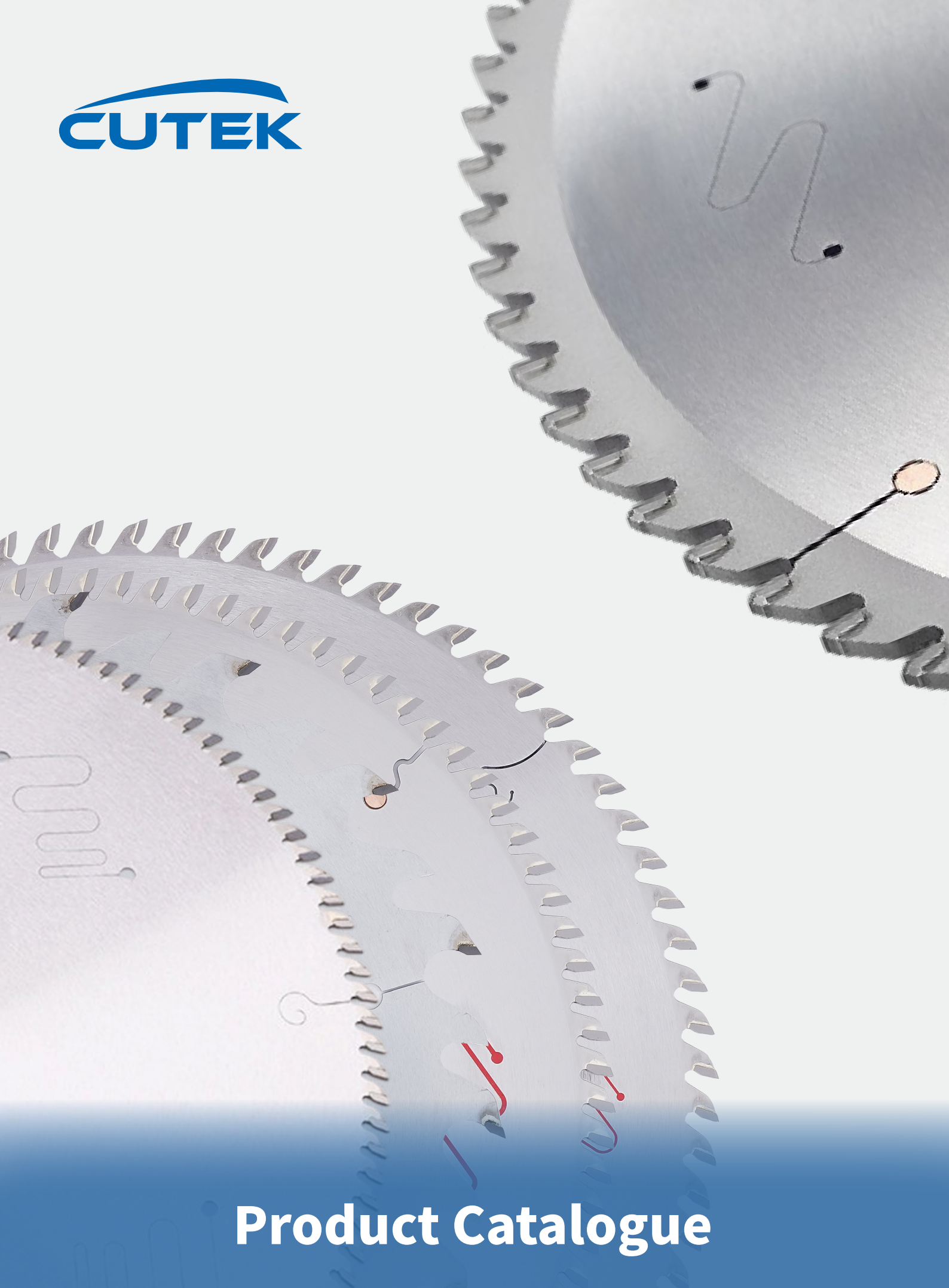




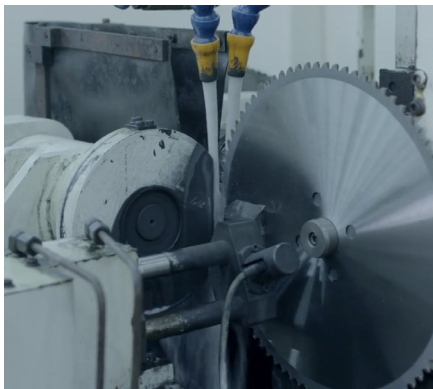
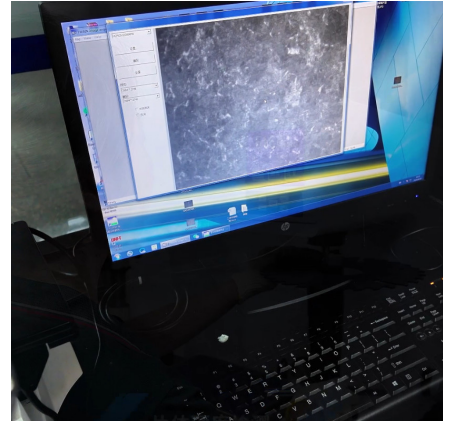
Product Catalogue

About Us

Foshan Ruidian Precision Tools Co., Ltd is a trusted industrial circular saw blade factory based in Guangdong, China, with over 20 years of experience. We specialize in manufacturing high-performance cutting solutions for a wide variety of materials, including aluminum, solid wood, panel board, plastic, steel tubes, solid bars, acrylic, and more.

Research and Development

At CUTEK, our expert team of engineers and material specialists works closely with customers to develop high-performance circular saw blades and optimize their use. We invest in advanced tools and partner with universities and research centers to drive innovation. Through collaborations with customers, we test and refine new products for specific applications. From design to final production, CUTEK is committed to delivering precision, quality, and cutting-edge solutions.



Manufacturing and Production

CUTEK operates advanced manufacturing facilities equipped with laser cutting, CNC brazing, and CNC grinding machines, and other specialized machinery. Supported by a highly skilled workforce with over 10 years of average experience, we ensure efficient production and outstanding quality. Our commitment to precision and reliability meets the high demands of professional users worldwide.

Manufacturing and Production

CUTEK is committed to continuous improvement to deliver reliable, high-quality industrial circular saw blades. Every production stage is closely monitored using advanced testing systems, ensuring each saw blade meets or exceeds design standards. Our dedicated quality team guarantees consistent performance and durability for professional users.

We are equipped with specialized machinery, including stress testers, axial rigidity testers, weld strength testers, and dynamic balancing machines. Additionally, we use advanced equipment to fine-tune the internal stress state of circular saw blades, maximizing cutting precision and lifespan.

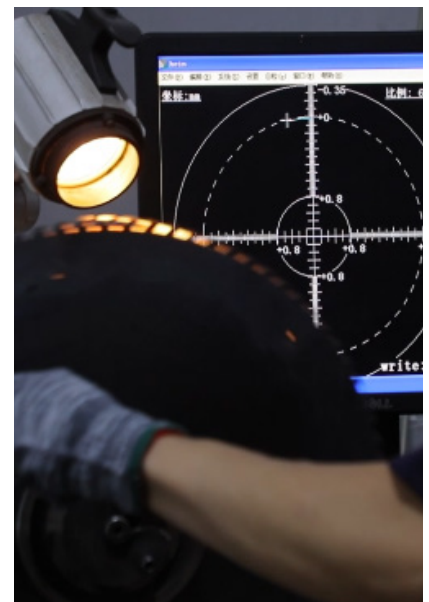


Table of Contents

Solid Wood

SW5A	Saw Blades For Solid Wood Ripping and Crosscutting	1
SW5C	Thin Kerf Multi-rip Saw Blades For Solid Wood	3
SW5D	Multi-rip Saw Blades With Rakers For Solid Wood	4
SW5E	Saw Blades For Solid Wood Trimming and Edging.....	5
SW5F	Saw Blades For Picture Frames and Mouldings	6

Laminated Panels

PW5A	Panel Sizing Circular Saw Blades	7
PW7A	Industrial Panel Sizing Circular Saw Blades.....	8
PWDA	PCD Panel Sizing Circular Saw Blades	11
PWS1	Conical Scoring Saw Blades For Panel Saws.....	14
PWS7	PCD Conical Scoring Saw Blades For Panel Saws.....	16

Non-ferrous Metals

NF5A	Saw Blades For Aluminum and Non-ferrous Metals.....	18
NF5B	Ultra thin Kerf Saw Blades For Non-ferrous Metals.....	20
NFDA	PCD Saw Blades For Aluminum and Non-ferrous Metals	21

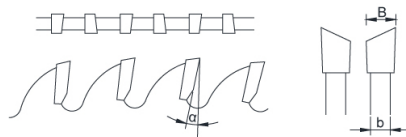
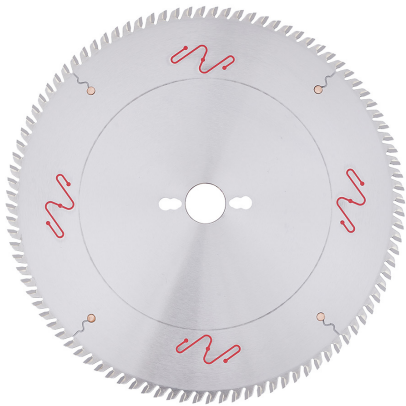
Plastic Materials

AP5A	Thin Kerf Saw Blades For Acrylic and Plastic Materials.....	22
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Ferrous Metals

FM3A	Circular Saw Blades For Ferrous Metal	23
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	Explanation of symbols and abbreviations	24
	Instruction Manual of Saw Blades	26



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

SW5A

Saw Blades For Solid Wood Ripping and Crosscutting

Designed for precise and efficient ripping and crosscutting of solid wood in a variety of applications.

Grade: Industrial

Machines: Cross and trimming saws, joinery machines, squaring saws, table saws, portable saws

Materials: Softwood and hardwood, solid wood beams

Applications: Ripping and crosscutting, trimming

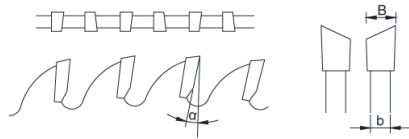
Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
SW5A0101	100	2.2	1.2	25.4	30	ATB	—	15
SW5A0102	110	2.2	1.2	25.4	40	ATB	—	15
SW5A0161	160	2.5	1.5	25.4	40	ATB	—	15
SW5A0162	160	2.5	1.5	25.4	60	ATB	—	15
SW5A0181	180	2.5	1.5	25.4	40	ATB	—	15
SW5A0182	180	2.5	1.5	25.4	60	ATB	—	15
SW5A0183	180	2.5	1.5	25.4	80	ATB	—	15
SW5A0201	200	2.5	1.5	25.4	40	ATB	—	15
SW5A0202	200	2.5	1.5	25.4	60	ATB	—	15
SW5A0203	200	2.5	1.5	25.4	80	ATB	—	15
SW5A0204	200	2.5	1.5	25.4	100	ATB	—	15
SW5A0231	230	2.5	1.5	25.4	40	ATB	—	15
SW5A0232	230	2.5	1.5	25.4	60	ATB	—	15
SW5A0233	230	2.5	1.5	25.4	80	ATB	—	15
SW5A0234	230	2.5	1.5	25.4	100	ATB	—	15
SW5A0251	250	3.2	2.2	25.4	40	ATB	—	15
SW5A0252	250	3.2	2.2	25.4	60	ATB	—	15
SW5A0253	250	3.2	2.2	25.4	80	ATB	—	15
SW5A0254	250	3.2	2.2	25.4	100	ATB	—	15
SW5A0255	250	3.2	2.2	25.4	120	ATB	—	15
SW5A0301	300	3.2	2.2	25.4	40	ATB	—	15
SW5A0302	300	3.2	2.2	25.4	60	ATB	—	15
SW5A0303	300	3.2	2.2	25.4	80	ATB	—	15
SW5A0304	300	3.2	2.2	25.4	100	ATB	—	15
SW5A0305	300	3.2	2.2	25.4	120	ATB	—	15
SW5A0351	350	3.2	2.2	25.4	40	ATB	—	15
SW5A0352	350	3.2	2.2	25.4	60	ATB	—	15
SW5A0353	350	3.2	2.2	25.4	80	ATB	—	15
SW5A0354	350	3.2	2.2	25.4	100	ATB	—	15
SW5A0355	350	3.2	2.2	25.4	120	ATB	—	15
SW5A0356	350	3.2	2.2	25.4	140	ATB	—	15

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	α /°
SW5A0401	400	3.5	2.5	30	40	ATB	–	15
SW5A0402	400	3.5	2.5	30	60	ATB	–	15
SW5A0403	400	3.5	2.5	30	80	ATB	–	15
SW5A0404	400	3.5	2.5	30	100	ATB	–	15
SW5A0405	400	3.5	2.5	30	120	ATB	–	15
SW5A0406	400	3.5	2.5	30	160	ATB	–	15
SW5A0451	450	4.0	3.0	30	60	ATB	–	15
SW5A0452	450	4.0	3.0	30	80	ATB	–	15
SW5A0453	450	4.0	3.0	30	100	ATB	–	15
SW5A0454	450	4.0	3.0	30	120	ATB	–	15
SW5A0501	500	4.5	3.5	30	60	ATB	–	15
SW5A0502	500	4.5	3.5	30	80	ATB	–	15
SW5A0503	500	4.5	3.5	30	100	ATB	–	15
SW5A0504	500	4.5	3.5	30	120	ATB	–	15
SW5A0601	600	5.0	4.0	40	60	ATB	–	15
SW5A0602	600	5.0	4.0	40	72	ATB	–	15
SW5A0701	700	5.5	4.5	40	50	ATB	–	15
SW5A0702	700	5.5	4.5	40	72	ATB	–	15
SW5A0801	800	6.0	5.0	40	72	ATB	–	15
SW5A0901	900	8.0	6.0	40	78	ATB	–	15
SW5A1001	1000	8.5	6.5	40	80	ATB	–	15

- Maximum diameter available upon request: 1500 mm.
- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Rakers: None

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

SW5C

Thin Kerf Multi-rip Saw Blades For Solid Wood

Ultra-thin kerf gang rip circular saw blades designed for minimum material waste.

Grade: Industrial

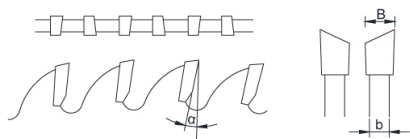
Machines: Multi-rip saw machines and moulders, gang rip saws

Materials: softwood and hardwood with a maximum humidity rate of 10%

Applications: Multiripping and moulding

Code	D mm	B mm	b mm	d mm	Z	Teeth Type	Pinholes	α /°
SW5C0181	180	1.5	1.0	40	24	ATB	2KN 12*5	20
SW5C0201	200	1.5	1.0	40	28	ATB	2KN 12*5	20
SW5C0202	200	1.5	1.0	40	36	ATB	2KN 12*5	20
SW5C0203	200	1.7	1.2	40	36	ATB	2KN 12*5	20
SW5C0231	230	1.5	1.0	40	28	ATB	2KN 12*5	20
SW5C0232	230	1.5	1.0	40	36	ATB	2KN 12*5	20
SW5C0233	230	1.7	1.2	40	36	ATB	2KN 12*5	20
SW5C0251	250	1.7	1.2	40	24	ATB	2KN 21*5	20
SW5C0252	250	1.7	1.2	40	36	ATB	2KN 21*5	20
SW5C0253	250	2.2	1.6	40	36	ATB	2KN 21*5	20
SW5C0281	280	2.2	1.6	40	36	ATB	2KN 21*5	20
SW5C0301	300	2.2	1.6	40	36	ATB	2KN 21*5	20
SW5C0351	350	2.5	1.8	40	40	ATB	2KN 21*5	20

- Maximum diameter available upon request: 700 mm.
- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Rakers: Equipped

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

SW5D

Multi-rip Saw Blades With Rakers For Solid Wood

Thin kerf circular gang rip saw blades designed for minimum material waste.

Grade: Industrial

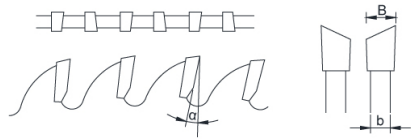
Machines: Multi-rip saw machines and moulders, gang rip saws

Materials: softwood and hardwood with a maximum humidity rate of 15%

Applications: Multiripping and moulding

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
SW5D0181	180	2.2	1.6	40	16+2	ATB	2KN 12*5	20
SW5D0182	180	2.2	1.6	40	24+2	ATB	2KN 12*5	20
SW5D0201	200	2.2	1.6	40	16+2	ATB	2KN 12*5	20
SW5D0202	200	2.2	1.6	40	24+2	ATB	2KN 12*5	20
SW5D0231	230	2.2	1.6	40	16+2	ATB	2KN 21*5	20
SW5D0232	230	2.2	1.6	40	24+2	ATB	2KN 21*5	20
SW5D0251	250	2.2	1.6	40	20+2	ATB	4KN 21*5	20
SW5D0252	250	2.2	1.6	40	24+2	ATB	4KN 21*5	20
SW5D0253	250	2.2	1.6	40	28+4	ATB	4KN 21*5	20
SW5D0281	280	2.2	1.6	40	24+2	ATB	4KN 21*5	20
SW5D0282	280	2.2	1.6	40	36+4	ATB	4KN 21*5	20
SW5D0301	300	2.5	1.8	40	24+2	ATB	4KN 21*5	20
SW5D0302	300	2.5	1.8	40	36+4	ATB	4KN 21*5	20
SW5D0351	350	3.0	2.2	40	24+4	ATB	4KN 21*5	20
SW5D0352	350	3.0	2.2	40	36+4	ATB	4KN 21*5	20
SW5D0401	400	3.5	2.7	40	28+6	ATB	4KN 21*5	20
SW5D0402	400	3.5	2.7	40	36+6	ATB	4KN 21*5	20
SW5D0451	450	3.8	3.0	40	36+6	ATB	4KN 21*5	20

- Maximum diameter available upon request: 700 mm.
- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

SW5E

Saw Blades For Solid Wood Trimming and Edging

Ideal for shoulder cuts, trimming irregular edges, and preparing clean edges on rough lumber or slabs.

Grade: Industrial

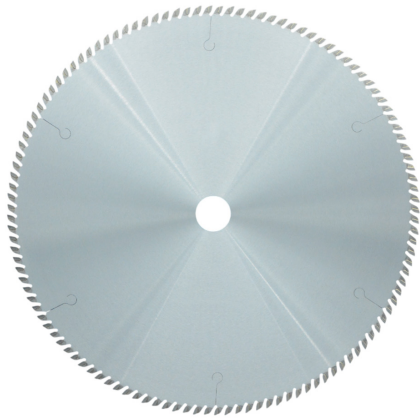
Machines: Trimming saws, table saws, squaring saws, edging saws

Materials: softwood, hardwood, wood-based panel(e.g. MDF, plywood, particle wood)

Applications: Trimming, edging, crosscutting and ripping

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
SW5E0301	300	3.2	2.2	30	48	ATB	2/7/42+ 2/9/46.4+ 2/10/60	15
SW5E0302	300	3.2	2.2	30	60	ATB	2/7/42+ 2/9/46.4+ 2/10/60	15
SW5E0303	300	4.0	3.0	25.4	48	ATB	—	15
SW5E0304	300	4.0	3.0	30	48	ATB	—	15
SW5E0305	300	4.0	3.0	50.8	60	ATB	2/15/130	15
SW5E0351	350	5.0	3.6	50.8	70	ATB	2/15/130	15
SW5E0352	350	5.0	3.6	50.8	70	ATB	2/15/130+ 6/8.5/75+ 6/8.5/160	15
SW5E0401	400	5.0	3.6	50.8	70	ATB	2/15/130	15
SW5E0451	450	5.0	3.8	50.8	70	ATB	2/15/130	15

- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

SW5F

Saw Blades For Picture Frames and Mouldings

Perfect for end trimming wood and plastic frames and mouldings, ensuring exceptionally clean, smooth, and splinter-free results.

Grade: Industrial

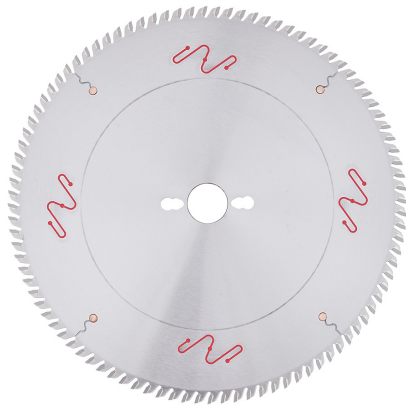
Machines: Double head cutting machines, table saws and squaring saws

Materials: softwood, hardwood, plastic and wood-based materials

Applications: Crosscutting wood, plastic and wood derivatives frames and mouldings

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	α /°
SW5F0231	230	2.0	1.5	25.4	80	ATB5	–	15
SW5F0232	230	2.0	1.5	25.4	100	ATB5	–	15
SW5F0251	255	3.0	2.2	25.4	100	ATB5	–	15
SW5F0252	255	3.0	2.2	25.4	120	ATB5	–	15
SW5F0301	305	3.0	2.2	25.4	100	ATB5	–	15
SW5F0302	305	3.0	2.2	25.4	120	ATB5	–	15
SW5F0351	355	3.0	2.2	25.4	120	ATB5	–	15
SW5F0352	355	3.0	2.2	30	120	ATB5	–	15

- Specifications can be tailored to meet customer requirements.



PW5A

Panel Sizing Circular Saw Blades

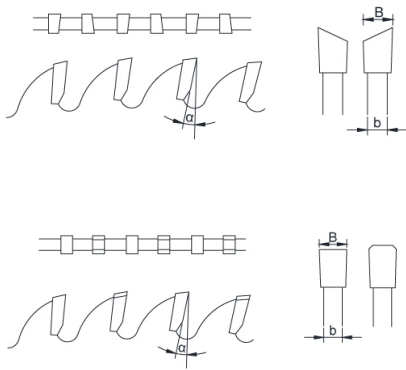
Designed for sizing chipboard, MDF and polywood laminated panels using a scoring saw blade, especially melamine-coated panels, ensuring excellent finishing and extended blade life.

Grade: Industrial

Machines: Sliding table saws, Table saws

Materials: Wood based panels, laminated chipboard, MDF and polywood

Applications: Panel sizing frames and mouldings



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

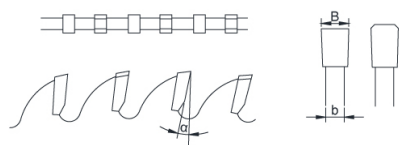
Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	α /°
PW5A0201	200	3.2	2.2	30	64	TCG	2/7/42	10
PW5A0251	250	3.2	2.2	30	80	TCG	FT01	10
PW5A0301	300	3.2	2.2	30	72	TCG	FT01	10
PW5A0302	300	3.2	2.2	30	72	ATB	FT01	10
PW5A0305	300	3.2	2.2	30	96	TCG	FT01	10
PW5A0306	300	3.2	2.2	30	96	ATB	FT01	10
PW5A0351	350	3.5	2.5	30	72	TCG	FT01	10
PW5A0352	350	3.5	2.5	30	72	ATB	FT01	10
PW5A0355	350	3.5	2.5	30	96	TCG	FT01	10
PW5A0356	350	3.5	2.5	30	96	ATB	FT01	10
PW5A0357	350	3.5	2.5	30	108	TCG	FT01	10
PW5A0358	350	3.5	2.5	30	108	ATB	FT01	10

- FT01: 2/9/46.4 + 2/10/60
- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

PW7A

Industrial Panel Sizing Circular Saw Blades

Designed for sizing chipboard, MDF and polywood laminated panels using a scoring saw blade, especially melamine-coated panels, ensuring excellent finishing and extended blade life.

Grade: Industrial

Machines: Horizontal panel sizing machines

Materials: Wood based panels, laminated chipboard, MDF, polywood, HPL, thermoplastic composites and plexiglass

Applications: Industrial panel sizing

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PW7A0300	300	4.0	3.0	30	60	TCG		15
PW7A0301	300	4.0	3.0	30	72	TCG		15
PW7A0302	300	4.0	3.0	80	72	TCG		15
PW7A0303	300	4.0	3.0	30	96	TCG	2/15/110+ 4/9/100	15
PW7A0304	300	4.0	3.0	75	96	TCG		15
PW7A0305	300	4.4	3.2	30	60	TCG		15
PW7A0306	300	4.4	3.2	80	60	TCG		15
PW7A0307	300	4.4	3.2	30	72	TCG	2/15/110+ 4/9/100	15
PW7A0308	300	4.4	3.2	80	72	TCG		15
PW7A0309	300	4.4	3.2	30	96	TCG	2/15/110+ 4/9/100	15
PW7A030A	300	4.4	3.2	75	96	TCG		15
PW7A030B	300	4.4	3.2	80	96	TCG		15
PW7A0350	350	4.0	3.0	30	72	TCG		15
PW7A0351	350	4.0	3.0	60	72	TCG		15
PW7A0352	350	4.0	3.0	30	84	TCG	4/9/100+ 2/9/110+ 2/15/110	15
PW7A0353	350	4.0	3.0	60	84	TCG	2/15/100	15
PW7A0354	350	4.4	3.2	25.4	72	TCG	2/15/100	15
PW7A0355	350	4.4	3.2	30	72	TCG		15
PW7A0356	350	4.4	3.2	60	72	TCG		15
PW7A0357	350	4.4	3.2	75	72	TCG	2/15/100	15
PW7A0358	350	4.4	3.2	80	72	TCG	4/15/105	15
PW7A0359	350	4.4	3.2	25.4	84	TCG		15
PW7A035A	350	4.4	3.2	30	84	TCG		15
PW7A035B	350	4.4	3.2	60	84	TCG	2/15/100	15
PW7A035C	350	4.4	3.2	75	84	TCG	4/15/105	15

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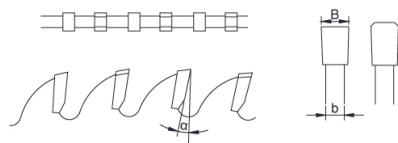
Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PW7A035D	350	4.4	3.2	80	84	TCG	4/9/100+2/9/110+2/15/110	15
PW7A035E	350	4.4	3.2	25.4	96	TCG		15
PW7A035F	350	4.4	3.2	30	96	TCG		15
PW7A035G	350	4.4	3.2	60	96	TCG	4/15/100	15
PW7A035H	350	4.4	3.2	75	96	TCG	4/15/105	15
PW7A035I	350	4.4	3.2	80	96	TCG	4/9/100+2/9/110+2/15/110	15
PW7A0380	380	4.4	3.2	30	72	TCG		15
PW7A0381	380	4.4	3.2	60	72	TCG	2/15/100	15
PW7A0382	380	4.4	3.2	75	72	TCG	4/15/105	15
PW7A0383	380	4.4	3.2	80	72	TCG	4/9/100+2/9/110+2/15/110	15
PW7A0384	380	4.4	3.2	30	84	TCG		15
PW7A0385	380	4.4	3.2	60	84	TCG	2/15/100	15
PW7A0386	380	4.4	3.2	80	84	TCG	4/9/100+2/9/110+2/15/110	15
PW7A0387	380	4.4	3.2	30	96	TCG		15
PW7A0388	380	4.4	3.2	60	96	TCG	2/15/100	15
PW7A0389	380	4.4	3.2	75	96	TCG	4/15/105	15
PW7A038A	380	4.4	3.2	80	96	TCG	4/9/100+2/9/110+2/15/110	15
PW7A038B	380	4.8	3.6	60	72	TCG	2/15/100	15
PW7A038C	380	4.8	3.6	80	72	TCG	4/9/100+2/9/110+2/15/110	15
PW7A038D	380	4.8	3.6	60	84	TCG	2/15/100	15
PW7A038E	380	4.8	3.6	80	84	TCG	4/9/100+2/9/110+2/15/110	15
PW7A038F	380	4.8	3.6	60	96	TCG	2/15/100	15
PW7A038G	380	4.8	3.6	80	96	TCG	4/9/100+2/9/110+2/15/110	15
PW7A0400	400	4.4	3.2	30	72	TCG		15
PW7A0401	400	4.4	3.2	60	72	TCG	2/15/100	15
PW7A0402	400	4.4	3.2	75	72	TCG	4/15/105	15
PW7A0403	400	4.4	3.2	80	72	TCG	4/19/120+2/9/130	15
PW7A0404	400	4.4	3.2	30	84	TCG		15
PW7A0405	400	4.4	3.2	60	84	TCG	2/15/100	15
PW7A0406	400	4.4	3.2	75	84	TCG	4/15/105	15
PW7A0407	400	4.4	3.2	80	84	TCG	4/19/120+2/9/130	15
PW7A0408	400	4.4	3.2	60	96	TCG	2/15/100	15
PW7A0409	400	4.4	3.2	75	96	TCG	4/15/105	15
PW7A040A	400	4.4	3.2	80	96	TCG	4/19/120+2/9/130	15
PW7A040B	400	4.8	3.6	60	72	TCG	2/15/100+2/15/125	15
PW7A040C	400	4.8	3.6	75	72	TCG	4/15/105	15
PW7A040D	400	4.8	3.6	60	84	TCG	2/15/100+2/15/125	15
PW7A0430	430	4.4	3.2	80	72	TCG	4/19/120+2/9/130	15
PW7A0431	430	4.4	3.2	75	96	TCG	4/15/105	15
PW7A0432	430	4.8	3.6	75	96	TCG	4/15/105	15
PW7A0433	430	4.8	3.6	80	96	TCG	4/19/120+2/9/130	15
PW7A0450	450	4.4	3.2	30	72	TCG	2/13/94	15

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PW7A0451	450	4.4	3.2	60	72	TCG	2/10/80+2/15/125	15
PW7A0452	450	4.4	3.2	80	72	TCG	2/9/130+4/19/120	15
PW7A0453	450	4.4	3.2	60	84	TCG	2/10/80+2/15/125	15
PW7A0454	450	4.4	3.2	75	84	TCG	4/15/105	15
PW7A0455	450	4.4	3.2	80	84	TCG	2/9/130+4/19/120	15
PW7A0456	450	4.8	3.6	30	72	TCG	2/13/94	15
PW7A0457	450	4.8	3.6	60	72	TCG	2/10/80+2/15/125	15
PW7A0458	450	4.8	3.6	80	72	TCG	2/9/130+4/19/120	15
PW7A0459	450	4.8	3.6	60	84	TCG	2/10/80+2/15/125	15
PW7A045A	450	4.8	3.6	80	84	TCG	2/9/130+4/19/120	15
PW7A045B	450	4.8	3.6	60	96	TCG	2/10/80+2/15/125	15
PW7A045C	450	4.8	3.6	80	96	TCG	2/9/130+4/19/120	15
PW7A0480	480	4.8	3.6	60	72	TCG	2/11/115+2/19/120	15
PW7A0481	480	4.8	3.6	80	72	TCG	2/9/130+4/19/120	15
PW7A0482	480	4.8	3.6	60	84	TCG	2/11/115+2/19/120	15
PW7A0483	480	4.8	3.6	80	84	TCG	2/9/130+4/19/120	15
PW7A0500	500	4.8	3.6	60	72	TCG	2/11/115	15
PW7A0501	500	4.8	3.6	60	84	TCG	2/11/115	15
PW7A0520	520	4.8	3.6	30	72	TCG	2/13/94	15
PW7A0521	520	4.8	3.6	60	72	TCG	2/11/115+2/19/120	15
PW7A0522	520	4.8	3.6	60	84	TCG	2/11/115+2/19/120	15
PW7A0600	600	5.8	4.0	60	60	TCG	2/11/115+2/19/120	15
PW7A0601	600	5.8	4.0	60	72	TCG	2/11/115+2/19/120	15
PW7A0730	730	7.0	5.2	80	70	TCG	2/17/110	18

- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Polycrystalline Diamond(PCD)

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

PWDA

PCD Panel Sizing Circular Saw Blades

Designed for sizing chipboard, MDF and polywood laminated panels using a scoring saw blade, especially melamine-coated panels, ensuring excellent finishing and extended blade life.

Grade: Industrial

Machines: Horizontal panel sizing machines

Materials: Wood based panels, laminated chipboard, MDF, polywood, HPL, thermoplastic composites and plexiglass

Applications: Industrial panel sizing

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PWDA0300	300	4.0	3.0	30	60	TCG		15
PWDA0301	300	4.0	3.0	30	72	TCG		15
PWDA0302	300	4.0	3.0	80	72	TCG		15
PWDA0303	300	4.0	3.0	30	96	TCG	2/15/110+ 4/9/100	15
PWDA0304	300	4.0	3.0	75	96	TCG		15
PWDA0305	300	4.4	3.2	30	60	TCG		15
PWDA0306	300	4.4	3.2	80	60	TCG		15
PWDA0307	300	4.4	3.2	30	72	TCG	2/15/110+ 4/9/100	15
PWDA0308	300	4.4	3.2	80	72	TCG		15
PWDA0309	300	4.4	3.2	30	96	TCG	2/15/110+ 4/9/100	15
PWDA030A	300	4.4	3.2	75	96	TCG		15
PWDA030B	300	4.4	3.2	80	96	TCG		15
PWDA0350	350	4.0	3.0	30	72	TCG		15
PWDA0351	350	4.0	3.0	60	72	TCG		15
PWDA0352	350	4.0	3.0	30	84	TCG	4/9/100+ 2/9/110+ 2/15/110	15
PWDA0353	350	4.0	3.0	60	84	TCG	2/15/100	15
PWDA0354	350	4.4	3.2	25.4	72	TCG	2/15/100	15
PWDA0355	350	4.4	3.2	30	72	TCG		15
PWDA0356	350	4.4	3.2	60	72	TCG		15
PWDA0357	350	4.4	3.2	75	72	TCG	2/15/100	15
PWDA0358	350	4.4	3.2	80	72	TCG	4/15/105	15
PWDA0359	350	4.4	3.2	25.4	84	TCG		15
PWDA035A	350	4.4	3.2	30	84	TCG		15
PWDA035B	350	4.4	3.2	60	84	TCG	2/15/100	15
PWDA035C	350	4.4	3.2	75	84	TCG	4/15/105	15

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PWDA035D	350	4.4	3.2	80	84	TCG	4/9/100+2/9/110+2/15/110	15
PWDA035E	350	4.4	3.2	25.4	96	TCG		15
PWDA035F	350	4.4	3.2	30	96	TCG		15
PWDA035G	350	4.4	3.2	60	96	TCG	4/15/100	15
PWDA035H	350	4.4	3.2	75	96	TCG	4/15/105	15
PWDA035I	350	4.4	3.2	80	96	TCG	4/9/100+2/9/110+2/15/110	15
PWDA0380	380	4.4	3.2	30	72	TCG		15
PWDA0381	380	4.4	3.2	60	72	TCG	2/15/100	15
PWDA0382	380	4.4	3.2	75	72	TCG	4/15/105	15
PWDA0383	380	4.4	3.2	80	72	TCG	4/9/100+2/9/110+2/15/110	15
PWDA0384	380	4.4	3.2	30	84	TCG		15
PWDA0385	380	4.4	3.2	60	84	TCG	2/15/100	15
PWDA0386	380	4.4	3.2	80	84	TCG	4/9/100+2/9/110+2/15/110	15
PWDA0387	380	4.4	3.2	30	96	TCG		15
PWDA0388	380	4.4	3.2	60	96	TCG	2/15/100	15
PWDA0389	380	4.4	3.2	75	96	TCG	4/15/105	15
PWDA038A	380	4.4	3.2	80	96	TCG	4/9/100+2/9/110+2/15/110	15
PWDA038B	380	4.8	3.6	60	72	TCG	2/15/100	15
PWDA038C	380	4.8	3.6	80	72	TCG	4/9/100+2/9/110+2/15/110	15
PWDA038D	380	4.8	3.6	60	84	TCG	2/15/100	15
PWDA038E	380	4.8	3.6	80	84	TCG	4/9/100+2/9/110+2/15/110	15
PWDA038F	380	4.8	3.6	60	96	TCG	2/15/100	15
PWDA038G	380	4.8	3.6	80	96	TCG	4/9/100+2/9/110+2/15/110	15
PWDA0400	400	4.4	3.2	30	72	TCG		15
PWDA0401	400	4.4	3.2	60	72	TCG	2/15/100	15
PWDA0402	400	4.4	3.2	75	72	TCG	4/15/105	15
PWDA0403	400	4.4	3.2	80	72	TCG	4/19/120+2/9/130	15
PWDA0404	400	4.4	3.2	30	84	TCG		15
PWDA0405	400	4.4	3.2	60	84	TCG	2/15/100	15
PWDA0406	400	4.4	3.2	75	84	TCG	4/15/105	15
PWDA0407	400	4.4	3.2	80	84	TCG	4/19/120+2/9/130	15
PWDA0408	400	4.4	3.2	60	96	TCG	2/15/100	15
PWDA0409	400	4.4	3.2	75	96	TCG	4/15/105	15
PWDA040A	400	4.4	3.2	80	96	TCG	4/19/120+2/9/130	15
PWDA040B	400	4.8	3.6	60	72	TCG	2/15/100+2/15/125	15
PWDA040C	400	4.8	3.6	75	72	TCG	4/15/105	15
PWDA040D	400	4.8	3.6	60	84	TCG	2/15/100+2/15/125	15
PWDA0430	430	4.4	3.2	80	72	TCG	4/19/120+2/9/130	15
PWDA0431	430	4.4	3.2	75	96	TCG	4/15/105	15
PWDA0432	430	4.8	3.6	75	96	TCG	4/15/105	15
PWDA0433	430	4.8	3.6	80	96	TCG	4/19/120+2/9/130	15
PWDA0450	450	4.4	3.2	30	72	TCG	2/13/94	15

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PWDA0451	450	4.4	3.2	60	72	TCG	2/10/80+2/15/125	15
PWDA0452	450	4.4	3.2	80	72	TCG	2/9/130+4/19/120	15
PWDA0453	450	4.4	3.2	60	84	TCG	2/10/80+2/15/125	15
PWDA0454	450	4.4	3.2	75	84	TCG	4/15/105	15
PWDA0455	450	4.4	3.2	80	84	TCG	2/9/130+4/19/120	15
PWDA0456	450	4.8	3.6	30	72	TCG	2/13/94	15
PWDA0457	450	4.8	3.6	60	72	TCG	2/10/80+2/15/125	15
PWDA0458	450	4.8	3.6	80	72	TCG	2/9/130+4/19/120	15
PWDA0459	450	4.8	3.6	60	84	TCG	2/10/80+2/15/125	15
PWDA045A	450	4.8	3.6	80	84	TCG	2/9/130+4/19/120	15
PWDA045B	450	4.8	3.6	60	96	TCG	2/10/80+2/15/125	15
PWDA045C	450	4.8	3.6	80	96	TCG	2/9/130+4/19/120	15
PWDA0480	480	4.8	3.6	60	72	TCG	2/11/115+2/19/120	15
PWDA0481	480	4.8	3.6	80	72	TCG	2/9/130+4/19/120	15
PWDA0482	480	4.8	3.6	60	84	TCG	2/11/115+2/19/120	15
PWDA0483	480	4.8	3.6	80	84	TCG	2/9/130+4/19/120	15
PWDA0500	500	4.8	3.6	60	72	TCG	2/11/115	15
PWDA0501	500	4.8	3.6	60	84	TCG	2/11/115	15
PWDA0520	520	4.8	3.6	30	72	TCG	2/13/94	15
PWDA0521	520	4.8	3.6	60	72	TCG	2/11/115+2/19/120	15
PWDA0522	520	4.8	3.6	60	84	TCG	2/11/115+2/19/120	15
PWDA0600	600	5.8	4.0	60	60	TCG	2/11/115+2/19/120	15
PWDA0601	600	5.8	4.0	60	72	TCG	2/11/115+2/19/120	15
PWDA0730	730	7.0	5.2	80	70	TCG	2/17/110	18

- Specifications can be tailored to meet customer requirements.



PWS1

Conical Scoring Saw Blades For Panel Saws

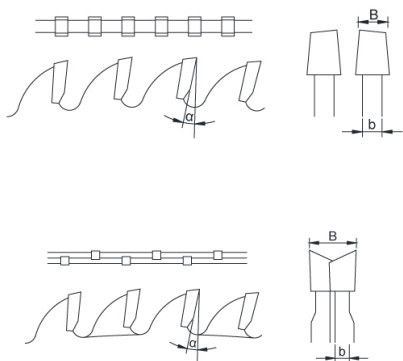
Designed for scoring the coating on bilaminated panels such as chipboard, MDF and polywood, especially melamine-coated panels, ensuring excellent finishing and extended blade life.

Grade: Industrial

Machines: Horizontal panel sizing machines, Sliding table saws, Table saws

Materials: Wood based panels, laminated chipboard, MDF, polywood, HPL, thermoplastic composites and plexiglass

Applications: Panel scoring



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available

Coating: Polished finish or chrome plating

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	α /°
PWS10101	100	3.1-4.3	2.2	20	24	Conical	-	0
PWS10102	100	3.1-4.3	2.2	22	24	Conical	-	0
PWS10121	120	2.8-4.0	2.2	20	24	Conical	-	0
PWS10122	120	2.8-4.0	2.2	22	24	Conical	-	0
PWS10123	120	3.1-4.3	2.2	20	24	Conical	-	0
PWS10124	120	3.1-4.3	2.2	22	24	Conical	-	0
PWS10125	125	3.1-4.3	2.2	20	24	Conical	-	0
PWS10126	125	4.3-5.5	3.2	20	24	Conical	-	0
PWS10151	150	3.1-4.3	2.2	30	36	Conical	-	8
PWS10152	150	4.3-5.6	3.2	45	36	Conical	-	8
PWS10153	150	4.5-5.8	3.0	45	36	Conical	-	8
PWS10161	160	4.3-5.5	3.2	30	36	Conical	-	8
PWS10162	160	4.3-5.5	3.2	45	36	Conical	3/11/70	8
PWS10163	160	4.3-5.5	3.2	55	36	Conical	3/6/84+ 3/7/66	8
PWS10164	160	4.5-5.7	3.0	45	36	Conical	3/11/70	8
PWS10165	160	4.5-5.7	3.0	55	36	Conical	3/7/66+ 3/9/72	8
PWS10181	180	4.3-5.5	3.2	20	36	Conical	-	8
PWS10182	180	4.3-5.5	3.2	30	36	Conical	2/7/42+ 2/10/60	8
PWS10183	180	4.3-5.5	3.2	45	36	Conical	-	8
PWS10184	180	4.7-5.9	3.5	45	36	Conical	-	8
PWS10201	200	4.3-5.5	3.2	30	36	Conical	2/9/60+ 2/10/60	8
PWS10202	200	4.3-5.5	3.2	45	36	Conical	-	8
PWS10203	200	4.3-5.5	3.2	50	36	Conical	2/7/80+ 3/13/80	8
PWS10204	200	4.3-5.5	3.2	65	36	Conical	2/9/100+ 2/9/110	8
PWS10205	200	4.3-5.5	3.2	75	36	Conical	-	8
PWS10206	200	4.3-5.5	3.2	80	36	Conical	2/14/110	8

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PWS10207	200	4.7–5.9	3.5	30	36	Conical	2/9/60	8
PWS10208	200	4.7–5.9	3.5	45	36	Conical	–	8
PWS10209	200	4.7–5.9	3.5	65	36	Conical	2/9/100+ 2/9/110	8
PWS1020A	200	5.7–6.9	4.0	45	36	Conical	–	8
PWS1020B	200	5.7–6.9	4.0	65	36	Conical	2/9/110	8
PWS20105	100	2.8–3.6	2.0	20	12+12	ATB	–	10
PWS20106	100	2.8–3.6	2.0	22	12+12	ATB	–	10
PWS2012A	120	2.8–3.6	2.0	20	12+12	ATB	–	10
PWS2012B	120	2.8–3.6	2.0	22	12+12	ATB	–	10
PWS2012C	125	2.8–3.6	2.0	20	12+12	ATB	–	10
PWS2012D	125	2.8–3.6	2.0	22	12+12	ATB	–	10

- Specifications can be tailored to meet customer requirements.



PWS7

PCD Conical Scoring Saw Blades For Panel Saws

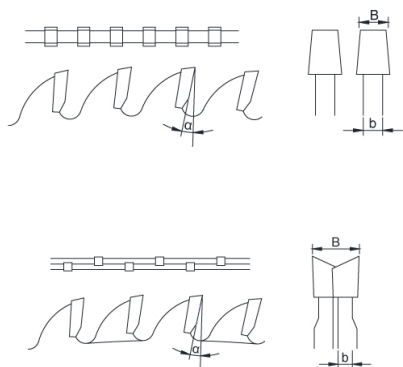
Designed for scoring the coating on bilaminated panels such as chipboard, MDF and polywood, especially melamine-coated panels, ensuring excellent finishing and extended blade life.

Grade: Industrial

Machines: Horizontal panel sizing machines, Sliding table saws, Table saws

Materials: Wood based panels, laminated chipboard, MDF, polywood, HPL, thermoplastic composites and plexiglass

Applications: Panel scoring



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Polycrystalline
Diamond(PCD)

Expansion Slots: Available

Coating: Polished finish or
chrome plating

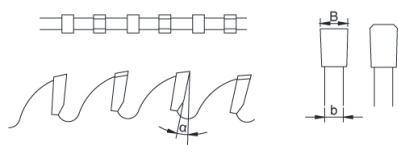
Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	α / °
PWS70101	100	3.1-4.3	2.2	20	24	Conical	-	0
PWS70102	100	3.1-4.3	2.2	22	24	Conical	-	0
PWS70121	120	2.8-4.0	2.2	20	24	Conical	-	0
PWS70122	120	2.8-4.0	2.2	22	24	Conical	-	0
PWS70123	120	3.1-4.3	2.2	20	24	Conical	-	0
PWS70124	120	3.1-4.3	2.2	22	24	Conical	-	0
PWS70125	125	3.1-4.3	2.2	20	24	Conical	-	0
PWS70126	125	4.3-5.5	3.2	20	24	Conical	-	0
PWS70151	150	3.1-4.3	2.2	30	36	Conical	-	8
PWS70152	150	4.3-5.6	3.2	45	36	Conical	-	8
PWS70153	150	4.5-5.8	3.0	45	36	Conical	-	8
PWS70161	160	4.3-5.5	3.2	30	36	Conical	-	8
PWS70162	160	4.3-5.5	3.2	45	36	Conical	3/11/70	8
PWS70163	160	4.3-5.5	3.2	55	36	Conical	3/6/84+ 3/7/66	8
PWS70164	160	4.5-5.7	3.0	45	36	Conical	3/11/70	8
PWS70165	160	4.5-5.7	3.0	55	36	Conical	3/7/66+ 3/9/72	8
PWS70181	180	4.3-5.5	3.2	20	36	Conical	-	8
PWS70182	180	4.3-5.5	3.2	30	36	Conical	2/7/42+ 2/10/60	8
PWS70183	180	4.3-5.5	3.2	45	36	Conical	-	8
PWS70184	180	4.7-5.9	3.5	45	36	Conical	-	8
PWS70201	200	4.3-5.5	3.2	30	36	Conical	2/9/60+ 2/10/60	8
PWS70202	200	4.3-5.5	3.2	45	36	Conical	-	8
PWS70203	200	4.3-5.5	3.2	50	36	Conical	2/7/80+ 3/13/80	8
PWS70204	200	4.3-5.5	3.2	65	36	Conical	2/9/100+ 2/9/110	8
PWS70205	200	4.3-5.5	3.2	75	36	Conical	-	8
PWS70206	200	4.3-5.5	3.2	80	36	Conical	2/14/110	8

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
PWS70207	200	4.7–5.9	3.5	30	36	Conical	2/9/60	8
PWS70208	200	4.7–5.9	3.5	45	36	Conical	–	8
PWS70209	200	4.7–5.9	3.5	65	36	Conical	2/9/100+ 2/9/110	8
PWS7020A	200	5.7–6.9	4.0	45	36	Conical	–	8
PWS7020B	200	5.7–6.9	4.0	65	36	Conical	2/9/110	8
PWS80105	100	2.8–3.6	2.0	20	12+12	ATB	–	10
PWS80106	100	2.8–3.6	2.0	22	12+12	ATB	–	10
PWS8012A	120	2.8–3.6	2.0	20	12+12	ATB	–	10
PWS8012B	120	2.8–3.6	2.0	22	12+12	ATB	–	10
PWS8012C	125	2.8–3.6	2.0	20	12+12	ATB	–	10
PWS8012D	125	2.8–3.6	2.0	22	12+12	ATB	–	10

- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

NF5A

Saw Blades For Aluminum and Non-ferrous Metals

Suitable for cutting aluminum and its alloys, as well as copper, brass, bronze, lead, magnesium, and titanium.

Grade: Industrial

Machines: Double head cutting machines, CNC cutting machines, table saws, mitre saws

Materials: Profiles, tubes, billets, bars, rods, sheets, and plates made of aluminum and other non-ferrous metals

Applications: Aluminium and non-ferrous metals cutting

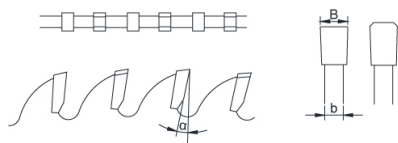
Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
NF5A0181	180	2.0	1.3	25.4	60	TCG	—	5
NF5A0182	180	2.0	1.3	25.4	80	TCG	—	5
NF5A0201	205	2.5	1.8	25.4	100	TCG	—	5
NF5A0231	230	2.5	1.8	25.4	100	TCG	—	5
NF5A0251	255	2.8	2.2	25.4	60	TCG	—	5
NF5A0252	255	2.8	2.2	25.4	80	TCG	—	5
NF5A0253	255	2.8	2.2	25.4	100	TCG	—	5
NF5A0254	255	2.8	2.2	25.4	120	TCG	—	5
NF5A0255	255	2.8	2.2	25.4	130	TCG	—	5
NF5A0301	305	3.0	2.4	25.4	60	TCG	—	5
NF5A0302	305	3.0	2.4	25.4	80	TCG	—	5
NF5A0303	305	3.0	2.4	25.4	100	TCG	—	5
NF5A0304	305	3.0	2.4	25.4	120	TCG	—	5
NF5A0305	305	3.0	2.4	25.4	130	TCG	—	5
NF5A0351	355	3.2	2.5	25.4	60	TCG	—	5
NF5A0352	355	3.2	2.5	25.4	80	TCG	—	5
NF5A0353	355	3.2	2.5	25.4	100	TCG	—	5
NF5A0354	355	3.2	2.5	25.4	120	TCG	—	5
NF5A0355	355	3.2	2.5	25.4	144	TCG	—	5
NF5A0401	405	3.5	2.8	25.4	60	TCG	—	5
NF5A0402	405	3.5	2.8	25.4	80	TCG	—	5
NF5A0403	405	3.5	2.8	25.4	100	TCG	—	5
NF5A0404	405	3.5	2.8	25.4	120	TCG	—	5
NF5A0405	405	3.5	2.8	25.4	144	TCG	—	5
NF5A0451	455	4.0	3.2	25.4	60	TCG	—	5
NF5A0452	455	4.0	3.2	25.4	80	TCG	—	5
NF5A0453	455	4.0	3.2	25.4	100	TCG	—	5
NF5A0454	455	4.0	3.2	25.4	120	TCG	—	5
NF5A0501	500	4.5	3.8	25.4	60	TCG	—	5
NF5A0502	500	4.5	3.8	25.4	80	TCG	—	5
NF5A0503	500	4.5	3.8	25.4	100	TCG	—	5
NF5A0504	500	4.5	3.8	25.4	120	TCG	—	5
NF5A0505	500	4.5	3.8	25.4	144	TCG	—	5

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Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
NF5A0551	550	5.0	4.0	38	60	TCG	–	5
NF5A0552	550	5.0	4.0	38	72	TCG	–	5
NF5A0553	550	5.0	4.0	38	100	TCG	–	5
NF5A0554	550	5.0	4.0	38	120	TCG	–	5
NF5A0555	550	5.0	4.0	38	144	TCG	–	5
NF5A0601	600	5.0	4.0	40	60	TCG	–	5
NF5A0602	600	5.0	4.0	40	72	TCG	–	5
NF5A0603	600	5.0	4.0	40	100	TCG	–	5
NF5A0604	600	5.0	4.0	40	120	TCG	–	5
NF5A0605	600	5.0	4.0	40	144	TCG	–	5
NF5A0651	650	5.5	4.5	40	72	TCG	–	5
NF5A0652	650	5.5	4.5	40	100	TCG	–	5
NF5A0653	650	5.5	4.5	40	120	TCG	–	5
NF5A0654	650	5.5	4.5	40	144	TCG	–	5
NF5A0701	700	5.5	4.5	40	72	TCG	–	5
NF5A0702	700	5.5	4.5	40	100	TCG	–	5
NF5A0703	700	5.5	4.5	40	120	TCG	–	5
NF5A0704	700	5.5	4.5	40	144	TCG	–	5
NF5A0751	750	6.0	5.0	40	72	TCG	–	5
NF5A0752	750	6.0	5.0	40	100	TCG	–	5
NF5A0753	750	6.0	5.0	40	120	TCG	–	5
NF5A0754	750	6.0	5.0	40	144	TCG	–	5
NF5A0801	800	6.5	5.0	40	72	TCG	–	5
NF5A0802	800	6.5	5.0	40	120	TCG	–	5
NF5A0803	800	6.5	5.0	40	144	TCG	–	5
NF5A0851	850	6.5	5.0	40	72	TCG	–	5
NF5A0852	850	6.5	5.0	40	120	TCG	–	5
NF5A0853	850	7.0	5.5	40	144	TCG	–	5
NF5A0901	900	7.0	5.5	50	72	TCG	–	5
NF5A0902	900	7.0	5.5	50	120	TCG	–	5
NF5A0903	900	7.0	5.5	50	144	TCG	–	5
NF5A1001	1000	7.0	5.5	50	72	TCG	–	5
NF5A1002	1000	8.0	6.0	50	100	TCG	–	5
NF5A1003	1000	8.0	6.0	50	120	TCG	–	5
NF5A1004	1000	8.0	6.0	50	144	TCG	–	5

- Maximum diameter available upon request: 1500 mm.
- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

NF5B

Ultra thin Kerf Saw Blades For Non-ferrous Metals

Suitable for cutting thin sections of aluminum and its alloys, as well as copper, brass, bronze, lead, magnesium, and titanium.

Grade: Industrial

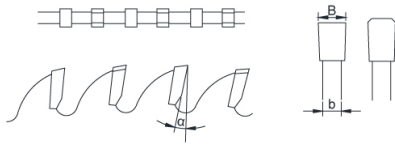
Machines: Double head cutting machines, CNC cutting machines, table saws, mitre saws

Materials: Applicable to thin profiles and tubes, small bar sections, sheets, and plates composed of aluminum and various non-ferrous metals.

Applications: Aluminium and non-ferrous metals cutting

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
NF5B0151	150	1.2	0.8	25.4	60	TCG	—	5
NF5B0161	160	1.5	1.1	25.4	60	TCG	—	5
NF5B0181	180	1.6	1.2	25.4	60	TCG	—	5
NF5B0182	180	1.6	1.2	25.4	80	TCG	—	5
NF5B0201	205	1.6	1.2	25.4	80	TCG	—	5
NF5B0202	205	1.6	1.2	25.4	100	TCG	—	5
NF5B0203	205	2.0	1.6	25.4	80	TCG	—	5
NF5B0204	205	2.0	1.6	25.4	100	TCG	—	5
NF5B0231	230	1.6	1.2	25.4	80	TCG	—	5
NF5B0232	230	1.6	1.2	25.4	100	TCG	—	5
NF5B0233	230	2.0	1.6	25.4	80	TCG	—	5
NF5B0234	230	2.0	1.6	25.4	100	TCG	—	5
NF5B0251	255	2.0	1.5	25.4	80	TCG	—	5
NF5B0252	255	2.0	1.5	25.4	100	TCG	—	5
NF5B0253	255	2.0	1.5	25.4	120	TCG	—	5
NF5B0301	305	2.0	1.5	25.4	80	TCG	—	5
NF5B0302	305	2.0	1.5	25.4	100	TCG	—	5
NF5B0303	305	2.0	1.5	25.4	120	TCG	—	5
NF5B0304	305	2.5	2.0	25.4	80	TCG	—	5
NF5B0305	305	2.5	2.0	25.4	100	TCG	—	5
NF5B0306	305	2.5	2.0	25.4	120	TCG	—	5
NF5B0351	355	2.5	2.0	25.4	80	TCG	—	5
NF5B0352	355	2.5	2.0	25.4	100	TCG	—	5
NF5B0353	355	2.5	2.0	25.4	120	TCG	—	5

- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Polycrystalline Diamond(PCD)

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

NFDA PCD Saw Blades For Aluminum and Non-ferrous Metals

Suitable for cutting aluminum and its alloys, as well as copper, brass, bronze, lead, magnesium, and titanium.

Grade: Industrial

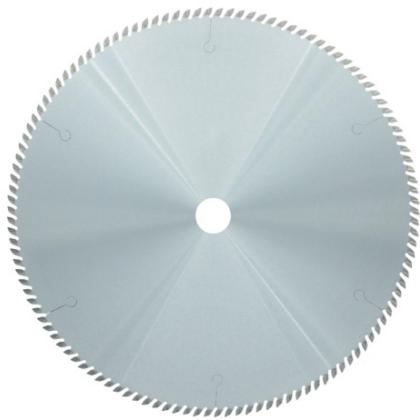
Machines: Double head cutting machines, CNC cutting machines, table saws, mitre saws

Materials: Profiles, tubes, billets, bars, rods, sheets, and plates made of aluminum and other non-ferrous metals

Applications: Aluminium and non-ferrous metals cutting

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
NFDA0301	305	3.0	2.4	25.4	120	TCG	—	5
NFDA0351	355	3.2	2.6	25.4	120	TCG	—	5
NFDA0401	405	3.5	2.8	25.4	120	TCG	—	5
NFDA0451	455	4.0	3.4	30	120	TCG	2/11/63	5
NFDA0452	455	4.0	3.4	30	144	TCG	2/11/63	5
NFDA0501	500	4.4	3.8	30	120	TCG	2/11/63	5
NFDA0502	500	4.4	3.8	30	144	TCG	2/11/63	5
NFDA0551	550	4.6	4.0	30	144	TCG	2/11/63	5
NFDA0601	600	4.8	4.2	30	144	TCG	2/11/63	5

- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Expansion Slots: Available with or without copper plugs

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

Anti-vibration Design: Slots or slots filled with thermoplastic polyurethane (TPU)

AP5A

Thin Kerf Saw Blades For Acrylic and Plastic Materials

Perfect for cutting acrylic and plastic materials, ensuring exceptionally clean, smooth finishing.

Grade: Industrial

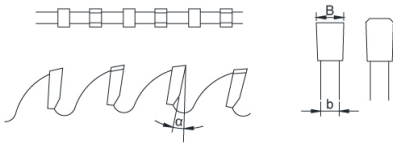
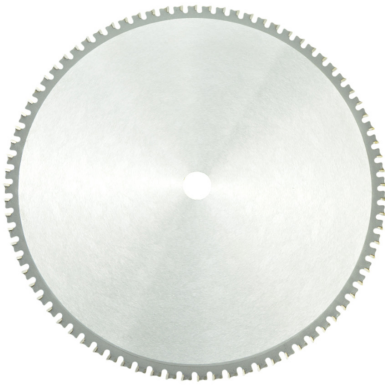
Machines: Squaring saws, table saws and portable circular saws

Materials: Acrylic(Plexiglass) and plastics

Applications: Acrylic(Plexiglass) and plastic cutting

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
AP5A0231	230	2.0	1.5	25.4	80	ATB5	–	15
AP5A0232	230	2.0	1.5	25.4	100	ATB5	–	15
AP5A0251	255	2.0	1.5	25.4	80	ATB5	–	15
AP5A0252	255	2.0	1.5	25.4	100	ATB5	–	15
AP5A0253	255	2.0	1.5	25.4	120	ATB5	–	15
AP5A0301	305	2.0	1.5	25.4	100	ATB5	–	15
AP5A0302	305	2.0	1.5	25.4	120	ATB5	–	15
AP5A0351	355	2.6	2.0	25.4	100	ATB5	–	15
AP5A0352	355	2.6	2.0	25.4	120	ATB5	–	15

- Specifications can be tailored to meet customer requirements.



Optional materials and processes

Body: 75Cr1/80CrV2/SKS51

Tips: Tungsten carbide

Coating: Polished finish or chrome plating

Tension ring: Visible or concealed configuration

FM3A

Circular Saw Blades For Ferrous Metal

Suitable for cutting low and medium carbon steel tubes, profiles and small bars used in construction.

Grade: Professional

Machines: **Low RPM** machines such as Dry cut mitre saws, portable saws

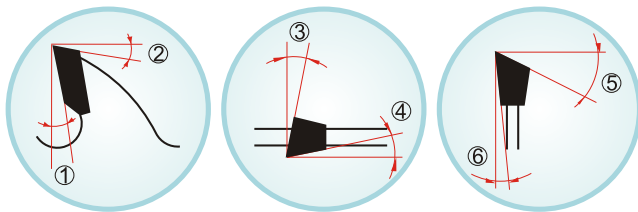
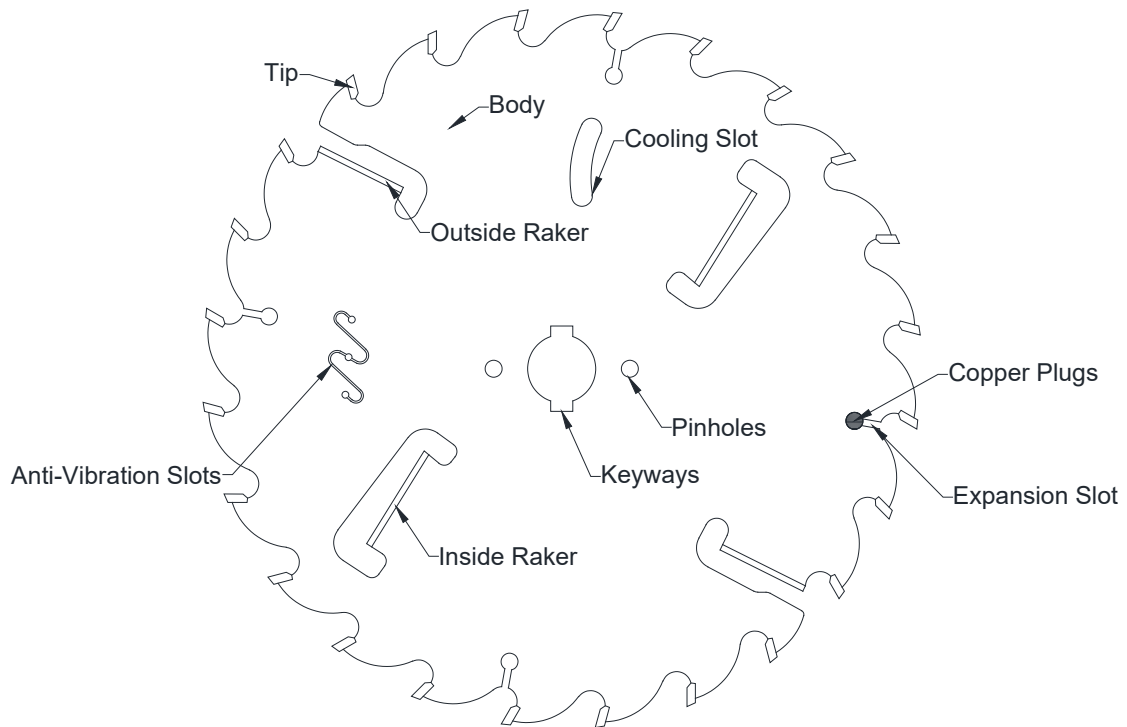
Materials: mild steel such as Angle-Iron, C-Channel, Conduit, Metal Roofing, Rebar, Steel Studs, Steel Plate/Sheets, Various Steel Pipe

Applications: low and medium carbon steel dry cutting

Code	D mm	B mm	b mm	d mm	Z	Tooth Type	Pinholes	$\alpha / ^\circ$
FM3A0161	160	2.0	1.6	20	30	TCG	—	0
FM3A0181	185	2.0	1.6	15.88	36	TCG	—	0
FM3A0182	185	2.0	1.6	15.88	48	TCG	—	0
FM3A0191	190	2.0	1.6	30	36	TCG	—	0
FM3A0211	210	2.0	1.6	30	48	TCG	—	0
FM3A0212	216	2.0	1.6	30	48	TCG	—	0
FM3A0231	230	2.0	1.6	30	48	TCG	—	0
FM3A0232	230	2.4	2.0	25.4	44	TCG	—	0
FM3A0251	250	2.0	1.6	25.4	48	TCG	—	0
FM3A0252	250	2.0	1.6	25.4	60	TCG	—	0
FM3A0301	305	2.2	1.8	25.4	60	TCG	—	0
FM3A0302	305	2.2	1.8	25.4	72	TCG	—	0
FM3A0351	355	2.4	2.0	25.4	72	TCG	—	0
FM3A0352	355	2.4	2.0	25.4	90	TCG	—	0
FM3A0353	355	2.6	2.2	25.4	72	TCG	—	0
FM3A0354	355	2.6	2.2	25.4	90	TCG	—	0

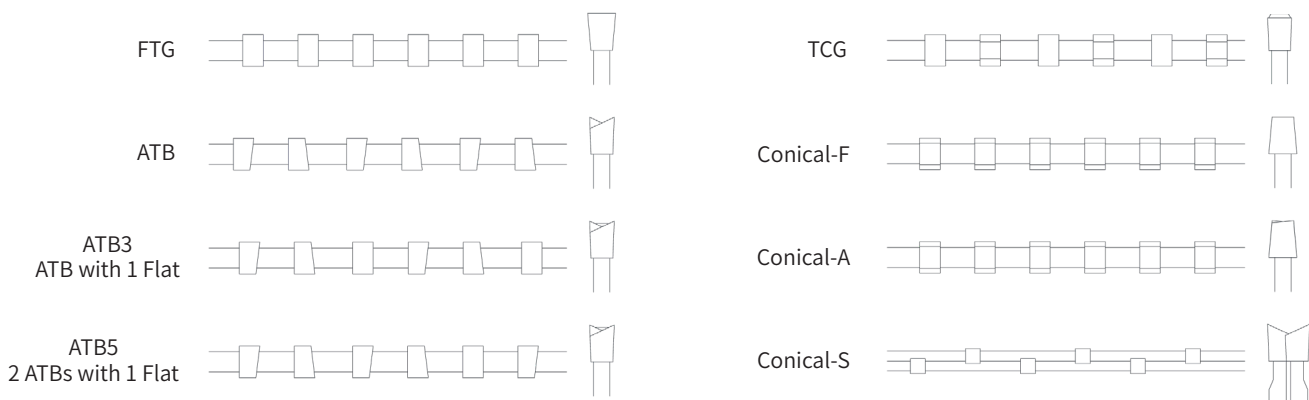
- Specifications can be tailored to meet customer requirements.

Explanation of symbols and abbreviations



- ① Hook Angle [α]
- ② Clearance Angle [β]
- ③ Face Bevel Angle
- ④ Tangential Clearance Angle
- ⑤ Top Bevel Angle
- ⑥ Radial Clearance Angle

Typical Tooth Types



Maximum RPM of Saw Blade

Diameter Body Thickness	200	250	300	350	400	450	500	600	700
1.0	8000	4800	--	--	--	--	--	--	--
1.2	9000	5200	--	--	--	--	--	--	--
1.6	--	5800	4800	--	--	--	--	--	--
2.0	--	6800	6200	4500	3400	--	--	--	--
2.4	--	8000	7200	5600	4000	3500	--	--	--
2.8	--	--	8000	6500	4700	4000	3000	--	--
3.0	--	--	--	6800	5000	4400	3200	--	--
3.2	--	--	--	7200	5400	4700	3500	--	--
3.8	--	--	--	8000	6400	5400	4100	2200	--
4.4	--	--	--	--	7500	6000	4800	2800	1600
5.0	--	--	--	--	--	--	--	3500	2200

Tip Speed for Materials

Recommended for	V (m/s) Tip speed (m/s)	Recommended for	V (m/s) Tip speed (m/s)
Softwood	50 - 90	Chipboard	60 - 80
Hardwood	50 - 80	Joinery board	60 - 80
Plywood	50 - 80	Aluminum alloy	40 - 80
MDF	30 - 60	Plaster	50 - 70
Plastic laminated board	40 - 60	Fibre cement board	10
Thermosets(PU/EP/PF/MF etc.)	15 - 50	Thermoplastic(PE/PP/ PMMA/PVC/Nylon/PS etc.)	30 - 70

Feed Rate Per Tooth

Recommended for	Fz (mm/tooth) Feed rate per tooth	Recommended for	Fz (mm/tooth) Feed rate per tooth
Softwood along grain	0.20 - 0.30	Chipboard	0.10 - 0.25
Softwood cross grain	0.10 - 0.20	Joinery board	0.05 - 0.10
Hardwood	0.06 - 0.15	Aluminum alloy	0.03 - 0.08
Plywood	0.05 - 0.12	Aluminum casting	0.01 - 0.04
MDF	0.05 - 0.25	Plaster	0.10 - 0.20
Plastic laminated board	0.02 - 0.06	Fibre cement board	0.02 - 0.05
Thermosets(PU/EP/PF/MF etc.)	0.02 - 0.05	Thermoplastic(PE/PP/ PMMA/PVC/Nylon/PS/PC etc.)	0.05 - 0.08

Instruction Manual of Saw Blades

1. Operating Conditions

- Machine cover is essential to minimize the injuries caused by broken blades.
- Flammables and explosives should be kept away from the workshop.



2. Safety Measures

- Wear glasses while working to prevent from injuries by broken blades.
- Watch out for your ties and sleeves. Long hair should be kept inside the cap, and no gloves are allowed during operation.

3. Before Use

- Ensure the machine is in good condition with no deformation and no spindle vibration, the spindle's running tolerance can be h7 (fig. 1).
- Check if there is any material adhesion, edge chipping or defect on the blade. Cracking on body, distortion and abnormal wear must be checked as well. Never use the blade if those defects are found.
- Do not use the sawblade for improper purposes.

4. Installation

- Ensure the sawblade turns in the same direction as the shaft of the machine does.
- The flange's outer diameter should be a little larger than $1/3$ (for multi-rip sawblade is $1/2$) of the sawblade. Ensure the flange is clean, not over worn, bent and distorted shape (fig. 2).
- Check the tolerance between the sawblade and the spindle. Install the flange and fasten the screw.
- Run the sawblade without work, if there is abnormal noise and vibration, shut down the machine immediately.
- Sawblade reprocessing such as reboring, should be finished by the factory. Poor reprocessing would lead to poor quality and may cause injuries.
- While installation, the sawblade should be 5-6 teeth higher than the workpiece surface (fig. 3).
- Maximum reboring of the blade is 20mm of the original bore size. (Fig. 4).

5. In Using

- RPM must be below the maximum RPM (N.max) shown on the sawblade.
- Clamp workpiece firmly. Inadequate clamping could cause the material chipping and flying out, and jamming for possible injury.
- In case of unusual noise or vibration while using, shut down the machine immediately, or it may cause injuries.

6. After Use

- Resharpener is necessary when the blade is no longer sharp, or the blade and machine could be damaged.
- Resharpener should be accomplished by the certified professional factories, the original angle degree is not allowed to change (fig. 5).

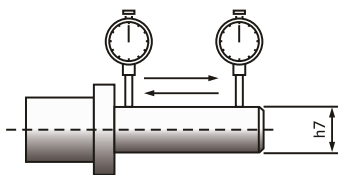


fig. 1

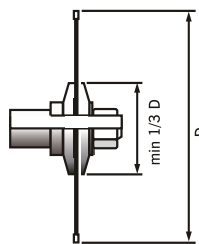


fig. 2

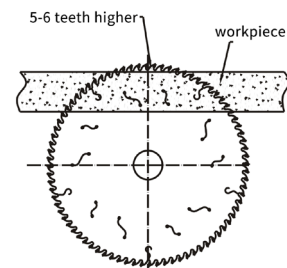


fig. 3

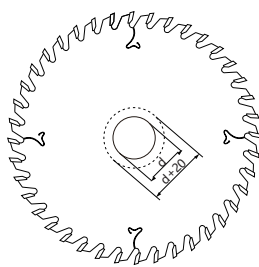


fig. 4

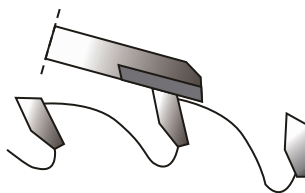


fig. 5



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