

IN-GROOVE™

CNC INSERT ENGRAVING SYSTEM

The Most Versatile System for Sign Making, Lettering & Engraving

The new In-Groove™ Insert Engraving System features one tool body with 30 unique insert knives designed for a variety of applications.

Industrial quality insert knives produce crisp, clean cuts and last at least twice as long as comparable solid carbide bits.

This engraving system was engineered to quickly interchange inserts while tool body can remain mounted in CNC machine. This minimizes down-time and helps to maintain consistent cutting accuracy.

CNC Tool bodies are expertly balanced for virtually no vibration to provide superior cutting results.

Ideal for cutting laminated materials, veneers, MDF, plastics, wood, solid surface. and carbon fiber.

V-Tip inserts can also cut aluminum.





8 pc. Sets Available

AMS-209 (1/2 Shank)
AMS-210 (1/4 Shank)

Includes	QTY	Description
RCK-412	1	Corner Round / Bead Groove Insert Knife
RCK-420	1	Core Box Insert Knife
RCK-400	1	Straight Insert Knife
RCK-360	1	30° V-Tip Insert Knife
RCK-361	1	30° V-Tip Insert Knife
RCK-362	1	30° V-Tip Insert Knife
RCK-380	1	60° V-Tip Insert Knife
RC-1076 or RC-1075	1	1/2" Shank Tool Body (AMS-209 Set) or 1/4" Shank Tool Body (AMS-210 Set)



RC-1075

RC-1076

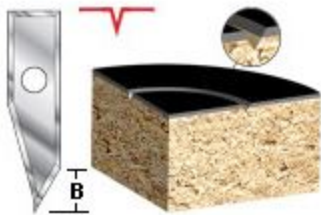
d	CNC Tool Body No.
1/4"	RC-1075
1/2"	RC-1076

Insert knives sold separately.



360° View

30° V-Tip Width Engraving Insert Knives

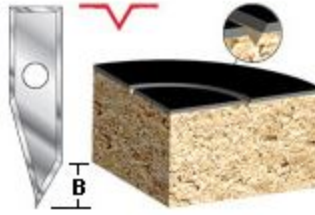


Tip	B	Part No.
0.005"	16mm (5/8")	RCK-360
0.010"	16mm (5/8")	RCK-361
0.020"	16mm (5/8")	RCK-362
0.030"	16mm (5/8")	RCK-363
0.040"	16mm (5/8")	RCK-364
0.060"	16mm (5/8")	RCK-366
0.090"	16mm (5/8")	RCK-369



[View RPM & Feed Rate Chart](#)

60° V-Tip Width Engraving Insert Knives

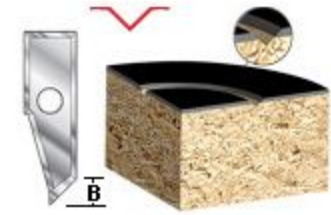


Tip	B	Part No.
0.005"	7.5mm (9/32")	RCK-380
0.010"	7.5mm (9/32")	RCK-381
0.020"	7.5mm (9/32")	RCK-382
0.030"	7.5mm (9/32")	RCK-383
0.040"	7.5mm (9/32")	RCK-384
0.060"	7.5mm (9/32")	RCK-385
0.090"	7.5mm (9/32")	RCK-386



[View RPM & Feed Rate Chart](#)

90° V-Tip Width Engraving Insert Knives

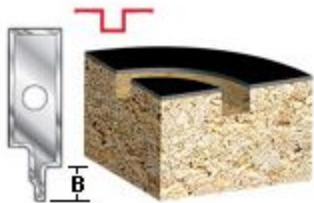


Tip	B	Part No.
0.005"	4mm (5/32")	RCK-390
0.010"	4mm (5/32")	RCK-391
0.020"	4mm (5/32")	RCK-392
0.040"	4mm (5/32")	RCK-393



[View RPM & Feed Rate Chart](#)

Straight Engraving Insert Knives

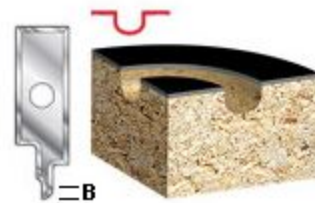


Dia.	B	Part No.
1/8"	5mm (3/16")	RCK-400
3/16"	6mm (15/64")	RCK-402
1/4"	7mm (9/32")	RCK-404
5/16"	8mm (5/16")	RCK-406



[View RPM & Feed Rate Chart](#)

Core Box Engraving Insert Knives

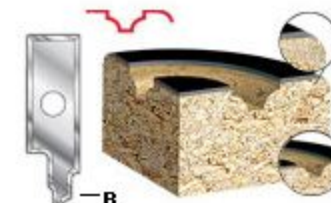


Radius	B	Part No.
1/16"	5mm (3/16")	RCK-420
3/32"	6mm (15/64")	RCK-422
1/8"	7mm (9/32")	RCK-424
5/32"	8mm (5/16")	RCK-426



[View RPM & Feed Rate Chart](#)

Corner Round & Bead Groove Engraving Insert Knives



Radius	B	Part No.
1/16"	8mm (5/16")	RCK-410
3/32"	8mm (5/16")	RCK-412
1/8"	8mm (5/16")	RCK-414



[View RPM & Feed Rate Chart](#)



The most innovative time saving system for cutting and chamfering in plastics.

The new In-Plastic™ Insert Cut & Chamfer System features one tool body with 13 unique insert knives designed for a variety of plastic cutting applications.

This time saving system cuts and quad chamfers "top and bottom of both sides" in one pass without melting the edges.

Industrial quality insert knives produce smooth, chip-free cuts and last at least twice as long as comparable solid carbide bits.

The unique tool body was engineered to quickly interchange inserts while mounted in CNC machines to eliminate down-time and to maintain consistent cutting accuracy.

CNC Tool bodies are expertly balanced for virtually no vibration to provide superior cutting results and less stress on the tool & spindle.

The In-Plastic™ system was specifically designed for use with all forms of plastic sheet materials for signmaking, lettering and display case industries.

Inserts were engineered to only penetrate the spoilboard by 0.2mm!



Cut & Chamfer RPM & Feed Rate Chart

All In-Plastic™ insert knives share the same specifications show in figure F,G and H.



F= Width at maximum point of chamfer at both sides

6.0mm
15/64"
0.236"



G= Cutting width

3.50mm
9/64"
0.138"



H= Maximum chamfer depth

1.25mm
3/64"
0.049"

NEW



RC-1075

RC-1076

d	CNC Tool Body No.
1/4"	RC-1075
1/2"	RC-1076

Insert knives sold separately.

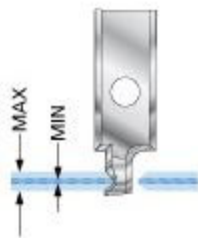
Replacement Parts	Part No.
 Screw M4x8	67127

 Hex Key	5004
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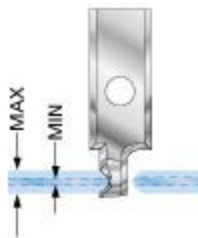


say goodbye to *sharp edges!*

Insert knives below are for plunging, cutting and chamfering top and bottom of both sides of plastic.

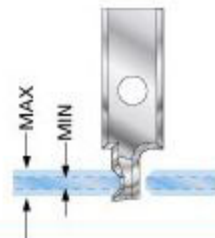


Min-Max	Part No.
0.50mm-1.50mm 0.019" - 0.059"	RCK-428

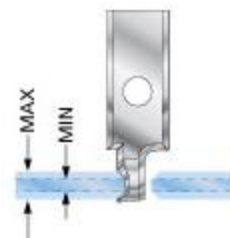


Min-Max	Part No.
1.0mm-2.0mm 0.039" - 0.079"	RCK-429

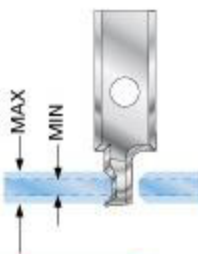
MOST POPULAR FOR 1/8" THICKNESS



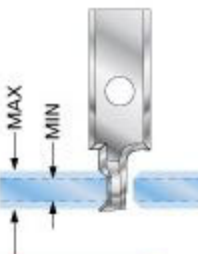
Min-Max	Part No.
1.50mm-2.50mm 0.059" - 0.098"	RCK-430



Min-Max	Part No.
1.80mm-2.80mm 0.078" - 0.110"	RCK-431

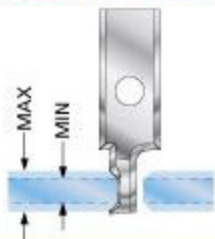


Min-Max	Part No.
2.30mm-3.30mm 0.091" - 0.129"	RCK-433

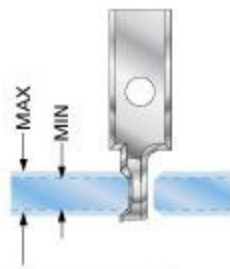


Min-Max	Part No.
3.30mm-4.30mm 0.129" - 0.169"	RCK-435

MOST POPULAR FOR 3/16" THICKNESS



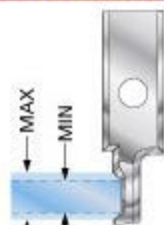
Min-Max	Part No.
3.60mm-4.60mm 0.141" - 0.181"	RCK-432



Min-Max	Part No.
4.30mm-5.30mm 0.169" - 0.206"	RCK-436

Insert knives below are for chamfering top and bottom of one side only.

MOST POPULAR FOR 1/4" THICKNESS



Min-Max

4.60mm-5.60mm
0.181" - 0.221"

Part No.

RCK-434

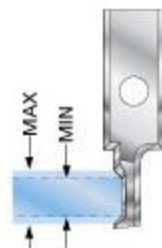


Min-Max

5.0mm-6.0mm
0.197" - 0.236"

Part No.

RCK-437

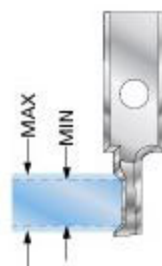


Min-Max

5.50mm-6.50mm
0.217" - 0.256"

Part No.

RCK-438

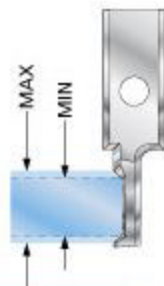


Min-Max

6.30mm-7.30mm
0.248" - 0.287"

Part No.

RCK-439



Min-Max

8.30mm-9.30mm
0.327" - 0.366"

Part No.

RCK-440