SURREY
PRECISION TOOLS, INC.

DIAMOND & CARBIDE CUTTING TOOLS

High performance tooling engineered for precision, durability, and superior results.

- Sharpening/Repair
- Custom Tooling
- Saw Blades
- Router Bits
- Cutterheads
- Profile Grinding



Dear Valued Customer,

With decades of global experience, Surrey Precision Tools delivers expert solutions in diamond, tungsten carbide, and high-speed steel sharpening services, supporting a wide range of applications across the woodworking, metalworking, and composites industries.

As a practical, easy-to-navigate guide to our most commonly used tooling solutions for wood, metal, and composites, this catalog clearly reflects our standard offerings, specifications, and manufacturing capabilities.

Every tool we build is crafted to the highest standards; precisely engineered for quality, performance, and reliability.

Thank you for your interest in Surrey Precision Tools.

We look forward to building a strong and lasting partnership.

Surrey Precision Tools, Inc.

Maximizing Tool Performance

Polycrystalline diamond (PCD) tipped tools represent a significant investment and the latest advancement in achieving longer-lasting cutting performance.
PCD tooling is ideal for panel processing, solid hardwoods, and non-ferrous metals across a wide range of machinery.
To get the most out of your tooling, follow these key guidelines:

Safe Handling:
Wear gloves to protect your hands while ensuring a secure grip. Avoid contact with jewelry. Do not use metal calipers, rules, or hammers when measuring, mounting, or removing tools, as this can damage both the tool and cutting edge.

Vibration Control:
Proper machine maintenance is critical. Issues such as inadequate clamping pressure, spindle run-out, poor maintenance, or improper servicing can cause vibration and imbalance, quickly degrading cutting performance and edge integrity.

Storage:
Store tools in their original packaging in a cool, dry environment. Lightly protect with penetrating oil if needed, ensuring all excess is removed prior to use. Avoid water-displacement oils.

Cleaning:
Cleaning is performed as part of our professional service process. To prevent damage to the cutting edges, avoid cleaning tools at your facility.

Sharpness:
A cutting edge is considered dull when it becomes rounded by approximately 0.2 mm. By the time defects such as chipping appear in your material, the tool has already exceeded its optimal service window. Removing tools earlier helps reduce scrap and extends overall tool life.

Abbreviations

ATB	Alternate Top Bevel
bo	bore
CL	Cutting Length
Con	Conical
CW	Cutting Width
CT	Carbide Tipped
D	Diameter
d	Shank Diameter
Eff	Number of Effective Wings
F	Flat
FA	Saw corners ground at angle
H	Shank Length
HD	Panel Thickness
HDP	Tip Height
HG	Hollow Grind
HSS	High Speed Steel
k	Kerf (top width of tooth)
k1	Kerf (bottom width of tooth)
Kg	Kilogram
L1	Cutting Depth
l1	Zero Height
OL	Overall Length
P	Plate Thickness
PS	Profile Shape
R	Radius
S	Tool Height
SC	Solid Carbide
Sd	Small Diameter
T	Thickness
TC	Triple Chip
TCT	Tungsten Carbide Tipped
Vf	Feed Speed
Z	Number of Teeth/Flutes

SURREY

PRECISION TOOLS, INC.

Quality Matters



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ADVANCED PCD LASER EROSION TECHNOLOGY

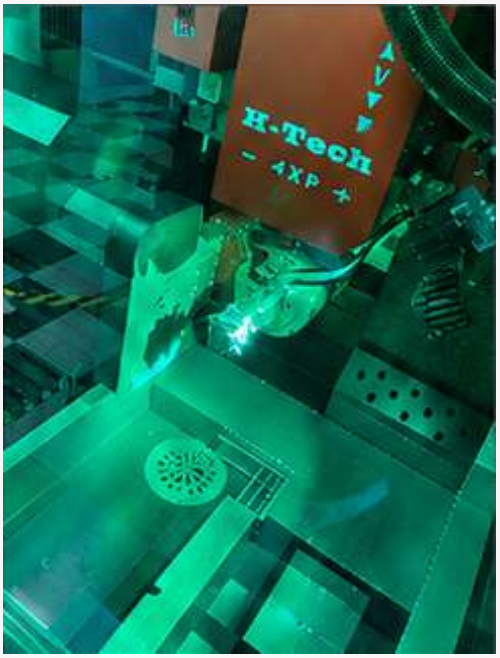
Introducing Surrey's new, cutting edge laser erosion capability



Surrey continues to expand its capabilities with the addition of advanced PCD Laser Erosion technology. This rare capability allows Surrey to sharpen a wide range of straight and profiled PCD tools with excellent precision, consistency, and accuracy for complex geometries

By adding laser erosion capability, Surrey is better equipped to service advanced PCD tooling and meet the evolving needs of our customers





- Sharpens straight & profiled PCD tools
- Advanced Precision for complex geometries
- Rare U.S. laser erosion capability

SERVICING THE TOOLS OF YOUR TRADE



Surrey Precision Tools is not only a major manufacturer of high-quality PCD and carbide tooling, we also service, repair, and manufacture PCD and carbide tools right here in Bassett, Virginia.

Our service and delivery drivers pick up and return tools throughout Virginia and North Carolina, as well as portions of West Virginia, Maryland, Tennessee, South Carolina, and Georgia. **For customers outside our regular service area, we also offer service through UPS and FedEx delivery, supporting companies across North America.**

Whether you need new standard tooling, custom tooling, or service and repair for your current tools, Surrey Precision Tools is ready to help keep your operation running.

PICKUP & DELIVERY

Regular service routes throughout Virginia, North Carolina and surrounding states.

TOOL SERVICE & REPAIR

PCD and Carbide tools serviced by experienced technicians in Bassett, Virginia

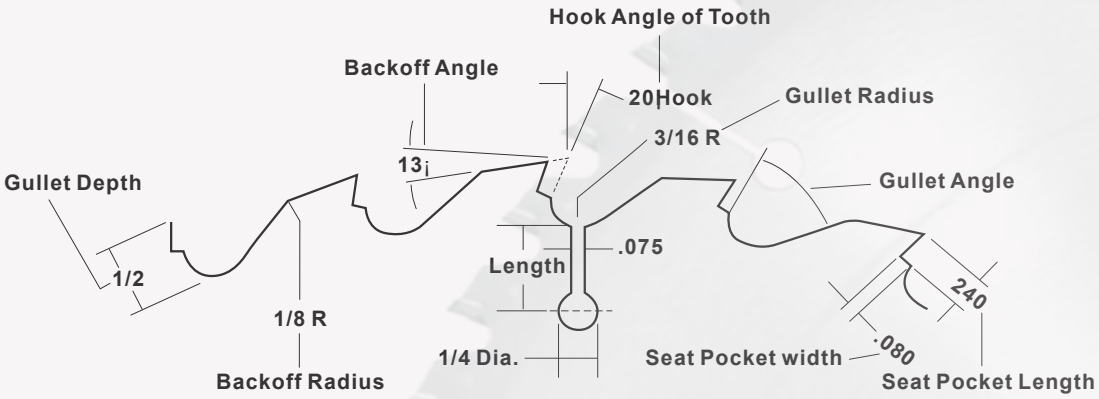
SHIPPING OPTIONS

UPS and FedEx service available for customers outside our regular delivery area

6466 Virginia Avenue, Bassett, Virginia 24055 | (276) 627-1321 | sptiinfo@surreytooling.com

Technical Information

Custom Manufactured Saw Blades

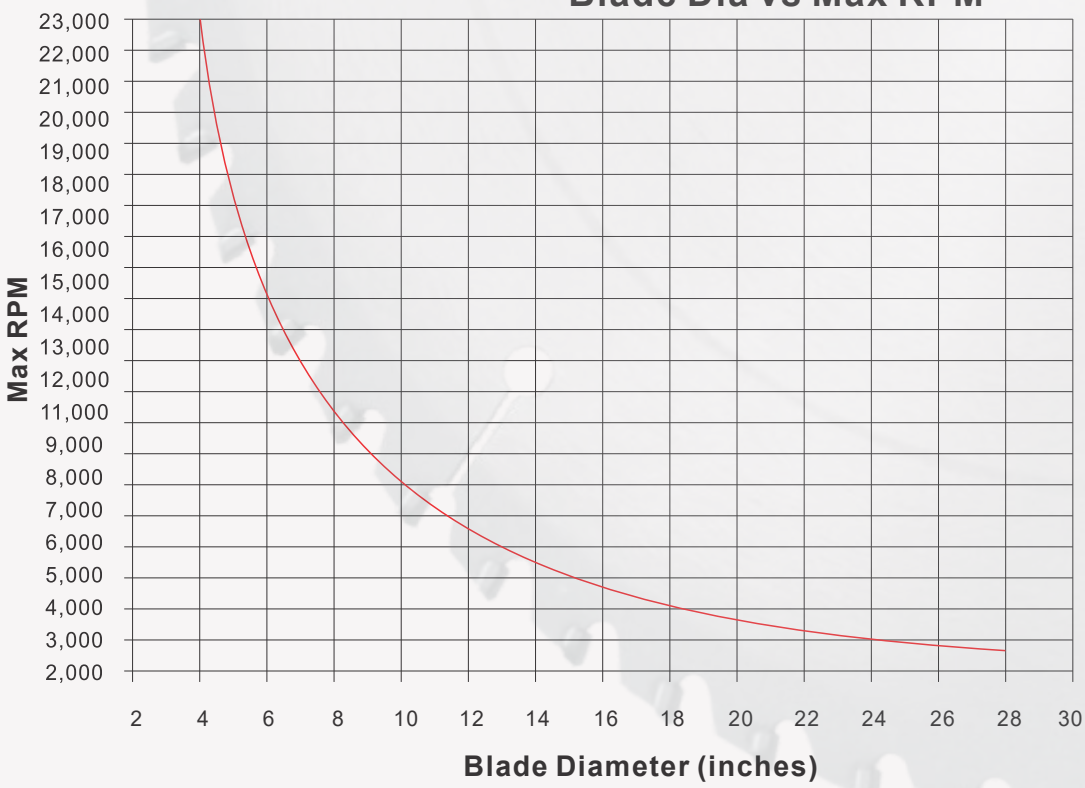


In addition to the industrial tooling featured in this catalog, Surrey Precision Tools manufactures custom PCD tools tailored to your exact specifications.The sketch above illustrates the key information required to design and produce a custom saw blade to meet your application needs.

When placing an order, please specify the outside diameter, bore size, and any required pinholes, countersunk holes, or keyways. Include the plate thickness and desired finished kerf (tip width). If available, provide details about the application, RPM, and feed speed. This information allows us to optimize the tool design and ensure the best possible performance for your specific use..

Blade Max. RPMs in Relation to Diameter

BLADE DIA		MAX RPM
INCHES	MM	
3	80	22,900
4	100	22,600
5	125	18,300
5.5	140	16,300
6	150	14,000
7	175	13,000
8	200	11,400
9	230	10,600
10	250	9,100
12	300	7,550
14	350	5,250
16	400	4,500
18	450	4,000
20	500	3,500
22	550	3,000
24	600	2,750
26	650	2,700
28	700	2,500





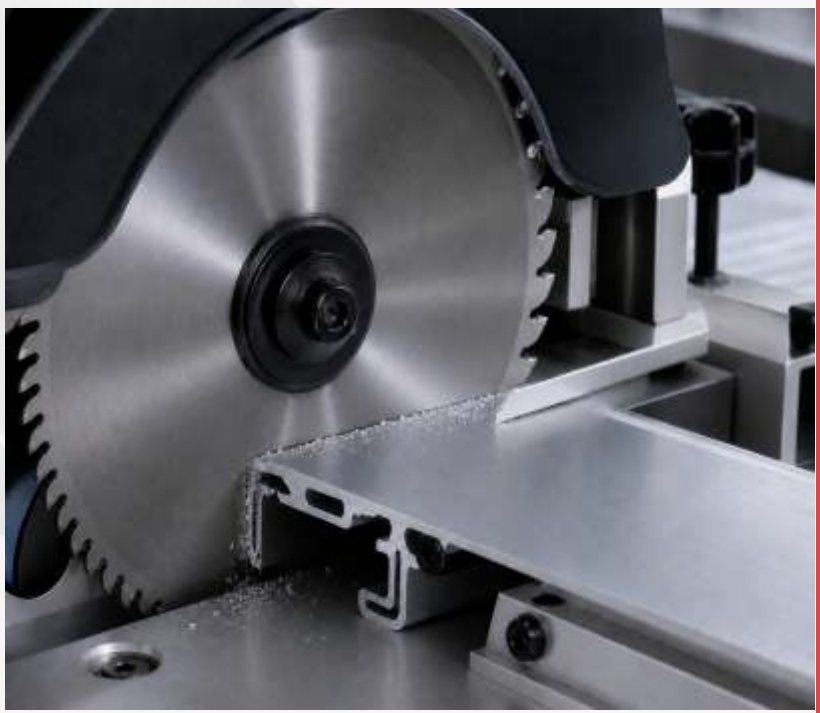
PCD SAW BLADESS FOR METAL APPLICATIONS

D mm	k mm	bo mm	Z	ID Nr
200	3.2	30	36	RX-A-010
200	3.2	30	48	RX-A-020
250-315	3.2	30	48	RX-A-030
250-315	3.2	30	60	RX-A-040
300-315	3.2	30	72	RX-A-050
300-315	3.2	30	84	RX-A-060
300-315	3.2	30	96	RX-A-070
350	3.5	30	54	RX-A-080
350	3.5	30	72	RX-A-090
350	3.5	30	84	RX-A-100
350	3.5	30	96	RX-A-110
350-450	4.4	30-80	48	RX-A-120
350-450	4.4	30-80	54	RX-A-130
350-450	4.4	30-80	60	RX-A-140
350-450	4.4	30-80	72	RX-A-150
350-450	4.4	30-80	96	RX-A-160

Custom sizes and dimensions available on request.

PCD saw blades offer exceptional performance when cutting non-ferrous metals such as aluminum, brass, and copper. Compared to traditional carbide tooling, PCD delivers significantly longer tool life, maintaining a sharper cutting edge for extended production runs and reducing the frequency of tool changes.

The superior hardness of PCD results in extended run time and reduced burr formation; minimizing the need for secondary operations. Its resistance to wear and heat buildup also allows for higher cutting speeds and increased productivity without compromising accuracy.



For high-volume precision applications, PCD saw blades provide a cost-effective solution by lowering downtime, improving consistency, and maximizing overall efficiency.

We offer these PCD saw blades with geometry specially designed to cut non-ferrous metals.

SAW BLADES
ENGINEERED FOR EXCELLENCE



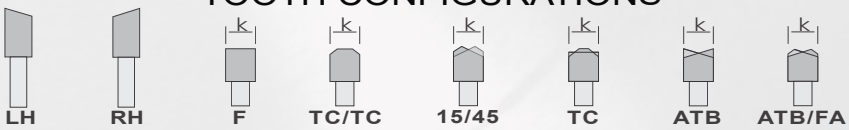
Precision. Performance. Reliability.

Saw blades designed for use on both horizontal and vertical machines, with or without pre-scoring, for cutting MDF, hardwoods, laminated boards, plywood, plastics, and other engineered materials.

A variety of tooth configurations are available to ensure clean cuts and superior finish quality across a wide range of applications.



TOOTH CONFIGURATIONS

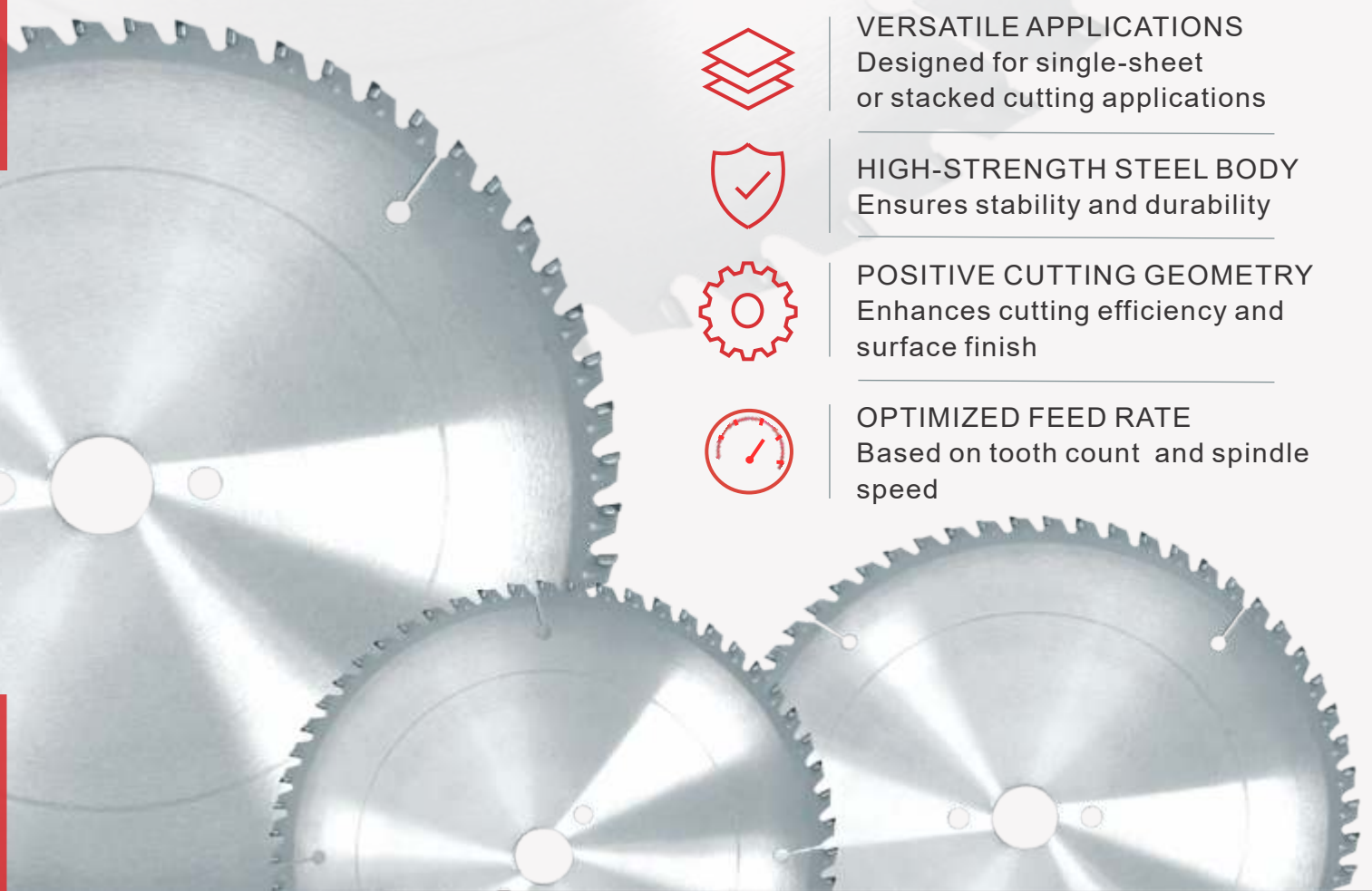


VERSATILE APPLICATIONS
Designed for single-sheet or stacked cutting applications

HIGH-STRENGTH STEEL BODY
Ensures stability and durability

POSITIVE CUTTING GEOMETRY
Enhances cutting efficiency and surface finish

OPTIMIZED FEED RATE
Based on tooth count and spindle speed







PCD PANEL SAW MAIN BLADES

D mm	k mm	bo mm	Z	ID Nr
200	3.2	30	36	RX-A-200
200	3.2	30	48	RX-A-220
250	3.2	30	48	RX-A-230
250	3.2	30	60	RX-A-240
250	3.2	30	72	RX-A-250
300	3.2	30	84	RX-A-260
300	3.2	30	96	RX-A-270
300	3.5	30	54	RX-A-280
300	3.5	30	72	RX-A-290
350	3.5	30	84	RX-A-300
350	3.5	30	96	RX-A-310
350	4.4	30-80	48	RX-A-320
350	4.4	30-80	54	RX-A-330
350	4.4	30-80	60	RX-A-340
400	4.4	30-80	72	RX-A-350
400	4.6	30-80	84	RX-A-360
400	4.8	30-80	84	RX-A-370
400	4.4	30-80	96	RX-A-380
450	4.4	30-80	72	RX-A-390
450	4.4	30-80	84	RX-A-400
450	4.8	30-80	72	RX-A-410
450	4.8	30-80	96	RX-A-420
500	4.4	30-80	60	RX-A-430
500	4.4	30-80	72	RX-A-440
500	4.8	30-80	60	RX-A-450
500	4.8	30-80	72	RX-A-460
500	4.8	30-80	84	RX-A-470
500	5.0	30-80	72	RX-A-480
500	5.0	30-80	96	RX-A-490
520	4.8	30-80	72	RX-A-500

Custom dimensions available on request.

BUILT TO SUIT

While common sizes are included for reference, most Surrey PCD saw blades are custom manufactured to meet your exact tooling, machine, and application requirements.



PCD SPLIT SCORING SAWS

D mm	k mm	bo mm	Z	ID Nr
100	2.8-3.6	20	12+12	PCD010
120	2.8-3.6	20	12+12	PCD020
120	2.8-3.6	22	12+12	PCD030
125	2.8-3.6	20	12+12	PCD040
125	2.8-3.6	22	12+12	PCD050
200	2.8-3.6	20	24+24	PCD060
200	4.3-5.3	20	24+24	PCD070



Built for ultra-clean scoring applications, Surrey PCD split scoring saw blades are designed to eliminate chipping and surface tear-out in laminated panels, MDF, melamine, and other engineered materials. Precision-manufactured for accurate alignment and consistent cutting performance, these blades provide exceptional wear resistance, extended tool life, and superior finish quality



CONSISTENT CUT QUALITY
Reduced downtime for blade changes and lower overall tooling costs

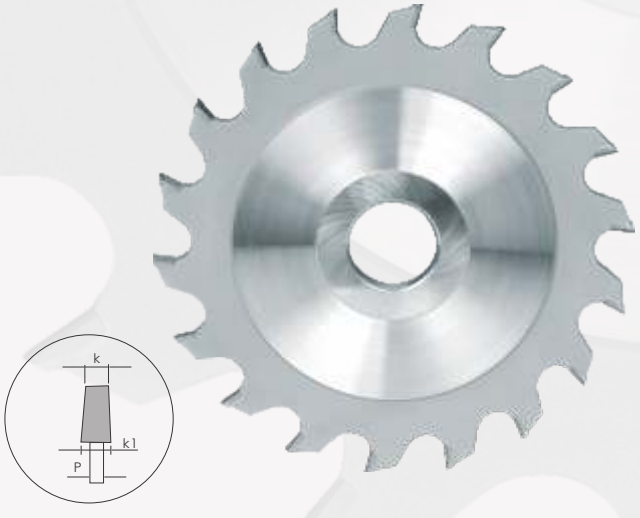
SUPERIOR EDGE RETENTION
Minimal tear-out and ability to maintain precision over extended runs

RELIABLE HIGH-EFFICIENCY SOLUTION
PCD main and scoring systems provide a reliable solution for demanding wood processing applications

PCD CONICAL SCORING SAW BLADES

D mm	k mm	k1 mm	bo mm	Z	Machine	ID Nr
125	3.2	4.0	20	20	Panhans	10200
150	4.4	5.2	30	24	SCM	10203
150	4.4	5.2	45	24	Holzma	10204
180	4.4	5.2	45	36	Holzma	10205
180	4.8	5.6	45	36	Holzma	10206
200	4.4	5.2	20	36	Schelling	10207
200	4.8	5.6	45	36	Holzma	10208
200	4.5	5.5	45	36	Holzma	10209
200	4.4	5.2	65	36	Selco	10210
200	4.8	5.6	65	36	Selco	10211

Custom dimensions available on request.



Built for precision and durability, Surrey PCD grooving saws deliver clean, accurate grooves with exceptional wear resistance and long tool life. Ideal for MDF, laminated panels, particleboard, plywood, and other engineered materials, these tools provide reliable performance in demanding production environments.

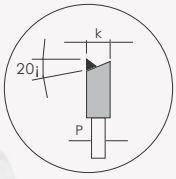
PCD FINISHING SAWS

Built for precision finish cutting, Surrey PCD finishing saw blades deliver exceptionally clean edges, superior cut quality, and extended tool life in demanding production environments. Ideal for laminated panels, melamine, MDF, particleboard, plywood, hardwood and other engineered materials, these blades are engineered to reduce chipping and maintain consistent performance while providing outstanding wear resistance and long-term cutting accuracy



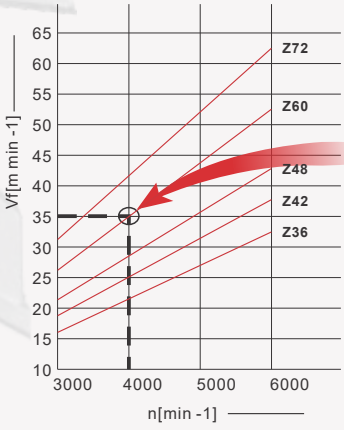
D mm	k mm	P mm	bo mm	Z	ID Nr
200	3.0	2.5	30	64	PCD080
230	2.2	1.7	25.4	80	PCD090
250	3.0	2.5	25.4	80	PCD100
250	2.2	1.7	25.4	100	PCD110
250	2.5	2.0	25.4	100	PCD120
275	3.0	2.5	25.4	84	PCD130
300	3.0	2.5	30	96	PCD140
300	3.0	2.5	30	100	PCD150
300	3.5	2.5	30	120	PCD160
330	3.5	2.5	30	120	PCD170
350	3.5	2.5	30	120	PCD180
450	3.5	2.5	60	120	PCD190

Custom dimensions available on request.



Tooth configuration for cutting hardwood and plywood

Vf diagram



Tool feed speed Vf depends on the number of teeth Z and on the speed of rotation.

Example
n=4000 min -1
Z=60 Vf =35 m min -1

ULTRA CLEAN FINISH

Eliminated chipping and surface tear-out for exceptional edge quality

VERSATILE APPLICATION

Ideal for hardwood and plywood

CONSISTENT PERFORMANCE

Precision Manufactured for accurate alignment and reliable results

EXTENDED TOOL LIFE

PCD tips provide outstanding wear resistance for long-lasting performance

MOULDER KNIFE SERVICES

Precision Manufactured & Expertly Serviced

Surrey provides complete moulder knife manufacturing, sharpening, and repair services for a wide range of woodworking applications. From brand-new custom profile sets to restoring existing tooling, our experienced team delivers precision craftsmanship and dependable performance.



Custom Profiles

Manufactured to your precise specifications for any moulder application



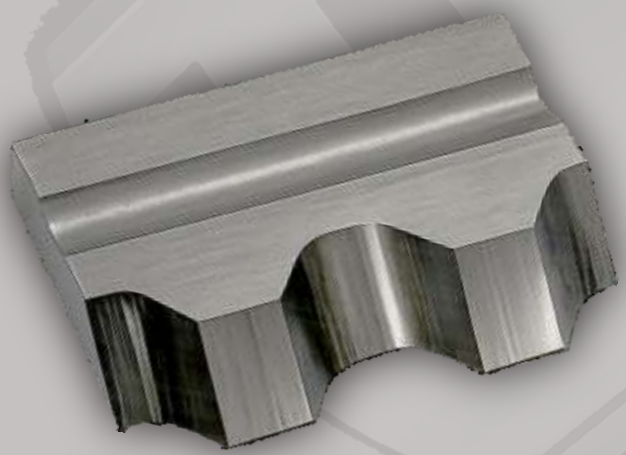
Sharpening & Repair

Sharpening and repair services to restore performance and extend your tool life



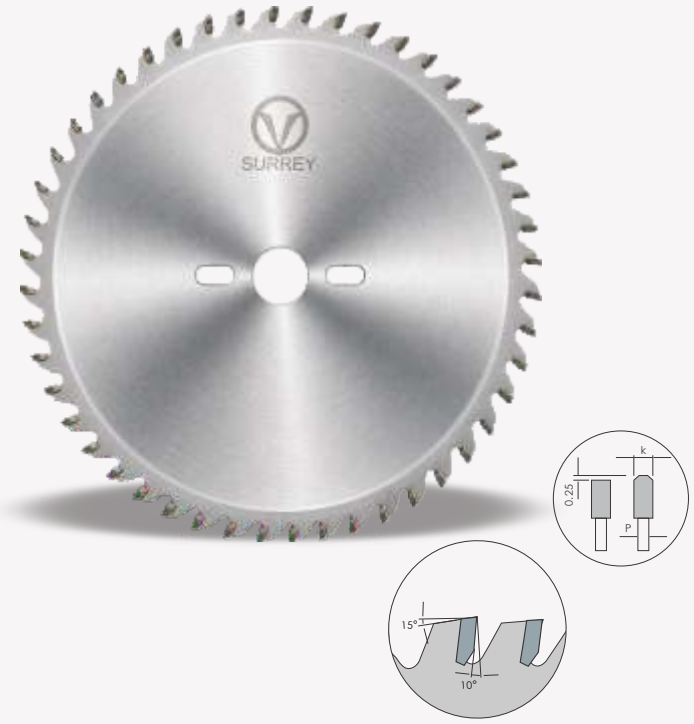
HSS / Carbide / Euro-back

Full capability across major knife styes including High Speed Steel, Inlay Carbide, Euro-back and Pro-cut inserts.



OUR CAPABILITIES

- Precision Profile Grinding
- Template Fabrication & Matching
- Quick Turnaround
- Custom Knife Design
- High Production Accuracy



TCT MAIN PANEL SAW BLADES

Precision, Durability, Consistent Performance

D mm	k mm	P mm	bo mm	Z	ID Nr
300	4.4	3.4	75	60	YT-C-010
300	4.4	3.4	75	72	YT-C-020
300	4.4	3.4	75	96	YT-C-030
350	4.4	3.4	75	72	YT-C-040
350	4.8	3.8	75	72	YT-C-050
380	4.8	3.8	60	72	YT-C-060
380	4.8	3.8	60	84	YT-C-070
400	4.4	3.4	75	72	YT-C-080
400	4.4	3.4	75	96	YT-C-090
430	4.8	3.8	60	84	YT-C-100
450	4.8	3.8	60	72	YT-C-110
450	4.8	3.8	60	84	YT-C-120

Custom dimensions available on request.

BUILT FOR PERFORMANCE

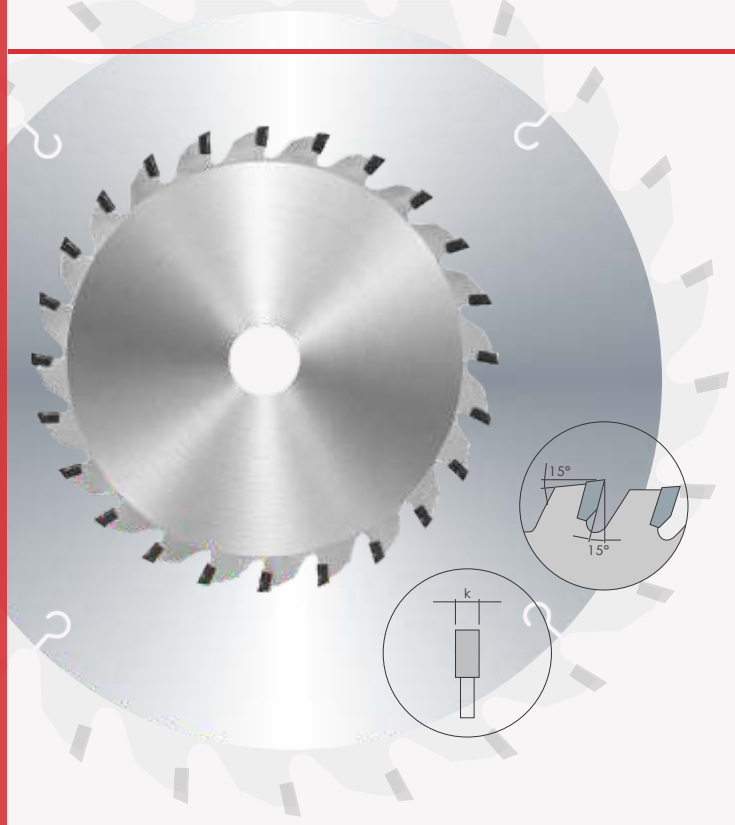
Designed for cutting particleboard, MDF, HPL, coated panels, and solid wood.



PRECISION TOOLS FOR WOODWORKING

- Saws (and tip replacement)
- Cutters
- Planer Knives
- Router Bits
- Spirals
- Drill Bits
- Profile Knives
- Groovers

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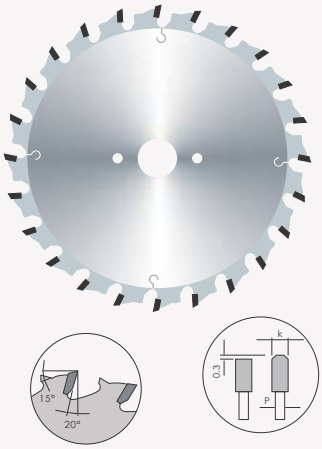


TCT GROOVERS

Precision Engineered Tungsten Carbide tipped groovers deliver clean, accurate grooves in a variety of wood-based materials Ideal for cutting flat bottom grooves in panel sizing, CNC routing, and specialty woodworking applications.

D mm	k mm	bo mm	Z	ID Nr
80	2.0-3.0	25.4/30	12	YT-H-010
120	2.0-5.0	25.4/30	12	YT-H-020
150	2.0-6.0	25.4/30	24	YT-H-030
160	2.0-6.0	25.4/30	24	YT-H-040
180	2.0-6.0	25.4/30	36	YT-H-050
200	3.0-7.0	25.4/30	20-40	YT-H-060
250	3.0-10	25.4/30	24-60	YT-H-070
280	3.0-10	25.4/30	24-60	YT-H-080
300	3.5-10	25.4/30	28-60	YT-H-090

Custom dimensions available on request.



TCT RIP SAW BLADES

Anti-kick back design provides smoother cutting, reduced kickback, and improved safety. Designed for rip cutting in hardwood, softwood, and wood-based panel material.

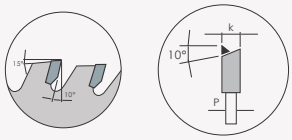
D mm	k mm	P mm	bo mm	Z	ID Nr
250	3.2	2.2	30/70	22	YT-J-010
250	3.2	2.2	30/70	24	YT-J-020
300	3.2	2.2	30/70	24	YT-J-030
300	3.2	2.2	30/70	28	YT-J-040
350	3.5	2.5	30/70	30	YT-J-050
400	4.0	3.0	30	34	YT-J-060

Custom dimensions available on request.



TCT VARIETY SAW BLADES

Multipurpose blades designed for a wide range of cutting applications, including rip, crosscut, and general woodworking applications.



D mm	k mm	P mm	bo mm	Z	ID Nr
250	3.2	2.2	30	60	YT-A-010
300	3.2	2.2	30	48	YT-A-020
300	3.2	2.2	30	60	YT-A-030
300	3.2	2.2	30	72	YT-A-040
300	3.2	2.2	30	80	YT-A-050
300	3.2	2.2	30	72	YT-A-060
300	3.2	2.2	30	80	YT-A-070
300	3.2	2.2	30	96	YT-A-080
350	3.5	2.5	30	72	YT-A-090
350	3.5	2.5	30	84	YT-A-100
350	3.5	2.5	30	108	YT-A-110
400	4.6	3.6	30	60	YT-A-120

Custom dimensions available on request.

ACCURATE GROOVES

Precision-ground teeth provide clean, consistent grooves and cuts.

ANTI-KICK BACK DESIGN

Engineered for smoother cutting, reduced kickback, and improved safety.

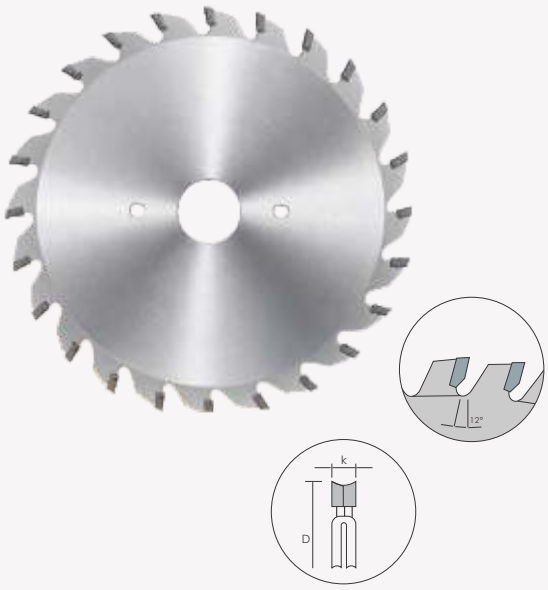
VERSATILE APPLICATION

Ideal for a wide range of wood-based materials and machine types.

LONG TOOL LIFE

Premium Tungsten Carbide tips for extended wear resistance and durability.

TCT SPLIT SCORING SAW BLADES



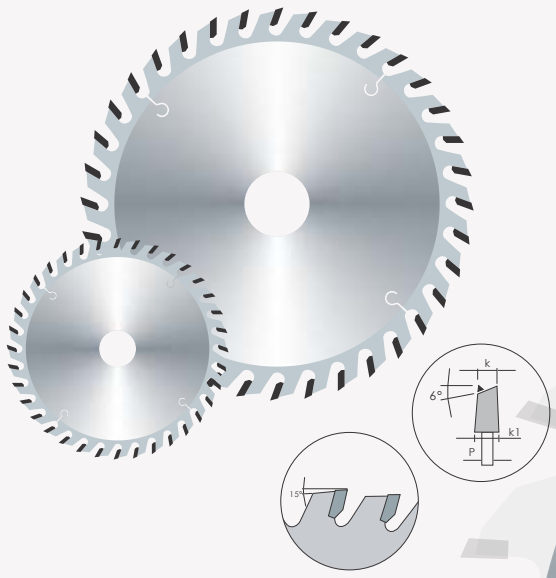
D mm	k mm	bo mm	Z	ID Nr
100	2.8-3.6	20	12+12	YT-B-010
120	2.8-3.6	20	12+12	YT-B-020
120	2.8-3.6	22	12+12	YT-B-030
125	2.8-3.6	20	12+12	YT-B-040
125	2.8-3.6	22	12+12	YT-B-050
200	2.8-3.6	20	24+24	YT-B-060
200	4.3-5.3	20	24+24	YT-B-070

Custom dimensions available on request.

Tooth Shape: Alternating LH & RH teeth

Used for: Pre-scoring a variety of paper coated particle boards, chip board, MDF, Plywood, and Hardwoods
**Always shim the split scorer to be slightly wider than the main blade to avoid bottom chip out.

TCT CONICAL SCORING SAW BLADES



D mm	k mm	k1 mm	P mm	bo mm	Z	ID Nr
120	2.8	4.0	2.2	20/22	24	YT-L-010
120	3.1	4.1	2.2	20/22	24	YT-L-020
120	3.4	4.4	2.2	20/22	24	YT-L-030
125	3.1	4.1	2.2	20/22	24	YT-L-040
125	3.4	4.4	2.2	20/45	24	YT-L-050
125	4.3	5.3	3.0	20/45	24	YT-L-060
150	3.4	4.4	2.2	30	36	YT-L-070
150	4.3	5.3	3.0	30/45	36	YT-L-080
150	4.5	5.5	3.0	30/45	36	YT-L-090
160	4.3	5.3	3.0	45/55	28	YT-L-100
160	4.3	5.3	3.0	45/55	36	YT-L-110
180	4.6	5.6	3.0	20/45	36	YT-L-120
200	4.6	5.6	3.0	20/45	36	YT-L-130
300	4.3	5.3	3.2	50	48	YT-L-140
300	4.3	5.3	3.2	50	60	YT-L-150
300	4.3	5.3	3.2	50	80	YT-L-160

Custom dimensions available on request.

Tooth Shape: Conical ATB

Used for: Scoring to eliminate bottom chip out

CLEAN FINISH

Scoring saws reduce tear-out and deliver superior finish quality.

PRECISION SCORING

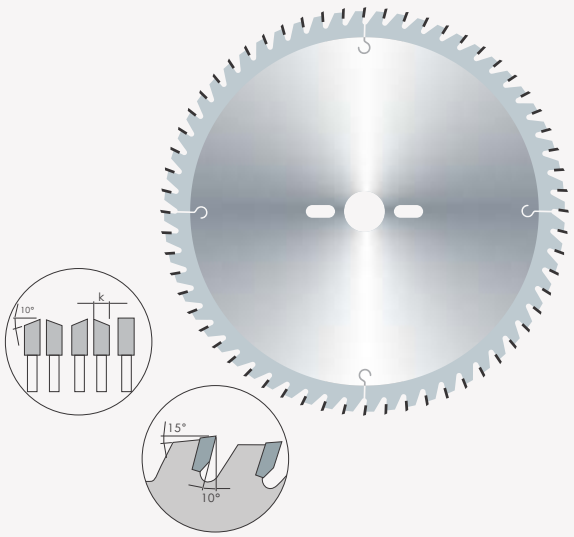
Helps prevent chipping on bottom side of the finished panel.

WIDE COMPATIBILITY

Suitable for a variety of panel materials and processing machines.

RELIABLE PERFORMANCE

Designed for consistent results and long-term productivity.

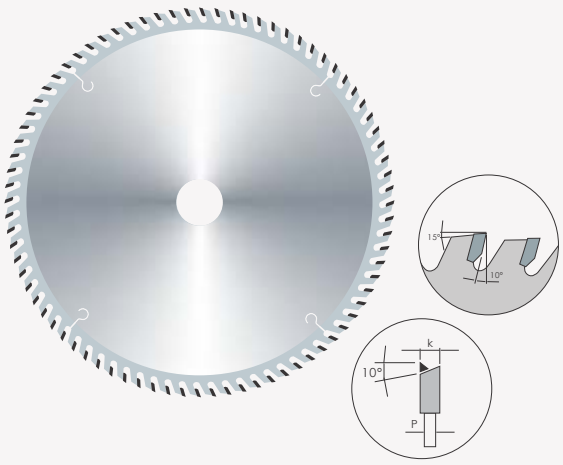


TCT SAW BLADES 4+1 WITH FLAT RAKER

D mm	k mm	P mm	bo mm	Z	ID Nr
200	3.0	2.0	25.4	40	YT-E-010
200	3.0	2.0	25.4	60	YT-E-020
230	3.0	2.0	25.4	40	YT-E-030
230	3.0	2.0	25.4	60	YT-E-040
250	3.2	2.2	25.4/30	60	YT-E-050
250	3.0	2.0	25.4/30	80	YT-E-060
280	3.0	2.0	25.4/30	90	YT-E-070
300	3.2	2.2	25.4/30	72	YT-E-080
300	3.2	2.2	25.4/30	80	YT-E-090

Custom dimensions available on request.

Tooth Shape: Left, Right, Left, Right, Flat



TCT SAW BLADES FOR CUTTING PLYWOOD

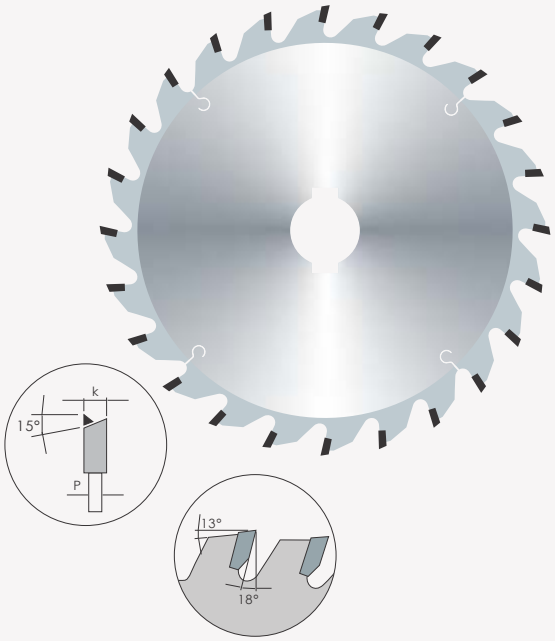
D mm	k mm	P mm	bo mm	Z	ID Nr
250	3.2	2.2	25.4	80	YT-F-010
250	3.2	2.2	25.4	100	YT-F-020
250	3.2	2.2	25.4	120	YT-F-030
280	3.2	2.2	25.4/30	120	YT-F-040
300	3.2	2.2	25.4/30	100	YT-F-050
300	3.2	2.2	25.4/30	120	YT-F-060

Custom dimensions available on request.

Tooth Shape: Alternating Top Bevel (ATB)

3+1 Left Hand

3+1 Right Hand



TCT SIZING SAW BLADES FOR CUTTING SOLID WOOD

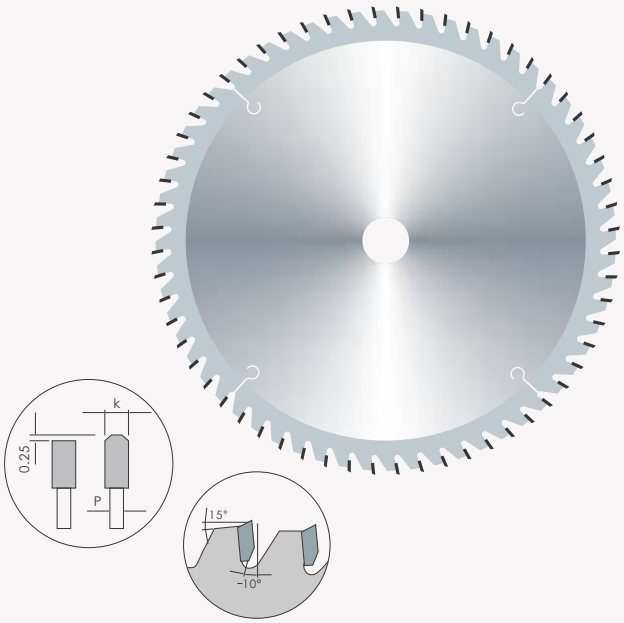
D mm	k mm	P mm	bo mm	Z	ID Nr
180	3.0	2.0	25.4/30	36	YT-G-010
200	3.0	2.0	25.4/30	40	YT-G-020
230	3.0	2.0	25.4/30	40	YT-G-030
300	3.2	2.2	30	24	YT-G-040
300	3.2	2.2	30	48	YT-G-050
350	3.5	2.5	30	32	YT-G-060
350	3.5	2.5	30	42	YT-G-070
350	3.5	2.5	30	54	YT-G-080
400	3.5	2.5	30	60	YT-G-090
450	4.5	3.5	30	60	YT-G-100
500	4.5	3.5	30	60	YT-G-110

Custom dimensions available on request.

Tooth Shape: ATB

Used on: Table saws, tennon machines, vertical and horizontal sliding saws for sizing panels

TCT SAW BLADES WITH NEGATIVE HOOK FOR CUTTING NON-FERROUS METALS



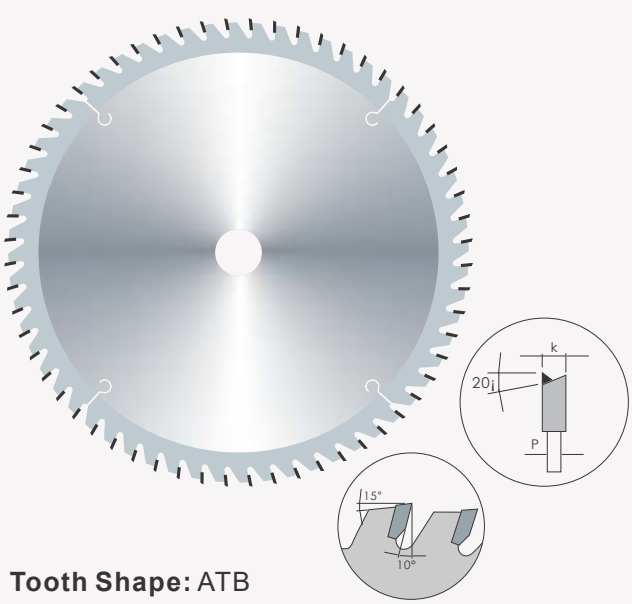
Tooth Shape: TC, Square and triangular tooth

Used for: Cutting aluminum, brass, and copper

D mm	k mm	P mm	bo mm	Z	ID Nr
205	2.0	1.5	25.4	100	YT-K-010
255	2.2	1.7	25.4	100	YT-K-020
255	3.0	2.5	25.4	80	YT-K-030
305	3.0	2.5	25.4	100	YT-K-040
305	2.5	2.0	25.4	100	YT-K-050
305	2.5	2.0	25.4	120	YT-K-060
355	3.2	2.7	25.4	110	YT-K-070
355	3.0	2.5	25.4	120	YT-K-080
355	3.8	3.3	25.4	120	YT-K-090
405	3.0	2.5	25.4	120	YT-K-100
405	3.4	2.9	25.4	120	YT-K-110
405	3.8	3.3	25.4	120	YT-K-120
405	4.3	3.8	25.4	120	YT-K-130
420	4.0	3.5	25.4	100	YT-K-140
455	4.3	3.8	25.4	120	YT-K-150
500	4.5	4.0	25.4	120	YT-K-160
550	4.8	4.3	25.4	120	YT-K-170
600	5.0	4.5	30	128	YT-K-180
650	5.5	5.0	30	128	YT-K-190
700	6.0	5.5	30	144	YT-K-200
750	6.0	5.5	30	144	YT-K-210
800	6.5	6.0	30	72	YT-K-220

Custom dimensions available on request.

TCT FINISHING SAW BLADES



Tooth Shape: ATB

Used for: Cutting plastics, plexiglass, and miters in solid wood.

D mm	k mm	P mm	bo mm	Z	ID Nr
200	3.0	2.5	30	64	YT-I-010
230	2.2	1.7	25.4	80	YT-I-020
250	3.0	2.5	25.4	80	YT-I-030
250	2.2	1.7	25.4	100	YT-I-040
250	2.5	2.0	25.4	100	YT-I-050
275	3.0	2.5	25.4	84	YT-I-060
300	3.0	2.5	30	96	YT-I-070
300	3.0	2.5	30	100	YT-I-080
300	3.5	2.5	30	120	YT-I-090
330	3.5	2.5	30	120	YT-I-100
350	3.5	2.5	30	120	YT-I-110
450	3.5	2.5	60	120	YT-I-120

Custom dimensions available on request.

6466 Virginia Avenue, Bassett, Virginia 24055 | (276) 627-1321 | sptiinfo@surreytooling.com

HIGH PERFORMANCE
DIAMOND ROUTER BITS
FOR CNC APPLICATIONS

New innovations in hard surface materials such as Melamine, Formica, OSB, paper, and natural wood veneers can cause traditional tools to chip and/or cause performance problems. They can also result in poor edge finish quality on the material.

By using high quality PCD tooling, manufacturers can lower their reject rates and improve their productivity. Surrey provides top quality diamond router bits that produce pristine edges (top and bottom) and will increase tool life far longer than traditional carbide tools.

We offer innovative staggered and spiral tooth designs that reduce both horsepower requirements and cutting pressures, thus allowing operation at higher feed rates. Our standard PCD router bits can be sharpened multiple times, which means more utilization for the end-user.

Our router bits are excellent for use on hardwoods, composite materials, and synthetic materials An anti-rust and non-stick finish improves performance and life of the tool.



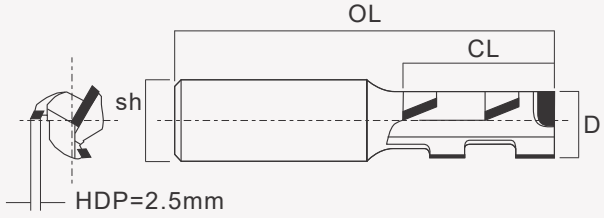
Many of our high performance PCD tools are also available as disposables. We would be happy to provide a quote, at your request.



PCD ROUTER BITS 1+1 WING

D mm	CL mm	sh mm	OL mm	ID Nr RH
12	25	12	75	20101
12	35	12	85	20102
16	25	16	85	20103
16	35	16	95	20104
16	43	16	103	20105
16	25	20	85	20106
16	35	20	95	20107
16	43	20	103	20108
18	25	16	85	20109
18	35	16	96	20110
18	43	16	103	20111
18	25	20	85	20112
18	35	20	96	20113
18	43	20	103	20114
18	25	25	90	20115
18	35	25	100	20116
18	43	25	108	20117
20	25	20	85	20118
20	35	20	95	20119
20	43	20	103	20120
20	25	25	90	20121
20	35	25	100	20122
20	43	25	108	20123

Left hand tools and custom dimensions available on request.



IMPERIAL SIZES 1+1 WING

D inch	CL inch	sh inch	OL inch	ID Nr RH
1/2	7/8	1/2	2-3/4	20124
1/2	1	1/2	3-3/8	20130
1/2	1	1/2	3	20133
1/2	1-1/4	1/2	3-1/2	20131
1/2	1-1/2	1/2	3-3/8	20132
1/2	1-3/8	1/2	2-3/4	20125
1/2	1-5/8	1/2	3-1/2	20134
5/8	1-1/8	5/8	3-5/8	20126
5/8	1-1/2	5/8	3-3/4	20127
3/4	1-3/8	3/4	4	20128
3/4	1-7/8	3/4	4-3/8	20129

Left hand tools and custom dimensions available on request.

TECHNICAL INFORMATION FOR NESTING ROUTERS:

- Three full PCD cutting edges distributed across six helical wings.
- Tool body manufactured from specially hardened steel or Densimet.
- PCD tip height: 2.5 mm.
- Available in positive- or negative configurations.
- Equipped with a PCD plunge tip.
- Designed for high feed rates, excellent edge quality, and quiet operation
- Recommended for chipboard, MDF, and plywood



PCD NESTING ROUTER BITS 3+3+1 WING

Positive tip pattern

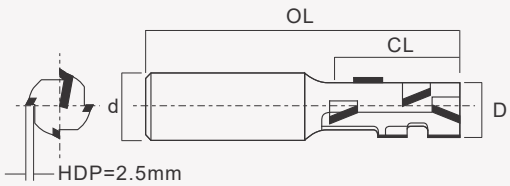
Negative tip pattern

D mm	CL mm	sh mm	ID Nr RH
POSITIVE:			
12	19	12	00200
12	24	12	00201
12.7	19.05	12.7	00202
12.7	25.4	12.7	00203
NEGATIVE:			
12	19	12	00204
12	24	12	00205
12.7	19.05	12.7	00206
12.7	25.4	12.7	00207
16	35	16	00208

Custom dimensions available on request.

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PCD ROUTER BITS 2+2 WING

D mm	CL mm	d mm	OL mm	ID Nr RH
18	28	20	85	20150
18	35	20	95	20151
20	28	20	100	20152
20	35	20	110	20153
20	43	20	120	20154
20	28	25	100	20155
20	35	25	110	20156
20	43	25	120	20157
25	28	25	100	20158
25	35	25	110	20159
25	43	25	120	20160

IMPERIAL SIZES

D inch	CL inch	d inch	OL inch	ID Nr RH
1/2	1	1/2	2-3/4	20161
5/8	1	5/8	3-1/2	20162
3/4	1	3/4	3-1/2	20163
3/4	1-1/4	3/4	3-5/8	20176
3/4	1-3/4	3/4	4	20164
3/4	1-3/4	3/4	4-3/4	20165

Left hand tools and custom dimensions available on request.

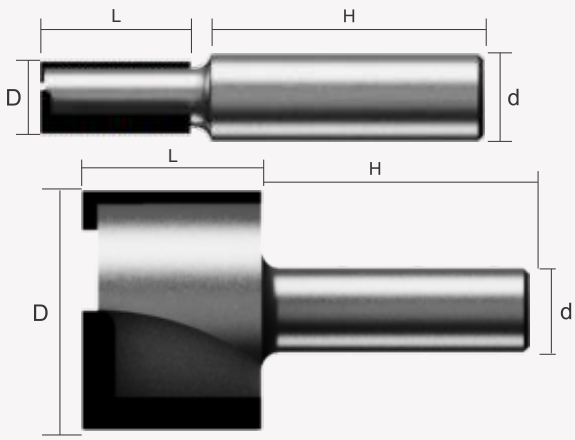
Straight router tools with segmented, alternate shear tip arrangement and PCD-plunge tip for chip-free panel processing. The economical tip design allows for multiple re-sharpenings under normal conditions.

Material: Particle board and MDF boards, both raw or with melamine, veneer and foil laminated, hardwoods etc.

PCD STRAIGHT PLUNGE ROUTER BITS 2 WING

D mm	CL mm	d mm	H mm	ID Nr RH
8	10-20	12.7	45	00300
10	10-25	12.7	45	00301
12	10-30	12.7	45	00302
12.7	10-30	12.7	45	00303
15	10-18	12.7	45	00330
20	14-22	12.7	45	00331
25	22-30	12.7	45	00332
30	7-30	12.7	45	00333
35	7-35	12.7	45	00334
40	7-40	12.7	45	00335

- For boring and edging
- Diameters 12.7-25 -PCD boring tip
- Low noise emission due to positioning of the cutting tips
- Optimum wood chip ejection for diameter ¦ 25 mm
- Excellent panel-edge finish
- Routers supplied with adjustment screw if requested
- Variation Plunge points available in carbide or PCD



EXTREME DURABILITY

PCD cutting edges deliver exceptional wear resistance for long too life and reduced downtime.

PRECISION PERFORMANCE

Engineered for superior accuracy and clean edges on every cut, even in demanding applications

LONG LASTING VALUE

Re-sharpenable PCD tips provide 6-8 sharpenings, maximizing tool life and lowering cost per cut.

CONSISTENT QUALITY

Maintains sharpness longer for consistent results and excellent surface finish on every panel.

Routers featuring a 3+3 tip configuration are engineered for high-speed, high-production applications. The segmented, alternating shear-tip design delivers efficient cutting performance, while the integrated PCD plunge tip supports clean, chip-free panel processing

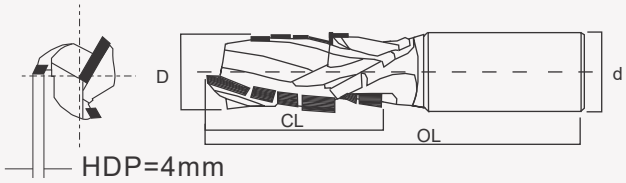


PCD ROUTER BITS 3 WING, UP-CUT

D mm	CL mm	d mm	OL mm	ID Nr RH
20	28	20	90	20266
20	37	20	96	20267
20	45	20	105	20268
20	28	25	96	20269
20	37	25	105	20270
20	45	25	105	20271
25	28	25	96	20272
25	37	25	105	20273
25	45	25	113	20274
25	55	25	123	20275

PCD ROUTER BITS 3+3 WING COMPRESSION

D mm	CL mm	d mm	OL mm	ID Nr RH
20	28	20	90	20166
20	37	20	96	20167
20	45	20	105	20168
20	28	25	96	20169
20	37	25	105	20170
20	45	25	105	20171
25	28	25	96	20172
25	37	25	105	20173
25	45	25	113	20174
25	55	25	123	20175

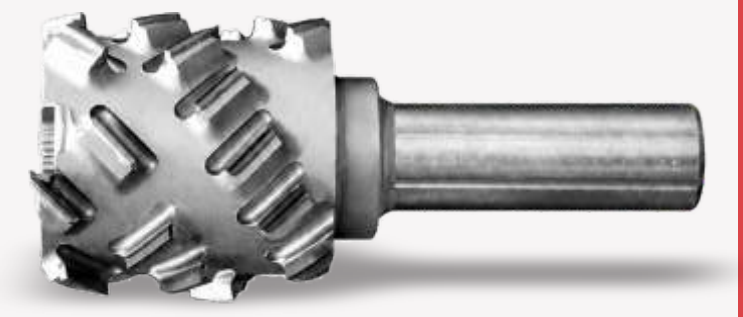


PCD ROUTER BITS 3 WING, DOWN-CUT

D inch	CL inch	d inch	OL inch	ID Nr RH
1/2	7/8	1/2	2-3/4	20181
3/4	7/8	3/4	3-1/2	20176
3/4	1-3/8	3/4	3-3/4	20177
1	1-3/4	3/4	4-1/8	20178
1	7/8	1	3-1/2	20179
1	1-3/8	1	3-3/4	20180

PCD ROUTER BITS 4+2+4 WING COMPRESSION

D mm	CL mm	d mm	Teeth	ID Nr
48	22	19.05/20	4+2+4	40101
48	28	19.05/20	4+2+4	40102
48	35	19.05/20	4+2+4	40103
48	48	19.05/20	4+2+4	40104



Left hand tools and custom dimensions available on request.

IDEAL FOR HARD MATERIALS

Perfect for MDF, melamine particle board, laminates veneer, and other abrasive panel products.

LOW NOISE CUTTING

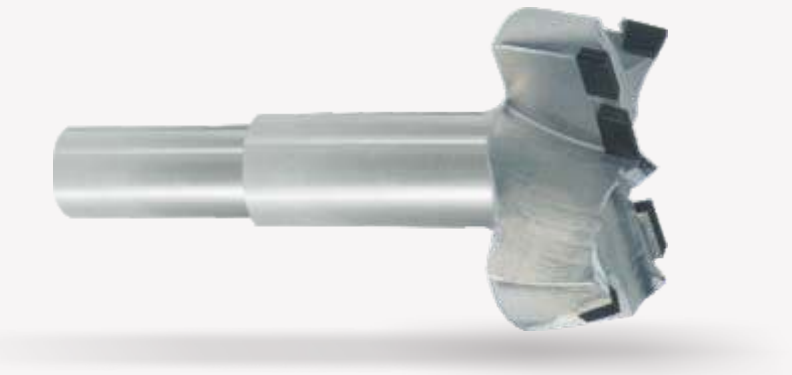
Optimized tip geometry reduces noise and vibration for smoother, quieter machining.

SUPERIOR CHIP EJECTION

Designed for efficient chip clearance, reducing heat build-up and improving cutting performance

HIGH PRODUCTIVITY

High-feed, high-speed performance for faster machining and increased turnout



PCD HINGE BORING BITS

D mm	CL mm	d mm	OL mm	Z	ID Nr
15	32	10	57	2+2	01700R/L
26	32	10	57	2+2	01701R/L
30	32	10	57	2+2	01702R/L
35	32	10	57	2+2	01703R/L
40	32	10	57	2+2	01704R/L
30	45	10	70	2+2	01705R/L
35	45	10	70	2+2	01706R/L
40	45	10	70	2+2	01707R/L

Custom dimensions available on request.



PCD V-POINT BORING BITS

D mm	CL mm	d mm	OL mm	Z	ID Nr
5	32	10	57	1	01600R/L
6	32	10	57	1	01602R/L
6	45	10	70	1	01603R/L
7	32	10	57	1	01604R/L
7	45	10	70	1	01605R/L
8	32	10	57	1	01606R/L
8	45	10	70	1	01607R/L
9	32	10	57	1	01608R/L
10	45	10	70	1	01611R/L
12	32	10	57	1	01612R/L
12.7	45	10	70	1	01613R/L

Custom dimensions available on request.

PCD T-SLOT ROUTER BITS

D mm	CL mm	d mm	OL mm	ID Nr RH	ID Nr LH
35	22	12	90	RX-I-010	RX-I-013
35	22	12.7	80	RX-I-020	RX-I-023
35	22	16	80	RX-I-030	RX-I-033
35	22	20	70	RX-I-040	RX-I-043

Custom dimensions available on request.



ADVANCED CNC OPERATIONS

- State-of-the-art CNC equipment
- Precision grinding technology
- Quality control at every step
- Custom Tooling Solutions



PCD Service Department at Surrey Precision Tools



PCD MDF DOOR PROFILE ROUTER BITS

D inch	sh inch	OL inch	Z	PS	ID Nr RH
1/2	1/2	2-1/8	2	E1	90001
1/2	1/2	2-1/8	2	E2	90002
1/2	1/2	2-1/8	2	E3	90003
1/2	1/2	2-1/8	2	E4	90004
1/2	1/2	2-1/8	2	E5	90005
1/2	1/2	2-1/8	2	S1	90006
1/2	1/2	2-1/8	2	S2	90007
1/2	1/2	2-1/8	2	S3	90008
1/4	1/2	2-1/8	2	S1F	90009
1/4	1/2	2-1/8	2	S2F	90010
1/4	1/2	2-1/8	2	S3F	90011
3/8	1/2	2-1/8	2	RP1	90012
3/8	1/2	2-1/8	2	RP2	90013
3/8	1/2	2-1/8	2	RP3	90014

Left hand tools and custom dimensions available on request.

Material: MDF, chip board or solid wood board

Technical Information:

Cutting material: PCD

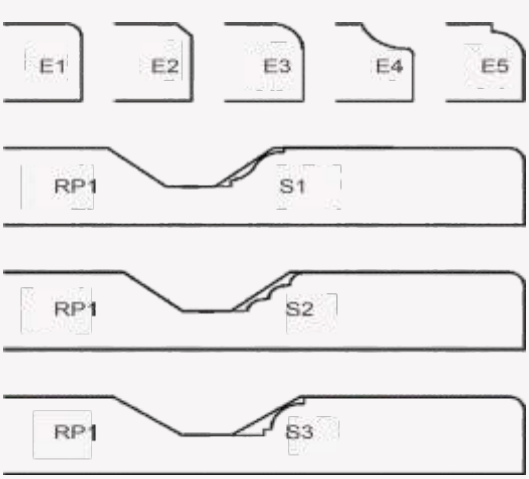
Cutting geometry: POSITIVE

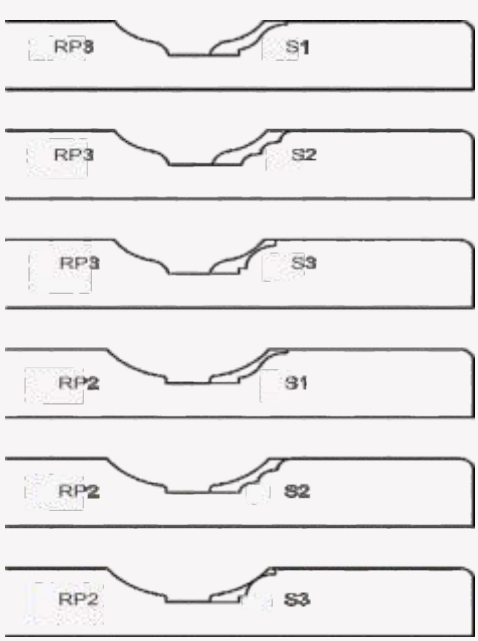
Tooth seating: STRAIGHT

With a broad selection of standard profiles for 3/4" MDF door manufacturing, you'll be able to combine profiles for a unique look. Or send us drawings or samples of specific profiles and we will be glad to offer a quote for custom tooling.

STANDARD PROFILE SERIES

Standard edge profile router bits, E1-E5, are designed for nesting applications, with the cutting edge extending 0.006" into the spoil board.





SUPERIOR EDGE FINISH

Clean, accurate cuts with excellent edge quality.

PRODUCTION EFFICIENCY

High performance tools engineered for maximum throughput.

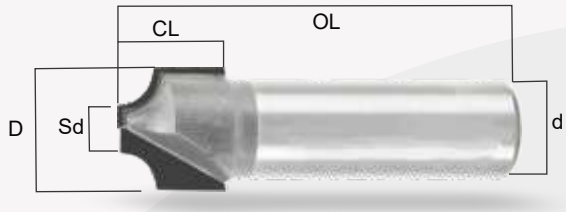
APPLICATION FLEXIBILITY

Versatile solutions for a wide range of materials and applications.

Engineered for Your Application

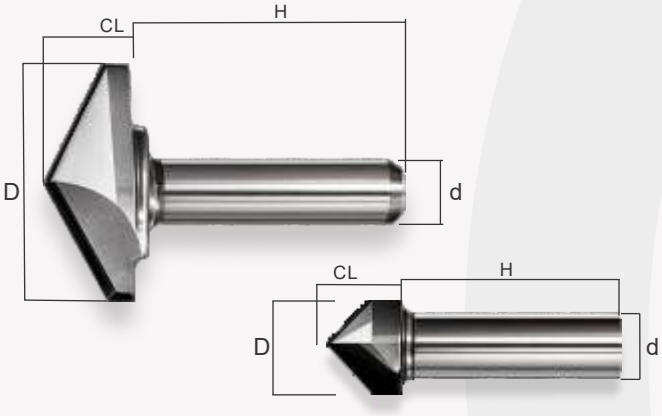
Standard & Custom Dimensions Available

Surrey Precision Tools can design and manufacture a wide range of custom PCD profile tooling tailored to your specific machining requirements. Whether you need standard profiles or fully custom geometries, our precision-engineered tooling delivers superior edge quality, extended tool life, and consistent high-performance results across a variety of material and applications.



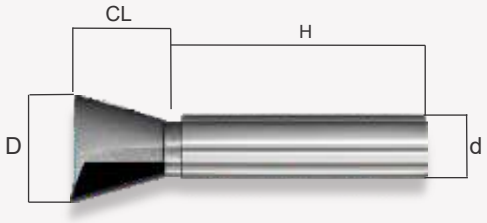
PCD ROUNDOVER ROUTER BITS

R mm	D mm	d mm	Sd mm	CL mm	OL mm	Z	ID Nr
2	28	12.7	8	13	38	2	RX-F-010
2.5	28	12.7	8	13	38	2	RX-F-020
3	28	12.7	8	13	38	2	RX-F-030
4	28	12.7	8	13	38	2	RX-F-040
5	28	12.7	8	13	38	2	RX-F-050
6.35	28	12.7	8	13	38	2	RX-F-060



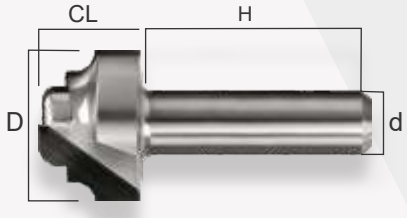
PCD GROOVE ROUTER BITS

D mm	CL mm	d mm	H mm	Angle	ID Nr
16	15/20	12.7	45	60°-90°	00350
20	20/25	12.7	45	60°-90°	00351
24	12/16	12.7	45	90°-120°	00352
30	12/16	12.7	45	90°-150°	00353
36	20/25	12.7	45	90°-150°	00354
40	15/25	12.7	45	90°-150°	00400
46	15/25	12.7	45	90°-150°	00401
50	20/30	12.7	45	90°-130°	00402
56	20/30	12.7	45	90°-130°	00403
60	20/35	12.7	45	90°-160°	00404



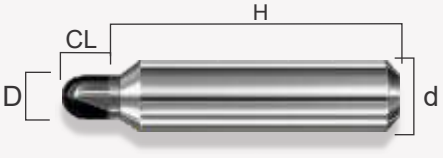
PCD DOVETAIL ROUTER BITS

D mm	CL mm	d mm	H mm	ID Nr
12.7	12	12.7	80	00450
12.7	12	12.7	80	00451



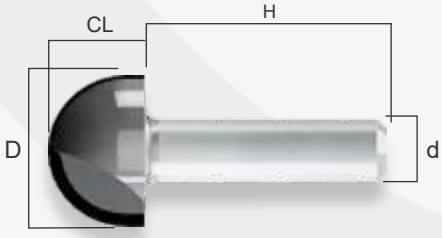
PCD CLASSIC ROUND BOTTOM ROUTER BITS

D mm	CL mm	d mm	H mm	ID Nr
12-50	10-30	12.7	50-80	00500
12-50	10-30	12	50-80	00501



PCD BEADING ROUTER BITS

D mm	CL mm	d mm	H mm	R mm	ID Nr
6	5-10	12.7	45	3-3.5	00550
8	5-10	12.7	45	3-4	00551
10	5-10	12.7	45	4-5	00552
12	7-15	12.7	45	6-10	00553



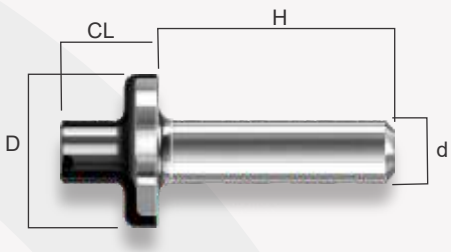
PCD COVE ROUTER BITS

D mm	CL mm	d mm	H mm	R mm	ID Nr
16	10-15	12.7	45	8-10	00600
20	10-15	12.7	45	8-10	00601
30	15-20	12.7	45	15-20	00602
38	20-25	12.7	45	15-20	00603

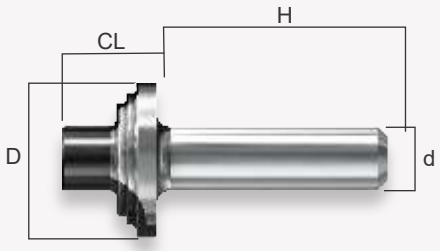
PCD PROFILE ROUTER BITS

CUSTOM PROFILES AVAILABLE

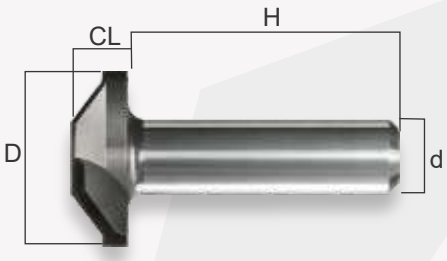
- Standard Profiles
- Custom Profiles
- PCD & Carbide Options
- Application-Specific Designs
- Fast Lead Times



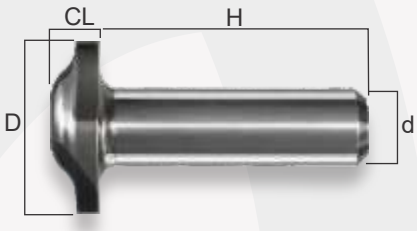
D mm	CL mm	d mm	H mm	ID Nr
20	23	12.7	45	00700
25	23	12.7	45	00701
30	23	12.7	45	00702



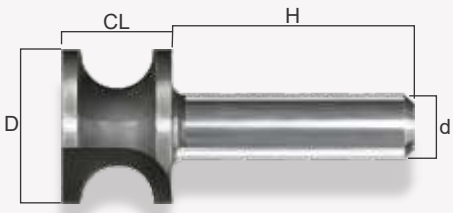
D mm	CL mm	d mm	H mm	ID Nr
35	28	12.7	45	00800
45	28	12.7	45	00801
50	28	12.7	45	00802



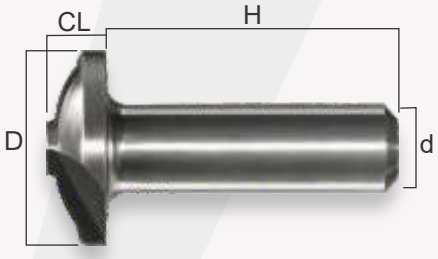
D mm	CL mm	d mm	H mm	ID Nr
30	15	12.7	45	00850
35	15	12.7	45	00851
40	15	12.7	45	00852



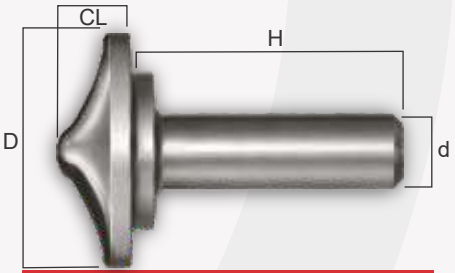
D mm	CL mm	d mm	H mm	ID Nr
45	11	12.7	45	00900
50	11	12.7	45	00901
55	11	12.7	45	00902



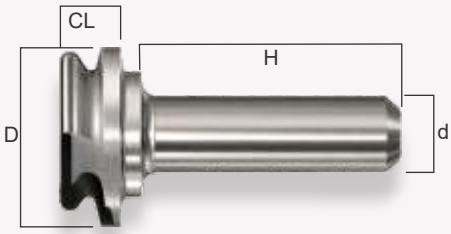
D mm	CL mm	d mm	H mm	ID Nr
30	28	12.7	45	00950
36	28	12.7	45	00951
40	28	12.7	45	00952



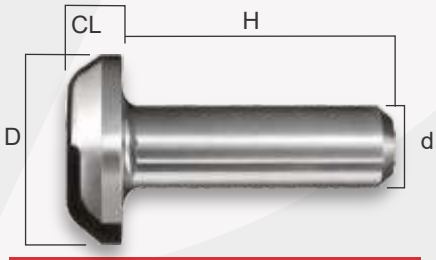
D mm	CL mm	d mm	H mm	ID Nr
35	12	12.7	45	01000
40	12	12.7	45	01001
45	12	12.7	45	01002



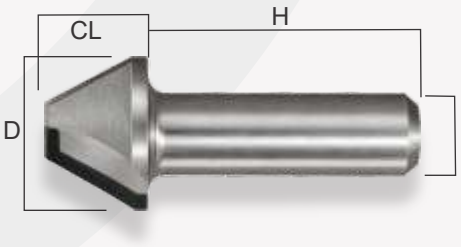
D mm	CL mm	d mm	H mm	ID Nr
50	15	12.7	45	01050
55	15	12.7	45	01051
60	15	12.7	45	01052



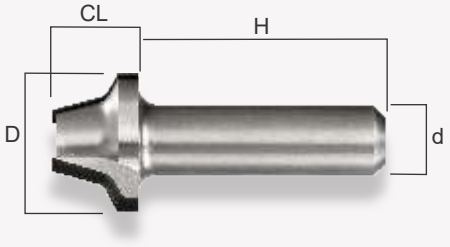
D mm	CL mm	d mm	H mm	ID Nr
30	20	12.7	45	01100
35	20	12.7	45	01101
40	20	12.7	45	01102



D mm	CL mm	d mm	H mm	ID Nr
35	12	12.7	45	01200
40	12	12.7	45	01201
45	12	12.7	45	01202



D mm	CL mm	d mm	H mm	ID Nr
10	14	12.7	45	01250
16	14	12.7	45	01251
20	14	12.7	45	01252



D mm	CL mm	d mm	H mm	ID Nr
25	24	12.7	45	01300
30	24	12.7	45	01301
35	24	12.7	45	01302

6466 Virginia Avenue, Bassett, Virginia 24055 | (276) 627-1321 | sptiinfo@surreytooling.com

SURREY Tungsten Carbide ROUTER BITS

Surrey offers a complete line of solid carbide router bits, engineered for performance, precision, and long tool life. Ideal for routing, profiling, slotting, and finishing in a wide range of materials and applications.



Additional sizes and custom dimensions are available upon request.

SOLID CARBIDE ROUTER BITS

D inch	CL inch	OL inch	Z	Desc.	ID Nr
1/4	1	2-1/2	2	CT STRAIGHT CUT	LD-4522
3/8	1-1/8	3	3	SC DOWN CUT EXTRA HEAVY DUTY	LD-4526
1/2	7/8	3	2	SC DOWN CUT ENDURANCE COATING	LD-4525
1/2	1-1/8	3	2+2	SC ENDURANCE COATING	LD-4529
1/2	1-3/8	3-1/2	2+2	SC MORTISE ENDURANCE COATING	LD-4524
1/2	1-3/8	3-1/2	2+2	SC MORTISE COMPRESSION ENDURANCE COATING	LD-4444
1/2	1-5/8	4	2+2	SC ENDURANCE COATING	LD-4528C
1/2	1-5/8	4	2+2	SC EXTENDED RUN	LD-4528
1/2	1-5/8	3-1/2	2+2	SC MORTISE COMPRESSION	LD-4523
3/4	2-1/8	5	3	SC DOWN CUT LOW HELIX HOGGER	LD-4530
3/4	2-1/4	5	2+2	SC EXTENDED LIFE	LD-4531

ROUGHER/FINISHER ROUTER BITS

D mm	CL mm	OL mm	Z	d mm	ID Nr
10	22	112	2+2	10	01800
10	28	118	2+2	10	01801
10	22	112	3+3	10	01802
10	28	118	3+3	10	01803
12	28	118	3+3	12	01804
12	38	128	3+3	12	01805
16	40	130	3+3	16	01806
16	45	135	3+3	16	01807



SPIRAL ROUTER BITS 1-WING DOWN-CUT

D mm	CL mm	OL mm	d mm	ID Nr
6	22	72	6	01900R/L
6	28	78	6	01901R/L
8	22	72	8	01902R/L
8	28	78	8	01903R/L
10	28	78	10	01904R/L
10	38	88	10	01905R/L
12.7	28	78	12.7	01906R/L
12.7	38	88	12.7	01907R/L



SPIRAL ROUTER BITS 2-WING UP-CUT

D mm	CL mm	OL mm	d mm	ID Nr
4	10	52	4	02000R/L
6	22	72	6	02001R/L
8	28	78	8	02004R/L
10	28	78	10	02005R/L
12.7	28	78	12.7	02007R/L
12.7	38	88	12.7	02008R/L
16	30	80	16	02009R/L
20	45	95	20	01261R/L



SPIRAL ROUTER BITS 3-3-WING COMPRESSION

D mm	CL mm	OL mm	d mm	ID Nr
10	22	72	10	02100R/L
10	28	78	10	02101R/L
12.7	28	78	12.7	02102R/L
12.7	38	88	12.7	02103R/L
16	30	80	16	02104R/L
16	40	90	16	02105R/L
20	40	90	20	02106R/L
20	50	100	20	02107R/L

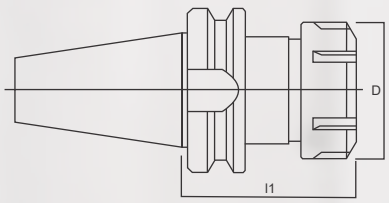






SPRING COLLETS AND TOOL HOLDERS

D mm	L mm	ID Nr
11.5	18	ER11-115
17	27.5	ER16-017
21	31.5	ER20-021
26	34	ER25-034
33	40	ER32-040
41	46	ER40-041
52	60	ER50-052
35	52	SYOZ25

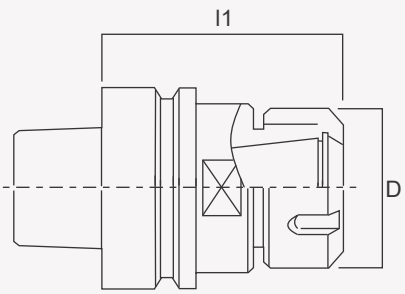


Other sizes available upon request



HSK COLLET CHUCKS

D mm	l1 mm	Collet	ID Nr
63	70	ER32	HSK6370
63	76	ER40	HSK6376
63	80	SYOZ25	HSK6380



HYDRAULIC SLEEVES

Surrey can supply Hydraulic Sleeves according to your requirements.



- High Clamping Force
- Excellent Runout Accuracy
- Vibration Clamping
- High Torque Transmission
- Long tool Life

SURREY Tungsten Carbide
BORING TOOLS



Surrey manufactures carbide-tipped and solid carbide boring tools for hinge boring, through boring, blind boring, and spoilboard surfacing applications. Available in right-hand and left-hand configurations with custom sizing available upon request.

THRU-HOLE BORING BITS

Solid Carbide 70mm Thru-Hole Bits

D mm	CL mm	d mm	OL mm
4-10	35	10	70
D inch	**CL mm**	**d mm**	**OL mm**
1/4	35	10	70

Solid Carbide 58mm Thru-Hole Bits

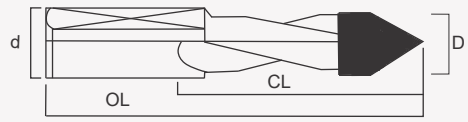
D mm	CL mm	d mm	OL mm
3-8	25	10	58
D inch	**CL mm**	**d mm**	**OL mm**
1/4	25	10	58

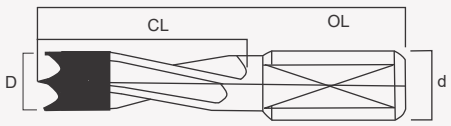
Carbide Tipped 70mm Thru-Hole Bits

D mm	CL mm	d mm	OL mm
4-20	47	10	70
D inch	**CL mm**	**d mm**	**OL mm**
3/16-1/2	47	10	70

Carbide Tipped 58mm Thru-Hole Bits

D mm	CL mm	d mm	OL mm
4-12	35	10	58
D inch	**CL mm**	**d mm**	**OL mm**
3/16-1/2	35	10	58







BRAD-POINT BORING BITS

Solid Carbide 70mm Brad-Point Bits

D mm	CL mm	d mm	OL mm
3-10	35	10	70
D inch	**CL mm**	**d mm**	**OL mm**
1/4	35	10	70

Solid Carbide 57mm Brad-Point Bits

D mm	CL mm	d mm	OL mm
3-10	25	10	57
D inch	**CL mm**	**d mm**	**OL mm**
1/4	25	10	57

Carbide Tipped 70mm Brad-Point Bits

D mm	CL mm	d mm	OL mm
4-18	35	10	70
D inch	**CL mm**	**d mm**	**OL mm**
3/16-1/2	35	10	70

Carbide Tipped 57mm Brad-Point Bits

D mm	CL mm	d mm	OL mm
4-15	27	10	57
D inch	**CL mm**	**d mm**	**OL mm**
3/16-1/2	27	10	57

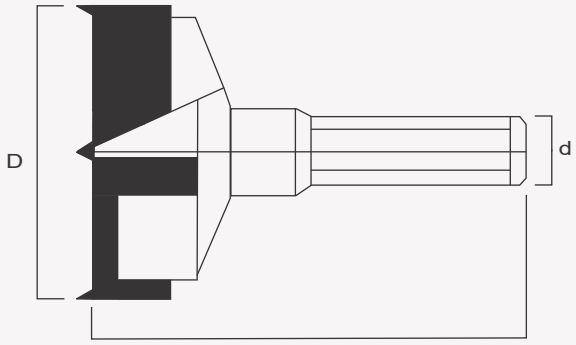


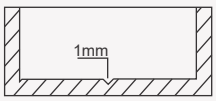
- 10mm shank
- Excellent finish on hardwood, softwood, plastic laminate and paper covered boards.
- Two spurs and center point
- Cylindrical shank with clamping surface and adjustment screw.
- Rotation: left or right hand



CARBIDE TIPPEED 57mm HINGE BITS

D mm	d mm	OL mm	ID Nr RH/LH
14.3	10X25	57	7500-143-00/01
15	10X25	57	7500-150-00/01
16	10X25	57	7500-160-00/01
16.5	10X25	57	7500-165-00/01
18	10X25	57	7500-180-00/01
19	10X25	57	7500-190-00/01
19.7	10X25	57	7500-197-00/01
20	10X25	57	7500-200-00/01
22	10X25	57	7500-220-00/01
24	10X25	57	7500-240-00/01
25	10X25	57	7500-250-00/01
26	10X25	57	7500-260-00/01
27	10X25	57	7500-270-00/01
28	10X25	57	7500-280-00/01
30	10X25	57	7500-300-00/01
32	10X25	57	7500-320-00/01
35	10X25	57	7500-350-00/01





CARBIDE TIPPEED 70mm HINGE BITS

D mm	d mm	OL mm	ID Nr RH/LH
14.3	10X25	70	7500-143-10/11
15	10X25	70	7500-150-10/11
16	10X25	70	7500-160-10/11
16.5	10X25	70	7500-165-10/11
18	10X25	70	7500-180-10/11
19	10X25	70	7500-190-10/11
20	10X25	70	7500-200-10/11
22	10X25	70	7500-220-10/11
25	10X25	70	7500-250-10/11
26	10X25	70	7500-260-10/11
28	10X25	70	7500-280-10/11
30	10X25	70	7500-300-10/11
35	10X25	70	7500-350-10/11

SURFACING ROUTERS



- ✓ Replaceable Inserts
- ✓ Fast Surface Renewal
- ✓ Reduced Downtime
- ✓ Superior Finish

Description	ID Nr
2-1/2" x 14mm sh=1/2" Z2	1000-21/2-14
4" x 14mm sh=3/4" Z3	1000-4-14

Uses 4 sided solid carbide inserts

2-1/2" can run 200-600 IPM

Replacement Insert	ID Nr
14mm x 14mm x 2mm	14028

4" can run 200-600 IPM

PCD GROOVERS

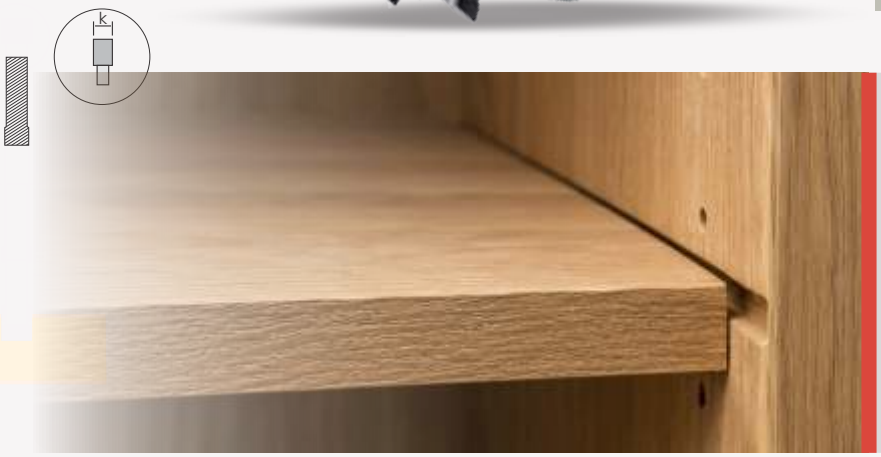
Precision grooving for superior edge quality.

- Exceptional cut quality
- Reduced chipping
- Long tool life
- Conventional or climb cutting



D mm	k mm	bo mm	Z	ID Nr
120	4	30-40	8	03700
120	6	30-40	8	03701
150-180	4	30-40	12	03702
150-180	4	30-40	18	03703
150-180	4	30-40	24	03704
150-180	6	30-40	12	03705
150-180	6	30-40	18	03706
150-180	6	30-40	24	03707
150-180	8	30-40	12	03708
150-180	8	30-40	18	03709
150-180	8	30-40	24	03710

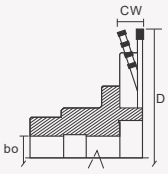
Custom dimensions available on request.



BUILT FOR CLEAN GROOVING

- Ideal for grooving in raw melamine, MDF, chip board and solid wood.
- Available in solid or adjustable bodies so different widths can be achieved with one tool

PCD HOGGERS





Replacement Segments

k mm	z	ID Nr RH	ID Nr LH
4.1	7	SP64958	SP64959
5.3	8	SP15768	SP15766
4.5	10	SP15769	SP15767
5.7	10	SP64963	SP64962
6.3	6	SP64971	SP64970
6.5	9	SPZ965	SPZ964

Segmented Hoggers

D mm	CW mm	bo mm	Z	ID Nr
200	18	35	24/4X4	03800R/L
200	18	35	36/4X4	03801R/L
200	18	35	48/4X4	03802R/L
250	18	35	24/4X4	03803R/L
250	18	35	36/4X4	03804R/L
250	18	35	48/4X4	03805R/L
250	18	35	54/4X4	03806R/L
250	26	100DKN	42/6X7	SP4411

Hogger Trim Blades

D mm	k mm	bo mm	Z	ID Nr RH	ID Nr LH
250	4.4	115	48	SP11205	SP11204
250	4.4	100	48	SP09347	SP09346
350	3.2	60	66	SP58224	SP58223

Also available in carbide tipped

PRECISION BALANCED

Engineered for smooth operation and extended tool life.

EXCELLENT CHIP EVACUATION

Large gullets and optimized design keep chips moving away from the cut.

AGGRESSIVE STOCK REMOVAL

Cut stock fast with high efficiency and powerful performance

REPLACEABLE SEGMENTS

Premium PCD & Carbide tips are available.

PCD COMPACT HOGGERS

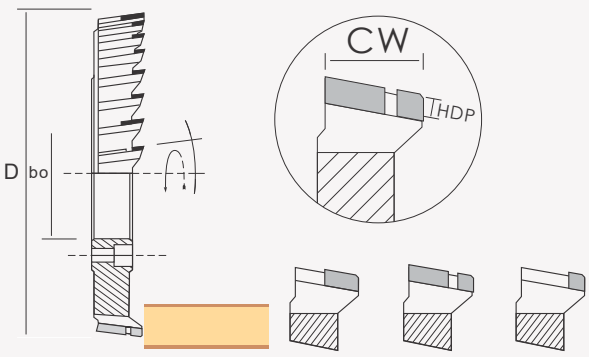
Engineered for precision.
Built for performance.



BUILT FOR PANEL PROCESSING

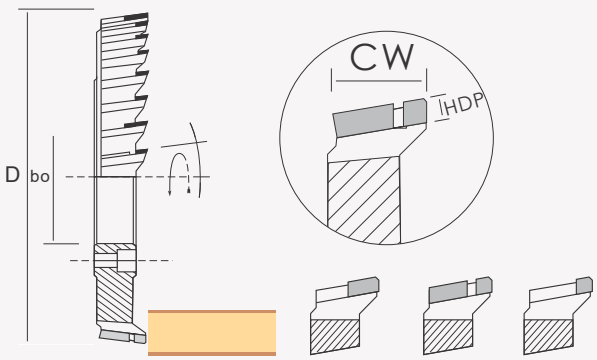
The optimum solution for high efficiency processing of MDF, laminates, veneered and chipboard panels.

PCD COMPACT HOGGERS ANGLE INCREASING



D mm	CW mm	bo mm	Z	H	ID Nr RH	ID Nr LH
250	20	80	24	6	42001	42002
250	20	80	36	6	42003	42004
250	20	80	48	6	42005	42006
250	20	80	60	6	42007	42008
250	10	80	24	6	42009	42010
250	10	80	36	6	42011	42012
250	10	80	48	6	42013	42014
250	10	80	60	6	42015	42016

PCD COMPACT HOGGERS ANGLE DECREASING



D mm	CW mm	bo mm	Z	H	ID Nr RH	ID Nr LH
250	20	80	24	6	41001	41002
250	20	80	36	6	41003	41004
250	20	80	48	6	41005	41006
250	20	80	60	6	41007	41008
250	10	80	24	6	41009	41010
250	10	80	36	6	41011	41012
250	10	80	48	6	41013	41014
250	10	80	60	6	41015	41016



RX — M2 PCD Radius Compact Hoggers

D mm	CW mm	bo mm	Z	H	ID Nr
200-280	12	80	24/20+4	6	04050R/L
200-280	12	80	28/24+4	6	04051R/L
200-280	12	80	32/28+4	6	04052R/L
200-280	12	80	36/30+6	6	04053R/L



RX — M2



RX — M1

RX — M1 PCD Compact Hoggers

D mm	CW mm	bo mm	Z	H	ID Nr
200	20	80	36/24+12	6	04000R/L
250	20	80	36/24+12	6	04001R/L
250	20	80	48/36+12	6	04002R/L

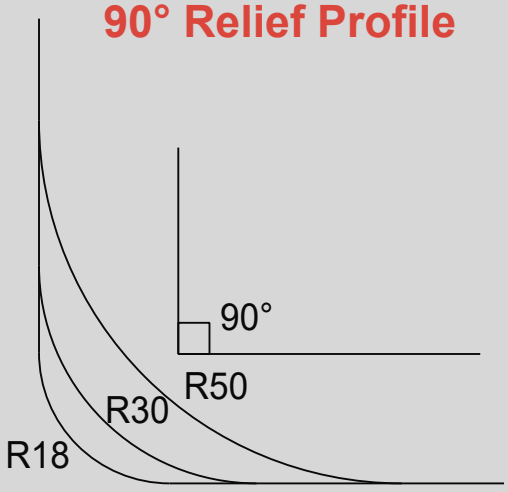
6466 Virginia Avenue, Bassett, Virginia 24055 | (276) 627-1321 | sptiinfo@surreytooling.com

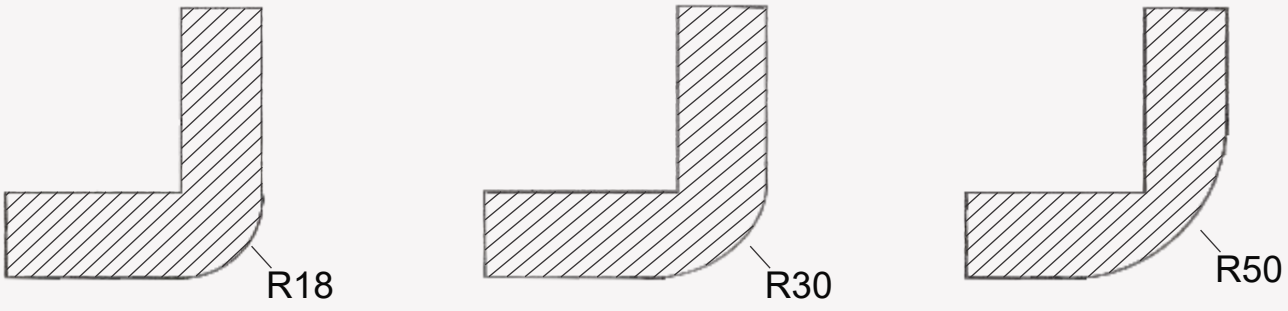
PCD Radius-Bending Router



Designed to machine precision relief profiles for seamless 90° panel bending. Available in R18, R30 and R50 radii for producing smooth, consistent curved corners in furniture, cabinetry and architectural panel applications.

90° Relief Profile





CONTACT US FOR DETAILS
A full range of sizes and custom configurations are available.

SPTlinfo@surreytooling.com
(276) 627-1321

PRECISION MEASUREMENT & SERVICE EQUIPMENT



PRECISION TOOL MEASUREMENT

Tool measurement after service to ensure profile and run-out accuracy at Surrey Precision Tools, Inc.



BALANCING & INSPECTION

At Surrey Precision Tools, we inspect & balance tools after repair. All tools undergo two quality inspection points.



PCD Groove Cutter for Lamello P-System CNC Applications

Designed for precision CNC machining of P-System profile grooves in furniture and architectural panels. The PCD-tipped, three-tooth design produces accurate, repeatable grooves for use with Clamex P, Tenso P, Divario P and compatible alignment connectors.

Available in configurations to suit a variety of CNC machines and arbors.

Typical Dimensions:

Ø100.4mm x 7mm kerf x 3 tips.

Bore size: 22mm or 30mm.

Part #003001003

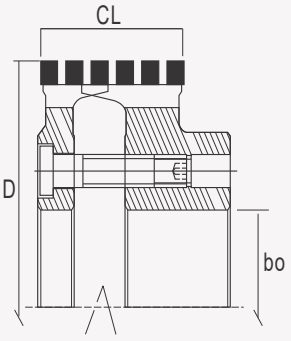
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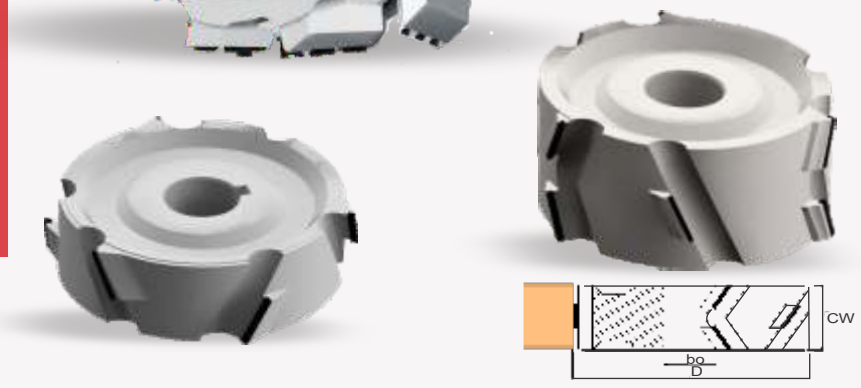
PCD PRE-MILL & MILLIING CUTTERS

Precision Cutting for Edge Banding & Panel Processing

Engineered with premium PCD cutting edges for long too life, superior finish quality, and consistent performance in demanding panel processing applications.







PCD ADJUSTABLE FINISHING CUTTERS

D mm	CW mm	S mm	bo mm	Z	ID Nr RH	ID Nr LH
80-100	35	50	25-30	2+2	RX-N-010	RX-N-013
80-100	35	50	25-30	2+2	RX-N-020	RX-N-023
100-125	35	50	25-30	3+3	RX-N-030	RX-N-033
100-125	35	50	25-30	3+3	RX-N-040	RX-N-043
100-125	48	65	25-30	3+3	RX-N-050	RX-N-053
100-125	48	65	25-30	3+3	RX-N-060	RX-N-063
100-125	58	65	25-30	3+3	RX-N-070	RX-N-073
100-125	58	80	25-30	3+3	RX-N-080	RX-N-083
100-125	63	75	25-30	3+3	RX-N-090	RX-N-093
100-125	63	75	25-30	3+3	RX-N-100	RX-N-103
125-160	63	80	25-35	3+3	RX-N-110	RX-N-113
125-160	63	80	25-35	3+3	RX-N-120	RX-N-123

PCD PRE-MILL CUTTERS

D mm	CW mm	S mm	bo mm	Z	ID Nr
80	35	37	30	3+3	02400R/L
100	43	37	30	3+3	02401R/L
100	48	45	30	3+3	02402R/L
100	63	45	30	3+3	02403R/L
125	35	30	30	3+3	02404R/L
125	43	30	30	3+3	02405R/L
125	50	45	30	3+3	02406R/L
125	65	45	30	3+3	02407R/L
150	43	30	30	4+4	02408R/L
150	55	30	30	4+4	02409R/L
150	65	40	30	4+4	02410R/L
200	65	40	30	4+4	02411R/L

Custom dimensions available on request.

PRECISION PRODUCTION. RELIABLE RESULTS.

SURREY PCD SERVICE DEPARTMENT



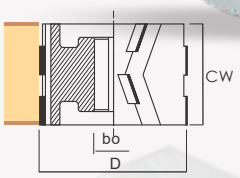
Precision Profile Grinding
Accurate tolerances for consistent performance.

Advanced CNC Machining
High Precision Equipment for complex tooling.

Quality Control & Inspection
Every tool inspected for reliability and long life.

Custom Tooling Solutions
Designed and manufactured to your specific needs.

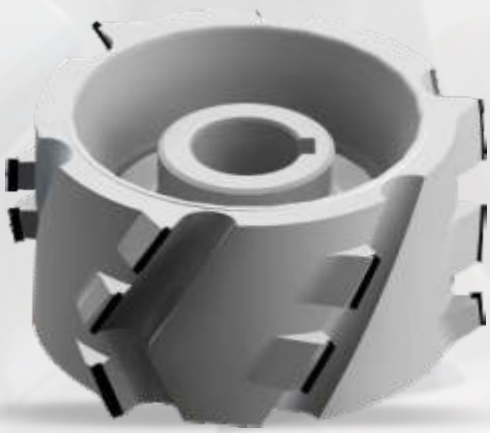


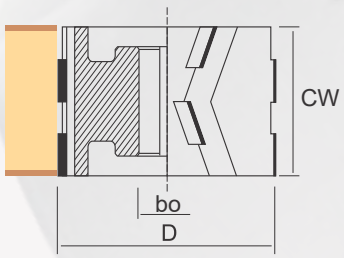


PCD PRE-MILL CUTTERS - LOW NOISE

D mm	CW mm	bo mm	Z	Machine	ID Nr
80	43/53	30 DKN	3/3	Biesse	32051R/L
80	65/53	30 DKN	3/3	Biesse	32052R/L
100	43/75	30 DKN	3/3	Biesse	32053R/L
100	65/75	30 DKN	3/3	Biesse	32054R/L
125	32/34	30 DKN	3/3	Homag	32055R/L
125	43/40	30 DKN	3/3	Homag	32056R/L
125	65/40	30 DKN	3/3	Homag	32057R/L

Custom dimensions available on request.



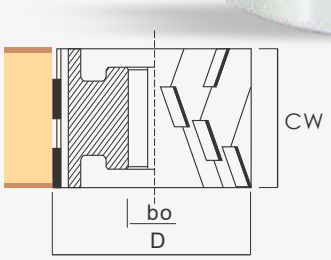


PCD PRE-MILL CUTTERS

D mm	CW mm	S mm	bo mm	Z	ID Nr
80	35	37	20 KN	2+2	02200R/L
80	35	37	30 KN	2+2	02201R/L
100	35	30	30 KN	3+3	02202R/L
100	45	30	30 KN	3+3	02203R/L
125	35	30	30 KN	3+3	02204R/L
125	45	30	30 KN	3+3	02205R/L
125	58	50	30 KN	3+3	02206R/L
125	65	50	30 KN	3+3	02207R/L
150	35	30	30 KN	3+3	02208R/L
150	45	30	30 KN	3+3	02209R/L
150	58	40	30 KN	3+3	02210R/L
150	65	40	30 KN	3+3	02211R/L

Custom dimensions available on request.





PCD PRE-MILL CUTTERS

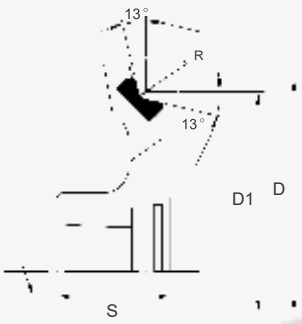
D mm	CW mm	S mm	bo mm	Z	ID Nr
80	35	37	30 DKN	2+2	02300R/L
80	35	37	30 DKN	2+2	02301R/L
100	35	30	30 DKN	3+3	02302R/L
100	45	30	30 DKN	3+3	02303R/L
125	35	30	30 DKN	3+3	02304R/L
125	45	30	30 DKN	3+3	02305R/L
125	58	50	30 DKN	3+3	02306R/L
125	65	50	30 DKN	3+3	02307R/L
150	35	30	30 DKN	3+3	02308R/L
150	45	30	30 DKN	3+3	02309R/L
150	58	40	30 DKN	3+3	02310R/L
150	65	40	30 DKN	3+3	02311R/L

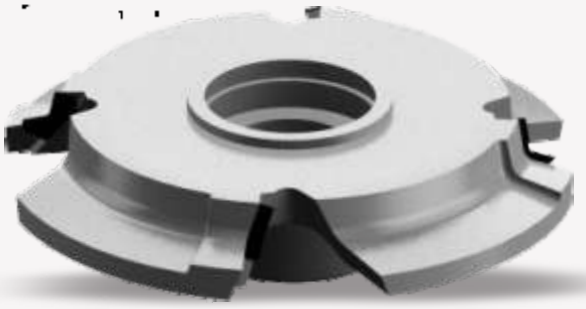
Custom dimensions available on request.

PCD
EDGE BANDING CUTTERS

Precision Tooling for
Edge Banding Profiles
& Panel Processing







PCD Edge Banding Radius Cutters

D mm	S mm	bo mm	R mm	Z	ID Nr
78/84	33	HSK25R	1.0	4	02700R/L
78/84	33	HSK25R	1.5	4	02701R/L
78/84	33	HSK25R	2.0	4	02702R/L
78/84	33	HSK25R	2.5	4	02703R/L
78/84	33	HSK25R	3.0	4	02704R/L
78/84	33	HSK25R	1.0	6	02705R/L
78/84	33	HSK25R	1.5	6	02706R/L
78/84	33	HSK25R	2.0	6	02707R/L
78/84	33	HSK25R	2.5	6	02708R/L
78/84	33	HSK25R	3.0	6	02709R/L



PCD Edge Banding Cutters

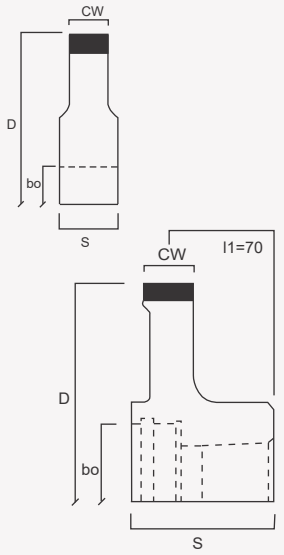
D mm	CW mm	bo mm	R mm	S mm	Z	ID Nr.
74	16	16/20	1.0	10	4	02800
74	16	16/20	1.5	10	4	02801
74	16	16/20	2.0	10	4	02802
74	16	16/20	2.5	10	4	02803
74	16	16/20	3.0	10	4	02804
74	16	16/20	1.0	10	6	02825
74	16	16/20	1.5	10	6	02826
74	16	16/20	2.0	10	6	02807
74	16	16/20	2.5	10	6	02808
74	16	16/20	3.0	10	6	02809

PRECISION PROFILE GRINDING
Exact profile for perfect fit and clean results

LONG TOOL LIFE
Premium PCD cutting edges for extended service life

CLEAN CUTTING PERFORMANCE
Reduces chipping and ensures excellent surface finish

CUSTOM PROFILE CAPABILITY
Special profiles and dimensions available upon request



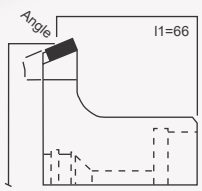


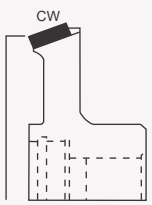
PCD Top & Bottom Trim Cutters

D mm	CW mm	S mm	bo mm	Z	Machine	ID Nr LH	ID Nr RH
70	8	11	16KN	4	Brandt	33001	33001
70	15	18	16KN	4	Brandt	33002	33002
70	8	11	16KN	6	Brandt	33003	33003
70	15	18	16KN	6	Brandt	33004	33004

PCD HSK25R Trim Cutters

D mm	CW mm	S mm	Z	ID Nr LH	ID Nr RH
70	8	23	4	34001	34002
70	15	23	4	34003	34004
70	8	23	6	34005	34006
70	15	23	6	34007	34008







PCD Bevel Trim Cutters HSK25R

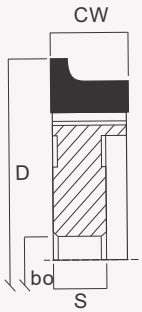
D mm	CW mm	S mm	Z	Angle	ID Nr LH	ID Nr RH
70	8	23	4	20°	34009	34010
70	8	23	6	20°	34011	34012
70	8	23	4	45°	34013	34014
70	8	23	6	45°	34015	34016

PCD Bevel Trim Cutters HSK32

D mm	CW mm	S mm	Z	Angle	ID Nr LH	ID Nr RH
70	5	33	4	20°	34017	34018
70	5	33	6	20°	34019	34020

PCD Edge Banding Bevel Cutters

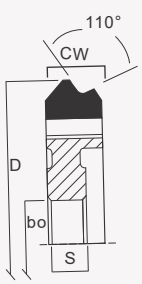
D mm	CW mm	bo mm	S mm	Z	ID Nr
70	8	16	23	4	RX-Q-010
70	15	20	23	4	RX-Q-020
70	8	16	23	6	RX-Q-030
70	15	20	23	6	RX-Q-040





PCD Edge Banding Corner-Rounding Cutters

D mm	CW mm	bo mm	S mm	Z	ID Nr
72	16	16	10	4	RX-R4-010
72	16	16	10	6	RX-R4-020
72	16	20	10	4	RX-R4-030
72	16	20	10	6	RX-R4-040
82	16	20	10	4	RX-R4-050
82	16	20	10	6	RX-R4-060





PCD Edge Banding Cutters

D mm	CW mm	bo mm	R mm	S mm	Z	ID Nr
70	16.8	16/20	1.0	10	4	02850R/L
70	16.8	16/20	1.5	10	4	02851R/L
70	16.8	16/20	2.0	10	4	02852R/L
70	16.8	16/20	2.5	10	4	02853R/L
70	16.8	16/20	3.0	10	4	02854R/L
70	16.8	16/20	4.0	10	4	02855R/L
70	16.8	16/20	1.0	10	6	02856R/L
70	16.8	16/20	1.5	10	6	02857R/L
70	16.8	16/20	2.0	10	6	02858R/L
70	16.8	16/20	2.5	10	6	02859R/L
70	16.8	16/20	3.0	10	6	02860R/L
70	16.8	16/20	4.0	10	6	02861R/L

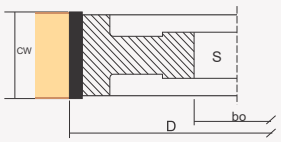
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SURREY PCD
Edge Banding Cutters

Engineered for Precision.
Built for Performance.

Available in standard and
custom sizes
Choose between PCD
and Carbide Tips

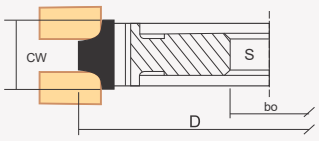




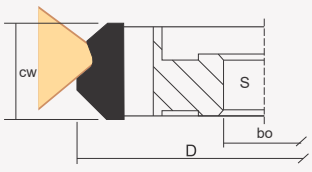


D mm	CW mm	S mm	bo mm	Z	ID Nr
76	20	10	20	6	03200
76	20	10	16	6	03201





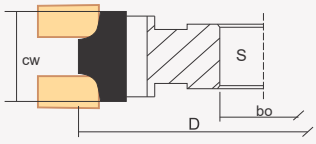
D mm	CW mm	S mm	bo mm	R	Z	ID Nr
70	16	10	16	1 ~ 5	6	03250
70	16	10	20	1 ~ 5	6	03251



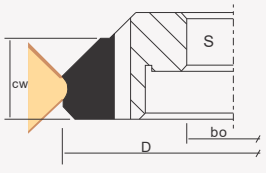


D mm	CW mm	S mm	bo mm	R	Z	ID Nr
68	16.8	10	16	1 ~ 5	6	03300R
68	16.8	10	20	1 ~ 5	6	03301L





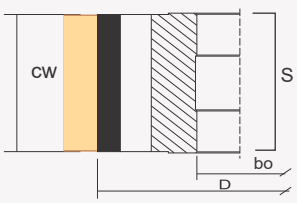
D mm	CW mm	S mm	bo mm	R	Z	ID Nr
68	16.3	10	16	1 ~ 5	6	03350
68	16.3	10	20	1 ~ 5	6	03351





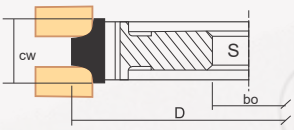
D mm	CW mm	S mm	bo mm	R	Z	ID Nr
58	13.5	10	16	1 ~ 5	6	03400R
58	13.5	10	20	1 ~ 5	6	03401L



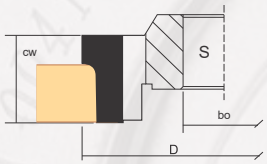


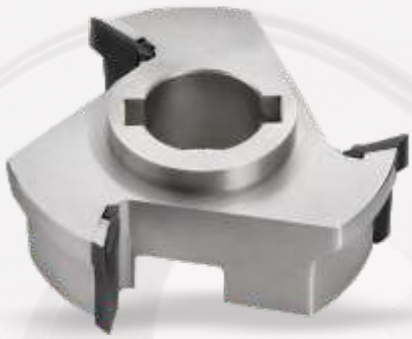
D mm	CW mm	S mm	bo mm	Z	ID Nr
100	64	66	30	6	03450
100	64	66	35	6	03451



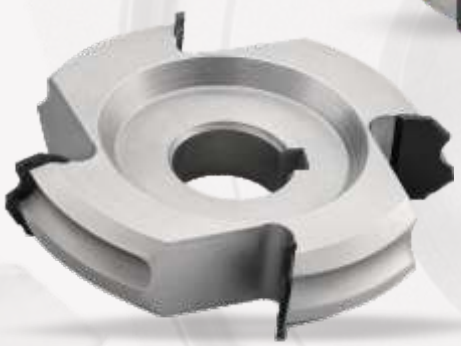


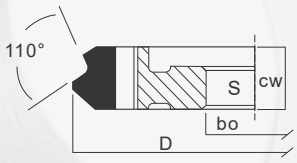
D mm	CW mm	S mm	bo mm	R	Z	ID Nr
70	16	10	16	1 ~ 5	3	02900
70	16	10	16	1 ~ 5	3	02901



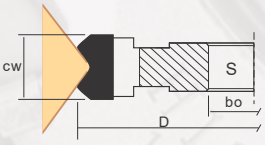


D mm	CW mm	S mm	bo mm	R	Z	ID Nr
55.3	17	10	16	1 ~ 5	3	02950R
55.3	17	10	16	1 ~ 5	3	02951L





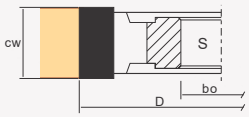
D mm	CW mm	S mm	bo mm	R	Z	ID Nr
75	16.8	10	20	1 ~ 5	4	03000R
75	16.8	10	20	1 ~ 5	4	03001L



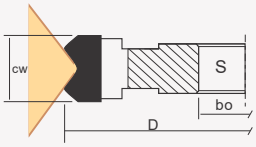


D mm	CW mm	S mm	bo mm	R	Z	ID Nr
69	13	10	16	1 ~ 5	4	03050
69	13	10	20	1 ~ 5	4	03051





D mm	CW mm	S mm	bo mm	Z	ID Nr
56	14	10	16	4	03100
56	14	10	14	4	03101





D mm	CW mm	S mm	bo mm	R	Z	ID Nr
69	13	10	16	1 ~ 5	6	03150
69	13	10	20	1 ~ 5	6	03151

All Surrey Edge Band Cutters are available in straight bore, HSK25R, and HSK32

6466 Virginia Avenue, Bassett, Virginia 24055 | (276) 627-1321 | sptiinfo@surreytooling.com

Finger Joint & PLANER TOOLING

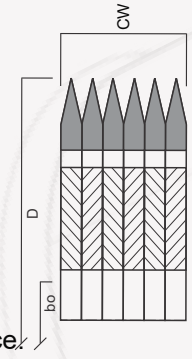
ENGINEERED FOR STRENGTH. BUILT FOR PRODUCTIVITY.

High performance tooling for stronger joint, smoother surfaces, and superior productivity.



PRECISE CUTS
Tight tolerances for perfect fitting joints.

MAXIMUM OUTPUT
Durable carbide tips for long-lasting performance.



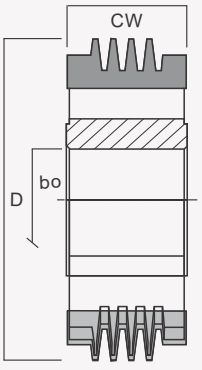
TCT and HSS FINGER JOINT CUTTER SETS

D mm	CW mm	bo mm	Z	ID Nr
160	4	40-70	2	SR-B-010
160	9	40-70	2	SR-B-020
160	4	40-70	4	SR-B-030
160	9	40-70	4	SR-B-040

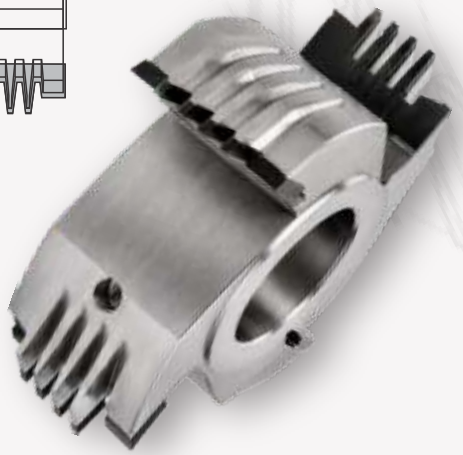
Custom dimensions available on request.

TCT FINGER JOINT CUTTERS

D mm	CW mm	bo mm	Z	ID Nr
140	50	30-35	4	SR-A-010
140	60	30-35	4	SR-A-020
140	70	30-35	4	SR-A-030
140	80	30-35	4	SR-A-040
140	90	30-35	4	SR-A-050
140	100	30-35	4	SR-A-060



For finger joints in solid wood and composites on finger jointing machines, shapers, and moulders without a cut-off saw.



TCT Planer Heads

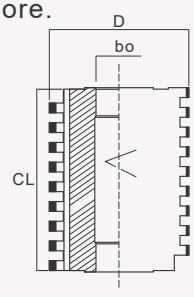
D mm	CL mm	bo mm	Z	ID Nr
80	30	30-40	4-6	SR-C-010
80	100	30-40	4-6	SR-C-020
90	60	30-40	4-6	SR-C-030
90	120	30-40	4-6	SR-C-040
100	50	30-40	4-6	SR-C-050
100	100	30-40	4-6	SR-C-060
100	120	30-40	4-6	SR-C-070
125	150	30-40	4-6	SR-C-080
125	200	30-40	4-6	SR-C-090
150	120	30-40	4-6	SR-C-100
180	60	30-40	4-6	SR-C-110

Custom dimensions available on request.



For pre-planing and finish planing of soft and hardwood use on moulders and planers.

Steel body with Tungsten Carbide tips. Can be made with straight, hydro, or sleeved bore.









Solid Carbide INSERTS, SPURS, & KNIVES

L mm	W mm	T mm	Degree	Type	ID Nr
12	12	1.5	35°	Square Corners	121215
14	14	2.0	30°	Rounded Corners	141420R
14	14	2.0	30°	Square Corners	141420S
14.3	14.3	2.5	35°	Square Corners	14325S
14.6	14.6	2.5	30°	Square Corners	14625S
14.6	14.6	2.5	30°	Rounded Corners	14625R
14.6	14.6	2.5	30°	Rounded Corners 150°Radius	14625RE150
15	15	2.5	30°	Square Corners	151525S
15	15	2.5	30°	Rounded Corners	151525R
15	15	2.5	30°	Square Corners, 150° Radius	151525SE150
15	15	2.5	30°	Rounded Corners, 150° Radius	151525RE150
15	15	2.5	30°	Square Corners, 100° Radius	151525RE100

Other sizes and custom dimensions available on request.

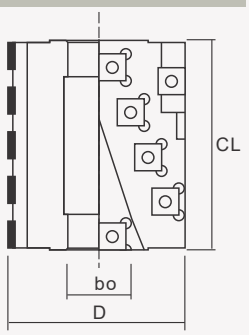




TCT Spiral Insert Planer Heads

D mm	CL mm	bo mm	Eff.	Z	ID Nr
125	100	40	6	24-30	SR-E-010
125	130	40	6	30-36	SR-E-020
125	180	40	6	42-48	SR-E-030
125	230	40	6	54-60	SR-E-040
140	100	40	8	32-40	SR-E-050
140	130	40	8	40-48	SR-E-060
140	180	40	8	56-64	SR-E-070
140	230	40	8	72-80	SR-E-080

For surface planing and planing of solid wood for good finish surface cutting without any marks caused by knives. Four-sided reversible inserts



PCD Edge-Rounding Chamfering Cutters

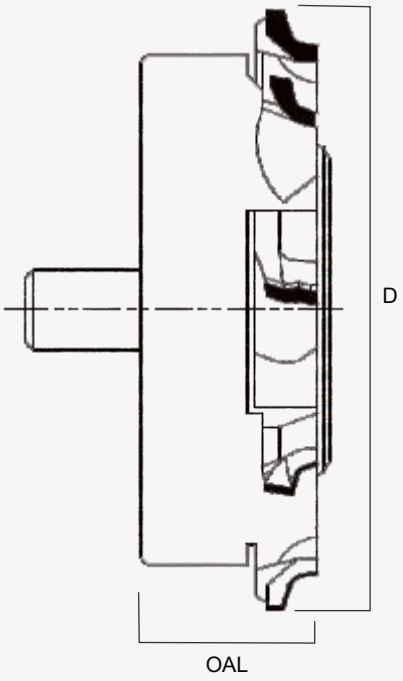


- ✓ Delivers excellent machining quality and long tool life on Homag edgebanders.
- ✓ Mounted on an HSK25R adapter.
- ✓ Provides efficient chip evacuation.
- ✓ Designed to allow multiple sharpenings.
- ✓ Ideal for rounding the edges of coated and laminated panels.

PCD Edge Rounding Chamfering Cutters

D mm	Sd mm	OAL mm	R1/Ch mm	R2	Z	ID Nr
79	70	25	2 / 20		4+4	800400
79	70	25	2 / 45		4+4	800401
78	70	25	1	R2	4+4	800402
78	70	25	1.5	R2	4+4	800403
78	70	25	2	R3	4+4	800404

Available in Left Hand and Right Hand rotations



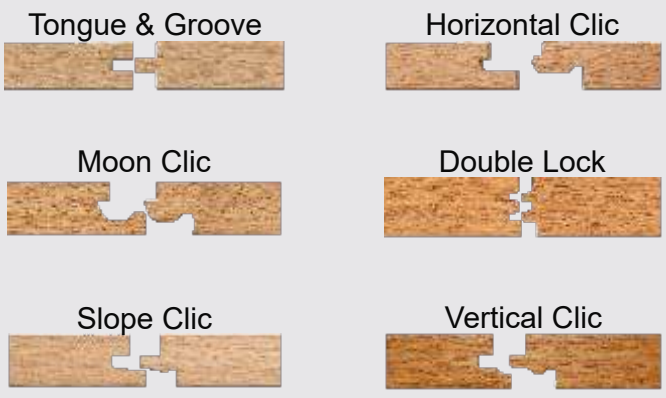


Custom Tooling

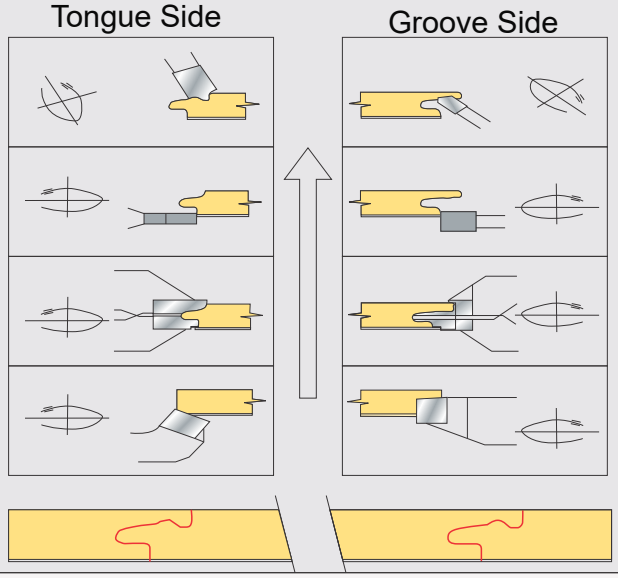
Surrey designs and manufactures custom tooling solutions tailored to your equipment, materials, and target profiles.



Profile Capabilities



Tooling Setups





BUILT FOR YOUR LINE

Surrey custom tooling is engineered to match your equipment, materials, and profiles. Our tools are build to your specifications for consistent performance and superior quality.

All orders are processed and finished at our Bassett, Virginia location.

Technical INFORMATION

CHIP LOAD PER TOOTH



Example: A 28 tooth saw rotating at 4200 rpm with a feed rate of 120 fpm will have a chipload of 0.30mm

The chip load per tooth may vary depending on the type of finish required. The following chip loads are recommended: Regular finish-0.38mm, Fine finish-0.254mm, Extra fine finish-0.127mm

With saw arbor running at 3600 RPM the following summary gives the feed rate per revolution and the chip load per tooth in relation to the feed per minute into the saw.

FEED PER/MIN(FEET)	100	150	200	250	300
FEED PER/REVOLUTION	.333	500	.666	.833	1INCH
NO. OF TEETH					
12	.027	.040	.055	.069	.083
16	.020	.031	.041	.052	.062
20	.016	.025	.033	.041	.050
24	.013	.020	.027	.034	.041
30	.011	.016	.022	.027	.033
36	.009	.013	.018	.023	.027
40	.008	.012	.016	.020	.025
60	.005	.008	.011	.013	.016
80	.004	.006	.008	.010	.012
100	.003	.005	.006	.008	.010
120	.002	.004	.005	.007	.008

For other RPM values use this formula : $\frac{\text{Chipload} = 12 \times \text{feed per minute}}{\text{RPM} \times \text{Number of teeth}}$

Limited Warranty and Performance Guarantee

All standard, custom tools, and sharpening services are warranted for 90 days against defects in workmanship and materials. Tools may be returned to Surrey Precision Tools for inspection, repair, or replacement at our discretion. Normal wear or damage resulting from misuse is not covered by this warranty. Surrey Precision Tools is responsible for the tooling, and shall not be liable for incidental or consequential damages.

We understand that our success depends on yours, and we are committed to ensuring your satisfaction with our products and technical support. Please don't hesitate to contact us in you have any questions or concerns

Shipping

All orders are shipped via UPS, unless another carrier is specified. Local orders are delivered by Surrey Precision Tools.

Returns

- Items may be returned with advance approval and RGA.
- Stock items are subject to a 10% restocking fee.
- Non-stock items are subject to a 25% restocking fee.
- Custom items may not be returned.
- Items may not be returned after four months from the date of purchase
- All freight charges must be pre-paid on returns, unless Surrey Precision Tools is at fault.

Cancellation

- Stock items on order can be cancelled without charge if they have not shipped.
- Non-stock items on order can be cancelled profiding no cost to Surrey has been incurred when the order is cancelled
- Custom orders can be cancelled but all costs incurred to the point of cancellation will be invoiced. If a custom order is cancelled and the order has been completed, it will be invoiced in full.

Terms

- All new accounts are processed with credit card payment. A 3.5% processing fee is added to all credit card payments
- Open accounts (net 30) are due 30 days from date of invoice. Past due accounts are subject to a 1.5% finance charge per month.
- Accounts that are not paid in full when due will be subject to additional collection/legal fees.

All prices are FOB Bassett, Virginia

All prices are subject to change without notice.


SURREY TOOL COMPANY LTD.



SURREY INTERNATIONAL NETWORK



SURREY Connects to the World

Surrey is a global manufacturer and supplier of high-quality precision diamond and carbide cutting tools. Through our international network of skilled sales staff and distributors, we support customers across domestic and international markets.

No matter where your business is located, Surrey works to provide reliable tooling solutions, technical support, and distribution access worldwide.



Local Support. Global Reach. Surrey Precision

SALES - SERVICE - CUSTOM SOLUTIONS

Surrey Precision Tools provides diamond and carbide cutting tools, custom tooling, and sharpening services for woodworking, composites, and metalworking industrial applications. From standard tooling to application-secific profiles, our team is built to support your production needs.

Surrey Precision Tools, Inc.
6466 Virginia Avenue
Bassett, Virginia 24055

Tel: (276) 627-1321

E-mail: SPTIinfo@surreytooling.com

www.surreyprecisiontools.com

Surrey Precision Tooling Party Ltd.
25 Iraking Avenue
Moorebank NSW 2170, Sydney, Australia

Tel: 0061 2 96025777
Fax: 0061 2 96020181

E-mail: sales@staysharpaustralia.com.au

Surrey Tool Company Limited
No.10, NanYuan West Road
Changjiao, Lunjiao Street
Shunde, Foshan, Guangdong, China

Tel: +86 757 27883748
Fax: +86 757 27739132

E-mail: info@surrey.com.cn

www.surrey.com.cn

PCD Tooling Solutions Ltd.
Unit 1F Holme Ind Est, Skiff Lane
Holme-upon-Spalding-Moor
York YO 43 4BB United Kingdom

Tel: (01430) 861893
Fax: (01430) 861581

E-mail: paulfalkingham9@gmail.com

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