

Point to Point

Router Bits for the Panel Processing & RTA Furniture Market

SOLID CARBIDE DOUBLE EDGE COMPRESSION SPIRAL

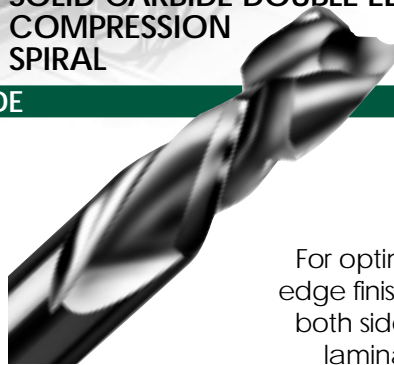
SERIES 60-100DE

Double Edge

Upcut/downcut design for fast feed rates and optimum edge finish on both sides of laminated materials.

Usage:

Double sided laminated materials, hard wood and wood composites



For optimum edge finish on both sides of laminates.

| PART # | CED | CEL | SHK DIA | OAL |
|--------|-------|-------|---------|--------|
| 60-112 | 1/4 | 7/8 | 1/4 | 2 1/2 |
| 60-124 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-133 | 6 mm | 25 mm | 6 mm | 64 mm |
| 60-135 | 8 mm | 25 mm | 8 mm | 64 mm |
| 60-137 | 10 mm | 35 mm | 10 mm | 76 mm |
| 60-139 | 12 mm | 35 mm | 12 mm | 76 mm |
| 60-140 | 20 mm | 50 mm | 20 mm | 100 mm |
| 60-164 | 1/2 | 1 | 1/2 | 3 |
| 60-169 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-171 | 1/2 | 1 3/8 | 1/2 | 3 1/2 |
| 60-172 | 1/2 | 1 5/8 | 1/2 | 4 |
| 60-186 | 5/8 | 2 1/4 | 5/8 | 5 |
| 60-196 | 3/4 | 1 7/8 | 3/4 | 4 |
| 60-198 | 3/4 | 2 1/2 | 3/4 | 5 |

CED TOLERANCE + .000" -.004"/+.0mm - .1mm

SOLID CARBIDE THREE EDGE COMPRESSION SPIRAL

SERIES 60-100TE

Three Edge

Upcut/downcut design for ultra high feed rates and optimum edge finish on both sides of laminated material.

Usage:

Double sided laminated materials, hardwood and wood composites



For ultra high feed rates.

| PART # | CED | CEL | SHK DIA | OAL |
|--------|-----|-------|---------|-------|
| 60-125 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-174 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-175 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-197 | 3/4 | 2 | 3/4 | 4 |

CED TOLERANCE + .000 -.004

SOLID CARBIDE SINGLE EDGE COMPRESSION SPIRAL

SERIES 60-100SE

Single Edge

Upcut/downcut design for fast feed rates and optimum edge finish on both sides of laminated materials.

Usage:

Double sided laminated materials, hardwood and wood composites



For optimum edge finish on both sides of laminates.

(HS) = Hard surface double laminate geometry
(HW) = Hardwood geometry
L = Left Rotation Tool

| PART # | CED | CEL | SHK DIA | OAL |
|------------|-------|-------|---------|--------|
| 60-102 | 1/8 | 3/8 | 1/4 | 2 1/2 |
| 60-106 | 3/16 | 5/8 | 1/4 | 2 1/2 |
| 60-110 | 1/4 | 7/8 | 1/4 | 2 1/2 |
| 60-122(HS) | 3/8 | 1 | 3/8 | 3 |
| 60-120 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-120L | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-132 | 6 mm | 25 mm | 6 mm | 64 mm |
| 60-134 | 8 mm | 25 mm | 8 mm | 64 mm |
| 60-136 | 10 mm | 35 mm | 10 mm | 76 mm |
| 60-138 | 12 mm | 35 mm | 12 mm | 76 mm |
| 60-142 | 16 mm | 55 mm | 16 mm | 100 mm |
| 60-160 | 1/2 | 1 | 1/2 | 3 |
| 60-162(HS) | 1/2 | 1 | 1/2 | 3 |
| 60-167 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-168(HW) | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-170 | 1/2 | 1 3/8 | 1/2 | 3 1/2 |
| 60-165 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-165L | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-185 | 5/8 | 2 1/4 | 5/8 | 4 |
| 60-195 | 3/4 | 2 | 3/4 | 4 |

CED TOLERANCE + .000" -.004"/+.0mm - .1mm



A member of the LMT group



SOLID CARBIDE THREE EDGE FINISHER SLOW HELIX

SERIES 60-200

Three Edge

Designed for perfect balance and ultra smooth finish over a wide speed range.

Usage:

Hardwoods and wood composites



For perfect balance and smooth finish.

| PART # | CED | CEL | SHK DIA | OAL |
|----------------|-----|-------|---------|-------|
| Upcut | | | | |
| 60-239 | 1/4 | 3/8 | 1/4 | 3 |
| 60-241 | 1/4 | 7/8 | 1/4 | 3 |
| 60-243 | 3/8 | 5/8 | 3/8 | 3 |
| 60-245 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-249 | 1/2 | 1 1/8 | 1/2 | 3 1/2 |
| 60-253 | 1/2 | 1 5/8 | 1/2 | 4 |
| 60-251 | 1/2 | 2 1/8 | 1/2 | 4 1/2 |
| 60-269 | 3/4 | 1 5/8 | 3/4 | 4 |
| 60-271 | 3/4 | 2 1/8 | 3/4 | 5 |
| Downcut | | | | |
| 60-240 | 1/4 | 3/8 | 1/4 | 3 |
| 60-242 | 1/4 | 7/8 | 1/4 | 3 |
| 60-244 | 3/8 | 5/8 | 3/8 | 3 |
| 60-246 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-250 | 1/2 | 1 1/8 | 1/2 | 3 1/2 |
| 60-254 | 1/2 | 1 5/8 | 1/2 | 4 |
| 60-252 | 1/2 | 2 1/8 | 1/2 | 4 1/2 |
| 60-270 | 3/4 | 1 5/8 | 3/4 | 4 |
| 60-272 | 3/4 | 2 1/8 | 3/4 | 5 |

CED TOLERANCE + .000 - .004



SOLID CARBIDE THREE-EDGE CHIPBREAKER

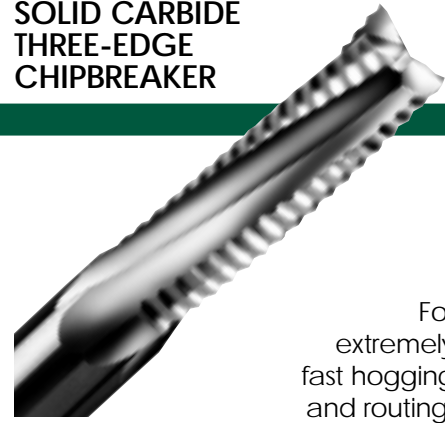
SERIES 60-000

Three Edge

Unique scalloped cutting edge design for extremely fast routing or hogging. Lower horsepower and longer tool life are additional advantages.

Usage:

Plywood and hardwood



For extremely fast hogging and routing.

| PART # | CED | CEL | SHK DIA | OAL |
|----------------|-------|-------|---------|--------|
| Upcut | | | | |
| 60-037 | 3/8 | 1 1/8 | 3/8 | 3 1/2 |
| 60-053 | 1/2 | 1 1/8 | 1/2 | 3 1/2 |
| 60-051 | 1/2 | 1 5/8 | 1/2 | 4 |
| 60-065 | 5/8 | 1 5/8 | 5/8 | 4 |
| 60-061 | 5/8 | 2 1/8 | 5/8 | 5 |
| 60-073 | 3/4 | 1 5/8 | 3/4 | 4 |
| 60-071 | 3/4 | 2 1/8 | 3/4 | 5 |
| 60-063 | 16 mm | 55 mm | 16 mm | 120 mm |
| Downcut | | | | |
| 60-038 | 3/8 | 1 1/8 | 3/8 | 3 1/2 |
| 60-054 | 1/2 | 1 1/8 | 1/2 | 3 1/2 |
| 60-052 | 1/2 | 1 5/8 | 1/2 | 4 |
| 60-066 | 5/8 | 1 5/8 | 5/8 | 4 |
| 60-062 | 5/8 | 2 1/8 | 5/8 | 5 |
| 60-074 | 3/4 | 1 5/8 | 3/4 | 4 |
| 60-072 | 3/4 | 2 1/8 | 3/4 | 5 |
| 60-064 | 16 mm | 55 mm | 16 mm | 120 mm |

CED TOLERANCE + .000" -.010"/+.0mm - .25mm



SOLID CARBIDE THREE EDGE CHIPBREAKER FINISHER

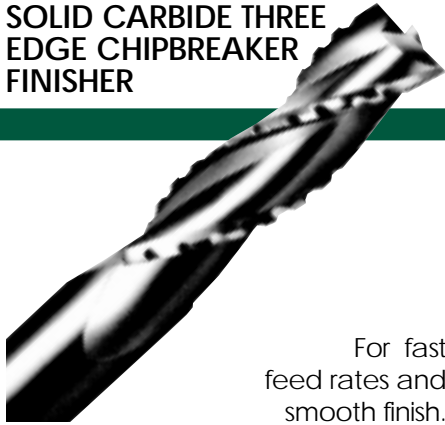
SERIES 60-350

Three Edge

For additional balance at fast feed rates with a smooth finish.

Usage:

Hardwoods, wood composites, and plywood



For fast feed rates and smooth finish.

| PART # | CED | CEL | SHK DIA | OAL |
|----------------|-----|-------|---------|-------|
| Upcut | | | | |
| 60-337 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-351 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-355 | 1/2 | 1 3/8 | 1/2 | 3 |
| 60-353 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-361 | 5/8 | 1 5/8 | 5/8 | 4 |
| 60-371 | 3/4 | 1 5/8 | 3/4 | 4 |
| 60-373 | 3/4 | 2 1/4 | 3/4 | 4 |
| 60-375 | 3/4 | 3 1/8 | 3/4 | 6 |
| Downcut | | | | |
| 60-338 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-350 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-354 | 1/2 | 1 3/8 | 1/2 | 3 |
| 60-352 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-360 | 5/8 | 1 5/8 | 5/8 | 4 |
| 60-370 | 3/4 | 1 5/8 | 3/4 | 4 |
| 60-372 | 3/4 | 2 1/4 | 3/4 | 5 |
| 60-374 | 3/4 | 3 1/8 | 3/4 | 6 |

CED TOLERANCE + .000 - .004



SOLID CARBIDE DOUBLE EDGE CHIPBREAKER FINISHER

SERIES 60-300

Double Edge

For faster feed rates than a conventional two flute with a smooth finish.

Usage:

Hardwoods MDF and plywood



For fast feed rates.

| PART # | CED | CEL | SHK DIA | OAL |
|----------------|-----|-------|---------|-------|
| Upcut | | | | |
| 60-307 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-311 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-313 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-315 | 1/2 | 2 1/8 | 1/2 | 4 |
| 60-317 | 1/2 | 1 7/8 | 1/2 | 3 1/2 |
| 60-321 | 5/8 | 2 1/8 | 5/8 | 4 |
| 60-325 | 3/4 | 2 1/8 | 3/4 | 4 |
| Downcut | | | | |
| 60-308 | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-312 | 1/2 | 1 1/8 | 1/2 | 3 |
| 60-314 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 60-316 | 1/2 | 2 1/8 | 1/2 | 4 |
| 60-318 | 1/2 | 1 7/8 | 1/2 | 3 1/2 |
| 60-322 | 5/8 | 2 1/8 | 5/8 | 4 |
| 60-326 | 3/4 | 2 1/8 | 3/4 | 4 |

CED TOLERANCE + .000 - .004



SOLID CARBIDE DOUBLE EDGE DOWNCUT SPIRAL WOOD ROUT

SERIES 57-200

Double Edge
These carbide tools are designed for routing wood and wood composites where downward chip removal, tool rigidity, long life, and high quality finish is desired.

Usage:
Wood and wood composites



For downward chip removal.

| PART # | CED | CEL | SHK DIA | OAL |
|---------|------|-------|---------|-------|
| 57-240L | 1/8 | 1/2 | 1/4 | 2 |
| 57-260L | 3/16 | 3/4 | 1/4 | 2 |
| 57-285L | 1/4 | 1 | 1/4 | 2 1/2 |
| 57-310L | 5/16 | 1 1/8 | 1/2 | 3 |
| 57-325L | 3/8 | 1 1/4 | 3/8 | 3 |
| 57-365L | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| 57-385L | 5/8 | 2 1/8 | 5/8 | 4 |
| 57-395L | 3/4 | 2 1/8 | 3/4 | 4 |

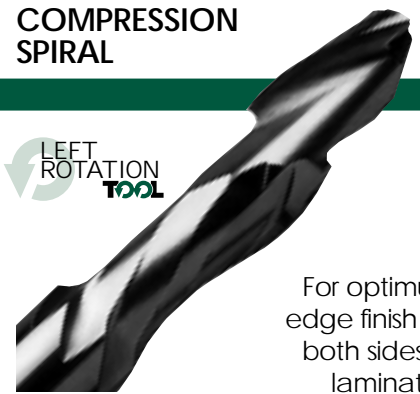


SOLID CARBIDE SINGLE EDGE COMPRESSION SPIRAL

SERIES 60-100SE

Single Edge
Upcut/downcut design for fast feed rates and optimum edge finish on both sides of laminated materials.

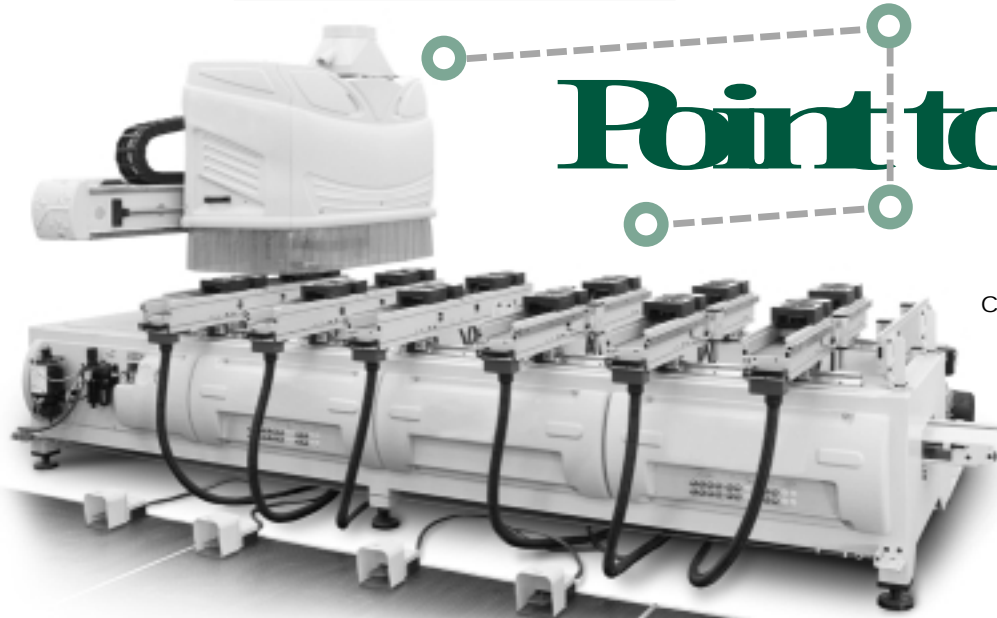
Usage:
Double sided laminated materials, hardwood and wood composites



For optimum edge finish on both sides of laminates.

| PART # | CED | CEL | SHK DIA | OAL |
|---------|-----|-------|---------|-------|
| 60-120L | 3/8 | 1 1/8 | 3/8 | 3 |
| 60-165L | 1/2 | 1 5/8 | 1/2 | 3 1/2 |

CED TOLERANCE + .000" -.004" / +.0mm - .1mm



Point to Point

Onsrud Cutter designs and manufactures production cutters which produce quality machined finishes at fast Point to Point feed rates.



CARBIDE TIPPED DOUBLE EDGE LEFT HAND STRAIGHT

SERIES 48-500

Double Edge
These carbide tipped tools mirror their counterparts in popular sizes where left hand rotation is required.

Usage:
Wood composites and laminated woods



For general usage and balance.

| PART # | CED | CEL | SHK DIA | OAL |
|--------|-----|-------|---------|-------|
| 48-506 | 1/4 | 7/8 | 1/4 | 2 3/8 |
| 48-557 | 3/8 | 1 | 1/2 | 2 1/2 |
| 48-576 | 1/2 | 1 1/4 | 1/2 | 2 3/4 |
| 48-580 | 1/2 | 1 1/2 | 1/2 | 3 |
| 48-588 | 3/4 | 1 1/4 | 1/2 | 2 3/4 |

CED TOLERANCE ± .005

www.onsrud.com

Continuous updates for new products, trouble shooting and tool selection

LOG ON!



Onsrud Cutter^{ip}



SOLID CARBIDE DOUBLE EDGE DOWNCUT SPIRAL WOOD ROUT

SERIES 57-200



Double Edge
These carbide tools are designed for routing wood and wood composites where downward chip removal, tool rigidity, long life, and high quality finish is desired.

For downward chip removal.

| Usage: | PART # | CED | CEL | SHK DIA | OAL |
|--------------------------|-----------|-------|-------|---------|-------|
| Wood and wood composites | 57-240 | 1/8 | 1/2 | 1/4 | 2 |
| | 57-240L | 1/8 | 1/2 | 1/4 | 2 |
| | 57-244 | 1/8 | 1/2 | 1/8 | 2 |
| | 57-251 | 5/32 | 1/2 | 1/4 | 2 1/2 |
| | 57-250 | 5/32 | 5/8 | 1/4 | 2 |
| | 57-260 | 3/16 | 3/4 | 1/4 | 2 |
| | 57-260L | 3/16 | 3/4 | 1/4 | 2 |
| | 57-261 | 3/16 | 3/4 | 1/4 | 2 1/2 |
| | 57-264 | 3/16 | 3/4 | 3/16 | 2 |
| | 57-270 | 7/32 | 3/4 | 1/4 | 2 1/2 |
| | 57-271 | 7/32 | 1 | 1/4 | 2 1/2 |
| | 57-280 | 1/4 | 7/8 | 1/4 | 2 1/2 |
| | 57-281(S) | 1/4 | 7/8 | 1/4 | 2 1/2 |
| | 57-285 | 1/4 | 1 | 1/4 | 2 1/2 |
| | 57-285L | 1/4 | 1 | 1/4 | 2 1/2 |
| | 57-287 | 1/4 | 1 1/8 | 1/4 | 3 |
| | 57-290 | 9/32 | 1 | 5/16 | 2 1/2 |
| | 57-300 | 5/16 | 1 1/8 | 5/16 | 3 |
| | 57-310 | 5/16 | 1 1/8 | 1/2 | 3 |
| | 57-310L | 5/16 | 1 1/8 | 1/2 | 3 |
| | 57-318 | 3/8 | 1 | 3/8 | 3 |
| | 57-320 | 3/8 | 1 1/8 | 3/8 | 3 |
| | 57-321(S) | 3/8 | 1 1/8 | 3/8 | 3 |
| | 57-325 | 3/8 | 1 1/4 | 3/8 | 3 |
| | 57-325L | 3/8 | 1 1/4 | 3/8 | 3 |
| | 57-330 | 3/8 | 1 1/4 | 1/2 | 3 |
| | 57-340 | 7/16 | 1 | 1/2 | 3 |
| | 57-360 | 1/2 | 1 1/8 | 1/2 | 3 |
| | 57-361(S) | 1/2 | 1 1/8 | 1/2 | 3 |
| | 57-362 | 1/2 | 1 1/4 | 1/2 | 3 1/2 |
| | 57-365 | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| | 57-365L | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| | 57-366(S) | 1/2 | 1 5/8 | 1/2 | 3 1/2 |
| | 57-367 | 1/2 | 2 1/8 | 1/2 | 4 |
| | 57-370 | 17/32 | 1 1/8 | 1/2 | 3 |
| | 57-380 | 5/8 | 1 5/8 | 5/8 | 3 1/2 |
| | 57-385 | 5/8 | 2 1/8 | 5/8 | 4 |
| | 57-385L | 5/8 | 2 1/8 | 5/8 | 4 |
| | 57-390 | 3/4 | 1 5/8 | 3/4 | 4 |
| | 57-395 | 3/4 | 2 1/8 | 3/4 | 4 |
| | 57-395L | 3/4 | 2 1/8 | 3/4 | 4 |

UPHOLSTERY ROUTER BITS

| | | | | |
|--------|-----|-------|-----|-------|
| 57-322 | 3/8 | 7/8 | 3/8 | 3 |
| 57-323 | 3/8 | 1 1/4 | 3/8 | 3 |
| 57-324 | 3/8 | 3/4 | 3/8 | 2 1/2 |
| 57-326 | 3/8 | 1 | 3/8 | 2 1/2 |

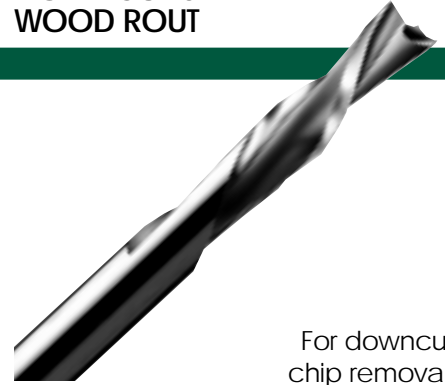
CED TOLERANCE + .000 - .004

NEW TOOL



SOLID CARBIDE DOUBLE EDGE DOWNCUT SPIRAL WOOD ROUT

SERIES 57-400



Double Edge
These tools are designed for routing wood and wood composites where downward chip removal, tool rigidity, long life, and high quality finish is desired.

For downcut chip removal.

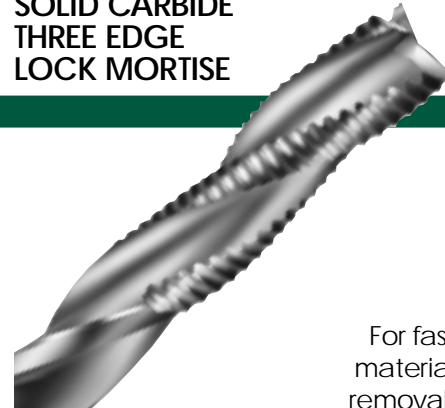
| Usage: | PART # | CED | CEL | SHK DIA | OAL |
|--------------------------|--------|-------|-------|---------|--------|
| Wood and wood composites | 57-410 | 4 mm | 16 mm | 6 mm | 64 mm |
| | 57-411 | 5 mm | 20 mm | 6 mm | 64 mm |
| | 57-412 | 6 mm | 25 mm | 6 mm | 64 mm |
| | 57-414 | 8 mm | 25 mm | 8 mm | 64 mm |
| | 57-416 | 10 mm | 35 mm | 10 mm | 76 mm |
| | 57-418 | 12 mm | 35 mm | 12 mm | 76 mm |
| | 57-420 | 14 mm | 50 mm | 14 mm | 88 mm |
| | 57-422 | 16 mm | 55 mm | 16 mm | 100 mm |
| | 57-424 | 18 mm | 60 mm | 18 mm | 120 mm |
| | 57-426 | 20 mm | 60 mm | 20 mm | 120 mm |

CED TOLERANCE +.0mm - .1mm



SOLID CARBIDE THREE EDGE LOCK MORTISE

SERIES 60-090



Three Edge
The scalloped upcut cutting edge design and extra spinback provide fast material removal in deep cuts for horizontal and vertical lock mortise routing.

For fast material removal.

| Usage: | PART # | CED | CEL | MAX DOC | SHK DIA | OAL |
|-------------------------------|--------|-------|-------|---------|---------|--------|
| Natural and manufactured wood | 60-090 | 5/8 | 2 | 4 1/2 | 5/8 | 6 1/2 |
| | 60-091 | 16 mm | 50 mm | 114 mm | 16 mm | 170 mm |

CED TOLERANCE + .000" -.004"/+.0mm - .1mm



**Onsrud
Cutter_{IP}**

800 Liberty Drive
Libertyville, IL 60048, U.S.A.

847-362-1560 • 800-234-1560
FAX: 847-362-5028
www.onsrud.com

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