

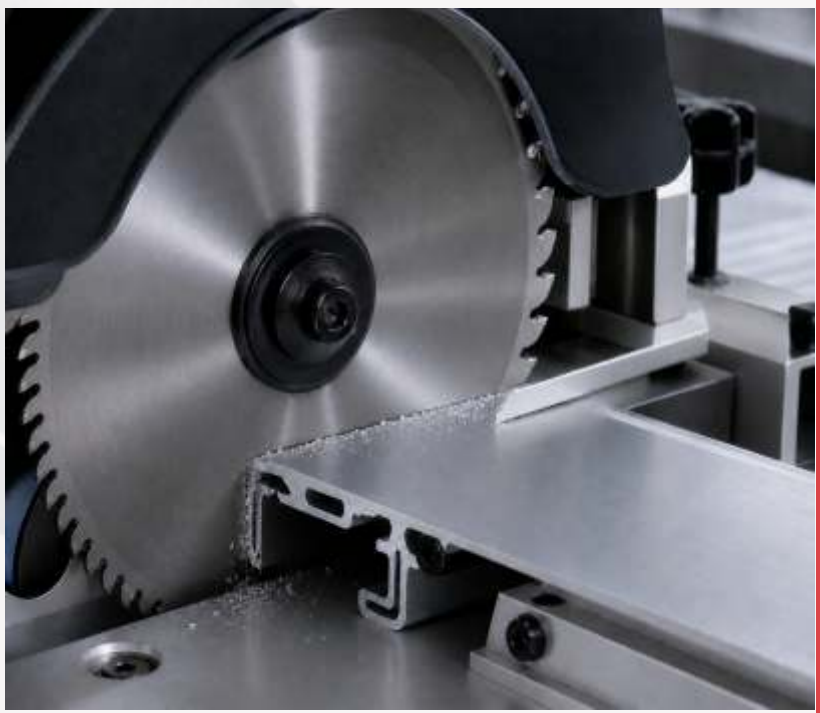
PCD SAW BLADESS FOR METAL APPLICATIONS

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



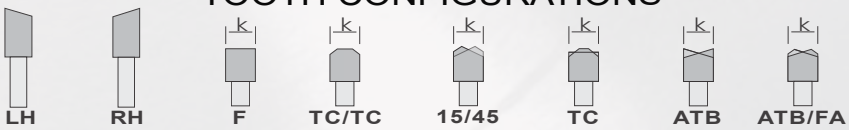
Precision. Performance. Reliability.

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

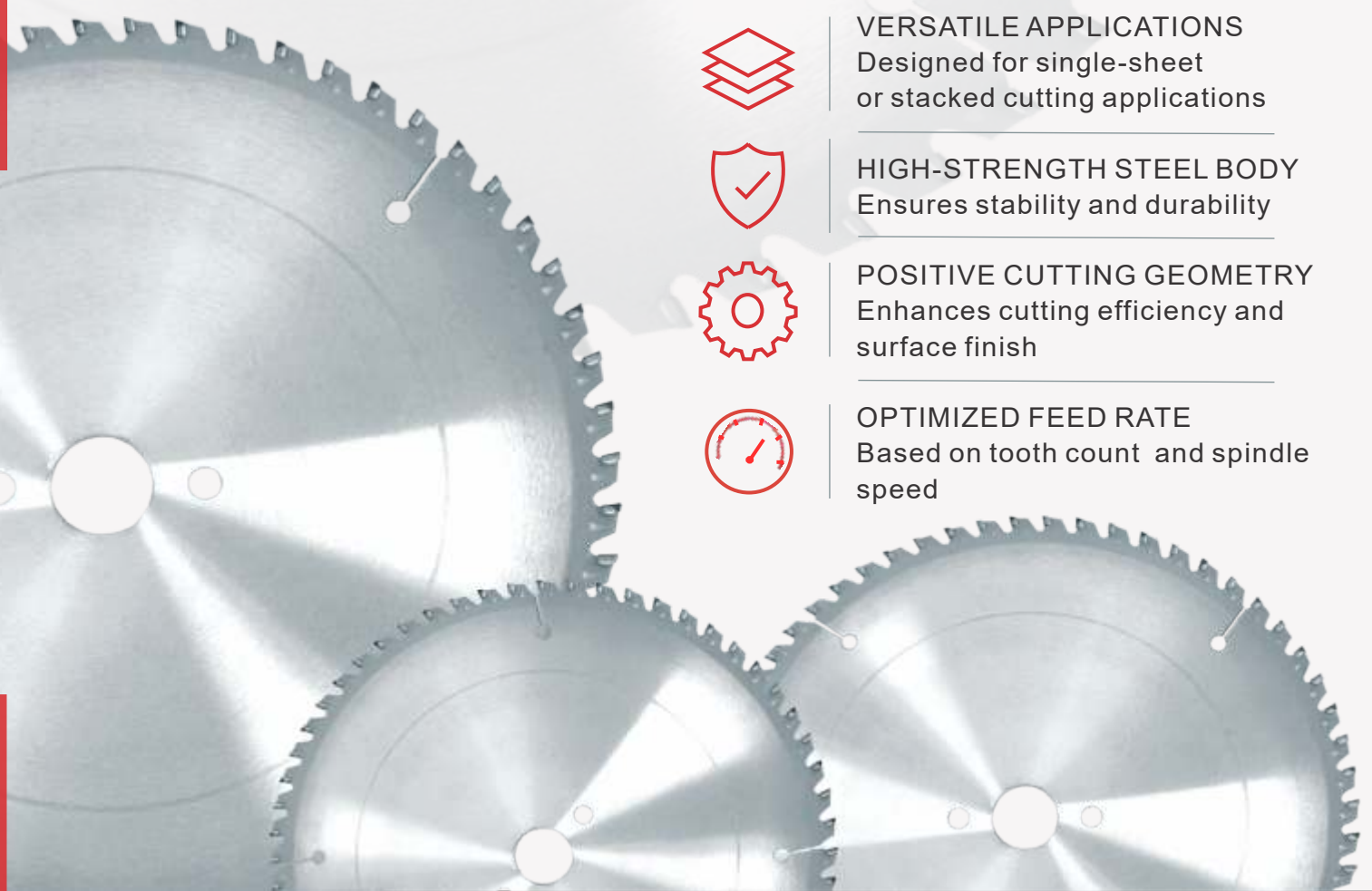


VERSATILE APPLICATIONS
Designed for single-sheet or stacked cutting applications

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

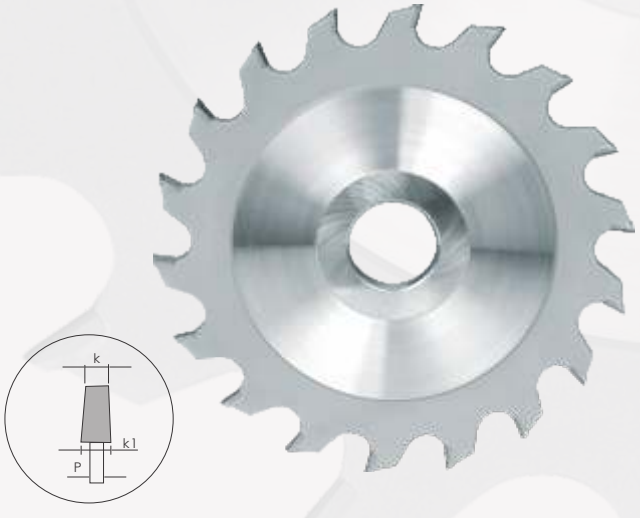
SUPERIOR EDGE RETENTION
Minimal tear-out and ability to maintain precision over extended runs

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.

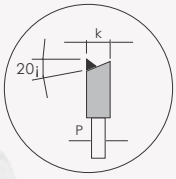
PCD FINISHING SAWS

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



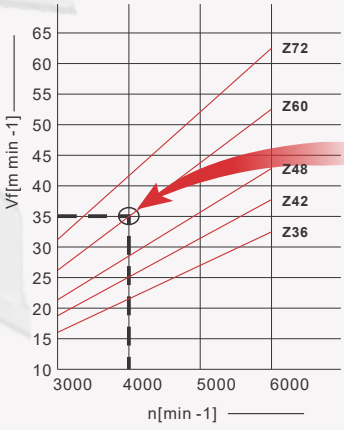
D mm	k mm	P mm	bo mm	Z	ID Nr
200	3.0	2.5	30	64	PCD080
230	2.2	1.7	25.4	80	PCD090
250	3.0	2.5	25.4	80	PCD100
250	2.2	1.7	25.4	100	PCD110
250	2.5	2.0	25.4	100	PCD120
275	3.0	2.5	25.4	84	PCD130
300	3.0	2.5	30	96	PCD140
300	3.0	2.5	30	100	PCD150
300	3.5	2.5	30	120	PCD160
330	3.5	2.5	30	120	PCD170
350	3.5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

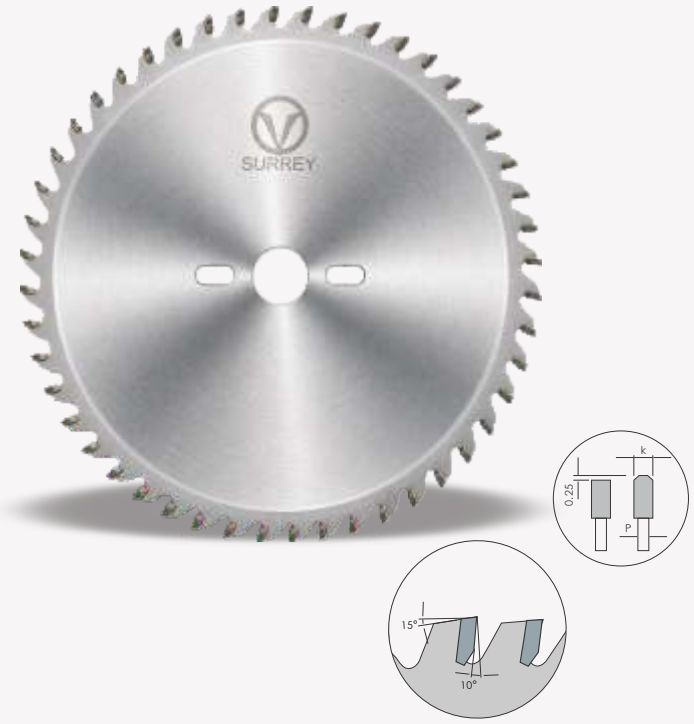
Ideal for hardwood and plywood

CONSISTENT PERFORMANCE

Precision Manufactured for accurate alignment and reliable results

EXTENDED TOOL LIFE

PCD tips provide outstanding wear resistance for long-lasting performance



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

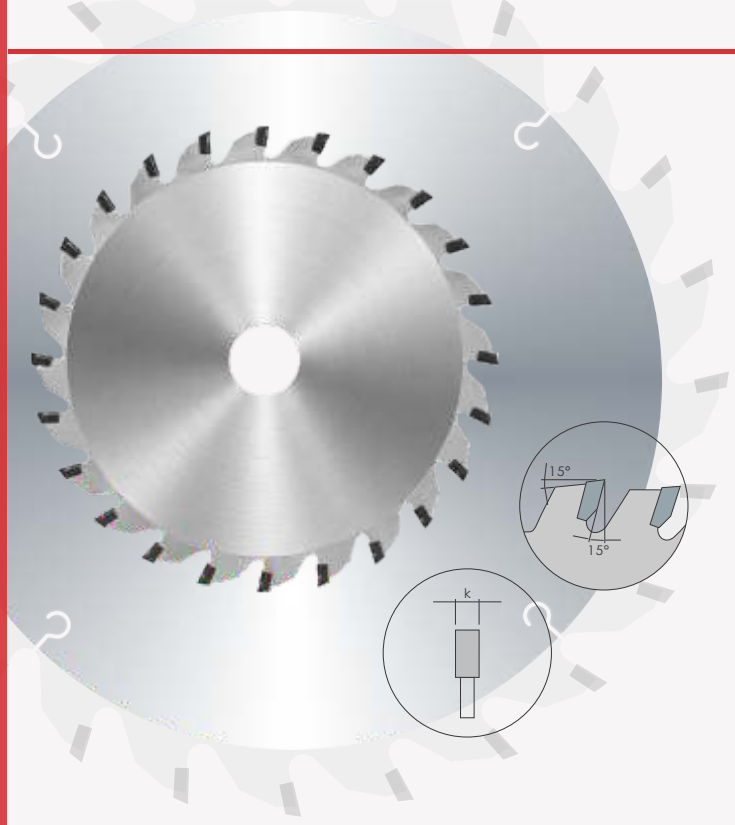
Designed for cutting particleboard, MDF, HPL, coated panels, and solid wood.



PRECISION TOOLS FOR WOODWORKING

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

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

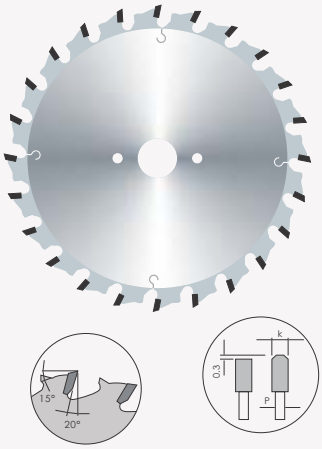


TCT GROOVERS

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.

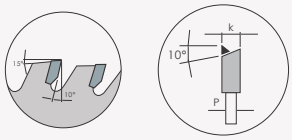
D mm	k mm	P mm	bo mm	Z	ID Nr
250	3.2	2.2	30/70	22	YT-J-010
250	3.2	2.2	30/70	24	YT-J-020
300	3.2	2.2	30/70	24	YT-J-030
300	3.2	2.2	30/70	28	YT-J-040
350	3.5	2.5	30/70	30	YT-J-050
400	4.0	3.0	30	34	YT-J-060

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.

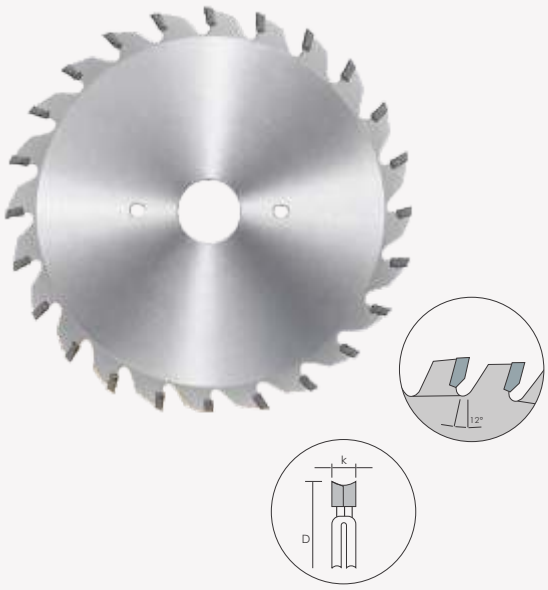
VERSATILE APPLICATION

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



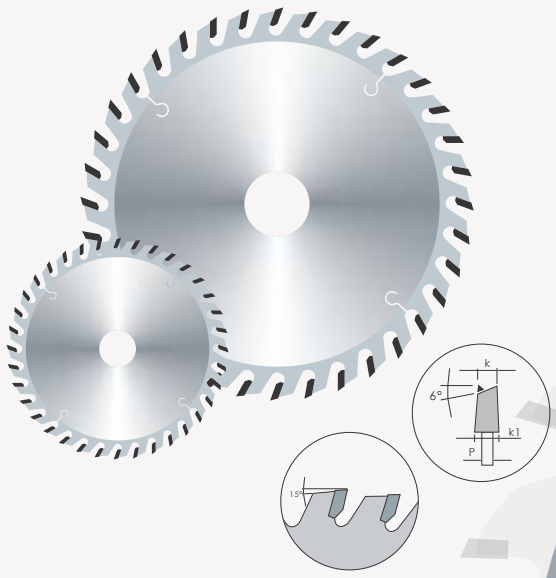
D mm	k mm	bo mm	Z	ID Nr
100	2.8-3.6	20	12+12	YT-B-010
120	2.8-3.6	20	12+12	YT-B-020
120	2.8-3.6	22	12+12	YT-B-030
125	2.8-3.6	20	12+12	YT-B-040
125	2.8-3.6	22	12+12	YT-B-050
200	2.8-3.6	20	24+24	YT-B-060
200	4.3-5.3	20	24+24	YT-B-070

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

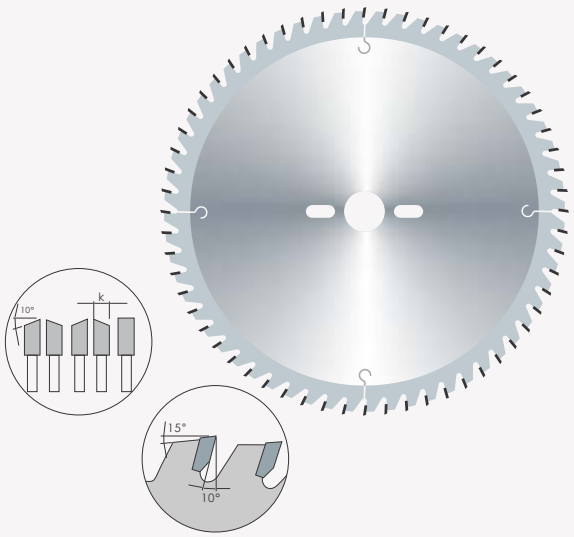
Helps prevent chipping on bottom side of the finished panel.

WIDE COMPATIBILITY

Suitable for a variety of panel materials and processing machines.

RELIABLE PERFORMANCE

Designed for consistent results and long-term productivity.

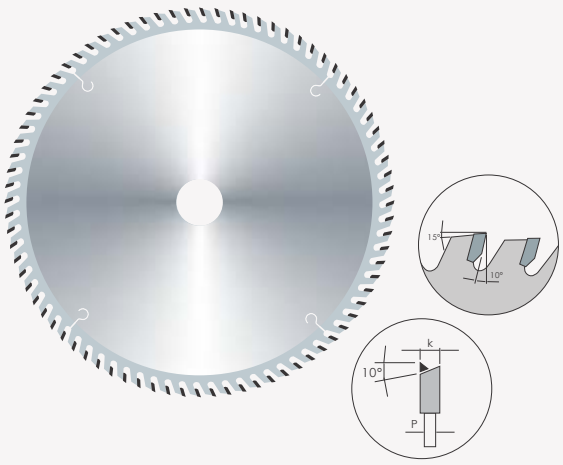


TCT SAW BLADES 4+1 WITH FLAT RAKER

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

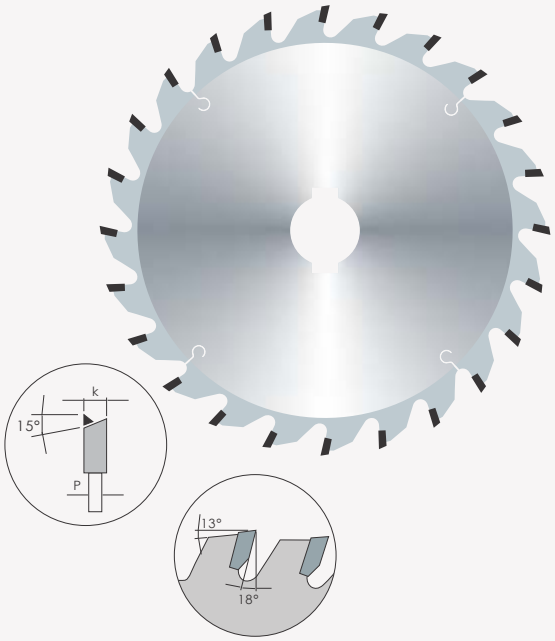
D mm	k mm	P mm	bo mm	Z	ID Nr
250	3.2	2.2	25.4	80	YT-F-010
250	3.2	2.2	25.4	100	YT-F-020
250	3.2	2.2	25.4	120	YT-F-030
280	3.2	2.2	25.4/30	120	YT-F-040
300	3.2	2.2	25.4/30	100	YT-F-050
300	3.2	2.2	25.4/30	120	YT-F-060

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

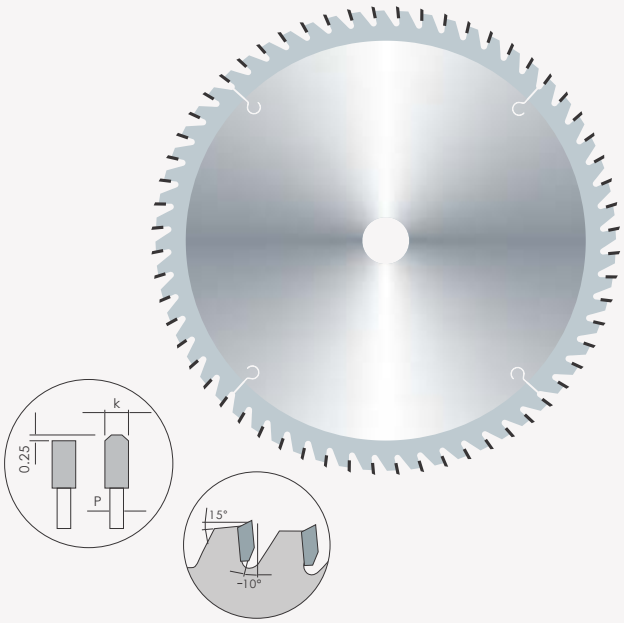
D mm	k mm	P mm	bo mm	Z	ID Nr
180	3.0	2.0	25.4/30	36	YT-G-010
200	3.0	2.0	25.4/30	40	YT-G-020
230	3.0	2.0	25.4/30	40	YT-G-030
300	3.2	2.2	30	24	YT-G-040
300	3.2	2.2	30	48	YT-G-050
350	3.5	2.5	30	32	YT-G-060
350	3.5	2.5	30	42	YT-G-070
350	3.5	2.5	30	54	YT-G-080
400	3.5	2.5	30	60	YT-G-090
450	4.5	3.5	30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



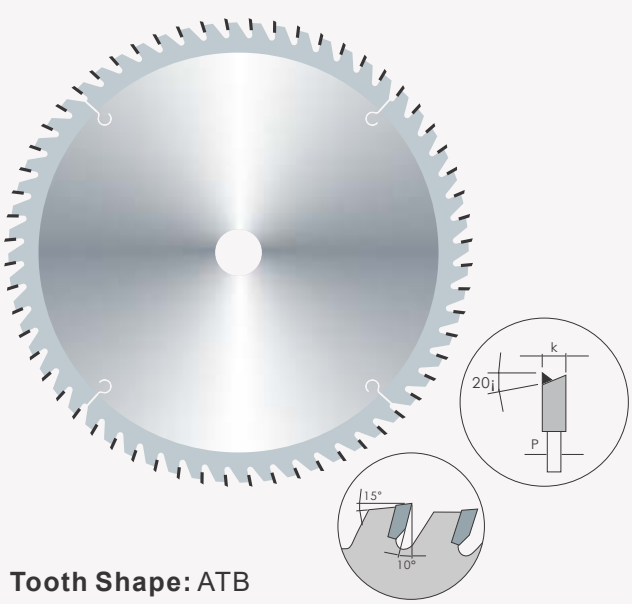
Tooth Shape: TC, Square and triangular tooth

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