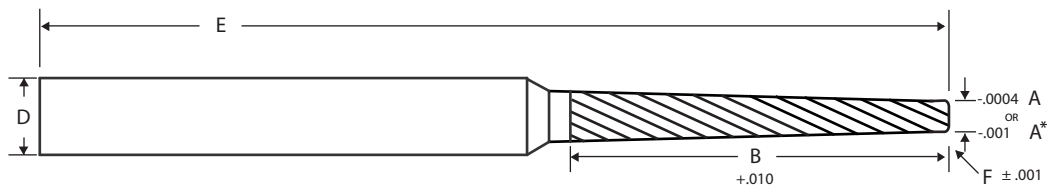
1° Corner Radius Tapered Rib Cutter Mold Tools

S156

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.047 (3/64)	0.376	0.1875	3.00	0.005	S156-047-5-.005TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.005	S156-047-5-.005TACM12X	\$81.17	\$85.79
0.047 (3/64)	0.376	0.1875	3.00	0.010	S156-047-5-.010TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.010	S156-047-5-.010TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.005	S156-062-5-.005TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.005	S156-062-5-.005TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.015	S156-062-5-.015TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.015	S156-062-5-.015TACM12X	\$81.17	\$85.79
0.078 (5/64)	0.624	0.1875	3.00	0.005	S156-078-5-.005TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.005	S156-078-5-.005TACM12X	\$93.56	\$98.18
0.078 (5/64)	0.624	0.1875	3.00	0.015	S156-078-5-.015TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.015	S156-078-5-.015TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.005	S156-093-5-.005TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.005	S156-093-5-.005TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.015	S156-093-5-.015TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.015	S156-093-5-.015TACM12X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.005	S156-109-5-.005TACM8X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.015	S156-109-5-.015TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.005	S156-125-5-.005TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.015	S156-125-5-.015TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.005	S156-156-5-.005TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.015	S156-156-5-.015TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.250	4.00	0.005	S156-188-5-.005TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.250	4.00	0.015	S156-188-5-.015TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.250	4.00	0.031	S156-188-5-.031TACM8X	\$93.56	\$98.18

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


Tips on Selecting the Right Tool for the Job

Number of Flutes	Primary Uses	Ideal Cutting Materials
2-3	Tools with fewer flutes allow optimal space for chip removal when milling or slotting softer materials. Also used for roughing.	Soft materials, such as aluminum and plastics.
3-4	Adding flutes provides greater strength. Recommended for use with roughing, milling, and slotting a variety of materials. Can also be used for finishing softer materials.	Hard materials, such as stainless steel, steel, and titanium.
5 +	Ideal for use in finishing work, when using faster feed rates, and with reduced chip load.	Harder materials, such as steel, or for finishing a variety of materials.



S157

1.5° Corner Radius Tapered Rib Cutter Mold Tools

**FLUTES
3,4**

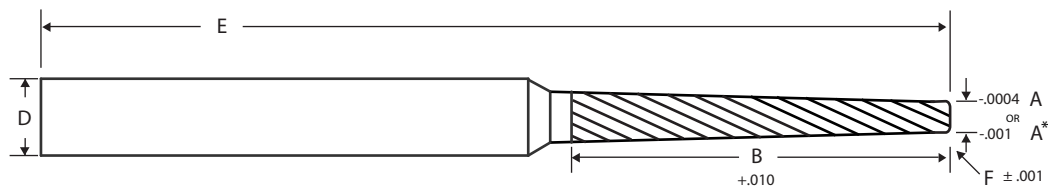
**8X
LENGTH
OF CUT**

**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F				
0.015 (1/64)	0.120	0.1875	3.00	0.003	S157-015-3-.003TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.003	S157-015-3-.003TACM12X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.120	0.1875	3.00	0.005	S157-015-3-.005TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.005	S157-015-3-.005TACM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	0.003	S157-031-3-.003TACM8X	S157-031-4-.003TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.003	S157-031-3-.003TACM12X	S157-031-4-.003TACM12X	\$72.77	\$77.39
0.031 (1/32)	0.248	0.1875	3.00	0.005	S157-031-3-.005TACM8X	S157-031-4-.005TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.005	S157-031-3-.005TACM12X	S157-031-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.005	S157-047-3-.005TACM8X	S157-047-4-.005TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.005	S157-047-3-.005TACM12X	S157-047-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.010	S157-047-3-.010TACM8X	S157-047-4-.010TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.010	S157-047-3-.010TACM12X	S157-047-4-.010TACM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	0.005	S157-062-3-.005TACM8X	S157-062-4-.005TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.005	S157-062-3-.005TACM12X	S157-062-4-.005TACM12X	\$85.16	\$89.78
0.062 (1/16)	0.496	0.1875	3.00	0.015	S157-062-3-.015TACM8X	S157-062-4-.015TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.015	S157-062-3-.015TACM12X	S157-062-4-.015TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.005	S157-078-3-.005TACM8X	S157-078-4-.005TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.005	S157-078-3-.005TACM12X	S157-078-4-.005TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.015	S157-078-3-.015TACM8X	S157-078-4-.015TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.015	S157-078-3-.015TACM12X	S157-078-4-.015TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.005	S157-093-3-.005TACM8X	S157-093-4-.005TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.005	S157-093-3-.005TACM12X	S157-093-4-.005TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.015	S157-093-3-.015TACM8X	S157-093-4-.015TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.015	S157-093-3-.015TACM12X	S157-093-4-.015TACM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.005	S157-109-3-.005TACM8X	S157-109-4-.005TACM8X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.015	S157-109-3-.015TACM8X	S157-109-4-.015TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.005	S157-125-3-.005TACM8X	S157-125-4-.005TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.015	S157-125-3-.015TACM8X	S157-125-4-.015TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.005	S157-156-3-.005TACM8X	S157-156-4-.005TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.015	S157-156-3-.015TACM8X	S157-156-4-.015TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.375	4.00	0.005	S157-188-3-.005TACM8X	S157-188-4-.005TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.015	S157-188-3-.015TACM8X	S157-188-4-.015TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.031	S157-188-3-.031TACM8X	S157-188-4-.031TACM8X	\$94.61	\$100.59



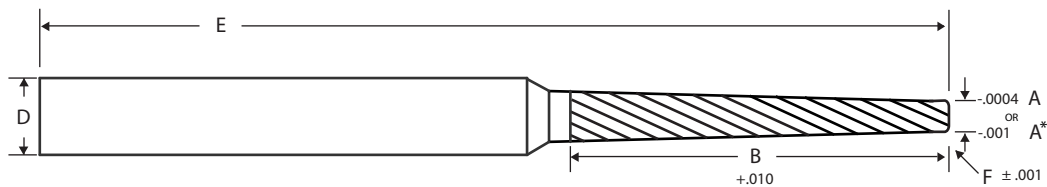
1.5° Corner Radius Tapered Rib Cutter Mold Tools

S157

Cutter Diameter A	Length of Cut B	Shank Diameter D	Overall Length E	Corner Radius F	5 Flute Tool #	Price	AlTiN Coated Price
0.047 (3/64)	0.376	0.1875	3.00	0.005	S157-047-5-.005TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.005	S157-047-5-.005TACM12X	\$81.17	\$85.79
0.047 (3/64)	0.376	0.1875	3.00	0.010	S157-047-5-.010TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.010	S157-047-5-.010TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.005	S157-062-5-.005TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.005	S157-062-5-.005TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.015	S157-062-5-.015TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.015	S157-062-5-.015TACM12X	\$81.17	\$85.79
0.078 (5/64)	0.624	0.1875	3.00	0.005	S157-078-5-.005TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.005	S157-078-5-.005TACM12X	\$93.56	\$98.18
0.078 (5/64)	0.624	0.1875	3.00	0.015	S157-078-5-.015TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.015	S157-078-5-.015TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.005	S157-093-5-.005TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.005	S157-093-5-.005TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.015	S157-093-5-.015TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.015	S157-093-5-.015TACM12X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.005	S157-109-5-.005TACM8X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.015	S157-109-5-.015TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.005	S157-125-5-.005TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.015	S157-125-5-.015TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.005	S157-156-5-.005TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.015	S157-156-5-.015TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.375	4.00	0.005	S157-188-5-.005TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.015	S157-188-5-.015TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.031	S157-188-5-.031TACM8X	\$103.01	\$108.99

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


Need your coated tool quickly? All standard tools are available AlTiN coated in 3 days or less. See page 117 for more details.

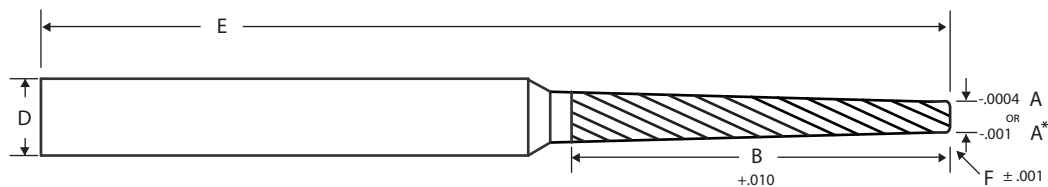


S158
2° Corner Radius Tapered Rib Cutter Mold Tools
**FLUTES
3,4**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F				
0.015 (1/64)	0.120	0.1875	3.00	0.003	S158-015-3-.003TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.003	S158-015-3-.003TACM12X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.120	0.1875	3.00	0.005	S158-015-3-.005TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.005	S158-015-3-.005TACM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	0.003	S158-031-3-.003TACM8X	S158-031-4-.003TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.003	S158-031-3-.003TACM12X	S158-031-4-.003TACM12X	\$72.77	\$77.39
0.031 (1/32)	0.248	0.1875	3.00	0.005	S158-031-3-.005TACM8X	S158-031-4-.005TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.005	S158-031-3-.005TACM12X	S158-031-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.005	S158-047-3-.005TACM8X	S158-047-4-.005TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.005	S158-047-3-.005TACM12X	S158-047-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.010	S158-047-3-.010TACM8X	S158-047-4-.010TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.010	S158-047-3-.010TACM12X	S158-047-4-.010TACM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	0.005	S158-062-3-.005TACM8X	S158-062-4-.005TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.005	S158-062-3-.005TACM12X	S158-062-4-.005TACM12X	\$85.16	\$89.78
0.062 (1/16)	0.496	0.1875	3.00	0.015	S158-062-3-.015TACM8X	S158-062-4-.015TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.015	S158-062-3-.015TACM12X	S158-062-4-.015TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.005	S158-078-3-.005TACM8X	S158-078-4-.005TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.005	S158-078-3-.005TACM12X	S158-078-4-.005TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.015	S158-078-3-.015TACM8X	S158-078-4-.015TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.015	S158-078-3-.015TACM12X	S158-078-4-.015TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.005	S158-093-3-.005TACM8X	S158-093-4-.005TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.005	S158-093-3-.005TACM12X	S158-093-4-.005TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	0.015	S158-093-3-.015TACM8X	S158-093-4-.015TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	0.015	S158-093-3-.015TACM12X	S158-093-4-.015TACM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.005	S158-109-3-.005TACM8X	S158-109-4-.005TACM8X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	0.015	S158-109-3-.015TACM8X	S158-109-4-.015TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.005	S158-125-3-.005TACM8X	S158-125-4-.005TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	0.015	S158-125-3-.015TACM8X	S158-125-4-.015TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.005	S158-156-3-.005TACM8X	S158-156-4-.005TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	0.015	S158-156-3-.015TACM8X	S158-156-4-.015TACM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.375	4.00	0.005	S158-188-3-.005TACM8X	S158-188-4-.005TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.015	S158-188-3-.015TACM8X	S158-188-4-.015TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.031	S158-188-3-.031TACM8X	S158-188-4-.031TACM8X	\$94.61	\$100.59



2° Corner Radius Tapered Rib Cutter Mold Tools

S158

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.047 (3/64)	0.376	0.1875	3.00	0.005	S158-047-5-.005TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.005	S158-047-5-.005TACM12X	\$81.17	\$85.79
0.047 (3/64)	0.376	0.1875	3.00	0.010	S158-047-5-.010TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.010	S158-047-5-.010TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.005	S158-062-5-.005TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.005	S158-062-5-.005TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.015	S158-062-5-.015TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.015	S158-062-5-.015TACM12X	\$81.17	\$85.79
0.078 (5/64)	0.624	0.1875	3.00	0.005	S158-078-5-.005TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.005	S158-078-5-.005TACM12X	\$93.56	\$98.18
0.078 (5/64)	0.624	0.1875	3.00	0.015	S158-078-5-.015TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.015	S158-078-5-.015TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.005	S158-093-5-.005TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.005	S158-093-5-.005TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.1875	3.00	0.015	S158-093-5-.015TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.1875	3.00	0.015	S158-093-5-.015TACM12X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.005	S158-109-5-.005TACM8X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.1875	3.00	0.015	S158-109-5-.015TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.005	S158-125-5-.005TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.1875	3.00	0.015	S158-125-5-.015TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.005	S158-156-5-.005TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.250	3.00	0.015	S158-156-5-.015TACM8X	\$93.56	\$98.18
0.187 (3/16)*	1.496	0.375	4.00	0.005	S158-188-5-.005TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.015	S158-188-5-.015TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.031	S158-188-5-.031TACM8X	\$103.01	\$108.99

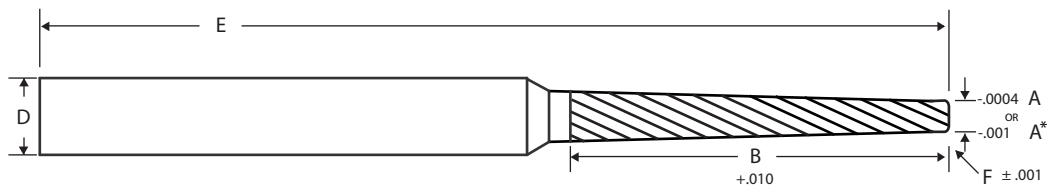
FLUTES
5

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**



MITGI INSIDE ACCOUNT REPRESENTATIVES

P. 2

MITGI Inside Account Representatives are the right resources for quote requests, to place orders, check inventory, or provide tracking. See page 2 for more info.



S159

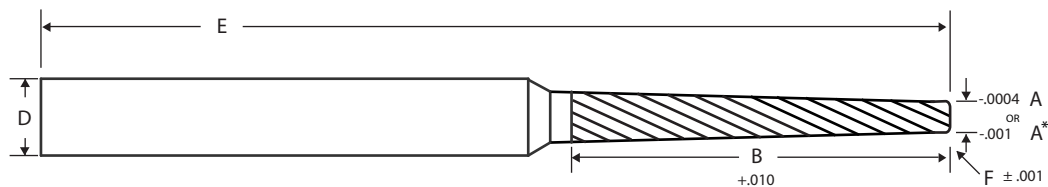
3° Corner Radius Tapered Rib Cutter Mold Tools

**FLUTES
3,4**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F				
0.015 (1/64)	0.120	0.1875	3.00	0.003	S159-015-3-.003TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.003	S159-015-3-.003TACM12X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.120	0.1875	3.00	0.005	S159-015-3-.005TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.005	S159-015-3-.005TACM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	0.003	S159-031-3-.003TACM8X	S159-031-4-.003TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.003	S159-031-3-.003TACM12X	S159-031-4-.003TACM12X	\$72.77	\$77.39
0.031 (1/32)	0.248	0.1875	3.00	0.005	S159-031-3-.005TACM8X	S159-031-4-.005TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.005	S159-031-3-.005TACM12X	S159-031-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.005	S159-047-3-.005TACM8X	S159-047-4-.005TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.005	S159-047-3-.005TACM12X	S159-047-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.010	S159-047-3-.010TACM8X	S159-047-4-.010TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.010	S159-047-3-.010TACM12X	S159-047-4-.010TACM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	0.005	S159-062-3-.005TACM8X	S159-062-4-.005TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.005	S159-062-3-.005TACM12X	S159-062-4-.005TACM12X	\$85.16	\$89.78
0.062 (1/16)	0.496	0.1875	3.00	0.015	S159-062-3-.015TACM8X	S159-062-4-.015TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.1875	3.00	0.015	S159-062-3-.015TACM12X	S159-062-4-.015TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.005	S159-078-3-.005TACM8X	S159-078-4-.005TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.005	S159-078-3-.005TACM12X	S159-078-4-.005TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	0.015	S159-078-3-.015TACM8X	S159-078-4-.015TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	0.015	S159-078-3-.015TACM12X	S159-078-4-.015TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.250	3.00	0.005	S159-093-3-.005TACM8X	S159-093-4-.005TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.250	3.00	0.005	S159-093-3-.005TACM12X	S159-093-4-.005TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.250	3.00	0.015	S159-093-3-.015TACM8X	S159-093-4-.015TACM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.250	3.00	0.015	S159-093-3-.015TACM12X	S159-093-4-.015TACM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.250	3.00	0.005	S159-109-3-.005TACM8X	S159-109-4-.005TACM8X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.250	3.00	0.015	S159-109-3-.015TACM8X	S159-109-4-.015TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.250	3.00	0.005	S159-125-3-.005TACM8X	S159-125-4-.005TACM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.250	3.00	0.015	S159-125-3-.015TACM8X	S159-125-4-.015TACM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.375	3.00	0.005	S159-156-3-.005TACM8X	S159-156-4-.005TACM8X	\$94.61	\$100.59
0.156 (5/32)*	1.248	0.375	3.00	0.015	S159-156-3-.015TACM8X	S159-156-4-.015TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.005	S159-188-3-.005TACM8X	S159-188-4-.005TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.015	S159-188-3-.015TACM8X	S159-188-4-.015TACM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	0.031	S159-188-3-.031TACM8X	S159-188-4-.031TACM8X	\$94.61	\$100.59



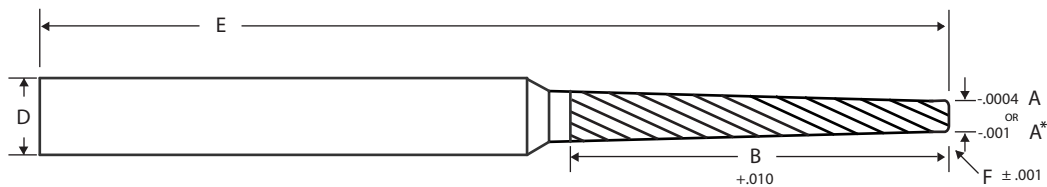
3° Corner Radius Tapered Rib Cutter Mold Tools

S159

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.047 (3/64)	0.376	0.1875	3.00	0.005	S159-047-5-.005TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.005	S159-047-5-.005TACM12X	\$81.17	\$85.79
0.047 (3/64)	0.376	0.1875	3.00	0.010	S159-047-5-.010TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.010	S159-047-5-.010TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.005	S159-062-5-.005TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.005	S159-062-5-.005TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.1875	3.00	0.015	S159-062-5-.015TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.1875	3.00	0.015	S159-062-5-.015TACM12X	\$81.17	\$85.79
0.078 (5/64)	0.624	0.1875	3.00	0.005	S159-078-5-.005TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.005	S159-078-5-.005TACM12X	\$93.56	\$98.18
0.078 (5/64)	0.624	0.1875	3.00	0.015	S159-078-5-.015TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.1875	3.00	0.015	S159-078-5-.015TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.250	3.00	0.005	S159-093-5-.005TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.250	3.00	0.005	S159-093-5-.005TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.250	3.00	0.015	S159-093-5-.015TACM8X	\$93.56	\$98.18
0.093 (3/32)	1.116	0.250	3.00	0.015	S159-093-5-.015TACM12X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.250	3.00	0.005	S159-109-5-.005TACM8X	\$93.56	\$98.18
0.109 (7/64)	0.872	0.250	3.00	0.015	S159-109-5-.015TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.250	3.00	0.005	S159-125-5-.005TACM8X	\$93.56	\$98.18
0.125 (1/8)	1.000	0.250	3.00	0.015	S159-125-5-.015TACM8X	\$93.56	\$98.18
0.156 (5/32)*	1.248	0.375	3.00	0.005	S159-156-5-.005TACM8X	\$103.01	\$108.99
0.156 (5/32)*	1.248	0.375	3.00	0.015	S159-156-5-.015TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.005	S159-188-5-.005TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.015	S159-188-5-.015TACM8X	\$103.01	\$108.99
0.187 (3/16)*	1.496	0.375	4.00	0.031	S159-188-5-.031TACM8X	\$103.01	\$108.99

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


SPECIALS

P.206

MITGI specializes in custom micro tools that are needed quickly or are difficult to find. See pages 206-207 for more info regarding custom tool capabilities, estimated production times, and information about how to place an order.



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145

S160

5° Corner Radius Tapered Rib Cutter Mold Tools

**FLUTES
3,4**

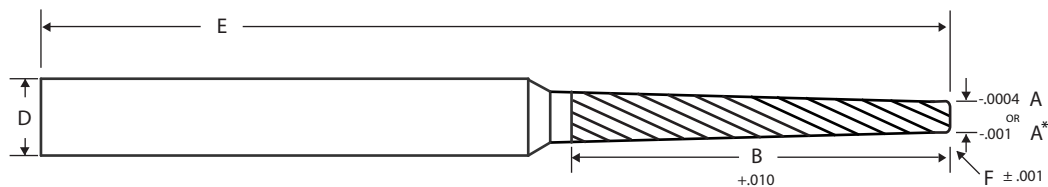
**8X
LENGTH
OF CUT**

**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E	F				
0.015 (1/64)	0.120	0.1875	3.00	0.003	S160-015-3-.003TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.003	S160-015-3-.003TACM12X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.120	0.1875	3.00	0.005	S160-015-3-.005TACM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	0.005	S160-015-3-.005TACM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	0.003	S160-031-3-.003TACM8X	S160-031-4-.003TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.003	S160-031-3-.003TACM12X	S160-031-4-.003TACM12X	\$72.77	\$77.39
0.031 (1/32)	0.248	0.1875	3.00	0.005	S160-031-3-.005TACM8X	S160-031-4-.005TACM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	0.005	S160-031-3-.005TACM12X	S160-031-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.005	S160-047-3-.005TACM8X	S160-047-4-.005TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.005	S160-047-3-.005TACM12X	S160-047-4-.005TACM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	0.010	S160-047-3-.010TACM8X	S160-047-4-.010TACM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	0.010	S160-047-3-.010TACM12X	S160-047-4-.010TACM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.250	3.00	0.005	S160-062-3-.005TACM8X	S160-062-4-.005TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.250	3.00	0.005	S160-062-3-.005TACM12X	S160-062-4-.005TACM12X	\$85.16	\$89.78
0.062 (1/16)	0.496	0.250	3.00	0.015	S160-062-3-.015TACM8X	S160-062-4-.015TACM8X	\$85.16	\$89.78
0.062 (1/16)	0.744	0.250	3.00	0.015	S160-062-3-.015TACM12X	S160-062-4-.015TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.250	3.00	0.005	S160-078-3-.005TACM8X	S160-078-4-.005TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.250	3.00	0.005	S160-078-3-.005TACM12X	S160-078-4-.005TACM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.250	3.00	0.015	S160-078-3-.015TACM8X	S160-078-4-.015TACM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.250	3.00	0.015	S160-078-3-.015TACM12X	S160-078-4-.015TACM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.3125	3.00	0.005	S160-093-3-.005TACM8X	S160-093-4-.005TACM8X	\$93.56	\$99.54
0.093 (3/32)	1.116	0.3125	3.00	0.005	S160-093-3-.005TACM12X	S160-093-4-.005TACM12X	\$93.56	\$99.54
0.093 (3/32)	0.744	0.3125	3.00	0.015	S160-093-3-.015TACM8X	S160-093-4-.015TACM8X	\$93.56	\$99.54
0.093 (3/32)	1.116	0.3125	3.00	0.015	S160-093-3-.015TACM12X	S160-093-4-.015TACM12X	\$93.56	\$99.54
0.109 (7/64)	0.872	0.3125	3.00	0.005	S160-109-3-.005TACM8X	S160-109-4-.005TACM8X	\$93.56	\$99.54
0.109 (7/64)	0.872	0.3125	3.00	0.015	S160-109-3-.015TACM8X	S160-109-4-.015TACM8X	\$93.56	\$99.54
0.125 (1/8)	1.000	0.3125	3.00	0.005	S160-125-3-.005TACM8X	S160-125-4-.005TACM8X	\$93.56	\$99.54
0.125 (1/8)	1.000	0.3125	3.00	0.015	S160-125-3-.015TACM8X	S160-125-4-.015TACM8X	\$93.56	\$99.54
0.156 (5/32)*	1.248	0.375	3.00	0.005	S160-156-3-.005TACM8X	S160-156-4-.005TACM8X	\$95.66	\$101.64
0.156 (5/32)*	1.248	0.375	3.00	0.015	S160-156-3-.015TACM8X	S160-156-4-.015TACM8X	\$95.66	\$101.64
0.187 (3/16)*	1.496	0.500	4.00	0.005	S160-188-3-.005TACM8X	S160-188-4-.005TACM8X	\$116.66	\$124.95
0.187 (3/16)*	1.496	0.500	4.00	0.015	S160-188-3-.015TACM8X	S160-188-4-.015TACM8X	\$116.66	\$124.95
0.187 (3/16)*	1.496	0.500	4.00	0.031	S160-188-3-.031TACM8X	S160-188-4-.031TACM8X	\$116.66	\$124.95



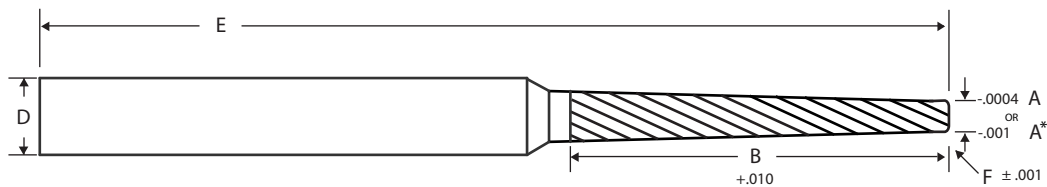
5° Corner Radius Tapered Rib Cutter Mold Tools

S160

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Corner Radius	5 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E	F			
0.047 (3/64)	0.376	0.1875	3.00	0.005	S160-047-5-.005TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.005	S160-047-5-.005TACM12X	\$81.17	\$85.79
0.047 (3/64)	0.376	0.1875	3.00	0.010	S160-047-5-.010TACM8X	\$81.17	\$85.79
0.047 (3/64)	0.564	0.1875	3.00	0.010	S160-047-5-.010TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.250	3.00	0.005	S160-062-5-.005TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.250	3.00	0.005	S160-062-5-.005TACM12X	\$81.17	\$85.79
0.062 (1/16)	0.496	0.250	3.00	0.015	S160-062-5-.015TACM8X	\$81.17	\$85.79
0.062 (1/16)	0.744	0.250	3.00	0.015	S160-062-5-.015TACM12X	\$81.17	\$85.79
0.078 (5/64)	0.624	0.250	3.00	0.005	S160-078-5-.005TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.250	3.00	0.005	S160-078-5-.005TACM12X	\$93.56	\$98.18
0.078 (5/64)	0.624	0.250	3.00	0.015	S160-078-5-.015TACM8X	\$93.56	\$98.18
0.078 (5/64)	0.936	0.250	3.00	0.015	S160-078-5-.015TACM12X	\$93.56	\$98.18
0.093 (3/32)	0.744	0.3125	3.00	0.005	S160-093-5-.005TACM8X	\$101.96	\$107.94
0.093 (3/32)	1.116	0.3125	3.00	0.005	S160-093-5-.005TACM12X	\$101.96	\$107.94
0.093 (3/32)	0.744	0.3125	3.00	0.015	S160-093-5-.015TACM8X	\$101.96	\$107.94
0.093 (3/32)	1.116	0.3125	3.00	0.015	S160-093-5-.015TACM12X	\$101.96	\$107.94
0.109 (7/64)	0.872	0.3125	3.00	0.005	S160-109-5-.005TACM8X	\$101.96	\$107.94
0.109 (7/64)	0.872	0.3125	3.00	0.015	S160-109-5-.015TACM8X	\$101.96	\$107.94
0.125 (1/8)	1.000	0.3125	3.00	0.005	S160-125-5-.005TACM8X	\$101.96	\$107.94
0.125 (1/8)	1.000	0.3125	3.00	0.015	S160-125-5-.015TACM8X	\$101.96	\$107.94
0.156 (5/32)*	1.248	0.375	3.00	0.005	S160-156-5-.005TACM8X	\$104.06	\$110.04
0.156 (5/32)*	1.248	0.375	3.00	0.015	S160-156-5-.015TACM8X	\$104.06	\$110.04
0.187 (3/16)*	1.496	0.500	4.00	0.005	S160-188-5-.005TACM8X	\$125.06	\$133.35
0.187 (3/16)*	1.496	0.500	4.00	0.015	S160-188-5-.015TACM8X	\$125.06	\$133.35
0.187 (3/16)*	1.496	0.500	4.00	0.031	S160-188-5-.031TACM8X	\$125.06	\$133.35

**FLUTES
5**
**8X
LENGTH
OF CUT**
**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**


Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.



MADE IN THE USA

MANUFACTURED BY MITGI

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147

S161

0.5° Ball Tapered Rib Cutter Mold Tools

FLUTES
3,4

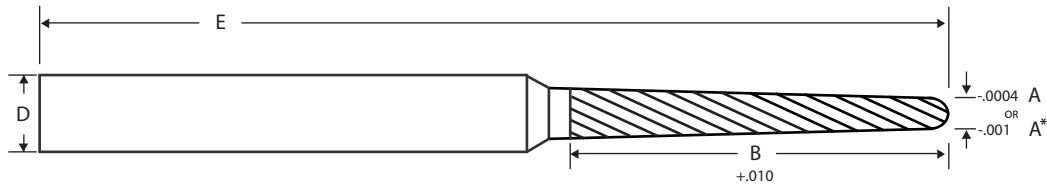
8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S161-015-3-TABM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	S161-015-3-TABM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	S161-031-3-TABM8X	S161-031-4-TABM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	S161-031-3-TABM12X	S161-031-4-TABM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	S161-047-3-TABM8X	S161-047-4-TABM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	S161-047-3-TABM12X	S161-047-4-TABM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	S161-062-3-TABM8X	S161-062-4-TABM8X	\$72.77	\$77.39
0.062 (1/16)	0.744	0.1875	3.00	S161-062-3-TABM12X	S161-062-4-TABM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	S161-078-3-TABM8X	S161-078-4-TABM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	S161-078-3-TABM12X	S161-078-4-TABM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	S161-093-3-TABM8X	S161-093-4-TABM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	S161-093-3-TABM12X	S161-093-4-TABM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	S161-109-3-TABM8X	S161-109-4-TABM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	S161-125-3-TABM8X	S161-125-4-TABM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	S161-156-3-TABM8X	S161-156-4-TABM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	S161-188-3-TABM8X	S161-188-4-TABM8X	\$85.16	\$89.78



S162

1° Ball Tapered Rib Cutter Mold Tools

FLUTES
3,4

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

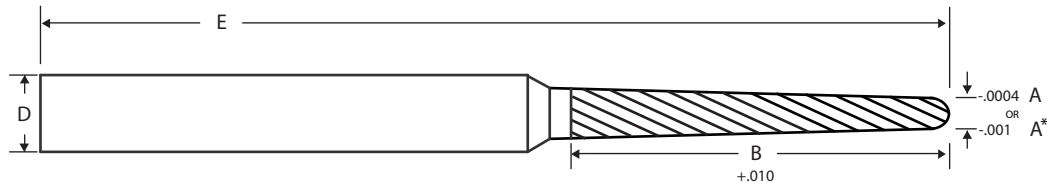
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S162-015-3-TABM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	S162-015-3-TABM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	S162-031-3-TABM8X	S162-031-4-TABM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	S162-031-3-TABM12X	S162-031-4-TABM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	S162-047-3-TABM8X	S162-047-4-TABM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	S162-047-3-TABM12X	S162-047-4-TABM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	S162-062-3-TABM8X	S162-062-4-TABM8X	\$72.77	\$77.39
0.062 (1/16)	0.744	0.1875	3.00	S162-062-3-TABM12X	S162-062-4-TABM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	S162-078-3-TABM8X	S162-078-4-TABM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	S162-078-3-TABM12X	S162-078-4-TABM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	S162-093-3-TABM8X	S162-093-4-TABM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	S162-093-3-TABM12X	S162-093-4-TABM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	S162-109-3-TABM8X	S162-109-4-TABM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	S162-125-3-TABM8X	S162-125-4-TABM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	S162-156-3-TABM8X	S162-156-4-TABM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.250	4.00	S162-188-3-TABM8X	S162-188-4-TABM8X	\$85.16	\$89.78

1.5° Ball Tapered Rib Cutter Mold Tools

S163

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S163-015-3-TABM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	S163-015-3-TABM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	S163-031-3-TABM8X	S163-031-4-TABM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	S163-031-3-TABM12X	S163-031-4-TABM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	S163-047-3-TABM8X	S163-047-4-TABM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	S163-047-3-TABM12X	S163-047-4-TABM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	S163-062-3-TABM8X	S163-062-4-TABM8X	\$72.77	\$77.39
0.062 (1/16)	0.744	0.1875	3.00	S163-062-3-TABM12X	S163-062-4-TABM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	S163-078-3-TABM8X	S163-078-4-TABM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	S163-078-3-TABM12X	S163-078-4-TABM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	S163-093-3-TABM8X	S163-093-4-TABM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	S163-093-3-TABM12X	S163-093-4-TABM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	S163-109-3-TABM8X	S163-109-4-TABM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.1875	3.00	S163-125-3-TABM8X	S163-125-4-TABM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	S163-156-3-TABM8X	S163-156-4-TABM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.375	4.00	S163-188-3-TABM8X	S163-188-4-TABM8X	\$94.61	\$100.59



FLUTES
3,4

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS

2° Ball Tapered Rib Cutter Mold Tools

S164

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AITIN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S164-015-3-TABM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	S164-015-3-TABM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	S164-031-3-TABM8X	S164-031-4-TABM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	S164-031-3-TABM12X	S164-031-4-TABM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	S164-047-3-TABM8X	S164-047-4-TABM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	S164-047-3-TABM12X	S164-047-4-TABM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	S164-062-3-TABM8X	S164-062-4-TABM8X	\$72.77	\$77.39
0.062 (1/16)	0.744	0.1875	3.00	S164-062-3-TABM12X	S164-062-4-TABM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	S164-078-3-TABM8X	S164-078-4-TABM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	S164-078-3-TABM12X	S164-078-4-TABM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	S164-093-3-TABM8X	S164-093-4-TABM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.1875	3.00	S164-093-3-TABM12X	S164-093-4-TABM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.1875	3.00	S164-109-3-TABM8X	S164-109-4-TABM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.250	3.00	S164-125-3-TABM8X	S164-125-4-TABM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.250	3.00	S164-156-3-TABM8X	S164-156-4-TABM8X	\$85.16	\$89.78
0.187 (3/16)*	1.496	0.375	4.00	S164-188-3-TABM8X	S164-188-4-TABM8X	\$94.61	\$100.59

FLUTES
3,4

8X
LENGTH
OF CUT

12X
LENGTH
OF CUT

VARIABLE
HELIX

QUICK TURN
SPECIALS



S165

3° Ball Tapered Rib Cutter Mold Tools

**FLUTES
3,4**

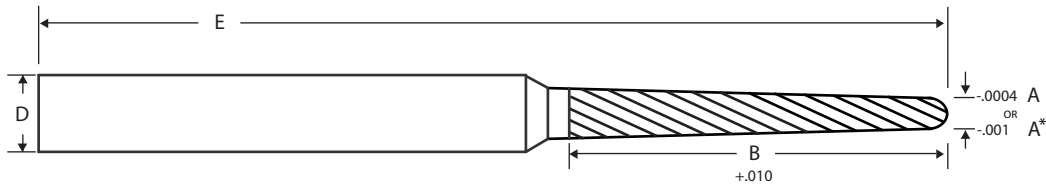
**8X
LENGTH
OF CUT**

**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S165-015-3-TABM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	S165-015-3-TABM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	S165-031-3-TABM8X	S165-031-4-TABM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	S165-031-3-TABM12X	S165-031-4-TABM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	S165-047-3-TABM8X	S165-047-4-TABM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	S165-047-3-TABM12X	S165-047-4-TABM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.1875	3.00	S165-062-3-TABM8X	S165-062-4-TABM8X	\$72.77	\$77.39
0.062 (1/16)	0.744	0.1875	3.00	S165-062-3-TABM12X	S165-062-4-TABM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.1875	3.00	S165-078-3-TABM8X	S165-078-4-TABM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.1875	3.00	S165-078-3-TABM12X	S165-078-4-TABM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.1875	3.00	S165-093-3-TABM8X	S165-093-4-TABM8X	\$85.16	\$89.78
0.093 (3/32)	1.116	0.250	3.00	S165-093-3-TABM12X	S165-093-4-TABM12X	\$85.16	\$89.78
0.109 (7/64)	0.872	0.250	3.00	S165-109-3-TABM8X	S165-109-4-TABM8X	\$85.16	\$89.78
0.125 (1/8)	1.000	0.250	3.00	S165-125-3-TABM8X	S165-125-4-TABM8X	\$85.16	\$89.78
0.156 (5/32)*	1.248	0.375	3.00	S165-156-3-TABM8X	S165-156-4-TABM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.375	4.00	S165-188-3-TABM8X	S165-188-4-TABM8X	\$94.61	\$100.59



S166

5° Ball Tapered Rib Cutter Mold Tools

**FLUTES
3,4**

**8X
LENGTH
OF CUT**

**12X
LENGTH
OF CUT**

**VARIABLE
HELIX**

**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E				
0.015 (1/64)	0.120	0.1875	3.00	S166-015-3-TABM8X	N/A	\$62.42	\$67.04
0.015 (1/64)	0.180	0.1875	3.00	S166-015-3-TABM12X	N/A	\$62.42	\$67.04
0.031 (1/32)	0.248	0.1875	3.00	S166-031-3-TABM8X	S166-031-4-TABM8X	\$72.77	\$77.39
0.031 (1/32)	0.372	0.1875	3.00	S166-031-3-TABM12X	S166-031-4-TABM12X	\$72.77	\$77.39
0.047 (3/64)	0.376	0.1875	3.00	S166-047-3-TABM8X	S166-047-4-TABM8X	\$72.77	\$77.39
0.047 (3/64)	0.564	0.1875	3.00	S166-047-3-TABM12X	S166-047-4-TABM12X	\$72.77	\$77.39
0.062 (1/16)	0.496	0.250	3.00	S166-062-3-TABM8X	S166-062-4-TABM8X	\$72.77	\$77.39
0.062 (1/16)	0.744	0.250	3.00	S166-062-3-TABM12X	S166-062-4-TABM12X	\$85.16	\$89.78
0.078 (5/64)	0.624	0.250	3.00	S166-078-3-TABM8X	S166-078-4-TABM8X	\$85.16	\$89.78
0.078 (5/64)	0.936	0.250	3.00	S166-078-3-TABM12X	S166-078-4-TABM12X	\$85.16	\$89.78
0.093 (3/32)	0.744	0.3125	3.00	S166-093-3-TABM8X	S166-093-4-TABM8X	\$93.56	\$99.54
0.093 (3/32)	1.116	0.3125	3.00	S166-093-3-TABM12X	S166-093-4-TABM12X	\$93.56	\$99.54
0.109 (7/64)	0.872	0.3125	3.00	S166-109-3-TABM8X	S166-109-4-TABM8X	\$93.56	\$99.54
0.125 (1/8)	1.000	0.3125	3.00	S166-125-3-TABM8X	S166-125-4-TABM8X	\$93.56	\$99.54
0.156 (5/32)*	1.248	0.375	3.00	S166-156-3-TABM8X	S166-156-4-TABM8X	\$94.61	\$100.59
0.187 (3/16)*	1.496	0.500	4.00	S166-188-3-TABM8X	S166-188-4-TABM8X	\$116.66	\$124.95



STANDARDS VS. SPECIALS

MITGI STANDARDS

For many jobs, standard tools are the preferred option, especially when time is the top priority. Standard tools provide an immediate manufacturing solution that can be utilized in many situations.

Key Benefits

- Readily available in a wide array of sizes, depths, geometries, and radii
- Short turn around time
- Economical choice

MITGI standards are available in 3 days or less. See product charts for available standard options.

MITGI SPECIALS

When a standard tool won't accomplish the task, turning to a custom tool is often the answer. Complex tool requirements, the need to consolidate tools in a tool station, or slight modifications to a standard tool, are all indications that moving to specials may be advantageous.

Key Benefits

- Efficiencies gained in saving machine time
- Tool geometry designed for specific material
- Reduction in labor to implement tool changes
- Greater design freedom for part design and manufacturing optimization

Simply submit a drawing or set of specifications, and we can provide a quote to match. MITGI specializes in custom work with tight tolerances, elaborate form tools, and complex combination tools. MITGI specials are usually available in 2 weeks or less. See pages 206-207 for more information.

Some tools may qualify as QUICK TURN SPECIALS and can be manufactured in three days or less. A QUICK TURN REVIEW can be requested at the time of quoting.



S17

Single Point Thread Mills

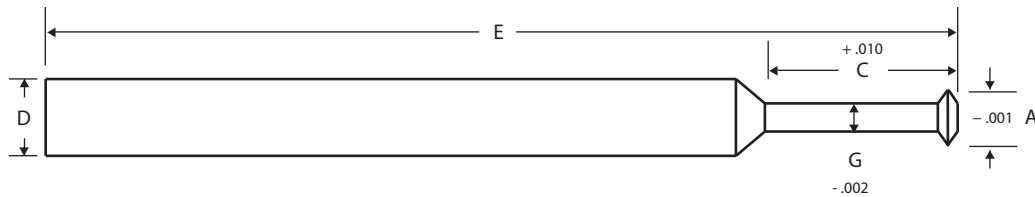
FLUTES
4

Thread Size	Cutter Diameter	Max Depth of Thread	Shank Diameter	Overall Length	Neck Diameter	4 Flute Tool #	Price	AlTiN Coated Price
	A	C	D	E	G			
0	0.044	0.094	0.125	1.50	0.024	S17-0-TM	\$83.16	\$85.47
0	0.044	0.125	0.125	1.50	0.024	S17-0-TML-.125	\$84.32	\$86.63
0	0.044	0.156	0.125	1.50	0.024	S17-0-TML-.156	\$85.47	\$87.78
0	0.044	0.250	0.125	1.50	0.024	S17-0-TML-.250	\$86.63	\$88.94
1	0.054	0.125	0.125	1.50	0.032	S17-1-TM	\$79.98	\$82.29
1	0.054	0.188	0.125	1.50	0.032	S17-1-TML-.188	\$81.14	\$83.45
1	0.054	0.250	0.125	1.50	0.032	S17-1-TML-.250	\$82.29	\$84.60
1	0.054	0.313	0.125	1.50	0.032	S17-1-TML-.313	\$83.45	\$85.76
2	0.064	0.156	0.125	1.50	0.038	S17-2-TM	\$79.98	\$82.29
2	0.064	0.219	0.125	1.50	0.038	S17-2-TML-.219	\$81.14	\$83.45
2	0.064	0.313	0.125	1.50	0.038	S17-2-TML-.313	\$82.29	\$84.60
2	0.064	0.438	0.125	1.50	0.038	S17-2-TML-.438	\$83.45	\$85.76
3	0.072	0.156	0.125	1.50	0.040	S17-3-TM	\$79.98	\$82.29
3	0.072	0.250	0.125	1.50	0.040	S17-3-TML-.250	\$81.14	\$83.45
3	0.072	0.375	0.125	1.50	0.040	S17-3-TML-.375	\$82.29	\$84.60
3	0.072	0.500	0.125	1.50	0.040	S17-3-TML-.500	\$83.45	\$85.76
4	0.080	0.125	0.125	1.50	0.035	S17-4-TM	\$76.86	\$79.17
4	0.080	0.250	0.125	1.50	0.035	S17-4-TML	\$76.86	\$79.17
4	0.080	0.375	0.125	1.50	0.035	S17-4-TML-.375	\$79.17	\$81.48
4	0.080	0.500	0.125	1.50	0.035	S17-4-TML-.500	\$80.32	\$82.63
5	0.093	0.188	0.125	1.50	0.050	S17-5-TM	\$76.86	\$79.17
5	0.093	0.250	0.125	1.50	0.050	S17-5-TML-.250	\$78.01	\$80.32
5	0.093	0.375	0.125	1.50	0.050	S17-5-TML-.375	\$79.17	\$81.48
5	0.093	0.500	0.125	1.50	0.050	S17-5-TML-.500	\$80.32	\$82.63
6	0.098	0.250	0.188	2.00	0.042	S17-6-TM	\$76.86	\$81.94
6	0.098	0.375	0.188	2.00	0.042	S17-6-TML	\$76.86	\$81.94
6	0.098	0.500	0.188	2.00	0.042	S17-6-TML-.500	\$79.17	\$84.25
6	0.098	0.625	0.188	2.00	0.042	S17-6-TML-.625	\$80.32	\$85.40
8	0.120	0.313	0.250	2.50	0.056	S17-8-TM	\$76.86	\$81.94
8	0.120	0.500	0.250	2.50	0.056	S17-8-TML	\$76.86	\$81.94
8	0.120	0.625	0.250	2.50	0.056	S17-8-TML-.625	\$79.74	\$84.82
8	0.120	0.750	0.250	2.50	0.056	S17-8-TML-.750	\$80.89	\$85.98
10	0.135	0.313	0.250	2.50	0.061	S17-10-TM	\$76.86	\$81.94
10	0.135	0.500	0.250	2.50	0.061	S17-10-TML	\$76.86	\$81.94
10	0.135	0.625	0.250	2.50	0.061	S17-10-TML-.625	\$79.74	\$84.82
10	0.135	0.875	0.250	2.50	0.061	S17-10-TML-.875	\$80.89	\$85.98
12	0.160	0.313	0.250	2.50	0.085	S17-12-TM	\$76.86	\$81.94
12	0.160	0.375	0.250	2.50	0.085	S17-12-TML-.375	\$78.58	\$83.67
12	0.160	0.625	0.250	2.50	0.085	S17-12-TML-.625	\$79.74	\$84.82
12	0.160	0.875	0.250	2.50	0.085	S17-12-TML-.875	\$80.89	\$85.98
1/4	0.180	0.500	0.250	2.50	0.091	S17-250-TM	\$79.98	\$85.06
1/4	0.180	0.750	0.250	2.50	0.091	S17-250-TML	\$79.98	\$85.06
1/4	0.180	1.000	0.250	2.50	0.091	S17-250-TML-1.00	\$83.45	\$88.53
1/4	0.180	1.250	0.250	2.50	0.091	S17-250-TML-1.25	\$84.60	\$89.68

Single Point Thread Mills

S17
**FLUTES
4**

Thread Size	Cutter Diameter	Max Depth of Thread	Shank Diameter	Overall Length	Neck Diameter	4 Flute Tool #	Price	AlTiN Coated Price
	A	C	D	E	G			
5/16	0.240	0.500	0.250	2.50	0.142	S17-3125-TM	\$81.05	\$86.13
5/16	0.240	0.750	0.250	2.50	0.142	S17-3125-TML	\$81.05	\$86.13
5/16	0.240	1.000	0.250	2.50	0.142	S17-3125-TML-1.00	\$84.51	\$89.60
5/16	0.240	1.250	0.250	2.50	0.142	S17-3125-TML-1.25	\$85.67	\$90.75
3/8	0.300	0.750	0.375	2.50	0.190	S17-375-TM	\$103.99	\$110.58
3/8	0.300	1.000	0.375	2.50	0.190	S17-375-TML	\$103.99	\$110.58
3/8	0.300	1.250	0.375	2.50	0.190	S17-375-TML-1.25	\$107.46	\$114.05
3/8	0.300	1.500	0.375	2.50	0.190	S17-375-TML-1.50	\$108.61	\$115.20
1/2	0.388	0.750	0.500	3.00	0.230	S17-500-TM	\$117.49	\$126.61
1/2	0.388	1.250	0.500	3.00	0.230	S17-500-TML	\$117.49	\$126.61
1/2	0.388	1.750	0.500	3.00	0.230	S17-500-TML-1.75	\$122.11	\$131.23
1/2	0.388	2.250	0.500	3.00	0.230	S17-500-TML-2.25	\$123.27	\$132.39
3/4	0.495	1.000	0.500	3.00	0.325	S17-750-TM	\$117.49	\$126.61
3/4	0.495	1.375	0.500	3.00	0.325	S17-750-TML	\$117.49	\$126.61
3/4	0.495	1.750	0.500	3.00	0.325	S17-750-TML-1.75	\$122.11	\$131.23
3/4	0.495	2.250	0.500	3.00	0.325	S17-750-TML-2.25	\$123.27	\$132.39



NOTES:

- Any pitch (standard or metric), RH and LH threads, and fine or coarse threads
- All S17 thread mills have an included 60° thread angle

MANUFACTURED BY MITGI: Coolant Thru Materials

MITGI coolant thru materials will do more than just help you keep your cool.

Coolant thru materials can help improve many common manufacturing issues. Use MITGI coolant thru materials to:

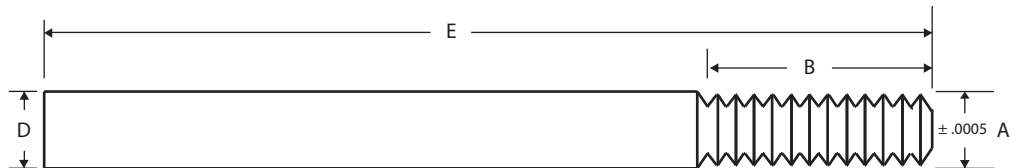
- Help improve chip removal
- Reduce heat
- Reduce temperature fluctuations at the cutting edge
- Aid deep pocket or hole manufacturing operations
- Decrease cycle times
- Improve finishes by alleviating double cutting and chip smearing

Ready to get started? See page 2 for contact information.



**FLUTES
3,4**

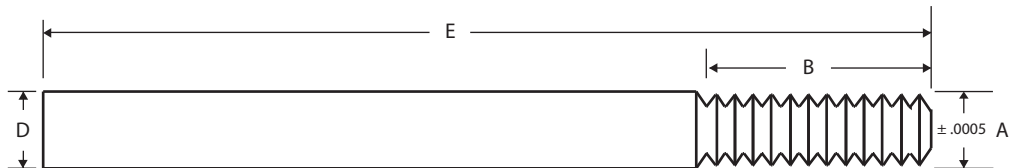
Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
2-56	0.065	0.125	0.125	2.00	3	S39-011	\$65.49	\$67.80
2-64	0.065	0.125	0.125	2.00	3	S39-087	\$65.49	\$67.80
3-48	0.075	0.167	0.125	2.00	3	S39-024	\$67.76	\$70.07
3-56	0.075	0.167	0.125	2.00	3	S39-088	\$67.76	\$70.07
4-40	0.085	0.175	0.125	2.00	3	S39-012	\$67.76	\$70.07
4-48	0.085	0.175	0.125	2.00	3	S39-089	\$67.76	\$70.07
5-40	0.095	0.228	0.125	2.00	3	S39-090	\$71.75	\$74.06
5-44	0.095	0.228	0.125	2.00	3	S39-025	\$71.75	\$74.06
6-32	0.100	0.218	0.125	2.00	3	S39-013	\$71.75	\$74.06
6-40	0.100	0.218	0.125	2.00	3	S39-091	\$71.75	\$74.06
8-32	0.124	0.250	0.125	2.00	4	S39-014	\$76.08	\$78.39
8-36	0.124	0.250	0.125	2.00	4	S39-092	\$76.08	\$78.39
10-24	0.124	0.312	0.125	2.00	3	S39-015	\$79.76	\$82.07
10-32	0.124	0.312	0.125	2.00	4	S39-016	\$79.76	\$82.07
12-24	0.134	0.312	0.1875	2.00	4	S39-026	\$95.12	\$100.20
12-28	0.134	0.312	0.1875	2.00	4	S39-027	\$95.12	\$100.20
1/4-20	0.180	0.500	0.1875	2.50	4	S39-001	\$95.12	\$100.20
1/4-24	0.180	0.500	0.1875	2.50	4	S39-028	\$95.12	\$100.20
1/4-28	0.180	0.500	0.1875	2.50	4	S39-017	\$95.12	\$100.20
1/4-32	0.180	0.500	0.1875	2.50	4	S39-029	\$95.12	\$100.20
1/4-36	0.180	0.500	0.1875	2.50	4	S39-030	\$95.12	\$100.20
1/4-40	0.180	0.500	0.1875	2.50	4	S39-031	\$95.12	\$100.20
1/4-48	0.180	0.500	0.1875	2.50	4	S39-032	\$95.12	\$100.20
1/4-56	0.180	0.500	0.1875	2.50	4	S39-033	\$95.12	\$100.20
5/16-18	0.240	0.625	0.250	2.50	4	S39-003	\$115.37	\$120.45
5/16-20	0.240	0.625	0.250	2.50	4	S39-035	\$115.37	\$120.45
5/16-24	0.240	0.625	0.250	2.50	4	S39-018	\$115.37	\$120.45
5/16-28	0.240	0.625	0.250	2.50	4	S39-036	\$115.37	\$120.45
5/16-32	0.240	0.625	0.250	2.50	4	S39-037	\$115.37	\$120.45
5/16-36	0.240	0.625	0.250	2.50	4	S39-038	\$115.37	\$120.45
5/16-40	0.240	0.625	0.250	2.50	4	S39-039	\$115.37	\$120.45
5/16-48	0.240	0.625	0.250	2.50	4	S39-040	\$115.37	\$120.45



UN Full Form Helical Thread Mills

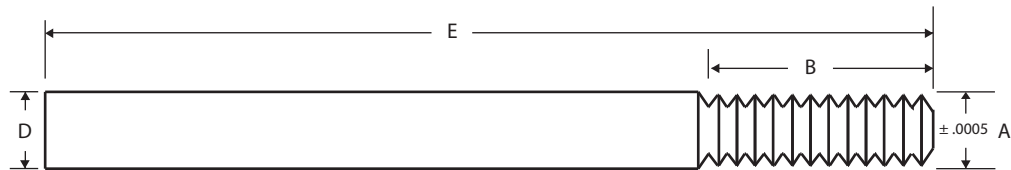
S39
**FLUTES
3,4**

Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
3/8-16	0.290	0.750	0.3125	3.00	4	S39-019	\$140.09	\$146.66
3/8-18	0.290	0.750	0.3125	3.00	4	S39-041	\$140.09	\$146.66
3/8-20	0.290	0.750	0.3125	3.00	4	S39-042	\$140.09	\$146.66
3/8-24	0.290	0.750	0.3125	3.00	4	S39-010	\$140.09	\$146.66
3/8-28	0.290	0.750	0.3125	3.00	4	S39-043	\$140.09	\$146.66
3/8-32	0.290	0.750	0.3125	3.00	4	S39-044	\$140.09	\$146.66
3/8-36	0.290	0.750	0.3125	3.00	4	S39-045	\$140.09	\$146.66
3/8-40	0.290	0.750	0.3125	3.00	4	S39-046	\$140.09	\$146.66
7/16-14	0.340	0.750	0.375	3.00	4	S39-020	\$155.42	\$162.00
7/16-16	0.340	0.750	0.375	3.00	4	S39-047	\$155.42	\$162.00
7/16-18	0.340	0.750	0.375	3.00	4	S39-048	\$155.42	\$162.00
7/16-20	0.340	0.875	0.375	3.00	4	S39-002	\$155.42	\$162.00
7/16-24	0.340	0.875	0.375	3.00	4	S39-049	\$155.42	\$162.00
7/16-28	0.340	0.875	0.375	3.00	4	S39-050	\$155.42	\$162.00
7/16-32	0.340	0.875	0.375	3.00	4	S39-051	\$155.42	\$162.00
1/2-12	0.370	0.875	0.375	3.00	4	S39-052	\$155.42	\$162.00
1/2-13	0.370	0.875	0.375	3.00	4	S39-007	\$155.42	\$162.00
1/2-14	0.370	0.875	0.375	3.00	4	S39-053	\$155.42	\$162.00
1/2-16	0.370	0.875	0.375	3.00	4	S39-054	\$155.42	\$162.00
1/2-18	0.370	0.875	0.375	3.00	4	S39-055	\$155.42	\$162.00
1/2-20	0.370	0.875	0.375	3.00	4	S39-056	\$155.42	\$162.00
1/2-24	0.370	0.875	0.375	3.00	4	S39-057	\$155.42	\$162.00
1/2-28	0.370	0.875	0.375	3.00	4	S39-058	\$155.42	\$162.00
1/2-32	0.370	0.875	0.375	3.00	4	S39-059	\$155.42	\$162.00
9/16-12	0.370	0.875	0.375	3.00	4	S39-008	\$155.42	\$162.00
9/16-14	0.370	0.875	0.375	3.00	4	S39-060	\$155.42	\$162.00
9/16-16	0.370	0.875	0.375	3.00	4	S39-061	\$155.42	\$162.00
9/16-18	0.370	0.875	0.375	3.00	4	S39-004	\$155.42	\$162.00
9/16-20	0.370	0.875	0.375	3.00	4	S39-062	\$155.42	\$162.00
9/16-24	0.370	0.875	0.375	3.00	4	S39-063	\$155.42	\$162.00
9/16-28	0.370	0.875	0.375	3.00	4	S39-064	\$155.42	\$162.00
9/16-32	0.370	0.875	0.375	3.00	4	S39-065	\$155.42	\$162.00



**FLUTES
3,4**

Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
5/8-11	0.490	1.250	0.500	4.00	4	S39-021	\$205.43	\$214.56
5/8-12	0.490	1.250	0.500	4.00	4	S39-066	\$205.43	\$214.56
5/8-14	0.490	1.250	0.500	4.00	4	S39-067	\$205.43	\$214.56
5/8-16	0.490	1.250	0.500	4.00	4	S39-068	\$205.43	\$214.56
5/8-18	0.490	1.250	0.500	4.00	4	S39-069	\$205.43	\$214.56
5/8-20	0.490	1.250	0.500	4.00	4	S39-070	\$205.43	\$214.56
5/8-24	0.490	1.250	0.500	4.00	4	S39-071	\$205.43	\$214.56
5/8-28	0.490	1.250	0.500	4.00	4	S39-072	\$205.43	\$214.56
5/8-32	0.490	1.250	0.500	4.00	4	S39-073	\$205.43	\$214.56
3/4-10	0.490	1.250	0.500	4.00	4	S39-022	\$205.43	\$214.56
3/4-12	0.490	1.250	0.500	4.00	4	S39-009	\$205.43	\$214.56
3/4-14	0.490	1.250	0.500	4.00	4	S39-074	\$205.43	\$214.56
3/4-16	0.490	1.250	0.500	4.00	4	S39-005	\$205.43	\$214.56
3/4-18	0.490	1.250	0.500	4.00	4	S39-075	\$205.43	\$214.56
3/4-20	0.490	1.250	0.500	4.00	4	S39-076	\$205.43	\$214.56
3/4-24	0.490	1.250	0.500	4.00	4	S39-077	\$205.43	\$214.56
3/4-28	0.490	1.250	0.500	4.00	4	S39-078	\$205.43	\$214.56
3/4-32	0.490	1.250	0.500	4.00	4	S39-079	\$205.43	\$214.56
7/8-9	0.490	1.250	0.500	4.00	4	S39-080	\$205.43	\$214.56
7/8-12	0.490	1.250	0.500	4.00	4	S39-081	\$205.43	\$214.56
7/8-14	0.490	1.250	0.500	4.00	4	S39-006	\$205.43	\$214.56
7/8-16	0.490	1.250	0.500	4.00	4	S39-082	\$205.43	\$214.56
7/8-18	0.490	1.250	0.500	4.00	4	S39-083	\$205.43	\$214.56
7/8-20	0.490	1.250	0.500	4.00	4	S39-093	\$205.43	\$214.56
7/8-24	0.490	1.250	0.500	4.00	4	S39-084	\$205.43	\$214.56
7/8-28	0.490	1.250	0.500	4.00	4	S39-085	\$205.43	\$214.56
7/8-32	0.490	1.250	0.500	4.00	4	S39-086	\$205.43	\$214.56





QUALITY. PRECISION. MITGI.

For more than 30 years, MITGI has delivered on our reputation for manufacturing hard-to-find or difficult-to-make custom cutting tools. We apply that same attention to detail, repeatability, and precision to the manufacturing of standard tools.

Our state-of-the-art facility has a diverse group of CNC cutter grinders that allow us to build both custom and standard cutting tools with a high degree of accuracy and repeatability. Our goal is to provide high quality tools that meet the specific needs of each customer.

Regardless of the equipment you're using today, we can offer a solution that will meet your current specifications through our standard product lines and custom tools.

ON-SITE MANUFACTURING

All tools sold by MITGI are manufactured on-site, which makes it easy for MITGI to stand behind the quality of the products and services provided. Customers tell us that whether using standards or specials, MITGI carbide cutting tools consistently outperform the competition.

Working with MITGI to design and manufacture tools provides several advantages:

- A Minnesota-based team that provides on-site manufacturing, inspections, drafting, customer service, shipping, and technical support
- A reliable source for standards and specials, both available with tight timelines – specials can usually be manufactured within two weeks, standards and QUICK TURN SPECIALS are available in three days or less
- In-house coating allows consistent quality control and a reduction in lead times for coated tools

ON-SITE MANUFACTURING

MANUFACTURED BY MITGI

Ordering from MITGI means that you can always be certain that the tool you receive from us today will meet the same requirements the next time it's ordered.

On-site manufacturing ensures:

- Same quality carbide used across all tool categories
- Repeatable quality
- Consistent inspection methods
- Diligent inspection tracking
- Internal quality processes throughout all stages of production
- On-site logistics to reduce project management hassles



Ready to get started?

Contact us:

Phone: (320) 455-0535

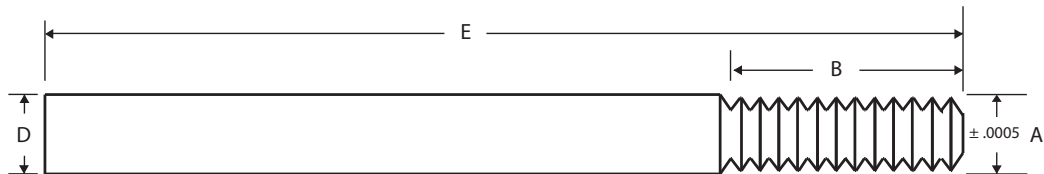
Email: info@mitgi.us

Web: www.mitgi.us



S105
UN Full Form Straight Flute Thread Mills
**FLUTES
3,4**

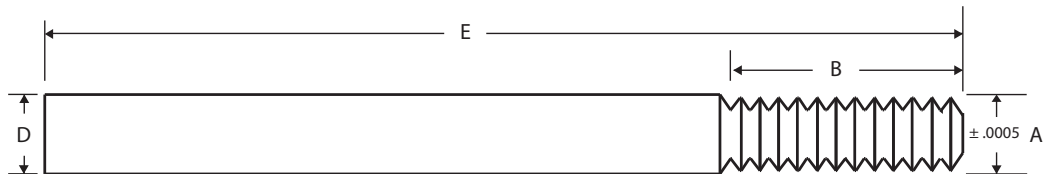
Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
2-56	0.065	0.125	0.125	2.00	3	S105-001	\$65.49	\$67.80
2-64	0.065	0.125	0.125	2.00	3	S105-086	\$65.49	\$67.80
3-48	0.075	0.167	0.125	2.00	3	S105-002	\$67.76	\$70.07
3-56	0.075	0.167	0.125	2.00	3	S105-087	\$67.76	\$70.07
4-40	0.085	0.175	0.125	2.00	3	S105-003	\$67.76	\$70.07
4-48	0.085	0.175	0.125	2.00	3	S105-088	\$67.76	\$70.07
5-40	0.095	0.228	0.125	2.00	3	S105-089	\$71.75	\$74.06
5-44	0.095	0.228	0.125	2.00	3	S105-004	\$71.75	\$74.06
6-32	0.100	0.218	0.125	2.00	3	S105-005	\$71.75	\$74.06
6-40	0.100	0.218	0.125	2.00	3	S105-090	\$71.75	\$74.06
8-32	0.124	0.250	0.125	2.00	4	S105-006	\$76.08	\$78.39
8-36	0.124	0.250	0.125	2.00	4	S105-091	\$76.08	\$78.39
10-24	0.124	0.312	0.125	2.00	3	S105-007	\$79.76	\$82.07
10-32	0.124	0.312	0.125	2.00	4	S105-008	\$79.76	\$82.07
12-24	0.134	0.312	0.1875	2.00	4	S105-009	\$95.12	\$100.20
12-28	0.134	0.312	0.1875	2.00	4	S105-010	\$95.12	\$100.20
1/4-20	0.180	0.500	0.1875	2.50	4	S105-011	\$95.12	\$100.20
1/4-24	0.180	0.500	0.1875	2.50	4	S105-012	\$95.12	\$100.20
1/4-28	0.180	0.500	0.1875	2.50	4	S105-013	\$95.12	\$100.20
1/4-32	0.180	0.500	0.1875	2.50	4	S105-014	\$95.12	\$100.20
1/4-36	0.180	0.500	0.1875	2.50	4	S105-015	\$95.12	\$100.20
1/4-40	0.180	0.500	0.1875	2.50	4	S105-016	\$95.12	\$100.20
1/4-48	0.180	0.500	0.1875	2.50	4	S105-017	\$95.12	\$100.20
1/4-56	0.180	0.500	0.1875	2.50	4	S105-018	\$95.12	\$100.20
5/16-18	0.240	0.625	0.250	2.50	4	S105-020	\$115.36	\$120.44
5/16-20	0.240	0.625	0.250	2.50	4	S105-021	\$115.36	\$120.44
5/16-24	0.240	0.625	0.250	2.50	4	S105-022	\$115.36	\$120.44
5/16-28	0.240	0.625	0.250	2.50	4	S105-023	\$115.36	\$120.44
5/16-32	0.240	0.625	0.250	2.50	4	S105-024	\$115.36	\$120.44
5/16-36	0.240	0.625	0.250	2.50	4	S105-025	\$115.36	\$120.44
5/16-40	0.240	0.625	0.250	2.50	4	S105-026	\$115.36	\$120.44
5/16-48	0.240	0.625	0.250	2.50	4	S105-027	\$115.36	\$120.44



UN Full Form Straight Flute Thread Mills

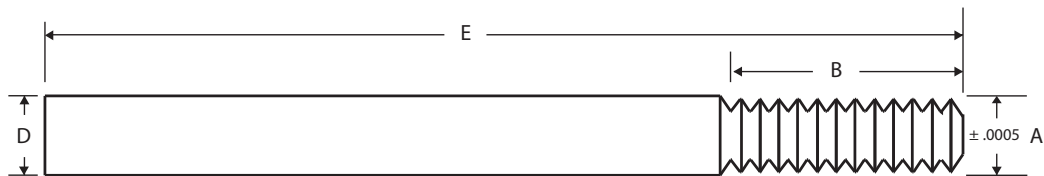
S105
**FLUTES
3,4**

Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AITIN Coated Price
	A	B	D	E				
3/8-16	0.290	0.750	0.3125	3.00	4	S105-028	\$140.07	\$146.66
3/8-18	0.290	0.750	0.3125	3.00	4	S105-029	\$140.07	\$146.66
3/8-20	0.290	0.750	0.3125	3.00	4	S105-030	\$140.07	\$146.66
3/8-24	0.290	0.750	0.3125	3.00	4	S105-031	\$140.07	\$146.66
3/8-28	0.290	0.750	0.3125	3.00	4	S105-032	\$140.07	\$146.66
3/8-32	0.290	0.750	0.3125	3.00	4	S105-033	\$140.07	\$146.66
3/8-36	0.290	0.750	0.3125	3.00	4	S105-034	\$140.07	\$146.66
3/8-40	0.290	0.750	0.3125	3.00	4	S105-035	\$140.07	\$146.66
7/16-14	0.340	0.750	0.375	3.00	4	S105-036	\$155.42	\$162.00
7/16-16	0.340	0.750	0.375	3.00	4	S105-037	\$155.42	\$162.00
7/16-18	0.340	0.750	0.375	3.00	4	S105-038	\$155.42	\$162.00
7/16-20	0.340	0.875	0.375	3.00	4	S105-039	\$155.42	\$162.00
7/16-24	0.340	0.875	0.375	3.00	4	S105-040	\$155.42	\$162.00
7/16-28	0.340	0.875	0.375	3.00	4	S105-041	\$155.42	\$162.00
7/16-32	0.340	0.875	0.375	3.00	4	S105-042	\$155.42	\$162.00
1/2-12	0.370	0.875	0.375	3.00	4	S105-043	\$155.42	\$162.00
1/2-13	0.370	0.875	0.375	3.00	4	S105-044	\$155.42	\$162.00
1/2-14	0.370	0.875	0.375	3.00	4	S105-045	\$155.42	\$162.00
1/2-16	0.370	0.875	0.375	3.00	4	S105-046	\$155.42	\$162.00
1/2-18	0.370	0.875	0.375	3.00	4	S105-047	\$155.42	\$162.00
1/2-20	0.370	0.875	0.375	3.00	4	S105-048	\$155.42	\$162.00
1/2-24	0.370	0.875	0.375	3.00	4	S105-049	\$155.42	\$162.00
1/2-28	0.370	0.875	0.375	3.00	4	S105-050	\$155.42	\$162.00
1/2-32	0.370	0.875	0.375	3.00	4	S105-051	\$155.42	\$162.00
9/16-12	0.370	0.875	0.375	3.00	4	S105-052	\$155.42	\$162.00
9/16-14	0.370	0.875	0.375	3.00	4	S105-053	\$155.42	\$162.00
9/16-16	0.370	0.875	0.375	3.00	4	S105-054	\$155.42	\$162.00
9/16-18	0.370	0.875	0.375	3.00	4	S105-055	\$155.42	\$162.00
9/16-20	0.370	0.875	0.375	3.00	4	S105-056	\$155.42	\$162.00
9/16-24	0.370	0.875	0.375	3.00	4	S105-057	\$155.42	\$162.00
9/16-28	0.370	0.875	0.375	3.00	4	S105-058	\$155.42	\$162.00
9/16-32	0.370	0.875	0.375	3.00	4	S105-059	\$155.42	\$162.00



S105
UN Full Form Straight Flute Thread Mills
**FLUTES
3,4**

Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
5/8-11	0.490	1.250	0.500	4.00	4	S105-060	\$205.43	\$214.56
5/8-12	0.490	1.250	0.500	4.00	4	S105-061	\$205.43	\$214.56
5/8-14	0.490	1.250	0.500	4.00	4	S105-062	\$205.43	\$214.56
5/8-16	0.490	1.250	0.500	4.00	4	S105-063	\$205.43	\$214.56
5/8-18	0.490	1.250	0.500	4.00	4	S105-064	\$205.43	\$214.56
5/8-20	0.490	1.250	0.500	4.00	4	S105-065	\$205.43	\$214.56
5/8-24	0.490	1.250	0.500	4.00	4	S105-066	\$205.43	\$214.56
5/8-28	0.490	1.250	0.500	4.00	4	S105-067	\$205.43	\$214.56
5/8-32	0.490	1.250	0.500	4.00	4	S105-068	\$205.43	\$214.56
3/4-10	0.490	1.250	0.500	4.00	4	S105-069	\$205.43	\$214.56
3/4-12	0.490	1.250	0.500	4.00	4	S105-070	\$205.43	\$214.56
3/4-14	0.490	1.250	0.500	4.00	4	S105-071	\$205.43	\$214.56
3/4-16	0.490	1.250	0.500	4.00	4	S105-072	\$205.43	\$214.56
3/4-18	0.490	1.250	0.500	4.00	4	S105-073	\$205.43	\$214.56
3/4-20	0.490	1.250	0.500	4.00	4	S105-074	\$205.43	\$214.56
3/4-24	0.490	1.250	0.500	4.00	4	S105-075	\$205.43	\$214.56
3/4-28	0.490	1.250	0.500	4.00	4	S105-076	\$205.43	\$214.56
3/4-32	0.490	1.250	0.500	4.00	4	S105-077	\$205.43	\$214.56
7/8-9	0.490	1.250	0.500	4.00	4	S105-078	\$205.43	\$214.56
7/8-12	0.490	1.250	0.500	4.00	4	S105-079	\$205.43	\$214.56
7/8-14	0.490	1.250	0.500	4.00	4	S105-080	\$205.43	\$214.56
7/8-16	0.490	1.250	0.500	4.00	4	S105-081	\$205.43	\$214.56
7/8-18	0.490	1.250	0.500	4.00	4	S105-082	\$205.43	\$214.56
7/8-20	0.490	1.250	0.500	4.00	4	S105-092	\$205.43	\$214.56
7/8-24	0.490	1.250	0.500	4.00	4	S105-083	\$205.43	\$214.56
7/8-28	0.490	1.250	0.500	4.00	4	S105-084	\$205.43	\$214.56
7/8-32	0.490	1.250	0.500	4.00	4	S105-085	\$205.43	\$214.56





CUSTOM TOOL QUOTE FORMS

ORDERING CUSTOM TOOLS

The process to get exactly the right tool you need does not have to be complicated. Working with our design and manufacturing teams, your specifications can turn into a working tool within two weeks of print approval.

There are a number of ways to get started:

1. Send a tool print for an existing tool
2. Email tool specs
3. Provide a sketch of the tool concept
4. Complete a QUOTE SHEET (available at www.mitgi.us)

After we receive the tool information, we'll prepare a quote and timeline. After receipt of the purchase order, we'll complete a MITGI tool print for your review. With your approval, the tool will move into production.

Contact us to get started today.



**QUOTE SHEET / Keyseat Cutter
Woodruff Cutter**

TOLERANCES

XX	± .010
XX	± .001
XXXX	± .0005
Angular	± 1.0°

NOTES:

1. Tolerances are quoted with black tolerance unless noted (excluding OAL).
2. Shoulder angle is in ° unless specified.
3. All dimensions are inches unless noted.
4. Diagram letters correspond with standard tool columns featured in MITGI product catalog.
5. Use **highlight** to designate cutting area.

Company Information

ORGANIZATION

PRIMARY CONTACT - NAME, EMAIL, PHONE

SECONDARY CONTACT - NAME, EMAIL, PHONE

ADDRESS

CITY, STATE, ZIP

Tool Information

ITEM NUMBER

QUANTITY (QUANTITIES TO QUOTE)

MATERIAL MACHINING

NUMBER OF TEETH

HELIX ANGLE (0° = STRAIGHT)

Quoting (MITGI USE ONLY)

MATERIAL STOCK OR SPECIAL ORDER

PRICING (BY QTY)

ESTIMATED SHIP DATE

MITGI CUSTOMER NUMBER

MITGI ACCOUNT MANAGER

Tool Material (CIRCLE ONE)

CARBIDE	HSS	COOLANT THRU
PRE-FORM	SUPPLIED MAT'L	

Coating (CIRCLE ONE)

UNCOATED	ALTiN	TiN
TiCN	NACOP*	NACRO*
DLC	DIAMOND	ZiRN

GSS (MITGI USE ONLY)

PART DESCRIPTION CODE:

CUTTER DIAMETER/6

FLUTES/2

TOOL TYPE CODE/4

KEYS

LOC/5

SHANK DIAMETER/5

OAL/3

PRODUCT CODE

CA, CF

End Finish (CIRCLE ONE, ADD NOTES)

SQUARE	CORNER RADIUS (R)	FULL RADIUS
CHAMFER (DEGREE)	CHAMFER (FLAT)	

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www.mitgi.us

(320) 455-0535

MITGI FORM_06 Rev 10/05/2016



S41

NPTF Full Form Helical Thread Mills

FLUTES
4

Min. Thread Size	Pitch	Large End Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
1/16 & 1/8	27	0.245	0.437	0.250	2.50	4	S41-001	\$103.85	\$108.93
1/4 & 3/8	18	0.305	0.625	0.3125	3.00	4	S41-002	\$142.35	\$148.93
1/2 & 3/4	14	0.495	0.825	0.500	4.00	4	S41-003	\$168.63	\$177.76
1 & 2	11.5	0.620	1.125	0.625	4.00	4	S41-005	\$252.38	\$261.50

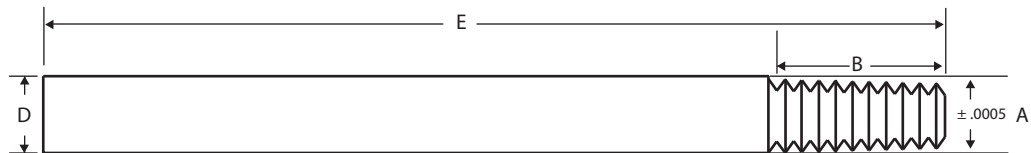


S104

NPTF Full Form Straight Flute Thread Mills

FLUTES
4

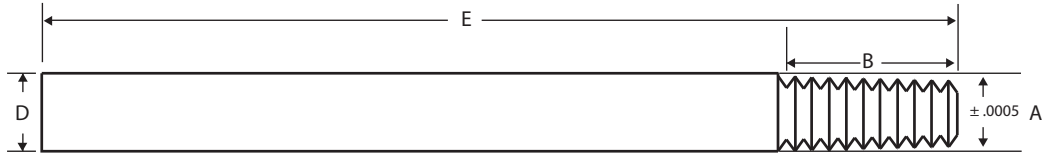
Min. Thread Size	Pitch	Large End Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
1/16 & 1/8	27	0.245	0.437	0.250	2.50	4	S104-001	\$103.85	\$108.93
1/4 & 3/8	18	0.305	0.625	0.3125	3.00	4	S104-002	\$142.35	\$148.94
1/2 & 3/4	14	0.495	0.825	0.500	4.00	4	S104-003	\$168.63	\$177.76
1 & 2	11.5	0.620	1.125	0.625	4.00	4	S104-004	\$252.38	\$261.50



NPT Full Form Helical Thread Mills

S51
**FLUTES
4**

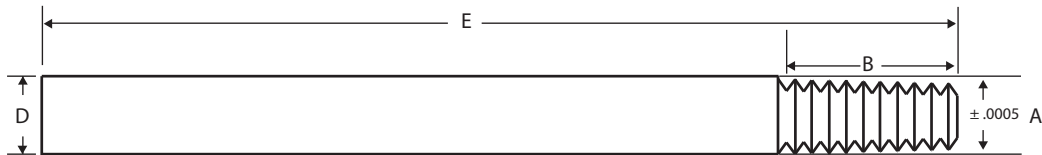
Min. Thread Size	Pitch	Large End Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
1/16 & 1/8	27	0.245	0.437	0.250	2.50	4	S51-001	\$103.85	\$108.93
1/4 & 3/8	18	0.305	0.625	0.3125	3.00	4	S51-002	\$142.35	\$148.93
1/2 & 3/4	14	0.495	0.825	0.500	4.00	4	S51-003	\$168.63	\$177.76
1 & 2	11.5	0.620	1.125	0.625	4.00	4	S51-005	\$252.38	\$261.50



NPT Full Form Straight Flute Thread Mills

S103
**FLUTES
4**

Min. Thread Size	Pitch	Large End Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
1/16 & 1/8	27	0.245	0.437	0.250	2.50	4	S103-001	\$103.85	\$108.93
1/4 & 3/8	18	0.305	0.625	0.3125	3.00	4	S103-002	\$142.35	\$148.94
1/2 & 3/4	14	0.495	0.825	0.500	4.00	4	S103-003	\$168.63	\$177.76
1 & 2	11.5	0.620	1.125	0.625	4.00	4	S103-004	\$252.38	\$261.50



Need your coated tool quickly? All standard tools are available AlTiN coated in 3 days or less. See page 117 for more details.

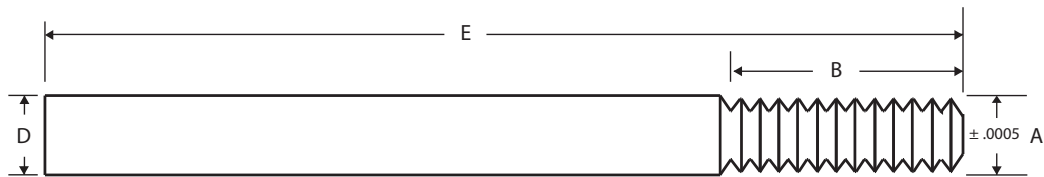


S40

Metric Full Form Helical Thread Mills

FLUTES
4

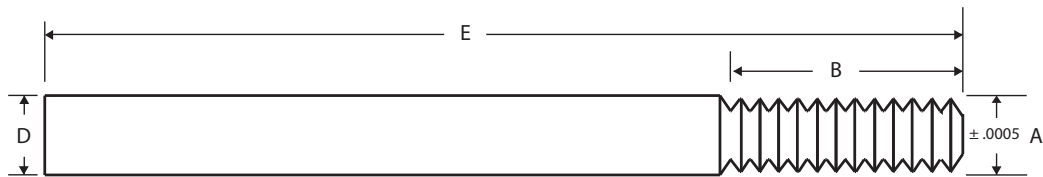
Min. Thread Size	Pitch (mm)	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
M3	0.50	0.085	0.178	0.125	2.00	4	S40-010	\$87.66	\$89.97
M3.5	0.60	0.095	0.235	0.125	2.00	4	S40-011	\$87.66	\$89.97
M4	0.70	0.115	0.276	0.125	2.00	4	S40-012	\$87.66	\$89.97
M4.5	0.75	0.120	0.313	0.125	2.00	4	S40-013	\$87.66	\$89.97
M5	0.80	0.120	0.312	0.125	2.00	4	S40-005	\$87.66	\$89.97
M6	1.00	0.170	0.500	0.1875	2.50	4	S40-006	\$103.99	\$109.08
M8	1.25	0.235	0.625	0.250	3.00	4	S40-001	\$110.53	\$115.61
M10	1.50	0.300	0.750	0.3125	3.00	4	S40-007	\$148.53	\$155.12
M12	1.75	0.360	0.875	0.375	3.00	4	S40-003	\$165.09	\$171.67
M14	1.50	0.370	0.875	0.375	3.00	4	S40-002	\$165.09	\$171.67
M16	2.00	0.490	1.250	0.500	4.00	4	S40-004	\$202.65	\$211.78
M18	1.50	0.490	1.250	0.500	4.00	4	S40-008	\$202.65	\$211.78
M20	2.50	0.495	1.250	0.500	4.00	4	S40-009	\$202.65	\$211.78
M22	2.50	0.620	1.250	0.625	4.00	4	S40-014	\$217.83	\$226.96
M24	3.00	0.620	1.250	0.625	4.00	4	S40-015	\$217.83	\$226.96
M30	3.50	0.620	1.250	0.625	4.00	4	S40-016	\$217.83	\$226.96
M36	4.00	0.620	1.250	0.625	4.00	4	S40-017	\$217.83	\$226.96



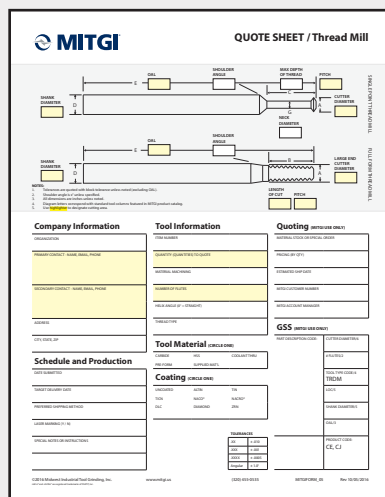
Metric Full Form Straight Flute Thread Mills

S106
**FLUTES
4**

Min. Thread Size	Pitch (mm)	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
M3	0.50	0.085	0.178	0.125	2.00	4	S106-001	\$87.66	\$89.97
M3.5	0.60	0.095	0.235	0.125	2.00	4	S106-002	\$87.66	\$89.97
M4	0.70	0.115	0.276	0.125	2.00	4	S106-003	\$87.66	\$89.97
M4.5	0.75	0.120	0.313	0.125	2.00	4	S106-004	\$87.66	\$89.97
M5	0.80	0.120	0.312	0.125	2.00	4	S106-005	\$87.66	\$89.97
M6	1.00	0.170	0.500	0.1875	2.50	4	S106-006	\$103.99	\$109.08
M8	1.25	0.235	0.625	0.250	3.00	4	S106-007	\$110.53	\$115.61
M10	1.50	0.300	0.750	0.3125	3.00	4	S106-008	\$148.53	\$155.12
M12	1.75	0.360	0.875	0.375	3.00	4	S106-009	\$165.09	\$171.67
M14	1.50	0.370	0.875	0.375	3.00	4	S106-010	\$165.09	\$171.67
M16	2.00	0.490	1.250	0.500	4.00	4	S106-011	\$202.65	\$211.78
M18	1.50	0.490	1.250	0.500	4.00	4	S106-012	\$202.65	\$211.78
M20	2.50	0.495	1.250	0.500	4.00	4	S106-013	\$202.65	\$211.78
M22	2.50	0.620	1.250	0.625	4.00	4	S106-014	\$217.83	\$226.96
M24	3.00	0.620	1.250	0.625	4.00	4	S106-015	\$217.83	\$226.96
M30	3.50	0.620	1.250	0.625	4.00	4	S106-016	\$217.83	\$226.96
M36	4.00	0.620	1.250	0.625	4.00	4	S106-017	\$217.83	\$226.96



Custom Thread Mills



**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances and number of flutes vary by design
- Custom thread mill types: single point, full form, and coolant thru
- Specs: shoulder angle, depth of thread, pitch, cutter diameter, length of cut, neck diameter, straight or helical flutes, reach
- Coated or uncoated
- Specials usually available in two weeks or less

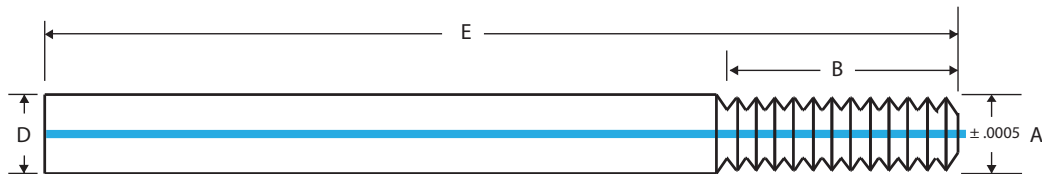
**Quote forms available on our website and upon request.
Contact us for an estimate today.**



S172
Coolant Thru UN Full Form Helical Thread Mills
**FLUTES
3,4**

**COOLANT
THRU**

Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
2-56	0.065	0.125	0.125	2.00	3	S172-001	\$74.73	\$77.04
2-64	0.065	0.125	0.125	2.00	3	S172-084	\$74.73	\$77.04
3-48	0.075	0.167	0.125	2.00	3	S172-002	\$77.00	\$79.31
3-56	0.075	0.167	0.125	2.00	3	S172-085	\$77.00	\$79.31
4-40	0.085	0.175	0.125	2.00	3	S172-003	\$77.00	\$79.31
4-48	0.085	0.175	0.125	2.00	3	S172-086	\$77.00	\$79.31
5-40	0.095	0.228	0.125	2.00	3	S172-087	\$80.99	\$83.30
5-44	0.095	0.228	0.125	2.00	3	S172-004	\$80.99	\$83.30
6-32	0.100	0.218	0.125	2.00	3	S172-005	\$80.99	\$83.30
6-40	0.100	0.218	0.125	2.00	3	S172-088	\$80.99	\$83.30
8-32	0.124	0.250	0.125	2.00	4	S172-006	\$85.32	\$87.63
8-36	0.124	0.250	0.125	2.00	4	S172-089	\$85.32	\$87.63
10-24	0.124	0.312	0.125	2.00	3	S172-007	\$89.00	\$91.31
10-32	0.124	0.312	0.125	2.00	4	S172-008	\$89.00	\$91.31
12-24	0.134	0.312	0.1875	2.00	4	S172-091	\$108.98	\$114.06
12-28	0.134	0.312	0.1875	2.00	4	S172-092	\$108.98	\$114.06
1/4-20	0.180	0.500	0.1875	2.50	4	S172-009	\$108.98	\$114.06
1/4-24	0.180	0.500	0.1875	2.50	4	S172-010	\$108.98	\$114.06
1/4-28	0.180	0.500	0.1875	2.50	4	S172-011	\$108.98	\$114.06
1/4-32	0.180	0.500	0.1875	2.50	4	S172-012	\$108.98	\$114.06
1/4-36	0.180	0.500	0.1875	2.50	4	S172-013	\$108.98	\$114.06
1/4-40	0.180	0.500	0.1875	2.50	4	S172-014	\$108.98	\$114.06
1/4-48	0.180	0.500	0.1875	2.50	4	S172-015	\$108.98	\$114.06
1/4-56	0.180	0.500	0.1875	2.50	4	S172-016	\$108.98	\$114.06
5/16-18	0.240	0.625	0.250	2.50	4	S172-018	\$129.23	\$134.31
5/16-20	0.240	0.625	0.250	2.50	4	S172-019	\$129.23	\$134.31
5/16-24	0.240	0.625	0.250	2.50	4	S172-020	\$129.23	\$134.31
5/16-28	0.240	0.625	0.250	2.50	4	S172-021	\$129.23	\$134.31
5/16-32	0.240	0.625	0.250	2.50	4	S172-022	\$129.23	\$134.31
5/16-36	0.240	0.625	0.250	2.50	4	S172-023	\$129.23	\$134.31
5/16-40	0.240	0.625	0.250	2.50	4	S172-024	\$129.23	\$134.31
5/16-48	0.240	0.625	0.250	2.50	4	S172-025	\$129.23	\$134.31



Coolant Thru UN Full Form Helical Thread Mills

S172
**FLUTES
3,4**

**COOLANT
THRU**

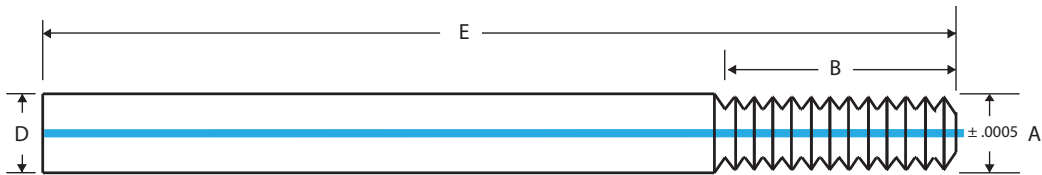
Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
3/8-16	0.290	0.750	0.3125	3.00	4	S172-026	\$158.57	\$165.14
3/8-18	0.290	0.750	0.3125	3.00	4	S172-027	\$158.57	\$165.14
3/8-20	0.290	0.750	0.3125	3.00	4	S172-028	\$158.57	\$165.14
3/8-24	0.290	0.750	0.3125	3.00	4	S172-029	\$158.57	\$165.14
3/8-28	0.290	0.750	0.3125	3.00	4	S172-030	\$158.57	\$165.14
3/8-32	0.290	0.750	0.3125	3.00	4	S172-031	\$158.57	\$165.14
3/8-36	0.290	0.750	0.3125	3.00	4	S172-032	\$158.57	\$165.14
3/8-40	0.290	0.750	0.3125	3.00	4	S172-033	\$158.57	\$165.14
7/16-14	0.340	0.750	0.375	3.00	4	S172-034	\$173.90	\$180.48
7/16-16	0.340	0.750	0.375	3.00	4	S172-035	\$173.90	\$180.48
7/16-18	0.340	0.750	0.375	3.00	4	S172-036	\$173.90	\$180.48
7/16-20	0.340	0.875	0.375	3.00	4	S172-037	\$173.90	\$180.48
7/16-24	0.340	0.875	0.375	3.00	4	S172-038	\$173.90	\$180.48
7/16-28	0.340	0.875	0.375	3.00	4	S172-039	\$173.90	\$180.48
7/16-32	0.340	0.875	0.375	3.00	4	S172-040	\$173.90	\$180.48
1/2-12	0.370	0.875	0.375	3.00	4	S172-041	\$173.90	\$180.48
1/2-13	0.370	0.875	0.375	3.00	4	S172-042	\$173.90	\$180.48
1/2-14	0.370	0.875	0.375	3.00	4	S172-043	\$173.90	\$180.48
1/2-16	0.370	0.875	0.375	3.00	4	S172-044	\$173.90	\$180.48
1/2-18	0.370	0.875	0.375	3.00	4	S172-045	\$173.90	\$180.48
1/2-20	0.370	0.875	0.375	3.00	4	S172-046	\$173.90	\$180.48
1/2-24	0.370	0.875	0.375	3.00	4	S172-047	\$173.90	\$180.48
1/2-28	0.370	0.875	0.375	3.00	4	S172-048	\$173.90	\$180.48
1/2-32	0.370	0.875	0.375	3.00	4	S172-049	\$173.90	\$180.48
9/16-12	0.370	0.875	0.375	3.00	4	S172-050	\$173.90	\$180.48
9/16-14	0.370	0.875	0.375	3.00	4	S172-051	\$173.90	\$180.48
9/16-16	0.370	0.875	0.375	3.00	4	S172-052	\$173.90	\$180.48
9/16-18	0.370	0.875	0.375	3.00	4	S172-053	\$173.90	\$180.48
9/16-20	0.370	0.875	0.375	3.00	4	S172-054	\$173.90	\$180.48
9/16-24	0.370	0.875	0.375	3.00	4	S172-055	\$173.90	\$180.48
9/16-28	0.370	0.875	0.375	3.00	4	S172-056	\$173.90	\$180.48
9/16-32	0.370	0.875	0.375	3.00	4	S172-057	\$173.90	\$180.48

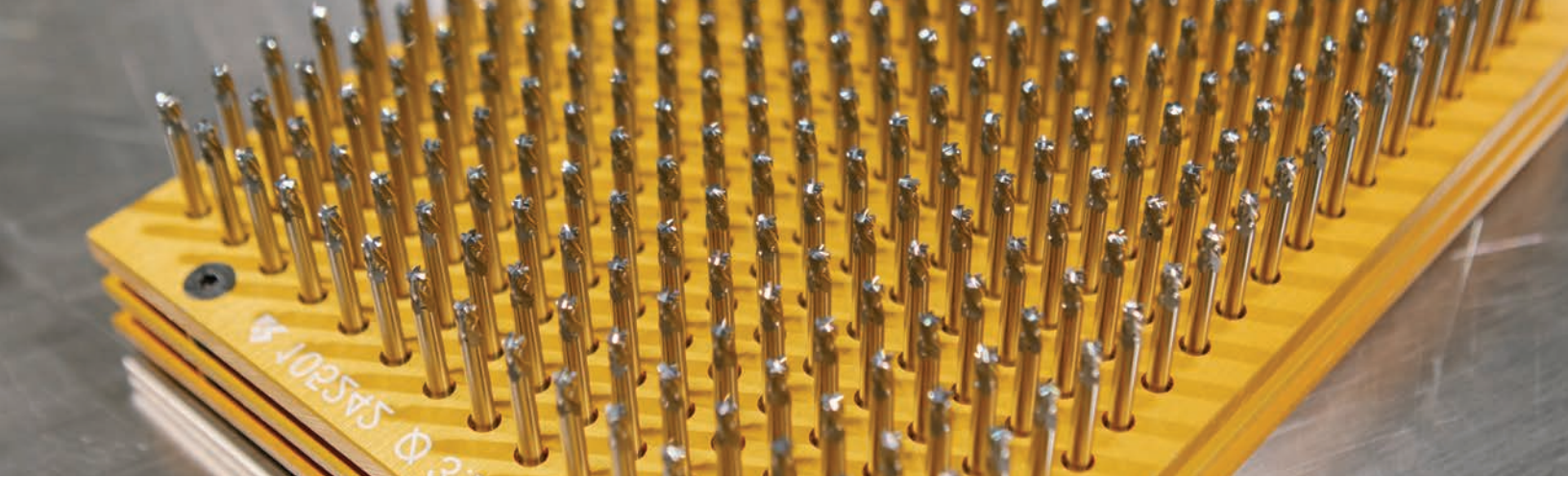


S172
Coolant Thru UN Full Form Helical Thread Mills
**FLUTES
3,4**

**COOLANT
THRU**

Min. Thread Size and Pitch	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
	A	B	D	E				
5/8-11	0.490	1.250	0.500	4.00	4	S172-058	\$242.39	\$251.52
5/8-12	0.490	1.250	0.500	4.00	4	S172-059	\$242.39	\$251.52
5/8-14	0.490	1.250	0.500	4.00	4	S172-060	\$242.39	\$251.52
5/8-16	0.490	1.250	0.500	4.00	4	S172-061	\$242.39	\$251.52
5/8-18	0.490	1.250	0.500	4.00	4	S172-062	\$242.39	\$251.52
5/8-20	0.490	1.250	0.500	4.00	4	S172-063	\$242.39	\$251.52
5/8-24	0.490	1.250	0.500	4.00	4	S172-064	\$242.39	\$251.52
5/8-28	0.490	1.250	0.500	4.00	4	S172-065	\$242.39	\$251.52
5/8-32	0.490	1.250	0.500	4.00	4	S172-066	\$242.39	\$251.52
3/4-10	0.490	1.250	0.500	4.00	4	S172-067	\$242.39	\$251.52
3/4-12	0.490	1.250	0.500	4.00	4	S172-068	\$242.39	\$251.52
3/4-14	0.490	1.250	0.500	4.00	4	S172-069	\$242.39	\$251.52
3/4-16	0.490	1.250	0.500	4.00	4	S172-070	\$242.39	\$251.52
3/4-18	0.490	1.250	0.500	4.00	4	S172-071	\$242.39	\$251.52
3/4-20	0.490	1.250	0.500	4.00	4	S172-072	\$242.39	\$251.52
3/4-24	0.490	1.250	0.500	4.00	4	S172-073	\$242.39	\$251.52
3/4-28	0.490	1.250	0.500	4.00	4	S172-074	\$242.39	\$251.52
3/4-32	0.490	1.250	0.500	4.00	4	S172-075	\$242.39	\$251.52
7/8-9	0.490	1.250	0.500	4.00	4	S172-076	\$242.39	\$251.52
7/8-12	0.490	1.250	0.500	4.00	4	S172-077	\$242.39	\$251.52
7/8-14	0.490	1.250	0.500	4.00	4	S172-078	\$242.39	\$251.52
7/8-16	0.490	1.250	0.500	4.00	4	S172-079	\$242.39	\$251.52
7/8-18	0.490	1.250	0.500	4.00	4	S172-080	\$242.39	\$251.52
7/8-20	0.490	1.250	0.500	4.00	4	S172-090	\$242.39	\$251.52
7/8-24	0.490	1.250	0.500	4.00	4	S172-081	\$242.39	\$251.52
7/8-28	0.490	1.250	0.500	4.00	4	S172-082	\$242.39	\$251.52
7/8-32	0.490	1.250	0.500	4.00	4	S172-083	\$242.39	\$251.52





MEASUREMENT CHART

	Inches	MM
	1/64 — .015625	.39688
	1/32 — .03125	.79375
	3/64 — .046875	1.19063
1/16	— .0625	1.58750
	5/64 — .078125	1.98438
	3/32 — .09375	2.38125
	7/64 — .109375	2.77813
1/8	— .125	3.17500
	9/64 — .140625	3.57188
	5/32 — .15625	3.96875
	11/64 — .171875	4.36563
3/16	— .1875	4.76250
	13/64 — .203125	5.15938
	7/32 — .21875	5.55625
	15/64 — .234375	5.95313
1/4	— .250	6.35000
	17/64 — .265625	6.74688
	9/32 — .28125	7.14375
	19/64 — .296875	7.54063
5/16	— .3125	7.93750
	21/64 — .328125	8.33438
	11/32 — .34375	8.73125
	23/64 — .359375	9.12813
3/8	— .375	9.52500
	25/64 — .390625	9.92188
	13/32 — .40625	10.31875
	27/64 — .421875	10.71563
7/16	— .4375	11.11250
	29/64 — .453125	11.50938
	15/32 — .46875	11.90625
	31/64 — .484375	12.30313
1/2	— .500	12.70000

	Inches	MM
	33/64 — .515625	13.09688
	17/32 — .53125	13.49375
	35/64 — .546875	13.89063
9/16	— .5625	14.28750
	37/64 — .578125	14.68438
	19/32 — .59375	15.08125
	39/64 — .609375	15.47813
5/8	— .625	15.87500
	41/64 — .640625	16.27188
	21/32 — .65625	16.66875
	43/64 — .671875	17.06563
11/16	— .6875	17.46250
	45/64 — .703125	17.85938
	23/32 — .71875	18.25625
	47/64 — .734375	18.65313
3/4	— .750	19.05000
	49/64 — .765625	19.44688
	25/32 — .78125	19.84375
	51/64 — .796875	20.24063
13/16	— .8125	20.63750
	53/64 — .828125	21.03438
	27/32 — .84375	21.43125
	55/64 — .859375	21.82813
7/8	— .875	22.22500
	57/64 — .890625	22.62188
	29/32 — .90625	23.01875
	59/64 — .921875	23.41563
15/16	— .9375	23.81250
	61/64 — .953125	24.20938
	31/32 — .96875	24.60625
	63/64 — .984375	25.00313
1	— 1.00	25.40000



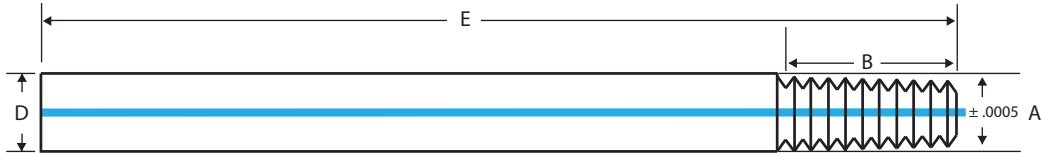
S170

Coolant Thru NPTF Full Form Helical Thread Mills

FLUTES
4

COOLANT
THRU

Min. Thread Size	Pitch	Large End Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
1/16 & 1/8	27	0.245	0.437	0.250	2.50	4	S170-001	\$117.71	\$122.79
1/4 & 3/8	18	0.305	0.625	0.3125	3.00	4	S170-002	\$167.42	\$174.00
1/2 & 3/4	14	0.495	0.825	0.500	4.00	4	S170-003	\$214.72	\$223.84
1 & 2	11.5	0.620	1.125	0.625	4.00	4	S170-004	\$320.41	\$329.54



S171

Coolant Thru NPT Full Form Helical Thread Mills

FLUTES
4

COOLANT
THRU

Min. Thread Size	Pitch	Large End Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
		A	B	D	E				
1/16 & 1/8	27	0.245	0.437	0.250	2.50	4	S171-001	\$117.71	\$122.79
1/4 & 3/8	18	0.305	0.625	0.3125	3.00	4	S171-002	\$167.42	\$174.00
1/2 & 3/4	14	0.495	0.825	0.500	4.00	4	S171-003	\$214.72	\$223.84
1 & 2	11.5	0.620	1.125	0.625	4.00	4	S171-004	\$320.41	\$329.54



MITGI INSIDE ACCOUNT REPRESENTATIVES

P. 2

MITGI Inside Account Representatives are the right resources for quote requests, to place orders, check inventory, or provide tracking. See page 2 for more info.

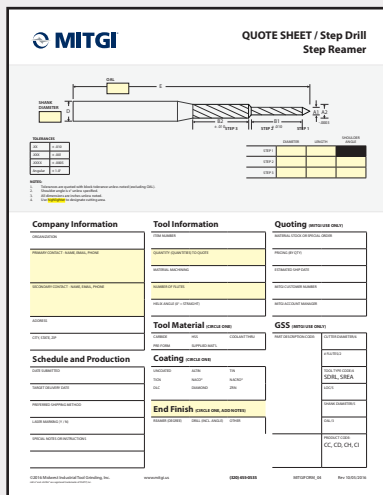
Metric Coolant Thru Full Form Helical Thread Mills

S173
**FLUTES
4**
**COOLANT
THRU**

Min. Thread Size	Pitch (mm)	Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AITIN Coated Price
		A	B	D	E				
M3	0.50	0.085	0.178	0.125	2.00	4	S173-001	\$96.90	\$99.21
M3.5	0.60	0.095	0.235	0.125	2.00	4	S173-002	\$96.90	\$99.21
M4	0.70	0.115	0.276	0.125	2.00	4	S173-003	\$96.90	\$99.21
M4.5	0.75	0.120	0.313	0.125	2.00	4	S173-004	\$96.90	\$99.21
M5	0.80	0.120	0.312	0.125	2.00	4	S173-005	\$96.90	\$99.21
M6	1.00	0.170	0.500	0.1875	2.50	4	S173-006	\$117.85	\$122.94
M8	1.25	0.235	0.625	0.250	3.00	4	S173-007	\$124.39	\$129.47
M10	1.50	0.300	0.750	0.3125	3.00	4	S173-008	\$167.01	\$173.60
M12	1.75	0.360	0.875	0.375	3.00	4	S173-009	\$183.57	\$190.15
M14	1.50	0.370	0.875	0.375	3.00	4	S173-010	\$183.57	\$190.15
M16	2.00	0.490	1.250	0.500	4.00	4	S173-011	\$239.61	\$248.74
M18	1.50	0.490	1.250	0.500	4.00	4	S173-012	\$239.61	\$248.74
M20	2.50	0.495	1.250	0.500	4.00	4	S173-013	\$239.61	\$248.74
M22	2.50	0.620	1.250	0.625	4.00	4	S173-014	\$309.43	\$318.55
M24	3.00	0.620	1.250	0.625	4.00	4	S173-015	\$309.43	\$318.55
M30	3.50	0.620	1.250	0.625	4.00	4	S173-016	\$309.43	\$318.55
M36	4.00	0.620	1.250	0.625	4.00	4	S173-017	\$309.43	\$318.55



Custom Coolant Thru Tools



**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances vary by design
- Tool types: end mills, drills, reamers, thread mills, broaches
- Custom options: diameter, flute length, overall length of cut, reach
- Standard coolant thru material stocked and on-hand
- Specialty coolant thru materials available by special order
- Coated and uncoated
- Specials usually available in two weeks or less

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Contact us for an estimate today.**



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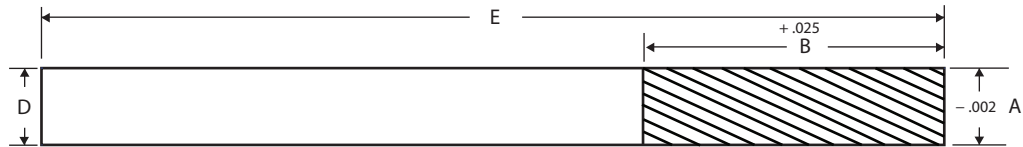
171

S42

30° Helix Square End Mills

FLUTES
4

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.1875 (3/16)	0.500	0.1875	2.00	S42-001	\$18.80	\$23.42
0.250 (1/4)	0.625	0.250	2.50	S42-002	\$25.12	\$29.74
0.375 (3/8)	0.750	0.375	2.50	S42-003	\$40.10	\$46.09
0.500 (1/2)	1.00	0.500	3.00	S42-004	\$75.11	\$83.40
0.750 (3/4)	1.50	0.750	4.00	S42-005	\$186.82	\$203.09
1.00	1.50	1.00	4.00	S42-007	\$256.75	\$288.25
1.00	1.50	0.750	4.00	S42-006*	\$283.35	\$314.85



NOTE:

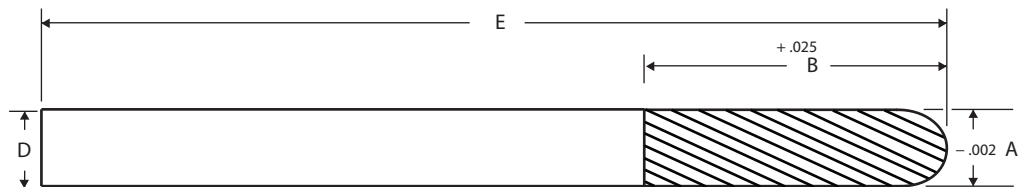
* 3/4" Reduced Shank

S47

30° Helix Ball End Mills

FLUTES
4

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.1875 (3/16)	0.500	0.1875	2.00	S47-001	\$27.25	\$31.87
0.250 (1/4)	0.625	0.250	2.50	S47-002	\$34.09	\$38.71
0.375 (3/8)	0.750	0.375	2.50	S47-003	\$46.69	\$52.68
0.500 (1/2)	1.00	0.500	3.00	S47-004	\$89.50	\$97.80
0.750 (3/4)	1.50	0.750	4.00	S47-005	\$243.83	\$260.11
1.00	1.50	1.00	4.00	S47-006	\$310.41	\$341.91
1.00	1.50	0.750	4.00	S47-007*	\$343.67	\$375.17



NOTE:

* 3/4" Reduced Shank

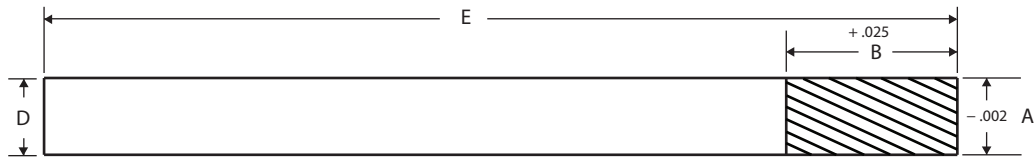


Need your tool quickly? All standard tools are available to ship within 3 days or less. See page 117 for more details.

30° Helix Square End Mills

S20
**FLUTES
5**
**1.5X
LENGTH
OF CUT**

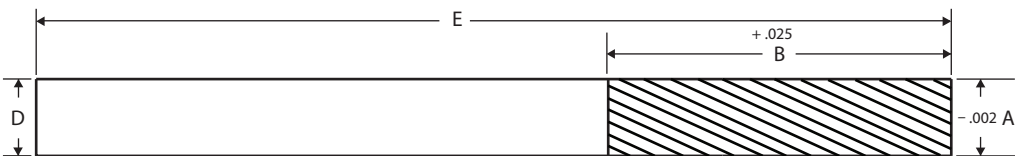
Mill Diameter	Length of Cut	Shank Diameter	Overall Length	Tool #	Price	AITIN Coated Price
A	B	D	E			
0.125 (1/8)	0.1875	0.125	2.00	S20-001	\$20.02	\$22.12
0.1875 (3/16)	0.2810	0.1875	2.00	S20-002	\$22.02	\$26.66
0.250 (1/4)	0.3750	0.250	2.00	S20-003	\$23.37	\$27.99
0.3125 (5/16)	0.4690	0.3125	2.00	S20-004	\$30.87	\$36.86
0.375 (3/8)	0.5620	0.375	2.50	S20-005	\$37.19	\$43.18
0.500 (1/2)	0.7500	0.500	3.00	S20-006	\$58.63	\$66.93



30° Helix Square End Mills

S26
**FLUTES
5**
**3X
LENGTH
OF CUT**

Mill Diameter	Length of Cut	Shank Diameter	Overall Length	Tool #	Price	AITIN Coated Price
A	B	D	E			
0.125 (1/8)	0.3750	0.125	2.00	S26-001	\$23.12	\$25.22
0.1875 (3/16)	0.5625	0.1875	2.00	S26-002	\$24.60	\$29.22
0.250 (1/4)	0.7500	0.250	2.00	S26-003	\$26.03	\$30.64
0.3125 (5/16)	0.9375	0.3125	2.00	S26-004	\$35.13	\$41.12
0.375 (3/8)	1.1250	0.375	2.50	S26-005	\$42.11	\$48.09
0.500 (1/2)	1.5000	0.500	3.00	S26-006	\$64.12	\$72.42



S21

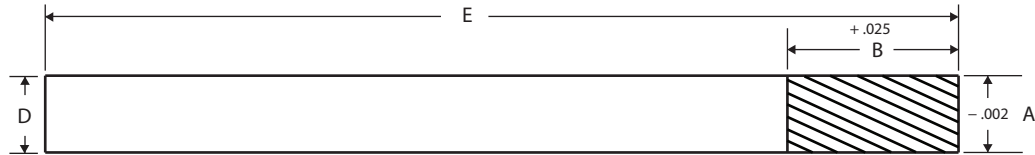
Square Variable Helix End Mills

FLUTES
5

1.5X
LENGTH
OF CUT

VARIABLE
HELIX

Mill Diameter	Length of Cut	Shank Diameter	Overall Length	Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.125 (1/8)	0.1875	0.125	1.50	S21-001	\$42.95	\$45.05
0.1875 (3/16)	0.2810	0.1875	2.00	S21-005	\$53.76	\$58.38
0.250 (1/4)	0.3750	0.250	2.00	S21-002	\$63.89	\$68.51
0.375 (3/8)	0.5630	0.375	2.50	S21-003	\$75.02	\$81.01
0.500 (1/2)	0.7500	0.500	3.00	S21-004	\$107.78	\$116.08



S14

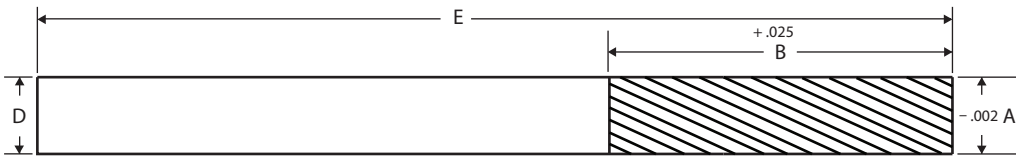
Square Variable Helix End Mills

FLUTES
5

3X
LENGTH
OF CUT

VARIABLE
HELIX

Mill Diameter	Length of Cut	Shank Diameter	Overall Length	Tool #	Price	AlTiN Coated Price
A	B	D	E			
0.125 (1/8)	0.3750	0.125	1.50	S14-001	\$45.47	\$47.57
0.1875 (3/16)	0.5625	0.1875	2.00	S14-002	\$56.81	\$61.43
0.250 (1/4)	0.7500	0.250	2.00	S14-003	\$66.99	\$71.61
0.375 (3/8)	1.1250	0.375	3.00	S14-004	\$82.53	\$88.52
0.500 (1/2)	1.5000	0.500	3.00	S14-005	\$116.97	\$125.27



MITGI INSIDE ACCOUNT REPRESENTATIVES

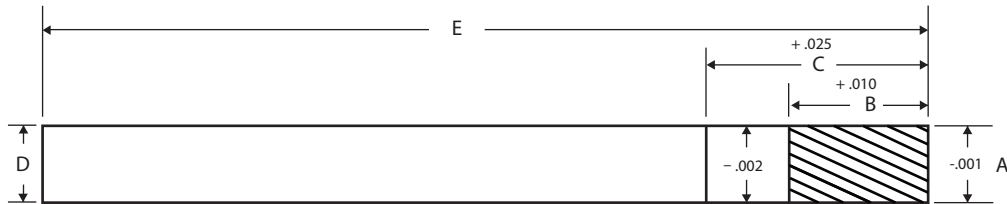
P. 2

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Square Aluminum Cutting End Mills

S43
**FLUTES
3**

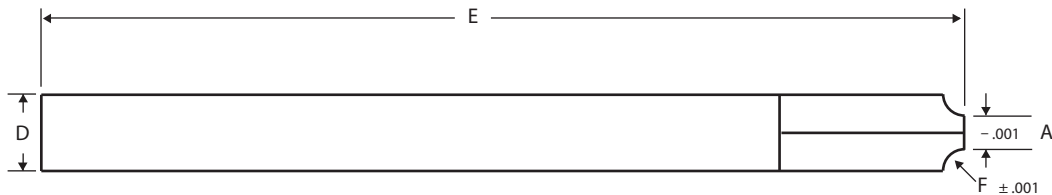

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	Tool #	Price	TiCN Coated Price
A	B	C	D	E			
0.125 (1/8)	0.250	N/A	0.125	1.50	S43-001	\$19.25	\$21.35
0.125 (1/8)	0.250	0.500	0.125	1.50	S43-002	\$25.25	\$27.35
0.125 (1/8)	0.250	1.375	0.125	3.00	S43-003	\$29.44	\$31.54
0.1875 (3/16)	0.3125	N/A	0.1875	2.00	S43-004	\$22.02	\$26.64
0.1875 (3/16)	0.3125	0.500	0.1875	2.00	S43-005	\$27.32	\$31.94
0.1875 (3/16)	0.3125	1.375	0.1875	3.00	S43-006	\$31.39	\$36.01
0.250 (1/4)	0.375	N/A	0.250	2.50	S43-007	\$26.67	\$31.29
0.250 (1/4)	0.375	1.125	0.250	2.50	S43-008	\$30.61	\$35.23
0.250 (1/4)	0.375	2.125	0.250	4.00	S43-009	\$35.45	\$40.07
0.375 (3/8)	0.500	N/A	0.375	2.50	S43-010	\$36.04	\$41.02
0.375 (3/8)	0.500	1.125	0.375	2.50	S43-011	\$40.88	\$45.86
0.375 (3/8)	0.500	2.125	0.375	4.00	S43-012	\$49.20	\$54.19
0.500 (1/2)	0.625	N/A	0.500	3.00	S43-013	\$60.44	\$66.80
0.500 (1/2)	0.625	1.375	0.500	3.00	S43-014	\$68.71	\$75.07
0.500 (1/2)	0.625	2.375	0.500	4.00	S43-015	\$76.07	\$82.43



Single End Corner Rounding End Mills

S22
**FLUTES
4**

Radius	Minor Diameter	Shank Diameter	Overall Length	# of Flutes	Tool #	Price	AlTiN Coated Price
F	A	D	E				
0.010	0.105	0.125	1.50	4	S22-001	\$27.25	\$29.35
0.015	0.095	0.125	1.50	4	S22-002	\$27.25	\$29.35
0.020	0.085	0.125	1.50	4	S22-003	\$27.25	\$29.35
0.025	0.075	0.125	1.50	4	S22-004	\$27.25	\$29.35
0.031	0.063	0.125	1.50	4	S22-005	\$27.25	\$29.35
0.035	0.055	0.125	1.50	4	S22-006	\$27.25	\$29.35
0.040	0.045	0.125	1.50	4	S22-007	\$27.25	\$29.35
0.047	0.094	0.1875	2.00	4	S22-008	\$35.91	\$40.52
0.050	0.087	0.1875	2.00	4	S22-009	\$35.91	\$40.52
0.055	0.077	0.1875	2.00	4	S22-010	\$35.91	\$40.52
0.062	0.063	0.1875	2.00	4	S22-011	\$35.91	\$40.52



S100

270° Undercutting End Mills / Cherry Ball Tools

**FLUTES
2,4**

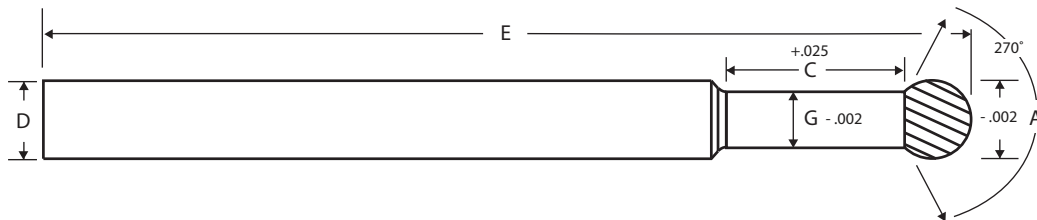
Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Neck Diameter	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	C	D	E	G				
0.0156 (1/64)	0.016	0.125	1.50	0.0094	S100-001-270	N/A	\$97.39	\$100.01
0.0156 (1/64)	0.031	0.125	1.50	0.0094	S100-002-270	N/A	\$99.36	\$101.99
0.0156 (1/64)	0.063	0.125	1.50	0.0094	S100-003-270	N/A	\$101.33	\$103.95
0.50mm	0.016	3mm	1.50	0.0118	S100-004-270	N/A	\$80.91	\$83.54
0.50mm	0.031	3mm	1.50	0.0118	S100-005-270	N/A	\$82.89	\$85.51
0.50mm	0.063	3mm	1.50	0.0118	S100-006-270	N/A	\$84.85	\$87.48
0.03125 (1/32)	0.031	0.125	1.50	0.0188	S100-007-270	S100-008-270	\$59.59	\$62.21
0.03125 (1/32)	0.063	0.125	1.50	0.0188	S100-009-270	S100-010-270	\$61.56	\$64.19
0.03125 (1/32)	0.125	0.125	1.50	0.0188	S100-011-270	S100-012-270	\$63.53	\$66.15
1.00mm	0.031	3mm	1.50	0.0236	S100-013-270	S100-014-270	\$59.59	\$62.21
1.00mm	0.063	3mm	1.50	0.0236	S100-015-270	S100-016-270	\$61.56	\$64.19
1.00mm	0.125	3mm	1.50	0.0236	S100-017-270	S100-018-270	\$63.53	\$66.15
1.50mm	0.031	3mm	1.50	0.0354	S100-019-270	S100-020-270	\$52.76	\$55.39
1.50mm	0.063	3mm	1.50	0.0354	S100-021-270	S100-022-270	\$54.74	\$57.36
1.50mm	0.125	3mm	1.50	0.0354	S100-023-270	S100-024-270	\$56.70	\$59.33
0.0625 (1/16)	0.063	0.125	1.50	0.0375	S100-025-270	S100-026-270	\$41.21	\$43.84
0.0625 (1/16)	0.125	0.125	1.50	0.0375	S100-027-270	S100-028-270	\$43.19	\$45.81
0.0625 (1/16)	0.250	0.125	1.50	0.0375	S100-029-270	S100-030-270	\$45.15	\$47.78
2.00mm	0.063	3mm	1.50	0.0472	S100-031-270	S100-032-270	\$39.11	\$41.74
2.00mm	0.125	3mm	1.50	0.0472	S100-033-270	S100-034-270	\$41.09	\$43.71
2.00mm	0.250	3mm	1.50	0.0472	S100-035-270	S100-036-270	\$43.05	\$45.68
2.50mm	0.063	3mm	1.50	0.0591	S100-037-270	S100-038-270	\$36.55	\$39.18
2.50mm	0.125	3mm	1.50	0.0591	S100-039-270	S100-040-270	\$38.53	\$41.15
2.50mm	0.250	3mm	1.50	0.0591	S100-041-270	S100-042-270	\$40.49	\$43.11
3.00mm	0.125	3mm	1.50	0.0709	S100-043-270	S100-044-270	\$34.65	\$37.28
3.00mm	0.250	3mm	1.50	0.0709	S100-045-270	S100-046-270	\$36.63	\$39.25
3.00mm	0.500	3mm	1.50	0.0709	S100-047-270	S100-048-270	\$38.59	\$41.21
0.125 (1/8)	0.125	0.125	1.50	0.0750	S100-049-270	S100-050-270	\$34.65	\$37.28
0.125 (1/8)	0.250	0.125	1.50	0.0750	S100-051-270	S100-052-270	\$36.63	\$39.25
0.125 (1/8)	0.500	0.125	1.50	0.0750	S100-053-270	S100-054-270	\$38.59	\$41.21
3.50mm	0.125	4mm	2.50	0.0827	S100-055-270	S100-056-270	\$38.33	\$44.10
3.50mm	0.250	4mm	2.50	0.0827	S100-057-270	S100-058-270	\$40.95	\$46.73
3.50mm	0.500	4mm	2.50	0.0827	S100-059-270	S100-060-270	\$42.93	\$48.70
4.00mm	0.125	4mm	2.50	0.1024	S100-061-270	S100-062-270	\$38.33	\$44.10
4.00mm	0.250	4mm	2.50	0.1024	S100-063-270	S100-064-270	\$40.95	\$46.73
4.00mm	0.500	4mm	2.50	0.1024	S100-065-270	S100-066-270	\$42.93	\$48.70
0.1875 (3/16)	0.250	0.1875	2.50	0.1219	S100-067-270	S100-068-270	\$40.43	\$46.20
0.1875 (3/16)	0.500	0.1875	2.50	0.1219	S100-069-270	S100-070-270	\$43.05	\$48.83
0.1875 (3/16)	0.750	0.1875	2.50	0.1219	S100-071-270	S100-072-270	\$45.03	\$50.80
5.50mm	0.250	6mm	2.50	0.1407	S100-073-270	S100-074-270	\$43.90	\$49.68
5.50mm	0.500	6mm	2.50	0.1407	S100-075-270	S100-076-270	\$46.53	\$52.30
5.50mm	0.750	6mm	2.50	0.1407	S100-077-270	S100-078-270	\$48.50	\$54.28
6.00mm	0.250	6mm	2.50	0.1535	S100-079-270	S100-080-270	\$52.76	\$58.54
6.00mm	0.500	6mm	2.50	0.1535	S100-081-270	S100-082-270	\$55.39	\$61.16
6.00mm	0.750	6mm	2.50	0.1535	S100-083-270	S100-084-270	\$57.36	\$63.14



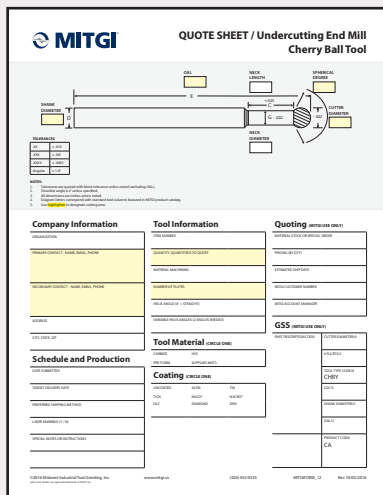
270° Undercutting End Mills / Cherry Ball Tools

S100
**FLUTES
2,4**

Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Neck Diameter	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	C	D	E	G				
0.250 (1/4)	0.250	0.250	2.50	0.1625	S100-085-270	S100-086-270	\$55.45	\$61.23
0.250 (1/4)	0.500	0.250	2.50	0.1625	S100-087-270	S100-088-270	\$58.08	\$63.85
0.250 (1/4)	0.750	0.250	2.50	0.1625	S100-089-270	S100-090-270	\$60.05	\$65.83
0.3125 (5/16)	0.250	0.3125	2.50	0.2031	S100-091-270	S100-092-270	\$64.58	\$72.06
0.3125 (5/16)	0.500	0.3125	2.50	0.2031	S100-093-270	S100-094-270	\$67.20	\$74.69
0.3125 (5/16)	0.750	0.3125	2.50	0.2031	S100-095-270	S100-096-270	\$69.18	\$76.65
0.375 (3/8)	0.250	0.375	2.50	0.2438	S100-097-270	S100-098-270	\$75.74	\$83.21
0.375 (3/8)	0.500	0.375	2.50	0.2438	S100-099-270	S100-100-270	\$79.01	\$86.50
0.375 (3/8)	0.750	0.375	2.50	0.2438	S100-101-270	S100-102-270	\$80.99	\$88.46



Custom Undercutting, Cherry Ball, or Lollipop Tools



**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

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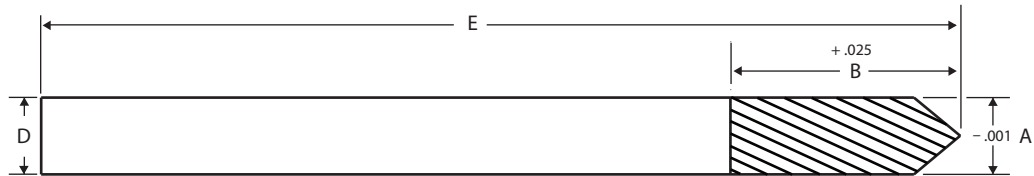
- Shank diameter = 3mm – 1.250 in
- Tolerances and number of flutes vary by design
- Cutter diameter sizes = 0.0156 (1/64) to 0.375 (3/8)
- Any spherical ball size, multiple neck lengths, cutter diameter, reach
- Coated or uncoated
- Specials usually available in two weeks or less

**Quote forms available on our website and upon request.
Contact us for an estimate today.**



S16
90° Carbide NC Spot Drills

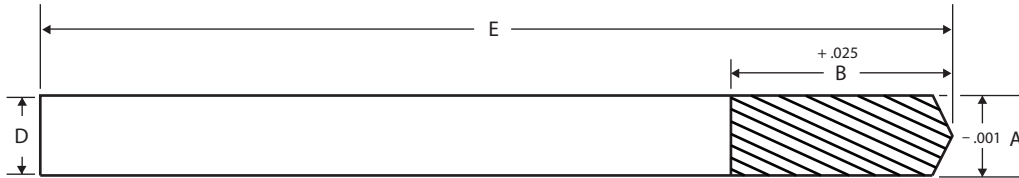
Cutter Diameter	Shank Diameter	Overall Length	Flute Length	Facet Point	Tool #	Price	AlTiN Coated Price
A	D	E	B				
0.0313 (1/32)	0.125 (1/8)	1.50	0.093	N/A	S16-017	\$18.95	\$21.05
0.0313 (1/32)	0.125 (1/8)	1.50	0.093	4 Facet Point	S16-018	\$18.95	\$21.05
0.0625 (1/16)	0.125 (1/8)	1.50	0.188	N/A	S16-019	\$18.95	\$21.05
0.0625 (1/16)	0.125 (1/8)	1.50	0.188	4 Facet Point	S16-020	\$18.95	\$21.05
0.125 (1/8)	0.125 (1/8)	2.00	0.375	N/A	S16-001	\$16.40	\$18.50
0.125 (1/8)	0.125 (1/8)	2.00	0.375	4 Facet Point	S16-002	\$16.40	\$18.50
0.1875 (3/16)	0.1875 (3/16)	2.00	0.625	N/A	S16-003	\$17.57	\$22.19
0.1875 (3/16)	0.1875 (3/16)	2.00	0.625	4 Facet Point	S16-004	\$17.57	\$22.19
0.250 (1/4)	0.250 (1/4)	2.00	0.625	N/A	S16-005	\$26.86	\$31.48
0.250 (1/4)	0.250 (1/4)	2.00	0.625	4 Facet Point	S16-006	\$26.86	\$31.48
0.3125 (5/16)	0.3125 (5/16)	2.00	0.750	N/A	S16-007	\$35.65	\$41.63
0.3125 (5/16)	0.3125 (5/16)	2.00	0.750	4 Facet Point	S16-008	\$35.65	\$41.63
0.375 (3/8)	0.375 (3/8)	2.50	0.750	N/A	S16-009	\$45.78	\$51.77
0.375 (3/8)	0.375 (3/8)	2.50	0.750	4 Facet Point	S16-010	\$45.78	\$51.77
0.500 (1/2)	0.500 (1/2)	3.00	1.000	N/A	S16-011	\$65.93	\$74.23
0.500 (1/2)	0.500 (1/2)	3.00	1.000	4 Facet Point	S16-012	\$65.93	\$74.23
0.625 (5/8)	0.625 (5/8)	3.50	1.125	N/A	S16-013	\$130.05	\$138.35
0.625 (5/8)	0.625 (5/8)	3.50	1.125	4 Facet Point	S16-014	\$130.05	\$138.35
0.750 (3/4)	0.750 (3/4)	4.00	1.250	N/A	S16-015	\$197.73	\$214.00
0.750 (3/4)	0.750 (3/4)	4.00	1.250	4 Facet Point	S16-016	\$197.73	\$214.00



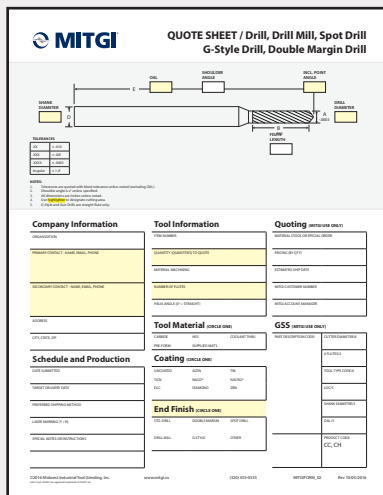
118° Carbide NC Spot Drills

S213

Cutter Diameter	Shank Diameter	Overall Length	Flute Length	Facet Point	Tool #	Price	AlTiN Coated Price
A	D	E	B				
0.0313 (1/32)	0.125 (1/8)	1.50	0.093	N/A	S213-017	\$18.95	\$21.05
0.0313 (1/32)	0.125 (1/8)	1.50	0.093	4 Facet Point	S213-018	\$18.95	\$21.05
0.0625 (1/16)	0.125 (1/8)	1.50	0.188	N/A	S213-019	\$18.95	\$21.05
0.0625 (1/16)	0.125 (1/8)	1.50	0.188	4 Facet Point	S213-020	\$18.95	\$21.05
0.125 (1/8)	0.125 (1/8)	2.00	0.375	N/A	S213-001	\$16.40	\$18.50
0.125 (1/8)	0.125 (1/8)	2.00	0.375	4 Facet Point	S213-002	\$16.40	\$18.50
0.1875 (3/16)	0.1875 (3/16)	2.00	0.625	N/A	S213-003	\$17.57	\$22.19
0.1875 (3/16)	0.1875 (3/16)	2.00	0.625	4 Facet Point	S213-004	\$17.57	\$22.19
0.250 (1/4)	0.250 (1/4)	2.00	0.625	N/A	S213-005	\$26.86	\$31.48
0.250 (1/4)	0.250 (1/4)	2.00	0.625	4 Facet Point	S213-006	\$26.86	\$31.48
0.3125 (5/16)	0.3125 (5/16)	2.00	0.750	N/A	S213-007	\$35.65	\$41.63
0.3125 (5/16)	0.3125 (5/16)	2.00	0.750	4 Facet Point	S213-008	\$35.65	\$41.63
0.375 (3/8)	0.375 (3/8)	2.50	0.750	N/A	S213-009	\$45.78	\$51.77
0.375 (3/8)	0.375 (3/8)	2.50	0.750	4 Facet Point	S213-010	\$45.78	\$51.77
0.500 (1/2)	0.500 (1/2)	3.00	1.000	N/A	S213-011	\$65.93	\$74.23
0.500 (1/2)	0.500 (1/2)	3.00	1.000	4 Facet Point	S213-012	\$65.93	\$74.23
0.625 (5/8)	0.625 (5/8)	3.50	1.125	N/A	S213-013	\$130.05	\$138.35
0.625 (5/8)	0.625 (5/8)	3.50	1.125	4 Facet Point	S213-014	\$130.05	\$138.35
0.750 (3/4)	0.750 (3/4)	4.00	1.250	N/A	S213-015	\$197.73	\$214.00
0.750 (3/4)	0.750 (3/4)	4.00	1.250	4 Facet Point	S213-016	\$197.73	\$214.00



Custom Spot Drills



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Specials or modified standards may be the answer.**

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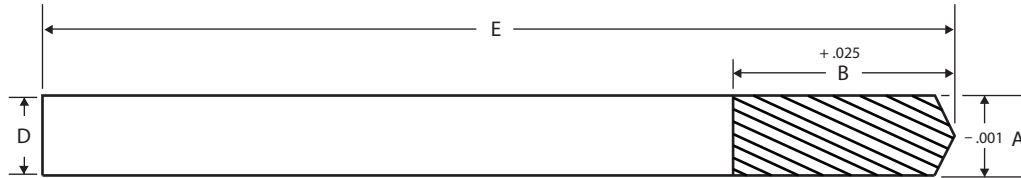
- Shank diameter = 3mm – 1.250 in
- Tolerances and flute types vary by design
- Specs include: shoulder angle, flute length, included point angle, and drill diameter
- Extended reach and extended length of cut options
- Carbide or HSS
- Coated and uncoated
- Specials usually available in two weeks or less

**Quote forms available on our website and upon request.
Contact us for an estimate today.**



S110
140° Carbide NC Spot Drills

Cutter Diameter	Shank Diameter	Overall Length	Flute Length	Facet Point	Tool #	Price	AlTiN Coated Price
A	D	E	B				
0.0313 (1/32)	0.125 (1/8)	1.50	0.093	N/A	S110-017	\$18.95	\$21.05
0.0313 (1/32)	0.125 (1/8)	1.50	0.093	4 Facet Point	S110-018	\$18.95	\$21.05
0.0625 (1/16)	0.125 (1/8)	1.50	0.188	N/A	S110-019	\$18.95	\$21.05
0.0625 (1/16)	0.125 (1/8)	1.50	0.188	4 Facet Point	S110-020	\$18.95	\$21.05
0.125 (1/8)	0.125 (1/8)	2.00	0.375	N/A	S110-001	\$16.40	\$18.50
0.125 (1/8)	0.125 (1/8)	2.00	0.375	4 Facet Point	S110-002	\$16.40	\$18.50
0.1875 (3/16)	0.1875 (3/16)	2.00	0.625	N/A	S110-003	\$17.57	\$22.19
0.1875 (3/16)	0.1875 (3/16)	2.00	0.625	4 Facet Point	S110-004	\$17.57	\$22.19
0.250 (1/4)	0.250 (1/4)	2.00	0.625	N/A	S110-005	\$26.86	\$31.48
0.250 (1/4)	0.250 (1/4)	2.00	0.625	4 Facet Point	S110-006	\$26.86	\$31.48
0.3125 (5/16)	0.3125 (5/16)	2.00	0.750	N/A	S110-007	\$35.65	\$41.63
0.3125 (5/16)	0.3125 (5/16)	2.00	0.750	4 Facet Point	S110-008	\$35.65	\$41.63
0.375 (3/8)	0.375 (3/8)	2.50	0.750	N/A	S110-009	\$45.78	\$51.77
0.375 (3/8)	0.375 (3/8)	2.50	0.750	4 Facet Point	S110-010	\$45.78	\$51.77
0.500 (1/2)	0.500 (1/2)	3.00	1.000	N/A	S110-011	\$65.93	\$74.23
0.500 (1/2)	0.500 (1/2)	3.00	1.000	4 Facet Point	S110-012	\$65.93	\$74.23
0.625 (5/8)	0.625 (5/8)	3.50	1.125	N/A	S110-013	\$130.05	\$138.35
0.625 (5/8)	0.625 (5/8)	3.50	1.125	4 Facet Point	S110-014	\$130.05	\$138.35
0.750 (3/4)	0.750 (3/4)	4.00	1.250	N/A	S110-015	\$197.73	\$214.00
0.750 (3/4)	0.750 (3/4)	4.00	1.250	4 Facet Point	S110-016	\$197.73	\$214.00



60° Drill Mills, Carbide

S33
**FLUTES
2,4**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Drill Point	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.125 (1/8)	0.500	0.125	1.50	60°	S33-003	S33-004	\$35.02	\$37.33
0.1875 (3/16)	0.625	0.1875	2.00	60°	S33-005	S33-006	\$36.30	\$41.38
0.250 (1/4)	0.750	0.250	2.50	60°	S33-007	S33-008	\$49.43	\$54.52

90° Drill Mills, Carbide

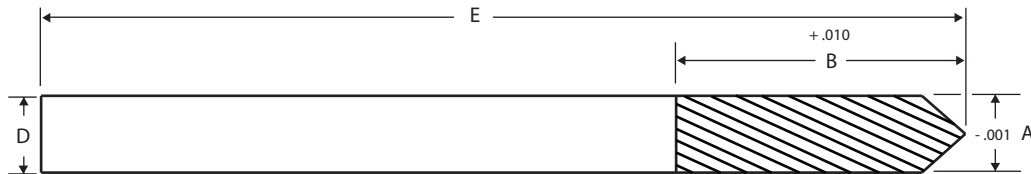
S28
**FLUTES
2,4**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Drill Point	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.125 (1/8)	0.500	0.125	1.50	90°	S28-001	S28-002	\$35.02	\$37.33
0.1875 (3/16)	0.625	0.1875	2.00	90°	S28-003	S28-004	\$36.30	\$41.38
0.250 (1/4)	0.750	0.250	2.50	90°	S28-005	S28-006	\$49.43	\$54.52

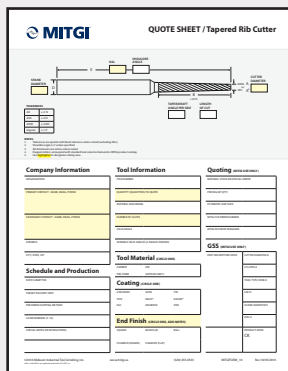
120° Drill Mills, Carbide

S29
**FLUTES
2,4**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Drill Point	2 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
A	B	D	E					
0.125 (1/8)	0.500	0.125	1.50	120°	S29-001	S29-002	\$35.02	\$37.33
0.1875 (3/16)	0.625	0.1875	2.00	120°	S29-003	S29-004	\$36.30	\$41.38
0.250 (1/4)	0.750	0.250	2.50	120°	S29-005	S29-006	\$49.43	\$54.52



Custom Drill Mills



Can't find a tool to meet your exact specifications? Specials or modified standards may be the answer.

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances and number of flutes vary by design
- Specs: shoulder angle, length of cut, included point angle, and cutter diameter
- Coated and uncoated
- Specials usually available in two weeks or less

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Contact us for an estimate today.



**TEETH
6,8**

KEYSEAT CUTTER TOOL DIAGRAMS FOUND ON PAGE 183

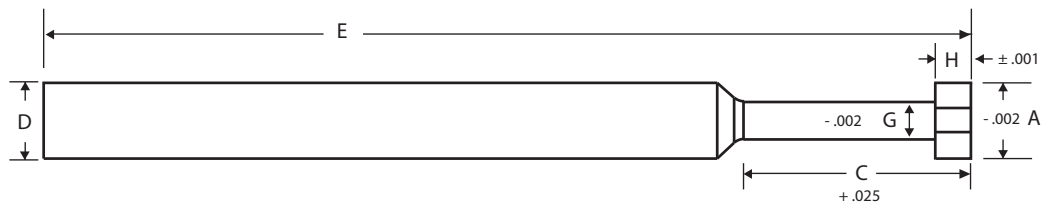
Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Neck Diameter	Cutter Width	# of Teeth	Tool #	Price	AITIN Coated Price
A	C	D	E	G	H				
0.0625 (1/16)	0.094	0.125	1.50	0.031	0.016	6	S97-001-SQ	\$59.38	\$62.11
0.0625 (1/16)	0.188	0.125	1.50	0.031	0.016	6	S97-002-SQ	\$62.04	\$64.77
0.125 (1/8)	0.188	0.125	1.50	0.063	0.031	6	S97-003-SQ	\$49.69	\$52.42
0.125 (1/8)	0.375	0.125	1.50	0.063	0.031	6	S97-004-SQ	\$58.08	\$60.81
0.125 (1/8)	0.188	0.125	1.50	0.063	0.063	6	S97-005-SQ	\$49.69	\$52.42
0.125 (1/8)	0.375	0.125	1.50	0.063	0.063	6	S97-006-SQ	\$58.08	\$60.81
0.125 (1/8)	0.188	0.125	1.50	0.063	0.125	6	S97-007-SQ	\$49.69	\$52.42
0.125 (1/8)	0.375	0.125	1.50	0.063	0.125	6	S97-008-SQ	\$58.08	\$60.81
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.063	6	S97-009-SQ	\$50.92	\$56.93
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.063	6	S97-010-SQ	\$64.16	\$70.16
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.125	6	S97-011-SQ	\$50.92	\$56.93
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.125	6	S97-012-SQ	\$64.16	\$70.16
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.188	6	S97-013-SQ	\$50.92	\$56.93
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.188	6	S97-014-SQ	\$64.16	\$70.16
0.250 (1/4)	0.375	0.250	2.50	0.125	0.063	6	S97-015-SQ	\$58.29	\$64.30
0.250 (1/4)	0.750	0.250	2.50	0.125	0.063	6	S97-016-SQ	\$71.32	\$77.32
0.250 (1/4)	0.375	0.250	2.50	0.125	0.125	6	S97-017-SQ	\$58.29	\$64.30
0.250 (1/4)	0.750	0.250	2.50	0.125	0.125	6	S97-018-SQ	\$71.32	\$77.32
0.250 (1/4)	0.375	0.250	2.50	0.125	0.188	6	S97-019-SQ	\$58.29	\$64.30
0.250 (1/4)	0.750	0.250	2.50	0.125	0.188	6	S97-020-SQ	\$71.32	\$77.32
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.063	6	S97-021-SQ	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.063	6	S97-022-SQ	\$102.38	\$110.16
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.094	6	S97-041-SQ	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.094	6	S97-042-SQ	\$102.38	\$110.16
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.125	6	S97-023-SQ	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.125	6	S97-024-SQ	\$102.38	\$110.16
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.188	6	S97-025-SQ	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.188	6	S97-026-SQ	\$102.38	\$110.16
0.375 (3/8)	0.563	0.375	3.00	0.188	0.063	8	S97-027-SQ	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.063	8	S97-028-SQ	\$114.53	\$122.30
0.375 (3/8)	0.563	0.375	3.00	0.188	0.094	8	S97-043-SQ	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.094	8	S97-044-SQ	\$114.53	\$122.30
0.375 (3/8)	0.563	0.375	3.00	0.188	0.125	8	S97-029-SQ	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.125	8	S97-030-SQ	\$114.53	\$122.30
0.375 (3/8)	0.563	0.375	3.00	0.188	0.250	8	S97-031-SQ	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.250	8	S97-032-SQ	\$114.53	\$122.30
0.500 (1/2)	0.750	0.500	4.00	0.250	0.094	8	S97-033-SQ	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.094	8	S97-034-SQ	\$124.42	\$135.20
0.500 (1/2)	0.750	0.500	4.00	0.250	0.125	8	S97-035-SQ	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.125	8	S97-036-SQ	\$124.42	\$135.20
0.500 (1/2)	0.750	0.500	4.00	0.250	0.250	8	S97-037-SQ	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.250	8	S97-038-SQ	\$124.42	\$135.20
0.500 (1/2)	0.750	0.500	4.00	0.250	0.375	8	S97-039-SQ	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.375	8	S97-040-SQ	\$124.42	\$135.20

Standard Keyseat Cutters are available in a variety of end finishes: square, corner radius, full radius, and 45° chamfer.

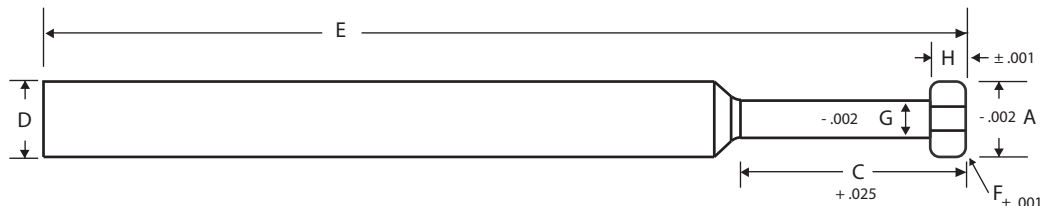
Each of our standard keyseat cutter lines include a variety of tools, all available in 3 days or less.

Don't see exactly what you need? Slight modifications to the specs on our standard keyseats may qualify for Quick Turn timelines. More complex keyseats are usually available in 2 weeks or less. Contact us with your modified standard or custom keyseat requests for timelines and production schedule availability.

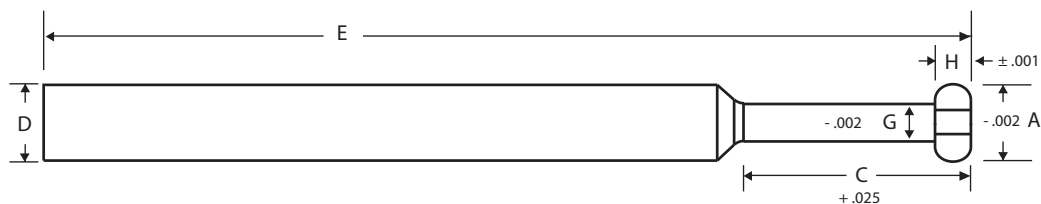
SQUARE KEYSEAT CUTTERS, p. 182



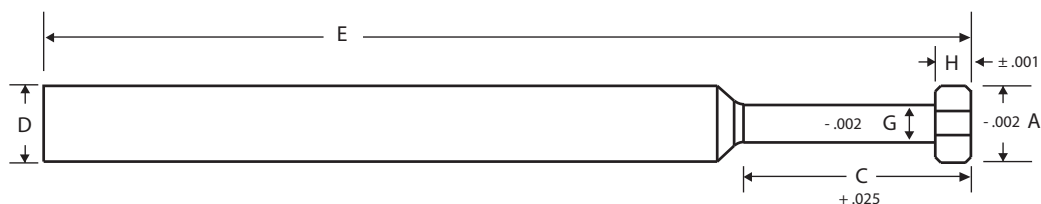
CORNER RADIUS KEYSEAT CUTTERS, p. 184-185



FULL RADIUS KEYSEAT CUTTERS, p. 186



45° CHAMFER KEYSEAT CUTTERS, p. 187



**TEETH
6,8**

KEYSEAT CUTTER TOOL DIAGRAMS FOUND ON PAGE 183

Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Corner Radius	Neck Diameter	Cutter Width	# of Teeth	Tool #	Price	AlTiN Coated Price
A	C	D	E	F	G	H				
0.0625 (1/16)	0.094	0.125	1.50	0.005	0.031	0.016	6	S219-001-.005R	\$79.65	\$82.38
0.0625 (1/16)	0.094	0.125	1.50	0.010	0.031	0.016	6	S219-002-.010R	\$79.65	\$82.38
0.125 (1/8)	0.188	0.125	1.50	0.005	0.063	0.031	6	S219-003-.005R	\$67.57	\$70.30
0.125 (1/8)	0.188	0.125	1.50	0.010	0.063	0.031	6	S219-004-.010R	\$67.57	\$70.30
0.125 (1/8)	0.188	0.125	1.50	0.005	0.063	0.063	6	S219-005-.005R	\$67.57	\$70.30
0.125 (1/8)	0.188	0.125	1.50	0.010	0.063	0.063	6	S219-006-.010R	\$67.57	\$70.30
0.125 (1/8)	0.188	0.125	1.50	0.005	0.063	0.125	6	S219-007-.005R	\$67.57	\$70.30
0.125 (1/8)	0.188	0.125	1.50	0.010	0.063	0.125	6	S219-008-.010R	\$67.57	\$70.30
0.1875 (3/16)	0.375	0.1875	2.00	0.005	0.094	0.063	6	S219-009-.005R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.010	0.094	0.063	6	S219-010-.010R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.015	0.094	0.063	6	S219-011-.015R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.005	0.094	0.125	6	S219-012-.005R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.010	0.094	0.125	6	S219-013-.010R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.015	0.094	0.125	6	S219-014-.015R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.005	0.094	0.188	6	S219-015-.005R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.010	0.094	0.188	6	S219-016-.010R	\$77.26	\$83.27
0.1875 (3/16)	0.375	0.1875	2.00	0.015	0.094	0.188	6	S219-017-.015R	\$77.26	\$83.27
0.250 (1/4)	0.375	0.250	2.50	0.005	0.125	0.063	6	S219-018-.005R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.010	0.125	0.063	6	S219-019-.010R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.015	0.125	0.063	6	S219-020-.015R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.005	0.125	0.125	6	S219-021-.005R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.010	0.125	0.125	6	S219-022-.010R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.015	0.125	0.125	6	S219-023-.015R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.005	0.125	0.188	6	S219-024-.005R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.010	0.125	0.188	6	S219-025-.010R	\$93.57	\$99.58
0.250 (1/4)	0.375	0.250	2.50	0.015	0.125	0.188	6	S219-026-.015R	\$93.57	\$99.58
0.3125 (5/16)	0.500	0.3125	3.00	0.005	0.156	0.063	6	S219-027-.005R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.010	0.156	0.063	6	S219-028-.010R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.015	0.156	0.063	6	S219-029-.015R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.005	0.156	0.094	6	S219-030-.005R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.010	0.156	0.094	6	S219-031-.010R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.015	0.156	0.094	6	S219-032-.015R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.005	0.156	0.125	6	S219-033-.005R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.010	0.156	0.125	6	S219-034-.010R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.015	0.156	0.125	6	S219-035-.015R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.005	0.156	0.188	6	S219-036-.005R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.010	0.156	0.188	6	S219-037-.010R	\$98.97	\$106.74
0.3125 (5/16)	0.500	0.3125	3.00	0.015	0.156	0.188	6	S219-038-.015R	\$98.97	\$106.74
0.375 (3/8)	0.563	0.375	3.00	0.005	0.188	0.063	8	S219-039-.005R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.010	0.188	0.063	8	S219-040-.010R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.015	0.188	0.063	8	S219-041-.015R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.005	0.188	0.094	8	S219-042-.005R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.010	0.188	0.094	8	S219-043-.010R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.015	0.188	0.094	8	S219-044-.015R	\$104.56	\$112.35

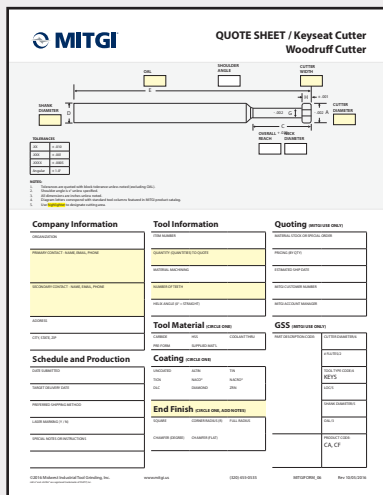
Corner Radius Keyseat Cutters

S219

Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Corner Radius	Neck Diameter	Cutter Width	# of Teeth	Tool #	Price	AlTiN Coated Price
A	C	D	E	F	G	H				
0.375 (3/8)	0.563	0.375	3.00	0.005	0.188	0.125	8	S219-045-.005R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.010	0.188	0.125	8	S219-046-.010R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.015	0.188	0.125	8	S219-047-.015R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.005	0.188	0.250	8	S219-048-.005R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.010	0.188	0.250	8	S219-049-.010R	\$104.56	\$112.35
0.375 (3/8)	0.563	0.375	3.00	0.015	0.188	0.250	8	S219-050-.015R	\$104.56	\$112.35
0.500 (1/2)	0.750	0.500	4.00	0.005	0.250	0.094	8	S219-051-.005R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.010	0.250	0.094	8	S219-052-.010R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.015	0.250	0.094	8	S219-053-.015R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.005	0.250	0.125	8	S219-054-.005R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.010	0.250	0.125	8	S219-055-.010R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.015	0.250	0.125	8	S219-056-.015R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.005	0.250	0.250	8	S219-057-.005R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.010	0.250	0.250	8	S219-058-.010R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.015	0.250	0.250	8	S219-059-.015R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.005	0.250	0.375	8	S219-060-.005R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.010	0.250	0.375	8	S219-061-.010R	\$110.16	\$120.94
0.500 (1/2)	0.750	0.500	4.00	0.015	0.250	0.375	8	S219-062-.015R	\$110.16	\$120.94

**TEETH
6,8**


Custom Keyseat Cutters



MITGI QUOTE SHEET / Keyseat Cutter Woodruff Cutter

Diagram showing keyseat dimensions: A (Cutter Diameter), C (Overall Reach), D (Shank Diameter), E (Overall Length), F (Corner Radius), G (Neck Diameter), H (Cutter Width).

Company Information

Tool Information

Quoting

Tool Material

GSS

Coating

End Finish

Schedule and Production

**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances vary by design
- Specs include: overall length, shoulder angle, cutter width, cutter diameter, neck diameter, number of teeth
- End finish: square, corner radius, chamfer, full radius, stagger tooth
- Extended reach options
- Coated and uncoated
- Specials usually available in two weeks or less

**Quote forms available on our website and upon request.
Contact us for an estimate today.**



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185

S218
Full Radius Keyseat Cutters
**TEETH
6,8**

KEYSEAT CUTTER TOOL DIAGRAMS FOUND ON PAGE 183

Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Neck Diameter	Cutter Width	# of Teeth	Full Radius Tool #	Price	AITIN Coated Price
A	C	D	E	G	H				
0.0625 (1/16)	0.094	0.125	1.50	0.031	0.016	6	S218-001-FR	\$79.65	\$82.38
0.0625 (1/16)	0.188	0.125	1.50	0.031	0.016	6	S218-002-FR	\$83.06	\$85.79
0.125 (1/8)	0.188	0.125	1.50	0.063	0.031	6	S218-003-FR	\$67.57	\$70.30
0.125 (1/8)	0.375	0.125	1.50	0.063	0.031	6	S218-004-FR	\$78.08	\$80.81
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.063	6	S218-009-FR	\$77.26	\$83.27
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.063	6	S218-010-FR	\$93.78	\$99.79
0.250 (1/4)	0.375	0.250	2.50	0.125	0.063	6	S218-015-FR	\$93.57	\$99.58
0.250 (1/4)	0.750	0.250	2.50	0.125	0.063	6	S218-016-FR	\$108.80	\$114.80
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.063	6	S218-021-FR	\$98.97	\$106.74
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.063	6	S218-022-FR	\$114.32	\$122.10
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.094	6	S218-023-FR	\$98.97	\$106.74
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.094	6	S218-024-FR	\$114.32	\$122.10
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.125	6	S218-025-FR	\$98.97	\$106.74
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.125	6	S218-026-FR	\$114.32	\$122.10
0.375 (3/8)	0.563	0.375	3.00	0.188	0.063	8	S218-029-FR	\$104.56	\$112.35
0.375 (3/8)	1.125	0.375	3.00	0.188	0.063	8	S218-030-FR	\$119.85	\$127.63
0.375 (3/8)	0.563	0.375	3.00	0.188	0.094	8	S218-031-FR	\$104.56	\$112.35
0.375 (3/8)	1.125	0.375	3.00	0.188	0.094	8	S218-032-FR	\$119.85	\$127.63
0.375 (3/8)	0.563	0.375	3.00	0.188	0.125	8	S218-033-FR	\$104.56	\$112.35
0.375 (3/8)	1.125	0.375	3.00	0.188	0.125	8	S218-034-FR	\$119.85	\$127.63
0.500 (1/2)	0.750	0.500	4.00	0.250	0.094	8	S218-037-FR	\$110.16	\$120.94
0.500 (1/2)	1.500	0.500	4.00	0.250	0.094	8	S218-038-FR	\$125.37	\$136.16
0.500 (1/2)	0.750	0.500	4.00	0.250	0.125	8	S218-039-FR	\$110.16	\$120.94
0.500 (1/2)	1.500	0.500	4.00	0.250	0.125	8	S218-040-FR	\$125.37	\$136.16



45° Chamfer Keyseat Cutters

S97
**TEETH
6,8**


KEYSEAT CUTTER TOOL DIAGRAMS FOUND ON PAGE 183

Cutter Diameter	Overall Reach	Shank Diameter	Overall Length	Neck Diameter	Cutter Width	# of Teeth	Tool #	Price	AITIN Coated Price
A	C	D	E	G	H				
0.0625 (1/16)	0.094	0.125	1.50	0.031	0.016	6	S97-001-45	\$59.38	\$62.11
0.0625 (1/16)	0.188	0.125	1.50	0.031	0.016	6	S97-002-45	\$62.04	\$64.77
0.125 (1/8)	0.188	0.125	1.50	0.063	0.031	6	S97-003-45	\$49.69	\$52.42
0.125 (1/8)	0.375	0.125	1.50	0.063	0.031	6	S97-004-45	\$58.08	\$60.81
0.125 (1/8)	0.188	0.125	1.50	0.063	0.063	6	S97-005-45	\$49.69	\$52.42
0.125 (1/8)	0.375	0.125	1.50	0.063	0.063	6	S97-006-45	\$58.08	\$60.81
0.125 (1/8)	0.188	0.125	1.50	0.063	0.125	6	S97-007-45	\$49.69	\$52.42
0.125 (1/8)	0.375	0.125	1.50	0.063	0.125	6	S97-008-45	\$58.08	\$60.81
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.063	6	S97-009-45	\$50.92	\$56.93
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.063	6	S97-010-45	\$64.16	\$70.16
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.125	6	S97-011-45	\$50.92	\$56.93
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.125	6	S97-012-45	\$64.16	\$70.16
0.1875 (3/16)	0.375	0.1875	2.00	0.094	0.188	6	S97-013-45	\$50.92	\$56.93
0.1875 (3/16)	0.500	0.1875	2.00	0.094	0.188	6	S97-014-45	\$64.16	\$70.16
0.250 (1/4)	0.375	0.250	2.50	0.125	0.063	6	S97-015-45	\$58.29	\$64.30
0.250 (1/4)	0.750	0.250	2.50	0.125	0.063	6	S97-016-45	\$71.32	\$77.32
0.250 (1/4)	0.375	0.250	2.50	0.125	0.125	6	S97-017-45	\$58.29	\$64.30
0.250 (1/4)	0.750	0.250	2.50	0.125	0.125	6	S97-018-45	\$71.32	\$77.32
0.250 (1/4)	0.375	0.250	2.50	0.125	0.188	6	S97-019-45	\$58.29	\$64.30
0.250 (1/4)	0.750	0.250	2.50	0.125	0.188	6	S97-020-45	\$71.32	\$77.32
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.063	6	S97-021-45	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.063	6	S97-022-45	\$102.38	\$110.16
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.094	6	S97-041-45	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.094	6	S97-042-45	\$102.38	\$110.16
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.125	6	S97-023-45	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.125	6	S97-024-45	\$102.38	\$110.16
0.3125 (5/16)	0.500	0.3125	3.00	0.156	0.188	6	S97-025-45	\$86.20	\$93.98
0.3125 (5/16)	1.000	0.3125	3.00	0.156	0.188	6	S97-026-45	\$102.38	\$110.16
0.375 (3/8)	0.563	0.375	3.00	0.188	0.063	8	S97-027-45	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.063	8	S97-028-45	\$114.53	\$122.30
0.375 (3/8)	0.563	0.375	3.00	0.188	0.094	8	S97-043-45	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.094	8	S97-044-45	\$114.53	\$122.30
0.375 (3/8)	0.563	0.375	3.00	0.188	0.125	8	S97-029-45	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.125	8	S97-030-45	\$114.53	\$122.30
0.375 (3/8)	0.563	0.375	3.00	0.188	0.250	8	S97-031-45	\$97.19	\$104.98
0.375 (3/8)	1.125	0.375	3.00	0.188	0.250	8	S97-032-45	\$114.53	\$122.30
0.500 (1/2)	0.750	0.500	4.00	0.250	0.094	8	S97-033-45	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.094	8	S97-034-45	\$124.42	\$135.20
0.500 (1/2)	0.750	0.500	4.00	0.250	0.125	8	S97-035-45	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.125	8	S97-036-45	\$124.42	\$135.20
0.500 (1/2)	0.750	0.500	4.00	0.250	0.250	8	S97-037-45	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.250	8	S97-038-45	\$124.42	\$135.20
0.500 (1/2)	0.750	0.500	4.00	0.250	0.375	8	S97-039-45	\$110.08	\$120.87
0.500 (1/2)	1.500	0.500	4.00	0.250	0.375	8	S97-040-45	\$124.42	\$135.20

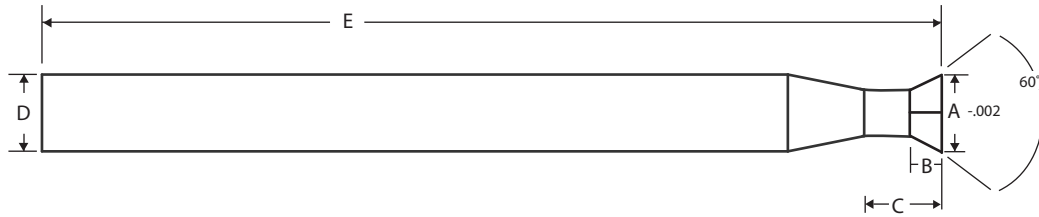


S214

60° Dovetail Cutters

FLUTES
4

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	# of Flutes	60° Tool #	Price	AlTiN Coated Price
A	B	C	D	E				
0.0625 (1/16)	0.028	0.094	0.125	1.50	4	S214-0625-DOVE	\$75.16	\$77.68
0.125 (1/8)	0.055	0.188	0.125	1.50	4	S214-125-DOVE	\$71.57	\$74.09
0.1875 (3/16)	0.083	0.281	0.1875	2.00	4	S214-1875-DOVE	\$75.16	\$80.70
0.250 (1/4)	0.110	0.375	0.250	2.00	4	S214-250-DOVE	\$93.12	\$98.66
0.3125 (5/16)	0.137	0.469	0.3125	2.50	4	S214-3125-DOVE	\$100.93	\$108.11
0.375 (3/8)	0.164	0.563	0.375	2.50	4	S214-375-DOVE	\$104.83	\$112.02
0.500 (1/2)	0.219	0.750	0.500	3.00	4	S214-500-DOVE	\$145.34	\$155.29



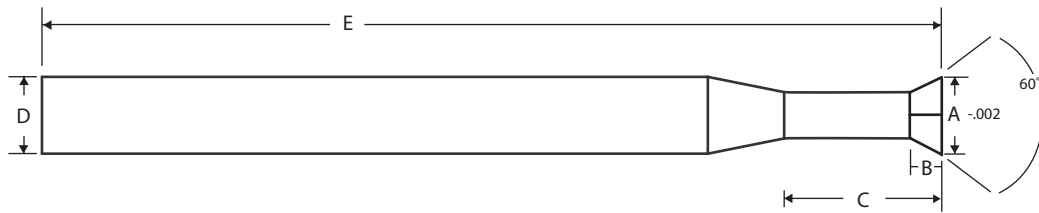
S215

60° Dovetail Cutters

FLUTES
4

3X
REACH

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	# of Flutes	60° Tool #	Price	AlTiN Coated Price
A	B	C	D	E				
0.0625 (1/16)	0.028	0.188	0.125	1.50	4	S215-0625-DOVE3XR	\$81.46	\$83.98
0.125 (1/8)	0.055	0.375	0.125	1.50	4	S215-125-DOVE3XR	\$77.87	\$80.39
0.1875 (3/16)	0.083	0.563	0.1875	2.00	4	S215-1875-DOVE3XR	\$82.72	\$88.26
0.250 (1/4)	0.110	0.750	0.250	2.00	4	S215-250-DOVE3XR	\$100.68	\$106.22
0.3125 (5/16)	0.137	0.938	0.3125	2.50	4	S215-3125-DOVE3XR	\$111.01	\$118.19
0.375 (3/8)	0.164	1.125	0.375	2.50	4	S215-375-DOVE3XR	\$114.91	\$122.10
0.500 (1/2)	0.219	1.500	0.500	3.00	4	S215-500-DOVE3XR	\$157.94	\$167.89

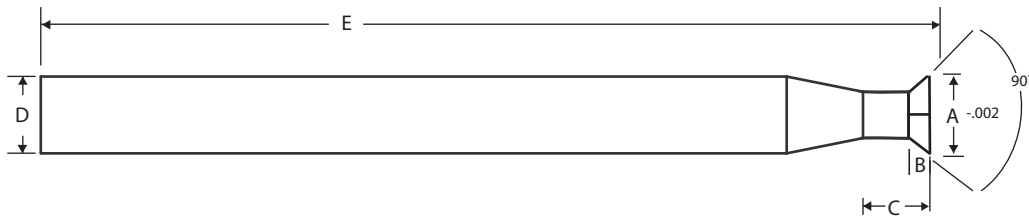


90° Dovetail Cutters

S216

FLUTES
4

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	# of Flutes	90° Tool #	Price	AlTiN Coated Price
A	B	C	D	E				
0.0625 (1/16)	0.017	0.094	0.125	1.50	4	S216-0625-DOVE	\$75.16	\$77.68
0.125 (1/8)	0.032	0.188	0.125	1.50	4	S216-125-DOVE	\$71.57	\$74.09
0.1875 (3/16)	0.049	0.281	0.1875	2.00	4	S216-1875-DOVE	\$75.16	\$80.70
0.250 (1/4)	0.065	0.375	0.250	2.00	4	S216-250-DOVE	\$93.12	\$98.66
0.3125 (5/16)	0.080	0.469	0.3125	2.50	4	S216-3125-DOVE	\$100.93	\$108.11
0.375 (3/8)	0.096	0.563	0.375	2.50	4	S216-375-DOVE	\$104.83	\$112.02
0.500 (1/2)	0.127	0.750	0.500	3.00	4	S216-500-DOVE	\$145.34	\$155.29



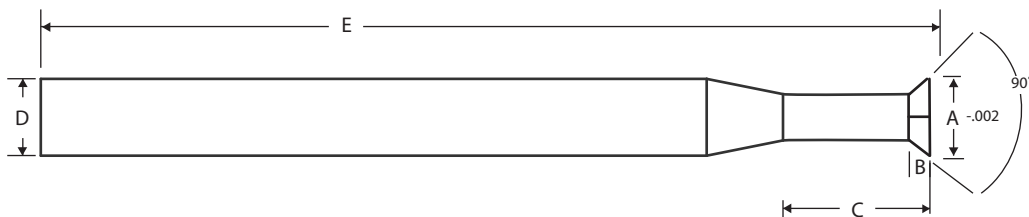
90° Dovetail Cutters

S217

FLUTES
4

3X
REACH

Cutter Diameter	Length of Cut	Overall Reach	Shank Diameter	Overall Length	# of Flutes	90° Tool #	Price	AlTiN Coated Price
A	B	C	D	E				
0.0625 (1/16)	0.017	0.188	0.125	1.50	4	S217-0625-DOVE3XR	\$81.46	\$83.98
0.125 (1/8)	0.032	0.375	0.125	1.50	4	S217-125-DOVE3XR	\$77.87	\$80.39
0.1875 (3/16)	0.049	0.563	0.1875	2.00	4	S217-1875-DOVE3XR	\$82.72	\$88.26
0.250 (1/4)	0.065	0.750	0.250	2.00	4	S217-250-DOVE3XR	\$100.68	\$106.22
0.3125 (5/16)	0.080	0.938	0.3125	2.50	4	S217-3125-DOVE3XR	\$111.01	\$118.19
0.375 (3/8)	0.096	1.125	0.375	2.50	4	S217-375-DOVE3XR	\$114.91	\$122.10
0.500 (1/2)	0.127	1.500	0.500	3.00	4	S217-500-DOVE3XR	\$157.94	\$167.89



S102

30° Chamfer Cutters

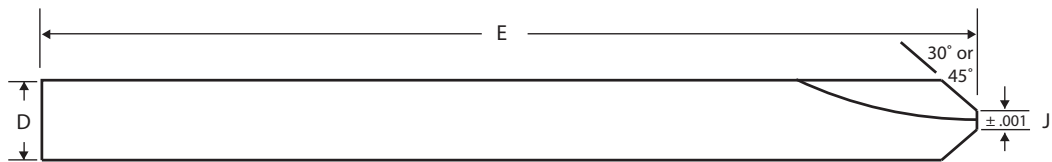
FLUTES
2,3,4

QUICK TURN
SPECIALS

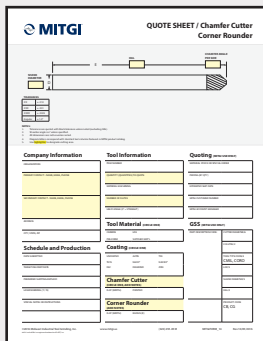
Cutter Diameter	Shank Diameter	Overall Length	Tip Diameter	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
	D	E	J					
0.125 (1/8)	0.125	1.50	0.010	S102-001-60	S102-002-60	S102-003-60	\$20.91	\$23.22
0.125 (1/8)	0.125	1.50	0.040	S102-004-60	S102-005-60	S102-006-60	\$20.91	\$23.22
0.1875 (3/16)	0.1875	2.00	0.010	S102-007-60	S102-008-60	S102-009-60	\$27.20	\$32.29
0.1875 (3/16)	0.1875	2.00	0.050	S102-010-60	S102-011-60	S102-012-60	\$27.20	\$32.29
0.250 (1/4)	0.250	2.50	0.010	S102-013-60	S102-014-60	S102-015-60	\$32.80	\$37.88
0.250 (1/4)	0.250	2.50	0.060	S102-016-60	S102-017-60	S102-018-60	\$32.80	\$37.88
0.3125 (5/16)	0.3125	2.50	0.010	S102-019-60	S102-020-60	S102-021-60	\$38.40	\$44.99
0.3125 (5/16)	0.3125	2.50	0.060	S102-022-60	S102-023-60	S102-024-60	\$38.40	\$44.99
0.375 (3/8)	0.375	2.50	0.010	S102-025-60	S102-026-60	S102-027-60	\$46.43	\$53.02
0.375 (3/8)	0.375	2.50	0.060	S102-028-60	S102-029-60	S102-030-60	\$46.43	\$53.02

45° Chamfer Cutters

Cutter Diameter	Shank Diameter	Overall Length	Tip Diameter	2 Flute Tool #	3 Flute Tool #	4 Flute Tool #	Price	AlTiN Coated Price
	D	E	J					
0.125 (1/8)	0.125	1.50	0.010	S102-001-45	S102-002-45	S102-003-45	\$20.91	\$23.22
0.125 (1/8)	0.125	1.50	0.040	S102-004-45	S102-005-45	S102-006-45	\$20.91	\$23.22
0.1875 (3/16)	0.1875	2.00	0.010	S102-007-45	S102-008-45	S102-009-45	\$27.20	\$32.29
0.1875 (3/16)	0.1875	2.00	0.050	S102-010-45	S102-011-45	S102-012-45	\$27.20	\$32.29
0.250 (1/4)	0.250	2.50	0.010	S102-013-45	S102-014-45	S102-015-45	\$32.80	\$37.88
0.250 (1/4)	0.250	2.50	0.060	S102-016-45	S102-017-45	S102-018-45	\$32.80	\$37.88
0.3125 (5/16)	0.3125	2.50	0.010	S102-019-45	S102-020-45	S102-021-45	\$38.40	\$44.99
0.3125 (5/16)	0.3125	2.50	0.060	S102-022-45	S102-023-45	S102-024-45	\$38.40	\$44.99
0.375 (3/8)	0.375	2.50	0.010	S102-025-45	S102-026-45	S102-027-45	\$46.43	\$53.02
0.375 (3/8)	0.375	2.50	0.060	S102-028-45	S102-029-45	S102-030-45	\$46.43	\$53.02



Custom Chamfer Cutters, Corner Rounders



Can't find a tool to meet your exact specifications? Specials or modified standards may be the answer.

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances and number of flutes vary by design
- End finishes: chamfer cutter, corner rounder
- Coated and uncoated
- Specials usually available in two weeks or less

Quote forms available on our website and upon request.
Contact us for an estimate today.

7° Deburring Knives, HSS

S04

Size	Tool #	Qty: 1-49	Qty: 50-599	Qty: 600+	Box / Qty: 50
1mm x 1-1/4	S04-003	\$7.11	\$5.97	\$5.69	\$298.50
1/16 x 1-1/4	S04-007	\$6.82	\$5.69	\$5.39	\$284.50
3/32 x 1-1/4	S04-011	\$6.82	\$5.69	\$5.39	\$284.50
1/8 x 1-1/4	S04-005	\$6.82	\$5.69	\$5.39	\$284.50

7° Deburring Knives, Carbide

Size	Tool #	Qty: 1-49	Qty: 50-599	Qty: 600+	Box / Qty: 50
1mm x 1-1/2	S04-020	\$8.37	\$6.70	\$6.36	\$335.00
1/16 x 1-1/2	S04-013	\$7.82	\$6.25	\$5.97	\$312.50
3/32 x 1-1/2	S04-015	\$7.82	\$6.25	\$5.97	\$312.50
1/8 x 1-1/2	S04-017	\$7.82	\$6.25	\$5.97	\$312.50

10° Deburring Knives, HSS

Size	Tool #	Qty: 1-49	Qty: 50-599	Qty: 600+	Box / Qty: 50
1mm x 1-1/4	S04-002	\$7.11	\$5.97	\$5.69	\$298.50
1/16 x 1-1/4	S04-006	\$6.82	\$5.69	\$5.39	\$284.50
3/32 x 1-1/4	S04-012	\$6.82	\$5.69	\$5.39	\$284.50
1/8 x 1-1/4	S04-004	\$6.82	\$5.69	\$5.39	\$284.50

10° Deburring Knives, Carbide

Size	Tool #	Qty: 1-49	Qty: 50-599	Qty: 600+	Box / Qty: 50
1mm x 1-1/2	S04-019	\$8.37	\$6.70	\$6.36	\$335.00
1/16 x 1-1/2	S04-014	\$7.82	\$6.25	\$5.97	\$312.50
3/32 x 1-1/2	S04-016	\$7.82	\$6.25	\$5.97	\$312.50
1/8 x 1-1/2	S04-018	\$7.82	\$6.25	\$5.97	\$312.50



SPECIALS

P.206

MITGI specializes in custom micro tools that are needed quickly or are difficult to find. See pages 206-207 for more info regarding custom tool capabilities, estimated production times, and information about how to place an order.



S101
30° Engraving Cutters

Shank Diameter	Overall Length	Tip	Split Length	Tool #	Price	AlTiN Coated Price
D	E		K			
0.125 (1/8)	1.50	Point	0.375	S101-001-30	\$16.41	\$19.04
0.125 (1/8)	1.50	Radius - 0.005	0.375	S101-002-30	\$23.76	\$26.39
0.125 (1/8)	1.50	Radius - 0.010	0.375	S101-003-30	\$23.76	\$26.39
0.125 (1/8)	1.50	Flat - 0.005	0.375	S101-004-30	\$18.38	\$21.00
0.125 (1/8)	1.50	Flat - 0.010	0.375	S101-005-30	\$18.38	\$21.00
0.1875 (3/16)	2.00	Point	0.375	S101-006-30	\$19.69	\$25.46
0.1875 (3/16)	2.00	Radius - 0.005	0.375	S101-007-30	\$28.41	\$34.19
0.1875 (3/16)	2.00	Radius - 0.010	0.375	S101-008-30	\$28.41	\$34.19
0.1875 (3/16)	2.00	Flat - 0.005	0.375	S101-009-30	\$23.69	\$29.46
0.1875 (3/16)	2.00	Flat - 0.010	0.375	S101-010-30	\$23.69	\$29.46
0.250 (1/4)	2.50	Point	0.500	S101-011-30	\$25.08	\$30.85
0.250 (1/4)	2.50	Radius - 0.005	0.500	S101-012-30	\$31.38	\$37.15
0.250 (1/4)	2.50	Radius - 0.010	0.500	S101-013-30	\$31.38	\$37.15
0.250 (1/4)	2.50	Flat - 0.005	0.500	S101-014-30	\$26.51	\$32.29
0.250 (1/4)	2.50	Flat - 0.010	0.500	S101-015-30	\$26.51	\$32.29

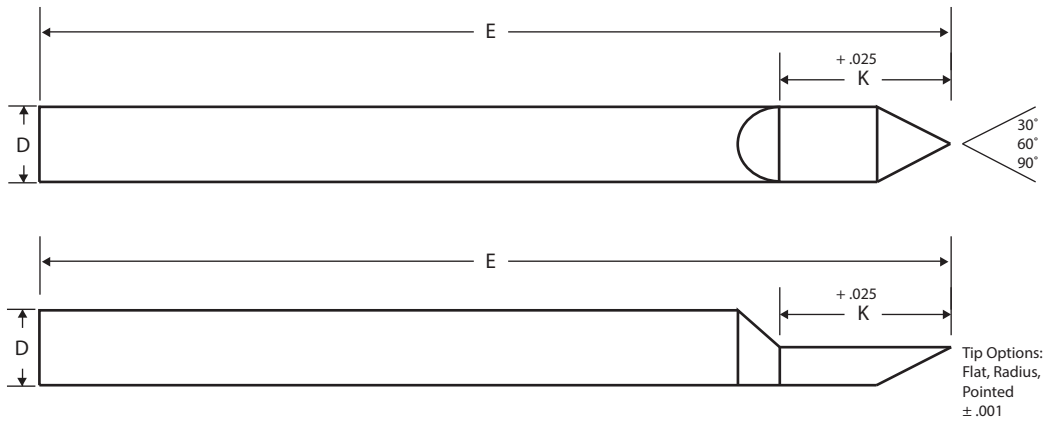
60° Engraving Cutters

Shank Diameter	Overall Length	Tip	Split Length	Tool #	Price	AlTiN Coated Price
D	E		K			
0.125 (1/8)	1.50	Point	0.375	S101-001-60	\$16.41	\$19.04
0.125 (1/8)	1.50	Radius - 0.005	0.375	S101-002-60	\$23.76	\$26.39
0.125 (1/8)	1.50	Radius - 0.010	0.375	S101-003-60	\$23.76	\$26.39
0.125 (1/8)	1.50	Flat - 0.005	0.375	S101-004-60	\$18.38	\$21.00
0.125 (1/8)	1.50	Flat - 0.010	0.375	S101-005-60	\$18.38	\$21.00
0.1875 (3/16)	2.00	Point	0.375	S101-006-60	\$19.69	\$25.46
0.1875 (3/16)	2.00	Radius - 0.005	0.375	S101-007-60	\$28.41	\$34.19
0.1875 (3/16)	2.00	Radius - 0.010	0.375	S101-008-60	\$28.41	\$34.19
0.1875 (3/16)	2.00	Flat - 0.005	0.375	S101-009-60	\$23.69	\$29.46
0.1875 (3/16)	2.00	Flat - 0.010	0.375	S101-010-60	\$23.69	\$29.46
0.250 (1/4)	2.50	Point	0.500	S101-011-60	\$25.08	\$30.85
0.250 (1/4)	2.50	Radius - 0.005	0.500	S101-012-60	\$31.38	\$37.15
0.250 (1/4)	2.50	Radius - 0.010	0.500	S101-013-60	\$31.38	\$37.15
0.250 (1/4)	2.50	Flat - 0.005	0.500	S101-014-60	\$26.51	\$32.29
0.250 (1/4)	2.50	Flat - 0.010	0.500	S101-015-60	\$26.51	\$32.29

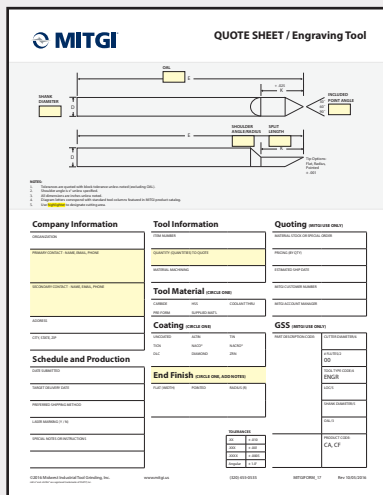
MITGI INSIDE ACCOUNT REPRESENTATIVES
P. 2

MITGI Inside Account Representatives are the right resources for quote requests, to place orders, check inventory, or provide tracking. See page 2 for more info.

Shank Diameter	Overall Length	Tip	Split Length	Tool #	Price	AITIN Coated Price
D	E		K			
0.125 (1/8)	1.50	Point	0.375	S101-001-90	\$16.41	\$19.04
0.125 (1/8)	1.50	Radius - 0.005	0.375	S101-002-90	\$23.76	\$26.39
0.125 (1/8)	1.50	Radius - 0.010	0.375	S101-003-90	\$23.76	\$26.39
0.125 (1/8)	1.50	Flat - 0.005	0.375	S101-004-90	\$18.38	\$21.00
0.125 (1/8)	1.50	Flat - 0.010	0.375	S101-005-90	\$18.38	\$21.00
0.1875 (3/16)	2.00	Point	0.375	S101-006-90	\$19.69	\$25.46
0.1875 (3/16)	2.00	Radius - 0.005	0.375	S101-007-90	\$28.41	\$34.19
0.1875 (3/16)	2.00	Radius - 0.010	0.375	S101-008-90	\$28.41	\$34.19
0.1875 (3/16)	2.00	Flat - 0.005	0.375	S101-009-90	\$23.69	\$29.46
0.1875 (3/16)	2.00	Flat - 0.010	0.375	S101-010-90	\$23.69	\$29.46
0.250 (1/4)	2.50	Point	0.500	S101-011-90	\$25.08	\$30.85
0.250 (1/4)	2.50	Radius - 0.005	0.500	S101-012-90	\$31.38	\$37.15
0.250 (1/4)	2.50	Radius - 0.010	0.500	S101-013-90	\$31.38	\$37.15
0.250 (1/4)	2.50	Flat - 0.005	0.500	S101-014-90	\$26.51	\$32.29
0.250 (1/4)	2.50	Flat - 0.010	0.500	S101-015-90	\$26.51	\$32.29



Custom Engraving Tools



MITGI QUOTE SHEET / Engraving Tool

Company Information

Tool Information

Quoting

Schedule and Production

End Finish

Tool Material

Coating

GSS

**Can't find a tool to meet your exact specifications?
Specials or modified standards may be the answer.**

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances vary by design
- End finishes: flat, pointed, radius
- Specs: shoulder angle/radius, split length, included point angle
- Specials usually available in two weeks or less

Quote forms available on our website and upon request.
Contact us for an estimate today.



S235

Square Upcut Plastic Cutters

FLUTE
1

3X
LENGTH
OF CUT

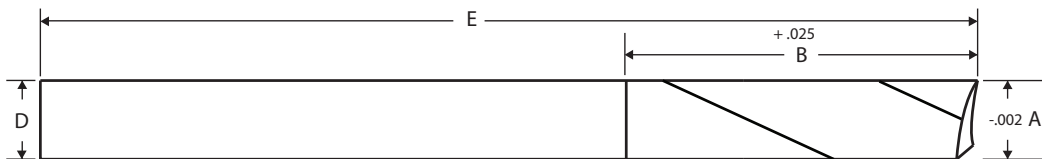
+

SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Upcut 1 Flute Tool #	Price
A	B	D	E		
0.031 (1/32)	0.093	0.125	1.50	S235-031-1-SQUP3X	\$40.57
0.035	0.105	0.125	1.50	S235-035-1-SQUP3X	\$40.57
0.039 (1mm)	0.117	0.125	1.50	S235-039-1-SQUP3X	\$40.57
0.040	0.120	0.125	1.50	S235-040-1-SQUP3X	\$40.57
0.045	0.135	0.125	1.50	S235-045-1-SQUP3X	\$40.57
0.047 (3/64)	0.141	0.125	1.50	S235-047-1-SQUP3X	\$34.66
0.050	0.150	0.125	1.50	S235-050-1-SQUP3X	\$34.66
0.055	0.165	0.125	1.50	S235-055-1-SQUP3X	\$34.66
0.060	0.180	0.125	1.50	S235-060-1-SQUP3X	\$34.66
0.062 (1/16)	0.187	0.125	1.50	S235-062-1-SQUP3X	\$32.51
0.065	0.195	0.125	1.50	S235-065-1-SQUP3X	\$32.51
0.070	0.210	0.125	1.50	S235-070-1-SQUP3X	\$32.51
0.075	0.225	0.125	1.50	S235-075-1-SQUP3X	\$32.51
0.078 (5/64)	0.234	0.125	1.50	S235-078-1-SQUP3X	\$32.51
0.080	0.240	0.125	1.50	S235-080-1-SQUP3X	\$32.51
0.085	0.255	0.125	1.50	S235-085-1-SQUP3X	\$32.51
0.090	0.270	0.125	1.50	S235-090-1-SQUP3X	\$32.51
0.093 (3/32)	0.279	0.125	1.50	S235-093-1-SQUP3X	\$32.51
0.095	0.285	0.125	1.50	S235-095-1-SQUP3X	\$32.51
0.100	0.300	0.125	1.50	S235-100-1-SQUP3X	\$32.51
0.118 (3mm)	0.354	0.125	1.50	S235-118-1-SQUP3X	\$32.51
0.125 (1/8)*	0.375	0.125	1.50	S235-125-1-SQUP3X	\$32.51
0.1875 (3/16)*	0.563	0.1875	3.00	S235-188-1-SQUP3X	\$40.57
0.250 (1/4)*	0.750	0.250	3.00	S235-250-1-SQUP3X	\$46.75
0.3125 (5/16)*	0.938	0.3125	3.00	S235-313-1-SQUP3X	\$55.69
0.375 (3/8)*	1.125	0.375	4.00	S235-375-1-SQUP3X	\$91.54



NOTE:

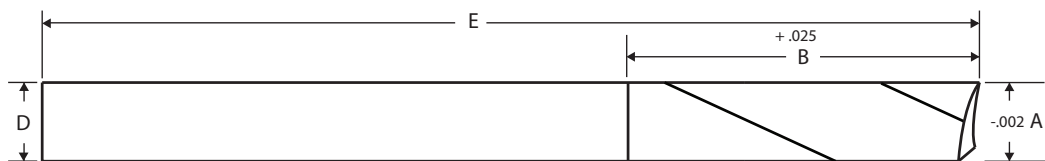
* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter

Square Upcut Plastic Cutters

S295

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Upcut 1 Flute Tool #	Price
A	B	D	E		
0.031 (1/32)	0.124	0.125	2.00	S295-031-1-SQUP4X	\$42.47
0.035	0.140	0.125	2.00	S295-035-1-SQUP4X	\$42.47
0.039 (1mm)	0.156	0.125	2.00	S295-039-1-SQUP4X	\$42.47
0.040	0.160	0.125	2.00	S295-040-1-SQUP4X	\$42.47
0.045	0.180	0.125	2.00	S295-045-1-SQUP4X	\$42.47
0.047 (3/64)	0.188	0.125	2.00	S295-047-1-SQUP4X	\$36.55
0.050	0.200	0.125	2.00	S295-050-1-SQUP4X	\$36.55
0.055	0.220	0.125	2.00	S295-055-1-SQUP4X	\$36.55
0.060	0.240	0.125	2.00	S295-060-1-SQUP4X	\$36.55
0.062 (1/16)	0.248	0.125	2.00	S295-062-1-SQUP4X	\$34.40
0.065	0.260	0.125	2.00	S295-065-1-SQUP4X	\$34.40
0.070	0.280	0.125	2.00	S295-070-1-SQUP4X	\$34.40
0.075	0.300	0.125	2.00	S295-075-1-SQUP4X	\$34.40
0.078 (5/64)	0.312	0.125	2.00	S295-078-1-SQUP4X	\$34.40
0.080	0.320	0.125	2.00	S295-080-1-SQUP4X	\$34.40
0.085	0.340	0.125	2.00	S295-085-1-SQUP4X	\$34.40
0.090	0.360	0.125	2.00	S295-090-1-SQUP4X	\$34.40
0.093 (3/32)	0.372	0.125	2.00	S295-093-1-SQUP4X	\$34.40
0.095	0.380	0.125	2.00	S295-095-1-SQUP4X	\$34.40
0.100	0.400	0.125	2.00	S295-100-1-SQUP4X	\$34.40
0.118 (3mm)	0.472	0.125	2.00	S295-118-1-SQUP4X	\$34.40
0.125 (1/8)*	0.500	0.125	2.00	S295-125-1-SQUP4X	\$34.40
0.1875 (3/16)*	0.750	0.1875	3.00	S295-188-1-SQUP4X	\$44.29
0.250 (1/4)*	1.000	0.250	3.00	S295-250-1-SQUP4X	\$49.97
0.3125 (5/16)*	1.250	0.3125	4.00	S295-313-1-SQUP4X	\$57.18
0.375 (3/8)*	1.500	0.375	4.00	S295-375-1-SQUP4X	\$94.69

**FLUTE
1**
**4X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

NOTE:

* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter



S236

Square Upcut Plastic Cutters

FLUTE
1

5X
LENGTH
OF CUT

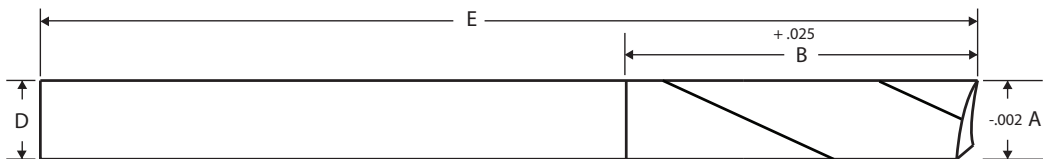
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SWISS-TYPE
OAL

Q

QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Upcut 1 Flute Tool #	Price
A	B	D	E		
0.031 (1/32)	0.155	0.125	2.50	S236-031-1-SQUP5X	\$44.35
0.035	0.175	0.125	2.50	S236-035-1-SQUP5X	\$44.35
0.039 (1mm)	0.195	0.125	2.50	S236-039-1-SQUP5X	\$44.35
0.040	0.200	0.125	2.50	S236-040-1-SQUP5X	\$44.35
0.045	0.225	0.125	2.50	S236-045-1-SQUP5X	\$44.35
0.047 (3/64)	0.235	0.125	2.50	S236-047-1-SQUP5X	\$38.44
0.050	0.250	0.125	2.50	S236-050-1-SQUP5X	\$38.44
0.055	0.275	0.125	2.50	S236-055-1-SQUP5X	\$38.44
0.060	0.300	0.125	2.50	S236-060-1-SQUP5X	\$38.44
0.062 (1/16)	0.310	0.125	2.50	S236-062-1-SQUP5X	\$36.29
0.065	0.325	0.125	2.50	S236-065-1-SQUP5X	\$36.29
0.070	0.350	0.125	2.50	S236-070-1-SQUP5X	\$36.29
0.075	0.375	0.125	2.50	S236-075-1-SQUP5X	\$36.29
0.078 (5/64)	0.390	0.125	2.50	S236-078-1-SQUP5X	\$36.29
0.080	0.400	0.125	2.50	S236-080-1-SQUP5X	\$36.29
0.085	0.425	0.125	2.50	S236-085-1-SQUP5X	\$36.29
0.090	0.450	0.125	2.50	S236-090-1-SQUP5X	\$36.29
0.093 (3/32)	0.465	0.125	2.50	S236-093-1-SQUP5X	\$36.29
0.095	0.475	0.125	2.50	S236-095-1-SQUP5X	\$36.29
0.100	0.500	0.125	2.50	S236-100-1-SQUP5X	\$36.29
0.118 (3mm)	0.590	0.125	2.50	S236-118-1-SQUP5X	\$36.29
0.125 (1/8)*	0.625	0.125	2.50	S236-125-1-SQUP5X	\$36.29
0.1875 (3/16)*	0.938	0.1875	3.00	S236-188-1-SQUP5X	\$48.01
0.250 (1/4)*	1.250	0.250	4.00	S236-250-1-SQUP5X	\$53.17
0.3125 (5/16)*	1.563	0.3125	4.00	S236-313-1-SQUP5X	\$58.66
0.375 (3/8)*	1.875	0.375	4.00	S236-375-1-SQUP5X	\$97.84



NOTE:

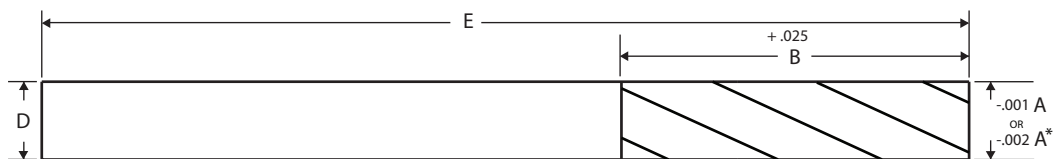
* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter

Square Upcut Plastic Cutters

S259
**FLUTES
2**
**3X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL


**QUICK TURN
SPECIALS**

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Upcut 2 Flute Tool #	Price
A	B	D	E		
0.031 (1/32)	0.093	0.125	1.50	S259-031-2-SQUP3X	\$37.80
0.035	0.105	0.125	1.50	S259-035-2-SQUP3X	\$37.80
0.039 (1mm)	0.117	0.125	1.50	S259-039-2-SQUP3X	\$37.80
0.040	0.120	0.125	1.50	S259-040-2-SQUP3X	\$37.80
0.045	0.135	0.125	1.50	S259-045-2-SQUP3X	\$37.80
0.047 (3/64)	0.141	0.125	1.50	S259-047-2-SQUP3X	\$32.06
0.050	0.150	0.125	1.50	S259-050-2-SQUP3X	\$32.06
0.055	0.165	0.125	1.50	S259-055-2-SQUP3X	\$32.06
0.060	0.180	0.125	1.50	S259-060-2-SQUP3X	\$32.06
0.062 (1/16)	0.187	0.125	1.50	S259-062-2-SQUP3X	\$29.93
0.065	0.195	0.125	1.50	S259-065-2-SQUP3X	\$29.93
0.070	0.210	0.125	1.50	S259-070-2-SQUP3X	\$29.93
0.075	0.225	0.125	1.50	S259-075-2-SQUP3X	\$29.93
0.078 (5/64)	0.234	0.125	1.50	S259-078-2-SQUP3X	\$29.93
0.080	0.240	0.125	1.50	S259-080-2-SQUP3X	\$29.93
0.085	0.255	0.125	1.50	S259-085-2-SQUP3X	\$29.93
0.090	0.270	0.125	1.50	S259-090-2-SQUP3X	\$29.93
0.093 (3/32)	0.279	0.125	1.50	S259-093-2-SQUP3X	\$29.93
0.095	0.285	0.125	1.50	S259-095-2-SQUP3X	\$29.93
0.100	0.300	0.125	1.50	S259-100-2-SQUP3X	\$29.93
0.118 (3mm)	0.354	0.125	1.50	S259-118-2-SQUP3X	\$29.93
0.125 (1/8)*	0.375	0.125	1.50	S259-125-2-SQUP3X	\$29.93
0.1875 (3/16)*	0.563	0.1875	3.00	S259-188-2-SQUP3X	\$38.11
0.250 (1/4)*	0.750	0.250	3.00	S259-250-2-SQUP3X	\$44.16
0.3125 (5/16)*	0.938	0.3125	3.00	S259-313-2-SQUP3X	\$53.05
0.375 (3/8)*	1.125	0.375	4.00	S259-375-2-SQUP3X	\$88.84



NOTE:

* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter



S260

Square Upcut Plastic Cutters

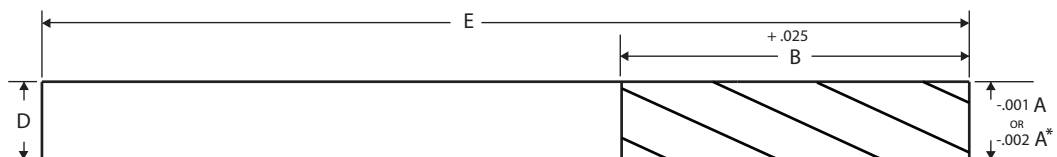
FLUTES
2

5X
LENGTH
OF CUT

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	Upcut 2 Flute Tool #	Price
A	B	D	E		
0.031 (1/32)	0.155	0.125	2.50	S260-031-2-SQUP5X	\$43.03
0.035	0.175	0.125	2.50	S260-035-2-SQUP5X	\$43.03
0.039 (1mm)	0.195	0.125	2.50	S260-039-2-SQUP5X	\$43.03
0.040	0.200	0.125	2.50	S260-040-2-SQUP5X	\$43.03
0.045	0.225	0.125	2.50	S260-045-2-SQUP5X	\$43.03
0.047 (3/64)	0.235	0.125	2.50	S260-047-2-SQUP5X	\$37.24
0.050	0.250	0.125	2.50	S260-050-2-SQUP5X	\$37.24
0.055	0.275	0.125	2.50	S260-055-2-SQUP5X	\$37.24
0.060	0.300	0.125	2.50	S260-060-2-SQUP5X	\$37.24
0.062 (1/16)	0.310	0.125	2.50	S260-062-2-SQUP5X	\$35.03
0.065	0.325	0.125	2.50	S260-065-2-SQUP5X	\$35.03
0.070	0.350	0.125	2.50	S260-070-2-SQUP5X	\$35.03
0.075	0.375	0.125	2.50	S260-075-2-SQUP5X	\$35.03
0.078 (5/64)	0.390	0.125	2.50	S260-078-2-SQUP5X	\$35.03
0.080	0.400	0.125	2.50	S260-080-2-SQUP5X	\$35.03
0.085	0.425	0.125	2.50	S260-085-2-SQUP5X	\$35.03
0.090	0.450	0.125	2.50	S260-090-2-SQUP5X	\$35.03
0.093 (3/32)	0.465	0.125	2.50	S260-093-2-SQUP5X	\$35.03
0.095	0.475	0.125	2.50	S260-095-2-SQUP5X	\$35.03
0.100	0.500	0.125	2.50	S260-100-2-SQUP5X	\$35.03
0.118 (3mm)	0.590	0.125	2.50	S260-118-2-SQUP5X	\$35.03
0.125 (1/8)*	0.625	0.125	2.50	S260-125-2-SQUP5X	\$35.03
0.1875 (3/16)*	0.938	0.1875	3.00	S260-188-2-SQUP5X	\$43.54
0.250 (1/4)*	1.250	0.250	3.00	S260-250-2-SQUP5X	\$49.33
0.3125 (5/16)*	1.563	0.3125	4.00	S260-313-2-SQUP5X	\$58.60
0.375 (3/8)*	1.875	0.375	4.00	S260-375-2-SQUP5X	\$93.74



NOTE:

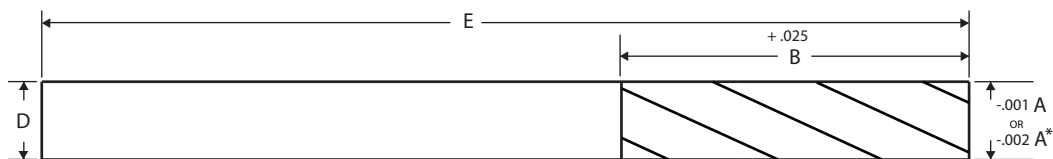
* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter

Square Upcut Plastic Cutters

S261
**FLUTES
2**
**8X
LENGTH
OF CUT**
+
SWISS-TYPE
OAL


QUICK TURN
SPECIALS

Cutter Diameter A	Length of Cut B	Shank Diameter D	Overall Length E	Upcut 2 Flute Tool #	Price
0.031 (1/32)	0.248	0.125	2.50	S261-031-2-SQUP8X	\$55.82
0.035	0.280	0.125	2.50	S261-035-2-SQUP8X	\$55.82
0.039 (1mm)	0.312	0.125	2.50	S261-039-2-SQUP8X	\$55.82
0.040	0.320	0.125	2.50	S261-040-2-SQUP8X	\$55.82
0.045	0.360	0.125	2.50	S261-045-2-SQUP8X	\$55.82
0.047 (3/64)	0.376	0.125	2.50	S261-047-2-SQUP8X	\$48.13
0.050	0.400	0.125	2.50	S261-050-2-SQUP8X	\$48.13
0.055	0.440	0.125	2.50	S261-055-2-SQUP8X	\$48.13
0.060	0.480	0.125	2.50	S261-060-2-SQUP8X	\$48.13
0.062 (1/16)	0.496	0.125	2.50	S261-062-2-SQUP8X	\$45.42
0.065	0.520	0.125	2.50	S261-065-2-SQUP8X	\$45.42
0.070	0.560	0.125	2.50	S261-070-2-SQUP8X	\$45.42
0.075	0.600	0.125	2.50	S261-075-2-SQUP8X	\$45.42
0.078 (5/64)	0.624	0.125	2.50	S261-078-2-SQUP8X	\$45.42
0.080	0.640	0.125	2.50	S261-080-2-SQUP8X	\$45.42
0.085	0.680	0.125	2.50	S261-085-2-SQUP8X	\$45.42
0.090	0.720	0.125	2.50	S261-090-2-SQUP8X	\$45.42
0.093 (3/32)	0.744	0.125	2.50	S261-093-2-SQUP8X	\$45.42
0.095	0.760	0.125	2.50	S261-095-2-SQUP8X	\$45.42
0.100	0.800	0.125	2.50	S261-100-2-SQUP8X	\$45.42
0.118 (3mm)	0.944	0.125	2.50	S261-118-2-SQUP8X	\$45.42
0.125 (1/8)*	1.000	0.125	2.50	S261-125-2-SQUP8X	\$45.42
0.1875 (3/16)*	1.500	0.1875	3.00	S261-188-2-SQUP8X	\$53.87
0.250 (1/4)*	2.000	0.250	4.00	S261-250-2-SQUP8X	\$71.63
0.3125 (5/16)*	2.500	0.3125	4.00	S261-313-2-SQUP8X	\$90.91
0.375 (3/8)*	3.000	0.375	5.00	S261-375-2-SQUP8X	\$112.02



NOTE:

* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter



S276

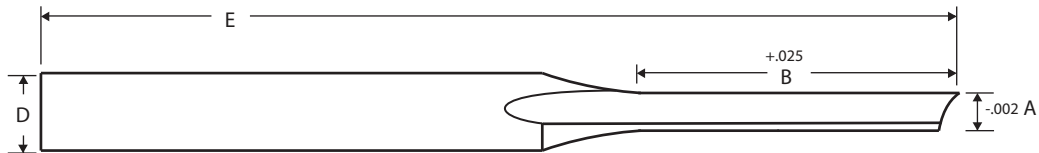
Square Straight Flute Plastic Cutters

**FLUTE
1**

+
SWISS-TYPE
OAL

Q
QUICK TURN
SPECIALS

Cutter Diameter	Length of Cut	Shank Diameter	Overall Length	1 Flute Tool #	Price
A	B	D	E		
0.125 (1/8)	0.375	0.125	2.00	S276-001-1-ROUT	\$34.97
0.125 (1/8)	0.375	0.250	2.00	S276-002-1-ROUT	\$38.81
0.125 (1/8)	0.500	0.125	2.00	S276-003-1-ROUT	\$34.97
0.125 (1/8)	0.500	0.250	2.00	S276-004-1-ROUT	\$38.81
0.125 (1/8)	0.750	0.125	2.50	S276-005-1-ROUT	\$37.99
0.125 (1/8)	0.750	0.250	2.50	S276-006-1-ROUT	\$44.60
0.1875 (3/16)	0.500	0.1875	2.00	S276-007-1-ROUT	\$40.07
0.1875 (3/16)	0.500	0.250	2.00	S276-008-1-ROUT	\$41.41
0.1875 (3/16)	0.750	0.1875	2.50	S276-009-1-ROUT	\$40.82
0.1875 (3/16)	0.750	0.250	2.50	S276-010-1-ROUT	\$43.44
0.1875 (3/16)	1.000	0.1875	3.00	S276-011-1-ROUT	\$43.60
0.1875 (3/16)	1.000	0.250	3.00	S276-012-1-ROUT	\$46.43
0.1875 (3/16)	1.250	0.1875	4.00	S276-013-1-ROUT	\$51.41
0.1875 (3/16)	1.250	0.250	4.00	S276-014-1-ROUT	\$57.65
0.250 (1/4)	0.500	0.250	2.50	S276-015-1-ROUT	\$42.90
0.250 (1/4)	0.750	0.250	2.50	S276-016-1-ROUT	\$45.24
0.250 (1/4)	1.000	0.250	3.00	S276-017-1-ROUT	\$51.16
0.250 (1/4)	1.250	0.250	4.00	S276-018-1-ROUT	\$58.66
0.375 (3/8)	0.750	0.375	2.50	S276-019-1-ROUT	\$78.96
0.375 (3/8)	1.000	0.375	3.00	S276-020-1-ROUT	\$83.10
0.375 (3/8)	1.250	0.375	4.00	S276-021-1-ROUT	\$88.56



NOTE:

* Cutter diameter is manufactured slightly undersized in order to accommodate using same-sized shank diameter



QUALITY TOOLS, FAST

Manufacturers face increasingly tight production schedules and cannot afford downtime. MITGI understands that short lead times and the ability to deliver tools on time are essential to keep lines running and efficient. Our teams keep both your lead times and tool specs in mind when quoting, manufacturing, and ensuring tools arrive when expected. MITGI delivers performance and timelines you can depend on.

BLANKET ORDERS

Blanket POs allow you to ensure that any tool can be available for same day shipment. With a blanket PO in place, tools are manufactured then stocked and ready to go when needed. Shipments for blanket orders can be scheduled for specific release dates or shipped upon request. We recommend utilizing blankets on tools used in long-running jobs and those with a stable estimated forecast. Blanket POs are also very useful for tools that have longer lead times due to complexity or special order material.

Contact MITGI or more information regarding stocking options and blanket orders.



SHORT LEAD TIMES

CUSTOM TOOLS

Most custom tools are available in two weeks or less, and some as quickly as three days. Contact MITGI to receive an estimate based on current production schedule.

STOCK TOOLS

Most standard tools are available in three days or less. Once standard tools have been ordered they are stocked and available for same day shipment on reorders.

EXPEDITED ORDERS

Our manufacturing facility is setup for flexibility and can produce standard or custom orders quickly and efficiently. Contact us for Quick Turn and expedited order options.

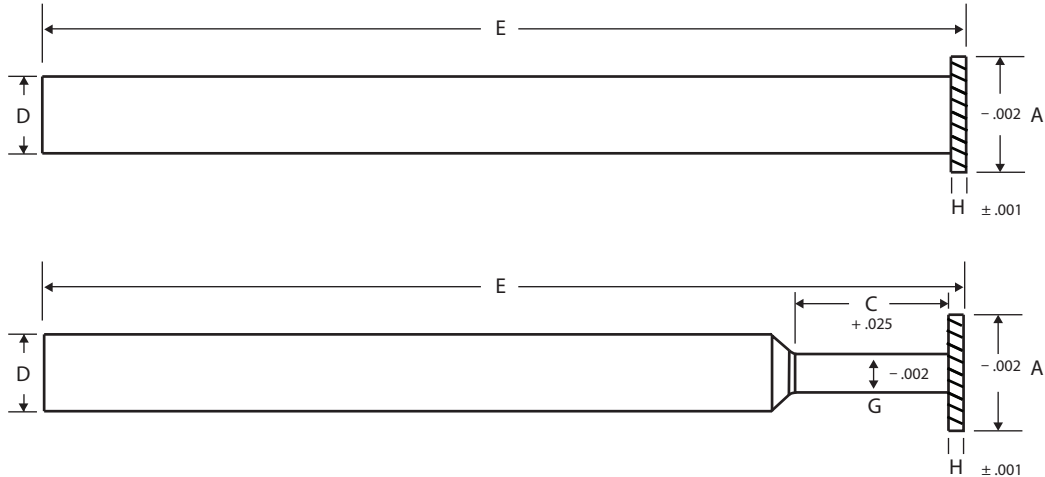
Expedited delivery is available on a case-by-case basis.



S114
3/8" Brazed Saws

ALL SAWS ARE AVAILABLE IN 3 WEEKS OR LESS (4 WEEKS COATED)

Cutter Diameter	Shank Diameter	Overall Length	Neck Diameter	Neck Length	Cutter Width	10 Teeth	14 Teeth	18 Teeth	Price
A	D	E	G	C	H				
0.375 (3/8)	0.250	3.00	N/A	N/A	0.030	S114-001-10	S114-001-14	S114-001-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.030	S114-002-10	S114-002-14	S114-002-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.035	S114-003-10	S114-003-14	S114-003-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.035	S114-004-10	S114-004-14	S114-004-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.040	S114-005-10	S114-005-14	S114-005-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.040	S114-006-10	S114-006-14	S114-006-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.045	S114-007-10	S114-007-14	S114-007-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.045	S114-008-10	S114-008-14	S114-008-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.050	S114-009-10	S114-009-14	S114-009-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.050	S114-010-10	S114-010-14	S114-010-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.055	S114-011-10	S114-011-14	S114-011-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.055	S114-012-10	S114-012-14	S114-012-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.060	S114-013-10	S114-013-14	S114-013-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.060	S114-014-10	S114-014-14	S114-014-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.065	S114-015-10	S114-015-14	S114-015-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.065	S114-016-10	S114-016-14	S114-016-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.070	S114-017-10	S114-017-14	S114-017-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.070	S114-018-10	S114-018-14	S114-018-18	\$155.79
0.375 (3/8)	0.250	3.00	N/A	N/A	0.075	S114-019-10	S114-019-14	S114-019-18	\$149.72
0.375 (3/8)	0.250	3.00	0.125	0.50	0.075	S114-020-10	S114-020-14	S114-020-18	\$155.79



All MITGI Brazed Saws are available in 3 weeks or less (4 weeks coated). Contact us to order standards or request a custom saw quote.

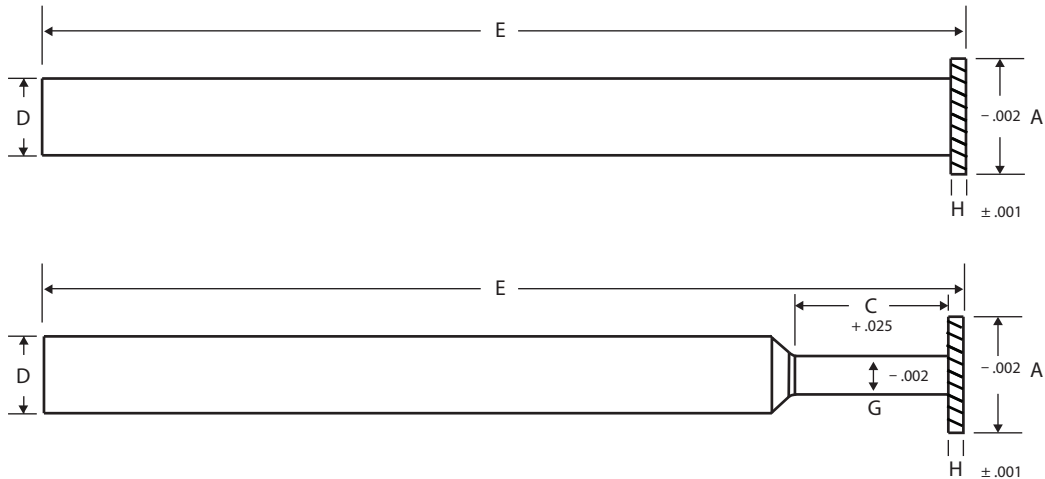


1/2" Brazed Saws

S115

ALL SAWS ARE AVAILABLE IN 3 WEEKS OR LESS (4 WEEKS COATED)

Cutter Diameter	Shank Diameter	Overall Length	Neck Diameter	Neck Length	Cutter Width	10 Teeth	16 Teeth	20 Teeth	Price
A	D	E	G	C	H				
0.500 (1/2)	0.250	3.00	N/A	N/A	0.030	S115-001-10	S115-001-16	S115-001-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.030	S115-002-10	S115-002-16	S115-002-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.035	S115-003-10	S115-003-16	S115-003-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.035	S115-004-10	S115-004-16	S115-004-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.040	S115-005-10	S115-005-16	S115-005-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.040	S115-006-10	S115-006-16	S115-006-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.045	S115-007-10	S115-007-16	S115-007-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.045	S115-008-10	S115-008-16	S115-008-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.050	S115-009-10	S115-009-16	S115-009-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.050	S115-010-10	S115-010-16	S115-010-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.055	S115-011-10	S115-011-16	S115-011-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.055	S115-012-10	S115-012-16	S115-012-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.060	S115-013-10	S115-013-16	S115-013-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.060	S115-014-10	S115-014-16	S115-014-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.065	S115-015-10	S115-015-16	S115-015-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.065	S115-016-10	S115-016-16	S115-016-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.070	S115-017-10	S115-017-16	S115-017-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.070	S115-018-10	S115-018-16	S115-018-20	\$168.90
0.500 (1/2)	0.250	3.00	N/A	N/A	0.075	S115-019-10	S115-019-16	S115-019-20	\$161.74
0.500 (1/2)	0.250	3.00	0.125	0.50	0.075	S115-020-10	S115-020-16	S115-020-20	\$168.90



S116
3/4" Brazed Saws

Cutter Diameter	Shank Diameter	Overall Length	Neck Diameter	Neck Length	Cutter Width	10 Teeth	16 Teeth	22 Teeth	Price
A	D	E	G	C	H				
0.750 (3/4)	0.250	3.00	N/A	N/A	0.030	S116-001-10	S116-001-16	S116-001-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.035	S116-002-10	S116-002-16	S116-002-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.040	S116-003-10	S116-003-16	S116-003-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.045	S116-004-10	S116-004-16	S116-004-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.050	S116-005-10	S116-005-16	S116-005-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.055	S116-006-10	S116-006-16	S116-006-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.060	S116-007-10	S116-007-16	S116-007-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.065	S116-008-10	S116-008-16	S116-008-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.070	S116-009-10	S116-009-16	S116-009-22	\$169.40
0.750 (3/4)	0.250	3.00	N/A	N/A	0.075	S116-010-10	S116-010-16	S116-010-22	\$169.40

S117
3/4" Brazed Saws

Cutter Diameter	Shank Diameter	Overall Length	Neck Diameter	Neck Length	Cutter Width	10 Teeth	16 Teeth	22 Teeth	Price
A	D	E	G	C	H				
0.750 (3/4)	0.375	3.00	N/A	N/A	0.030	S117-001-10	S117-001-16	S117-001-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.030	S117-002-10	S117-002-16	S117-002-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.035	S117-003-10	S117-003-16	S117-003-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.035	S117-004-10	S117-004-16	S117-004-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.040	S117-005-10	S117-005-16	S117-005-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.040	S117-006-10	S117-006-16	S117-006-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.045	S117-007-10	S117-007-16	S117-007-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.045	S117-008-10	S117-008-16	S117-008-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.050	S117-009-10	S117-009-16	S117-009-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.050	S117-010-10	S117-010-16	S117-010-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.055	S117-011-10	S117-011-16	S117-011-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.055	S117-012-10	S117-012-16	S117-012-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.060	S117-013-10	S117-013-16	S117-013-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.060	S117-014-10	S117-014-16	S117-014-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.065	S117-015-10	S117-015-16	S117-015-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.065	S117-016-10	S117-016-16	S117-016-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.070	S117-017-10	S117-017-16	S117-017-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.070	S117-018-10	S117-018-16	S117-018-22	\$179.49
0.750 (3/4)	0.375	3.00	N/A	N/A	0.075	S117-019-10	S117-019-16	S117-019-22	\$171.22
0.750 (3/4)	0.375	3.00	0.25	0.50	0.075	S117-020-10	S117-020-16	S117-020-22	\$179.49



All MITGI Brazed Saws are available in 3 weeks or less (4 weeks coated). Contact us to order standards or request a custom saw quote.

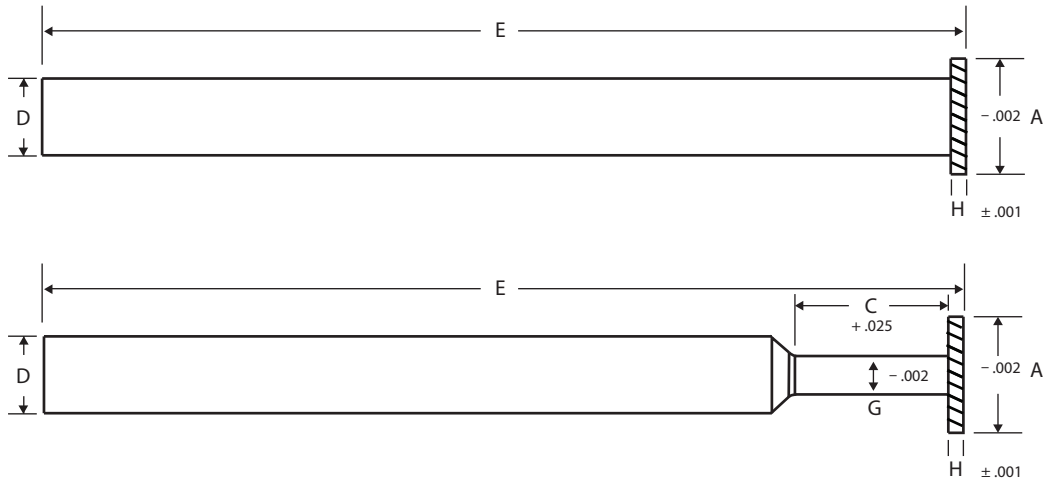


1" Brazed Saws

S118

ALL SAWS ARE AVAILABLE IN 3 WEEKS OR LESS (4 WEEKS COATED)

Cutter Diameter	Shank Diameter	Overall Length	Neck Diameter	Neck Length	Cutter Width	12 Teeth	18 Teeth	24 Teeth	Price
A	D	E	G	C	H				
1.00	0.375	3.00	N/A	N/A	0.030	S118-001-12	S118-001-18	S118-001-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.030	S118-002-12	S118-002-18	S118-002-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.035	S118-003-12	S118-003-18	S118-003-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.035	S118-004-12	S118-004-18	S118-004-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.040	S118-005-12	S118-005-18	S118-005-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.040	S118-006-12	S118-006-18	S118-006-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.045	S118-007-12	S118-007-18	S118-007-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.045	S118-008-12	S118-008-18	S118-008-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.050	S118-009-12	S118-009-18	S118-009-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.050	S118-010-12	S118-010-18	S118-010-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.055	S118-011-12	S118-011-18	S118-011-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.055	S118-012-12	S118-012-18	S118-012-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.060	S118-013-12	S118-013-18	S118-013-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.060	S118-014-12	S118-014-18	S118-014-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.065	S118-015-12	S118-015-18	S118-015-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.065	S118-016-12	S118-016-18	S118-016-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.070	S118-017-12	S118-017-18	S118-017-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.070	S118-018-12	S118-018-18	S118-018-24	\$185.49
1.00	0.375	3.00	N/A	N/A	0.075	S118-019-12	S118-019-18	S118-019-24	\$177.23
1.00	0.375	3.00	0.25	0.50	0.075	S118-020-12	S118-020-18	S118-020-24	\$185.49



Custom Brazed or Arbor Mounted Saws

Can't find a tool to meet your exact specifications? Specials or modified standards may be the answer.

MANUFACTURED BY MITGI

- Shank diameter = 3mm – 1.250 in
- Tolerances and number of teeth vary by design
- Saws dished front to back for free cutting
- Options: modified or combined features, neck length, staggered form, end finishes, saw diameter
- Specials usually available in 3-4 weeks or less

Quote forms available on our website and upon request.
Contact us for an estimate today.





CUSTOM TOOLS

There are some situations in which a standard tool just doesn't fit the job. When a complicated application or other limitations exist, a custom tool can provide the unique capabilities required.

Custom tools can be manufactured from an existing design or created using our in-house design service. Within two weeks of print approval and receipt of a purchase order, we can have the custom tool in your hands and ready for use. To make re-ordering easier, we'll keep detailed records on each custom order so that we're always ready to manufacture the tool to the exact same specifications.

TIMELINE: TWO WEEKS OR LESS

MODIFIED STANDARDS

Standard tools provide an immediate manufacturing solution. In some cases, the tool needed may be similar to a stocked tool, but requires some changes to improve efficiencies. For more information about each tool type, refer to QUOTE SHEETS on our website, or on the following pages:

- End Mills, pages 6-95 and 172-177
- Variable Helix Micro End Mills, pages 88-95
- Drills, pages 96-109
- Coolant Thru Tools, pages 108-109 and 166-171
- Reamers, pages 110-113
- Drafted Mold Tools, pages 114-125
- Clearance Cutter Mold Tools, pages 126-129
- Tapered Rib Cutters, pages 130-150
- Thread Mills, pages 152-165
- Corner Rounders, page 175
- Undercutting End Mills/Cherry Ball Tools, pages 176-177
- Spot Drills, pages 178-180
- Drill Mills, page 181
- Keyseat Cutters, pages 182-187
- Dovetail Cutters, pages 188-189
- Chamfer Cutters, page 190
- Engraving Tools, page 192-193
- Plastics Cutters, pages 194-200
- Brazed or Arbor Mounted Saws, pages 202-205

Some modified standards may be able to be manufactured as quickly as three days. To determine the fastest production timeline, request a QUICK TURN REVIEW when submitting your quote request. QUICK TURN schedule availability may vary and capacity is limited.

TIMELINE: TWO WEEKS OR LESS

QUICK TURN TIMELINE: THREE DAYS OR LESS



CUSTOM TOOLS AND MODIFIED STANDARDS

CUSTOM TOOL TYPES

- Micro End Mills (standard, stub, extended reach, extended length of cut) including Ball, Square, Corner Radius, and Chamfer
- Variable Helix Micro End Mills
- Micro Drills
- Drills, Drill Mills, Spot Drills, G-Style Drills, Double Margin Drills, Spade Drills, Gun Drills
- Reamers
- Single Point and Full Form Thread Mills
- End Mills
- Hard Milling End Mills
- Undercutting End Mills/Cherry Ball Tools
- Deburring Knives
- Chamfer Cutters
- Engraving Cutters
- Drafted Mold Tools
- Clearance Cutter Mold Tools
- Tapered Rib Cutter Mold Tools
- Specialty Mold Tooling
- Keyseat Cutters, Woodruff Cutters, Staggered Tooth Keyseat Cutters
- Dovetails
- Multi-Diameter Step Tooling, Step Drills, Step Reamers
- Countersinks, Counterbores
- Broaches, Pins, Go/No-Go Gauges
- Corner Rounding End Mills
- Boring Bars
- Rebar Tools, Thread Bars
- Insert Modifications
- Port Tools
- Coolant Thru Thread Mills and Micro Drills
- Slitting Saws (mounted and arbor)
- Brazed Saws
- Form Tools
- Intersecting Form Tools
- Combination Tools
- Specialty Tool Manufacturing to Customer Print or Design



Ready to get started?

Contact us:

Phone: (320) 455-0535

Email: info@mitgi.us

Web: www.mitgi.us





COATING OPTIONS

MITGI offers both in-house and outsourced coating options. Contact us to discuss which coating will deliver optimum results.



LEVEL I: AlTiN (Aluminum Titanium Nitride)

Ideal Cutting Material: Hardened Steel, Alloy Steel, Low Carbon Steel, Carbon Steel, Stainless Steel, PH Stainless Steel, Titanium
Primary Features: Longer tool life, especially in high speed applications

LEVEL II: TiN (Titanium Nitride)

Ideal Cutting Material: Iron, Steel, Alloy Steel, Low Carbon Steel, Carbon Steel
Primary Features: Reduction in overall tool wear

LEVEL II: TiCN (Titanium Carbon Nitride)

Ideal Cutting Material: Aluminum, Steel
Primary Features: Optimum coating for tools with sharp edges and corners

LEVEL II: nACo®

Ideal Cutting Material: Steel, Hardened Steel, Alloyed Steel, Superalloys
Primary Features: Drilling, Hard Milling

LEVEL III COATING OPTIONS

Level III coating formulas may be run in-house or outsourced to approved vendors. Lead times vary based on tool type and quantity.

- ZrN
- nACRo®
- Diamond
- DLC (diamond-like coating)
- Other formulations as requested

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IN-HOUSE COATING

In-house coating allows MITGI to provide coating that has the same great quality as the tools you've come to expect from MITGI. Tools are coated in small batches of like sizes to ensure consistent coating is applied at the optimum temperature. MITGI offers coating for carbide tools with a round shank diameters ranging from 1/8"-1", and with cutter dimensions commonly as low as 0.010" (smaller on a case-by-case basis).

COATING AS A SERVICE

All MITGI in-house coatings are available for purchase by order or as a batch. For more information, contact your Inside Account Representative for pricing and scheduling options.

PRODUCTION NOTES

- In-house coating generally adds 1-5 days to overall production schedule
- Level I coating types run every 1-2 days, depending on tool size
- Level II and Level III coatings are available upon request, with an average 1-2 week turnaround
- No double ended tools or brazed tools with MITGI in-house coating



Ready to get started?

Contact us:

Phone: (320) 455-0535

Email: info@mitgi.us

Web: www.mitgi.us



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MANUFACTURED BY MITGI

For more than 30 years, MITGI has proven that finding the right product with time lines that match your schedule does not have to be complicated. Through our standard and custom product lines, we can design and manufacture tools that will meet your specifications and exceed your expectations.

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