

PORTA-PAK *Specials*



BOSCH SABER SAW BLADE

P/N 17894

- Saber/Jig Saw Blades - Bosch shank
- Bi-metal construction of high cobalt content
- High speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability
- Less breakage and lasts longer than conventional carbon and all high speed steel blades

QTY	BOSCH SAW BLADE	PART #	QTY	BOSCH SAW BLADE	PART #
3	3" x 14 TPI	19212	3	3" x 18 TPI	19213
3	3" x 24 TPI	19216	3	4" x 8 TPI	19217

JIG/SABER SAW BLADE

P/N 17895

- Saber/Jig Saw Blades - 1/4" shank
- Bi-metal construction of high cobalt content
- High speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability
- Less breakage and lasts longer than conventional carbon and all high speed steel blades



QTY	JIG/SABER SAW BLADE	PART #	QTY	JIG/SABER SAW BLADE	PART #
3	2-3/4" x 18 TPI	19202	3	2-3/4" x 24 TPI	19203
4	3-5/8" x 10 TPI	19200	4	3-5/8" x 14 TPI	19201

PORTA-PAK *Specials*



COARSE RECIPROCATING SAW BLADES

P/N 17896

- Reciprocating saw blade - 1/2" shank
- Bi-metal construction of high cobalt content
- High speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability
- Less breakage and lasts longer than conventional carbon and all high speed steel blades

QTY	RECIPROCATING SAW BLADE	PART #	QTY	RECIPROCATING SAW BLADE	PART #
4	6" x 10 TPI	19410	3	6" x 5/8 TPI	19455
4	6" x 10/14 TPI	19405			

FINE RECIPROCATING SAW BLADES

P/N 17897

- Reciprocating saw blades- 1/2" shank
- Bi-metal construction of high cobalt content
- High speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability
- Less breakage and lasts longer than conventional carbon and all high speed steel blades



QTY	RECIPROCATING SAW BLADE	PART #	QTY	RECIPROCATING SAW BLADE	PART #
4	6" x 14 TPI	19414	3	6" x 24 TPI	19420
4	6" x 18 TPI	19417			

PORTA-PAK *Specials*



4" RECIPROCATING SAW BLADE

P/N 17898

- Reciprocating saw blades - 1/2" shank
- Bi-metal construction of high cobalt content, high speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability
- Bi-metal blades reduce breakage and last longer than conventional carbon and all high steel blades
- Wider, thicker blades provide higher beam strength and greater rigidity allowing more feed pressure for faster cutting with less distortion

QTY	4" RECIPROCATING SAW BLADE	PART #	QTY	4" RECIPROCATING SAW BLADE	PART #
5	4" x 14 TPI	19413	5	4" x 18 TPI	19416
4	4" x 24 TPI	19419			

TCG RECIPROCATING SAW BLADE

P/N 17899

- Thousands of particles of tungsten carbide (one of the hardest materials known) are permanently bonded to tough alloy steel, forming a cutting edge of unparalleled ability
- They will cut through the hardest of steels and most abrasive materials with ease



QTY	TCG RECIPROCATING SAW BLADE	PART #	QTY	TCG RECIPROCATING SAW BLADE	PART #
1	3-1/2" x 1/4	22760	2	4" x 5/8	22740
2	6 x 5/8	22780			

PORTA-PAK *Specials*



RECIPROCATING SAW HANDLE

P/N 19511

RECIPROCATING SAW HANDLE

- Handle uses any standard reciprocating saw blade
- Quick-twist lock holds blade or bit holder in place quickly and easily
- Ergonomic handle with angled setting for added leverage
- Also uses any standard 1/4" bit holder, nut driver, power bit, etc.
- Handles store 6 of the most popular insert bits: #5 & #6 slotted, #1 & #2 phillips and T15 & T20 torx bits

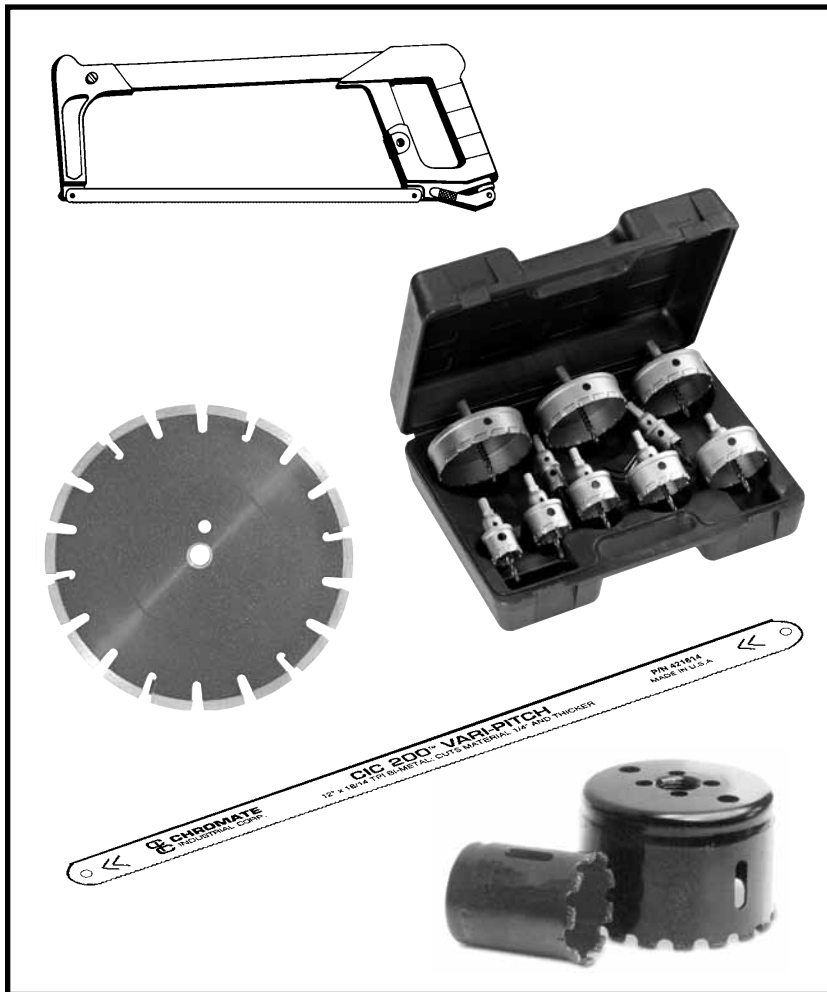


RECIPROCATING SAW BLADES

- Reciprocating saw blades - 1/2" shank
- Bi-metal construction of high cobalt content, high speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability
- Bi-metal blades reduce breakage and last longer than conventional carbon and all high steel blades
- Wider, thicker blades provide higher beam strength and greater rigidity allowing more feed pressure for faster cutting with less distortion

QUANTITY	DESCRIPTION	PART #
1	RECIPROCATING HOLDER WITH 6 INSERT BITS	30385H
1	MAGNETIC BIT HOLDER	83020
2	6-6T CIC 200™ BI-METAL RECIPROCATING BLADE	19408
2	6-10T CIC 200™ BI-METAL RECIPROCATING BLADE	19410
2	6-18T CIC 200™ BI-METAL RECIPROCATING BLADE	19417
2	6-24T CIC 200™ BI-METAL RECIPROCATING BLADE	19420
1	#5 SLOTTED INSERT BIT	83071
1	#6 SLOTTED INSERT BIT	83072
1	#1 PHILLIPS INSERT BIT	83021
1	#2 PHILLIPS INSERT BIT	83022
1	T15 TORX INSERT BIT	83055
1	T20 TORX INSERT BIT	83056

SAW BLADES



- Hacksaw Blades
- Reciprocating Saw Blades
- Sabre/Jig Saw Blades
- Band Saw Blades
- Hole Saws
- Carbide Tipped Hole Cutters
- Tough, Wear-Resistant Blades
- Diamond Blades
- Hardened, High-Speed Steel Cutting Edges

CHROMATE SAW BLADES CUT THROUGH HARDER MATERIALS, FASTER AND MORE DURABLY THAN ORDINARY SAW BLADES. Manufactured from the finest alloy steels to exacting specifications. Always use Chromate Saw Blades for maximum speed, accuracy and performance.



CHROMATE INDUSTRIAL CORP.

EXCEPTIONAL PRODUCTS, SERVICE AND INNOVATIVE SOLUTIONS

CIC 200™ BI-METAL HACKSAW BLADES

OUTPERFORMS ORDINARY HACKSAW BLADES

Outperforms ordinary hacksaw blades for cutting common steels, stainless steel, cast iron, aluminum, brass, copper, inconel and others.

VARI-PITCH TOOTH DESIGN

- **SUPER SHARP TOOTH DESIGN –**
ASSURES EASIER STARTING AND FASTER CUTTING
- **HARD ALLOY BACK BEAM –**
PROVIDES MAXIMUM STRENGTH AND RESISTANCE TO BENDING, TWISTING, BINDING AND VIBRATION
- **UNIQUE, HIGH STRENGTH ALLOY TEETH –**
MAINTAINS SHARPNESS AND DURABILITY WHILE CUTTING THE TOUGHEST JOBS
- **FLEXIBLE AND SHATTER-RESISTANT –**
FOR GREATER SAFETY



TEETH PER INCH	LENGTH	MATERIALS	PART
18-14	12"	1/4" and Thicker	421814
24-20	12"	1/16" to 1/4" Thick	422420
32-26	12"	Up to 1/16" Thick	423226

TRI-PITCH TOOTH DESIGN



32 TPI
gets the
cut started

24 TPI
allows for more
aggressive strokes

18 TPI
completes the
cutting stroke

- **LEAD OFF WITH 32 TPI, 24 TPI IN THE MIDDLE AND 18 TPI FINISHES THE CUT –**
DEPENDING ON THE MATERIAL, YOU HAVE THE OPTION OF ISOLATING ONE SECTION OF THE BLADE OR UTILIZING MAXIMUM CUTTING EFFICIENCY WITH ALL THREE

- **SUPER SHARP TOOTH DESIGN –**
ASSURES EASIER STARTING AND FASTER CUTTING
- **HARD ALLOY BACK BEAM –**
PROVIDES MAXIMUM STRENGTH AND RESISTANCE TO BENDING, TWISTING, BINDING AND VIBRATION
- **UNIQUE, HIGH STRENGTH ALLOY TEETH –**
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FOR GREATER SAFETY



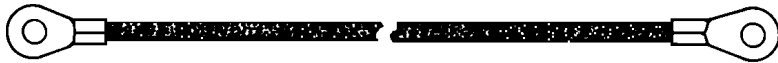
TEETH PER INCH	LENGTH	MATERIALS	PART
18-24-32	12"	1/4" and Thinner	42182432

CIC 200™ TUNGSTEN CARBIDE HACKSAW BLADES

SUPER HARD TUNGSTEN CARBIDE

Super hard tungsten carbide particles permanently bonded to a strong alloy steel allows these blades to cut through the toughest materials.

CIC 200™ TUNGSTEN CARBIDE HACKSAW AND RODSAW BLADES



P/N 22600



- CUTS IN ANY DIRECTION
- CUTS CONTOURS AND ANGLES
- 360° CUTS THROUGH TOUGH MATERIALS



P/N 22700

- STRAIGHT CUTTING THROUGH TOUGH MATERIALS
- VIRTUALLY UNBREAKABLE

CUTS THROUGH:

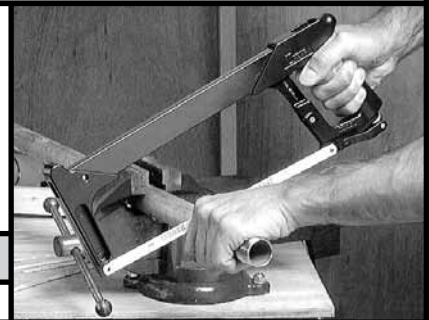
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|----------------|-----------------------|-------------------|------------------------|
| • CABLES | • CHROME PLATED PARTS | • CHAINS | • RUSTED BOLTS |
| • CAST IRON | • HYDRAULIC HOSES | • HARDENED STEEL | • TITANIUM |
| • CEMENT | • STAINLESS STEEL | • SLATE | • SPRINGS |
| • CERAMIC TILE | • TAIL PIPES | • BRAKE MATERIALS | • MARBLE |
| • BRICK | • VALVE STEMS | • GLASS | • AND MUCH, MUCH MORE! |

DESCRIPTION	LENGTH		PART
ROD SAW BLADE	12"	A	22600
HACKSAW BLADE	12"	A	22700

HACKSAW FRAME

"BLACK MAX" SUPER HEAVY DUTY HIGH TENSION HACKSAW FRAME

- PRECISION CAST ALUMINUM/STEEL FRAME.
- LEVER TENSIONS BLADE TO 60,000 P.S.I. WITH 8 FULL TURNS.
- BLADE WON'T BIND IN TOUGH MATERIALS OR STRUCTURALS.
- CUTS AT 90°, 45° OR FLUSH.
- USE AS JAB SAW OR COMPASS SAW.
- EXTENDS BLADE LIFE AND MINIMIZES BLADE BREAKAGE.



DESCRIPTION	PART
"BLACK MAX" HACKSAW FRAME	A 30386

CIC 200™ POWER HACKSAW BLADES

WELDED EDGE

High speed steel cutting edge welded to alloy back for faster cutting and longer life.



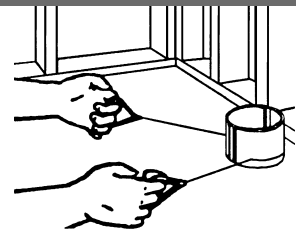
LENGTH	WIDTH	THICKNESS	TEETH PER INCH	WORK THICKNESS	PART
12	1	.050	14	1/8	A 52495
14	1	.050	14	1/8	A 52500
12	1	.050	10	1/2	A 52605
14	1	.050	10	1/2	A 52608
14	1-1/4	.062	10	1/2	A 52610
17	1	.050	10	1/2	A 52612
17	1-1/4	.062	10	1/2	A 52614
14	1-1/4	.062	6/4	5/8	A 52700
14	1-1/2	.075	6/4	5/8	A 52701
18	1-3/4	.088	6/4	5/8	A 52705
21	1-3/4	.088	6/4	5/8	A 52706
14	1-1/4	.062	6	5/8	A 52710
18	1-1/4	.062	6	5/8	A 52725
18	1-1/2	.075	6	5/8	A 52730
18	1-3/4	.088	6	5/8	A 52735
21	1-3/4	.088	6	5/8	A 52740
14	1-1/2	.075	4	7/8	A 52745
18	1-3/4	.088	4	7/8	A 52755
21	1-3/4	.088	4	7/8	A 52760
24	2	.100	4	7/8	A 52765

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PVC CABLE SAW

HEAVY DUTY RUST-PROOF STAINLESS STEEL CABLE

- CONSTRUCTED OF RUST-PROOF STAINLESS STEEL CABLE
- ACTUALLY MELTS THROUGH PVC PIPE IN SECONDS
- CUTS UP TO 4" PLUMBING OR ELECTRICAL PVC
- IDEAL FOR TIGHT SPOTS AND IN-GROUND REPAIRS
- SAW LIFE APPROXIMATELY 60 TO 100 CUTS



DESCRIPTION	PART
PVC CABLE SAW – 26" LENGTH	A 22610

CIC 200™ BI-METAL SAW BLADES

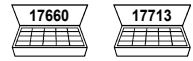
RECIPROCATING SAW BLADES — 1/2" SHANK

Bi-metal construction of high cobalt content, high speed steel teeth welded to shatter-resistant alloy steel back for faster cutting and greater durability. Bi-metal blades reduce breakage and last longer than conventional carbon and all high speed steel blades.

METAL CUTTING

WIDER, THICKER BLADES:

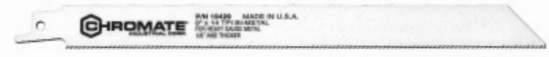
- Provide higher beam strength and greater rigidity allowing more feed pressure for faster cutting with less distortion



TUBE ASSORTMENTS:
17657, Metal Magicians #1
17658, Metal Magicians #2

MATRIX CUTTING EDGE:

- High cobalt content (8%) for better shock and heat resistance — assuring faster cutting, longer life and less tooth strippage



TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
14	4 x 3/4 x .035	Heavy gauge metals 1/8" and thicker. Bar stock and angles.	I 19413
14	6 x 3/4 x .035	Heavy gauge metals 1/8" and thicker. Bar stock and angles.	I 19414
14	9 x 3/4 x .035	Heavy gauge metals 1/8" and thicker. Bar stock and angles.	E 19429
18	4 x 3/4 x .035	Heavy gauge metals 18 gauge to 1/8" thick. Conduit, pipe, channels & tubing.	I 19416
18	6 x 3/4 x .035	Heavy gauge metals 18 gauge to 1/8" thick. Conduit, pipe, channels & tubing.	I 19417
18	8 x 3/4 x .035	Heavy gauge metals 18 gauge to 1/8" thick. Conduit and tubing.	F 19418
18	12 x 3/4 x .035	Heavy gauge metals 18 gauge to 1/8" thick. Conduit, pipe, channels & tubing.	F 19428
24	4 x 3/4 x .035	Metals 18 gauge and under. Trim, tubing and galvanized pipe.	I 19419
24	6 x 3/4 x .035	Metals 18 gauge and under. Trim, tubing and galvanized pipe.	I 19420
18	3 x 1/4 x .035	Scroll cutting in light gauge ferrous and non-ferrous metals, wood and aluminum under 1/8" thick.	I 19426

WOOD CUTTING



TUBE ASSORTMENTS:
17656, Wood Wizards

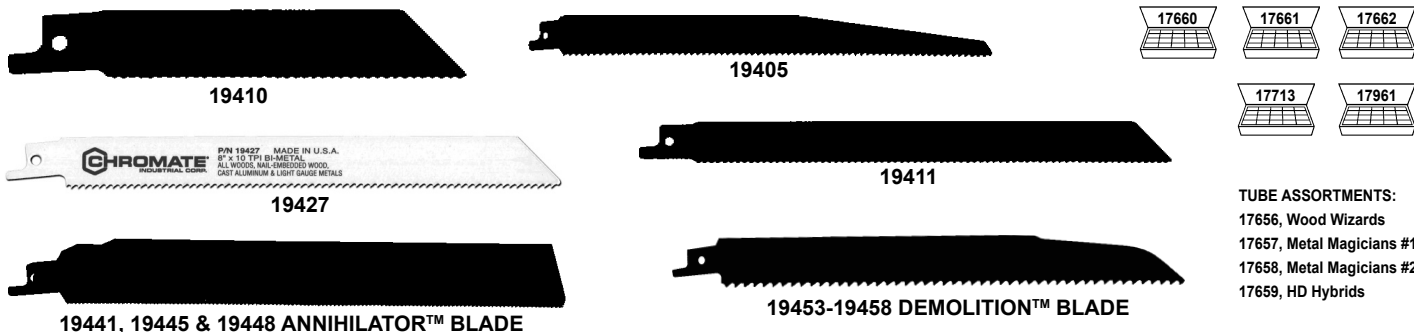


TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
6	6 x 3/4 x .050	Fast cutting in all woods or nail-embedded wood. General roughing in work.	E 19408
6	9 x 3/4 x .050	Fast cutting in all woods or nail-embedded wood. General roughing in work.	E 19424
6	12 x 3/4 x .050	Fast cutting in all woods or nail-embedded wood. General roughing in work.	E 19409
10/14	12 x 3/4 x .050	All woods, plastic, cast aluminum, nail-embedded wood, soil, pipe.	E 19218

CIC 200™ BI-METAL SAW BLADES

RECIPROCATING SAW BLADES — 1/2" SHANK

WOOD AND METAL CUTTING

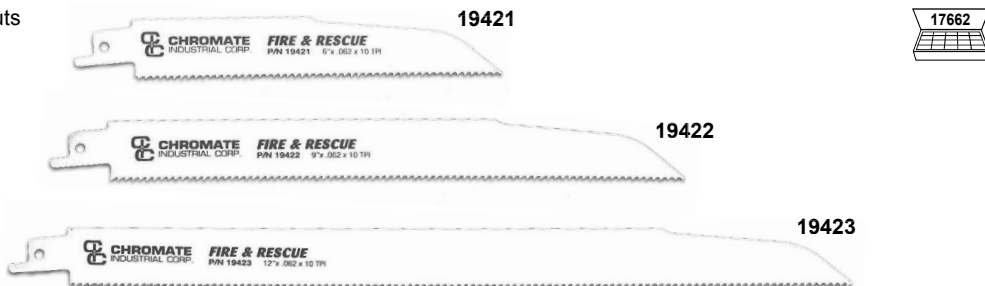


TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
10/14	6 x 3/4 x .050	All woods, plastic, cast aluminum, nail-embedded wood & soil pipe.	E 19405
10	6 x 3/4 x .035	Wood, nail-embedded wood, compositions, plastic, cast aluminum & non-ferrous metals.	E 19410
10	8 x 3/4 x .035	All woods, nail-embedded wood, cast aluminum & light gauge metals.	E 19427
10/14	8 x 3/4 x .050	All woods, plastic, cast aluminum, nail-embedded wood & soil pipe.	E 19411
14	6 x 1 x .042	For cutting wood, nail-embedded wood and metal (Annihilator™ Blade).	C 19441
14	9 x 1 x .042	For cutting wood, nail-embedded wood and metal (Annihilator™ Blade).	C 19445
14	12 x 1 x .042	For cutting wood, nail-embedded wood and metal (Annihilator™ Blade).	C 19448
5/8	6 x 7/8 x .062	For cutting wood, nail-embedded wood and metal (Demolition™ Blade).	E 19455
6	9 x 7/8 x .062	For cutting wood, nail-embedded wood and metal (Demolition™ Blade).	C 19453
10	9 x 7/8 x .062	For cutting wood, nail-embedded wood and metal (Demolition™ Blade).	C 19454
6	12 x 7/8 x .062	For cutting wood, nail-embedded wood and metal (Demolition™ Blade).	B 19457
10	12 x 7/8 x .062	For cutting wood, nail-embedded wood and metal (Demolition™ Blade).	B 19458

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FIRE AND RESCUE BLADES

- Wavy tooth set reduces pinching during cuts
- Profile designed for plunge cutting
- Smooth, quick and efficient cutting of layered materials
- For professional extrication uses
- Reliable, long lasting cutting edge
- Cuts more smoothly through a variety of materials without binding



TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
10	6 x 7/8 x 0.062	Fast cutting, demolition, nail-embedded wood, composites, plastics, metals	A 19421
10	9 x 7/8 x 0.062	Fast cutting, demolition, nail-embedded wood, composites, plastics, metals	A 19422
10	12 x 7/8 x 0.062	Fast cutting, demolition, nail-embedded wood, composites, plastics, metals	A 19423

CIC 200™ BI-METAL SAW BLADES

RECIPROCATING SAW BLADES — 1/2" SHANK



19477



PLASTER CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
6	6 x 3/4 x .035	Plaster with metal lathe, plaster board, sheet rock and plaster walls. Tooth design cuts on forward and back stroke.	19477

SABRE / JIG SAW BLADES — 1/4" SHANK



19207



19200



19201



19202



19203

METAL CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
18	2-3/4 x 3/8 x .035	Metal under 18 gauge	19202
24	2-3/4 x 3/8 x .035	Ferrous and non-ferrous metal to 1/8" thick	19203

WOOD CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
6	3-5/8 x 3/8 x .035	Wood, fiberboard, coarsecut.	19207
10	3-5/8 x 3/8 x .035	Wood, plywood, hard-board, smooth finish of wood and plastic.	19200

WOOD AND METAL CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
14	3-5/8 x 3/8 x .035	Mild steel, non-ferrous metals, fiberglass, hard rubber and nail-embedded wood.	19201

CIC 200™ BI-METAL SAW BLADES

SABRE / JIG SAW BLADES — BOSCH SHANK



19214



19213



19217



19216



19212

METAL CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
14	3 x 3/8 x .035	Ferrous and non-ferrous metals 1/8" and thicker	E 19212
18	3 x 3/8 x .035	Metals over 18 gauge. Tubing, conduit.	E 19213
24	3 x 3/8 x .035	Thin metals, plastics. Fine cuts under 18 gauge.	E 19216

WOOD CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
6	4 x 5/16 x .050	Wood, fiberboard, roughing work and fast cutting.	E 19214
8	4 x 5/16 x .040	General purpose wood cutting, compositions & plastic.	E 19217

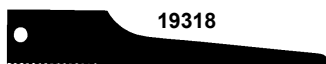
BI-METAL AIR SAW BLADES

PNEUMATIC SABRE SAW BLADES

Bi-metal construction cuts through pipe, mild steel, aluminum, plastic and fiberglass.



19314



19318



19324



19332

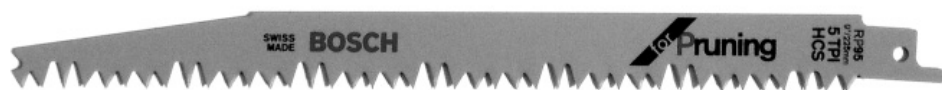
DESCRIPTION	LENGTH	TPI	PART
Bi-Metal Blade	3"	14	E 19314
Bi-Metal Blade	3"	18	E 19318
Bi-Metal Blade	3"	24	E 19324
Bi-Metal Blade	3"	32	E 19332

CIC 200™ STANDARD SAW BLADES

DURABLE CARBON AND HIGH-SPEED STEEL CONSTRUCTION

Milled teeth, set and hardened for maximum performance in metal, wood and other materials.

RECIPROCATING SAW BLADES – 1/2" SHANK



WOOD CUTTING

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
5	9 x 3/4 x .050	Very fast cutting, roughing-in work in wood, pruning	E 19401

SABRE / JIG SAW BLADES – 1/4" SHANK



19499



19406 "RAZOR-EDGE"



19407 "RAZOR-EDGE"

WOOD CUTTING / SPECIAL PURPOSE

TEETH PER INCH	DIMENSIONS L x W x T	RECOMMENDED USES	PART
10	4 x 5/16 x .050	Reverse teeth for cutting laminated materials from top side to eliminate chipping. Extra-fine cut.	E 19499
10	4 x 5/16 x .050	Softwood, hardwood, plywood, chipboard, plastic up to 2" thick, clean/fast cutting	E 19406
6	4 x 5/16 x .050	Softwood, hardwood, plywood, chipboard, plastic up to 2" thick, clean/fast cutting	E 19407

CIC 200™ TUNGSTEN CARBIDE EDGE SAW BLADES

A CUTTING EDGE OF UNCOMPARABLE ABILITY

Thousands of particles of tungsten carbide (one of the hardest materials known) are permanently bonded to tough alloy steel, forming a cutting edge of unparalleled ability. They will cut through the hardest of steels and most abrasive materials with ease.

RECIPROCATING SAW – 1/2" UNIVERSAL SHANK



DESCRIPTION	LENGTH	GRIT		PART
Standard Blade	4"	Coarse	B	22740
Standard Blade	6"	Coarse	B	22780
Standard Blade	8"	Coarse	A	22782

SABRE/JIG SAW – 1/4" UNIVERSAL SHANK



DESCRIPTION	LENGTH	GRIT		PART
Standard Blade	2-7/8"	Medium	B	22720

SABRE/JIG SAW – BOSCH TYPE SHANK



DESCRIPTION	LENGTH	GRIT		PART
Standard Blade	3"	Medium	B	22800

Sāf-T-Küt™ CARBIDE TIPPED SAW BLADES

RECIPROCATING SAW BLADES – 1/2" SHANK

Designed to safely cut through drywall and plaster without damaging hidden lines within walls. The carbide tipped blades were developed by contractors just like you that were spending time and money fixing mistakes created by old style blades.

- Fits any reciprocating saw
- Cuts through drywall and plaster easily
- Keeps plumbing and electrical lines safe
- Eliminates dust



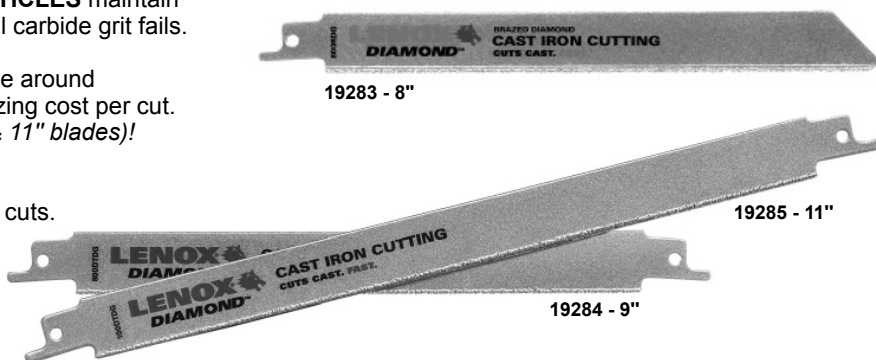
DRYWALL AND PLASTER CUTTING

DESCRIPTION	LENGTH		PART
Specialty Blade	2-1/8"	B	19270

DIAMOND/DOUBLE TANG RECIP SAW BLADES

LENOX DIAMOND & DIAMOND DOUBLE TANG RECIPROCATING SAW BLADES

- **NICKEL ALLOY-BRAZED DIAMOND PARTICLES** maintain sharpness to keep cutting after conventional carbide grit fails.
- **DOUBLE TANG** allows end user to flip blade around reducing amount of wasted grit and maximizing cost per cut. *Extends the life of the blade 6X longer (9" & 11" blades)!*
- **CUTS 3X FASTER***
A narrow kerf design enables thinner, faster cuts.
- **STRAIGHT, CLEAN CUTS**
Unlike bulky snap cutters which crush pipes and leave ragged, uneven cuts, LENOX DIAMOND cuts clean.
- **VERSATILE**
Cuts cast iron, tile, brick and natural stone.



*Speed measured cutting 4" cast iron pipe at maximum speed vs. the leading competitor.

GRIT	DIMENSIONS L x W x T	RECOMMENDED USES	PART
Diamond	8" x 3/4" x .040"	Cuts cast iron, tile, brick and natural stone	A 19283
Diamond	9" x 3/4" x .042"	Cuts cast iron, tile, brick and natural stone	A 19284
Diamond	11" x 3/4" x .042"	Cuts cast iron, tile, brick and natural stone	A 19285

RECIPROCATING SAW ASSORTMENT

FOR ANY STANDARD RECIPROCATING SAW BLADE

Assortment comes with one CIC 200™ Bi-Metal Reciprocating Blade and one 6-18T CIC 200™ Bi-Metal Reciprocating Blade.

RECIPROCATING SAW HANDLE ASSORTMENT

- HANDLE USES ANY STANDARD RECIPROCATING SAW BLADE
- QUICK-TWIST LOCK HOLDS BLADE AND BIT HOLDER IN PLACE QUICKLY AND EASILY
- ERGONOMIC HANDLE WITH ANGLED SETTING FOR ADDED LEVERAGE
- ALSO USES ANY STANDARD 1/4" BIT HOLDER, NUT DRIVER, POWER BIT, ETC.
- HANDLES STORE 6 OF THE MOST POPULAR INSERT BITS: #5 & #6 SLOTTED, #1 & #2 PHILLIPS, AND T15 * T20 TORX BITS
- EASY-LOCK BLADE AND BIT CLAMP TWISTS AND LOCKS THE BLADE OR BITS IN PLACE



DESCRIPTION	PART
RECIPROCATING SAW HANDLE ASSORTMENT (1 each) Reciprocating Saw Handle, Magnetic Bit Holder, #5 & #6 Slotted Insert Bits, #1 & #2 Phillips Insert Bits, T15 & T20 Torx Insert Bits, 6-6T CIC 200™ Bi-Metal Reciprocating Blade and 6-18T CIC 200™ Bi-Metal Reciprocating Blade	A 30385

CIC 200™ SUPER WELD™ BAND SAW BLADES

WELDED-TO-LENGTH

For all difficult cutting applications including stainless, alloy and high carbon heat-treated steels. Bi-metal construction of high speed steel edge welded to spring steel back, custom cut and welded to your machine specifications.

VARI-PITCH — SPECIAL SET



FASTER, SMOOTHER AND QUIETER CUTS WITH INCREASED PROTECTION AGAINST TOOTH STRIPPAGE.

WIDTH	THICKNESS	TEETH/IN.	PART	WIDTH	THICKNESS	TEETH/IN.	PART
1/4	.025	14/10	A 19621	1	.035	8/5	A 19635
1/2	.025	12/8	A 19622	1	.035	6/4	A 19633
1/2	.025	10/6	A 19623	1	.035	4/3	A 19636
3/4	.035	14/10	A 19624	1	.035	3/2	A 19634
3/4	.035	12/8	A 19626	1-1/4	.042	10/6	A 19639
3/4	.035	10/6	A 19627	1-1/4	.042	8/5	A 19644
3/4	.035	8/5	A 19625	1-1/4	.042	6/4	A 19645
3/4	.035	6/4	A 19628	1-1/4	.042	4/3	A 19648
1	.035	14/10	A 19629	1-1/4	.042	3/2	A 19649
1	.035	12/8	A 19631	1-1/2	.050	3/2	A 19654
1	.035	10/6	A 19632	1-1/2	.050	6/4	A 19659

STANDARD TOOTH — RAKER SET



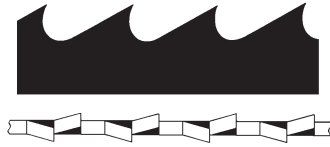
THE MOST POPULAR TOOTH AND SET CONFIGURATIONS FOR MOST GENERAL PURPOSE CUTTING APPLICATIONS.



WIDTH	THICKNESS	TEETH/IN.	PART	WIDTH	THICKNESS	TEETH/IN.	PART
1/4	.025	14	A 19638	3/4	.035	8	A 19655
1/4	.025	10	A 19637	3/4	.035	6	A 19656
3/8	.025	14	A 19643	1	.035	10	A 19653
3/8	.025	10	A 19642	1	.035	8	A 19657
3/8	.025	8	A 19641	1	.035	6	A 19658
1/2	.025	14	A 19647	1	.035	4	A 19662
1/2	.025	10	A 19646	1-1/4	.042	6	A 19666
3/4	.035	14	A 19652	1-1/4	.042	4	A 19669
3/4	.035	10	A 19651	—	—	—	—

CIC 200™ SUPER WELD™ BAND SAW BLADES

HOOK TOOTH — RAKER SET



DESIGNED FOR HARDER, NON-FERROUS METALS OR LARGER SECTIONS OF MILD STEEL OR WOOD. REMOVES MORE MATERIAL WITH LESS FEED PRESSURE.

WIDTH	THICKNESS	TEETH/IN.	PART	WIDTH	THICKNESS	TEETH/IN.	PART
1/4	.025	6	A 19960	1	.035	4	A 19964
3/8	.025	4	A 19961	1	.035	3	A 19965
1/2	.025	4	A 19962	1-1/4	.042	3	A 19966
3/4	.035	3	A 19963	-	-	-	-

SKIP TOOTH — RAKER SET



RECOMMENDED FOR SOFT OR STRINGY METALS SUCH AS ALUMINUM, MAGNESIUM, COPPER OR WOOD. FACILITATES REMOVAL OF CHIPS. WILL NOT CLOG GULLETS AS WITH STANDARD TOOTH FORMS.

WIDTH	THICKNESS	TEETH PER INCH	PART
1	.035	4	A 19968

VARI-PITCH — SPECIAL SET



FASTER, SMOOTHER AND QUIETER CUTS WITH INCREASED PROTECTION AGAINST TOOTH STRIPPAGE.

WIDTH	THICKNESS	TEETH PER INCH	PART
5/8	.035	14/10	A 19650

PORTABLE BAND SAW BLADES

STANDARD TOOTH — RAKER SET



THE MOST POPULAR TOOTH AND SET CONFIGURATION FOR MOST GENERAL PURPOSE CUTTING OPERATIONS.

LENGTH	WIDTH	TEETH/IN.	PART	LENGTH	WIDTH	TEETH/IN.	PART
44-7/8"	1/2	24	c 19929	53-3/4"	1/2	18	c 19933
44-7/8"	1/2	18	c 19930	53-3/4"	1/2	14	c 19934
44-7/8"	1/2	14	c 19931	53-3/4"	1/2	10	c 19935
44-7/8"	1/2	10	c 19932	54"	1/2	14/10	c 19940
53-3/4"	1/2	24	c 19936	54"	1/2	18/14	c 19945

CARBON HARD BACK BAND SAW BLADES

WELDED-TO-LENGTH

For cutting light structurals, pipe tubing and similar light duty applications. Carbon steel construction. Available welded-to-length or in 100 foot coils.

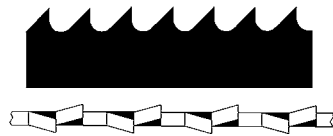
VARI-PITCH — SPECIAL SET



FASTER, SMOOTHER AND QUIETER CUTS WITH INCREASED PROTECTION AGAINST TOOTH STRIPPAGE.

WIDTH	THICK.	TEETH/IN.	PART	100' COILS	WIDTH	THICK.	TEETH/IN.	PART	100' COILS
1/4	.025	14/10	19664		3/4	.032	14/10	19676	T 19616
3/8	.025	14/10	19668	T 19612	3/4	.032	12/8	19677	T 19608
1/2	.025	14/10	19672	T 19614	3/4	.032	10/6	19678	T 19617
1/2	.025	12/8	19673	T 19607	1	.035	12/8	19681	T 19618
1/2	.025	10/6	19674	T 19615	1	.035	10/6	19682	T 19609
					1	.035	6/4	19683	T 19619

STANDARD TOOTH — RAKER SET



THE MOST POPULAR TOOTH AND SET CONFIGURATIONS FOR MOST GENERAL PURPOSE CUTTING APPLICATIONS.

WIDTH	THICK.	TEETH/IN.	PART	100' COILS	WIDTH	THICK.	TEETH/IN.	PART	100' COILS
1/4	.025	24	19739	—	5/8	.032	14	19751	T 19813
1/4	.025	18	19762	T 19801	5/8	.032	10	19752	T 19814
1/4	.025	14	19741	T 19802	5/8	.032	8	19753	T 19815
1/4	.025	10	19742	T 19803	3/4	.032	14	19767	T 19816
3/8	.025	18	19764	T 19804	3/4	.032	12	19766	T 19817
3/8	.025	14	19743	T 19805	3/4	.032	10	19754	T 19818
3/8	.025	10	19744	T 19806	3/4	.032	8	19755	T 19819
3/8	.025	8	19745	T 19807	3/4	.032	6	19756	T 19820
1/2	.025	24	19746	T 19808	1	.035	14	19769	T 19821
1/2	.025	18	19765	—	1	.035	10	19768	T 19822
1/2	.025	14	19747	T 19810	1	.035	8	19771	T 19823
1/2	.025	10	19748	T 19811	1	.035	6	19772	T 19824
1/2	.025	6	19749	T 19812	—	—	—	—	—

STANDARD TOOTH — WAVY SET



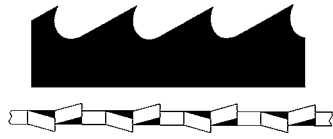
DESIGNED TO BE STRONGER AND MORE DURABLE THAN OTHER TOOTH SETS. HOWEVER, IT PRODUCES A SLOWER, COARSER CUT.

WIDTH	THICK.	TEETH/IN.	PART	100' COILS	WIDTH	THICK.	TEETH/IN.	PART	100' COILS
1/4	.025	32	19711	T 19826	3/4	.032	14	19714	T 19829
1/2	.025	14	19712	T 19827	3/4	.032	10	19715	T 19830
3/4	.032	18	19713	T 19828	-	-	-	-	-

DUE TO SPECIAL PROCESSING ALLOW 2-3 WEEKS FOR DELIVERY OF CUSTOM CUT & WELDED BLADES.

CARBON HARD BACK BAND SAW BLADES

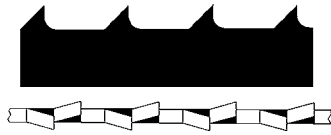
HOOK TOOTH — RAKER SET



DESIGNED FOR HARDER, NON-FERROUS METALS OR LARGER SECTIONS OF MILD STEEL OR WOOD. REMOVES MORE MATERIAL WITH LESS FEED PRESSURE.

WIDTH	THICK.	TEETH/IN.	PART	100' COILS	WIDTH	THICK.	TEETH/IN.	PART	100' COILS
1/4	.025	6	19900	t 19851	1/2	.025	3	19907	t 19858
1/4	.025	4	19901	t 19852	3/4	.032	6	19908	t 19859
3/8	.025	6	19902	t 19853	3/4	.032	3	19909	t 19860
3/8	.025	4	19903	t 19854	1	.035	3	19910	t 19861
1/2	.025	6	19905	t 19856	1	.035	2	19911	t 19862
1/2	.025	4	19906	t 19857	—	—	—	—	—

SKIP TOOTH — RAKER SET

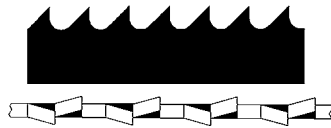


RECOMMENDED FOR SOFT OR STRINGY METALS SUCH AS ALUMINUM, MAGNESIUM, COPPER OR WOOD. FACILITATES REMOVAL OF CHIPS. WILL NOT CLOG GULLETS AS WITH STANDARD TOOTH FORMS.

WIDTH	THICK.	TEETH/IN.	PART	100' COILS	WIDTH	THICK.	TEETH/IN.	PART	100' COILS
1/4	.025	6	19920	t 19840	1/2	.025	4	19924	t 19844
1/4	.025	4	19921	t 19841	1/2	.025	3	19925	t 19845
3/8	.025	3	19923	t 19843	3/4	.032	3	19926	t 19846
—	—	—	—	—	1	.035	3	19927	t 19847

PORTABLE BAND SAW BLADES

STANDARD TOOTH — RAKER SET



THE MOST POPULAR TOOTH AND SET CONFIGURATION FOR MOST GENERAL PURPOSE CUTTING OPERATIONS.

LENGTH	WIDTH	THICKNESS	TEETH/IN.	PART	LENGTH	WIDTH	THICKNESS	TEETH/IN.	PART
44-7/8"	1/2	.020	18	c 19684	54"	1/2	.025	24	c 19688
44-7/8"	1/2	.020	14	c 19685	54"	1/2	.025	18	c 19689
53-3/4"	1/2	.020	18	c 19686	54"	1/2	.025	14	c 19690
53-3/4"	1/2	.020	14	c 19687	54"	1/2	.025	10	c 19691

STANDARD TOOTH — WAVY SET



VARI-PITCH TOOTH — SPECIAL SET



LENGTH	WIDTH	THICKNESS	TEETH/IN.	PART	LENGTH	WIDTH	THICKNESS	TEETH/IN.	PART
54"	1/2	.025	14	c 19679	54"	1/2	.025	14/10	c 19675

BAND SAW SELECTION GUIDE

TOOTH SELECTION

Teeth and gullets both cut the chips and remove them from the work. The different tooth forms affect the way in which the job is performed.

TOOTH FORM

STANDARD TOOTH

STANDARD TOOTH face is perpendicular to the back of the blade. Gullets are rounded which allows good chip curl, and facilitates removal of chips from the kerf (cut). Standard tooth is used in most cutting applications and is available in pitches of from 4 to 32 teeth per inch.

SKIP TOOTH

Although **SKIP TOOTH** faces are perpendicular to the back of the blade in this form also, gullets are longer and flatter. In softer materials this facilitates removal of chips which might clog standard form gullets. Recommended for soft or stringy metals such as aluminum, magnesium, copper or wood.

HOOK TOOTH

HOOK TOOTH has a 10% positive rake, which pulls the blade into the work. This "digging" action allows hook tooth blades to remove more material with less feed pressure. Hook tooth is popular for harder, non-ferrous metals or larger sections of mild steel or wood.

VARIABLE PITCH

VARIABLE PITCH blades offer teeth varying in size, set and gullet depth. This variation brings teeth into the work at constantly changing angles for faster, smoother and quieter cutting. The varying gullet sizes also allow increased protection against tooth strippage when blades are used on a wide range of materials and/or dimensions.

TOOTH PITCH



TOO COARSE

TOO FINE

CORRECT

PITCH is the number of teeth per inch. The rule of thumb is that three teeth minimum must be in contact with the work at all times. After that rule is satisfied, hard and/or small cross sections require finer pitch (more teeth per inch); large sections or softer materials take a coarser pitch.

The right pitch is critical! Too few teeth can destroy the blade by stripping teeth. Too many teeth will cut inefficiently, greatly increasing the time required per cut and reducing the number of cuts from each blade.

SET SELECTION

The teeth of most saw blades are set, or angled, to make a cut wider than the blade body so that the back of the blade can pass through the work without binding.

RAKER SET



A recurring sequence of teeth — one set right, one set left and one not set. Those teeth set to the sides "saw" the work while the straight tooth clears or "rakes" the chips from the work. Raker set is used in the vast majority of band sawing applications.

WAVY SET



Three teeth with varying sets to the right followed by one straight tooth and three teeth with varying sets to the left. Because three teeth share the cutting and the set extends below the gullets, wavy set teeth are less likely to strip than raker set teeth. Offsetting their stronger construction, wavy set blades cut slower and produce a coarser finish than raker set blades.

NOTE: VARI-PITCH blades are specially set to suit each tooth design. Their sets do not necessarily conform to any of the above descriptions.

RADIUS SELECTION CHART

BLADE WIDTH	RADIUS	For maximum strength and rigidity, we recommend using the widest blade possible, depending on the cutting application.
1"	7-1/4"	
3/4"	5-7/16"	
5/8"	3-3/4"	
1/2"	2-1/2"	
3/8"	1-7/16"	
1/4"	5/8"	
3/16"	5/16"	
1/8"	1/8"	

CIRCULAR SAW BLADES

STEEL & FERROUS METAL CIRCULAR SAW BLADES



- Ferrous circular saw blades have been designed with a durable C-6 carbide grade and triple chip tooth grind to ensure a long cutting life in ferrous metals.
- Specially formulated micro grain carbide tips with titanium and tantalum. Lasts longer and leaves a burr free cut with little to no sparks or dust, commonly associated with abrasives.
- They also cut 5 to 10 times faster and last up to 30 times longer than abrasives, this allows fewer blade changes and increased production.
- They can also be used for cutting non-ferrous metals.

Features

- Professional Grade C-6 Carbide
- Laser Cut Expansion Slots
- Triple Chip Grind
- Precision Ground Carbide Tips
- Tensioned & Hardened Steel Plate
- Surface Ground Steel Plate

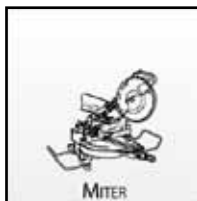
Cuts Ferrous Metals

- Steel studs
- Angle iron
- Pipe
- Rebar
- Channel
- Flat stock
- Conduit

Cuts Non-Ferrous Metals

- Aluminum
- Copper
- Brass

For use with



Note: Blades with more teeth are generally better suited for thinner material. Blades with less teeth are better suited for thicker material.

DIAMETER	TEETH	GRIND	ARBOR	MAX RPM	PART	
7-1/4"	36	TCG	5/8"	5,800	A	19041
8"	48	TCG	5/8"	5,800	A	19042
10"	52	TCG	1" with 5/8" bushing	5,200	A	19051
10"	80	TCG	5/8"	5,200	A	19052
14"	80	TCG	1"	1,800	A	19043
14"	120	TCG	1"	1,800	A	19044

CIRCULAR SAW BLADES

ALUMINUM & NON-FERROUS METAL CIRCULAR SAW BLADES



- Non-ferrous blades have been designed with a negative hook angle, triple chip tooth grind, and precision ground micro grain carbide tips.
- The specially formulated tungsten carbide lasts longer than other carbide grades and leaves burr free cuts in all types of non-ferrous metals.
- The 10" and larger feature copper plugged expansion slots for reduced noise and vibration.
- Smaller diameter blades feature laser cut expansion slots and heat vents for cooler operation.

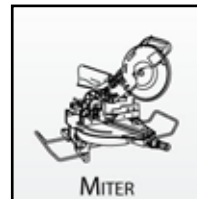
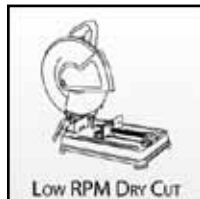
Features

- Professional Grade C-1 Carbide
- Negative Hook Angle
- Copper Plugged Expansion Slots
- Triple Chip Grind
- Tensioned & Hardened Steel Plate
- Surface Ground Steel Plate

Cuts Non-Ferrous Metals

- Aluminum
- Copper
- Brass
- Bronze
- Most plastics

For use with



Warning: Never attempt to cut steel or ferrous metals with these blades. It is highly recommended that you use a liquid lubricant or coolant when cutting non ferrous metals. Proper clamping devices should be employed.

DIAMETER	TEETH	GRIND	ARBOR	KERF	PART	
7-1/4"	60	TCG	5/8"	0.075"	A	19045
10"	100	TCG	5/8"	0.110"	A	19046
12"	120	TCG	1"	0.118"	A	19047

CIRCULAR SAW BLADES

RESCUE AND DEMOLITION CIRCULAR SAW BLADE



- The rescue and demolition blade has been designed with a reinforced shoulder design, heavy duty steel plate, negative hook angle, and fracture resistant carbide tips.
- These blades are very popular with firefighters for rescue operations and general demolition work. Cuts through most building materials.

Features

- Professional Grade Carbide
- Negative Hook Angle
- Reinforced Shoulder Design
- Flat Top Grind
- Heavy Duty Steel Plate
- Fracture Resistant Carbide Tips

Cuts

- Roofing
- Shingles
- Thin non-ferrous metals
- Wood with embedded nails
- Most plastics

For use with



Warning: Never use these blades on multi-purpose cutoff saws, including gas powered, unless the saw has a guard that completely covers both the upper and lower half of the blade. This guard must extend to the lowest point of the cutting teeth on the bottom of the blade. Read and follow all instructions that came with your machine. Use with extreme caution and care.

DIAMETER	TEETH	GRIND	ARBOR	KERF	PART	
14"	30	FTG	1" with 7/8" & 20mm bushings	0.134"	A	19048

STACK DADO SETS



- The 16 piece stack dado blade sets are perfect for the woodworker who wants a premium cut at an affordable price. The precision ground C-4 micro grain carbide tips stay sharp longer.
- The high tooth count saws and chippers produce smooth bottom dado cuts ranging from 1/4" to 29/32".
- The full body chippers make for an easier setup and less vibration when compared to other sets that feature wing style chippers.
- Also includes detailed dado setup instructions and a shim set for fine dado adjustments.

Features

- Professional Grade C-4 Carbide
- Full Body Dado Chippers
- Precision Ground Carbide Tips
- Storage/Carrying Case
- Shim Set for Fine Adjustments

Cuts

- Hardwood
- Softwood
- Plywood

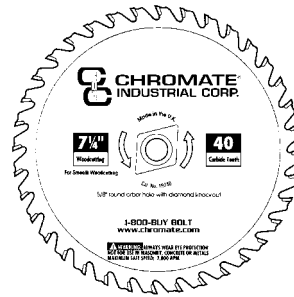
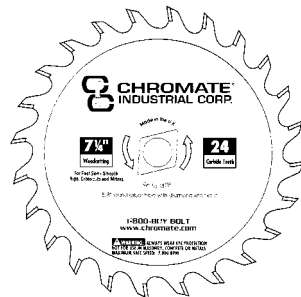
For use with



DIAMETER	DADO SAW TEETH	ARBOR	CHIPPER TEETH	PART	
6"	30	5/8"	5	A	19049
8"	42	5/8"	6	A	19050

CIRCULAR SAW BLADES

FOR WOODCUTTING



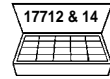
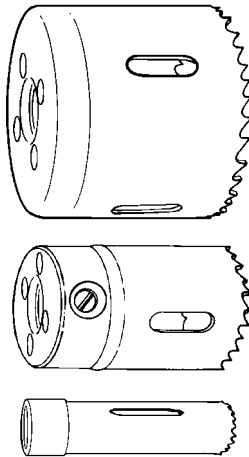
- TOUGH TUNGSTEN CARBIDE TIPS STAY SHARPER LONGER
- THIN KEY FOR FASTER, SMOOTHER CUTS

TEETH PER INCH	SIZE	RECOMMENDED USES	PART
16	5-3/8	For smooth woodcutting	A 19520
24	7-1/4 x 5/8" round arbor hole with diamond knockout	For fast semi-smooth rips, crosscuts and miters	A 19724
40	7-1/4 x 5/8" round arbor hole with diamond knockout	For smooth woodcutting	A 19740
40	10"	For general purpose woodcutting	A 19040

CIC 200™ HOLE SAWS

BI-METAL, VARIABLE PITCH TOOTH DESIGN

CIC 200™ hole saws cut faster and longer – saving time, money and labor.



VARIABLE PITCH TOOTH DESIGN:

- CUTS UP TO 48% FASTER THAN 6 T.P.I.
- CUTS UP TO 30% FASTER THAN STANDARD VARIABLE PITCH HOLE SAWS.
- REDUCED HARMONICS AND SUPERIOR CHIP CLEARANCE REQUIRES LESS FEED PRESSURE AND REDUCES POSSIBILITY OF TEETH DULLING.

M3 HIGH SPEED STEEL CUTTING EDGE:

- MORE WEAR RESISTANT THAN OTHER EDGE MATERIALS FOR LONGER LIFE.
- MORE RESISTANT TO SOFTENING AT HIGH TEMPERATURES — REDUCING POSSIBILITY OF TEETH DULLING AT HIGH RPM'S.

1-3/8" DEPTH:

- CUTS THROUGH 2" DIMENSIONAL LUMBER IN ONE PASS — REDUCING LABOR COSTS AND ELIMINATING NEED FOR DEEP HOLE SAWS.

1/2-20 ARBOR HOLE

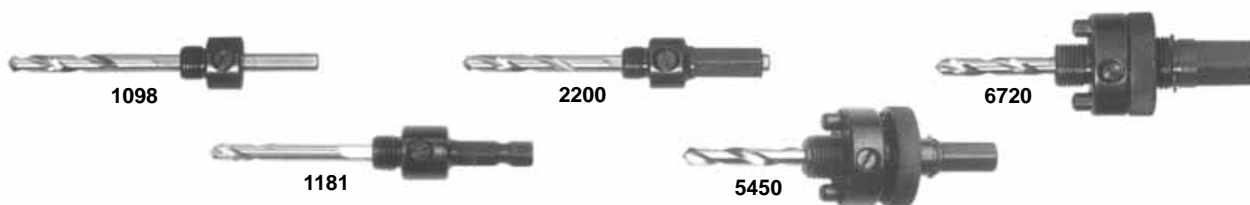
DIAMETER	PIPE ENTRANCE	PART	DIAMETER	PIPE ENTRANCE	PART
9/16 (14mm)	1/4	A 1009	15/16 (24mm)	1/2	A 1015
5/8 (16mm)	1/4	A 1010	1 (25mm)	1/2	A 1016
11/16 (17mm)	1/4	A 1011	1-1/16 (27mm)	1/2	A 1017
3/4 (19mm)	3/8	A 1012	1-1/8 (29mm)	3/4	A 1018
13/16 (21mm)	3/8	A 1013	1-3/16 (30mm)	3/4	A 1019
7/8 (22mm)	1/2	A 1014	-	-	-

5/8-18 ARBOR HOLE

DIAMETER	PIPE ENTRANCE	PART	DIAMETER	PIPE ENTRANCE	PART
1-1/4 (32mm)	3/4	A 1020	2-3/4 (70mm)	2-1/2	A 1044
1-5/16 (33mm)	3/4	A 1021	2-7/8 (73mm)	2-1/2	A 1046
1-3/8 (35mm)	3/4	A 1022	3 (76mm)	2-1/2	A 1048
1-7/16 (37mm)	3/4	A 1023	3-1/8 (79mm)	2-1/2	A 1050
1-1/2 (38mm)	1-1/4	A 1024	3-1/4 (83mm)	3	A 1052
1-9/16 (40mm)	1-1/4	A 1025	3-3/8 (86mm)	3	A 1054
1-5/8 (41mm)	1-1/4	A 1026	3-1/2 (89mm)	3	A 1056
1-11/16 (43mm)	1-1/4	A 1027	3-5/8 (92mm)	3	A 1058
1-3/4 (44mm)	1-1/2	A 1028	3-3/4 (95mm)	3	A 1060
1-13/16 (46mm)	1-1/2	A 1029	3-7/8 (98mm)	3-1/2	A 1062
1-7/8 (48mm)	1-1/2	A 1030	4 (102mm)	3-1/2	A 1064
2 (51mm)	1-1/2	A 1032	4-1/8 (105mm)	3-1/2	A 1066
2-1/16 (52mm)	1-1/2	A 1033	4-1/4 (108mm)	3-1/2	A 1068
2-1/8 (54mm)	1-1/2	A 1034	4-3/8 (111mm)	4	A 1070
2-1/4 (57mm)	2	A 1036	4-1/2 (114mm)	4	A 1072
2-5/16 (59mm)	2	A 1037	4-3/4 (121mm)	4-1/2	A 1076
2-3/8 (60mm)	2	A 1038	5 (127mm)	4-1/2	A 1080
2-1/2 (64mm)	2	A 1040	5-1/2 (140mm)	5	A 1088
2-9/16 (65mm)	2	A 1041	5-3/4 (146mm)	5	A 1092
2-5/8 (67mm)	2-1/2	A 1042	6 (152mm)	5	A 1096

CIC 200™ HOLE SAWS

ARBORS AND ADAPTERS



ARBORS

SHANK TYPE	THREAD SIZE	FITS SAWS		PART
1/4-ROUND	1/2-20	1009-1019	A	1098
3/8-HEX	1/2-20	1009-1019	A	1181
7/16-HEX	1/2-20	1009-1019	A	2200
7/16-HEX W/LOCK PINS	5/8-18	1020-1096	A	5450
5/8-HEX	5/8-18	1020-1096	A	6720

DESCRIPTION	PART
ARBOR ADAPTER (BUSHING) — Use with 1098, 1181, and 2200 for larger size hole saws with 5/8-18 hole size	A 3391
REPLACEMENT PILOT DRILLS — Size 1/4" fits 1098, 2200 and 5450 arbors Size 1/4" fits 1181 arbor	A 3992 A 3994
HIGH-TORQUE BACKUP PLATES Drive plates used between the hole saw and arbor to distribute driving torque when cutting with larger saws Size 3" - 4-1/2" Size 4-1/4" - 6"	A 3981 A 3982
EXTENSION FOR 7/16" ARBORS — For use with 2200 and 5450 arbors / Length 12" — 7/16 Drive	A 3989

HOLE SAW SETS

The most popular hole saws and arbors packed in high-impact polyethylene cases.

	DESCRIPTION	PART
	MECHANICS HOLE SAW SET (7-PIECE) 7/8" (P/N 1014), 1" (P/N 1016), 1-1/8" (P/N 1018), 1-1/4" (P/N 1020) and 1-1/2" (P/N 1024) Hole Saws, 1/4" Round Shank Arbor with 1/2"-20 Threads (P/N 1098) and Arbor Adapter (P/N 3391)	A 8826
	INDUSTRIAL HOLE SAW SET (13-PIECE) 3/4" (P/N 1012), 1-3/4" (P/N 1028), 7/8" (P/N 1014), 1-1/8" (P/N 1018), 1-3/8" (P/N 1022), 1-1/2" (P/N 1024), 2" (P/N 1032), 2-1/8" (P/N 1034), and 2-1/2" (P/N 1040) Hole Saws, 1/4" Round Shank Arbor with 1/2"-20 Threads (P/N 1098), 7/16" Hex Shank Arbor with 1/2"-20 Threads (P/N 2200), 7/16" Hex Arbor w/Lock Pins, 5/8"-18 Threads (P/N 5450), and 12" Long 7/16" Drive Extension (P/N 3989)	A 8829
	LARGE INDUSTRIAL HOLE SAW SET (19-PIECE) 3/4" (P/N 1012), 7/8" (P/N 1014), 1-1/8" (P/N 1018), 1-3/8" (P/N 1022), 1-1/2" (P/N 1024), 1-3/4" (P/N 1028), 2" (P/N 1032), 2-1/4" (P/N 1036), 2-1/2" (P/N 1040), 3" (P/N 1048), 3-1/4" (P/N 1052), 3-5/8" (P/N 1058), 3-3/4" (P/N 1060), 4-1/4" (P/N 1068) and 4-1/2" (P/N 1072) Hole Saws, 1/4" Round Shank Arbor with 1/2"-20 Threads (P/N 1098), 7/16" Hex Shank Arbor with 1/2"-20 Threads (P/N 2200), 7/16" Hex Arbor w/Lock Pins, 5/8"-18 Threads (P/N 5450), and 12" Long 7/16" Drive Extension (P/N 3989)	A 8831

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

LONG LASTING, FAST CUTTING AND VERSATILE

CUTTING THE HOLE IS PRODUCTIVE.

STRUGGLING TO REMOVE THE PLUG ISN'T.

Bi-Metal Hole Saws cut wood two times faster and last twice as long cutting through metal, compared to the previous generation. The job goes even faster with the revolutionary SPEED SLOT™, which makes plug removal easy.

TRY IT YOURSELF AND BE MORE PRODUCTIVE.



SPEED SLOT™ HOLE SAWS Up to 2X Life

THE SPEED SLOT HOLE SAW OUTPERFORMS ALL COMPETITORS IN WOOD CUTTING, PLUG REMOVAL, AND METAL CUTTING APPLICATIONS.

THE PATENT PENDING SPEED SLOT
Features a staircase design for easy plug removal. The slot is wider than most and is placed lower on the hole saw with multiple leverage points to easily eject the plug with a standard screwdriver.

CUTTING EFFICIENCY

The hole saw is 10 percent taller than the previous model to deliver cleaner cuts through two-by lumber. The SPEED SLOT efficiently removes saw dust and chips while producing a fast cut and preventing the plug from getting stuck in the saw.

UP TO 2X LIFE IN METAL CUTTING

This new hole saw features up to twice the life as our prior model when cutting metal. An enhanced tooth geometry, a thin kerf design, and an advanced coating contribute to the efficiency of the cutting process by removing material faster, therefore generating less heat while cutting.

LENOX 



LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

PART NUMBERS FOR ORDERING

PLUG REMOVAL AS EASY AS 1-2-3
SPEED SLOT™ features a staircase design for easy plug removal.

UP TO 2X LIFE IN METAL CUTTING
Enhanced tooth geometry, a thin kerf design, and an advanced coating contribute to the efficiency of the cutting process.



Bold italic text = Non-stock item
Please allow for up to 2 weeks for delivery.



DIAMETER		P/N	PIPE TAP		PIPE ENTRANCE		SNAP-BACK™ ARBOR	PILOT DRILL
IN	MM		IN	MM	IN	MM		
9/16"	14.3	51700	-	-	-	-	1093	51753
5/8"	15.9	51701	-	-	-	-	1093	51753
11/16"	17.5	51702	-	-	-	-	1093	51753
3/4"	19.1	51703	1/2"	12.7	3/8"	9.5	1093	51753
25/32"	19.8	51712	-	-	-	-	1093	51753
13/16"	21.6	51704	-	-	-	-	1093	51753
7/8"	22.2	51705	3/4"	19.1	1/2"	12.7	1093	51753
15/16"	23.8	51706	-	-	-	-	1093	51753
1"	25.4	51707	-	-	-	-	1093	51753
1-1/16"	27.0	51708	-	-	-	-	1093	51753
1-1/8"	28.6	51709	1"	25.4	3/4"	19.1	1093	51753
1-3/16"	30.2	51710	-	-	-	-	1093	51753
1-1/4"	31.8	51711	-	-	-	-	1095, 1094	51753, 51754
1-5/16"	33.3	51713	-	-	-	-	1095, 1094	51753, 51754
1-3/8"	34.9	51714	-	-	1"	25.4	1095, 1094	51753, 51754
1-7/16"	36.5	51715	-	-	-	-	1095, 1094	51753, 51754
1-1/2"	38.1	51716	1-1/4"	31.8	-	-	1095, 1094	51753, 51754
1-9/16"	39.7	51717	-	-	-	-	1095, 1094	51753, 51754
1-5/8"	41.3	51718	-	-	-	-	1095, 1094	51753, 51754
1-11/16"	42.9	51719	-	-	-	-	1095, 1094	51753, 51754
1-3/4"	44.5	51720	1-1/2"	38.1	1-1/4"	31.8	1095, 1094	51753, 51754
1-13/16"	46.0	51721	-	-	-	-	1095, 1094	51753, 51754
1-7/8"	47.6	51722	-	-	-	-	1095, 1094	51753, 51754
2"	50.8	51723	-	-	1-1/2"	38.1	1095, 1094	51753, 51754
2-1/16"	52.4	51724	-	-	-	-	1095, 1094	51753, 51754
2-1/8"	54.0	51725	-	-	-	-	1095, 1094	51753, 51754
2-1/4"	57.2	51726	2"	50.8	-	-	1095, 1094	51753, 51754
2-3/8"	60.3	51727	-	-	-	-	1095, 1094	51753, 51754
2-1/2"	63.5	51728	-	-	2"	50.8	1095, 1094	51753, 51754
2-9/16"	65.1	51729	-	-	-	-	1095, 1094	51753, 51754
2-5/8"	66.7	51730	2-1/2"	63.5	-	-	1095, 1094	51753, 51754
2-11/16"	68.3	51731	-	-	-	-	1095, 1094	51753, 51754
2-3/4"	69.9	51732	-	-	-	-	1095, 1094	51753, 51754
2-7/8"	73.0	51733	-	-	-	-	1095, 1094	51753, 51754
3"	76.2	51734	-	-	2-1/2"	63.5	1095, 1094	51753, 51754
3-1/8"	79.4	51735	-	-	-	-	1095, 1094	51753, 51754
3-1/4"	82.6	51736	3"	76.2	-	-	1095, 1094	51753, 51754
3-3/8"	85.7	51737	-	-	-	-	1095, 1094	51753, 51754
3-1/2"	88.9	51738	-	-	-	-	1095, 1094	51753, 51754
3-5/8"	92.1	51739	-	-	3"	76.2	1095, 1094	51753, 51754
3-3/4"	95.3	51740	3-1/2"	85.7	-	-	1095, 1094	51753, 51754
3-7/8"	98.4	51741	-	-	-	-	1095, 1094	51753, 51754
4"	101.6	51742	-	-	-	-	1095, 1094	51753, 51754
4-1/8"	104.8	51743	-	-	3-1/2"	85.7	1095, 1094	51753, 51754
4-1/4"	108.0	51744	4"	95.3	-	-	1095, 1094	51753, 51754
4-3/8"	111.1	51745	-	-	-	-	1095, 1094	51753, 51754
4-1/2"	114.3	51746	-	-	-	-	1095, 1094	51753, 51754
4-5/8"	117.5	51747	-	-	4"	95.3	1095, 1094	51753, 51754
4-3/4"	120.7	51748	4-1/2"	108	-	-	1095, 1094	51753, 51754
5"	127.0	51749	-	-	-	-	1095, 1094	51753, 51754
5-1/2"	139.7	51750	-	-	-	-	1095, 1094	51753, 51754
6"	152.4	51751	-	-	-	-	1095, 1094	51753, 51754

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

RECOMMENDED RPM – METALS

DIAMETER IN	MM	MILD STEEL	TOOL & STAINLESS	CAST IRON	BRASS	ALUMINUM
9/16"	14.3	580	300	400	790	900
5/8"	15.9	550	275	365	730	825
11/16"	17.5	500	250	330	665	750
3/4"	19.1	460	230	300	600	690
25/32"	19.8	425	210	280	560	630
13/16"	20.6	425	210	280	560	630
7/8"	22.2	390	195	260	520	585
15/16"	23.8	370	185	245	495	555
1"	25.4	350	175	235	470	525
1-11/16"	27.0	325	160	215	435	480
1-1/8"	28.6	300	150	200	400	450
1-3/16"	30.2	285	145	190	380	425
1-1/4"	31.8	275	140	180	360	410
1-5/16"	33.3	260	135	175	345	390
1-3/8"	34.9	285	145	190	380	425
1-7/16"	36.5	240	120	160	315	360
1-1/2"	38.1	230	115	150	300	345
1-9/16"	39.7	220	110	145	290	330
1-5/8"	41.3	210	105	140	280	315
1-11/16"	42.9	205	100	135	270	305
1-3/4"	44.5	195	95	130	250	295
1-13/16"	46.0	190	95	125	250	285
1-7/8"	47.6	180	90	120	240	270
2"	50.8	170	85	115	230	255
2-1/16"	52.4	165	80	110	220	245
2-1/8"	54.0	160	80	105	210	240
2-1/4"	57.2	150	75	100	200	225
2-3/8"	60.3	140	70	95	190	220
2-1/2"	63.5	135	65	90	180	205
2-9/16"	65.1	130	65	85	175	200
2-5/8"	66.7	130	65	85	170	195
2-11/16"	68.3	125	60	80	160	185
2-3/4"	69.9	125	60	80	160	185
2-7/8"	73.0	120	60	80	160	180
3"	76.2	115	55	75	150	170
3-1/8"	79.4	110	55	70	140	165
3-1/4"	82.6	105	50	70	140	155
3-3/8"	85.7	100	50	65	130	150
3-1/2"	88.9	95	45	65	130	145
3-5/8"	92.1	95	45	60	120	140
3-3/4"	95.3	90	45	60	120	135
3-7/8"	98.4	85	40	55	110	130
4"	101.6	85	40	55	110	130
4-1/8"	104.8	80	40	55	110	120
4-1/4"	108.0	80	40	55	110	120
4-3/8"	111.1	75	35	50	100	105
4-1/2"	114.3	75	35	50	100	105
4-5/8"	117.5	75	35	50	100	105
4-3/4"	120.7	70	35	45	90	95
5"	127.0	70	35	45	90	95
5-1/2"	139.7	65	30	40	85	90
6"	152.4	65	30	40	85	90

APPLICATIONS

- Wood
- Nail-embedded Wood
- Non-ferrous Metal
- Plastics and Composites
- Metal
- Stainless Steel
- Drywall/Plaster
- Cement board



SIZE RANGE
9/16" – 1-7/16"



SIZE RANGE
1-1/2" – 6"

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

SNAP-BACK™ ARBORS

FOR SPEED SLOT™ HOLE SAWS*
No Tools. No adaptors. No screwing around.



QUICK CHANGE

Faster and easier to engage/disengage hole saw

PREVENTS THREADS FROM STRIPPING

Drives off pins, not threads

NO TOOLS NEEDED

Prevents hole saw from locking on arbor

NO ADAPTOR REQUIRED

Arbor threads directly into all hole saws

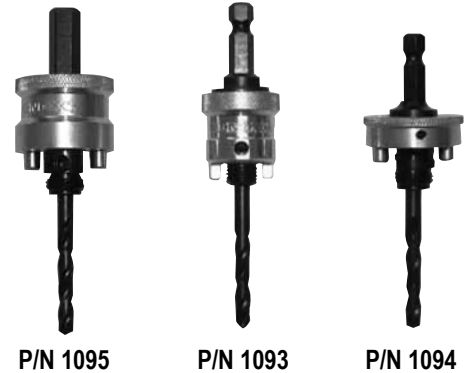
SAFE

No pinch points

FAST

Sleeve does not have to be held back to engage/disengage arbor; no secondary tightening

EASIER PLUG REMOVAL



FITS HOLE SAWS	SIZES		THREAD SIZE	SHANK TYPE	SHANK SIZE		PART
	IN	MM			IN	MM	
51711 – 51751	1-1/4" – 6"	31.8 – 152.4	5/8-18	Hex	1/2" & larger	12.7 & larger	A 1095
51700 – 51710	9/16" – 1-3/16"	14 – 30	1/2-20	Hex	3/8" & larger	9.5 & larger	A 1093
51711 – 51751	1-1/4" – 6"	31.8 – 152.4	5/8-18	Hex	3/8" & larger	9.5 & larger	A 1094

*Snap-Back™ Arbors recommended only for SPEED SLOT™ Hole Saws P/Ns 51700 – 51751.

PILOT DRILLS

FOR SNAP-BACK™ ARBORS
A perfect fit.



ADDED DURABILITY

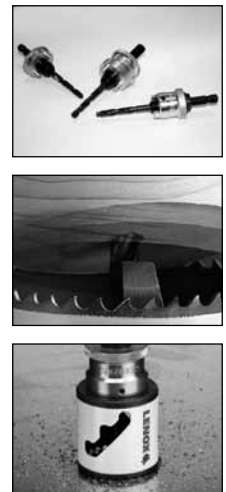
Hardened carbon steel or strength

STARTS ON CONTACT

Split point pilot drill for faster penetration and less walking

FASTER PENETRATION

LESS WALKING



FOR SNAP-BACK™ ARBOR	CHUCK SIZE IN	CHUCK SIZE MM	DIAMETER IN	LENGTH IN	DESCRIPTION	PART
1095	1/4"	6.4	1/4"	4"	Pilot Drill for Snap-Back™ Arbors	A 51754
1093 & 1094	1/4"	6.4	1/4"	3"	Pilot Drill for Snap-Back™ Arbors	A 51753

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

HOLE SAW KITS – GENERAL PURPOSE KITS

5 PIECE KIT - P/N 8886

Bi-Metal Speed Slot™ Hole Saws and Snap-Back™ Arbor with Pilot Drill.

• **Hole Saw Sizes:**

- 2" (P/N 51723)
- 3" (P/N 51734)
- 3-3/8" (P/N 51737)
- 4-1/8" (P/N 51743)

• **Snap-Back™ Arbor:** P/N 1095

• **Case Size:** 10" H x 14" W

• **Case P/N:** 8886C



9 PIECE KIT - P/N 8887

Bi-Metal Speed Slot™ Hole Saws, Snap-Back™ Arbor with Pilot Drill, and Three Pilot Drills.

• **Hole Saw Sizes:**

- 2-1/8" (P/N 51725)
- 2-9/16" (P/N 51729)
- 3-1/4" (P/N 51736)
- 3-3/4" (P/N 51740)
- 4-3/4" (P/N 51748)

• **Snap-Back™ Arbor:** P/N 1095

• **Pilot Drills:** (3) P/N 51754

• **Case Size:** 10" H x 14" W

• **Case P/N:** 8886C



9 PIECE KIT - P/N 8888

Bi-Metal Speed Slot™ Hole Saws and Two Snap-Back™ Arbors with Pilot Drill.

• **Hole Saw Sizes:**

- 7/8" (P/N 51705)
- 1" (P/N 51707)
- 1-1/4" (P/N 51711)
- 1-3/8" (P/N 51714)
- 1-1/2" (P/N 51716)
- 1-3/4" (P/N 51720)
- 2-1/8" (P/N 51725)

• **Snap-Back™ Arbors:** P/N 1093 and P/N 1094

• **Case Size:** 8" H x 11" W

• **Case P/N:** 8888C



Kits are non-stock items, please allow up to 10 days after receipt of order for delivery.

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

HOLE SAW KITS – GENERAL PURPOSE KITS

17 PIECE KIT - P/N 8889



Bi-Metal Speed Slot™ Hole Saws, One Snap-Back™ Arbor with Pilot Drill, One Standard Arbor, and Three Pilot Drills.

- **Hole Saw Sizes:**

- 5/8" (P/N 51701)	- 1-3/8" (P/N 51714)
- 3/4" (P/N 51703)	- 1-1/2" (P/N 51716)
- 7/8" (P/N 51705)	- 1-3/4" (P/N 51720)
- 1" (P/N 51707)	- 2" (P/N 51723)
- 1-1/8" (P/N 51709)	- 2-1/2" (P/N 51728)
- 1-1/4" (P/N 51711)	- 3" (P/N 51734)

- **Snap-Back™ Arbor:** P/N 1095

- **Standard Arbor:** P/N 1091

- **Pilot Drills:** (3) P/N 51754

- **Case Size:** 10" H x 14" W • **Case P/N:** 8889C



26 PIECE "BIG DADDY" KIT - P/N 8890

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, One Standard Arbor, and Two Pilot Drills.

- **Hole Saw Sizes:**

- 3/4" (P/N 51703)	- 2-1/2" (P/N 51728)
- 7/8" (P/N 51705)	- 2-11/16" (P/N 51731)
- 1" (P/N 51707)	- 3" (P/N 51734)
- 1-1/8" (P/N 51709)	- 3-1/4" (P/N 51736)
- 1-3/8" (P/N 51714)	- 3-3/8" (P/N 51737)
- 1-1/2" (P/N 51716)	- 3-5/8" (P/N 51739)
- 1-3/4" (P/N 51720)	- 3-3/4" (P/N 51740)
- 2" (P/N 51723)	- 4-1/8" (P/N 51743)
- 2-1/8" (P/N 51725)	- 4-1/2" (P/N 51746)
- 2-1/4" (P/N 51726)	- 4-3/4" (P/N 51748)

- **Snap-Back™ Arbors:** P/N 1095 and P/N 1093

- **Standard Arbor:** P/N 1091

- **Pilot Drills:** (2) P/N 51754 and (1) P/N 51753

- **Case Size:** 10" H x 14" W • **Case P/N:** 8890C



Kits are non-stock items, please allow up to 10 days after receipt of order for delivery.

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

HOLE SAW KITS – ELECTRICIAN'S KITS

9 PIECE KIT - P/N 8891

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, and One Arbor Adapter.

- **Hole Saw Sizes:**
 - 7/8" (P/N 51705) - 1-3/4" (P/N 51720)
 - 1-1/8" (P/N 51709) - 2" (P/N 51723)
 - 1-3/8" (P/N 51714) - 2-1/2" (P/N 51728)
- **Snap-Back™ Arbors:** P/N 1093 and P/N 1095
- **Arbor Adapter:** P/N 1090
- **Case Size:** 8" H x 11" W • **Case P/N:** 8888C

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10 PIECE KIT - P/N 8892

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, One Pilot Drill and One Arbor Adapter.

- **Hole Saw Sizes:**
 - 7/8" (P/N 51705) - 1-3/4" (P/N 51720)
 - 1-1/8" (P/N 51709) - 2" (P/N 51723)
 - 1-3/8" (P/N 51714) - 2-1/2" (P/N 51728)
- **Snap-Back™ Arbors:** P/N 1093 and P/N 1095
- **Pilot Drill:** P/N 51754
- **Arbor Adapter:** P/N 1090
- **Case Size:** 10" H x 14" W • **Case P/N:** 8892C

17 PIECE KIT - P/N 8893

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, and Three Pilot Drills.

- **Hole Saw Sizes:**
 - 3/4" (P/N 51703) - 2-1/2" (P/N 51728)
 - 7/8" (P/N 51705) - 2-11/16" (P/N 51731)
 - 1-1/8" (P/N 51709) - 3" (P/N 51736)
 - 1-3/8" (P/N 51714) - 3-5/8" (P/N 51737)
 - 1-3/4" (P/N 51720) - 4-1/8" (P/N 51743)
 - 2" (P/N 51723) - 4-3/4" (P/N 51748)
- **Snap-Back™ Arbor:** P/N 1095 and P/N 1093
- **Pilot Drills:** (2) P/N 51754 and (1) P/N 51753
- **Case Size:** 10" H x 14" W • **Case P/N:** 8890C



Kits are non-stock items, please allow up to 10 days after receipt of order for delivery.

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

HOLE SAW KITS – PLUMBER'S KITS

9 PIECE KIT - P/N 8894

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, and One Arbor Adapter.

• **Hole Saw Sizes:**

- | | |
|----------------------|----------------------|
| - 3/4" (P/N 51703) | - 1-3/8" (P/N 51714) |
| - 7/8" (P/N 51705) | - 2" (P/N 51723) |
| - 1-1/8" (P/N 51709) | - 2-1/2" (P/N 51728) |

• **Snap-Back™ Arbors:** P/N 1095 and P/N 1095

• **Arbor Adapter:** P/N 1090

• **Case Size:** 8" H x 11" W • **Case P/N:** 8888C

LENOX 



10 PIECE KIT - P/N 8895

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, One Pilot Drill and One Arbor Adapter.

• **Hole Saw Sizes:**

- | | |
|----------------------|----------------------|
| - 3/4" (P/N 51703) | - 1-1/2" (P/N 51716) |
| - 7/8" (P/N 51705) | - 1-3/4" (P/N 51720) |
| - 1-1/8" (P/N 51709) | - 2-1/4" (P/N 51726) |

• **Snap-Back™ Arbors:** P/N 1093 and P/N 1095

• **Pilot Drill:** P/N 51754

• **Arbor Adapter:** P/N 1090

• **Case Size:** 10" H x 14" W • **Case P/N:** 8892C



17 PIECE KIT - P/N 8896

Bi-Metal Speed Slot™ Hole Saws, Two Snap-Back™ Arbors with Pilot Drill, and Three Pilot Drills.

• **Hole Saw Sizes:**

- | | |
|----------------------|-----------------------|
| - 3/4" (P/N 51703) | - 2-9/16" (P/N 51729) |
| - 7/8" (P/N 51705) | - 3" (P/N 51736) |
| - 1-1/8" (P/N 51709) | - 3-1/2" (P/N 51738) |
| - 1-1/2" (P/N 51716) | - 4" (P/N 51742) |
| - 1-3/4" (P/N 51720) | - 4-1/4" (P/N 51744) |
| - 2-1/4" (P/N 51726) | - 4-1/2" (P/N 51746) |

• **Snap-Back™ Arbor:** P/N 1095 and P/N 1093

• **Pilot Drills:** (2) P/N 51754 and (1) P/N 51753

• **Case Size:** 10" H x 14" W • **Case P/N:** 8890C



Kits are non-stock items, please allow up to 10 days after receipt of order for delivery.

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

HOLE SAW KITS – TRADE KITS

REFRIGERATION KIT 8 PIECES - P/N 8897

Bi-Metal Speed Slot™ Hole Saws and Two Snap-Back™ Arbors with Pilot Drill.

- **Hole Saw Sizes:**
 - 5/8" (P/N 51701)
 - 7/8" (P/N 51705)
 - 1-1/8" (P/N 51709)
 - 1-3/8" (P/N 51714)
 - 1-5/8" (P/N 51718)
 - 2-1/8" (P/N 51725)
- **Snap-Back™ Arbors:** P/N 1093 and P/N 1094
- **Case Size:** 8" H x 11" W
- **Case P/N:** 8888C



LENOX 

WELDER'S KIT 8 PIECES - P/N 8898

Bi-Metal Speed Slot™ Hole Saws, and Two Snap-Back™ Arbors with Pilot Drill.

- **Hole Saw Sizes:**
 - 3/4" (P/N 51703)
 - 7/8" (P/N 51705)
 - 1" (P/N 51707)
 - 1-1/4" (P/N 51711)
 - 1-1/2" (P/N 51716)
 - 2" (P/N 51723)
- **Snap-Back™ Arbors:** P/N 1095 and P/N 1093
- **Case Size:** 8" H x 11" W
- **Case P/N:** 8888C



AUTOMOTIVE KIT 7 PIECES - P/N 8899

Bi-Metal Speed Slot™ Hole Saws, Snap-Back™ Arbor with Pilot Drill and Arbor Adapter.

- **Hole Saw Sizes:**
 - 3/4" (P/N 51703)
 - 7/8" (P/N 51705)
 - 1" (P/N 51707)
 - 1-1/8" (P/N 51709)
 - 1-1/4" (P/N 51711)
- **Snap-Back™ Arbors:** P/N 1093
- **Arbor Adapter:** P/N 1090
- **Case Size:** 4-11/16" H x 7-1/2" W
- **Case P/N:** 8899C



Kits are non-stock items, please allow up to 10 days after receipt of order for delivery.

LENOX™ BI-METAL SPEED SLOT™ HOLE SAWS

HOLE SAW KITS – MINI TRADE KITS

PLUMBER'S MINI KIT 7 PIECES - P/N 8977

LENOX 

Bi-Metal Speed Slot® Hole Saws and Two Snap-Back® Arbors with Pilot Drill.

- **Hole Saw Sizes:**
 - 1-1/4" - 2"
 - 1-3/8" - 2-1/2"
 - 1-1/2"
- **Snap-Back® Arbors:** P/N 1094 and P/N 1095
- **Case Size:** 9" L x 5" W x 3-3/4" H



ELECTRICIAN'S MINI KIT 8 PIECES - P/N 8978

Bi-Metal Speed Slot® Hole Saws and Two Snap-Back® Arbors with Pilot Drill.

- **Hole Saw Sizes:**
 - 7/8" - 1-3/4"
 - 1-1/8" - 2"
 - 1-3/8" - 2-1/2"
- **Snap-Back® Arbors:** P/N 1094 and P/N 1095
- **Case Size:** 9" L x 5" W x 3-3/4" H

CONTRACTOR'S MINI KIT 7 PIECES - P/N 8979

Bi-Metal Speed Slot® Hole Saws and Two Snap-Back® Arbors with Pilot Drill.

- **Hole Saw Sizes:**
 - 7/8" - 1-1/2"
 - 1-1/8" - 2"
 - 1-3/8"
- **Snap-Back® Arbors:** P/N 1094 and P/N 1095
- **Case Size:** 9" L x 5" W x 3-3/4" H



Kits are non-stock items, please allow up to 10 days after receipt of order for delivery.

CIC 200™ SHEET METAL HOLE CUTTERS

MAKE CLEAN, ACCURATE, BURR-FREE HOLES FAST!

FEATURES

Cut clean, accurate, burr-free holes fast! For sheet metal, plate, tube stock and plastic up to 1/2" thick (7/8" to 1-1/2"); up to 1/4" thick (5/16" to 3/4").

Three Kits:

P/N 8903 – 5/16" to 1-1/2"
P/N 8902 – 7/8" to 1-1/2"
P/N 8901 – 5/16" to 3/4"



Tray Assortment:

P/N 17686 – 5/16" to 1-1/2"



- CIC 200™ Sheet Metal Hole Cutters are made from hardened M2 H.S.S. and precision ground to exacting specifications.
- A patented tooth geometry provides smooth cutting action from start to finish. There's no stalling, jagged edges or damage to surrounding material.
- A heavy cutter wall provides sturdiness, easy chip evacuation
- Far superior to twist drills and hole saws. 3x faster, and no comparison in quality.
- Lasts 10x longer than hole saws.

APPLICATIONS

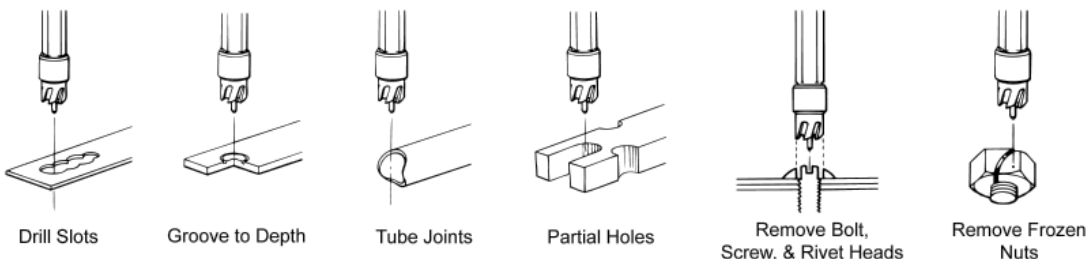
- Electrical Installations
- Pipe and Tubing
- Conduit Work
- Sheet Metal
- Thin Plate Fabrication
- Spotweld Removal
- Maintenance and Repair
- Production Fabrication of Products
- HVAC
- PHCC
- Automotive Fabrication and Repair



KIT COMPONENTS – PART NUMBER / DESCRIPTION

COMPONENT P/N	DESCRIPTION	SMALL KIT, P/N 8901	LARGE KIT, P/N 8902	COMBO KIT, P/N 8903
51800	5/16" Cutter	1		1
51801	3/8" Cutter	1		1
51802	7/16" Cutter	1		1
51803	1/2" Cutter	1		1
51804	9/16" Cutter	1		1
51805	5/8" Cutter	1		1
51806	3/4" Cutter	1		1
51813	7/8" Cutter		1	1
51814	1" Cutter		1	1
51815	1-1/8" Cutter		1	1
51816	1-1/4" Cutter		1	1
51817	1-3/8" Cutter		1	1
51818	1-1/2" Cutter		1	1
51807	Arbor, 5/16" to 3/4"	1		1
51819	Arbor, 7/8" to 1-1/2"		1	1
51808	Pilot Pin (for Arbor 51807)	3		3
51820	Pilot Pin (for Arbor 51819)		2	2
51809	Stop Washer	1		1
51810	Spacer Washer	1		1
51821	Hex Washer		1	1
51812	Center Punch	1	1	1
51811	Hex Key (1/8")	1	Not Included	1
8901C	Empty Case (P/N 8901)	1		
8902C	Empty Case (P/N 8902)		1	
8903C	Empty Case (P/N 8903)			1

DO MORE THAN JUST DRILL HOLES.



Red Lion™ Cutting Wax
P/N 74559 – 2 oz.
For best performance apply to end and inside of cutter.

CIC 200™ SHEET METAL HOLE CUTTERS

MAKE CLEAN, ACCURATE, BURR-FREE HOLES FAST!

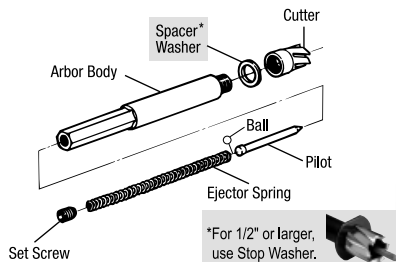
SHEET METAL HOLE CUTTER KIT P/N 8901

Diameters:

5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

Use with:

Hand held drills or drill presses with a 3/8" chuck.



Material	Recommended Speeds (RPM)						
	Cutter Diameter / Part Number						
	5/16" 51800	3/8" 51801	7/16" 51802	1/2" 51803	9/16" 51804	5/8" 51805	3/4" 51806
Tool Steel or Stainless	600	500	450	400	350	300	250
Mild Steel	1200	1000	900	800	700	600	500
Soft Aluminum	9600	8000	7200	6400	5600	4800	4000

For sheet metal, plate, tube stock and plastic up to 1/4" thick.

LARGE DIAMETER HOLE CUTTER KIT P/N 8902

Diameters:

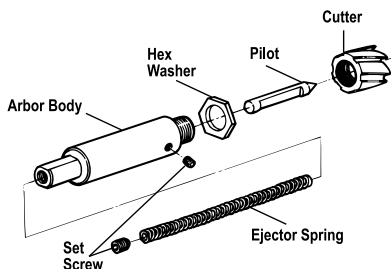
7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2"

Use with:

Hand held drills or drill presses with a 1/2" chuck.

Material	Recommended Speeds (RPM)					
	Cutter Diameter / Part Number					
	7/8" 51813	1" 51814	1-1/8" 51815	1-1/4" 51816	1-3/8" 51817	1-1/2" 51818
Tool Steel or Stainless	220	190	170	150	140	130
Mild Steel	440	380	340	310	280	260
Soft Aluminum	3400	2980	2650	2380	2170	1990

For sheet metal, plate, tube stock and plastic up to 1/2" thick.



HOLE CUTTERS COMBO KIT P/N 8903

Diameters:

5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2"

Use with:

Hand held drills or drill presses with a 3/8" chuck (5/16" to 3/4"), or with 1/2" chuck (7/8" to 1-1/2").

Material	Recommended Speeds (RPM)												
	Cutter Diameter / Part Number												
	5/16" 51800	3/8" 51801	7/16" 51802	1/2" 51803	9/16" 51804	5/8" 51805	3/4" 51806	7/8" 51813	1" 51814	1-1/8" 51815	1-1/4" 51816	1-3/8" 51817	1-1/2" 51818
Tool Steel or Stainless	600	500	450	400	350	300	250	220	190	170	150	140	130
Mild Steel	1200	1000	900	800	700	600	500	440	380	340	310	280	260
Soft Aluminum	9600	8000	7200	6400	5600	4800	4000	3400	2980	2650	2380	2170	1990

For sheet metal, plate, tube stock and plastic up to 1/2" thick (7/8" to 1-1/2"); up to 1/4" thick (5/16" to 3/4").

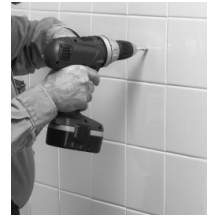
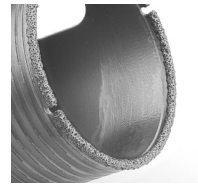


DIAMOND HOLE SAWS

MORE HOLES. LESS TIME.



LENOX



FEATURES

- Long lasting – Continuous, brazed edge lasts longer in tile & stone
- Fast, easy cutting – Low torque, little pressure required
- Easier plug removal – Over-sized slot in hole saw for easy plug removal
- No Arbor Required
- More holes in less time

APPLICATIONS

- Porcelain • Ceramic • Slate • Granite • Marble • Glass • Fiberglass • Travertine • Cement board • Laminates

DIAMETER		PIPE TAP		PIPE ENTRANCE		DESCRIPTION	PART
IN	MM	IN	MM	IN	MM		
3/16"	5	–	–	–	–	Diamond Hole Saw, 3/16"	A 51755
1/4"	6	–	–	–	–	Diamond Hole Saw, 1/4"	A 51756
5/16"	8	–	–	–	–	Diamond Hole Saw, 5/16"	A 51757
3/8"	10	–	–	–	–	Diamond Hole Saw, 3/8"	A 51758
1/2"	13	–	–	–	–	Diamond Hole Saw, 1/2"	A 51759
5/8"	15	–	–	–	–	Diamond Hole Saw, 5/8"	A 51760
3/4"	19	3/4"	19	3/8"	10	Diamond Hole Saw, 3/4"	A 51761
1"	25	–	–	–	–	Diamond Hole Saw, 1"	A 51762
1-3/8"	35	–	–	1"	25	Diamond Hole Saw, 1-3/8"	A 51763

9-PIECE PORTA-PAK

SIZES: 3/16" to 1-3/8"

DIAMOND HOLE SAW PORTA-PAK

P/N 8808

Diamond Hole Saw 3/16" / 5mm P/N 51755	Diamond Hole Saw 1/4" / 6mm P/N 51756	Diamond Hole Saw 5/16" / 8mm P/N 51757	Diamond Hole Saw 3/8" / 10mm P/N 51758	Diamond Hole Saw 1/2" / 13mm P/N 51759	Diamond Hole Saw 5/8" / 15mm P/N 51760
			EXPANSION		
Diamond Hole Saw 3/4" / 19mm P/N 51761	Diamond Hole Saw 1" / 25mm P/N 51762	Diamond Hole Saw 1-3/8" / 35mm P/N 51763			

CHROMATE INDUSTRIAL CORP. • 5250-A NAIMAN PARKWAY, SOLOON, OH 44139 • 1-800-BUY-BOLT • FAX: 631-567-2418 • www.chromate.com

4-PIECE KIT

SIZES: 3/16" to 3/8"

P/N 8823



DESCRIPTION	PART
Diamond Hole Saws / 9-Piece Kit	A 8808

DESCRIPTION	PART
Diamond Hole Saws / 4-Piece Kit	A 8823

DIAMOND HOLE CUTTERS

EXCEPTIONAL PERFORMANCE IN A RANGE OF APPLICATIONS

FEATURES

- Available Sizes: 3/4" to 4"
- Tough diamond grit for long life
- Thin kerf segmented edges for fast, smooth hole-cutting
- Suitable for a wide range of users
- Diamond tipped by vacuum brazing for a permanent bond
- Users will enjoy long tool life and consistent, fast penetration
- A complete range of arbor accessories are available



APPLICATIONS

- Hard Tile
- Fiberglass
- Stone
- Cement Board
- Pipes
- Waste Pipes
- Cabling
- Porcelain
- Wood
- Thick Plastic Tubing
- Thin Plastic
- Plexi
- Granite
- Marble
- Slate
- Iron
- Glass
- Laminate Flooring
- Hardie Board

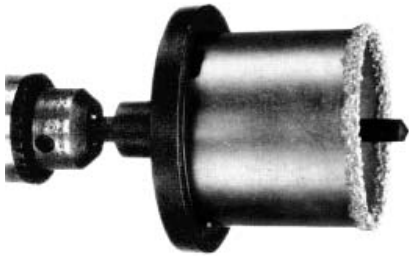


DESCRIPTION	SIZE	PART	
Diamond Hole Cutter	3/4"	A	51770
Diamond Hole Cutter	7/8"	A	51771
Diamond Hole Cutter	1-1/8"	A	51772
Diamond Hole Cutter	1-1/4"	A	51773
Diamond Hole Cutter	1-3/8"	A	51774
Diamond Hole Cutter	1-1/2"	A	51775
Diamond Hole Cutter	1-3/4"	A	51776
Diamond Hole Cutter	2"	A	51777
Diamond Hole Cutter	2-1/4"	A	51778
Diamond Hole Cutter	2-1/2"	A	51779
Diamond Hole Cutter	3"	A	51780
Diamond Hole Cutter	3-1/4"	A	51781
Diamond Hole Cutter	3-11/32"	A	51782
Diamond Hole Cutter	3-1/2"	A	51783
Diamond Hole Cutter	4"	A	51784
Arbor	3/4" to 1-1/8"	A	51785
Arbor	1-1/4" to 4"	A	51786
Pilot Drill	-	A	51787

CIC 200™ TUNGSTEN CARBIDE GRIT HOLE SAWS

CUTS THROUGH THE MOST DIFFICULT MATERIALS

Incredible, multi-purpose hole saw cuts faster and lasts longer than any conventional hole saw. Cuts easily through extremely tough materials other hole saws barely scratch!



INCREDIBLY FAST AND EASY TO USE!

Cuts through ceramic tile, brick, masonry and fiberglass like butter, leaving a perfectly round, smooth hole without chipping or cracking. Provides a professional look when running conduit, pipe, plumbing or electrical fixtures. An invaluable time, money and labor saver!

APPLICATIONS:

- Ceramic tile
- Brick
- Cement
- Masonry
- Abrasive construction material
- Sandstone
- Fiberglass
- Polyamide
- Laminates
- Composition board
- Plastics
- Wood with glue or nails
- Plywood
- Molded fiberboard
- Plaster
- Drywall

- **TUNGSTEN CARBIDE PARTICLES PERMANENTLY BONDED TO STEEL— PROVIDES THE SHARPEST, MOST DURABLE CUTTING SURFACE FOR CUTTING EXTREMELY HARD AND ABRASIVE MATERIALS ORDINARY HOLE SAWS CANNOT CUT**
- **SELF-SHARPENING — WHEN A CARBIDE PARTICLE CHIPS, A NEW SHARPER SURFACE IS CREATED**
- **2-1/2" CUTTING DEPTH — DEEPER THAN ANY OTHER COMPETITIVE PRODUCT**
- **"BAYONET" STYLE MANDREL — ALLOWS QUICK CHANGE OF HOLE SAWS AND SECURELY HOLDS ANY ONE OF FIVE DIFFERENT SIZES**
- **CARBIDE PILOT DRILL — EASILY DRILLS THROUGH VIRTUALLY ANY SURFACE AND FITS ANY VARIABLE SPEED HAND DRILL OR DRILL PRESS**
- **5 SIZES — 1-1/4", 2-1/8", 2-5/8", 2-7/8" AND 3-1/4"**



Not for metal-cutting applications

TUNGSTEN CARBIDE GRIT HOLE SAWS

DIAMETER	PIPE ENTRANCE	PART	DESCRIPTION	PART
1-1/4"	3/4	A 1102	Bayonet Mandrel	A 1100
2-1/8"	1-5/8	A 1104	Tungsten Carbide File	A 15575
2-5/8"	2-1/8	A 1106		
2-7/8"	2-3/8	A 1108		
3-1/4"	2-3/4	A 1110		

TOUGH-GRIT™ TUNGSTEN CARBIDE HOLE SAWS

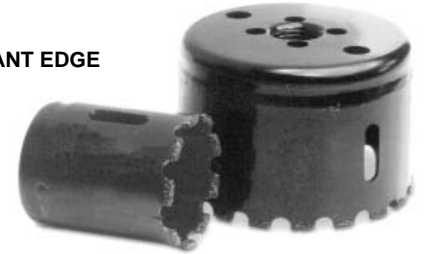
FOR HIGH SHOCK AND HIGH VIBRATION APPLICATIONS

LASTS UP TO 10 TIMES LONGER THAN CONVENTIONAL HOLE SAWS!

- IDEAL FOR CUTTING HARDENED STEEL, CINDER BLOCKS, CERAMIC TILES, MARBLE, CAST IRON PIPE, PATIO TILES, BRICK, FIBERGLASS, HARDWOODS, COMPOSITES, ETC.
- SUPER RESISTANCE TO HEAT, WEAR AND ABRASION WITH SHOCK RESISTANT BACK
- TUNGSTEN CARBIDE GRIT IS BONDED TO ALLOY BACKS WITH A GULLETED, SNAG RESISTANT EDGE
- 1-1/2" CUTTING DEPTH



P/N 8827



13-PIECE TOUGH-GRIT™ TUNGSTEN CARBIDE HOLE SAW KIT

- 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4" and 2-1/2" Hole Saws
- 3/8 Hex Arbor for P/N 51012-51019
- 7/16 Hex Arbor for 51020-51096, 1
- 2" Extension and Molded Storage Case

DIAMETER	PIPE ENTRANCE	PART	DIAMETER	PIPE ENTRANCE	PART	DIAMETER	PIPE ENTRANCE	PART
3/4	3/8	A 51012	2"	1-1/2	A 51032	4"	—	A 51064
13/16	—	A 51013	2-1/16	—	A 51033	4-1/8	3-1/2	A 51066
7/8	1/2	A 51014	2-1/8	—	A 51034	4-1/4	—	A 51068
15/16"	—	A 51015	2-1/4	—	A 51036	4-3/8	—	A 51070
1"	—	A 51016	2-5/16	—	A 51037	4-1/2	4"	A 51072
1-1/16	—	A 51017	2-3/8	—	A 51038	4-3/4	—	A 51076
1-1/8	3/4	A 51018	2-1/2	2"	A 51040	5"	—	A 51080
1-3/16	—	A 51019	2-9/16	—	A 51041	5-1/2	—	A 51088
1-1/4	—	A 51020	2-5/8	—	A 51042	5-3/4	—	A 51092
1-5/16	—	A 51021	2-3/4	—	A 51044	6"	—	A 51096
1-3/8	1"	A 51022	2-7/8	—	A 51046	6-3/8	—	A 51097
1-7/16	—	A 51023	3"	2-1/2	A 51048	6-5/8	—	A 51098
1-1/2	—	A 51024	3-1/8	—	A 51050	6-7/8	—	A 51099
1-9/16	—	A 51025	3-1/4	—	A 51052	3/8 Hex Arbor for P/N 51012-51019		A 51100
1-5/8	—	A 51026	3-3/8	—	A 51054	7/16 Hex Arbor for P/N 51020-51099		A 51101
1-11/16	—	A 51027	3-1/2	—	A 51056	Replacement Drill for 51100		A 51102
1-3/4	1-1/4	A 51028	3-5/8	3"	A 51058	Replacement Drill for 51101		A 51103
1-13/16	—	A 51029	3-3/4	—	A 51060			
1-7/8	—	A 51030	3-7/8	—	A 51062			

NOTE: NUMBERS IN ITALIC ARE NON-STOCK ITEMS. PLEASE ALLOW 2-3 WEEKS FOR DELIVERY.

RAZORQWIK™ CARBIDE TIPPED HOLE CUTTERS

THE ULTIMATE SOLUTION TO DRILLING THICK STEEL

The perfect, portable tool for the professional electrician, plumber, mechanic and general contractor. An extremely productive tool that is a cost effective alternative to bi-metal holesaws.



INCREDIBLY FAST & EASY TO USE!

For cutting pipe, thick steel, steel plate, iron, aluminum, copper, cast iron and stainless steel up to 1" thick. An invaluable time, money and labor saver!



APPLICATIONS

- Junction/Switch Boxes
- Metal Studs
- Electrical Appliances
- Lighting Fixtures
- Auto Body Repair
- Truck/Trailer Frames
- Ductile Pipe
- *Anywhere a standard holesaw just won't cut it!*

- **SPECIAL TUNGSTEN CARBIDE TEETH**
SUPERIOR WEAR AND HEAT RESISTANCE.
CUTS STAINLESS STEEL AND TOUGH ALLOYS



- **ONE-PIECE CONSTRUCTION**
NO ASSEMBLY REQUIRED AND ASSURES
STABLE, ACCURATE DRILLING

- **EJECTOR SPRING AND PILOT DRILL**
(INCLUDED AND ASSEMBLED) –
EJECTS THE SLUG SAVING TIME AND
AGGRAVATION TRYING TO REMOVE SLUGS



- **SAFETY COLLAR STOP**
PREVENTS OVER PENETRATION
FOR SAFER, FASTER OPERATION

RAZORQWIK™ CARBIDE TIPPED HOLE CUTTERS

DIAMETER	STEEL (RPM)	PART	DIAMETER	STEEL (RPM)	PART	DIAMETER	STEEL (RPM)	PART
9/16"	700-1000	A 51109	1-7/16"	300-600	A 51123	2-1/2"	150-300	A 51136
5/8"	700-1000	A 51110	1-1/2"	300-600	A 51124	2-5/8"	150-300	A 51137
11/16"	700-1000	A 51111	1-9/16"	300-600	A 51125	2-3/4"	150-300	A 51138
3/4"	700-1000	A 51112	1-5/8"	200-500	A 51126	3"	150-300	A 51139
13/16"	700-1000	A 51113	1-11/16"	200-500	A 51127	3-1/4"	100-200	A 51140
7/8"	500-800	A 51114	1-3/4"	200-500	A 51128	3-1/2"	100-200	A 51141
15/16"	500-800	A 51115	1-13/16"	200-500	A 51129	3-5/8"	100-200	A 51107
1"	500-800	A 51116	1-7/8"	200-500	A 51130	3-3/4"	100-200	A 51142
1-1/16"	500-800	A 51117	1-15/16"	200-500	A 51131	4"	100-200	A 51143
1-1/8"	500-800	A 51118	2"	200-500	A 51132	4-1/8"	100-200	A 51108
1-3/16"	500-800	A 51119	2-1/8"	200-400	A 51133	4-1/4"	100-200	A 51144
1-1/4"	300-600	A 51120	2-1/4"	200-400	A 51134	4-1/2"	100-200	A 51145
1-5/16"	300-600	A 51121	2-3/8"	150-300	A 51135			
1-3/8"	300-600	A 51122	2-9/16"	150-300	A 51106			

RAZORQWIK™ CARBIDE TIPPED HOLE CUTTER ACCESSORIES

DESCRIPTION	PART
Pilot Drill for Hole Cutters	A 51146
Spring for Carbide Hole Saw	A 51148
Carbide Tipped Pilot Drill	A 51149
Extender – Precision machined tool steel, extends hole cutters by 4" (for 1/2" shank)	A 51104
Extender – Precision machined tool steel, extends hole cutters by 4" (for 3/8" shank)	A 51105

RAZORQWIK™ CARBIDE TIPPED HOLE CUTTERS

RAZORQWIK™ TRADE SETS

The perfect, portable tool for the professional electrician, plumber, mechanic and general contractor. An extremely productive tool that is a cost effective alternative to bi-metal holesaws. For cutting pipe, thick steel, steel plate, iron, aluminum, copper, cast iron and stainless steel up to 1" thick.



MASTER ELECTRICIAN SET P/N 8801

10 piece set contains the following diameters:

- 7/8"
- 1-1/8"
- 1-3/8"
- 1-3/4"
- 2"
- 2-1/2"
- 3"
- 3-5/8"
- 4-1/8"
- 4-1/2"

Packed in a rugged plastic case.



STARTER ELECTRICIAN SET P/N 8802

6 piece set contains the following diameters:

- 7/8"
- 1-1/8"
- 1-3/8"
- 1-3/4"
- 2"
- 2-1/2"

Packed in a rugged plastic case.



PLUMBER SET P/N 8803

6 piece set contains the following diameters:

- 3/4"
- 7/8"
- 1-1/8"
- 1-1/2"
- 1-3/4"
- 2-1/4"

Packed in a rugged plastic case.



MECHANICAL SET P/N 8804

10 piece set contains the following diameters:

- 5/8"
- 3/4"
- 7/8"
- 1"
- 1-1/8"
- 1-1/4"
- 1-3/8"
- 1-1/2"
- 1-3/4"
- 2"

Packed in a rugged plastic case.



DOOR SET P/N 8805

For professional lock installation in steel doors, with a cutting depth of 2", it is perfect for drilling steel door lockset holes.

4 piece set contains the following diameters:

- 7/8"
- 1"
- 1-1/2"
- 2-1/8"

Packed in a rugged plastic case.

RAZORQWIK™ CARBIDE TIPPED HOLE CUTTERS

DOOR LOCK HOLE CUTTERS

For drilling steel door lockset holes. Cuts through steel doors up to 2" thick. Truly an invaluable time, money and labor saver!



RAZORQWIK™ CARBIDE TIPPED DOOR LOCK CUTTERS

DESCRIPTION	DIAMETER	STEEL (RPM)	PART NO.	
Carbide Tipped Door Lock Cutter	1-1/2"		A	51167
Carbide Tipped Door Lock Cutter	2-1/8"		A	51168
Pilot	-	-	A	51169
Screw	-	-	A	51147

RAZORQWIK™ CARBIDE TIPPED HOLE CUTTER KITS



P/N 8839



P/N 8838

	DESCRIPTION	PART	
Standard	4-Piece RazorQwik™ Carbide Tipped Hole Cutter Kit 5/8" (P/N 51110), 3/4" (P/N 51112), 7/8" (P/N 51114) and 1" (P/N 51116) Hole Cutters with 4 Pilot Drills and 4 Ejector Springs Packed in a Steel Case	A	8839
Bolt Sizes	4-Piece RazorQwik™ Carbide Tipped Hole Cutter Kit 11/16" (P/N 51111), 13/16" (P/N 51113), 15/16" (P/N 51115) and 1-1/16" (P/N 51117) Hole Cutters with 4 Pilot Drills and 4 Ejector Springs Packed in a Steel Case	A	8837
Pipe/Conduit	5-Piece RazorQwik™ Carbide Tipped Hole Cutter Kit 7/8" (P/N 51114), 1-1/8" (P/N 51118), 1-3/8" (P/N 51122), 1-3/4" (P/N 51128) and 2" (P/N 51132) Hole Cutters with 5 Pilot Drills and 5 Ejector Springs Packed in a Steel Case	A	8838
	Case Only	A	8838C
	6-Piece RazorQwik™ Carbide Tipped Hole Cutter Kit 5/8" (P/N 51110), 3/4" (P/N 51112), 7/8" (P/N 51114), 1-3/16" (P/N 51119), 1-1/2" (P/N 51124), 2" (P/N 51132) Hole Cutters with 6 Pilot Drills and 6 Ejector Springs Packed in a Rugged Plastic Case	A	8806

RAZORQWIK™ STUBBY CARBIDE TIPPED HOLE CUTTERS

THE ULTIMATE SOLUTION TO DRILLING UP TO 1/8" THICK STEEL

The perfect, portable tool for the professional electrician, plumber, mechanic and general contractor. An extremely productive tool that is a cost effective alternative to bi-metal holesaws.

INCREDIBLY FAST AND EASY TO USE!

For cutting steel plate, stainless steel, sheet metal and tubing up to 1/8" thick. An invaluable time, money and labor saver!



- SPECIAL TUNGSTEN CARBIDE TEETH – SUPERIOR WEAR AND HEAT RESISTANCE. CUTS STAINLESS STEEL AND TOUGH ALLOYS
- ONE-PIECE CONSTRUCTION – NO ASSEMBLY REQUIRED AND ASSURES STABLE, ACCURATE DRILLING
- EJECTOR SPRING AND PILOT DRILL (INCLUDED AND ASSEMBLED) – EJECTS THE SLUG SAVING TIME AND AGGRAVATION TRYING TO REMOVE SLUGS
- SAFETY COLLAR STOP – PREVENTS OVER PENETRATION FOR SAFER, FASTER OPERATION
- 1/4" HEX SHANK – FOR USE IN QUICK-CHANGE ADAPTERS
- FAST, CLEAN CUTS EVERY TIME
- PERFECT FOR USE IN BATTERY POWERED DRILLS BECAUSE THEY CUT QUICKLY WITH LOW POWER



APPLICATIONS:

- Junction/Switch Boxes
- Metal Studs
- Electrical Appliances
- Lighting Fixtures
- Auto Body Repair
- Truck/Trailer Frames
- Ductile Pipe
- *Anywhere a standard holesaw just won't cut it!*

RAZORQWIK™ STUBBY CARBIDE TIPPED HOLE CUTTERS

DIAMETER	STEEL (RPM)	PART	DIAMETER	STEEL (RPM)	PART
5/8"	700-1000	A 51150	1-3/16"	500-800	A 51159
11/16"	700-1000	A 51151	1-1/4"	300-600	A 51160
3/4"	700-1000	A 51152	1-5/16"	300-600	A 51161
13/16"	700-1000	A 51153	1-3/8"	300-600	A 51162
7/8"	500-800	A 51154	Pilot Drill for Stubby Carbide Hole Cutters		A 51163
15/16"	500-800	A 51155	Screw for Stubby Carbide Hole Cutters		A 51164
1"	500-800	A 51156	Spring for Stubby Carbide Hole Cutters		A 51165
1-1/16"	500-800	A 51157	1/4 and 3/8 Quick Change Adapter		A 51166
1-1/8"	500-800	A 51158			

RAZORQWIK™ STUBBY CARBIDE TIPPED HOLE CUTTER KITS

	DESCRIPTION	PART
Standard	6-Piece RazorQwik™ Stubby Carbide Tipped Hole Cutter Kit 5/8" (P/N 51150), 3/4" (P/N 51152), 7/8" (P/N 51154), 1" (P/N 51156), 1-1/8" (P/N 51158) Stubby Hole Cutters, Quick Change Adapter, 5 Pilot Drills and 5 Ejector Springs Packed in a Steel Case	A 8812
Pipe/Conduit	6-Piece RazorQwik™ Stubby Carbide Tipped Hole Cutter Kit (2) 7/8" (P/N 51154), (2) 1-1/8" (P/N 51158), (1) 1-3/8" (P/N 51162) Stubby Hole Cutters, Quick Change Adapter, 5 Pilot Drills and 5 Ejector Springs Packed in a Steel Case	A 8813
	Case Only	A 8812C



Part #8812

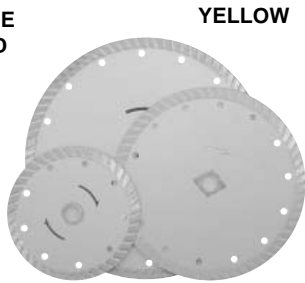
DIAMOND BLADES

THE ULTIMATE IN CIRCULAR SAW BLADES

Turns circular saws into specialty tools. Cuts concrete, block, brick, asphalt and masonry as well as general purpose applications. These diamond blades can be used wet or dry.

NINJA STAR

- THESE BLADES HAVE A UNIQUE COLD PRESSED CASTELLATED RIM WHICH PROVIDES FAST CHIP FREE CUTTING
- CUTS BRICK, BLOCK, CONCRETE, BLUESTONE, FLAGSTONE, GRANITE, ROOF TILE AND OTHER HARD MASONRY MATERIALS

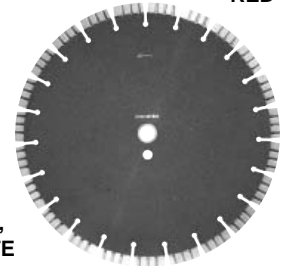


YELLOW

BLADE DIA.	ARBOR	MAX RPM	PART	
4" (100mm)	7/8-5/8	15,000	A	18986
4.5" (115mm)	7/8-5/8	13,300	A	18987
7" (175mm)	DM-5/8	8,730	A	18990
10" (250mm)	7/8-5/8	6,115	A	18993

BOHEMIAN DEVIL

- DESIGNED WITH A DOUBLE SEGMENT HEIGHT FOR LONGER BLADE LIFE
- SAVES TIME WITH LESS BLADE CHANGES
- SEGMENTS ARE LASER WELDED WITH A SUPER SOFT BOND FOR CUTTING
- CUTS CURED CONCRETE, REINFORCED CONCRETE, REBAR, CONCRETE PIPE, RIGID CONCRETE PIPE (RCP) AND REFRACTORY BRICK

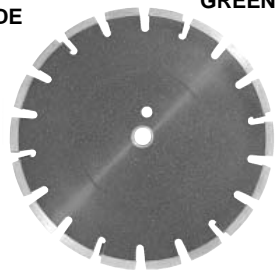


RED

BLADE DIA.	ARBOR	MAX RPM	PART	
12" (300mm)	1"-20mm	6,300	A	18994
14" (350mm)	1"-20mm	5,400	A	18995

GIGANTICO

- DESIGNED TO PROVIDE LONG BLADE LIFE AND FAST CUTS WITH IT'S 15MM JUMBO SEGMENT HEIGHT
- A FUNCTIONAL VALUE AT AN ECONOMICAL PRICE
- MEDIUM BOND BLADE IS PERFECT FOR CUTTING GENERAL PURPOSE MASONRY, BRICK, BLOCK AND CONCRETE

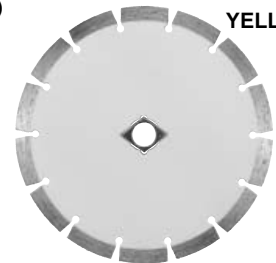


GREEN

BLADE DIA.	ARBOR	MAX RPM	PART	
12" (300mm)	1"-20mm	6,300	A	19014
14" (350mm)	1"-20mm	5,400	A	19015

WILD DEMON

- .395 SEGMENTED HEIGHT (10MM) SUPREME BLADES ARE AMONG THE FINEST ON THE MARKET
- OUTLASTING MOST OF THE COMPETITION BY 30-40%
- HEAT TREATED STEEL CORE PROVIDES EXTREME BLADE STRENGTH FOR DEEP CUTS
- MEDIUM BOND, FOR GENERAL PURPOSE, BRICK, BLOCK AND CONCRETE

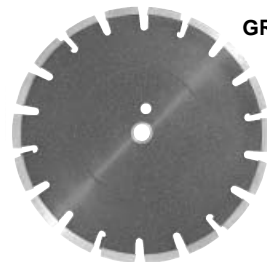


YELLOW

BLADE DIA.	ARBOR	MAX RPM	PART	
4" (100mm)	7/8-5/8	15,000	A	18999
4.5" (115mm)	7/8-5/8	13,300	A	19000
7" (175mm)	DM-5/8	8,730	A	19003
10" (250mm)	7/8-5/8	6,115	A	19006

SLICER

- LASER WELDED SEGMENTED BLADE IS PERFECT FOR LOW HP WALK BEHIND SAWS
- THE UNIQUE FEATURE OF THIS BLADE IS ITS UNDERCUT PROTECTION SYSTEM WITH C3 CARBIDE INSERTS
- CUTS AND CLEARS A CUTTING PATH IN ONE MOTION
- HARD BOND IS PERFECT FOR CUTTING ASPHALT, GREEN CONCRETE AND LIGHTWEIGHT BLOCK



GREEN

BLADE DIA.	ARBOR	MAX RPM	PART	
12" (300mm)	1"-20mm	6,300	A	19019
14" (350mm)	1"-20mm	5,400	A	19020

DIAMOND BLADES (Cont'd.)

PRO-BLADES - PRO 1, PRO 2, PRO 3, PRO 4

The PRO-BLADE is truly the finest quality professional blade in the market. With a 40% diamond concentration and a 10mm (.395) segment height, this blade cuts 30% faster and lasts up to 40% longer. Blade specifications meet or exceed demands of Department of Transportation & Professional Concrete/Asphalt Cutters. These blades are perfect for high horsepower and low RPM walk behind saws. Length of cuts: 6,000 to 18,000 inch feet.

PRO-1 Bond: Soft
Cuts: Cured concrete

PRO-2 Bond: Medium
Cuts: Cured concrete

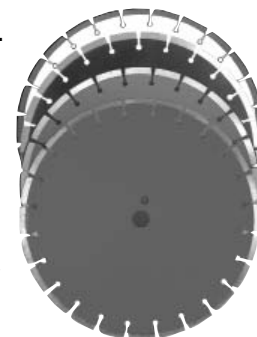
PRO-3 Bond: Hard
Cuts: Asphalt

PRO-4 Bond: Medium
Cuts: Asphalt over concrete

Use wet only (do not run dry).

*Also available in a Super Soft Bond

WHITE
BLUE
GRAY
RED



BLADE DIA.	ARBOR	MODEL	MAX. RPM	PART	
12" x .125	1"	Pro-1	5,095	A	19061
14" x .125	1"	Pro-1	4,365	A	19062
14" x .187	1"	Pro-1	4,365	A	19063
14" x .250	1"	Pro-1	4,365	A	19064
14" x .312	1"	Pro-1	4,365	A	19065
14" x .375	1"	Pro-1	4,365	A	19066
16" x .125	1"	Pro-1	3,280	A	19067
16" x .187	1"	Pro-1	3,280	A	19068
16" x .500	1"	Pro-1	3,280	A	19069
18" x .125	1"	Pro-1	3,395	A	19070
18" x .155	1"	Pro-1	3,395	A	19071
18" x .187	1"	Pro-1	3,395	A	19072
18" x .250	1"	Pro-1	3,395	A	19073
18" x .312	1"	Pro-1	3,395	A	19074
18" x .375	1"	Pro-1	3,395	A	19075
20" x .125	1"	Pro-1	3,055	A	19076
20" x .155	1"	Pro-1	3,055	A	19077
20" x .187	1"	Pro-1	3,055	A	19078
24" x .125	1"	Pro-1	2,550	A	19079
24" x .155	1"	Pro-1	2,550	A	19080
24" x .187	1"	Pro-1	2,550	A	19081
24" x .250	1"	Pro-1	2,550	A	19082
26" x .155	1"	Pro-1	2,350	A	19083
26" x .187	1"	Pro-1	2,350	A	19084
26" x .250	1"	Pro-1	2,350	A	19085
30" x .160	1"	Pro-1	2,040	A	19086
30" x .187	1"	Pro-1	2,040	A	19087
30" x .250	1"	Pro-1	2,040	A	19088
36" x .160	1"	Pro-1	1,700	A	19089
36" x .187	1"	Pro-1	1,700	A	19090
14" x .125	1"	Pro-2	4,365	A	19091
14" x .187	1"	Pro-2	4,365	A	19092
16" x .125	1"	Pro-2	3,280	A	19093
18" x .125	1"	Pro-2	3,395	A	19094
18" x .187	1"	Pro-2	3,395	A	19095
20" x .125	1"	Pro-2	3,055	A	19096
20" x .187	1"	Pro-2	3,055	A	19097
24" x .125	1"	Pro-2	2,550	A	19098
24" x .155	1"	Pro-2	2,550	A	19099
24" x .187	1"	Pro-2	2,550	A	19100

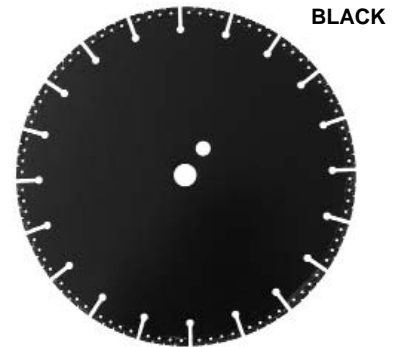
BLADE DIA.	ARBOR	MODEL	MAX. RPM	PART	
26" x .155	1"	Pro-2	2,350	A	19101
26" x .187	1"	Pro-2	2,350	A	19102
30" x .187	1"	Pro-2	2,040	A	19103
36" x .187	1"	Pro-2	1,700	A	19104
12" x .125	1"	Pro-3	2,550	A	19105
14" x .125	1"	Pro-3	2,550	A	19106
14" x .187	1"	Pro-3	5,095	A	19107
14" x .250	1"	Pro-3	4,365	A	19108
14" x .312	1"	Pro-3	4,365	A	19109
14" x .375	1"	Pro-3	4,365	A	19110
14" x .500	1"	Pro-3	4,365	A	19111
16" x .125	1"	Pro-3	3,280	A	19112
16" x .187	1"	Pro-3	3,280	A	19113
16" x .250	1"	Pro-3	3,280	A	19114
16" x .500	1"	Pro-3	3,280	A	19115
18" x .125	1"	Pro-3	3,395	A	19116
18" x .155	1"	Pro-3	3,395	A	19117
18" x .187	1"	Pro-3	3,395	A	19118
18" x .250	1"	Pro-3	3,395	A	19119
18" x .312	1"	Pro-3	3,395	A	19120
18" x .375	1"	Pro-3	3,395	A	19121
20" x .125	1"	Pro-3	3,055	A	19122
20" x .155	1"	Pro-3	3,055	A	19123
20" x .187	1"	Pro-3	3,055	A	19124
24" x .125	1"	Pro-3	2,550	A	19125
24" x .155	1"	Pro-3	2,550	A	19126
24" x .187	1"	Pro-3	2,550	A	19127
24" x .250	1"	Pro-3	2,550	A	19128
26" x .160	1"	Pro-3	2,350	A	19129
26" x .187	1"	Pro-3	2,350	A	19130
30" x .187	1"	Pro-3	2,040	A	19131
36" x .187	1"	Pro-3	1,700	A	19132
14" x .125	1"	Pro-4	4,365	A	19133
16" x .125	1"	Pro-4	3,280	A	19134
18" x .125	1"	Pro-4	3,395	A	19135
18" x .187	1"	Pro-4	3,395	A	19136
24" x .187	1"	Pro-4	2,550	A	19137
26" x .187	1"	Pro-4	2,350	A	19138
30" x .187	1"	Pro-4	2,040	A	19139
36" x .187	1"	Pro-4	1,700	A	19140

DIAMOND BLADES (Cont'd.)

SABERTOOTH

The newly engineered Sabertooth Diamond Blade is designed to power cut through all hard materials with its electroplated diamond grit, like a knife through butter.

- Tensioned Core
- Diamond: MBS 940
- Bond: Hard
- Cuts: Ductile Iron, Cast Iron, Steel, PVC, Reinforced Concrete Pipe and Cured Concrete.
- Use Wet or Dry
- High Speed



BLADE DIA.	THICKNESS	SEG. HEIGHT	ARBOR	MAX RPM		PART
4"	.080	5 mm	7/8"-5/8"	15,000	A	19031
4.5"	.080	5 mm	7/8"-5/8"	13,300	A	19032
7"	.080	5 mm	DM-5/8"	8,730	A	19033
10"	.110	5 mm	7/8"-5/8"	6,115	A	19034
12"	.125	5 mm	1"-20 mm	6,300	A	19035
14"	.125	5 mm	1"-20 mm	5,400	A	19036

HURRICANE 1 - SINGLE ROW CUP WHEELS

Hurricane 1 cup wheels fit most angle grinders and floor grinding machines. They are the perfect tool in construction for concrete surface preparation and tilt wall finishing. Also perfect for fast grinding and rough de-burring. Ideal for the contractor that is concerned with up front costs.



- Bond: Soft
- Cuts: Grinding and de-burring and cleaning concrete, natural stone, artificial stone, and similar materials. For smoothing rough and patched floors, sidewalks, patios, driveways, streets, etc. Can also be used for grinding down bumps and rough joints on ground surfaces and slant walls.
- Use wet or dry
- High Speed

BLADE DIA.	ARBOR	MAX. RPM		PART
4"	5/8-11	15,000	A	19157
7"	5/8-11	8,730	A	19158

HURRICANE 2 - DOUBLE ROW CUP WHEELS

Hurricane 2 cup wheels fit most angle grinders and floor grinding machines. They are the perfect tool in construction for concrete surface preparation and tilt wall finishing. Also perfect for fast grinding and rough de-burring. Ideal for the contractor that is concerned with up front costs.



- Bond: Soft
- Cuts: Grinding and de-burring and cleaning concrete, natural stone, artificial stone, and similar materials. For smoothing rough and patched floors, sidewalks, patios, driveways, streets, etc. Can also be used for grinding down bumps and rough joints on ground surfaces and slant walls.
- Use wet or dry
- High Speed

BLADE DIA.	ARBOR	MAX. RPM		PART
4"	5/8-11	15,000	A	19159
7"	5/8-11	8,730	A	19160

DIAMOND BLADES (Cont'd.)

RESTOR ONE

These 10mm segment height tuck point blades are ideal for the economy minded contractor who has a large restoration project to tackle and needs low up front costs. Also provides superior cutting ability for aggressive and rapid mortar removal with a minimum of equipment strain. These tuck pointer blades perform extremely well for the cost, providing fast speed and good life.



- Bond: Soft
- Cuts: Mortar removal
- Use wet or dry
- High Speed

BLADE DIA.	ARBOR	MAX. RPM	PART
4"	7/8-5/8	15,000	A 19022
4.5"	7/8-5/8	13,300	A 19023

CORE BIT - WET

These PREMIUM GRADE core bits are manufactured to the highest specifications and designed for a multitude of drilling applications. Example: cutting into highways, runways, dams, buildings, bridges, parking garages, walls, floors, culverts, drainage pipes and more. The Premium Plus has a higher concentration of diamonds; faster cuts, longer life.



- Wet cutting



BLADE DIA.	ARBOR	MAX. RPM	PART
2"	1-1/4"-7	—	A 19141
2.25"	1-1/4"-7	—	A 19142
2.5"	1-1/4"-7	—	A 19143
3"	1-1/4"-7	—	A 19144
3.5"	1-1/4"-7	—	A 19145
4"	1-1/4"-7	15,000	A 19146
4.25"	1-1/4"-7	—	A 19147
4.5"	1-1/4"-7	13,300	A 19148
5"	1-1/4"-7	12,000	A 19149
5.5"	1-1/4"-7	—	A 19150
6"	1-1/4"-7	10,150	A 19151
6.5"	1-1/4"-7	—	A 19152
7"	1-1/4"-7	8,730	A 19153
8"	1-1/4"-7	7,640	A 19154
10"	1-1/4"-7	6,115	A 19155
12"	1-1/4"-7	5,095	A 19156

DIAMOND CORE BITS

DIAMOND CORE BITS

- Engineered to bore and drill fast clean holes
- For natural and composite materials
- 1/4" shank
- Perfect for porcelain
- Includes extractor



DIAMETER	PART
1/8"	D 51006
3/16"	D 51007
1/4"	D 51008
5/16"	B 51009
3/8"	B 51010
1/2"	B 51011

DIAMOND CORE BIT ASSORTMENT

- Engineered to bore and drill fast clean holes
- For natural and composite materials
- 1/4" shank
- Perfect for porcelain
- Includes extractor



P/N 8818

OSCILLATING TOOL BLADES

BI-METAL UNIVERSAL BLADE

Features

Bi-metal universal blades are great for plunge and flush cuts in a wide range of materials.

Cuts

- Sheet metal
- Copper pipes
- Aluminum profiles
- PVC
- Wood w/ embedded nails
- Plasterboard
- Nearly all plastics



Each package includes 3 blades.

BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
1-1/3"	Bi-metal	Uni-Fit Mount	Metal & Wood	A 19161

HIGH CARBON STEEL (HCS) STANDARD BLADES

Features

High carbon steel (HCS) standard blades are great for plunge and flush cuts in a wide range of non metallic materials.

Cuts

- Softwood
- Hardwood
- Particle board
- Plywood
- Fiberglass
- Plexiglass
- Nearly all plastics



Each package includes 3 blades.

BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
1-1/3"	HCS	Uni-Fit Mount	Wood & Plastic	A 19162
2-1/3"	HCS	Uni-Fit Mount	Wood & Plastic	A 19163

HIGH CARBON STEEL (HCS) PRECISION JAPAN BLADES

Features

High carbon steel (HCS) precision Japan tooth blades are great for plunge and flush cuts in a wide range of materials. Fastest cutting blade due to the large, sharp teeth.

Cuts

- Drywall
- Hardwood floors
- Molding
- Soft plastics
- Trim
- Laminated materials



Each package includes 3 blades.

BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
1-1/3"	HCS	Uni-Fit Mount	Wood & Plastic	A 19164
2-1/3"	HCS	Uni-Fit Mount	Wood & Plastic	A 19165

ALL OSCILLATING TOOL BLADES FOR USE WITH...

FEIN® MultiMaster® • Bosch® Max Multi-X™ • Dremel® Multi-Max® • Craftsman® NEXTEC® • Skil® Multi-Tasker® • Milwaukee® M12™ • Tools with 3/8" round arbors

OSCILLATING TOOL BLADES

HIGH SPEED STEEL (HSS) CIRCULAR BLADE

Features

High speed steel (HSS) universal blades are great for cutting a wide range of materials.

Cuts

- Sheet metal
- Copper pipes
- Aluminum profiles
- PVC
- Wood w/embedded nails
- Brass
- Bronze
- Nearly all plastics



Each package includes 2 blades.

BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
3-1/8"	HSS	Uni-Fit Mount	Metal & Wood	A 19168

HIGH SPEED STEEL (HSS) RECESSED SEGMENT BLADE

Features

High speed steel (HSS) universal blades are great for cutting a wide range of materials. Recessed design allows flush cutting. Segmented design allows cutting into corners without damaging the adjacent material.

Cuts

- Hardwood
- Softwood
- Sheet metal
- Copper pipes
- Aluminum profiles
- PVC
- Wood w/ embedded nails
- Brass
- Bronze
- Nearly all plastics



BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
3-1/8"	HSS	Uni-Fit Mount	Metal & Wood	A 19166

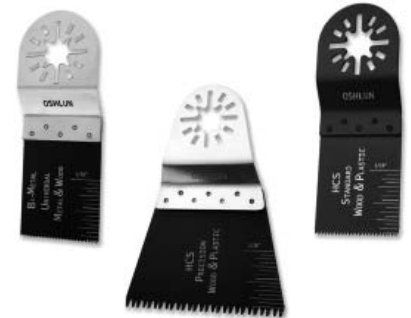
COMBO 3 PACK - HIGH CARBON STEEL (HCS) PRECISION JAPAN BLADES

Includes

- Bi-Metal Universal Blade P/N 19161
- HCS Standard Blade P/N 19162
- HCS Precision Japan Blade P/N 19165

Cuts

- Hardwood
- Softwood
- Sheet metal
- Copper pipes
- Aluminum profiles
- PVC and Soft plastics
- Molding
- Trim
- Wood w/ embedded nails
- Brass and Bronze
- Drywall
- Hardwood floors
- Laminated materials



DESCRIPTION	PART
Combo 3 Pack	A 19170

ALL OSCILLATING TOOL BLADES FOR USE WITH...

FEIN® MultiMaster® • Bosch® Max Multi-X™ • Dremel® Multi-Max® • Craftsman® NEXTEC® • Skil® Multi-Tasker® • Milwaukee® M12™ • Tools with 3/8" round arbors

OSCILLATING TOOL BLADES

CARBIDE RECESSED SEGMENT GROUT BLADE

Features

A recessed design and it allows flush cutting. The segmented design also allows cutting into corners without damaging the adjacent material. Approximately 0.090" thick.

Removes

- Great for removing old grout from tile joints
- Can also be used to remove thin set or mortar and cut grooves in concrete



BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
2-1/2"	Carbide	Uni-Fit Mount	Grout & Thin Set	A 19167

CARBIDE TRIANGULAR RASP

Features

The triangular design allows easy grinding into corners and tight spaces. The recessed design allows flush cutting.

For Grinding

- Concrete
- Stone
- Wood
- Thin set
- Mortar

Removes

- Paint
- Epoxy coatings



BLADE WIDTH	BLADE MATERIAL	ARBOR STYLE	BLADE TYPE/USAGE	PART
3-1/8"	Carbide	Uni-Fit Mount	Grout & Thin Set	A 19169

ALL OSCILLATING TOOL BLADES FOR USE WITH...

FEIN® MultiMaster® • Bosch® Max Multi-X™ • Dremel® Multi-Max® • Craftsman® NEXTEC® • Skil® Multi-Tasker® • Milwaukee® M12™ • Tools with 3/8" round arbors

OSCILLATING TOOL BLADES

M12 CORDLESS LITHIUM-ION MULTI-TOOL KIT



Features

- Tackle awkward applications on any jobsite
- Variable speed dial
- Runs at 5,000 to 20,000 OPM - Allows the user to match the speed to the application
- On-board fuel gauge displays the remaining run-time
- M12™ RED LITHIUM™ battery

Applications

- Flush cuts
- Plunge cuts
- Removing grout
- Grinding thinset
- Sanding
- Scraping

Kit Contents

- 2426 M12™ Cordless LITHIUM-ION Multi-Tool
- Adapter
- Wood Cutting Blade
- Sanding Pad
- (5) Assorted Sanding Sheets
- (2) M12 RED LITHIUM™ Batteries
- Charger
- Contractor Bag

Benefits

- Cordless
- Light weight
- Universal adaptor (included in each kit) allows the M12 Multi-Tool to be compatible with most competitive accessories on the market today

Ideal For

- Maintenance repair technicians
- Remodelers
- Contractors
- Electricians



P/N M2426-22

Specifications

- Voltage: 12V
- Speed Settings: 12
- OPM: 5,000 - 20,000
- Battery: RED LITHIUM™
- Charge Time: 30 Minutes
- Length: 10-7/8"
- Weight: 2.1 lbs



CHROMATE BAND SAW TROUBLESHOOTING

1. PREMATURE AND EXCESSIVE TOOTH WEAR

- Feed pressure too light. Increase it.
- Lower band velocity.
- Insufficient coolant (apply at point of cut, saturate teeth and kerf evenly).
- Improper coolant.
- Improper tooth selection, use a finer pitch.
- Improper break-in with new band. Velocity and feeding should be reduced the first few cuts.
- Teeth are running the wrong direction. Be sure teeth are pointing in proper direction.
- Incorrect insert size for the band, allowing them to strike teeth.

2. BLADE VIBRATION

- Increase or decrease band velocity.
- Increase tension of band.
- Teeth too coarse for workpiece.
- Increase feed pressure.
- Material not securely vised.
- Use a Vari-Pitch tooth blade.

3. TOOTH STRIPPAGE

- Teeth too coarse for workpiece.
- Material not securely vised.
- Improper coolant.
- Insufficient coolant.
- Too much feed pressure — reduce for good chip curl.
- Band velocity too low — increase speed.
- Gullet may be loading up — use higher viscosity lubricant or coolant.

4. FINISHED CUT SURFACE TOO ROUGH

- Improper tooth selection — choose a finer pitch.
- Increase band velocity.
- Decrease feed rate.
- Apply sufficient coolant.

5. PREMATURE BLADE BREAKAGE

- Thickness of blade too heavy for diameter of wheels and speed of machine.
- Increase or decrease velocity.
- Check wheels for defects.
- Teeth too coarse for workpiece — use a finer pitch.
- Decrease blade tension.
- Decrease feeding force.
- Brittle weld — increase annealing period, decreasing heat gradually.
- Check for proper adjustment of band guides, saw guide arms, saw guide inserts and back-up bearings.
- Apply sufficient coolant.

6. BLADE MAKING BELLY-SHAPED CUTS

- Increase tension.
- Adjust guides closer to workpiece.
- Teeth too fine — use a coarser pitch.
- Decrease feed force.

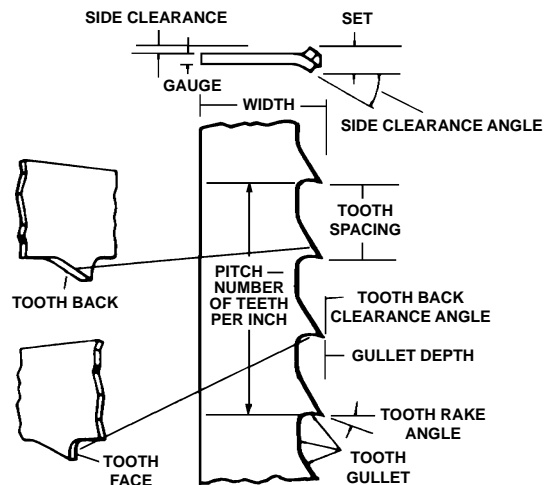
7. GULLET LOADING

- Teeth too fine for workpiece — use a coarser pitch.
- Apply proper coolant or lubricant.
- Decrease band velocity.

8. BAND DEVELOPS A NEGATIVE CAMBER

- Band is riding on saw guide backup bearing too heavily. Adjust band for alignment on top and bottom wheels.
- Check band wheel alignment.

GLOSSARY OF INDUSTRIAL TERMINOLOGY



AGE HARDENING — A process of aging that increases strength and hardness and ordinarily decreases the ductility of metals.

ALLOY — A substance with metallic properties composed of two or more chemical elements, at least one of which is metal.

BLADE TENSION — The resistance a saw blade has to back deflection when subjected to the edge thrust of feed pressure.

BEAM STRENGTH — The resistance a saw blade has to back deflection when subjected to the edge thrust of feed pressure.

CAMBER — An arcing or bending of the back or cutting edge of the saw blade. In positive camber the cutting edge arcs backward; in negative camber the cutting edge arcs forward.

CARBON STEEL — The result of carbon being added to iron in the making of steel.

CHATTER — Rumbling sound in the machine caused by trying to take too heavy a cut. The sound comes from overloading the machine or transmission.

CHIP — A small fragment of material removed by each tooth on the cutting edge.

CHIP CLEARANCE — The gullet area between two teeth.

CHIP WELDING — The fusing of the entire chip to tooth face. It is caused by extreme heating of the tooth and material.

COOLANT — A liquid used to dissipate heat in the saw and workpiece. The term often is used loosely as a synonym for cutting fluid, encompassing the concept of lubricating properties as well as cooling effects.

CUTTING RATE — The speed at which the cross sectional area of the workpiece is cut, expressed in square inches of cutting per minute.

E.T.S. (Every Tooth Set) - Each tooth is alternately set left then right, used generally in woodworking and for non-ferrous metals. Also known as alternate set.

FEED — The pressure exerted by the workpiece against the cutting edge of a saw blade expressed in pounds.

FEED RATE — The linear travel of the workpiece into the blade, usually expressed in inches per minute.

FLEX BACK (Regular metal cutting) — Saw blade with hardened teeth but a relatively soft back.

FRICITION SAWING — A method of sawing ferrous materials. It utilizes the frictional heat generated by high blade velocity and heavy feed pressure to soften the material. Then the saw blade removes the softened material.

GULLET — The space within the curved area between two saw blade teeth.

HARD BACK — A type of high carbon, spring tempered back, saw blade.

HIGH SPEED STEEL — Steel which does not soften even at red heat and, therefore, can be used in saw blades at high speeds and feeds that generate great heat.

HOOK TOOTH — A tooth form consisting of a shallow gullet and widely spaced teeth having a positive rake angle.

KERF — The slot made by a cutting tool in parting materials.

NESTING — Assembling multiple workpieces in a pile, or "nest" in order to saw a large number of parts at one time. Same as stacking, but nesting usually refers to rounds or tubing.

PITCH — The number of teeth per inch in a saw blade.

POINTS — The tips of teeth in a saw blade.

RAKE ANGLE — The angle the tooth face makes with respect to a perpendicular line from the back edge of the blade. It is positive when the tooth angles forward in the direction of the cutting action and negative when it angles backward from the direction of the cutting action.

SET — The bending of teeth in a saw blade to the left and/or right of center. The setting of teeth enables a saw blade to cut straighter, to clear the chips from the kerf, and to allow the back of the band to clear the cut and not bind.

SIDE CLEARANCE — The difference in dimension between the set of the teeth and the back of the blade. It provides space for maneuvering the band in contour cuts, prevents lead when making straight cuts and minimizes transfer of frictional heat to the work.

SKIP TOOTH — A tooth form consisting of a shallow gullet with widely spaced teeth to provide for ample chip clearance.

STANDARD TOOTH (Conventional tooth) — A tooth form consisting of a deep gullet with a smooth radius at the bottom.

STRIPPAGE — When one or more teeth are pulled or break out of a saw.

TWIST — The tendency of a saw blade to spiral after use.

WAVY SET — A saw tooth pattern having one group of teeth set to the right and the next group of teeth set to the left to give the appearance of a wave when viewed from the top of the blade.

WORK HARDNESS — A hard quality developed in metal as a result of cold working, dull band saw teeth, excessive band speed or too light feed pressure.

GENERAL INFORMATION

CHROMATE BAND SAW BLADES

I — HOW TO WRITE THE BAND SAW BLADE ORDER

QUANTITY		STOCK NUMBER	PRICE		PER	EXTENSION		*	DESCRIPTION
ORDER	SHIP								
(A)	110	19664	1	83	FT.	201	30		1/4 x 14/10 Vari-Pitch Carbon Hardback 10 Feet 3 Inches Long INTERNAL NOTE: 10 blades @ 10' 3" long
(B)	10	19600	3	40	E	34	00		Tri-Temp BSB Weld Charge
						235	30		

EXPLANATION:

(A) BSB's Are Billed To The Next Highest Full Foot

10'3" = 11 Feet

Number of Blades: X 10

Total Feet Billed: 110

(B) Number of Cut and Welded Blades Ordered

NOTE: WELD CHARGE P/N FOR
SUPERWELD BLADES
IS 19600

II — BSB ORDER PROCESSING

Band saw blades are custom cut and welded to order. Due to special processing required, allow 2-3 weeks for delivery.

III — TOOTH SELECTION



TOO COARSE



TOO FINE



CORRECT

Fewer than 3 teeth in the work may cause tooth strippage. More than 24 teeth will also lead to tooth strippage and/or gullet clogging. Best results are obtained with 6-12 teeth, achieved by correct combination of tooth pitch and proper vise loading.

Therefore, the general practice is to choose finer teeth per inch on small or thin sections and coarser teeth on large or thicker sections. Also, soft or gummy materials can be best cut by using a coarser tooth. This choice will prevent chips from jamming and clogging the gullets, reducing the efficiency of the blade.

CHROMATE GUIDE TO BAND SAW BLADE SIZES FOR POPULAR MACHINES

Machine	Length	Width	Machine	Length	Width	Machine	Length	Width
Amada V300	7'10 1/2"	5/8"-3/4"	DoAll, Cloth	14'6"	1/2"-1/2"	Forte SBS 801	34'5"	2"
Amada V300	8'6"	5/8"-3/4"	DoAll, MX-20, 36-3	14'6"	1"	Forte SBS 1001	39'3"	2"
Amada V400, V900	11'3"	5/8"-1"	DoAll, Z-36A, ZV3613, ZV3616	14'6"	1/2"	Gibbs-Kennedy	11'6"	3/4"
Amada H250SA	11'8"	1"	DoAll, 36-2	14'6"	3/4"	Greenlee 530	3'8 1/2"	1/2" (.020)
Amada V500	11'8"	5/8"-3"	DoAll, 3612-3(2)	14'6"	1/4"-1"	Greenlee 521, 531	45 3/4"	1/2"
Amada V500	12'11"	5/8"-3"	DoAll, 3613-2(3), 6013-2(2)	14'6"	1/16"-1"	Greenlee 346, 1346	6'9"	5/8"
Amada VM1000	15'0"	1 1/2"	DoAll, 26-1	14'8"	1"	Greenlee 1348	8'0"	5/8"
Amada H450H, H340HD	15'4"	1 1/2"	DoAll, 3613-1, 36-1	14'8"	1/16"-3/4"	Greenlee 348	8'10"	5/8"
Amada WMS00	15'7"	1 1/2"	DoAll, V-26, V-60(2), 2612, 2613-2	14'9"	1/16"-1"	Grob, S-14	7'9"	3/32"-1/2"
Amada H600	25'0"	2"	DoAll, Z-26A, Z-26, 26-2	14'9"	1"	Grob, S-14, OS-20, OS-36, OSN-14, OSN-20	11'6"	1/16"-1/4"
Amada H900HD	27'4"	2"	DoAll, 2612-1, 2612-D	14'9"	1"	Grob, NS-18	12'0"	1/16"-1"
American Saw Mill 12"	6'9"	5/8"-3/4"	DoAll, TF-20	15'0"	1"	Grob, 4V-18	12'6"	5/8"-1"
Atkins #4	14'1"	5/8"-1"	DoAll, 26-3, 2613-3	15'0"	1"	Grob, CO-18	13'6"	3/4"
Atkins #3	15'8"	5/8"-1"	DoAll, 26-5	15'6"	1"	Grob, HS or NS-24, HS-24	14'4"	1/16"-1"
Atlas Workshop 9360	5'10 1/2"	5/8"-1 1/2"	DoAll, 2618-4	17'0"	2"	Grob, 4V-24	14'8"	5/8"-1"
Atlas 912, Atlas Powerking 12"	6'11"	1/4"	DoAll, 2624-5	17'2"	3/4"-1 1/2"	Grob, NS-3	15'0"	1/16"-1/2"
Avey, Milband	14'9"	1"	DoAll, TF-24	17'3"	1"-1 1/4"	Grob, S-24-U	15'9"	5/8"-1"
Bainbridge	5'0"	1/4"-1/2"	DoAll, 2624-5	18'0"	2"	Grob, NS-36	15'10"	1/16"-1"
Bett-Marr 14SM	8'1"	5/8"-1 1/2"	DoAll, Bandmill	18'0"	1"-2"	Grob, 4V-36	16'0"	5/8"-1"
Bett-Marr 24S	9'10"	1/4"-1 1/2"	DoAll, 2626-5	18'4"	2"	Grob, NS-60	20'0"	1/16"-1"
Black & Decker 3120, 3121, 3122, 3123	3'8 3/4"	1/2"	DoAll, Bandmill	18'5"	1"-2"	Grob, 2S-36, 6V-36	21'0"	1/16"-1"
Boice Crane, 12"	6'5 1/2"	3/16"-1/2"	DoAll, Continental, 169, 170, P16A, P16M	19'0"	2"	Grob, OS-20, OSN	140'0"	3/32"-1/4"
Boice Crane 800, 14"	7'6"	3/16"-1/2"	DoAll, Pica Master	19'2"	1/2"	HE&M 9V	9'0"	5/8"-3/4"
Boice Crane 2300, 14"	8'2"	3/16"-3/4"	DoAll, ZS-3620, ZV-3620, ZW-3620	19'6"	1/2"-1"	HE&M No. 500	9'0"	5/8"
Century 30	16'0"	1/4"-1"	DoAll, CO-36, HP-36	19'6"	1/4"-1"	HE&M No. 750	11'0"	3/4"
Clark-Compound	15'6"	1"	DoAll, DZR, DZW, DZ-365	19'6"	1"	HE&M No. 1000	12'10"	1"
Clark, Junior	10'10"	1/2"-3/4"	DoAll, ZW-36, ZS-36, HBW, ZV-36	19'6"	5/8"-1 1/4"	HE&M No. 1200	15'0"	1 1/4"
Connecticut, A-24, S, V, F	13'5"	1/2"-3/4"	DoAll, 36-R, 36-W, HP-36, CO-36	20'0"	1/4"-2"	Heston & Anderson #1	7'2"	1/4"-1/2"
Crescent, Jr., Light 20"	10'10"	1/4"-3/4"	DoAll, V-60(3), ZV-60(3)	21'2"	1/16"-1"	Heston & Anderson #50	7'6"	1/4"-1/2"
Crescent, Jr., Heavy, 20" B20M	11'3"	1/4"-3/4"	DoAll, 3624-X1	21'2"	1/2"	Heston & Anderson #14	8'5"	1/4"-1/2"
Crescent 26"	13'9"	1/4"-1"	DoAll, Z-36	21'3"	1/4"-1"	Houghton	12'6"	5/8"-3/4"
Crescent 32"	16'4"	1/4"-1"	DoAll, 2649-X1	22'0"	1/2"	Ideal 9A	11'1"	3/4"
Crescent 36"	18'6"	1/4"-1"	DoAll, HS-6013, 6013-2(3)	22'3"	1/16"-1"	Jarvis 12"	6'2"	1/4"-1/2"
Crescent, Angle 36"	19'0"	1/2"-1"	DoAll, Z-60, Z-60A, 60-2	22'3"	1/2"	Jarvis 16"	8'6"	1/4"-1/2"
Crescent 33"	20'4"	1/4"-1"	DoAll, CZ-1620	22'4"	1"	Johnson, Amada		
Crescent Angle 40"	21'2"	1/4"-1"	DoAll, 60-3, 6013-3	22'9"	1/2"	CHA 3005	12'0"	1"
Cutron, E	11'10"	3/4"	DoAll, C-24	24'3"	2"	Johnson, Amada VAC-500	13'3"	1/2"
DoAll, J	7'0"	1/16"-1/2"	DoAll, AC-2016	24'3"	1"-2"	Johnson, Amada HA16	15'0"	1 1/4"
DoAll, JD	7'8"	1/16"-1/2"	DoAll, Pan-Arm	26'0"	1"-2"	Johnson, Amada H18H	15'4"	1 1/2"
DoAll, M	9'0"	1/16"-1/2"	Duro, 3026	28'9"	1"	Johnson, Amada H28HD	16'6"	1 1/2"
DoAll, HS, HSV, LHV, SFP, V-16, ML C-16, ML, V-36	10'0"	1/16"-1/2"	Duro, A3027 10"	5'0"	1/2"-1/2"	Johnson, Amada H24	25'0"	2"
DoAll, Z-16A, Z-16, U-16, P-16	10'0"	1/2"	Duro, 3020, 3021, 12"	5'8"	1/2"-3/8"	Jones Superior 8"	4'6"	1/2"
DoAll, 16-3	10'0"	3/4"-1"	Duro, 3022	6'6"	1/2"-3/8"	Jones Superior 12"	6'5 1/2"	1/2"-1/2"
DoAll, 16-2A	10'0"	1"	Duro, D-3022, D-302275	7'11"	1/2"-1/2"	Jones Superior 15"	9'3"	1/2"
DoAll, 16-2	10'0"	3/4"	Emerson 10-1455, 10-1451	8'8"	—	Jones Superior 20"	11'4"	1/2"-3/4"
DoAll, HS-3, HSV-3, LSV-3, SFP-3, 1612-U	10'2"	1/16"-1/2"	Emerson 10-1700, 10-1701	9'3"	5/8"-3/4"	Jones Superior 30"	16'0"	3/4"
DoAll, 16-3M	10'2"	1/2"	Ensley 721, 722	8'11"	5/8"	Jones Superior (Old)	18'0"	1"
DoAll 16" Cloth	10'2"	1/4"-7/16"	Excel	5'6"	1/2"	Jones Superior 36" (New)	19'0"	1"
DoAll, 1612-0	10'3"	1/16"-1/2"	Famco #612	5'0"	1/2"	Kalamazoo, 610, 7A, M7A, C7A	7'5"	1/2"-3/8"
DoAll, 3613-2(2)	10'3"	1/16"-1"	Fay & Egan 24"	8'10"	5/8"	Kalamazoo, Startrite 30T (2 and 3 wheels), 14P, 30R	9'4"-12'3"	1/16"-3/4"
DoAll, 16-1, 1612-X1	10'4"	1/2"	Fay & Egan 155-30	13'9"	—	Kalamazoo, Startrite 18T, 18V	9'6"	1/16"-5/8"
DoAll, 1612-1	10'4"	1/16"-3/4"	Fay & Egan 30"	15'3"	1 1/2"	Kalamazoo, Startrite 214	9'7"	5/8"
DoAll, 3612-3(2)	10'5"	1/4"-1"	Fay & Egan 345-36, 346-36, 60-36	17'3"	1 1/2"	Kalamazoo, Startrite 314	9'7"-11'7"	5/8"
DoAll, 1612-3	10'6"	1/4"-1"	Fay & Egan 950-36	18'4"	—	Kalamazoo, Standard 816	10'5"	3/4"
DoAll, 1613-2	10'6"	1/16"-1"	Fay & Egan 58-42	20'6"	2"	Kalamazoo, Startrite 24T, 24V	10'6"	1/16"-5/8"
DoAll, MS-15	10'6"	1/2"-3/8"	Fay & Egan 459-42	21'8"	—	Kalamazoo, Startrite 20T, 20R	10'6"	1/16"-3/8"
DoAll, C-4	10'11"	3/4"	Forte, Piccolo	23'2"	—	Kalamazoo, 8C, 9A	10'10"	1/16"-3/4"
DoAll, C-5a, C-10	11'0"	3/4"	Forte, Mod 160	4'0"	1/2" (.020)	Kalamazoo, H-9A	10'10 1/2"	3/4"
DoAll, C-12	11'0"	1"	Forte, Mod 250, 300, BA-251, SBA-240	9'0"	3/4"	Kalamazoo, Startrite 216	11'8"	1/16"-1"
DoAll, MD	11'6"	1/16"-1/2"	Forte, Uniforte 400	12'0"	1"	Kalamazoo, Startrite 316H	11'8"	1/16"-1"
DoAll, C-41 through C-80	12'0"	1"	Forte 400	14'3"	1"	Kalamazoo, H-10, H-10A	12'3"	1/16"-5/8"
DoAll, TF14	13'3"	1"	Forte SBA400, SBS400, SBA500	16'0"	1"	Kalamazoo, H-12B, through Ser. #449	12'6"	1"
DoAll, HS-30, HSV-30, LSV-30, SFP-30	13'3"	1/16"-1/2"	Forte SBA 401	17'9"	—	Kalamazoo, H-12B, Ser. #450 and later	13'10 3/4"	1"
DoAll, C-7, C-8, C-9	13'4"	1"	Forte SBS 601	20'4"	1 1/2"		16'2"	1 1/4"
DoAll, 30-M, 3012V	13'4"	1/2"		24'3"	2"		14'0"	1"
DoAll, MP-20	13'6"	1/16"-1"						
DoAll, V-36(3)	13'6"	1/16"-1/2"						
DoAll, CCS	13'10"	1/4"-1/2"						
DoAll, C-6	14'0"	1"						
DoAll, 36" Cloth	14'4"	1/4"-7/16"						

CHROMATE GUIDE TO BAND SAW BLADE SIZES FOR POPULAR MACHINES

Machine	Length	Width	Machine	Length	Width	Machine	Length	Width
Kalamazoo, 1220, 13A	13'11"	1"	Peerless, 300-MH, 3000-MS	17'4"	5/8"-1"	Tannewitz, 36", G3	19'6"	2"
Kalamazoo, H-13A	14'0"	1"-1 1/4"	Peerless, 3600-MS(3)	17'6"	5/8"-1"	Tannewitz, 36", GH, GHE, G-1, G1E, GV1	19'9"	5/8"-2"
Kalamazoo, 14-A	15'6"	1 1/4"-1 1/2"	Peerless, 4800-MH(3)	18'2"	5/8"-1"	Tannewitz, GHN, GH, NE, G1, G-1-NE	20'4"	5/8"-2"
Keller, B-11	7'10"	1/2"	Peerless, 4800-MS(3)	19'8"	5/8"-1"	Tannewitz, RV	20'10"	5/8"-2"
Klemm #1	11'2"	3/4"-5/8"	Peerless, 6000-MS(3)	22'8"	5/8"-1"	Tannewitz, 42", R1, R1E, RU1, R3, RH, RF1E, RHE	22'0"	5/8"-2"
Klemm #2	15'8"	3/4"	Peerless, 6000-MH(3)	22'8"	5/8"-1"	Tannewitz, 60MS(3)	22'3"	1/8"-1"
Kolle, K-16	11'0"	—	Pehaka, SF-4	9'10"	5/8"-3/4"	Tannewitz, 60MH(3)	22'8"	5/8"-1"
Kysor Johnson, B, M, MB-1	7'5"	1/2"	Pehaka, USF-4R(2), ESM-4	9'10"	5/8"-1/2"	Tannewitz, 6000MH	25'2"	5/8"-1 1/4"
Kysor Johnson, R, MR-1	7'9"	5/8"	Pehaka, USF-10(2)	11'0"	5/8"-3/4"	Tannewitz, S-1-E	25'0"	5/8"-2"
Kysor Johnson, V-14	8'2"	3/16"-3/4"	Pehaka, HSE-260	12'2"	1"	Tannewitz, SV-1-NE	26'6"	5/8"-2"
Kysor Johnson, J	11'5"	3/4"	Pehaka, 200, 250, 600	12'2"	1"	Tannewitz, SVTNE, S-52	27'3"	5/8"-1 1/4"
Kysor Johnson, JH	11'5"	1"	Pehaka, HS-340	15'11 1/2"	1"-1 1/4"	Temac, S53B	6'9"	3/8"-1/2"
Kysor Johnson, HS, HSA, A12, M12	11'6"	1"	Pehaka, USF-10(3)	15'9"	5/8"-3/4"	Temac, MODM	8'0"	3/8"-1/2"
Kysor Johnson, V-36(2)	11'6"	5/8"-1"	Pehaka, USF6-3	15'9"	1"-1 1/4"	Thompson, H.G., Milbrand A59, A60	15'0"	1"
Kysor Johnson, V-16	11'6"	5/8"-1"	Pehaka, HS-400	17'3 1/4"	1 1/4"	Thompson	15'8"	5/8"-3/4"
Kysor Johnson, H, HA-300	12'0"	1"	Powerking 8"	5'6"	1/4"-1/2"	Walker-Turner, 10"	5'2"	5/8"-1/2"
Kysor Johnson, V-20	12'8"	5/8"-1"	Powerking, 12"	6'5 1/2"	1/4"-1/2"	Walker-Turner, 12"	6'6"	3/16"-1/2"
Kysor Johnson, H, HA-16	15'0"	1 1/4"	Powermatic, 141, 143	7'11"	1/4"-3/4"	Walker-Turner, 14"	8'3 1/2"	3/16"-3/4"
Kysor Johnson, V-36(3)	15'4"	5/8"-1"	Powermatic, 140	8'3 1/2"	1/4"-3/4"	Walker-Turner, 16"	9'3 1/2"	1/2"
Kysor Johnson, H-24	23'4"	1 1/4"	Powermatic, 181	12'6"	1/4"-1"	Walker-Turner, 16"	1105MBN	9'6 3/4"
Laidlaw, JM-20, SM-20	11'0"	3/16"-3/8"	Powermatic, 81, 87, 89	12'7"	1/16"-1"	Walker-Turner, 20"	11'9"	1"
Laidlaw, CM, CMT	15'8"	1"	Powermatic, 2	13'3"	5/8"-1"	Wallace, 14"	7'7"	1/4"-1/2"
Laidlaw, JM-30, SM-30	16'0"-17'6"	3/4"-1 1/4"	Powermatic, 5, 8	15'1"	1/4"-1"	Wallace, 16"	9'0"	1/4"-3/4"
Laidlaw, SMT-30	16'0"	5/8"-5/8"	Powermatic, 6	15'6"	5/8"-1"	Wells, 49, 300, 49A, Junior	5'0"	1/2"
Lenox Mobil Mitre	7'5"	1/2"	Racine, #12, 13, 14	7'8"	5/8"-3/8"	Wells, 72	5'9"	1/2"
Lynn Sprunger, BS-45	5'4 1/2"	1/2"	Rekord, SSF 350	9'8"	1/2"	Wells, 58B	7'9"	1/2"
Marvel, 610	8'10"	5/8"	Rekord, SSF 420	10'10"	5/8"	Wells, No. 5	8'2 1/2"	5/8"
Marvel, #81, #81A	14'6"	1"-1 1/4"	Rekord, SSF 500	12'8"	3/4"	Wells, 600	8'2 1/2"	5/8"
Marvel, #81A high column	15'6"	1"-1 1/4"	Rigid	3'8 1/2"	1/2" (.020)	Wells, 9	9'5"	1/2"
Marvel, #8	14'8"	3/4"	Rigid, 945	5'4 1/2"	1/2"	Wells, 8, 7A, 7B, 875	11'6"	3/4"
Marvel, #8 high column	15'8"	3/4"	Rigid, 970	8'11"	3/4"	Wells, 1000, 800, 850, 1075	11'6"	1"
Marvel, 15, 15A	15'6"	1"-1 1/4"	Rockwell, Porta-Band 725, 726, 524	3'8 1/2"	1/2" (.020)	Wells, 54G	12'10"	1"
Marvel, 25A	18'10"	1 1/4"-1 1/2"	Rockwell, Porta-Band 9728	5'5 1/4"	1/2"	Wells, 1200, 1270	13'6"	1"
Milband	12'11"	3/4"	Rockwell, 14"	7'9 1/2"	5/8"-3/4"	Wells, 12	13'7"	1"
Milclark	10'10"	1/2"-5/8"	Rockwell, 7V	7'11 1/2"	1/2"	Wells, 54W	15'10"	1"-1 1/4"
Moak, 20"	11'1"	1/4"-3/4"	Rockwell, 6W	8'11"	3/4"	Wells, 14	15'4"	1 1/4"
Moak, 26"	14'1"	1/4"-1"	Rockwell, 7 and 7A	11'0"	1"	Wells, 20	16'0"	1"
Moak, 32"	16'10"	5/4"-1"	Rockwell, 10, 10A, 12A	12'6"	1"	Wells, 12-20G, 48"	21'0"	1 1/4"
Moak, 36"	19'5"	1/4"-1"	Rockwell, 20"	12'6"	1/2"-1"	Wells, 1224H	21'8"	1 1/4"-1 1/2"
Monarch, 72B, 20"	11'6"	1/4"-3/4"	Rockwell, 9" x 16"	12'10"	5/4"-3/4"	Wells, 1220G, 60"	23'8"	1 1/4"
Monarch, 61	14'0"	1/4"-1"	Roll-In, All Purpose	9'0"	1/4"-3/4"	Wells, 1220G, 72"	31'3"	1 1/4"
Monarch, X25, 30"	16'8"	1/4"-1"	Roll-In, Journeyman	12'6"	1/2"-1"	Wells, 2400	33'0"	1"
Monarch, 38	18'6"	1/4"-1"	Sears Roebuck, 2428	6'8"	1/2"-1/2"	Wells, 2400	35'11"	1 1/2"
Monarch, X40, 36"	21'1"	1/4"-1"	Sears Roebuck, 2377	11'0"	1/2"-3/4"	W. F. Wells & Sons, A7, A, A6	7'10"	1/2"
Montgomery Ward	8'2"	1/4"-1/2"	Shopmaster	5'4 1/2"	1/2"	W. F. Wells & Sons, W, L9, L, M, W9, H	11'6"	3/4"
Napier, B	12'3"	1"	Stockbridge, 6"	12'5 1/2"	5/8"-3/4"	W. F. Wells & Sons, 0-050	13'2"	1"
Napier, Jr.	8'4"	3/4"	Stockbridge, 9"	13'0"	5/8"-3/4"	W. F. Wells & Sons, F14, F, D	14'5"	1"
Northfield, 20"	11'8"	1/4"-1"	Stockbridge, 12"	15'5 1/2"	3/4"	W. F. Wells & Sons, 014, F15, D	14'5"	1"
Northfield, 27"	14'7"	1/4"-1"	Summit 250A	11'8"	1"	W. F. Wells & Sons, J24	16'9"	1"
Northfield, 32"	16'6"	1/4"-1"	Summit 350	15'1"	1"	W. F. Wells & Sons, VC025	17'2"	1"-1 1/4"
Northfield, 36"	19'2"	1/4"-1"	Summit 500S	17'8 1/2"	1 1/4"	W. F. Wells & Sons, B25	19'8"	1 1/4"
Oliver, 192 18"	9'8"	5/8"-1/2"	Superior 8"	4'6"	1/2"-1/2"	W. F. Wells & Sons, X60	20'10"	1 1/4"
Oliver, 18, 117	15'9"	1/4"-1/2"	Superior 12"	6'5 1/2"	5/8"-1/2"	W. F. Wells & Sons, QJ-24	21'0"	1 1/4"
Oliver, 217	16'0"	5/8"-1 1/4"	Superior 20"	11'4"	1/4"-3/4"	W. F. Wells & Sons, S-30	22'6"	1 1/4"
Oliver, 16, 35	19'0"	1/4"-1 1/2"	Superior 30"	16'0"	1/2"-1"	W. F. Wells & Sons, S-40	26'11"	1 1/4"
Oliver, 116	19'6"	1/4"-1 1/2"	Superior 36"	19'6"	1/2"-1"	W. F. Wells & Sons, S-40	27'9"	1 1/4"
Oliver, 416	19'6"	1/4"-1 1/2"	Tannewitz, EV24	13'6"	5/8"-1 1/4"	W. F. Wells & Sons, T6940	31'0"	1 1/4"
Oliver, 15, 115, 115-RD	20'0"	1/4"-2"	Tannewitz, E24	13'7"	5/8"-1 1/4"	Williamson, #2	20'9"	1"
Oliver, 316-48	38'0"	1 1/2"	Tannewitz, 24MH, M, MS	14'6"	5/8"-1"	Williamson, #3	24'6"	1"
Oliver, 318-80	49'0"	2"	Tannewitz, 36MH(2), 48MH(2), 60MH(2)	14'10"	5/8"-1"	Wright, P, 1, 2, 3	15'8"	5/8"-3/4"
Olson Mfg. Co. 0-100	8'10"	5/8"	84MH, 84MS	16'10 1/2"	1/16"-1/2"	Wright, 4	19'0"	5/8"-3/4"
Oster, 711	—	—	Tannewitz, 36M	17'0"	5/8"-1 1/4"	Yates American, W14	7'9 1/2"	1/2"-1/2"
Parks, Dry Ice	7'7"	1/2"	Tannewitz, 30", P1, P1E, P3, PH, PHE, P-130	17'0"	5/8"-1 1/4"	Yates American, W16	9'4"	1/4"-1/2"
Parks, #2, M-2	11'0"	1/4"-1/4"	Tannewitz, 36MH(3), MS(3)	17'2"	5/8"-1"	Yates American, 20"	11'10"	1/4"-3/4"
Peerless, 1216-M, 1216-MH, 2216	12'0"	1"	Tannewitz, PV-1-ME, P-1-NE	17'6"	5/8"-1 1/4"	Yates American, 30"	17'2"	1/4"-1"
Peerless, 1200, 1200-M, 1214, 1216, 1400	12'0"	1"	Tannewitz, 30MH, M, MS	17'10"	5/8"-1"	Yates American, 36"	20'0"	1/2"-1"
Peerless, 1200-A, 1200MA, 1218MHA	12'4"	1"	Tannewitz, 48M, 48MH(3), 48MS(3), 60M	18'2"	1/16"-1/2"	Yates American, 42"	22'8"	1/2"-1"
Peerless, 2400-MH	14'6"	5/8"-1"						
Peerless, 2400MS, 6000M(2)	14'10"	5/8"-1"						
Peerless, 3600M(2), 4800M(2)	17'2"	5/8"-1"						
Peerless, 3600-MH(3)								

SAW BLADES

CROSS REFERENCE CHART

1/2" SHANK RECIPROCATING BLADES

PART	INDUSTRY TYPE	PART	INDUSTRY TYPE
19404	1-418/14 (39484)	19422	1-432 (40432)
19405	1-618/14 (39684)	19426	3-218 (42018)
19410	1-610 (40610)	19427	3-224 (42024)
19411	1-810 (40810)	19431	4-314 (43114)
19412	1-214 (40314)	19442	6-607 (44007)
19413	1-414 (40414)	19447	7-606 (46606)
19414	1-614 (40614)	19449	7-610 (46610)
19415	1-218 (40318)	19452	7-618 (46618)
19416	1-418 (40418)	19456	8-612/8 (47628)
19417	1-618 (40618)	19468	9-603 (49603)
19419	1-424 (40424)	19477	12-608 (52060)
19420	1-624 (40624)		

1/4" SHANK SABRE SAW BLADES

PART	INDUSTRY TYPE	PART	INDUSTRY TYPE
19481	RM 50 (28050)	19487	RM 61 (28057)
19482	RM 51 (28051)	19491	RW 20 (29020)
19483	RM 52 (28052)	19492	RW 21 (29021)
19484	RM 53 (28053)	19498	RW 31 (30031)
19485	RM 54 (28054)	19499	RW 32 (30032)

SAW BLADES (Cont'd.)

REPLACEMENT CHART

1/2" SHANK RECIPROCATING SAW BLADES

CIC	AMERICAN LENOX	BLACK & DECKER	BOSCH	CAPEWELL	MALCO	MILWAUKEE SAWZALL 48-00-	PORTER- CABLE ROCKWELL	SKIL	WESTLUND FIT-AL
19410	610R		S918H	70640			12415	71041	HDM310
19411	810R					2175		71042	HDM410
19412		40111			2-MC14	1171			HDM114
19413	414R	40112		70620	3-MC14	1172	12447	71043	FR214
19414	614R	40113	S918B	70650	4-MC14	1179	12421	71044	FR314
19415		40114			2-MC18	1173			HDM118
19416	418R	40115	S518E	70630	3-MC18	1174	12418	71045	FR218
19417	618R	40116	S918EF	70660	4-MC18	1184	12427	71046	FR318
19419	424R	40117		77170	3-MC24	1176	12424	71047	HDM224
19420	624R	40125	S918A	70670	4-MC24	2171	12433		HDM324
19422		40118	S518G	77160	3-MC32	1178	12430	71048	HDM232
19426	318RC	40119		77140	2-MS18	1102	12436	71053	MC218
19427		40120		77150	2-MS24	1103	12439	71055	MC224
19431	314RC				2-HS14	1162	12445	71052	HDMC214
19442	656R	40098	S644D	77000	3-S6	1031	12400	71061	WC608
19447		40100	S744D	77410	4-HD6	1012	12408	71066	W406
19449		40103		77420	3-HD8	1014	12411	71069	TB410
19452		40106		77430	4-18	1066	12414		
19456			S811H			1014			
19468		40107			6-T3	1002		71056	
19477	636RP	40127	S828D	77520	4-P6	1052	12469	71076	P405

1/4" SHANK SABRE SAW BLADES

CIC	AMERICAN LENOX	BLACK & DECKER	BOSCH	CAPEWELL	MALCO	MILWAUKEE SAWZALL 48-42-	PORTER- CABLE ROCKWELL	SKIL	WESTLUND FIT-AL
19481	380J								
19482	314J	49490	83506	80010	814	0100	12516		J8
19483	318J	31020	83534		818	0120	12517		J9
19484	354J	31021	83535	80020	824	0140	12518	24086	J10
19485	324J	49491	83507	80030	832		12519	24087	J11
19487	340JV					0101	12515	24085	
19488									
19491		49504		80060		0200	12501		
19492		49505		80070		0220	12502		J4
19498		39754		80110	510	0600	12508	22645	J6
19499		54370	83533			0640	12512		

WARNING!

FAILURE TO OBSERVE PRECAUTIONS CAN CAUSE SERIOUS INJURY

Important Hole Saw Safety Information. All operators must read and understand safety information thoroughly and completely before using hole saws.

RECOMMENDED OPERATING SPEEDS FOR BI-METAL SAWS

Size Inches	Size MM	Mild Steels	Tool and Stainless Steels	Cast Iron	Brass	Aluminum	Wood
9/16	14	580	300	400	790	900	1500
5/8	16	550	275	365	730	825	1500
11/16	17	500	250	330	665	750	1500
3/4	19	460	230	300	600	690	1500
25/32	20	480	240	315	632	660	1500
13/16	21	425	210	280	560	635	1500
7/8	22	390	195	260	520	585	1500
15/16	24	370	185	245	495	555	1500
1	25	350	175	235	470	525	1350
1-1/16	27	325	160	215	435	480	1350
1-1/8	29	300	150	200	400	450	1350
1-3/16	30	285	145	190	380	425	1200
1-1/4	32	275	140	180	360	410	1200
1-5/16	33	260	135	175	345	390	1200
1-3/8	35	250	125	165	330	375	1200
1-7/16	37	240	120	160	315	360	1200
1-1/2	38	230	115	150	300	345	1200
1-9/16	40	220	110	145	290	330	1050
1-5/8	41	210	105	140	280	315	1050
1-11/16	43	205	100	135	270	305	1050
1-3/4	44	195	95	130	260	295	1050
1-13/16	46	190	95	125	250	285	1050
1-7/8	48	180	90	120	240	270	1050
2	50	170	85	115	230	255	1000
2-1/16	52	165	80	110	220	245	1000
2-1/8	54	160	80	105	210	240	1000
2-1/4	57	150	75	100	200	225	1000
2-5/16	59	145	75	100	195	225	1000
2-3/8	60	140	70	95	190	220	1000
2-7/16	62	135	70	95	185	215	900
2-1/2	64	135	65	90	180	205	900
2-9/16	65	130	65	85	175	200	900
2-5/8	67	130	65	85	170	195	900
2-11/16	68	125	60	82	165	190	900
2-3/4	70	125	60	80	160	185	750
2-7/8	73	120	60	80	160	180	750
3	76	115	55	75	150	170	750
3-1/8	79	110	55	70	140	165	600
3-1/4	83	105	50	70	140	155	600
3-3/8	86	100	50	65	130	150	600
3-1/2	89	95	45	65	130	145	600
3-5/8	92	95	45	60	120	140	600
3-3/4	95	90	45	60	120	135	500
3-7/8	99	90	45	60	120	135	500
4	102	85	40	55	110	130	450
4-1/8	105	80	40	55	110	120	450
4-1/4	108	80	40	55	110	120	450
4-3/8	111	80	40	50	100	120	450
4-1/2	114	75	35	50	100	105	400
4-3/4	121	70	35	45	95	95	400
5	127	65	30	45	90	90	400
5-1/2	140	60	25	40	85	85	400
6	152	55	25	35	75	80	400

PIPE TAP AND PIPE ENTRANCE SIZES

HOLE SAW DIAMETER	USE FOR PIPE TAP SIZE	USE FOR PIPE ENTRANCE SIZE
9/16"	3/8"	1/4"
3/4"	1/2"	3/8"
7/8"	3/4"	1/2"
1-1/8"	1"	3/4"
1-3/8"	-	1"
1-1/2"	1-1/4"	-
1-3/4"	1-1/2"	1-1/4"
2"	-	1-1/2"
2-1/4"	2"	-
2-1/2"	-	2"
2-5/8"	2-1/2"	-
3"	-	2-1/2"
3-1/4"	3"	-
3-5/8"	-	3"
3-3/4"	3-1/2"	-
4-1/8"	-	3-1/2"
4-1/4"	4"	-
4-1/2"	-	4"
4-3/4"	4-1/2"	-
5-1/4"	5"	-

ARBORS

Shank Size	Our P/N	Thread Size	Fits Saws (Diameter)
1/4" Round	1098	1/2" - 20	9/16" - 1-3/16"
3/8" Hex	1181	1/2" - 20	9/16" - 1-3/16"
7/16" Hex	2200	1/2" - 20	9/16" - 1-3/16"
7/16" Hex Pin Drive	5450	5/8" - 18	1-1/4" - 6"
5/8" Hex Pin Drive	6720	5/8" - 18	1-1/4" - 6"

NOTE: Use the correct lubricant. For ferrous metals, feed generous amounts of any commercially available cutting oil into the cut. Paraffin or beeswax is suitable for aluminum. Cast iron is cut dry. When cutting materials such as transite, no lubricant is necessary, but a water spray reduces heat and dust and flushes away chips.



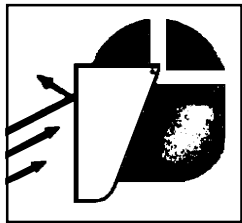
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SEE REVERSE FOR DETAILED WARNINGS

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A



B



C

HOLE SAW SAFETY REQUIREMENTS

- SAFETY GOGGLES:** Safety goggles or full face shields **MUST BE WORN** by all operators. Comply with ANSI Z87.1 "OCCUPATIONAL EYE AND FACE PROTECTIONS". **See figure A.**
- When drilling in material that causes dust, a dust mask shall be worn. **See figure B.**
- SPEEDS:** Observe all speed restrictions indicated on the saws, containers, labels, or as printed on the reverse side. The maximum safe free speed (MSFS or MAX MFS) should not be exceeded under any circumstances.

NOTE: "MSFS" or "MAX MFS" means maximum safe free speed (RPM) spinning free with no work applied. The efficient cutting speed is less than the MSFS.
- HAND PROTECTION:** Use gloves while mounting, disassembling and operating hole saws. Keep hands in sight and clear of all moving parts. Do not put hands or fingers around, on, or below any rotating cutting tools. **See figure C.**
- STANDARDS:** Observe and comply with all of the requirements of the AMERICAN NATIONAL STANDARDS INSTITUTE "ANSI/ASME B 94.54-1984" "SPECIFICATIONS FOR HOLE SAWS, HOLE SAW ARBORS, AND HOLE SAW ACCESSORIES".

HOLE SAW OPERATING INSTRUCTIONS

- Select the proper pilot drill, arbor, and saw. Use the correct arbor for the saw you plan to operate. See table on reverse side.
- When using positive drive quick interchange arbors, retract pins and screw arbor into saw as far as possible. Adjust drive pins into saw by backing off saw just enough to align the drive pin hole with the pins. Then drop pins for engagement.
- Be sure drive pins are fully engaged at all times and check frequently.
- Be sure arbor shank is properly inserted in chuck and tighten the chuck with chuck key. Chuck jaws should engage flats of hex shank.
- Never install or disassemble the saw and arbor by inserting a screw driver or similar tool in the knock-out slots. The saw can shatter or distort.
- Be sure to clean chips and slugs frequently to avoid heat build-up or stripping of teeth. Frequent clearing by intermittent withdrawal is mandatory except on thin sheet material. This is especially necessary when using the saw in a vertical position, such as in a drill press.
- Follow the recommended operating speeds found in the table on the reverse side. Too fast or too slow a speed will dull the hole saw or burr the work piece and shorten the life of the hole saw.
- Use the correct work angles for the hole saw, which is perpendicular to the work. Tilting or bouncing the hole saw when cutting will overload the teeth and cause tooth strippage. This practice also produces a rough, non-round hole.



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