IRWIN®

Circular Saw Blades



The Complete Saw Blade Solution

IRWIN® now offers a comprehensive line-up of circular saw blades for professional tool users. From the job site, to the fine woodworking shop, IRWIN offers a blade for every user need.

CONTRUCTION SERIES SAW BLADES

Construction Series Saw Blades –IRWIN MARATHON® saw blades, designed to meet the pressures of the jobsite, provide long life and durability without sacrificing speed of cut.

IRWIN MARATHON



WOODWORKING SERIES SAW BLADES

IRWIN Marples® Woodworking Series saw blades are specially engineered to meet the quality and craftsmanship fine woodworkers and finish carpenters demand.

IRWIN Marples



SPECIALTY SERIES SAW BLADES

IRWIN's specialty circular saw blades, designed to provide superior cutting performance in a variety of materials, are a versatile jobsite staple.

IRWIN





The Professional Tradesman's Choice for Construction

When you're building, there's no room for error. It's a tireless pursuit to get the job done right, to produce something to be proud of and not just any blade will do. You want the blade that helps you do the job the way it was meant to be done. That's why professional tradesmen choose the MARATHON® family of circular saw blades from IRWIN®. Offering a wide variety of blades for every construction application, IRWIN is the brand of blades you can always depend on.

The Standard for Jobsite Productivity

IRWIN Tools makes MARATHON circular saw blades for a full range of saws and applications. Use the table below to match blades for your equipment with your project plans. Locate the saw type and blade diameter in the left column. The columns to the right list the recommended blade sizes and the available number of teeth per blade.

Type of Saw	Blade Diameter	Arbor	Application	Teeth
Cordless Circular Saws 	5-3/8"	10 mm	Framing / Ripping	18, 24
	5-1/2"	10 mm	Framing / Ripping	18, 24
	6-1/2"	5/8" (16 mm)	Framing / Ripping	18, 24
			Trim / Finish	40
	7-1/4"	5/8" (16 mm)	Framing / Ripping	24
Corded Circular Saws 	6-1/2"	5/8" (16 mm) and Diamond Knockout	Framing / Ripping	20
	7-1/4"	5/8" (16 mm) and Diamond Knockout	Framing / Ripping	16, 18, 24
			Decks	24
			Trim / Finish	40, 60
Worm Drive Circular Saws 	7-1/4"	5/8" (16 mm) and Diamond Knockout	Framing / Ripping	18, 24
			Decks	24
			Trim / Finish	40
Table and Miter Saws 	8 - 8-1/4"	5/8" (16 mm) and Diamond Knockout	General Purpose	24
			Trim / Finish	40
	10"	5/8" (16 mm) and Diamond Knockout	General Purpose	24
			Decks	40
			Trim / Finish	60
			Trim / Finish	80
Compound Miter and Sliding Compound Miter Saws 	10"	5/8" (16 mm)	Framing / Ripping	24
			Decks	40
			Trim / Finish	60
			Trim / Finish	80
	12"	1" (25 mm)	General Purpose	40
			Trim / Finish	72
			Trim / Finish	80
			Trim / Finish	100

Made Stronger. Lasts Longer.

IRWIN® has redefined excellence in the world of saw blades with the introduction of MARATHON® with WeldTec™. This revolutionary saw blade has WELDED carbide teeth for a 30% stronger tooth bond that provides 50% longer life. UC2™ (sub-micro grain) carbide teeth are 70% more compact than standard carbide teeth, and are sharpened to finer, more durable cutting edges that stay sharp longer.

MARATHON WELDTEC SAW BLADES

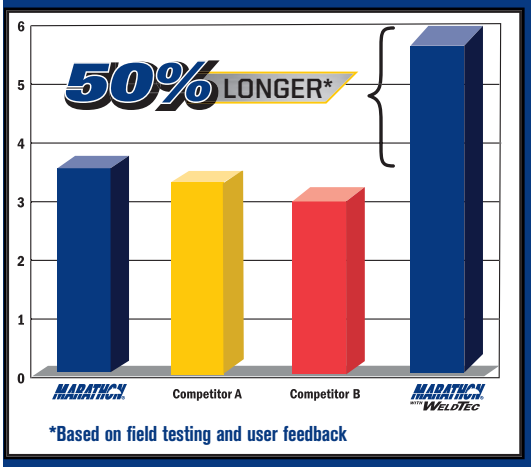
FEATURES

1. With WeldTec Technology the carbide teeth are welded, not brazed, resulting in 30% stronger tooth bond, longer life and durability
2. UC2 carbide with sub-micro grain is 70% tougher than standard carbide, stays sharp longer, with best-in-class cut quality
3. Innovative heat vents and expansion slots for straighter cuts
4. Reinforced shoulder for durability





How many weeks did this blade last?




5-3/8" / 18T (# 4935203)


7-1/4" / 24T (# 24035)


7-1/4" / 6T (# 1794385)


6-1/2" / 24T (# 1794386)


7-1/4" / 40T (# 4935200)


8-1/2" / 60T (# 4935204)

Diameter	Saw Type	Tooth Count	Arbor	Kerf	Hook Angle	Grind	Item #	Bulk Item #	Applications
MARATHON w/ WeldTec Saw Blades									
5-3/8"	Cordless	18	10 mm	1.6 mm	19	ATB	4935203	-	Framing / Ripping
6-1/2"	Cordless	24	5/8"	1.6 mm	20	ATB	1794386	-	Framing / Ripping
7-1/4"	Portable Corded	6	5/8" Diamond	1.8 mm	15	ATB	1794385	-	Fiber Cement
7-1/4"	Portable Corded	24	5/8" Diamond	1.8 mm	21	ATB	14035	24035	Framing / Ripping
7-1/4"	Portable Corded	40	5/8" Diamond	1.8 mm	15	ATB	4935200	-	Trim / Finish
8-1/2"	Miter/Table Saw	60	5/8"	2.2 mm	8	ATB	4935204	-	Trim / Finish





24030



25130



11440

IRWIN MARATHON Saw Blades

- Every other tooth is ground thinner for faster cuts
- Construction-grade carbide teeth for long life
- Reinforced shoulder for added durability
- Heat vent and expansion slot design reduces vibration for longer life and straighter cuts
- Fastest Framing Blade Ever™

IRWIN Classic Series Saw Blades

- Precision-ground teeth for smooth, accurate cuts
- Corrosion-resistant coating helps prevent rusting
- Professional performance at an economic price

IRWIN Portable Corded Steel Saw Blades

- Precision-ground teeth for smooth, accurate cuts
- Fully-hardened plate runs truer longer
- Heavy-gauge high carbon steel for extended life

Diameter	Tooth Count	Arbor	Kerf	Hook Angle	Grind	Item #	Bulk Item #	Applications
IRWIN MARATHON Portable Corded Carbide Saw Blades								
6-1/2"	20	5/8" Diamond	.071"	24°	ATB	–	24021	Framing / Ripping
7-1/4"	18	5/8" Diamond	.071"	20°	ATB	14028	24028	Framing / Ripping
7-1/4"	24	5/8" Diamond	.071"	20°	ATB	14030	24030	Framing / Ripping
7-1/4"	40	5/8" Diamond	.071"	20°	ATB	14031	24031	Trim / Finish
IRWIN Classic Series Portable Corded Carbide Saw Blades								
7-1/4"	16	5/8" Diamond	.087"	22°	ATB	15030	25030ZR	General Purpose
7-1/4"	24	5/8" Diamond	.087"	19°	ATB	15130	25130	Framing / Ripping / Decks
7-1/4"	40	5/8" Diamond	.087"	20°	ATB	15230ZR	25230	Trim / Finish
7-1/4"	60	5/8" Diamond	.087"	18°	ATB	15530ZR	25530	Trim / Finish
IRWIN Portable Corded Steel Saw Blades								
7-1/4"	26	5/8" Diamond	.087"	28°	Top/Face	11040ZR	–	Framing / Ripping
7-1/4"	40	5/8" Diamond	.087"	17°	Top/Face	11140	–	Trim / Finish
7-1/4"	60	5/8" Diamond	.087"	5°	Top/Face	11240	–	Trim / Finish
7-1/4"	140	5/8" Diamond	.079"	5°	Top/Face	11840	21840ZR	Trim / Finish
7-1/4"	150	5/8"	.063"	2°	Top/Face Hollow Ground	11440	21440	Trim / Finish
IRWIN MARATHON Portable Corded Deck Saw Blade (Pressure-Treated Wood)								
7-1/4"	24	5/8" Diamond	.071"	20°	ATB	14130	24130	Deck Blade

Circular Saw Blades

Construction Series Saw Blades



14076

IRWIN® MARATHON® Miter / Table Saw Blades

- #400 grit diamond ground teeth for a smooth finish
- Construction grade carbide teeth for longer life
- Precision balanced for accurate smooth cuts
- Thin kerf for fast cuts and longer motor life



15370

IRWIN Classic Series Miter / Table Saw Blades

- Precision-ground teeth for smooth, accurate cuts
- Corrosion-resistant coating helps prevent rusting
- Professional performance for an economic price



11270

IRWIN Steel Miter / Table Saw Blades

- Precision-ground teeth for smooth, accurate cuts
- Fully-hardened plate runs truer longer
- Heavy gauge, high carbon steel for extended life

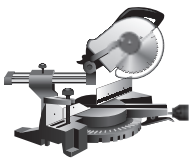
Diameter	Tooth Count	Arbor	Kerf	Hook Angle	Grind	Item #	Bulk Item #	Applications
IRWIN MARATHON Miter/Table Carbide Saw Blades								
8-1/4"	24	5/8" Diamond	.083"	20°	ATB	14050ZR	–	General Purpose
8-1/4"	40	5/8" Diamond	.083"	15°	ATB	14053	–	Trim / Finish
10"	24	5/8" Diamond	.095"	20°	ATB	14233	24233	Framing / Ripping
10"	40	5/8" Diamond	.095"	20°	ATB	14070	24070	Decks
10"	60	5/8" Diamond	.095"	15°	ATB	14074	–	Trim / Finish
10"	80	5/8" Diamond	.095"	10°	ATB	14076	–	Trim / Finish
12"	40	1"	.098"	20°	ATB	14080	–	General Purpose
12"	72	1"	.098"	15°	ATB	14082	–	Trim / Finish
12"	80	1"	.098"	5°	ATB	14083	–	Trim / Finish
12"	100	1"	.098"	10°	ATB	14084	–	Trim / Finish
IRWIN Classic Series Miter / Table Carbide Saw Blades								
8 - 8-1/4"	24	5/8" Diamond	.087"	16°	ATB	15150	–	General Purpose
8 - 8-1/4"	40	5/8" Diamond	.087"	17°	ATB	15250	–	Trim / Finish
10"	24	5/8" Diamond	.102"	22°	ATB	15070	–	Framing / Ripping
10"	40	5/8" Diamond	.102"	16°	ATB	15270	–	Decks
10"	60	5/8"	.102"	12°	ATB	15370	–	Trim / Finish
IRWIN Miter / Table Saw Steel Blades								
10"	40	5/8"	.110"	18°	Top / Face	11170	–	Decks
10"	80	5/8"	.079"	6°	Top / Face	11670	–	Trim / Finish
10"	80	5/8"	.110"	6°	Top / Face Hollow Ground	11270ZR	–	Trim / Finish
10"	180	5/8"	.094"	2°	Top / Face	11870	–	Trim / Finish
IRWIN Miter Saw Laser Guides								
						3061001	–	Miter / Table Saw
						3061002	–	Abrasive Chop Saw

For use with table saws, portable table saws, miter saws, sliding miter saws and radial arm saws













24029CL



15120



11220

IRWIN MARATHON Cordless Carbide Saw Blades

- Ultra-thin kerf for more cuts per charge
- Face-ground carbide teeth for fast, clean cuts
- Aggressive hook angle for fast cuts
- Construction-grade carbide teeth for longer life

IRWIN Classic Series Cordless Carbide Saw Blades

- Corrosion-resistant coating helps prevent rusting
- Precision-ground teeth for smooth, accurate cuts
- Professional performance at an economic price

IRWIN Classic Series Cordless Steel Saw Blades

- Precision-ground teeth for smooth, accurate cuts
- Fully hardened plate runs truer longer
- Heavy-gauge, high carbon steel for extended life

Diameter	Tooth Count	Arbor	Kerf	Hook Angle	Grind	Item #	Bulk Item #	Applications
IRWIN MARATHON Cordless Carbide Saw Blades								Framing / Ripping
5-3/8"	18	10 mm	.063"	25°	ATB	14015	–	Framing / Ripping
5-3/8"	24	10 mm	.063"	23°	ATB	14017	–	Framing / Ripping
5-1/2"	18	10 mm	.063"	20°	ATB	14027	–	Framing / Ripping
5-1/2"	24	10 mm	.063"	20°	ATB	14011	–	Framing / Ripping
6-1/2"	18	5/8"	.063"	25°	ATB	14020	24020	Framing / Ripping
6-1/2"	24	5/8"	.063"	22°	ATB	14029	24029CL	Framing / Ripping
6-1/2"	40	5/8"	.063"	20°	ATB	14023	–	Trim / Finish
IRWIN Classic Series Cordless Carbide Saw Blades								
6-1/2"	24	5/8" Diamond	.087"	22°	ATB	15120	–	Framing / Ripping
6-1/2"	40	5/8" Diamond	.087"	19°	ATB	15220	–	Trim / Finish
IRWIN Cordless Steel Saw Blades								
6-1/2"	60	5/8"	.087"	5°	Top / Face	11220	–	Trim / Finish
6-1/2"	140	5/8"	.079"	4°	Top / Face	11820ZR	–	Trim / Finish

For use with cordless saws



EXTENDED LIFE. FLAWLESS FINISH.

IRWIN is proud to introduce a full line of fine woodworking saw blades that are manufactured in Italy to the highest standards of precision required for fine woodworking and finish carpentry. These industry-leading laser-cut, thin kerf saw blades are produced in a highly-automated, state-of-the-art facility in Udine, Italy – the heart of high-quality circular saw blade manufacturing. Engineered with oversized, high-quality carbide, the new Marples Woodworking Series saw blades provide the extended life and flawless finish professional woodworkers and finish carpenters demand.



MARPLES WOODWORKING SERIES SAW BLADES

FEATURES

1. Extra-sharp, oversized carbide teeth are re-sharpenable for long life
2. Precision tensioned for flawless cuts
3. Heat-resistant non-stick coating reduces gumming for easy cleanup and truer, cleaner cuts





Diameter	Tooth Count	Saw Type	Arbor	Kerf	Hook Angle	Grind	Item #	Canadian Item #	Applications
Marples Woodworking Series Saw Blades									
10"	24	Table Saw	5/8"	2.5 mm	15°	ATB	1807366	1853156	Ripping
10"	40	Miter/Table Saw	5/8"	2.5 mm	15°	ATB	1807367	1853157	General Purpose
10"	50	Miter/Table Saw	5/8"	2.5 mm	15°	ATB+R	1807368	1853158	Combination
10"	60	Miter/Table Saw	5/8"	2.5 mm	10°	ATB	1807369	1853159	Fine Cross-Cutting
10"	80	Miter/Table Saw	5/8"	2.5 mm	10°	HI-ATB	1807370	1853160	Ultra Smooth Cross-Cutting
10"	84	Miter/Table Saw	1"	2.5 mm	5°	TCG	1807381	1853191	Laminates, Melamine, Non-Ferrous Metals
12"	40	Miter Saw	1"	2.5 mm	15°	ATB	1807382	1853192	General Purpose
12"	60	Miter Saw	1"	2.5 mm	10°	ATB	1807383	1853193	Fine Cross-Cutting
12"	80	Miter Saw	1"	2.5 mm	10°	HI-ATB	1807384	1853194	Ultra-Smooth Cross-Cutting
12"	96	Miter/Table Saw	1"	2.5 mm	-2°	HI-ATB	1807385	1853195	Delicate Cross-Cutting
12"	100	Miter/Slide Miter Saw	1"	2.5 mm	5°	TCG	1807386	1853196	Laminates, Melamine, Non-Ferrous Metals
8" DADO	12	Table/Radial Arm Saw	5/8"	2.5 mm	-	-	1811865	1853197	Tongue and Groove, Rabbets and Shelving

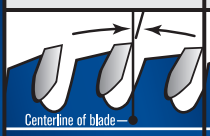
Woodworking Series Saw Blade Selection Chart

RATING SCALE: (1=FAIR, 3=GOOD, 5=BEST) 1 2 3 4 5

		Purpose	Recommended Power Tool	MATERIAL CUTTING CHART AND RATING										
				Hardwoods	Softwoods	Composite Materials	Treated Lumber Pressure-	Plywood	Melamine	Veneered Plywood	Delicate Moulding	Double-Sided Laminates	Non-Ferrous Metals
10" Woodworking Blades	10" X 24T 15° ATB	Ripping	Table Saw	5	5	5	5	3	2	1	2	2	N/A
	10" X 40T 15° ATB	General Purpose	Miter Saw or Table Saw	5	5	5	5	4	2	2	3	3	N/A
	10" X 50T 15° ATB+R	Combination	Miter Saw or Table Saw	5	5	5	5	5	4	4	4	4	N/A
	10" X 60T 10° ATB+R	Fine Cross-Cutting	Miter Saw or Table Saw	4	5	4	4	4	4	4	5	4	2
	10" X 80T 10° HI-ATB	Ultra-Smooth Cross-Cutting	Miter Saw or Table Saw	5	5	4	4	5	5	5	5	3	1
	10" X 84T 5° TCG	Laminates, Melamine, Non-Ferrous Metals	Miter Saw or Table Saw	4	3	4	3	4	5	5	4	5	5
12" Woodworking Blades	12" X 40T 15° ATB	General Purpose	Miter Saw	4	4	4	4	3	2	1	2	2	1
	12" X 60T 10° ATB	Fine Cross-Cutting	Miter Saw	4	5	4	4	4	4	4	4	4	2
	12" X 80T 10° HI-ATB	Ultra-Smooth Cross-Cutting	Miter Saw	5	5	4	4	5	5	5	5	3	1
	12" X 96T -2° HI-ATB	Delicate Cross-Cutting	Miter Saw or Slide Miter Saw	4	4	5	4	5	5	5	5	4	3
	12" X 100T 5° TCG	Laminates, Melamine, Non-Ferrous Metals	Miter Saw	5	3	3	3	4	5	5	4	5	5
DADO	DADO 8" X 12T	Tongue and Groove, Rabbets and Shelving	Table Saw or Radial Arm Saw	5	5	5	5	3	2	1	2	2	N/A

CIRCULAR SAW BLADES

Hook Angles



POSITIVE HOOK ANGLE

FEATURES

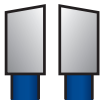
- Increases feed rate for faster cutting in wood
- Hook angles are typically highest on blades intended for ripping
- Angles range from 5°-15 °

NEGATIVE HOOK ANGLE

FEATURES

- Provides maximum control over the feed rate, especially when cutting delicate materials, laminates and metals
- Available in -2 °

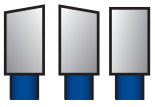
Teeth Grind Configuration



ATB ALTERNATE TOP BEVEL

FEATURES

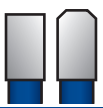
- Teeth alternate between a right and left bevel to form a knife-like edge on either side for a cleaner cut



ATB+R ALTERNATE TOP BEVEL + RAKER

FEATURES

- Designed to do both cross-cutting and ripping
- Teeth are arranged in a three or five-tooth pattern and incorporate a flat raking tooth after each sequence of ATB teeth



TCG TRIPLE CHIP GRIND

FEATURES

- Excels at cutting hard materials like laminates, MDF, plastics and non-ferrous metals
- Teeth alternate between a flat raking tooth and a trapezoid shaped tooth



HI-ATB HIGH ALTERNATE TOP BEVEL

FEATURES

- Used for extra-fine cross-cutting
- High bevel angle increases the knife-like action at the edge of the blade

Alternate Building Material Trends

Recognizing the emergence of alternate building materials on the jobsite, IRWIN® developed a line of specialty blades designed to provide superior cutting performance in a variety of materials. Just as metal framing and fiber cement siding are used to extend the strength and life of a building structure, IRWIN's specialty blades are engineered with unique technologies that extend the life of the blades used to cut these materials.

Materials	Blade Diameter	Arbor	Application	Teeth
Metal 	5-3/8"	20mm, 5/8" (16mm), 10mm	Steel	30
	6-3/4"	5/8" (16mm)	Steel	40
	7"	20mm, 5/8" (16mm)	Steel	36
	7-1/4"	5/8" (16mm) and Diamond Knockout	Steel/Thin Steel	48, 68
	8"	5/8" (16mm) and Diamond Knockout	Steel	50
	9"	1" (25mm)	Steel	48
	10"	5/8" (16mm)	Thin Steel	80
	12"	1" (25mm)	Steel	60
	14"	1" (25mm)	Steel	80
Fiber Cement 	7-1/4"	5/8" (16mm)	Fiber Cement	4
	10"	5/8" (16mm)	Fiber Cement	6
	12"	1" (25mm)	Fiber Cement	8
Vinyl Siding & PVC 	7-1/4"	5/8" (16mm)	Vinyl Siding	120T





Fiber Cement Saw Blades

FIBER CEMENT SAW BLADES
FEATURES

1. Ground and hardened plate body provides smooth and accurate cuts
2. Polycrystalline diamond-tipped teeth provide longer cutting life
3. 4T thin kerf blade produces less dust than continuous rim blades
4. Laser-cut blade body, stronger tooth bond and greater accuracy



15X LONGER CUTTING LIFE*

*vs. standard carbide fiber cement blade

Metal Cutting Saw Blades

METAL CUTTING SAW BLADES
FEATURES

1. Laser-cut anti-vibration vents keep the blade cool for smooth and accurate cuts
2. Anti-kickback tooth shoulder reduces dust and sparks for safer cuts
3. Metal cutting-grade carbide teeth withstand impact, reduce wear and deliver long life
4. Laser-cut blade body, stronger tooth bond and greater accuracy



Circular Saw Blades
Specialty Series Saw Blades



4935473



4935555



11830

IRWIN® Fiber Cement PCD Saw Blades

- Ground and hardened plate body provides smooth and accurate cuts
- 4T PCD polycrystalline diamond-tipped teeth provide 15X longer cutting life
- Thin kerf blade produces less dust than continuous rim blades

IRWIN Metal Cutting Saw Blades

- Laser-cut blades and anti-vibration vents keep blade cool for smooth and accurate cuts
- Metal cutting-grade carbide teeth withstand impact, reduce wear and deliver longer life.

IRWIN Vinyl Cutting Saw Blades

- Optimized, symmetric 60˚ tooth design angle eliminates chipping and cracking for a fast, smooth finish when pushing or pulling through the cut
- Innovative heat vent and expansion slot designs
- Efficient chip ejection prevents binding and blade warping

Diameter	Tooth Count	Arbor	Kerf	Hook Angle	Grind	Item #	Bulk Item #	Applications
IRWIN Fiber Cement PCD Saw Blades								
7-1/4"	4	5/8" Diamond	.071"	10	Flat	4935473	–	Fiber Cement
10"	6	5/8"	.079"	10	Flat	4935624	–	Fiber Cement
12"	8	1"	.087"	10	Flat	4935625	–	Fiber Cement
IRWIN Metal Saw Blades								
5-3/8"	30	20 mm, 5/8", 10 mm	.063"	0	MATB	1779856	–	Steel
6-3/4"	40	20 mm, 5/8"	.079"	0	MATB	4935554	–	Steel
7"	36	20 mm, 5/8"	.079"	0	MATB	1779857	–	Steel
7-1/4"	48	5/8" w/ KO	.079"	0	MATB	4935555	4935556	Steel / Thin Steel
7-1/4"	68	5/8" w/ KO	.079"	0	MATB	4935560	–	Thin Steel
8	50	5/8" w/ KO	.079"	0	MATB	4935557	–	Steel
9	48	25 mm, 5/8"	.079"	0	MATB	1779858	–	Steel
10	80	5/8"	.079"	0	MATB	4935561	–	Thin Steel
12	60	1"	.098"	0	MATB	4935558	–	Steel
14	80	1"	.110"	0	MATB	4935559	–	Steel
IRWIN Portable Corded Vinyl Saw Blade								
7-1/4"	120	5/8" Diamond	.055"	60°	Top / Face	11830	21830ZR	Vinyl / PVC
IRWIN Portable Corded Fiber Cement Saw Blade								
7-1/4"	6	5/8" Diamond	.079"	15°	ATB	15702ZR	–	Fiber Cement