



# Vermont American<sup>®</sup>



**TRUSTED  
PERFORMANCE**  
**POWER TOOL ACCESSORIES**



[www.vermontamerican.com](http://www.vermontamerican.com)



# NEW PRODUCTS

## Fiber Cement Circular Saw Blades



With Ultra Carbide for **LONGER LIFE** vs. standard carbide blades

**Extra Large Gullets**  
create less dust and reduces heat

**Thin Kerf**  
cuts faster, removes less material, and won't heat up like heavy plate blades



**Patented Dyanite Carbide**  
lasts 6X longer than standard carbide

**Precision Ground Ultrafine Carbide**  
lasts longer in fiber cement

**Hardened Plate**  
runs clean and true

## King Carbide™ Circular Saw Blades

**Heavy, stable plate**  
no wobble or runout

**Extra Large Resharpenable Teeth**  
last longer, better value

**Laser-cut Body**  
precision tolerances for precision cutting



**C3 Carbide**  
stays sharper longer vs. standard

**Patented Dyanite Carbide**  
lasts 6X longer than standard carbide



**10X LIFE**  
vs. standard carbide blades

## Demolition Reciprocating Saw Blades



Up to **30% FASTER IN METAL** vs. standard reciprocating blades

**Patented 2x2 Teeth Geometry**  
for fast cuts and long life in metal

**5/8 Variable Pitch Teeth**  
optimized for tough wood with nails, Demolition applications.

**10/14 Variable Pitch Teeth**  
for metal and multi-material applications.



**Extra Thick Body (.062)**  
for maximum control, less vibration and straighter cuts.

**Extra Thick Body (.062)**  
for maximum control, less vibration and straighter cuts.

**Thicker Kerf (.050)**  
for maximum flexibility in multiple applications.

## Twist Drill Bits

Shank	Application	Helix	Split Point
COBALT	Released over 20' Site Clean-Up	Thick Web	SP
TITANIUM	Released over 20' Site Light-Pole	Speed Helix	SP

Shank	Application	Helix	Split Point
BLACK OXIDE	Released over 20' Site Light-Pole	Speed Helix	SP
COBALT	Released over 20'	Speed Helix	SP
High Speed Steel	Released over 20'	Standard	SP



Titanium Drill Bits **40% FASTER** vs. standard drill bits

## Diamond Blades



Up to **85X LIFE** vs. standard diamond blades

- Continuous Rim**  
This rim design cuts in:  
— Masonry, Brick, Concrete, Stone and Precast  
— Sizes: 4", 6", 8", 10" and 12"
- Segmented Rim**  
Segmented rim design cuts in:  
— Masonry, Concrete, Cast Stone and Brick  
— Sizes: 4", 6", 8", 10" and 12"
- Triple Rim**  
Triple rim design to best advantage:  
— Masonry, Concrete, Cast Stone and Brick  
— Sizes: 4", 6", 8", 10" and 12"



### Cutting Material Applications



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# POWERFUL PACKAGE

## New Application Focused Packaging and Merchandising

People shop by application first. This new package helps them find the right tool for the job, calling out VA patented features and best in class engineering.



### Packaging that Sells

Tri-lingual packaging descriptions

Primary application in easy to understand picture format

Primary VA Product Point of Difference

Additional Key Feature Callouts



### Merchandising that's Easy to Shop



# DRILL BITS



## Twist



## Woodboring



## Masonry



## Specialty



  
**Vermont  
American**

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## Twist Drill Bits Features & Selection Guide

### Finishes / Coatings / Types

#### TITANIUM™



**Titanium coated** - High speed steel bits that have been coated with titanium nitride. This special coating gives the bits a very high surface hardness to help penetrate tough materials, makes the bits highly corrosion resistant and significantly reduces friction between bit and workpiece. Titanium coated bits last up to 6X longer than standard high speed steel bits and drills 3X faster with speed helix.

#### COBALT™



**Cobalt** - Cobalt bits are a special formulation of high speed steel with cobalt added in to withstand very high drilling temperatures. Cobalt bits are specifically designed for drilling very hard, abrasive materials such as treated stainless steel, titanium and cast iron. Cobalt bits are not designed for general purpose use.

#### BLACK OXIDE™



**Black oxide** - High speed steel bits with an added coating that reduces friction between bit and workpiece. Black oxide bits have 2X longer life than standard high speed steel bits and drills 3X faster with speed helix.

#### GOLD OXIDE™



**Gold oxide** - Gold oxide offers added speed and durability for general purpose drilling applications in wood, metal and plastic and drills 3X faster with speed helix.



**High speed steel (HSS)** - Standard general purpose bits. Polished finish with silver appearance.

### Point Styles

**118° point** - Designed primarily for drilling into wood or plastic. Center punch is required for drilling into metal, otherwise bit will "walk" or "skate".

**135° split point** - Starts on contact in metal, wood and plastic. Eliminates "walking" or "skating" when drilling into metal.

**Speed Helix** - More aggressive drilling angle on drill bit flutes, which provides up to 3X faster penetration. Extends the life of the drill and extends battery life in cordless drills.

### Selection Guide

Bit Type	Material to Be Drilled	Application / Benefit
<b>Specialty Drilling</b>		
 Cobalt	PH stainless steels (hardness above 35 Rockwell C).	Drilling in high heat applications. Cobalt reduces heat created by drilling in treated stainless steel.
 Titanium	Most common stainless steels.	General purpose drilling. 6X longer life than standard HSS.
<b>General Purpose Drilling</b>		
 Titanium	Carbon steels, alloy steels, wood, composition board, plastic, PVC, drywall.	General purpose drilling. 6X longer life than standard HSS. plastic, PVC, drywall.
 Black oxide	Carbon steels, alloy steels, wood, composition board, plastic, PVC, drywall.	General purpose drilling. Triple tempered for 2X longer life than standard high speed steel.
 Gold oxide	Carbon steels, alloy steels, wood, composition board, plastic, PVC, drywall.	3X faster penetration
 High speed steel	Carbon steels, alloy steels, wood, composition board, plastic, PVC, drywall.	General purpose drilling. Precision ground from premium high speed steel.



## TITANIUM™

### Titanium Coated Drill Bits



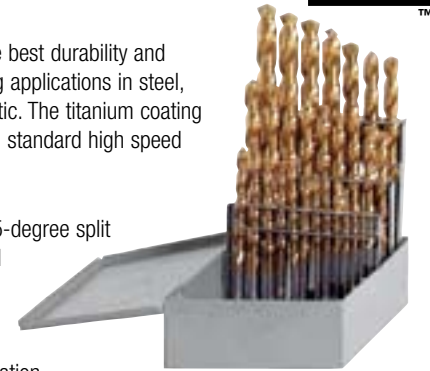
**Lasts  
6X  
Longer**  
than high  
speed steel  
drill bits

#### Titanium Coated Drill Bits

Item #	Diameter	Flute Length	Overall Length	Shank Diameter	Quantity
12354	1/16"	7/8"	1-7/8"	—	10, 1 per card
12355	5/64"	1"	2"	—	10, 1 per card
12356	3/32"	1-1/4"	2-1/4"	—	10, 1 per card
12357	7/64"	1-1/2"	2-5/8"	—	10, 1 per card
12358	1/8"	1-5/8"	2-3/4"	—	10, 1 per card
12359	9/64"	1-3/4"	2-7/8"	—	10, 1 per card
12338	1/8"	1-5/8"	2-2/3"	—	10, 1 per card
12360	5/32"	2"	3-1/8"	—	10, 1 per card
12361	11/64"	2-1/8"	3-1/4"	—	10, 1 per card
12362	3/16"	2-5/16"	3-1/2"	—	10, 1 per card
12363	13/64"	2-7/16"	3-5/8"	—	10, 1 per card
12339	3/16"	2-5/16"	3-1/2"	—	10 pack
12364	7/32"	2-1/2"	3-3/4"	—	10, 1 per card
12365	15/64"	2-5/8"	3-7/8"	—	10, 1 per card
12366	1/4"	2-3/4"	4"	—	10, 1 per card
12367	17/64"	2-7/8"	4-1/8"	—	3, 1 per card
12340	1/4"	2-3/4"	4"	—	10 pack
12368	9/32"	2-15/16"	4-1/4"	—	3, 1 per card
12369	19/64"	3-1/16"	4-3/8"	—	3, 1 per card
12370	5/16"	3-3/16"	4-1/2"	—	3, 1 per card
12371	21/64"	3-5/16"	4-5/8"	—	3, 1 per card
12372	11/32"	3-7/16"	4-3/4"	—	3, 1 per card
12373	23/64"	3-1/2"	4-7/8"	—	3, 1 per card
12374	3/8"	3-5/8"	5"	—	3, 1 per card
12511	25/64"	3-3/4"	5-1/8"	3/8"	3, 1 per card
12512	13/32"	3-7/8"	5-1/4"	3/8"	3, 1 per card
12513	27/64"	3-15/16"	5-3/8"	3/8"	3, 1 per card
12514	7/16"	4-1/16"	5-1/2"	3/8"	3, 1 per card
12515	29/64"	4-3/16"	5-5/8"	3/8"	3, 1 per card
12516	15/32"	4-5/16"	5-3/4"	3/8"	3, 1 per card
12517	31/64"	4-3/8"	5-7/8"	3/8"	3, 1 per card
12518	1/2"	3-7/8"	6"	3/8"	3, 1 per card

Titanium drill bits offer the best durability and speed for repetitive drilling applications in steel, alloy steel, wood and plastic. The titanium coating lasts six times longer than standard high speed steel drill bits.

- Each bit features a 135-degree split point for fast starts and minimal walking or skating. Bit sizes under 1/8" have 118-degree standard point configuration



#### Titanium Coated Drill Bit Sets

Item #	Contents
12345	29 pc. set in metal index includes bit sizes 1/16" through 1/2" in 1/64" increments
12385	13 pc. set in black plastic case contains one each of bit sizes 1/16" through 1/4" in 1/64" increments
04014	20 pc. set in plastic case contains 1/16" through 1/4" in 1/32" increments, plus 3/8" bit



## Titanium Drill Bits

Designed for Long Drilling life in Metal, Wood and Plastic

**Lasts  
6X  
Longer**  
than high  
speed steel  
drill bits

#### Grip Tight Shank

- Tri-flat shank for positive chuck hold



#### Titanium Coating

- Hardens bit surface or improved durability in tough, repetitive applications
- Acts as lubricant, requires less torque—less heat build-up, for longer bit life

#### Speed Helix

- Augers dust away from tip more quickly, reducing heat for long life

#### 135° Split Point

- Starts fast
- Reduces drill walking



# Drill Bits

**COBALT™**

## Cobalt Drill Bits



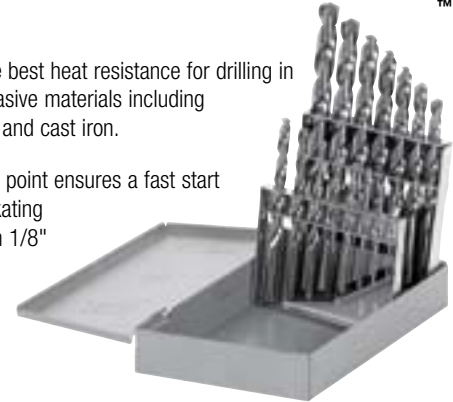
### Cobalt Drill Bit

Item #	Diameter	Flute Length	Overall Length	Quantity
12654	1/16"	7/8"	1-7/8"	10, 1 per card
12655	5/64"	1"	2"	10, 1 per card
12656	3/32"	1-1/4"	2-1/4"	10, 1 per card
12657	7/64"	1-1/2"	2-5/8"	10, 1 per card
12648	1/8"	1-5/8"	2-3/4"	10, 5 per card
12658	1/8"	1-5/8"	2-3/4"	10, 1 per card
12659	9/64"	1-3/4"	2-7/8"	10, 1 per card
12660	5/32"	2"	3-1/8"	10, 1 per card
12661	11/64"	2-1/8"	3-1/4"	10, 1 per card
12649	3/16"	2-5/16"	3-1/2"	10, 5 per card
12662	3/16"	2-5/16"	3-1/2"	10, 1 per card
12663	13/64"	2-7/16"	3-5/8"	10, 1 per card
12664	7/32"	2-1/2"	3-3/4"	10, 1 per card
12665	15/64"	2-5/8"	3-7/8"	10, 1 per card
12650	1/4"	2-3/4"	4"	10, 5 per card
12666	1/4"	2-3/4"	4"	10, 1 per card
12667	17/64"	2-7/8"	4-1/8"	10, 1 per card
12668	9/32"	2-15/16"	4-1/4"	10, 1 per card
12669	19/64"	3-1/16"	4-3/8"	10, 1 per card
12670	5/16"	3-3/16"	4-1/2"	10, 1 per card
12671	21/64"	3-5/16"	4-5/8"	10, 1 per card
12672	11/32"	3-7/16"	4-3/4"	10, 1 per card
12673	23/64"	3-1/2"	4-7/8"	10, 1 per card
12674	3/8"	3-5/8"	5"	10, 1 per card
12675	25/64"	3-3/4"	5-1/8"	10, 1 per card
12676	13/32"	3-7/8"	5-1/4"	10, 1 per card
12677	27/64"	3-15/16"	5-3/8"	10, 1 per card
12678	7/16"	4-1/16"	5-1/2"	10, 1 per card
12679	29/64"	4-3/16"	5-5/8"	10, 1 per card
12680	15/32"	4-5/16"	5-3/4"	10, 1 per card
12681	31/64"	4-3/8"	5-7/8"	10, 1 per card
12682	1/2"	4-1/2"	6"	10, 1 per card

**Best for  
Tough  
Metal™**

Cobalt drill bits offer the best heat resistance for drilling in extremely hard and abrasive materials including stainless steel, titanium and cast iron.

- The 135-degree split point ensures a fast start with no walking or skating
- Bit sizes smaller than 1/8" have 118-degree standard point



### Cobalt Drill Bit Sets

Item #	Contents
12638	15 pc. set in metal index includes bit sizes 1/16" thru 1/2" in 1/32" increments
12645	29 pc. set in metal index includes bit sizes 1/16" thru 1/2" in 1/64" increments
12686	10 pc. set in plastic case includes bit sizes 1/16" thru 5/32" in 1/32" increments plus 3/16", 7/32" and 1/4" bits
12687	13 pc. set in plastic case includes bit sizes 1/16" thru 1/4" in 1/64" increments



# Cobalt Drill Bits

Designed for Drilling in Hard Steel

**Best for  
Tough  
Metal™**

### Grip Tight Shank

- Tri-flat shank for positive chuck hold



### Cobalt

- Withstands high drilling heat for longer bit life
- Thick web for increased durability

### 135° Split Point

- Starts fast
- Reduces drill walking







**2X**  
LIFE  
than standard  
high speed  
steel drill bits

## BLACK OXIDE™

### Black Oxide Drill Bits



#### Black Oxide Fractional Drill Bits

Item #	Diameter	Flute Length	Overall Length	Quantity
12228	1/16"	7/8"	1-7/8"	10, 1 per card
12230	5/64"	1"	2"	10, 2 per card
12232	3/32"	1-1/4"	2-1/4"	10, 2 per card
12234	7/64"	1-1/2"	2-5/8"	10, 2 per card
12236	1/8"	1-5/8"	2-3/4"	10, 2 per card
12238	9/64"	1-3/4"	2-7/8"	10, 1 per card
12240	5/32"	2"	3-1/8"	10, 1 per card
12242	11/64"	2-1/8"	3-1/4"	10, 1 per card
12244	3/16"	2-5/16"	3-1/2"	10, 1 per card
12246	13/64"	2-7/16"	3-5/8"	10, 1 per card
12248	7/32"	2-1/2"	3-3/4"	10, 1 per card
12250	15/64"	2-5/8"	3-7/8"	10, 1 per card
12252	1/4"	2-3/4"	4"	10, 1 per card
12254	17/64"	2-7/8"	4-1/8"	10, 1 per card
12256	9/32"	2-15/16"	4-1/4"	10, 1 per card
12258	19/64"	3-1/16"	4-3/8"	10, 1 per card
12260	5/16"	3-3/16"	4-1/2"	10, 1 per card
12262	21/64"	3-5/16"	4-5/8"	10, 1 per card
12264	11/32"	3-7/16"	4-3/4"	10, 1 per card
12266	23/64"	3-1/2"	4-7/8"	10, 1 per card
12268	3/8"	3-5/8"	5"	10, 1 per card
12270	25/64"	3-3/4"	5-1/8"	10, 1 per card
12272	13/32"	3-7/8"	5-1/4"	10, 1 per card
12274	27/64"	3-15/16"	5-3/8"	10, 1 per card
12276	7/16"	4-1/16"	5-1/2"	10, 1 per card
12278	29/64"	4-3/16"	5-5/8"	10, 1 per card
12280	15/32"	4-5/16"	5-3/4"	10, 1 per card
12282	31/64"	4-3/8"	5-7/8"	10, 1 per card
12284	1/2"	4-1/2"	6"	10, 1 per card



#### Black Oxide Fractional Double-end Drill Bits

Double-end drill bits are ideal for repetitive drilling in sheet metal and aluminum. The high speed steel bits are surface treated for longer life.

- Bits feature a 135-degree split point to minimize bit walking or skating

Item #	Diameter	Flute Length	Overall Length	Quantity
13508	1/8"	11/16"	1-15/16"	10, 1 per card
13509	9/64"	11/16"	2-1/8"	10, 1 per card

Black oxide drill bits offer superior durability and speed for most general purpose drilling applications in wood, metal and plastic. The triple tempered black oxide coating provides very high lubricity to reduce heat buildup and prolong the life of the bit.



- Features a 135-degree split point for fast starts and minimal walking or skating
- Bits sizes smaller than 1/8" have 118-degree standard point

#### Black Oxide Fractional Drill Bit Sets

Item #	Contents
12214	14 pc. set in plastic case
12220	20 pc. set in plastic case includes the following bits: two 1/16", 5/64", 3/32", 7/64" and 1/8" bits and one each of 9/64" to 1/2" bits in 1/64" increments



#### Black Oxide Fractional Extended Length / Aircraft Drill Bits

Extended length / aircraft drill bits are ideal for extra reach and deep drilling applications in wood, metal and plastic.

- Each bit features a 135-degree split point that starts fast and reduces bit walking or skating

Item #	Diameter	Flute Length	Overall Length	Quantity
13158	1/8"	2-1/2"	6"	5, 1 per card
13160	5/32"	2-1/2"	6"	5, 1 per card
13162	3/16"	2-1/2"	6"	5, 1 per card
13164	7/32"	2-1/2"	6"	5, 1 per card
13166	1/4"	2-1/2"	6"	5, 1 per card
13258	1/8"	1-5/8"	6"	1 per card
13262	3/16"	2-15/16"	12"	1 per card
13266	1/4"	2-3/4"	12"	1 per card
13270	5/16"	3-3/16"	12"	1 per card
13274	3/8"	3-5/8"	12"	1 per card
13278	7/16"	4-1/16"	12"	1 per card
13282	1/2"	4-1/2"	12"	1 per card

\*Drill bits in excess of 8" should never exceed 600 RPM.



#### Black Oxide Stubby Length Drill Bits

Stubby length drill bits are ideal for drilling in sheet metal. The shorter length increases rigidity and reduces breakage.

Item #	Diameter	Flute Length	Overall Length	Quantity
12808	1/8"	7/8"	1-7/8"	10 in bag
12812	3/16"	1-1/8"	2-3/16"	10 in bag



# Drill Bits



## Black Oxide Wire Gauge Drill Bits

Item #	Diameter	Flute Length	Overall Length	Quantity
11801	1	2-5/8"	3-7/8"	5, 1 per card
11802	2	2-5/8"	3-7/8"	5, 1 per card
11803	3	2-1/2"	3-3/4"	5, 1 per card
11804	4	2-1/2"	3-3/4"	5, 1 per card
11805	5	2-1/2"	3-3/4"	5, 1 per card
11806	6	2-1/2"	3-3/4"	5, 1 per card
11807	7	2-7/16"	3-5/8"	5, 1 per card
11808	8	2-7/16"	3-5/8"	5, 1 per card
11809	9	2-7/16"	3-5/8"	5, 1 per card
11810	10	2-7/16"	3-5/8"	5, 1 per card
11811	11	2-5/16"	3-1/2"	5, 1 per card
11812	12	2-5/16"	3-1/2"	5, 1 per card
11813	13	2-5/16"	3-1/2"	5, 1 per card
11814	14	2-3/16"	3-3/8"	5, 1 per card
11815	15	2-3/16"	3-3/8"	5, 1 per card
11816	16	2-3/16"	3-3/8"	5, 1 per card
11817	17	2-3/16"	3-3/8"	5, 1 per card
11818	18	2-1/8"	3-1/4"	5, 1 per card
11819	19	2-1/8"	3-1/4"	5, 1 per card
11820	20	2-1/8"	3-1/4"	5, 1 per card
11821	21	2-1/8"	3-1/4"	5, 1 per card
11822	22	2"	3-1/8"	5, 1 per card
11823	23	2"	3-1/8"	5, 1 per card
11824	24	2"	3-1/8"	5, 1 per card
11825	25	1-7/8"	3"	5, 1 per card
11826	26	1-7/8"	3"	5, 1 per card
11827	27	1-7/8"	3"	5, 1 per card
11828	28	1-3/4"	2-7/8"	5, 1 per card
11829	29	1-3/4"	2-7/8"	5, 1 per card
11830	30	1-5/8"	2-3/4"	5, 1 per card
11831	31	1-5/8"	2-3/4"	5, 1 per card
11832	32	1-5/8"	2-3/4"	5, 1 per card
11833	33	1-1/2"	2-5/8"	5, 1 per card
11834	34	1-1/2"	2-5/8"	5, 1 per card
11835	35	1-1/2"	2-5/8"	5, 1 per card
11836	36	1-7/16"	2-1/2"	5, 1 per card
11837	37	1-7/16"	2-1/2"	5, 1 per card
11838	38	1-7/16"	2-1/2"	5, 1 per card
11839	39	1-3/8"	2-3/8"	5, 1 per card
11840	40	1-3/8"	2-3/8"	5, 1 per card
11841	41	1-3/8"	2-3/8"	5, 1 per card
11842	42	1-1/4"	2-1/4"	5, 1 per card
11843	43	1-1/4"	2-1/4"	5, 1 per card
11844	44	1-1/8"	2-1/8"	5, 1 per card
11845	45	1-1/8"	2-1/8"	5, 1 per card
11846	46	1-1/8"	2-1/8"	5, 1 per card
11847	47	1"	2"	5, 1 per card
11848	48	1"	2"	5, 1 per card
11849	49	1"	2"	5, 1 per card
11850	50	1"	2"	5, 1 per card
11851	51	1"	2"	5, 1 per card
11852	52	7/8"	1-7/8"	5, 1 per card
11853	53	7/8"	1-7/8"	5, 1 per card
11854	54	7/8"	1-7/8"	5, 1 per card
11855	55	7/8"	1-7/8"	5, 1 per card
11856	56	3/4"	1-3/4"	5, 1 per card
11857	57	3/4"	1-3/4"	5, 1 per card
11858	58	11/16"	1-5/8"	5, 1 per card
11859	59	11/16"	1-5/8"	5, 1 per card
11860	60	11/16"	1-5/8"	5, 1 per card

Wire gauge drill bits are used in wood, metal and plastic applications where more precisely sized holes are required. The bits drill an exact hole size, making them ideal for tapping. Diameters fall between standard fractional sizes.



- Each drill bit features a 118-degree standard point configuration for general purpose drilling applications
- Popular taps up to 1/4-24 require use of wire gauge drill bits

### Black Oxide Wire Gauge Drill Bit Set

Item #	Contents
11781	60 pc. set in metal index includes one each of wire gauge sizes 1 through 60

## Black Oxide Letter Size Drill Bit Set

Letter size drill bits feature a 118-degree standard point configuration for general purpose drilling in wood, metal or plastic.



### Black Oxide Letter Size Drill Bit Set

Item #	Contents
12027	26 pc. set in metal index includes one each of letter size drill bits A through Z



## Black Oxide 1/2" Shank Drill Bits

For drilling larger holes, up to 1" in wood, metal and PVC. These bits, also called Silver and Deming feature a 135 degree split tip for accurate starts and 3 flat shanks for superior grip in drill chucks.

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
10534	17/32"	1/2"	3-7/8"	6"	1 per card
10536	9/16"	1/2"	3-7/8"	6"	1 per card
10538	19/32"	1/2"	3-7/8"	6"	1 per card
10540	5/8"	1/2"	3-7/8"	6"	1 per card
10542	21/32"	1/2"	3-7/8"	6"	1 per card
10544	11/16"	1/2"	3-7/8"	6"	1 per card
10546	23/32"	1/2"	3-7/8"	6"	1 per card
10548	3/4"	1/2"	3-7/8"	6"	1 per card
10550	25/32"	1/2"	3-7/8"	6"	1 per card
10552	13/16"	1/2"	3-7/8"	6"	1 per card
10554	27/32"	1/2"	3-7/8"	6"	1 per card
10556	7/8"	1/2"	3-7/8"	6"	1 per card
10558	29/32"	1/2"	3-3/4"	6"	1 per card
10560	15/16"	1/2"	3-7/8"	6"	1 per card
10562	31/32"	1/2"	3-7/8"	6"	1 per card
10564	1"	1/2"	3-7/8"	6"	1 per card





**2X**  
LIFE  
than standard  
high speed  
steel drill bits

## GOLD OXIDE™

### Gold Oxide® Drill Bits



#### Gold Oxide® Drill Bits

Item #	Diameter	Flute Length	Overall Length	Quantity
12146	1/16"	7/8"	1-7/8"	10, 2 per card
12147	5/64"	1"	2"	10, 2 per card
12148	3/32"	1-1/4"	2-1/4"	10, 2 per card
12149	7/64"	1-1/2"	2-5/8"	10, 2 per card
12150	1/8"	1-5/8"	2-3/4"	10, 2 per card
12159	9/64"	1-3/4"	2-7/8"	10, 1 per card
12160	5/32"	2"	3-1/8"	10, 1 per card
12161	11/64"	2-1/8"	3-1/4"	10, 1 per card
12162	3/16"	2-5/16"	3-1/2"	10, 1 per card
12163	13/64"	2-7/16"	3-5/8"	10, 1 per card
12164	7/32"	2-1/2"	3-3/4"	10, 1 per card
12165	15/64"	2-5/8"	3-7/8"	10, 1 per card
12166	1/4"	2-3/4"	4"	10, 1 per card
12167	17/64"	2-7/8"	4-1/8"	10, 1 per card
12168	9/32"	2-15/16"	4-1/4"	10, 1 per card
12170	5/16"	3-3/16"	4-1/2"	10, 1 per card
12171	21/64"	3-5/16"	4-5/8"	10, 1 per card
12172	11/32"	3-7/16"	4-3/4"	10, 1 per card
12173	23/64"	3-1/2"	4-7/8"	10, 1 per card
12174	3/8"	3-5/8"	5"	10, 1 per card
12175	25/64"	3-3/4"	5-1/8"	10, 1 per card
12176	13/32"	3-7/8"	5-1/4"	10, 1 per card
12177	27/64"	3-15/16"	5-3/8"	10, 1 per card
12178	7/16"	4-1/16"	5-1/2"	10, 1 per card
12179	29/64"	4-3/16"	5-5/8"	10, 1 per card
12180	15/32"	4-5/16"	5-3/4"	10, 1 per card
12181	31/64"	4-3/8"	5-7/8"	10, 1 per card
12182	1/2"	4-1/2"	6"	10, 1 per card

Gold Oxide offers added speed and durability for general purpose drilling applications in wood, metal and plastic.

Feature adds a speed helix design that penetrates wood, metal and plastic three times faster than standard high speed steel drill bits.

- Bits feature a 135-degree split point that starts fast and minimizes bit walking or skating. Bits smaller than 1/8" have 118-degree standard point configuration
- Bits larger than 3/8" have reduced shank for use in 3/8" drills

#### Gold Oxide® Drill Bit Sets

Item #	Contents
12138	13 pc. set in metal index includes bit sizes 1/16" through 1/4" in 1/64" increments
12145	29 pc. set in metal index includes bit sizes 1/16" through 1/2" in 1/64" increments
12186	10 pc. set in plastic case includes bit sizes 1/16" through 5/32" in 1/32" increments plus 3/16", 7/32" and 1/4" bits
12187	13 pc. set in plastic case includes bit sizes 1/16" through 1/4" in 1/64" increment
12720	20 pc. set in plastic case includes bit sizes 1/16" through 3/16" in 1/64" increments plus 7/32", 1/4", 5/16", 3/8" and 1/2" bits

### Quick Change / Hex Shank Drill Bits



#### Quick Change / Hex Shank Drill Bits

Item #	Diameter	Quantity
13114	1/16"	5, 2 per card
13115	5/64"	5, 2 per card
13116	3/32"	5, 2 per card
13117	7/64"	5, 2 per card
13118	1/8"	5, 2 per card
13124	1/16"	5, 1 per card
13125	5/64"	5, 1 per card
13126	3/32"	5, 1 per card
13127	7/64"	5, 1 per card
13128	1/8"	5, 1 per card
13129	9/64"	5, 1 per card
13130	5/32"	5, 1 per card
13131	3/16"	5, 1 per card
13132	7/32"	5, 1 per card
13133	1/4"	5, 1 per card

High speed steel hex shank drill bits are designed for quick bit changes during general purpose drilling in wood, metal and plastic.

- Each bit features a 1/4" hex shank with power groove for use in cordless drills, cordless screwdrivers and quick change adapters



#### Quick Change / Hex Shank Drill Bit Sets

Item #	Contents
13135	5 pc. set includes one each of bit sizes 3/32" to 5/32" in 1/64" increments (case not included)
13137	10 pc. set in a plastic case includes one each of bit sizes 1/16" to 1/4" in 1/64" increments

# Drill Bits

## High Speed Steel Drill Bits



### High Speed Steel Fractional Drill Bits

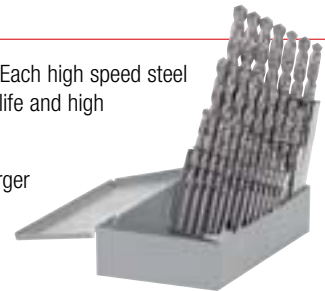
For drilling in wood, metal and plastic. Each high speed steel bit is hardened and tempered for long life and high performance in tough applications.

- 118-degree point configuration is ideal for general purpose drilling applications
- 3/8" reduced shank allows for drilling larger holes with 3/8" drills

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity	Bulk Item #	Bulk Quantity
10196	1/8"	—	1-5/8"	2-3/4"	10, 2 per card	—	—
10209	9/64"	—	1-3/4"	2-7/8"	10, 1 per card	10109	10 bits in bag
10210	5/32"	—	2"	3-1/8"	10, 1 per card	10110	10 bits in bag
10211	11/64"	—	2-1/8"	3-1/4"	10, 1 per card	10111	10 bits in bag
10212	3/16"	—	2-5/16"	3-1/2"	10, 1 per card	10112	10 bits in bag
10213	13/64"	—	2-7/16"	3-5/8"	10, 1 per card	10113	10 bits in bag
10214	7/32"	—	2-1/2"	3-3/4"	10, 1 per card	10114	10 bits in bag
10215	15/64"	—	2-5/8"	3-7/8"	10, 1 per card	10115	10 bits in bag
10216	1/4"	—	2-3/4"	4"	10, 1 per card	10116	10 bits in bag
10217	17/64"	—	2-7/8"	4-1/8"	10, 1 per card	10117	3 bits in bag
10218	9/32"	—	2-15/16"	4-1/4"	10, 1 per card	10118	3 bits in bag
10219	19/64"	—	3-1/16"	4-3/8"	10, 1 per card	10119	3 bits in bag
10220	5/16"	—	3-3/16"	4-1/2"	10, 1 per card	10120	3 bits in bag
10221	21/64"	—	3-5/16"	4-5/8"	10, 1 per card	10121	3 bits in bag
10222	11/32"	—	3-7/16"	4-3/4"	10, 1 per card	10122	3 bits in bag
10223	23/64"	—	3-1/2"	4-7/8"	10, 1 per card	10123	3 bits in bag
10224	3/8"	—	3-5/8"	5"	10, 1 per card	10124	3 bits in bag
10228	7/16"	—	4-1/16"	5-1/2"	10, 1 per card	10128	3 bits in bag
10481	25/64"	3/8"	3-3/4"	5-1/8"	3, 1 per card	10471	3 in bag
10482	13/32"	3/8"	3-7/8"	5-1/4"	3, 1 per card	10472	3 in bag
10483	27/64"	3/8"	3-15/16"	5-3/8"	3, 1 per card	10473	3 in bag
10484	7/16"	3/8"	4-1/16"	5-1/2"	3, 1 per card	10474	3 in bag
10485	29/64"	3/8"	4-3/16"	5-5/8"	3, 1 per card	10475	3 in bag
10486	15/32"	3/8"	4-5/16"	5-3/4"	3, 1 per card	10476	3 in bag
10487	31/64"	3/8"	4-3/8"	5-7/8"	3, 1 per card	10477	3 in bag
10488	1/2"	3/8"	4-1/2"	6"	3, 1 per card	10478	3 in bag

For drilling in wood, metal and plastic. Each high speed steel bit is hardened and tempered for long life and high performance in tough applications.

- Reduced shank allows for drilling larger holes with 3/8" drills
- 118-degree point configuration is ideal for general purpose drilling applications



### High Speed Steel Fractional Drill Bit Sets

Item #	Contents
10138	15 pc. set in metal index includes bit sizes 1/16" through 1/2" in 1/32" increments
10141	21 pc. set in metal index includes bit sizes 1/16" through 3/8" in 1/64" increments
10144	29 pc. set in metal index includes bit sizes 1/16" through 1/2" in 1/64" increments
10240	7 pc. set in plastic case includes bit sizes 1/16" through 1/4" in 1/32" increments
10245	13 pc. set in plastic case includes bit sizes 1/16" through 1/4" in 1/64" increments
10250	10 pc. set in plastic case includes bit sizes 1/16" through 5/32" in 1/32" increments plus bit sizes 3/16", 7/32" and 1/4"



### High Speed Steel Left-hand Fractional Drill Bits

Left-hand drill bits are ideal for extracting broken, right-hand threaded studs and bolts. Designed for use in reversible drills, lathes and milling machines.

- All bits feature a 118-degree standard point configuration for general purpose drilling
- 13484 is a 5 piece set that includes bit sizes 1/8" through 3/8" in 1/16" increments

Item #	Diameter	Flute Length	Overall Length	Quantity
13458	1/8"	7/8"	1-7/8"	10, 1 per card
13462	3/16"	1-1/8"	2-3/16"	10, 1 per card
13466	1/4"	1-3/8"	2-1/2"	10, 1 per card
13470	5/16"	1-5/8"	2-13/16"	5, 1 per card
13474	3/8"	1-13/16"	3-1/8"	5, 1 per card
13484	Assorted	Assorted	Assorted	5 pc. set, 1/8" through 3/8" by 16ths





## Wood Boring Drill Bit Features & Selection Guide

### Bits for Rough Finish Applications

#### BLACK OXIDE™



**Spade bits** - Standard general purpose wood boring bits.

#### WOODEATER® Wood Boring Bit



**WoodEater® bits** - Designed for overhead work, rewiring and remodeling. Last 7X longer than spade bits.



**Spur auger bits 7"** - Fast wood boring through up to three studs. Screw point tip pulls the bit through for faster boring action. Drills a clean hole.

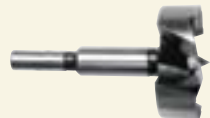


**Ship auger bits 17"** - Fast, deeper wood boring in large timbers, decks and telephone poles. Screw point tip pulls the bit through for faster boring action. Hardened cutting edge cuts through nails and staples.



**Bell hanger installer bits** - Extended length drill bits with a hole in the tip for pulling wire through walls, ceilings and floors.

### Bits for Smooth Finish Applications










**Forstner bits** - Designed for boring perfectly smooth, flat-bottomed holes. Forstner bits also bore off-center or angled holes.



**Brad point bits** - Designed for boring smooth, accurate holes. Brad point centers bit for easy positioning of hole.

### Selection Guide

Bit Type (Size range)	Material to Be Drilled	Application / Benefit
Forstner bits (1/4" to 2-1/8") 	All types of wood.	Perfectly smooth, flat-bottomed holes. Also off-center or angled holes.
Brad point bits (1/8" to 5/8") 	All types of wood.	Smooth, accurate holes. Acute cutting angle for smooth, clean holes.
WoodEater® bits 	All types of wood.	Fast holes, specifically designed for overhead work, rewiring and remodeling. Last 7X longer than standard spade bits.
Spade bits (1/4" to 1-1/2") 	All types of wood.	Fast holes. Threaded tip pulls bit through wood.
Spur auger bits (1/4" to 1") 	All types of wood.	Fast wood boring action through up to three studs. Drills a clean hole.
Ship auger bits (3/8" to 1-1/2") 	All types of wood.	Fast, deep wood boring in large timber, decks and telephone poles. Cuts through nails and staples.
Bell hanger installer bits (1/4" to 1/2") 	All types of wood.	Hole in the tip for running wire through walls, ceilings and floors. Ideal for installing computer, telephone, TV, stereo & security system wires.

# Drill Bits

## BLACK OXIDE™

### Black Oxide™ Spade Bits

**3X**  
FASTER  
than standard  
spade bits



#### Black Oxide™ Standard Length Spade Bits

- All bits are 6" / 150 mm long and feature a 1/4" quick change hex shank with power groove

Item #	Diameter	Quantity
14454	1/4"	5, 1 per card
14455	5/16"	5, 1 per card
14456	3/8"	5, 1 per card
14457	7/16"	5, 1 per card
14458	1/2"	5, 1 per card
14459	9/16"	5, 1 per card
14460	5/8"	5, 1 per card
14461	11/16"	5, 1 per card
14462	3/4"	5, 1 per card
14463	13/16"	5, 1 per card
14464	7/8"	5, 1 per card
14465	15/16"	5, 1 per card
14466	1"	5, 1 per card
14468	1-1/8"	5, 1 per card
14470	1-1/4"	5, 1 per card
14472	1-3/8"	5, 1 per card
14474	1-1/2"	5, 1 per card

#### Black Oxide™ Stubby Length Spade Bits

- All bits are 4" long for easy use in tight spaces



Item #	Diameter	Quantity
14485	3/8"	5, 1 per card
14486	1/2"	5, 1 per card
14487	5/8"	5, 1 per card
14488	3/4"	5, 1 per card
14489	7/8"	5, 1 per card
14490	1"	5, 1 per card
14491	1-1/8"	5, 1 per card
14492	1-1/4"	5, 1 per card
14493	1-1/2"	5, 1 per card

Black Oxide™ Stubby Length Spade Bit Sets		
Item #	Contents	Quantity
14494	3 pc. set	1 set per card



# Spade Bits

Fast-Feed Threaded Tip  
and Quick Change 1/4" Hex Shanks



#### 16" Extra Length Bits

- Increased drilling length/reach
- Ideal for overhead work





## BLACK OXIDE™



### Black Oxide™ Extended Length Spade Bits

- All bits are 16" long for extra reach and deep drilling applications in wood

Item #	Diameter	Quantity
14426	3/8"	5, 1 per card
14428	1/2"	5, 1 per card
14430	5/8"	5, 1 per card
14432	3/4"	5, 1 per card
14434	7/8"	5, 1 per card
14436	1"	5, 1 per card



- Black Oxide™ spade bits feature a black oxide coating that increases wear resistance
- Cut 3X faster than standard spade bits thanks to the innovative screw point tip. The tip is threaded like a wood screw and literally pulls the bit through the wood for fast cutting action. The pulling action of the tip means less pressure is required behind the bit making overhead applications easy on the arms

### Black Oxide™ Spade Bit Sets

Item #	Contents
14481	3 pc. set in plastic pouch includes one each of 1/2", 3/4" and 1" spade bits
14483	6 pc. set in plastic pouch includes one each of 3/8", 1/2", 5/8", 3/4" and 1" spade bits with 6" extension
14482	6 pc. set in plastic pouch includes one each of 3/8", 1/2", 5/8", 3/4", 7/8" and 1" spade bits

## WOODEATER® Wood Boring Bit

### WoodEater® Wood Boring Bits



WoodEater® wood boring bits are designed for fast, repetitive boring in wood with portable drills. The bits cut three times faster and last seven times longer than standard spade bits. The self-feed screw helps draw the bit through the wood. Ideal for overhead work, rewiring and remodeling.

- All bits are 6" long

Item #	Diameter	Shank Diameter	Quantity
14560	1/2"	1/4" hex	3, 1 per card
14561	5/8"	1/4" hex	3, 1 per card
14562	3/4"	5/16" hex	3, 1 per card
14563	7/8"	5/16" hex	3, 1 per card
14564	1"	5/16" hex	3, 1 per card
14565	1-1/8"	5/16" hex	3, 1 per card
14566	1-1/4"	5/16" hex	3, 1 per card
14567	1-3/8"	5/16" hex	3, 1 per card
14568	1-1/2"	5/16" hex	3, 1 per card

### WoodEater® Wood Boring Bit Set

Item #	Sizes	Shank Diameter	Quantity
14570	3/4", 1", 1-1/2"	5/16" hex	3 pc. set

# Drill Bits

## Power Spur Auger Bits



Power spur auger bits provide fast wood boring through up to three studs. The spur head and coarse screw point provide fast, smooth boring in hard and soft woods and wide lands help keep the bit straight as it bores.

- Bits are 7-1/2" long and have a twist length of 5"
- All bits fit drills with 3/8" or larger chucks

Item #	Diameter	Shank Diameter
18670	1/4"	1/4" hex
18671	5/16"	1/4" hex
18672	3/8"	3/8" hex
18673	7/16"	3/8" hex
18674	1/2"	3/8" hex
18675	9/16"	3/8" hex
18676	5/8"	3/8" hex
18677	11/16"	3/8" hex
18678	3/4"	3/8" hex
18679	13/16"	3/8" hex
18680	7/8"	3/8" hex
18681	15/16"	3/8" hex
18682	1"	3/8" hex

## Power Ship Auger Bits



Power ship auger bits provide deep wood boring in large timbers, decks and telephone poles. The ship head and coarse screw point provide fast boring in hard and soft woods and cuts through nails and knots. Wide lands help keep the bit straight as it bores. The bit features a hollow center flute design for fast chip removal and increased boring speed.

- All bits are 17" long and have a twist length of 12"
- All bits fit drills with 3/8" or larger chucks

Item #	Diameter	Shank Diameter
18640	3/8"	5/16"
18641	7/16"	5/16"
18642	1/2"	5/16"
18643	9/16"	7/16"
18644	5/8"	7/16"
18645	11/16"	7/16"
18646	3/4"	7/16"
18647	13/16"	7/16"
18648	7/8"	7/16"
18649	15/16"	7/16"
18650	1"	7/16"
18651	1-1/16"	7/16"
18652	1-1/8"	7/16"
18654	1-1/4"	7/16"
18656	1-3/8"	7/16"
18657	1-1/2"	7/16"

Note: Drill bits in excess of 8" should never exceed 600 RPM.

## Bell Hanger / Installer Drill Bits



Bell hanger / installer drill bits are designed with a hole in the tip for running wires through walls, ceilings and floors. Use to install computer, telephone, television, stereo and security system wires.

- Wide flute design provides fast, clean boring action in wood and drywall

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
13321	1/4"	1/4"	3-3/4"	18"	3, 1 per card
13322	5/16"	1/4"	3-3/4"	18"	3, 1 per card
13323	3/8"	1/4"	3-3/4"	18"	3, 1 per card
13325	1/2"	3/8"	3-3/4"	18"	3, 1 per card

Note: Drill bits in excess of 8" should never exceed 600 RPM.

## Forstner Bits



Forstner bits bore perfectly smooth, flat-bottomed holes in wood. Ideal for drilling decorative holes used in fine woodworking.

Item #	Diameter	Shank Diameter	Overall Length	Quantity
14504	1/4"	1/4" round	3"	1
14506	3/8"	3/8" round	3"	1
14508	1/2"	3/8" round	3-1/2"	1
14510	5/8"	3/8" round	3-1/2"	1
14512	3/4"	3/8" round	3-1/2"	1
14514	7/8"	3/8" round	3-1/2"	1
14516	1"	3/8" round	3-1/2"	1
14518	1-1/8"	3/8" round	3-1/2"	1
14520	1-1/4"	3/8" round	3-1/2"	1
14522	1-3/8"	3/8" round	3-1/2"	1
14524	1-1/2"	3/8" round	3-1/2"	1
14526	1-5/8"	3/8" round	3-1/2"	1
14528	1-3/4"	3/8" round	3-1/2"	1
14530	1-7/8"	3/8" round	3-1/2"	1
14532	2"	3/8" round	3-1/2"	1
14534	2-1/8"	3/8" round	3-1/2"	1

### Forstner Bit Sets

Item #	Sizes	Quantity
14547	5/8" 3/4", 7/8", 1"	4 pc. set
14549	1/4" through 2-1/8" in 1/8" increments	16 pc. set





## Brad Point Drill Bits



Brad point drill bits are designed to drill smooth, clean cuts in wood. The brad point tip provides easy positioning and accurate starts. Extra-wide flutes yield fast chip removal.

- Designed for use in portable drills and drill presses
- 14615 is a 6 piece set that includes drill bit sizes 1/4" through 1/2" in 1/16" increments

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
14601	1/8"	1/8"	1-5/8"	2-3/4"	3, 1 per card
14602	3/16"	3/16"	2-5/16"	3-1/2"	3, 1 per card
14603	1/4"	1/4"	2-1/4"	3-15/16"	3, 1 per card
14604	5/16"	5/16"	2-3/4"	4-7/16"	3, 1 per card
14605	3/8"	5/16"	3-1/4"	5-3/16"	3, 1 per card
14606	7/16"	5/16"	3-1/2"	5-9/16"	3, 1 per card
14607	1/2"	5/16"	3-1/2"	5-15/16"	3, 1 per card
14609	5/8"	3/8"	4-1/4"	7"	3, 1 per card

### Brad Point Drill Bit Set

Item #	Sizes	Quantity
14615	1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	6 pc. set

## Adjustable Wood Boring Bits



Drill a wide range of hole sizes with one adjustable wood boring bit. Each bit is easy to adjust and provides accurate boring with a smooth finish.

Item #	Diameter	Shank Diameter	Quantity
14401	5/8" through 1-3/4"	1/4"	3, 1 per card
14402	7/8" through 3"	3/8"	3, 1 per card

## Masonry Drill Bit Features & Selection Guide

### Bits for Masonry Applications



**SDS-plus®** - Drills holes into hardened concrete and other masonry where impact is necessary. Faster, more efficient drilling in more demanding masonry materials.



**Rotary percussion** - Hardened tip for use in impact mode. Allows impact mode to be used with a straight shank drill bit for faster drilling.







**Double flute** - Double flute for fast clearing of waste materials. 2X faster drilling than standard rotary masonry bits.



**Concrete screw drill** - Drills pilot holes 3/16" and 1/4" for Tapcon® system fasteners. Fast installation of Tapcon® screws.

### Selection Guide

Description	Bit Type	Material to Be Drilled	Application / Benefit
(Best) SDS-plus® rotary hammer		Concrete, stone, brick, cinder block, other masonry.	Drills holes into hardened concrete and other masonry where impact is necessary. Faster, more efficient drilling in more demanding masonry material.
Rotary hammer straight shank		Concrete, stone, brick, cinder block.	Hardened tip for use in impact mode. Allows impact mode to be used with a straight shank drill bit for faster drilling.
Rotary straight shank		Brick, cinder block, mortar and tile.	Double flute for cleaning of waste materials.
Straight shank / Tapcon®		Drills pilot holes, 3/16" and 1/4" for Tapcon® system fasteners.	Fast installation of Tapcon® screws.

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## Guide for Difficult-to-Drill Materials

As workpiece hardness increases, appropriate tool materials, point geometries and surface treatments must be used to achieve longer tool life and higher productivity. Abrasive materials such as stainless steel, fiberglass, graphite epoxies, high silicon aluminum and various cast irons will quickly dull a drill point. More abrasive resistant high speed steel (HSS) or carbide tipped bits are recommended. For cast irons, surface treatments such as titanium are gaining favor.

Coolants and lubricants will greatly improve tool life and workpiece finish. Using coolants and lubricants is a must to avoid work hardening of the material during drilling.

### Primary premature tool failure causes

1. Forcing drill
2. Drilling without lubricant

Do not force a drill to cut too fast as this will wear the drill. Try to prevent the drill bit from suddenly emerging from the underside of the work. It is likely to catch in the resulting burrs and either break or spin the workpiece. A slow, controlled exit will not produce a large burr and will result in a clean cut.

**NOTE: Always use proper lubricant.**

### Drilling Speeds

The most efficient cutting speed for drills varies with the material being worked, rate of feed and cutting fluid used. The following table suggests conservative speeds for both types of drills under highly controlled industrial use and in ordinary hand use. In handwork, the operator must, of course, be governed by the immediate action of the drill and adjust the speed accordingly. Note: Drill bits in excess of 8" should never exceed 600 RPM.

### For Drilling Mild Steel — Industrial Use

Drill bit diameter	RPM Machine feed with ample lubricant	RPM Hand feed with intermittent or no lubricant
1/16"	6110	3060
3/32"	4075	2050
1/8"	3060	1530
3/16"	2040	1020
1/4"	1530	760
5/16"	1220	610
3/8"	1020	510
1/2"	764	380

### For Drilling Other Metals

To find the best drilling speed for any one of the following metals, just multiply the number of RPMs in the preceding table by the number listed after the metal.

Die casting (zinc base)	3.50
Aluminum	2.50
Brass & bronze	2.00
Cast iron, soft	1.15
Malleable iron	.85
Cast iron, hard	.80
Tool steel	.60
Stainless steel	.30
Chilled cast iron	.20
Manganese steel	.15





## Rotary Hammer Bits



### Rotary Hammer Bits

Use rotary hammer bits for drilling in concrete, stone, brick and cinder block. A specially formulated carbide tip withstands impact sustained from hammer drills.

- Entire length of bit is fully hardened to Rockwell 45 C for extra strength
- For use in hammer drills with rotary and hammer settings

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
14101	1/8"	1/8"	3-1/2"	3"	5, 1 per card
14103	3/16"	3/16"	3-1/2"	4"	5, 1 per card
14104	1/4"	1/4"	3-1/2"	6"	5, 1 per card
14105	5/16"	1/4"	3-1/2"	6"	5, 1 per card
14106	3/8"	1/4"	3-1/2"	6"	5, 1 per card
14107	7/16"	3/8"	3-1/2"	6"	5, 1 per card
14109	1/2"	3/8"	3-1/2"	6"	5, 1 per card
14110	5/8"	3/8"	3-1/2"	6"	10, 1 per card
14111	3/4"	3/8"	3-1/2"	6"	10, 1 per card
14112	7/8"	3/8"	3-1/2"	6"	10, 1 per card
14113	1"	3/8"	3-1/2"	6"	10, 1 per card
14114	9/16"	3/8"	3-1/2"	6"	3, 1 per card
14115	11/16"	3/8"	3-1/2"	6"	10, 1 per card
14124	1/4"	1/4"	11-1/2"	13"	10, 1 per card
14125	5/16"	1/4"	11-1/2"	13"	10, 1 per card
14126	3/8"	1/4"	11-1/2"	13"	10, 1 per card
14129	1/2"	3/8"	11-1/2"	13"	10, 1 per card
14130	5/8"	3/8"	11-1/2"	13"	10, 1 per card
14131	3/4"	3/8"	11-1/2"	13"	10, 1 per card
14132	7/8"	1/2"	11-1/2"	13"	10, 1 per card
14133	1"	1/2"	11-1/2"	13"	10, 1 per card

\*Drill bits in excess of 8" should never exceed 600 RPM.



### Rotary Hammer Bit Sets

Item #	Quantity	Diameter
14135	6 pc. set	3/16"(2), 1/4"(1), 5/16"(1), 3/8"(1), 1/2"(1)

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 SDS-plus® is a registered trademark of Robert Bosch GmbH.  
 Tapcon® is a registered trademark of Illinois Tool Works.

## SDS-plus® Masonry Drill Bits



Use SDS-plus® masonry drill bits for drilling in concrete, brick, stone and other masonry products. Special undercut double flute design quickly clears dust from the hole, and an H-L grade carbide tip withstands impact from hammer drills.

- Shot peened body provides maximum torque protection
- For use in SDS-plus® hammer drills only

Item #	Diameter	Flute Length	Overall Length
14200	5/32"	4"	6"
14202	3/16"	4"	6"
14208	1/4"	4"	6"
14211	5/16"	4"	6"
14213	3/8"	4"	6"
14215	3/8"	10"	12"
14219	1/2"	4"	6"
14221	1/2"	10"	12"
14225	5/8"	6"	8"
14226	5/8"	10"	12"
14229	3/4"	6"	8"
14230	3/4"	10"	12"
14237	1"	8"	10"

\*Drill bits in excess of 8" should never exceed 600 RPM.

## Anchoring Systems



### Concrete Drill & Drive Kit

A complete kit for fast installation of Tapcon® concrete anchor screws.

- Quick change chuck adapter provides quick snap-in, snap-out chucking action for drill and screwdriver bits
- Magnetic hex head nutdrivers and Phillips® ribbed screwdriving bits grip and hold screws for easier driving

Item #	Includes
14380	Kit includes quick adapter, nutdrivers, drill bits and screwdriver bits

## Double Flute Masonry Bits



### Double Flute Masonry Bits



Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
14021	1/8"	1/8"	2"	3"	10, 1 per card
14013	1/8"	1/8"	2"	3"	10, 5 per card
14022	5/32"	5/32"	2"	3"	10, 1 per card
14014	5/32"	5/32"	2"	3"	10, 5 per card
14003	3/16"	3/16"	1-5/8"	3"	10, 1 per card
14023	3/16"	3/16"	2-3/4"	4"	10, 1 per card
14015	3/16"	1/4"	2-3/4"	3"	10, 5 per card
14035	7/32"	1/4"	2-3/4"	4"	10, 1 per card
14004	1/4"	1/4"	2-3/4"	4"	10, 1 per card
14016	1/4"	1/4"	2-3/4"	4"	10, 5 per card
14024	1/4"	1/4"	4-1/2"	6"	10, 1 per card
14044	1/4"	1/4"	11-1/2"	13**	10, 1 per card
14005	5/16"	1/4"	2-3/4"	4"	10, 1 per card
14017	5/16"	1/4"	2-3/4"	4"	10, 5 per card
14025	5/16"	1/4"	4-1/2"	6"	10, 1 per card
14045	5/16"	1/4"	11-1/2"	13**	10, 1 per card
14006	3/8"	1/4"	2-3/4"	4"	10, 1 per card
14026	3/8"	1/4"	4-1/2"	6"	10, 1 per card
14046	3/8"	1/4"	11-1/2"	13**	10, 1 per card
14027	7/16"	1/4"	4-1/2"	6"	10, 1 per card
14008	1/2"	1/4"	2-3/4"	4"	10, 1 per card
14029	1/2"	3/8"	4-1/2"	6"	10, 1 per card
14049	1/2"	3/8"	11-1/2"	13**	10, 1 per card
14030	5/8"	3/8"	4-1/2"	6"	10, 1 per card
14050	5/8"	3/8"	11-1/2"	13**	10, 1 per card
14031	3/4"	3/8"	4-1/2"	6"	10, 1 per card
14051	3/4"	3/8"	11-1/2"	13**	10, 1 per card
14032	7/8"	1/2"	4-1/2"	6"	10, 1 per card
14052	7/8"	1/2"	11-1/2"	13**	10, 1 per card

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
14033	1"	1/2"	4-1/2"	6"	10, 1 per card
14053	1"	1/2"	11-1/2"	13**	10, 1 per card
504030	3.0 mm / 1/8"	3.0 mm / 1/8"	—	75 mm / 3"	10, 1 per card
504040	4.0 mm / 5/32"	4.0 mm / 5/32"	—	85 mm / 3-1/2"	10, 1 per card
504050	5.0 mm / 3/16"	5.0 mm / 3/16"	—	85 mm / 3-1/2"	10, 1 per card
504055	5.5 mm / 7/32"	5.5 mm / 7/32"	—	100 mm / 4"	10, 1 per card
504065	6.5 mm / 1/4"	6.5 mm / 1/4"	—	100 mm / 4"	10, 1 per card
504067	9.5 mm / 3/8"	9.5 mm / 3/8"	—	100 mm / 4"	10, 1 per card
504069	13.0 mm / 1/2"	13.0 mm / 1/2"	—	100 mm / 4"	10, 1 per card
504080	8.0 mm / 5/16"	8.0 mm / 5/16"	—	120 mm / 5"	10, 1 per card
504095	9.5 mm / 3/8"	6.5 mm / 1/4"	—	120 mm / 5"	10, 1 per card
504105	5.0 mm / 3/16"	5.0 mm / 3/16"	—	150 mm / 6"	10, 1 per card
504107	6.5 mm / 1/4"	6.5 mm / 1/4"	—	150 mm / 6"	10, 1 per card
504108	8.0 mm / 5/16"	9.5 mm / 3/8"	—	150 mm / 6"	10, 1 per card
504109	9.5 mm / 3/8"	6.5 mm / 1/4"	—	150 mm / 6"	10, 1 per card
504130	13.0 mm / 1/2"	6.5 mm / 1/4"	—	150 mm / 6"	10, 1 per card
504140	14.0 mm / 9/16"	9.5 mm / 3/8"	—	150 mm / 6"	10, 1 per card
504160	16.0 mm / 5/8"	9.5 mm / 3/8"	—	150 mm / 6"	10, 1 per card
504165	19.0 mm / 3/4"	13.0 mm / 1/2"	—	300 mm / 12**	10, 1 per card
504170	22.0 mm / 7/8"	13.0 mm / 1/2"	—	300 mm / 12**	10, 1 per card
504175	26.0 mm / 1"	13.0 mm / 1/2"	—	300 mm / 12**	10, 1 per card
514043	6.0 mm	6.0 mm	—	300 mm / 12**	10, 1 per card
514044	6.5 mm / 1/4"	6.5 mm / 1/4"	—	300 mm / 12**	10, 1 per card
514045	8.0 mm / 5/16"	8.0 mm / 5/16"	—	300 mm / 12**	10, 1 per card
514046	9.5 mm / 3/8"	9.5 mm / 3/8"	—	300 mm / 12**	10, 1 per card
514047	10.0 mm	10.0 mm	—	300 mm / 12**	10, 1 per card
514048	12.0 mm	12.0 mm	—	300 mm / 12**	10, 1 per card
514049	13.0 mm / 1/2"	13.0 mm / 1/2"	—	300 mm / 12**	10, 1 per card
514050	16.0 mm / 5/8"	16.0 mm / 5/8"	—	300 mm / 12**	10, 1 per card

\*Drill bits in excess of 8" should never exceed 600 RPM.



Use double flute masonry bits for drilling in brick, cinder block and tile. The double flute design drills twice as fast as standard masonry bits, and the carbide tip minimizes wear and extends the life of the bit.

- For use in corded and cordless rotary drills

### Double Flute Masonry Bit Sets

Item #	Description	Diameters
14012	5 pc. set	5/32", 3/16", 1/4", 5/16", 3/8"
1402199	14 pc. set	1/8"(3), 5/32"(2), 3/16"(3), 1/4"(3), 5/16"(1), 3/8"(1), 1/2"(1)



### Concrete Screw Drill Bits

Concrete screw drill bits feature a specially designed carbide tip that provides optimum pilot hole sizes for 3/16" and 1/4" Tapcon® concrete anchor screws.

- Special shank tang fits Tapcon® installation tools
- Fully hardened steel drill bit provides added strength and longer life

Item #	Diameter	Shank Diameter	Flute Length	Overall Length	Quantity
14375	5/32"	5/32"	3"	4-1/2"	5, 1 per card
14376	3/16"	5/32"	3"	4-1/2"	5, 1 per card
14377	3/16"	5/32"	4"	5-1/2"	5, 1 per card

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## Specialty Drill Bits Features & Selection Guide

### Specialty Drill Bit Types



**Glass & tile bits** - Smooth, accurate drilling in ceramic tile, marble tile, china, mirrors and glass.



**Step drills** - Designed for drilling a variety of perfectly sized holes with one bit. Also used for enlarging holes. Handle repetitive drilling of holes in thin gauge metal, wood, plastic and PVC. Available in titanium coated and high speed steel.



**Countersinks** - Designed to countersink, deburr and chamfer in metal, wood, and plastic. Available in titanium coated, high speed steel and tool steel.












**Screw pilots** - Fast countersinking and counterboring in one operation. Drill in wood, plastic and composition materials.



**Plug cutters** - Produce plugs for covering or hiding screws.

### Selection Guide

Bit Type	Material to Be Drilled	Application / Benefit
 Titanium step drills	Very thin materials including steel, aluminum, plastic, PVC, wood and fiberglass.	Drilling perfectly round holes, hole enlarging, drill multiple holes with one bit. Titanium coating lasts up to 6X longer than high speed steel.
 High speed steel step drills	Very thin materials including steel, aluminum, plastic, PVC, wood and fiberglass.	Drilling perfectly round holes, hole enlarging, drill multiple holes with one bit. Precision ground from premium high speed steel.
 Glass & tile bits	Ceramic tile, marble tile, china, mirrors and glass.	Smooth, accurate drilling in ceramic tile, marble tile, china, mirrors and glass. Spear-pointed tip design reduces breakout.
 Hex shank screw pilots	Wood, plastic and composition materials.	Fast countersinking and counter-boring in one operation. Hex shank for reduced slip in drill chuck.
 Standard screw pilots	Wood, plastic and composition materials.	Fast countersinking and counter-boring in one operation. Replaceable drill bit.
 Titanium counter-sinks	Iron, steel, soft metal, plastic and wood.	Countersink, deburr and chamfer. Titanium coating lasts up to 6X longer than high speed steel.
 High speed steel counter-sinks	Iron, steel, soft metal, plastic and wood.	Countersink, deburr and chamfer. 5-flute design with 82° point for smooth chamfering.
 Tool steel counter-sinks	Soft metal, plastic and wood.	Countersink, deburr and chamfer. Adjustable blade to set exact depth needed.
 Plug cutters	All types of wood.	Produces accurate holes for filling counter-bored holes. Hardened steel body for long life.

# Drill Bits

## DRILL TREE™ Step Drill Bits

### Step Drills



#### Titanium Coated Step Drills

Titanium coated step drills are designed to handle repetitive drilling in metal, wood, plastic and PVC. The titanium coating is engineered to last six times longer than standard high speed steel bits. Specially designed to automatically debur holes as it drills. A balanced double flute design minimizes chattering.

Item #	Dia.	Step Depth	Shank Dia.	# of Hole Sizes	Requires Pilot Bit	Qty.
13370	1/8" thru 1/2" in 1/32" increments	1/8"	1/4"	13	No	3, 1 per card
13371	9/16" thru 1" in 1/16" increments	1/8"	3/8"	8	Yes	3, 1 per card
13372	1/4" thru 3/4" in 1/16" increments	1/8"	3/8"	9	No	3, 1 per card
13373	7/8"	N/A	3/8"	1	No	3, 1 per card



#### High Speed Steel Step Drills

High speed steel step drills allow for drilling multiple hole sizes with one bit. Specially designed to automatically debur holes as it drills. A balanced double flute design minimizes chattering.

Item #	Dia.	Step Depth	Shank Dia.	# of Hole Sizes	Requires Pilot Bit	Qty.
13374	1/8" thru 1/2" in 1/32" increments	1/8"	1/4"	13	No	3, 1 per card
13375	9/16" thru 1" in 1/16" increments	1/8"	1/4"	8	Yes	3, 1 per card
13376	1/4" thru 3/4" in 1/16" increments	1/8"	1/4"	9	No	3, 1 per card
13377	7/8"	N/A	3/8"	1	No	3, 1 per card
13378	1/4" thru 1-3/8"	1/8"	1/4"	10	No	3, 1 per card
13379	3/16" thru 1/2" in 1/16" increments	3/8"	1/4"	6	No	3, 1 per card
13380	13/16" thru 1-3/8" in 1/16" increments	1/8"	1/4"	10	Yes	3, 1 per card

## TITANIUM™

### Countersinks



#### Titanium Coated Countersinks

Use titanium coated countersinks for countersinking, deburring and chamfering in iron, steel, soft metal, plastic, wood and other machinable materials. The rugged titanium coating provides extended bit life and will last up to six times longer than a high speed steel bit.

- Five-fluted design features an 82-degree point for smooth chamfering
- Features 1/4" shank for use in all drills

Item #	Diameter	Chamfer Angle	Quantity
16630	1/2"	82°	3, 1 per card
16631	5/8"	82°	3, 1 per card
16632	3/4"	82°	3, 1 per card



#### High Speed Steel Countersinks

High speed steel countersinks are used for countersinking, deburring and chamfering in iron, steel, plastic and wood. The five-fluted design features an 82-degree point for smooth chamfering.

- Features 1/4" shank for use in all drills

Item #	Diameter	Chamfer Angle	Quantity
16634	1/2"	82°	3, 1 per card
16636	5/8"	82°	3, 1 per card
16638	3/4"	82°	3, 1 per card



## Tool Steel Countersinks

Use tool steel countersinks for countersinking, deburring and chamfering holes in soft metal and wood.

- 16646 features an adjustable blade for setting exact depths
- Features 1/4" shank for use in all drills

Item #	Diameter	Quantity
16641	1/4"	5, 1 per card
16642	3/8"	5, 1 per card
16643	1/2"	5, 1 per card
16644	5/8"	5, 1 per card
16645	3/4"	5, 1 per card
16646	Adjustable	5, 1 per card

## Screw Pilots



### Standard Screw Pilots

Use screw pilots for drilling clean pilot holes in wood, plastic and composite materials. Screw pilots provide fast countersinking and counter-boring in one operation.

- Drill bit is replaceable

Item #	Diameter	Quantity
16606	For No. 6 wood screws	5, 1 per card
16608	For No. 8 wood screws	5, 1 per card
16610	For No. 10 wood screws	5, 1 per card
16612	For No. 12 wood screws	5, 1 per card



### Screw Pilot Sets

Item #	Contents
16615	4 pc. standard shank set includes one each of Nos. 6, 8, 10 and 12



### Hex Shank Screw Pilots

Use screw pilots for drilling clean pilot holes in wood, plastic and composite materials. Screw pilots provide fast countersinking and counter-boring in one operation.

- Drill bit is replaceable
- Hex shank fits all corded and cordless screwdrivers, drills and screwguns

Item #	Diameter	Quantity
16506	For No. 6 wood screws	5, 1 per card
16508	For No. 8 wood screws	5, 1 per card
16510	For No. 10 wood screws	5, 1 per card
16512	For No. 12 wood screws	5, 1 per card



### Screw Pilot Sets

Item #	Contents
16515	4 pc. hex shank set includes one each of Nos. 6, 8, 10 and 12

## Glass & Tile Drill Bits



Glass and tile drill bits provide smooth, accurate drilling in ceramic tile, marble, china, mirrors and glass. The spear-pointed tip design reduces breakout, and the bit features a carbide tip for extended bit life. These bits are ideal for drilling fastener holes in bathroom tile or wall mirrors.

- For use with drills that have 3/8" or larger chucks

Item #	Diameter	Overall Length	Quantity
13301	1/8"	2-1/4"	5, 1 per card
13303	3/16"	2-1/4"	5, 1 per card
13304	1/4"	2-1/4"	5, 1 per card
13305	5/16"	2-7/8"	5, 1 per card
13306	3/8"	3-3/4"	5, 1 per card
13307	1/2"	3-3/4"	5, 1 per card
13310*	4 pc. set	Various	1 set

\*13310 is a four piece set that includes 1/8", 3/16", 1/4" and 5/16" drill bits

# Drill Bits

## Plug Cutters



Use plug cutters to produce accurate plugs in any type of wood. Cutters are precision ground for fine woodworking applications. Use plugs to fill counterbored holes.

- Features 1/4" shank for use in any drill

Item #	Diameter	Quantity
16591	1/4"	3, 1 per card
16592	3/8"	3, 1 per card
16593	1/2"	3, 1 per card
16594	5/8"	3, 1 per card
16595*	3 pc. set	1 set

\*16595 is a three piece set that includes one each of 3/8", 1/2" and 5/8" plug cutters

## Drill Saws



Unique drill saw cuts irregular contours in soft metals and wood. Ideal for enlarging blind holes.

- Features 1/4" shank for use in all drills

Item #	Diameter	Quantity
16601	1/4"	5, 1 per card

## Drill Bit Extensions



### Quick Change Adapters

Easily converts any standard drill chuck into a quick change chuck. Ideal for contractors and other professionals who frequently change bits.

- For use with 1/4" hex shank drill bits and power screwdriver bits with power groove

### Quick Change Adapter Sets

Item #	Contents
14966	Set includes adapter, Phillips® #1 and #2 power bits and 6-8 and 8-10 slotted power bits
14967	Set includes adapter, Phillips® #1 and #2 power bits, 8-10 slotted power bit and 3/32", 7/64" and 1/8" hex shank drill bits

Phillips® is a registered trademark of Phillips Screw Co.



### Standard Drill Bit Extensions

Use drill bit extensions for drilling deep holes and reaching difficult work areas.

- Extend any 1/4" shank drill bit 6" to 12"
- 1/4" shank fits any drill

Item #	Overall Length	Quantity
17103	6"	5, 1 per card
17104	12"	5, 1 per card

Note: Extension and drill bit in excess of 8" should never exceed 600 RPM.



### Flexible Drill Bit Extensions

Flexible drill bit extensions are ideal for difficult, hard-to-reach drilling situations including grinding, sanding, polishing and buffing.

- Accepts tools with 1/4" shank and fits any drill
- Maximum drill diameter is 1/4", maximum grinding stone, sanding, polishing or buffing accessory is 2" in diameter

Item #	Overall Length
17106	36"

## Drill Accessories

### Angle Drives

Great for drilling or other hole making in tight spaces. Reversible for 2X speed or 1/2 speed drilling. Adjustable handle fits on either side of the tool. Right angle drive for buffing, sanding and right angle drilling.



- Halves or doubles drilling speed
- Handle is adjustable; fits on either side of tool
- Fits 3/8"-24 and 1/2"-20 drills
- 17172 comes with 2-3/8"-24 thread chuck and chuck key

Item #	Description
17171	Angle drive
17172	Angle drive w/ chuck & chuck key







## Dowel Kit

Contains everything needed to create dowels, including brad point drill bit, drill stop, four dowel centers and 20 wood dowels.

Item #	Description
17164	Dowel kit with 1/4" brad point bit, 1/4" dowel centers and 20 dowels
17165	Dowel kit with 5/16" brad point bit, 5/16" dowel centers and 20 dowels
17166	Dowel kit with 3/8" brad point bit, 3/8" dowel centers and 20 dowels
17168	Dowel kit with 1/2" brad point bit, 1/2" dowel centers and 20 dowels



## Dowel Centers

Create center point for drilling dowels.

Item #	Size	Quantity
17137	1/4"	6
17138	5/16"	6
17139	3/8"	6



## Drill Indexes

Rugged steel boxes with hinged indexes have bit sizes clearly marked.

- Bits not included
- 10166 is a drill bit stand that doubles as a handy gauge for sizing bits

Item #	Description
10154	Holds 13 drill bits in sizes 1/16" through 1/4" in 1/64" increments
10161	Holds 29 drill bits in sizes 1/16" through 1/2" in 1/64" increments
10166	Holds 30 drill bits in sizes 1/16" through 1/2" in 1/64" increments



## Drill Chucks, Keys & Accessories

Variety of chucks, keys and accessories designed to fit all popular drills.

Item #	Item	Description	Quantity
14901	Chuck key	1/4" chuck key with 5/32" pilot	5, 1 per package
14904	Chuck key	1/4" chuck key with 13/64" pilot	5, 1 per package
14907	Chuck key	1/4" and 3/8" chuck key with 1/4" pilot	5, 1 per package
14909	Chuck key	1/4" and 3/8" chuck key with 13/64" pilot	5, 1 per package
14915	Chuck key	3/8" cordless chuck key with 1/4" pilot	5, 1 per package
14916	Chuck key	3/8" cordless bent "L" chuck key with 1/4" pilot	5, 1 per package
14917	Chuck key	3/8" Makita chuck key	5, 1 per package
14919	Chuck key	3/8" chuck key with 15/64" pilot	5, 1 per package
14920	Chuck key	3/8" and 1/2" chuck key with 9/32" pilot	5, 1 per package
14923	Chuck key	1/2" chuck key with 1/4" pilot	5, 1 per package
14926	Chuck key	1/2" chuck key with 11/32" pilot	5, 1 per package
14927	Chuck key	1/2" Makita chuck key	5, 1 per package
14929	Chuck key	Attaches chuck key to drill cord holder	5, 1 per package
14932	Chuck key	3/8"-1/2" chuck key with K2 style 1/4" pilot	5, 1 per package
14933	Chuck key	1/4" chuck key with K7 style 7/32" pilot	5, 1 per package
14935	Keyless drill chuck	1/4" chuck with 3/8"-24 thread spindle	10, 1 per card
14951	Drill chuck	1/4" chuck with 3/8"-24 thread spindle and 1/4" chuck key with 1/4" pilot	10, 1 per card
14953	Drill chuck	3/8" chuck with 3/8"-24 thread spindle and 1/4" chuck key with 1/4" pilot	10, 1 per card
14955	Drill chuck	1/2" chuck with 3/8"-24 thread spindle and 3/8"-1/2" chuck key with 9/32" pilot	10, 1 per card
14957	Drill chuck	1/2" chuck with 1/2"-20 thread spindle and 3/8"-1/2" chuck key with 9/32" pilot	10, 1 per card
17108	Drill chuck arbor	1/4" shank with 1/2" threaded arbor	5, 1 per package

# Drill Bits



## Doweling Jig

For drilling accurate holes in wood. Doweling jig quickly centers holes for 1/4", 5/16" and 3/8" dowels.

Item #	Description	Quantity
17188	For 1/4", 5/16" and 3/8" dowels	5, 1 per pack



## Threaded Arbor Shaft

Item #	Description	Quantity
16810	Threaded arbor shaft	5, 1 kit per package



## Nail Spinner

Nail spinners eliminate wood trim splitting.

- For spinning 4, 6, 8 and 10 penny finishing nails into hardwood
- 1/4" shank fits all drills

Item #	Shank Diameter	Quantity
16621	1/4"	5, 1 per card



## Pocket Hole Jig

Great for drilling pocket holes in wood. Centering holes allow for perfectly placed pilot holes every time.

Item #	Diameter	Quantity
17184	For 3/8" bits	1 per pack



## Paint Blender

Attaches to any drill for fast, thorough mixing of paint and other liquids.

- 1/4" shank fits all drills

Item #	Shank Diameter	Quantity
17102	1/4"	10, 1 per card



## Drill Stops

Drill attachments for drilling exact depths.

Drill Stops Set		
Item #	Description	Quantity
16550	4 pc. set includes 1/4", 5/16", 3/8" and 1/2" drill stops	6, 4 per card

Note: Do not run freely. Use GFCI protected power source when mixing liquids.



# SCREWDRIVER BITS



**IceBit®**



**Extra Hard**



**Specialty**



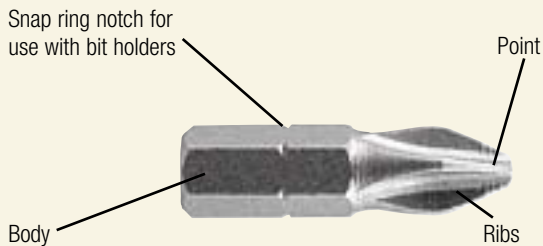
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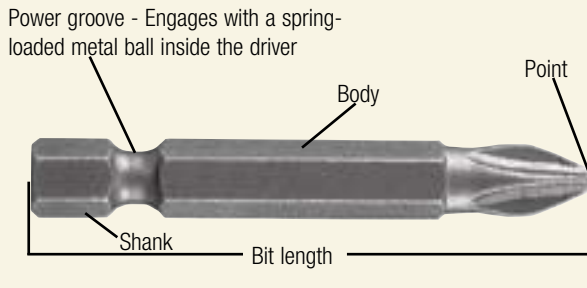
# Screwdriver Bits

## Screwdriver Systems Features & Terminology

### Bit Types



**Insert Bits** - Compact bits that are economical, change over quickly and require less storage space. They are used with a bit holder.



**Power Bits** - Fit directly into the power tool or quick change chuck for improved concentricity and easier clearance. They are typically available up to 6" in length.

### Vermont American Screwdriver Bits

#### ICEBIT® Screwdriver Bits:

The ribbed tips increase gripping power and reduces slippage (on applicable bits). **Specially designed for professional performance in all types of applications.**

#### DECKSTER™ Screwdriver Bits:

The DECKSTER™ bit system contains a special "Torsion Zone" that reduces bit fracture. Ribbed tips increase gripping power and reduce slippage (on applicable bits). **Specifically designed for decking and drywall applications.**

#### EXTRA-HARD Screwdriver Bits:

Extra-hard bits are fully hardened and tempered for long life under constant, heavy-duty use. Precision formed tips allow for proper fit. **For all general purpose driving applications.**

All of our screwdriver bits are manufactured from highest quality S2 tool steel.

Vermont American offers screwdriver bits for the types of screws listed below:



Phillips®



Slotted



Torx®



Security Torx®



Clutch



Pozidriv®

### Questions

#### Are your screwdriver bits milled or forged?

Vermont American's manufacturing facilities are capable of producing both milled and forged bits. We select which method to use depending on the application the bit will be used for, as well as other criteria. For example, a forged bit may be produced when product life, performance, prompt delivery and better production control are important, while a milled bit might be produced for more intricate geometries and special configurations.

#### Why is the heat-treat / hardening process important for screwdriver bits?

Most of our bits are tempered to "extra-hard" status, which is best for general purpose applications such as wood, drywall, etc.

#### What is the difference between bits with and without ribs?

When driving certain types of screws (mainly Phillips® and slotted), high torque requirements can cause the bit to slip out of the screw head. For this reason, our IceBit® screwdriver bits offer ribs. This tip design increases the gripping power between the bit and the screw head, which means less force is required to drive the screw. It can also prevent damage to the workpiece, which can occur if the bit slips out of the screw.

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Torx® is a registered trademark of Textron Inc.



## Screwdriving Bits

**ICEBIT** Ice-Bit® Heat Treated for Extended Life

Drives up to  
**10X**  
More  
Screws  
than  
standard  
bits



### Standard 1/4" Shank

- Fits standard quick-change drivers
- Flatted shanks for better grip in standard drill chucks

### Heat Treated

- Heat-treated for longer bit life

### Ribbed Tip

- Increased gripping power
- Helps reduce cam-out (on select Phillips and Slotted styles)

## Icebit® Screwdriver Bits



### Icebit® Power Bits

Icebit® power bits are constructed of hardened steel for longer bit life and resistance to tip wear. The ribbed tip increases gripping power and reduces slippage.

- Universal 1/4" hex shank with power groove



### Icebit® Double-ended Bits

Two popular tip configurations on one bit. The ribbed tip increases gripping power and reduces slippage.

- Universal 1/4" hex shank

Item #	Type	Size	Bit Length	Quantity
16431	Phillips®	#1	1-15/16"	5, 1 per card
15880	Phillips®	#1	1-15/16"	10 in box
16321	Phillips®	#1	3-1/2"	5, 1 per card
15884	Phillips®	#1	3-1/2"	10 in box
16341	Phillips®	#1	6"	5, 1 per card
16432	Phillips®	#2	1-15/16"	5, 1 per card
16402	Phillips®	#2	1-15/16"	5 pack
16406	Phillips®	#2	1-15/16"	6 pieces in bag
15881	Phillips®	#2	1-15/16"	25 in box
16322	Phillips®	#2	3-1/2"	5, 1 per card
15885	Phillips®	#2	3-1/2"	10 in box
16342	Phillips®	#2	6"	5, 1 per card
16433	Phillips®	#3	1-15/16"	5, 1 per card
16441	Slotted	6-8	1-15/16"	5, 1 per card
15882	Slotted	6-8	1-15/16"	10 in box
16324	Slotted	6-8	3-1/2"	5, 1 per card
16442	Slotted	8-10	1-15/16"	5, 1 per card
15883	Slotted	8-10	1-15/16"	10 in box
16325	Slotted	8-10	3-1/2"	5, 1 per card
16443	Slotted	10-12	1-15/16"	5, 1 per card
16310	Square recess	#1	1-15/16"	5, 1 per card
16311	Square recess	#2	1-15/16"	5, 1 per card
16312	Square recess	#3	1-15/16"	5, 1 per card

Item #	Type	Size	Bit Length	Quantity
16470	#1 & 6-8	Phillips® & slotted	1-7/8"	5, 1 per card
15886	#1 & 6-8	Phillips® & slotted	1-7/8"	10 in box
16471	#2 & 8-10	Phillips® & slotted	1-7/8"	5, 1 per card
15887	#2 & 8-10	Phillips® & slotted	1-7/8"	10 in box
16472	#3 & 10-12	Phillips® & slotted	1-7/8"	5, 1 per card
16475	#1 & 6-8	Phillips® & slotted	3-1/2"	5, 1 per card
16483	#1 & 6-8	Phillips® & slotted	3-1/2"	5, 1 per card
16473	#1 & #2	Square recess	1-7/8"	5, 1 per card
16221	#2	Phillips®	1-3/4"	100 in bag

Phillips® is a registered trademark of Phillips Screw Co.



# Screwdriver Bits

## Icebit® Screwdriver Bits



### Icebit® Insert Bits

Icebit® insert bits are constructed of hardened steel for longer bit life and resistance to tip wear. The ribbed tip increases gripping power and reduces slippage.

- Universal 1/4" hex shank for use with any magnetic bit holder

Item #	Type	Size	Bit Length	Quantity
16421	Phillips®	#1	1"	5, 2 per card
16372	Phillips®	#2	1"	5, 2 per card
16422	Phillips®	#2	1"	5, 2 per card
16404	Phillips®	#2	1"	5 pack
16374	Phillips® drywall	#2	1"	5 pack
16492	Phillips® drywall	#2	1"	5 pack
16494	Phillips®	#2	1"	3, 10 per pack
16423	Phillips®	#3	1"	5, 2 per card
16424	Slotted	6-8	1"	5, 2 per card
16425	Slotted	8-10	1"	5, 2 per card
16426	Slotted	10-12	1"	5, 2 per card
16377	Square recess	#1	1"	5, 2 per card
16378	Square recess	#2	1"	5, 2 per card
16379	Square recess	#3	1"	5, 2 per card
16387	Pozidriv®	#1	1"	5, 1 per card
16388	Pozidriv®	#2	1"	5, 1 per card
16389	Pozidriv®	#3	1"	5, 1 per card
16390	Torx®	TX10 & TX15	1"	5, 2 per card
16391	Torx®	TX20 & TX25	1"	5, 2 per card
16392	Torx®	TX30 & TX40	1"	5, 2 per card
15330	Allen®	5/64"	1"	5, 1 per card

## Icebit® Screwdriver Bit Sets



The ribbed tip increases gripping power and reduces slippage.

- Insert bits feature universal 1/4" hex shank for use with any magnetic bit holder
- Power bits feature universal 1/4" hex shank with power groove
- Complete range of styles and sizes for practically every fastening need

### Icebit® Screwdriver Bit Sets

Item #	Description	Type	Bit Length	Contents	Quantity
16329	4 pc. assorted set	Phillips® & slotted	3-1/2"	Phillips® #1 & #2; & 6-8 & 8-10 slotted power bits	3, 1 set per card
16395	7 pc. Spin-A-Bit®	Phillips® & slotted	1"	Bit holder with 6 assorted insert bits	1 set
16449	6 pc. assorted set	Phillips® & slotted	1-5/16"	Phillips® #1, #2 & #3; & 6-8, 8-10 & 10-12 slotted	1 set
16452	7 pc. assorted set	Phillips® & slotted	1-5/16"	Phillips® #1 & #2; 6-8 & 8-10 slotted; & 3/32", 1/8", & 5/32" hex shank drill bits	1 set
16453	12 pc. assorted set	Phillips®, slotted & sockets	1-5/16"	Phillips® #1, #2 & #3; 5-6, 6-8, 8-10, & 10-12 slotted; 3/16", 1/4", 5/16" & 3/8" sockets; & 2" socket adapter	1 set
16458	10 pc. Tic-Tac carded	Phillips®	1"	Phillips® #2	10, 1 card box
16481	2 pc. double-ended assorted set	Phillips® & slotted	1-5/16"	Phillips® #1 / 6-8 slotted & Phillips® #2 / 8-10 slotted	3, 1 set per card
16482	3 pc. double-ended assorted set	Phillips® & slotted	1-5/16"	Phillips® #1 / 6-8 slotted; Phillips® #2 / 8-10 slotted; & Phillips® #3 / 10-12 slotted	3, 1 set per card
16484	2 pc. double-ended assorted set	Phillips® & slotted	3-1/2"	Phillips® #1 / 6-8 slotted & Phillips® #2 / 8-10 slotted	3, 1 set per card
16485	7 pc. bit & flex holder set	Phillips® & slotted	1"	Flexible bit holder with 6 insert bits	1 set
16486	10 pc. bit & flex holder set	Phillips® & slotted	1"	Flexible bit holder with 9 insert bits	1 set
3416459	10 pc. Tic-Tac box	Phillips®	1"	10 P2 insert bits	10, 24 per box

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Torx® is a registered trademark of Textron Inc.



## Deckster™ Screwdriver Bits



### Deckster™ Power Bits

Specifically designed for decking and drywall applications. Deckster™ power bits feature a special torsion zone that reduces bit fracture. The ribbed tip increases gripping power and reduces slippage.

- Universal 1/4" hex shank with power groove

Item #	Type	Size	Bit Length	Quantity
16055	Phillips®	#2	1-15/16"	5, 1 per card
16045	Phillips®	#2	1-15/16"	25 in box
16065	Phillips®	#2	1-15/16" & 3-1/2"	3, 2 per card
16058	Phillips®	#2	3-1/2"	5, 1 per card
16048	Phillips®	#2	3-1/2"	10 in box
16056	Phillips®	#3	1-15/16"	5, 1 per card
16057	Square recess	#2	1-15/16"	5, 1 per card
16047	Square recess	#2	1-15/16"	10 in box



### Deckster™ Insert Bits

Specifically designed for decking and drywall applications. Deckster™ insert bits feature a special torsion zone that reduces bit fracture. The ribbed tip increases gripping power and reduces slippage.

- Universal 1/4" hex shank for use with any magnetic bit holder

Item #	Type	Size	Bit Length	Quantity
16060	Phillips®	#2	1"	5, 1 per card
16077	Phillips®	#2	1"	3, 10 per pack
16050	Phillips®	#2	1"	25 in box

## Deckster™ Screwdriver Bit Sets



Specifically designed for decking and drywall applications. Deckster power bits feature a special torsion zone that reduces bit fracture. The ribbed tip increases gripping power and reduces slippage.

- Universal 1/4" hex shank with power groove

### Deckster™ Screwdriver Bit Sets

Item #	Type	Bit Length	Description	# of Pieces	Quantity
16076	Phillips®	1-15/16"	Five #2 Phillips® power bits, screw guide & 1/8" drill bit	7	1 set
16078	Square recess	1-15/16"	Three #2 square recess power bits & screw guide	4	3, 1 set per card



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# Screwdriver Bits

## Dimpler® Drywall Drivers



Dimpler® drywall drivers are preset to drive screws to the perfect depth and feature an automatic clutch release to eliminate drywall tear-out.

- Reversible: while chucked, push in, then turn to lock for reverse feature
- Magnetic insert holds screws for accuracy and speed in driving
- Universal 1/4" hex shank with power groove

Item #	Type	Quantity
16627	Phillips®	3, 1 per card

## Drywall Screw Setters



Automatically countersink screws to the proper depth in drywall.

- Universal 1/4" hex shank

Item #	Type	Contents	Quantity
16620	Phillips®	4 drywall drivers & magnetic bit holder	3, 1 set per card
16622	Phillips®	1 drywall driver	5, 1 per card

## Extra-hard Screwdriver Bits



### Extra-hard Power Bits

Extra-hard power bits are fully hardened and tempered for extended life under constant heavy-duty use. Bit tip is precision formed for proper fit.

- Universal 1/4" hex shank with power groove

Item #	Type	Size	Bit Length	Quantity
15051	Phillips®	#1	1-5/16"	5, 1 per card
15052	Phillips®	#2	1-5/16"	5, 1 per card
16074	Phillips®	#2	1-5/16"	5, 1 per card
15002	Phillips®	#2	1-5/16"	5 pack
16092	Phillips®	#2	6"	5, 1 per card
16027	Phillips®	#2	6"	3 pack
15053	Phillips®	#3	1-5/16"	5, 1 per card
16073	Phillips®	#3	1-5/16"	5, 1 per card
15070	Slotted	5-6	1-5/16"	5, 1 per card
15071	Slotted	6-8	1-5/16"	5, 1 per card
15066	Slotted w/ finder	6-8	1-5/16"	5, 1 per card
15072	Slotted	8-10	1-5/16"	5, 1 per card
15067	Slotted w/ finder	8-10	1-5/16"	5, 1 per card
15073	Slotted	10-12	1-5/16"	5, 1 per card
15068	Slotted w/ finder	10-12	1-5/16"	5, 1 per card
15074	Slotted	12-14	1-5/16"	5, 1 per card
15076	Square recess	#1	1-5/16"	5, 1 per card
15077	Square recess	#2	1-5/16"	5, 1 per card
15078	Square recess	#3	1-5/16"	5, 1 per card
80365	Torx®	TX15	1-15/16"	5, 1 per card
16093	Torx®	TX15	6"	5, 1 per card
80370	Torx®	TX20	1-15/16"	5, 1 per card
80375	Torx®	TX25	1-15/16"	5, 1 per card
80380	Torx®	TX30	1-15/16"	5, 1 per card
15090	Clutch	5/32"	6"	5, 1 per card
16184	Phillips®-square drive	PSD#2	2"	5, 2 per card



### Extra-hard Double-ended Bits

Two popular tip configurations on one bit. Extra-hard bits are fully hardened and tempered for long life under constant heavy-duty use. The precision formed tip ensures a proper fit.

- Universal 1/4" hex shank

Item #	Type	Size	Bit Length	Quantity
16259	Phillips® & slotted	#1 & 6-8	1-1/2"	5, 1 per card
16260	Phillips® & slotted	#2 & 3-4	1-1/2"	5, 1 per card
16261	Phillips® & slotted	#3 & 10-12	1-1/2"	5, 1 per card
16270	Phillips®	#2	1-3/4"	5, 1 per card
16221	Phillips®	#2	1-3/4"	100 in bag
16274	Phillips®	#2	1-1/2"	5, 1 per card
16251	Torx®	TX15 & TX20	1-1/2"	5, 1 per card
16201	Torx®	TX15 & TX20	1-1/2"	100 in bag
16252	Torx®	TX25 & TX30	1-1/2"	5, 1 per card
16253	Torx®	TX10 & TX27	1-1/2"	5, 1 per card

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Torx® is a registered trademark of Textron Inc.





## Extra-hard Screwdriver Bits



### Extra-hard Insert Bits

Extra-hard insert bits are fully hardened and tempered for extended life under constant heavy-duty use. Bit tip is precision formed for proper fit.

- Universal 1/4" hex shank for use with any magnetic bit holder

Item #	Type	Size	Bit Length	Quantity
15305	Phillips®	#1	1"	5, 2 per card
15306	Phillips®	#2	1"	5, 2 per card
15202	Phillips®	#2	1"	25 pack
15868	Phillips®	#2	1"	10, 25 per pack
15869	Phillips®	#2	1"	25, 25 per pack
15262	Phillips® drywall	#2	1"	25 pack
15867	Phillips® drywall	#2	1"	25 in box
15307	Phillips®	#3	1"	5, 2 per card
15870	Phillips®	#3	1"	10, 10 per pack
15320	Slotted	3-4	1"	5, 2 per card
15321	Slotted	6-8	1"	5, 2 per card
15871	Slotted	6-8	1"	10, 10 per pack
15322	Slotted	8-10	1"	5, 2 per card
15872	Slotted	8-10	1"	10, 10 per pack
15323	Slotted	10-12	1"	5, 2 per card
15873	Slotted	10-12	1"	10, 10 per pack
15338	Square recess	#1	1"	5, 2 per card
15875	Square recess	#1	1"	10, 10 per pack
15339	Square recess	#2	1"	5, 2 per card
15876	Square recess	#2	1"	10, 10 per pack
15340	Square recess	#3	1"	5, 2 per card
15342	Clutch	5/32"	1"	5, 2 per card
15874	Clutch	5/32"	1"	10, 10 per pack
15343	Clutch	3/16"	1"	5, 2 per card
15349	Security Torx®	TX7	1"	5, 1 per card
15350	Security Torx®	TX8	1"	5, 1 per card
15351	Security Torx®	TX9	1"	5, 1 per card
15352	Security Torx®	TX10	1"	5, 1 per card
15353	Security Torx®	TX15	1"	5, 1 per card
15877	Security Torx®	TX15	1"	10, 10 per pack
15354	Security Torx®	TX20	1"	5, 1 per card
15878	Security Torx®	TX20	1"	10, 10 per pack
15355	Security Torx®	TX25	1"	5, 1 per card
15356	Security Torx®	TX27	1"	5, 1 per card
15357	Security Torx®	TX30	1"	5, 1 per card
15358	Security Torx®	TX40	1"	5, 1 per card
15401	Torx®	TX8	1"	5, 2 per card
15402	Torx®	TX9	1"	5, 2 per card
15403	Torx®	TX10	1"	5, 2 per card
15404	Torx®	TX15	1"	5, 2 per card
15405	Torx®	TX20	1"	5, 2 per card
15406	Torx®	TX25	1"	5, 2 per card
15407	Torx®	TX27	1"	5, 2 per card
15408	Torx®	TX30	1"	5, 2 per card
15409	Torx®	TX40	1"	5, 2 per card
15440	Spanner	#6	1"	5, 1 per card
16180	Phillips® square drive	PSD#2	1"	5, 2 per card

## Screwdriving Products - Bulk Bits



Item #	Description	Quantity
85014	1" #2 Phillips® Drywall Icebit® - 500 pc.	1
85020	2" #2 Phillips® Icebit® - 250 pc.	1
85019	1" #2 Phillips® Deckster™ bit - 250 pc.	1
85018	2" #2 Phillips® Deckster™ bit - 250 pc.	1
04336	1" #2 Phillips® bit - 250 pc.	1
04337	1" #2 Phillips® bit - 500 pc.	1
04339	1" #2 Phillips® Drywall bit - 250 pc.	1
04340	1" #2 Phillips® Drywall bit - 500 pc.	1
04342	1" #2 Square recess bit - 250 pc.	1
04343	1" #2 Square recess bit - 500 pc.	1
04345	2" #2 Phillips® bit - 100 pc.	1
04346	2" #2 Square recess bit - 100 pc.	1
85021	3.5" #2 Phillips® bit - 100 pc.	1
85010	#2 Phillips® double ended - 150 pc.	1
85022	1/4" Magnetic nutsetter - 50 pc.	1
04347	1/4" Magnetic nutsetter - 100 pc.	1
85023	5/16" Magnetic nutsetter - 50 pc.	1
04348	2" Magnetic bit holder - 100 pc.	1

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Torx® is a registered trademark of Textron Inc.



# Screwdriver Bits

## Extra-hard Screwdriver Bit Sets



Extra-hard power and insert bits are fully hardened and tempered for long life under constant heavy-duty use. The precision formed tip ensures a proper fit.

- Power bits feature universal 1/4" hex shank with power groove
- Insert bits feature universal 1/4" hex shank for use in any magnetic bit holder
- Sets below provide a full range of styles and sizes to meet almost every fastening need

### Extra-hard Screwdriver Bit Sets

Item #	Description	Type	Bit Length	Contents	Quantity
15098	6 pc. assorted power bit set	Phillips® & slotted	1-15/16"	Phillips® #1, #2 & #3; 6-8 & 10-12 slotted; & 1/4" socket adapter	1 set
15487	7 pc. multi bit pocket driver	Phillips® & slotted	1"	Phillips® #1, #2 & #3; 6-8, 8-10 & 10-12 slotted; & magnetic bit holder	1 set
15570	12 pc. assorted power bit set	Phillips®, slotted & hex head	1-15/16"	Phillips® #1, #2 & #3; 5-6, 6-8, 8-10 & 10-12 slotted; 1/4" square drive socket adapter; & 3/16", 1/4", 5/16" & 3/8" sockets	1 set
15571	19 pc. assorted power bit set	Phillips®, slotted, Torx®, clutch & hex head	1-15/16"	Phillips® #1, #2 & #3; 6-8, 8-10, & 10-12 slotted; Torx® TX15 & TX20; square recess #1 & #2; 5/32" clutch; 1/4" square drive socket adapter; 3/16", 1/4", 5/16", 3/8" & 7/16" sockets; bit finder; & 1/8" hex shank drill bit	1 set
15587	7 pc. Spin-A-Bit® set	Phillips® & slotted	1"	Phillips® #1, #2 & #3; 3-4, 6-8, 8-10 slotted; & magnetic bit holder	1 set
15591	7 pc. insert bit & bit holder set	Phillips® & slotted	1"	Phillips® #1 & #2; 6-8, 8-10 & 10-12 slotted; 1/4" square drive socket adapter; & magnetic bit holder	1 set
15596	7 pc. insert bit set	Allen®	1"	5/64", 3/32", 7/64", 1/8", 9/64", 5/32" & 3/16" Allen®	3, 1 set per card
15597	6 pc. insert bit set	Torx®	1"	Torx® TX10, TX15, TX20, TX25, TX27 & TX30	3, 1 set per card
15598	8 pc. insert bit set	Torx®	1"	Torx® TX10, TX15, TX20, TX25, TX27, TX30, TX40 & 1/4" square to 1/4" hex bit adapter	3, 1 set per card
15599	11 pc. insert bit set	Torx®	1"	Torx® TX10, TX15, TX20, TX25, TX27, TX29, TX30, TX40, TX45, TX50; 3/8" socket adapter; & 1/4" square to 1/4" hex bit adapter	3, 1 set per card
15692	17 pc. most popular insert bit set	Assorted	1"	Phillips®, slotted, square recess, clutch & Torx® screws & magnetic bit holder	1 set
15693	33 pc. master insert bit set	Assorted	1"	Allen®, Phillips®, slotted, square recess, clutch & Torx® screws & magnetic bit holder	1 set
16289	3 pc. assorted double-ended bit set	Phillips®, slotted & Torx®	1-15/16"	Phillips® #1 / 6-8 slotted; Phillips® #2 / 3-4 slotted; & Torx® TX15 / TX20	3, 1 set per card
16290	6 pc. assorted double-ended bit set	Phillips®, slotted & Torx®	1-15/16"	Phillips® #1 / 6-8 slotted; Phillips® #2 / 3-4 slotted; Phillips® #3 / 10-12 slotted; Torx® TX15 / TX20, TX10 / TX27 & TX25 / TX30	3, 1 set per card
16021	21 pc. power screwdriving set	Phillips®, slotted, Torx®, square recess & Allen®	1"	Phillips® #1, #2 (2 bits), #3; 6-8, 8-10, 10-12 slotted; square recess #1, #2, #3; Torx® TX15, TX20, TX25; nutsetter sizes 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" & 7/16"; & one magnetic bit holder	1 set
16459	P2 Tic-Tac	Phillips®	1"	Phillips® #2	24, 15 per pack
04015	R2 Tic-Tac	Square	1"	Square #2	24, 15 per pack

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Phillips® is a registered trademark of Phillips Screw Co.  
Torx® is a registered trademark of Textron Inc.



## Screwdriver Bit Assortments



A complete range of styles and sizes for almost every fastening need. These screwdriver bit assortments are the perfect complement for any electric drill or power screwdriver. All bits are fully hardened and tempered for long life under constant, heavy-duty use.

- 15661 is a 26 piece magnetic bit and socket set in plastic carrying case that includes the following: 7" multi-bit magnetic screwdriver; 90° offset socket adapter; bit adapter; socket adapter; magnetic bit holder; seven 1/4" square drive sockets in sizes 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16"; and 14 insert bits in sizes Phillips® #1, #2, #3, slotted 3-4, 6-8, 8-10 and 10-12, and Allen® 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16"
- 15568 is a 29 piece magnetic master screwdriver set in plastic carrying case and includes the following: 7" multi-bit magnetic screwdriver; magnetic bit holder that fits all variable-speed drills; 1/4" square drive insert bit adapter; and 26 insert bits in sizes Phillips® #1, #2, #3, slotted 3-4, 6-8, 8-10, and 10-12, Torx® TX10, TX15, TX20, TX25, TX27, TX30 and TX40, square recess #1, #2 and #3, clutch 5/32" and 3/16", and Allen® 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16"
- 15681 is a 9 piece bit set with bandolier strap that includes the following items: eight insert bits in sizes Phillips® #1, #2 and #3, slotted 6-8, 8-10, 10-12 and 12-14, and 2-1/8" magnetic bit holder
- 15684 is a 9 piece bit and nutdriver set with bandolier strap that includes the following items: Insert bits in sizes Phillips® #1, #2 and #3, slotted 6-8, 8-10 and 10-12, and 1/4", 5/16" and 3/8" nutdrivers
- 16480 is a 10 piece double-ended bit and nutdriver set in a plastic case that contains the following: Phillips® #1 / 6-8 slotted, Phillips® #2 / 8-10 slotted, and Phillips® #3 / 10-12 slotted double-ended bits, and 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16" nutdrivers

### Screwdriver Bit Assortment Sets

Item #	Description
15561	29 pc. magnetic bit & socket set
15568	29 pc. magnetic master screwdriver set
15681	9 pc. bit set with bandolier strap
15684	9 pc. bit & nutdriver set with bandolier strap
16480	10 pc. double end bit & nutdriver set with case

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Torx® is a registered trademark of Textron Inc.

## Hand Driver Sets



Use one screwdriver for many jobs with these hand driver sets. The high-impact acetate handle features a comfortable grip and compartment for bit storage.

- 15493 is a 7 piece RV and mobile home magnetic screwdriver set containing the following: Square recess #1 and #2, 5/32" clutch, Phillips® #2 and 6-8 slotted insert bits with hand driver
- 15496 is a 4-in-1 multi-bit screwdriver set that includes Phillips® #1 / 6-8 slotted and Phillips® #2 / 3-4 slotted double-ended bits
- 15511 is a magnetic screwdriver set for Torx® screws that contains insert bits TX10, TX15, TX20, TX25 and TX30
- 15518 is an 11" all-purpose multi-bit magnetic screwdriver set that includes hand driver with 3-4 and 6-8 slotted and Phillips® #1 and #2 insert bits

### Hand Driver Sets

Item #	Description	Quantity
15493	7 pc. RV & mobile home magnetic screwdriver set	3, 1 set per card
15496	4-in-1 multi-bit screwdriving set	12 pack
15511	All purpose multi-bit magnetic screwdriver set	3, 1 set per card
15516	Magnetic screwdriver set for Torx® type screws	3, 1 set per card
15518	All purpose 11" multi-bit magnetic screwdriver set	3, 1 set per card

# Screwdriver Bits

## Drive Guides



The easiest way to start and drive a screw. The outer sleeve slides over the screw and keeps it straight while driving. A magnetic shaft holds bits securely and allows for quick and easy bit changes.

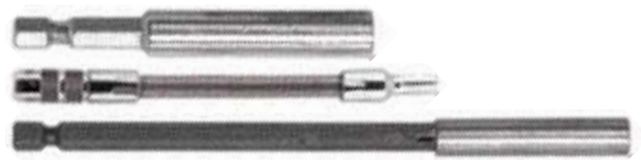
- Accommodates any 1/4" hex insert bit
- Drive guide features universal 1/4" hex shank with power groove

Item #	Description	Quantity
16650	ScrewBoss™ hinge #6	5, 1 per card
16651	ScrewBoss™ hinge #8	5, 1 per card
16162	2-7/8" Super Mag bit holder	5, 1 per card

## Drive Guides Sets

Item #	Description	Quantity
16034	ScrewBoss™ -Clear with 2 insert bits	10, 1 set per card
16035	ScrewBoss™ -Compact with 2 insert bits	10, 1 set per card
16062	Standard ScrewBoss™ with 3 insert bits	10, 1 set per card
16647	3 pc. set - replacement drill bits	5, 1 set per card
16652	3 pc. ScrewBoss™ hinge bit set	5, 1 per card
16653	ScrewBoss™ -Clear with 2 insert bits	1 set

## Magnetic Bit Holders



Use magnetic bit holders with insert bits to convert any variable-speed drill into a power screwdriver. The magnetic shaft holds the bit securely while allowing for quick and easy bit changes.

- Universal 1/4" hex shank with power groove
- Can be used with any 1/4" hex insert bit
- Rugged single-piece construction provides long life under constant use

## Magnetic Bit Holders (continued)

Item #	Length	Description	Quantity
15476	2-1/8"	Magnetic bit holder	5, 1 per card
15468	2-7/8"	Magnetic bit holder	3, 1 per card
16032	2-7/8"	Magnetic bit holder	3 in box
15890	2-7/8"	Magnetic bit holder	5 in box
15891	3"	Magnetic bit holder	2 in bag
15482	5-3/4"	Flexible bit holder	3, 1 per card
15477	6"	Magnetic bit holder	5, 1 per card
15483	11"	Flexible bit holder	3, 1 per card
15484	11"	Magnetic bit holder	3, 1 per card

## Non-magnetic Nutsetters



Ideal for fast, easy driving of nuts, bolts and hex head screws. Rugged single-piece construction provides long life under constant use. The precision formed tip ensures a proper fit.

- Universal 1/4" hex shank with power groove
- 15178 is a three piece set with 1/4", 5/16" and 3/8" nutsetters
- 15524 is an eight piece set with 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16" nutsetters and includes sockets and socket adapter
- 15526 is a seven piece set with 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16" nutsetters

Item #	Screw Head Size	Length	Quantity
15171	1/4"	1-5/8"	5, 1 per card
15172	5/16"	1-5/8"	5, 1 per card
15173	3/8"	1-3/4"	5, 1 per card

## Non-magnetic Nutsetter Sets

Item #	Screw Head Size	Length	Quantity
15178	3 pc. set	Various	3, 1 set per card
15524	8 pc. set	Various	3, 1 set per card
15526	7 pc. set	Various	1 set

## Magnetic Nutsetters



Ideal for fast, easy driving of nuts, bolts and hex head screws. Rugged single-piece construction provides long life under constant use. The precision formed tip ensures a proper fit.

- Magnetic shaft holds fastener securely
- Universal 1/4" hex shank with power groove
- 15118 is a three piece set

Item #	Screw Head Size	Length	Quantity
15111	1/4"	1-5/8"	5, 1 per card
15105	1/4"	1-5/8"	2 in bag
15101	1/4"	1-5/8"	5 in box
15888	1/4"	1-5/8"	10, 25 in box
15114	1/4"	2-9/16"	5, 1 per card
15120	1/4"	2-9/16"	5 in box
15112	5/16"	1-5/8"	5, 1 per card
15102	5/16"	1-5/8"	5 in box
15115	5/16"	2-9/16"	5, 1 per card
15121	5/16"	2-9/16"	5 in box
15889	5/16"	2-9/16"	5 in box
15113	3/8"	1-5/8"	5, 1 per card
15103	3/8"	1-5/8"	5 in box
15116	3/8"	2-9/16"	5, 1 per card
15122	3/8"	2-9/16"	5 in box
15117	7/16"	2-9/16"	5, 1 per card

### Magnetic Nutsetter Set

Item #	Screw Head Size	Length	Quantity
15118	1/4", 5/16" & 3/8"	Various	3, 1 set per card

## Specialty Nutsetters



Ideal for fast, easy driving of nuts, bolts and hex head screws. The non-magnetic chip ring holds the fastener securely without causing chip build-up. Rugged, single piece construction provides long life under constant heavy-duty use, and the precision formed tip ensures a proper fit.

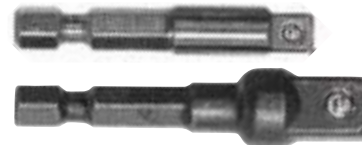
- Universal 1/4" hex shank with power groove
- 16081 is a three piece set with 1/4", 5/16" and 3/8" nutsetters

Item #	Screw Head Size	Length	Quantity
16066	3/8"	1-7/8"	5, 1 per card
16067	5/16"	1-5/8"	5, 1 per card
16068	1/4"	1-5/8"	5, 1 per card

### Magnetic Nutsetter Set

Item #	Screw Head Size	Length	Quantity
16081	3 pc. set	1-7/8"	5, 1 set per card

## Socket Adapters



Use with sockets for fast, easy driving of nuts, bolts and hex head screws. This adapter adds versatility to any power drill by converting it to a socket driver. Fully hardened and tempered for long life under constant heavy-duty use.

- Universal 1/4" hex shank with power groove
- 15474 provides additional versatility to any square drive system

Item #	For Driving	Length	Quantity
15471	1/4" square drive socket	2"	5, 1 per card
15474	Converts 1/4" square to 1/4" hex	2"	5 in bag
15475	3/8" square drive socket	2"	5, 1 per card

### Socket Adapter Set

Item #	For Driving	Length	Quantity
15473	1/4" & 3/8" square drive socket (2 pc. set)	2"	5, 1 set per card

# Screwdriver Bits

## Industrial Square Drive Bits for Torx® Screws



Iso-Temp toughening process ensures tips are fracture-resistant.

- All bits feature 3/8" female square drive

Item #	Screw Head Size	Quantity
80461	TX40	3, 1 per card
80462	TX45	3, 1 per card
80463	TX47	3, 1 per card
80464	TX50	3, 1 per card
80465	TX55	3, 1 per card

### Industrial Square Drive Bits for Torx® Screw Set

Item #	Screw Head Size	Quantity
80470	5 pc. set	1 set

## Square Drive Bits for Torx® Screws



Iso-Temp toughening process ensures tips are fracture-resistant.

- 15798 is a five piece set that includes screw head sizes TX40, TX45, TX47, TX50 and TX55
- 15799 is a nine piece set that includes screw head sizes TX10, TX15, TX20, TX25, TX27, TX30, TX40, TX45, and TX50
- 15800 is a twelve piece set that includes screw head sizes TX10, TX15, TX20, TX25, TX27, TX30, TX40, TX45, TX47, TX50, TX55 and TX60

Item #	Screw Head Size	Square Drive	Quantity
15710	TX10	1/4"	5, 1 per card
15715	TX15	1/4"	5, 1 per card
15720	TX20	1/4"	5, 1 per card
15725	TX25	1/4"	5, 1 per card
15727	TX27	1/4"	5, 1 per card
15730	TX30	1/4"	5, 1 per card
15740	TX40	3/8"	5, 1 per card
15745	TX45	3/8"	5, 1 per card
15747	TX47	3/8"	5, 1 per card
15750	TX50	3/8"	5, 1 per card
15755	TX55	3/8"	5, 1 per card
15760	TX60	1/2"	5, 1 per card

### Square Drive Bits for Torx® Screw Sets

Item #	Screw Head Size	Square Drive	Quantity
15798	5 pc. set	3/8"	3, 1 set per pack
15799	9 pc. set	1/4" & 3/8"	3, 1 set per pack
15800	12 pc. set	1/4", 3/8" & 1/2"	1 set

## Sockets for Male Torx® Head Fasteners



Manufactured from high-quality S2 tool steel. Precision formed tip ensures proper fit and long life.

- All sockets are 3/8" female square drive
- 15896 includes screw head sizes E6, E8, E10, E12, E14 and E16
- 15897 includes screw head sizes E6, E7, E8, E10, E12, E14 and E16

Item #	Screw Head Size	Quantity
15856	E6	5 in bag
15858	E8	5 in bag
15860	E10	5 in bag
15862	E12	5 in bag
15864	E14	5 in bag

### Sockets for Male Torx® Head Fastener Sets

Item #	Screw Head Size	Quantity
15896	6 pc. set	3, 1 set per card
15897	7 pc. set	1 set

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# CIRCULAR SAW BLADES

Carbide



Specialty



Steel



Accessories



  
**Vermont  
American**

[www.vermontamerican.com](http://www.vermontamerican.com)



# Circular Saw Blades

## Circular Saw Blade Comparison

Category	Series	Application/Materials	Key Features/Benefits
WOOD CUTTING	King Carbide™ Series	Ripping and crosscutting soft and hard wood, chipboard, plywood, laminated and veneered panels. Remodeling blades for nail-embedded wood.	Resharpenerable oversized Dyanite™ carbide teeth resist shock and last up to 5X longer than standard carbide. Thick, hardened bodies resist deflection for precise cuts. Our finest quality carbide tipped blades.
	Laser X2 Series Carbide Tipped	Fast, clean cuts in solid wood, plywood, chipboard, and composites. Extra clean crosscutting.	Laser X2™ V-ground teeth have dual cutting edges for balanced, splinter free results.
	XTEND Cordless Series Steel and Carbide Tipped	Ripping and crosscutting soft and hard wood. Clean cuts in plywood, plastics and veneered panels.	Micro-thin kerf and extra sharp teeth provide fast, clean results and up to 40% more cuts per battery charge.
	Titanium Carbide Tipped	Ripping and crosscutting soft and hard wood, chipboard, plywood, plastics, and veneered panels.	Titanium carbide teeth provide exceptional hardness and edge retention. Superior diamond wheel grinding yields 3X sharper edges than conventional carbide blades.
	Krome King Steel Tipped	Ripping and crosscutting soft wood. Clean cuts in plywood, plastics and veneered panels.	Premium heat-treated steel provides clean fast cuts and longer life - Resharpenerable
	Trade Duty Carbide Tipped	Ripping and crosscutting soft and hard wood, chipboard, plywood, and wood composites.	Up to 60X longer life than steel blades.
	Standard Steel Tipped	General purpose/soft wood	Inexpensive, can be resharpened
STEEL	Krome King Steel Tipped for ferrous metal	Corrugated steel roofing, black iron, thin plate and bar stock	Inexpensive friction-type blade for ferrous metals
NON-FERROUS METAL	King Carbide™ Series for non-ferrous metal	Fast, clean cutting of aluminum, copper, and brass sheets, tubing, and extrusions. Also for laminated panels and plastics.	Resharpenerable oversized Dyanite™ carbide teeth with triple chip (TCG) grind for clean cuts and long life. Thick, hardened bodies resist deflection for precise cuts. Our finest quality carbide tipped blades.
	XTEND Cordless Series for non-ferrous metal	Fast, clean cutting of aluminum, copper, and brass sheets, tubing, and extrusions.	Flat top grind (FTG) and thin kerf provide fast, clean results and up to 40% more cuts per battery charge.
	Trade Duty Carbide Tipped for non-ferrous metals.	Fast, clean cutting of aluminum, copper, and brass sheets, tubing, and extrusions.	Triple Chip (TCG) grind produces clean cuts and long life.
DADO CUTS	Stacked Steel Dadoes	Cuts 1/8" to 13/16" wide dadoes, rabbets, splines, and lap joints in wood and wood composites.	Stacked design provides flatter bottom in grooves and lap joints. Resharpenerable.
	Dial a Groove® Carbide Tipped Dadoes	Cuts 3/16" to 13/16" wide dadoes, rabbets, splines, and lap joints in wood and wood composites.	Durable, easy to adjust dado for general purpose woodworking applications.

## Saw Blade Speed Chart

### Recommended Operating Speeds for Circular Saw Blades

- For extended blade life and quality of cut, saw blades should run between 10,000 and 18,000 SFPM (surface feet per minute).\*
- NEVER EXCEED 18,000 SFPM!**
- To calculate SFPM:
  - Multiply the diameter of the blade times  $\pi$  (3.1416) to get the circumference, then multiply circumference by RPM to get inches per minute.
  - Divide the inches per minute calculation (from step 1) by 12 to get the feet per minute. Best results on most materials would be about 15,000 SFPM.

Saw Blade Diameter in Inches	Saw Blade Diameter in Millimeters	Maximum RPM
6-1/2"	165	8,800
7 - 7-1/2"	185	7,900
8	200	6,900
8-1/4"	210	6,900
8-1/2"	215	6,700
9	220	7,200
10	260	6,000
12	300	4,700

\*Except steel cutting blades



## King Carbide Saw Blades



**10X**  
LIFE  
with large,  
resharpenable  
teeth

**Heavy, Stable Plate**  
• No wobble or runout

**Extra Large Resharpenable Teeth**  
• Last longer, better value

**Laser-cut Body**  
• Precision tolerances for precision cutting



**C3 Carbide**

- Stays sharper longer \*10" and above

**Patented Dyanite Carbide**

- Lasts 6X longer than standard carbide

**Unique Clam Shell Packaging**

Reusable storage when changing blades



### Grind - There are many types of tooth grinds, a few of the basic ones are:



**Flat Top Grind (FTG)** – best for ripping.



**Alternate Top Bevel (ATB)** – best for crosscutting, cut-off and trimming.



**Triple Chip Grind (TCG)** – perfect for hard, abrasive materials like non-ferrous metals, hardwoods and plastics.



**Multi-Purpose Carbide Tipped (MCT)** – best for ripping and crosscutting, miter.



**Tri-Grind (TRI)** – combination grind, best for clean miter cuts.



**Left Trim Grind (3/1)** – good finish, one side only.



**Right Trim Grind (3/1)** – good finish, one side only.



**Solid Surface Grind (SSG)** – for extremely dense man-made materials.



**Hollow Ground Laser X2™** best for fast, clean framing.



# Circular Saw Blades

## Premium Carbide Tipped Blades



### King Carbide Series Carbide Tipped Circular Saw Blades

King Carbide blades provide the best in precision, durability and performance for the discriminating woodworker, cabinet shop or industrial application. These blades have Dyanite™ teeth made with our patented process, giving you the best carbide on the market for superior strength, wear, edge retention and impact resistance. Dyanite™ carbide lasts six times longer than standard carbide. Heavy bodies and fully hardened plates with extra-large, re-sharpenable teeth make these blades fit for professional use and won't distort under heavy use, so they run truer and make more accurate cuts.



- Rip blades are ideal for fast cutting in wood, plywood, chipboard, particleboard and composite materials
- General purpose blades are used for crosscutting and ripping in hard and soft woods and for cutting and trimming plywood and composite materials
- Finish blades are ideal for trimming and cutting solid wood, plywood, particleboard, chipboard, plastics, veneer and double-faced laminates
- Demolition/Remodeling blades can cut shingles, roofing, and nail-embedded wood and offer much longer life and tip strength in demanding applications than standard framing blades.
- Non-ferrous metal cutting blades are specifically designed for cutting metals such as aluminum, copper, brass, and lead. May also be used for general trimming in wood and laminates.
- Laminate blades make clean cuts in laminated materials, melamine, and veneers.

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Plate Thickness	Tooth Design	Application	Tool Type	Max. RPM	Quantity
27247	6 1/2"	40	5/8" *	0.104"	12	.070"	ATB	Crosscut / rip	Portable / worm drive	8800	1
27248	7 1/4"	12	5/8" *	0.114"	20	.082"	FTG	Ultra fast ripping	Portable / worm drive	7900	1
27350	7 1/4"	14	5/8" *	0.104"	-10	.070"	TCG	Demolition / remodeling / nail cutting	Portable / worm drive	7900	1
27249	7 1/4"	24	5/8" *	0.104"	20	.070"	ATB	Rip / crosscut	Portable / worm drive	7900	1
27250	7 1/4"	40	5/8" *	0.104"	12	.070"	ATB	Crosscut / rip	Portable / worm drive	7900	1
27355	7 1/4"	40	5/8" *	0.104"	12	.070"	TCG	Laminate	Portable / worm drive	7900	1
27253	8"	40	5/8" *	0.121"	12	.082"	ATB	Crosscut / rip	Portable / worm drive	6900	1
27255	9"	40	5/8"	0.121"	12	.082"	ATB	Crosscut / rip	Table / radial arm	6200	1
27256	10"	40	5/8"	0.121"	12	.082"	ATB	Crosscut / rip	Miter / table	6000	1
27316	10"	60	5/8"	0.121"	12	.082"	ATB	Crosscut	Miter / table	6000	1
27356	10"	60	5/8"	0.121"	10	.082"	TCG	Laminate	Miter / table	6000	1
27716	10"	80	5/8"	0.121"	10	.087"	ATB	Fine finish	Miter / table	6000	1
27257	12"	40	1"	0.131"	12	.097"	ATB	Rip / crosscut	Miter / table / radial arm	4700	1
27317	12"	60	1"	0.131"	12	.097"	ATB	Crosscut	Miter / table / radial arm	4700	1
27353	12"	80	1"	0.145"	12	.101"	ATB	Fine finish	Miter / table / radial arm	4700	1
27390	7 1/4"	40	5/8" *	0.104"	12	.070"	TCG	Non-ferrous metal / plastic	Portable / worm drive	7900	1
27416	10"	60	5/8"	0.121"	10	.082"	TCG	Non-ferrous metal / plastic	Miter / table	6000	1

\* Saw blade features round arbor with 13/16" diamond knockout.





## Circular Saw Blades

**NEW!**  
Fast  
Thin Kerf  
Hard Plate  
Design

Up to  
**10X**  
More  
Durable  
**3X**  
Sharper  
than  
standard  
carbide blades

### Titanium Carbide Teeth

- Exceptional hardness and edge retention
- Starts sharp, stays sharp

### Superior Diamond Wheel Sharpening Process

- Produces teeth 3X sharper than conventional carbide teeth

### Clear Anti-Friction Coating

- Minimizes binding and pitch buildup



## Titanium Thin Kerf Circular Saw Blades

### Titanium Series Carbide Tipped Circular Saw Blades

Titanium 10X<sup>®</sup> circular saw blades feature extremely tough titanium carbide teeth that provide exceptional hardness and edge retention, yielding a blade that is up to 10 times more durable than blades with standard carbide. A superior diamond wheel sharpening process produces teeth that are three times sharper than conventional teeth.



- Fully hardened body resists deflection and runs true
- Blades are designed to resist heat buildup and warping
- J-shaped expansion slots control heat around the perimeter while reducing noise
- A clear anti-friction coating minimizes binding and pitch buildup
- Thin kerf design provides minimal weight, faster cutting and less stock removal
- Tri-metal shim braze holds teeth to body, providing impact resistance and longer wear

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Tooth Design	Application	Tool Type	Max. RPM	Quantity
27815	7-1/4"	18	5/8" *	.081"	20°	ATB	Fast rip / crosscut	Portable / worm drive	7,900	1
27816	7-1/4"	18	5/8" *	.081"	20°	ATB	Fast rip / crosscut	Portable / worm drive	7,900	25 (bulk)
27817	7-1/4"	24	5/8" *	.081"	20°	ATB	Rip / crosscut	Portable / worm drive	7,900	1
27819	7-1/4"	24	5/8" *	.081"	20°	ATB	Rip / crosscut	Portable / worm drive	7,900	10 (bulk)
27818	7-1/4"	24	5/8" *	.081"	20°	ATB	Rip / crosscut	Portable / worm drive	7,900	25 (bulk)
27821	7-1/4"	40	5/8" *	.081"	20°	ATB	Crosscut / rip	Portable / worm drive	7,900	1
27822	7-1/4"	40	5/8" *	.081"	20°	ATB	Crosscut / rip	Portable / worm drive	7,900	25 (bulk)
27823	8-1/4"	24	5/8" *	.092"	20°	ATB	Rip / crosscut	Portable / worm drive	6,900	1
27825	8-1/4"	40	5/8" *	.092"	0°	ATB	Fine crosscut	Portable / miter	6,900	1
27827	8-1/2"	40	5/8"	.092"	0°	ATB	Fine crosscut	Miter	6,700	1
27829	10"	24	5/8"	.098"	22°	ATB	Rip / crosscut	Table	6,000	1
27831	10"	40	5/8"	.098"	13°	ATB	Crosscut / rip	Miter / table	6,000	1
27833	10"	60	5/8"	.098"	13°	ATB	Crosscut / plywood	Miter / table	6,000	1
27835	10"	60	5/8"	.098"	0°	TRI	Fine crosscut / plywood	Miter / table	6,000	1
27841	10"	80	5/8"	.098"	0°	ATB	Ultra fine crosscut / plastics / plywood	Miter / table / radial arm	6,000	1
27837	12"	30	1"	.098"	15°	TRI	Fast rip	Miter / table	4,700	1
27838	12"	60	1"	.098"	0°	TRI	Fine crosscut / plastics / plywood	Miter / table / radial arm	4,700	1
27839	12"	80	1"	.098"	0°	ATB	Ultra fine crosscut / plastics / plywood	Miter / table / radial arm	4,700	1

\* Saw blade features round arbor with 13/16" diamond knockout.



# Circular Saw Blades

## Trade Duty Standard Carbide Circular Saw Blades



### Trade Duty™ Series Carbide Tipped Circular Saw Blades

Trade Duty™ series circular saw blades last 60 times longer than standard steel blades. Tungsten carbide tips provide longer blade life and yield smoother cuts. Metal cutting blades are specially designed for cutting non-ferrous metals such as aluminum, copper, brass and lead. May also be used for general trimming in wood.

- Wood cutting blades feature an alternate top bevel (ATB) tooth configuration for cleaner cuts
- Metal cutting blades feature a triple chip grind (TCG) tooth configuration to withstand greater shock

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Plate Thickness	Application	Tool Type	Tooth Design	Max. RPM	Quantity
27167	6-1/2"	20	5/8" *	.090"	20°	.060"	Fast rip / crosscut	Portable / worm drive	ATB	8,800	1
27150	7-1/4"	16	5/8" *	.090"	20°	.060"	Fast rip / frame	Portable / worm drive	ATB	7,900	1
26482	7-1/4"	16	5/8" *	.090"	20°	.060"	Fast rip / frame	Portable / worm drive	ATB	7,900	25 (bulk)
27169	7-1/4"	18	5/8" *	.090"	20°	.060"	Fast rip / frame crosscut	Portable / worm drive	ATB	7,900	1
26485	7-1/4"	18	5/8" *	.090"	20°	.060"	Fast rip / frame crosscut	Portable / worm drive	ATB	7,900	25 (bulk)
26880	7-1/4"	18	5/8" *	.092"	20°	.060"	Deck	Portable / worm drive	ATB	7,900	1
27170	7-1/4"	20	5/8" *	.090"	20°	.060"	Rip / crosscut	Portable / worm drive	ATB	7,900	1
26484	7-1/4"	20	5/8" *	.090"	20°	.060"	Rip / crosscut	Portable / worm drive	ATB	7,900	25 (bulk)
27191	7-1/4"	24	5/8" *	.090"	20°	.060"	Rip / crosscut	Portable / worm drive	ATB	7,900	1
26491	7-1/4"	24	5/8" *	.090"	20°	.060"	Rip / crosscut	Portable / worm drive	ATB	7,900	25 (bulk)
27192	7-1/4"	40	5/8" *	.090"	12°	.060"	Crosscut / rip	Portable / worm drive	ATB	7,900	1
26486	7-1/4"	40	5/8" *	.090"	12°	.060"	Crosscut / rip	Portable / worm drive	ATB	7,900	25 (bulk)
27194	7-1/4"	60	5/8" *	.090"	12°	.060"	Plywood / paneling	Portable / worm drive	ATB	7,900	1
26477	7-1/4"	60	5/8" *	.090"	12°	.060"	Plywood / paneling	Portable / worm drive	ATB	7,900	25 (bulk)
27173	8"	20	5/8" *	.100"	20°	.070"	Rip / crosscut	Portable / worm drive	ATB	6,900	1
27177	8-1/4"	24	5/8" *	.100"	24°	.070"	Rip / crosscut	Portable / worm drive	ATB	6,900	1
27174	8"-8-1/4"	40	5/8" *	.100"	12°	.070"	Crosscut / rip	Portable	ATB	7,200	1
27175	9"	28	5/8" *	.100"	20°	.070"	Rip / crosscut	Portable	ATB	7,200	1
27176	10"	28	5/8" *	.100"	20°	.070"	Rip / crosscut	Miter / table	ATB	6,000	1
26483	10"	28	5/8" *	.100"	20°	.070"	Rip / crosscut	Miter / table	ATB	6,000	10 (bulk)
27196	10"	40	5/8" *	.100"	12°	.070"	Crosscut / rip	Miter / table	ATB	6,000	1
27200	10"	60	5/8" *	.100"	12°	.070"	Crosscut	Miter / table	ATB	6,000	1
26403	10"	28,40	5/8" *	.100"	20,12°	.070"	Rip / crosscut	Miter / table	ATB	6,000	1 set
27204	12"	40	1"	.100"	12°	.070"	Rip / crosscut	Miter / table / radial arm	ATB	4,700	1
27206	12"	60	1"	.100"	12°	.070"	Crosscut	Miter / table / radial arm	ATB	4,700	1
27193	7-1/4"	40	5/8" *	.090"	12°	.060"	Non-ferrous metal / plastic	Portable / worm drive	TCG	7,900	1
26476	7-1/4"	40	5/8" *	.090"	12°	.060"	Non-ferrous metal / plastic	Portable / worm drive	TCG	7,900	25 (bulk)
27203	10"	80	5/8" *	.100"	0°	.070"	Non-ferrous metal / plastic	Miter / table	TCG	6,000	1

\* Saw blade features round arbor with 13/16" diamond knockout.



## Specialty Blades

### Fiber Cement Circular Saw Blades

Ultra-fine C-4 carbide provides longer life than standard blades. .6 micron grain size wears slower and stays sharper longer. Custom deep gullets minimize dust.

- Recommended for cutting single sheets of fiber cement board or siding.



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Application	Tool Type	Max. RPM	Quantity
26950	7-1/4"	6	5/8" *	.068"	.056"	Fiber cement	Portable / worm drive	7,900	1

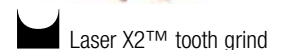
\* Saw blade features round arbor with 13/16" diamond knockout.



### Laser X2™ Series Carbide Tipped Circular Saw Blades

Laser X2™ saw blades feature a unique V-face tooth design that doubles the cutting action of the blade and produces faster, smoother cuts. The cutting load is balanced for splinter-free cutting, even in plywood.

- Recommended for ripping and crosscutting of solid woods, plywood, particleboard, chipboard and composite materials



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Tooth Design	Plate Thickness	Tool Type	Max. RPM	Quantity
26930	7-1/4"	20	5/8" *	.092"	20°	FTG	.060"	Portable / worm drive	7,900	1
26488	7-1/4"	20	5/8" *	.092"	20°	FTG	.060"	Portable / worm drive	7,900	25 (bulk)

\* Saw blade features round arbor with 13/16" diamond knockout.



### Krome King® Series Steel Cutting Circular Saw Blades

Steel cutting blade is designed for cutting with friction in corrugated sheet roofing, black iron, furnace pipe and steel bar stock 1/4" and under. Not designed for cutting aluminum, brass, copper or other non-ferrous metals.

- Use caution: Sparks are produced from the cutting action of this blade.



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Application	Description	Tool Type	Max. RPM	Quantity
25306	7-1/4"	18	5/8" *	.057"	.057"	Steel	Steel cutting	Portable / worm drive	7,900	1

\* Saw blade features round arbor with 13/16" diamond knockout.

# Circular Saw Blades

## Specialty Blades Cont'd



### Dial-A-Groove® "Single Wobble" Carbide Tipped Adjustable Dadoes

Use to cut dadoes, rabbets, splines and lap joints in wood, composite materials and plastics.

- Cuts widths from 3/16" to 13/16"
- Change size without removing dado from saw

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Plate Thickness	Tool Type	Max. RPM	Quantity
26752	7"	16	5/8" round	Variable	14°	.082"	9" and 10" table & radial saws	4,600	1
26753	7"	24	5/8" round	Variable	21°	.082"	9" and 10" table & radial saws	4,600	1

### Twin Blade "Double Wobble" Carbide Tipped Adjustable Dadoes

Use to cut dadoes, rabbets, splines and lap joints in wood, composite materials and plastics.

- Cuts widths from 1/4" to 13/16"
- Change size without removing dado from saw

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Plate Thickness	Tool Type	Max. RPM	Quantity
26768	8"	24	5/8" round	Variable	15°	.106"	9" and 10" table & radial saws	5,500	1



### Stacked Steel Dadoes

Stacked steel dadoes cut rabbets, splines, lap joints, dadoes and other jobs in all wood and wood products.

- Cut widths from 1/8" to 13/16" in 1/16" increments (excluding 3/16")
- Set includes two 1/8" outside blades, four 1/8" chippers and one 1/16" chipper

### Dadoes Sets

Item #	Blade Diameter	Arbor	Kerf	Hook Angle	Plate Thickness	Tool Type	Max. RPM	Quantity
26741	6"	5/8"	Variable	-10°	.107"	8", 9" & 10" table & radial saws	7,000	1 set
26743 *	7"	5/8"	Variable	-10°	.107"	8", 9" & 10" table & radial saws	5,200	1 set

\* 26743 is thin rim for less friction and extremely clean cuts.

## XTEND™ Cordless Series Circular Saw Blades



### XTEND™ Cordless Series Carbide Tipped Circular Saw Blades

XTEND™ Cordless series circular saw blades are specially designed for optimal performance in portable cordless saws. Blades feature scalpel-sharp carbide teeth and a micro kerf edge to cut with less drag and resistance than standard circular saw blades, yielding up to 40 percent more cuts per battery charge.

- Fit most brands of cordless saws
- Blade design also enhances performance of corded portable saws



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Plate Thickness	Tooth Design	Application	Tool Type	Max. RPM	Quantity
26101	3-3/8"	20	15 mm	1.4 mm / .054"	10°	.030"	ATB	Rip / crosscut	Portable / cordless	4,000	1
26121	5-3/8"	18	10 mm	1.4 mm / .054"	20°	.030"	ATB	Fast rip / crosscut	Portable / cordless	10,400	1
26122	5-3/8"	24	10 mm	1.4 mm / .054"	20°	.030"	ATB	Rip / crosscut	Portable / cordless	10,400	1
26131	5-1/2"	18	10 mm	1.4 mm / .054"	20°	.030"	ATB	Fast rip / crosscut	Portable / cordless	10,400	1
26152	6-1/2"	24	5/8"	.063"	20°	.040"	ATB	Rip / crosscut	Portable / cordless	8,800	1
26123	5-3/8"	30	10 mm	1.6 mm / .063"	5°	.040"	FTG	Non-ferrous metal / plastic	Portable / cordless	10,400	1
26133	5-1/2"	30	10 mm	1.6 mm / .063"	5°	.040"	FTG	Non-ferrous metal / plastic	Portable / cordless	10,400	1
26153	6-1/2"	30	5/8"	1.6 mm / .063"	5°	.040"	FTG	Non-ferrous metal / plastic	Portable / cordless	8,800	1



### XTEND™ Cordless Series Steel Circular Saw Blades

XTEND™ Cordless series circular saw blades are specially designed for optimal performance in portable cordless saws. Blades feature scalpel-sharp steel teeth and a micro kerf edge to cut with less drag and resistance than standard circular saw blades, yielding up to 40 percent more cuts per battery charge.

- Fit most brands of cordless saws
- Blade design also enhances performance of corded portable saws



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Application	Tool Type	Max. RPM	Quantity
26105	3-3/8"	50	15 mm	.9 mm / .037"	.021"	Crosscut / plywood	Portable cordless	2,240	1
26127	5-3/8"	80	10 mm	1.3 mm / .050"	.030"	Crosscut / plywood	Portable cordless	10,400	1
26137	5-1/2"	80	10 mm	1.3 mm / .050"	.030"	Crosscut / plywood	Portable cordless	10,400	1
26157	6-1/2"	108	5/8"	1.6 mm / .062"	.042"	Crosscut / plywood	Portable cordless	6,400	1

## Cordless Circular Saw Blade Sets

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Hook Angle	Plate Thickness	Tooth Design	Application	Tool Type	Max. RPM	Quantity
26120	5-3/8"	18, 30, 80 *	10 mm	Various	20°	Various	ATB	Various	Portable / cordless	10,400	1 set
26130	5-1/2"	18, 30, 80 *	10 mm	Various	20°	Various	ATB	Various	Portable / cordless	10,400	1 set
26150	6-1/2"	18, 30, 80 *	5/8"	Various	20°	Various	ATB	Various	Portable / cordless	8,800	1 set

\* Sets - 18 & 30 teeth blades have carbide tips, 80 teeth blades have steel teeth.





# Circular Saw Blades

## Steel Blades

### Krome King™ Series Steel Circular Saw Blades

Krome King™ circular saw blades are manufactured from premium alloy steel that is heat treated and tempered for long life and durability. Teeth are precision sharpened to produce fast, smooth cuts. All blades can be resharpened. Plywood blades produce smooth, clean cuts in plywood, paneling and veneer 3/4" and under. Also ideal for cutting Celotex® and plastics. High tooth count produces a super-smooth finish and generates less splintering than combination style saw blades.

- Rip blades are designed for fast ripping and crosscutting in all wood types and are ideal for house framing
- Rip / crosscut blades are ideal for smooth crosscuts, rips and miters in all wood types and is the most popular blade style for all-purpose cutting
- Crosscut blades provide a smooth finish when cutting across the grain in all types of wood up to 1-1/4" thick
- Master combination blades are ideal for smooth crosscuts, rips and miters in all types of wood
- Plywood blades produce smooth, clean cuts in plywood, paneling and veneer up to 3/4" thick. Also ideal for cutting Celotex® and plastics and creates less splintering than combination style blades
- Thin rim plywood blades produce smooth, clean cuts in plywood, paneling and veneer up to 3/4" thick. Also ideal for cutting Celotex® and plastics and practically eliminates splintering and the need for sanding

**KROME KING®**  
Saw Blade



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Application	Description	Tool Type	Max. RPM	Quantity
25223	5-1/2"	36	1/2"	.094"	.051"	Rip / crosscut	Rip / crosscut blade	Cordless	10,400	1
25263	5-1/2"	110	5/8"	.079"	.051"	Fine finish	Plywood blade	Portable	10,400	1
25227	6-1/2"	36	5/8" *	.097"	.051"	Rip / crosscut	Rip / crosscut blade	Portable	8,800	1
25267	6-1/2"	150	5/8" *	.085"	.057"	Fine finish	Plywood blade	Portable	8,800	1
25347	6-1/2"	150	5/8" *	.066"	.076"	Ultra fine finish	Thin rim plywood blade	Portable	8,800	1
25250	7-1/4"	20	5/8" *	.103"	.057"	Rip / crosscut	Rip blade	Portable / worm drive	7,900	1
25230	7-1/4"	40	5/8" *	.103"	.057"	Rip / crosscut	Rip / crosscut blade	Portable / worm drive	7,900	1
26430	7-1/4"	40	5/8" *	.103"	.057"	Rip / crosscut	Rip / crosscut blade	Portable / worm drive	1,700	25 (bulk)
25290	7-1/4"	100	5/8" *	.087"	.057"	Crosscut	Crosscut blade	Portable / worm drive	7,900	1
25291	7-1/4"	100	5/8" *	.087"	.057"	Crosscut	Crosscut blade	Portable / worm drive	7,900	25 (bulk)
25270	7-1/4"	150	5/8" *	.085"	.057"	Fine finish	Plywood blade	Portable / worm drive	7,900	1
25350	7-1/4"	200	5/8" *	.071"	.051"	Ultra fine finish	Thin rim plywood blade	Portable / worm drive	7,900	1
25233	8"	44	5/8" *	.111"	.065"	Rip / crosscut	Rip / crosscut blade	Portable / worm drive	6,900	1
25273	8"	200	5/8" *	.093"	.065"	Fine finish	Plywood blade	Portable	6,900	1
25353	8"	200	5/8" *	.079"	.093"	Ultra fine finish	Thin rim plywood blade	Portable / worm drive	6,900	1
25235	9"	44	5/8"	.099"	.069"	Rip / crosscut	Rip / crosscut blade	Portable	7,200	1
25236	10"	44	5/8"	.099"	.069"	Rip / crosscut	Rip / crosscut blade	Miter / table	6,000	1
25276	10"	200	5/8"	.097"	.069"	Fine finish	Plywood blade	Miter / table	5,700	1
25356	10"	200	5/8"	.085"	.093"	Ultra fine finish	Thin rim plywood blade	Miter / table	5,700	1

\* Saw blade features round arbor with 13/16" diamond knockout.

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## Steel Blades

### Krome King™ Series Master Combination Blades



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Application	Description	Tool Type	Max. RPM	Quantity
25207	6-1/2"	48	5/8" *	.087"	.057"	Rip / fine crosscut	Master combination blade	Portable	8,800	1
25210	7-1/4"	60	5/8" *	.087"	.057"	Rip / fine crosscut	Master combination blade	Portable / worm drive	7,900	1
26431	7-1/4"	40	5/8" *	.087"	.057"	Rip / fine crosscut	Master combination blade	Portable / worm drive	7,900	25 (bulk)
25213	8"	48	5/8" *	.095"	.065"	Rip / fine crosscut	Master combination blade	Portable / worm drive	6,900	1
25215	9"	64	5/8"	.099"	.069"	Rip / fine crosscut	Master combination blade	Portable	6,350	1
25216	10"	64	5/8"	.099"	.069"	Rip / fine crosscut	Master combination blade	Miter / table	5,700	1

\* Saw blade features round arbor with 13/16" diamond knockout.

### Standard Steel Circular Saw Blades

Standard steel blades feature a super-sharp edge for smooth cuts and are made of high quality steel that is hardened and tempered for durability. Blades are easily resharpened.

- Rip / crosscut blade is recommended for smooth crosscuts, rips and miters in all wood types at moderate cutting speeds
- Fine finish blade generates smooth, clean cuts in plywood, paneling and veneer up to 3/4" thick and yields less splintering than combination style blades
- 26406 is a three-blade set including the following blades: 26330 rip / crosscut; 26493 rip; and 26370 fine finish blade for plywood



Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Application	Tool Type	Max. RPM	Quantity
26493	7-1/4"	20	5/8" *	.097"	.051"	Rip	Portable / worm drive	7,900	1
26330	7-1/4"	40	5/8" *	.097"	.051"	Rip / crosscut	Portable / worm drive	7,900	1
26492	7-1/4"	40	5/8" *	.097"	.051"	Rip / crosscut	Portable / worm drive	7,900	25 (bulk)
26370	7-1/4"	150	5/8" *	.079"	.051"	Fine finish	Portable / worm drive	7,900	1
26494	7-1/4"	150	5/8" *	.079"	.051"	Fine finish	Portable / worm drive	7,900	25 (bulk)

\* Saw blade features round arbor with 13/16" diamond knockout.

### Circular Saw Blade Sets

Item #	Blade Diameter	# of Teeth	Arbor	Kerf	Plate Thickness	Tool Type	Max. RPM	Quantity
26406	7-1/4"	20, 40, 150	5/8" *	.097"	.051"	Portable / worm drive	7,900	1 set

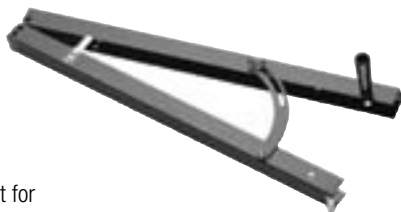
\* Saw blade features round arbor with 13/16" diamond knockout.

# Circular Saw Blades

## Saw Accessories

### Taper Jig

The taper jig provides accurate tapers on table or radial arm saws. A graduated scale measures degrees and inches per foot of taper. The sturdy reversible handle guides the jig through the cut for right- or left-hand use.



- Cuts tapers up to 3" per foot or 15°
- Graduated scale measures degrees and inches for accurate tapers up to 3" per foot or 15° on table or radial arm saws. Sturdy reversible handle allows left or right-handed use.

Item #	Description
26777	Taper jig



### Replacement Arbor Bushings

Use arbor bushings to fit the arbor size of a saw to the arbor diameter of a circular saw blade. Bushings may be used with steel and carbide tipped blades.

Item #	Inside Diameter	Outside Diameter
27974	1/2"	5/8"
27978	5/8"	1"



### Push Shoe

The push shoe functions as ten table saw accessories in one compact product.

- Accurately measure cut angles, check saw blade tilt, miter gauge angles and ensure precision setup for 22.5°, 30°, 45°, 60° and 90° angles
- The depth gauge accurately sets saw blade height in 1/8" and 1/16" increments
- The center finder marks the center of square or round stock up to 3" in diameter
- Use the 7" rule to help position rip fence. Use the 4" hook rule to easily measure the distance from an edge

Item #	Description
26778	Push shoe

# JIG SAW BLADES



T Shank



U Shank



  
**Vermont  
American**

[www.vermontamerican.com](http://www.vermontamerican.com)

# Jig Saw Blades

## Selecting The Right Jig Saw Blade

### Bi-Metal

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades.



### High Carbon Steel

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Hollow ground blade produces smooth finish cuts.



### High Speed Steel

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals.



### Carbide Tipped

Carbide tipped jig saw blades feature a strip of carbide teeth fused to a high carbon steel body for long lasting cutting performance.



Every material has a different density. To achieve the best possible cutting quality and the fastest cutting time, it is important to match material density with the proper blade geometry.



WOOD		
Teeth per Inch	Type of Cut	Materials
6-8	Rough	Hard & soft wood, particleboard
10-14	Fine	Wood, plastics
16-20	Very fine	Plywood, laminated, particleboard

METAL		
Teeth per Inch	Type of Cut	Materials
14-18	Smooth	Thick material
24	Smooth	Thin material
36	Very Smooth	Very thin material

## Jig Saw Blades

### For Cutting Wood, Metal and Plastic



#### Shanks

- Blades designed to fit and improve the performance of whatever power tool brand you choose

#### Bi-Metal Teeth

- Hardened and ground teeth for precision cuts in Metal, Wood and Plastic
- Heat-treated high speed steel metal strip:
  - Teeth start sharp and stay sharp longer
  - Greater durability





## T-shank

### T-shank - Wood & Plastic Cutting



#### Bi-metal T-shank Jig Saw Blades for Cutting Wood & Plastic

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30610	6	4"	Fast cutting in wood up to 2"	10, 1 per card
30611	10	4"	Cuts wood / laminate up to 3/4"	10, 1 per card

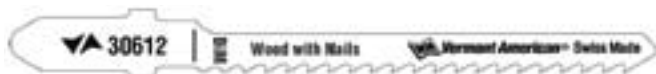


#### High Carbon Steel T-shank Jig Saw Blades for Cutting Wood & Plastic

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in various materials. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30050	6	3-1/8"	Fast cutting in wood up to 2"	10, 2 per card
30051	8	3-1/8"	Cuts wood / composite material up to 3/4"	10, 2 per card
30053	10	4"	Smooth cuts in wood up to 1/8"	10, 2 per card

### T-shank - Scroll Sawing



#### Bi-metal T-shank Jig Saw Blade for Scroll Sawing

Bi-metal jig saw blade last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30612	10	3"	Scroll cutting in wood up to 3/4"	10, 1 per card



#### High Carbon Steel T-shank Jig Saw Blade for Scroll Sawing

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30052	14	3-1/8"	Scroll cutting in wood up to 1/4"	10, 2 per card

### T-shank - Metal Cutting



#### Bi-metal T-shank Jig Saw Blades for Cutting Metal

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

Item #	Teeth Per Inch	Overall Length	Application	#/Card, Pkg Qty
30613	12	3"	Cuts metal 1/8" to 3/8"	10, 1 per card
30614	17	3"	Cuts iron / metal 1/8" to 1/4"	10, 1 per card
30615	21	3"	Cuts metal 1/16" to 3/16"	10, 1 per card



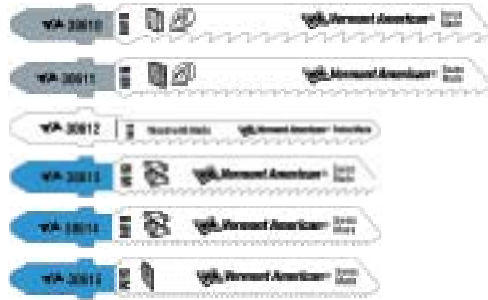
#### High Speed Steel T-shank Jig Saw Blades for Cutting Metal

High speed steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Overall Length	Application	#/Card, Pkg Qty
30055	14	3-1/8"	Cuts metal / plastic 1/8" to 1/4"	10, 2 per card
30056	12	3-1/8"	Cuts nail embedded wood / metal up to 3/8"	10, 2 per card
30057	21	3-1/8"	Cuts aluminum / metal 1/16" to 3/16"	10, 2 per card
30058	36	3-1/8"	Cuts thin metal up to 1/16"	10, 2 per card

# Jig Saw Blades

## T-shank Jig Saw Blade Sets



### Bi-metal T-shank Jig Saw Blade Set

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

#### 30634 All-purpose cutting in wood, plastic & metal

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30610	2	6	4"	Fast cutting in wood up to 2"
30611	2	10	4"	Cuts wood / laminate up to 3/4"
30612	1	10	3"	Scroll cutting in wood up to 3/4"
30613	1	12	3"	Cuts metal 1/8" to 3/8"
30614	1	17	3"	Cuts iron / metal 1/8" to 1/4"
30615	1	21	3"	Cuts metal 1/16" to 3/16"



### High Speed Steel / High Carbon Steel T-shank Jig Saw Blade Sets

High speed steel and high carbon steel jig saw blade sets are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

#### 30059 All-purpose cutting in wood, plastic & metal

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30050	1	6	3-1/8"	Fast cutting in wood up to 2"
30051	1	8	3-1/8"	Cuts wood / composite material
30056	1	12	3-1/8"	Cuts nail embedded wood / metal up to 3/8"

#### 30060 All-purpose cutting in wood, plastic & metal

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30050	1	6	3-1/8"	Fast cutting in wood up to 2"
30051	1	8	3-1/8"	Cuts wood / composite material
30052	1	14	3-1/8"	Scroll cutting in wood up to 1/4"
30053	1	10	4"	Smooth cuts in wood up to 1/8"
30055	1	14	3-1/8"	Cuts metal / plastic 1/8" to 1/4"

## U-shank

### U-shank - Wood & Plastic Cutting



### Bi-metal U-shank Jig Saw Blades for Cutting Wood & Plastic

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30062	6	3-5/8"	Fast cuts in wood & plastic up to 2"	10, 1 per card
30063	10	3-5/8"	Cuts wood & plastic up to 3/4"	10, 1 per card



### Cordless Series U-shank Jig Saw Blades for Cutting Wood & Plastic

Ultra-thin blades create less drag and increase speed, yielding more cuts per battery charge. High carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30350	6	3-1/8"	Fast cuts in wood up to 2"	10, 2 per card
30356	10	3-1/8"	Smooth cuts in wood	10, 2 per card



## High Carbon Steel Hollow Ground U-shank Jig Saw Blade

Hollow ground blade produces smooth finish cuts. High carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30016	10	3-1/8"	Smooth cuts in wood up to 1-1/4"	10, 2 per card



## High Carbon Steel Hollow Ground Reverse Tooth U-shank Jig Saw Blade

Hollow ground, reverse tooth blade provides chip free surfaces on paneling, laminates and wood. High carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30018	12	3-1/8"	Chip free cuts in wood, paneling & laminates up to 1"	10, 2 per card



## High Carbon Steel U-shank Jig Saw Blades for Cutting Wood & Plastic

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in a variety of materials. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30001	8	4-1/8"	Fast cuts in wood up to 3"	10, 1 per card
30012	6	3-5/8"	Fast cuts in wet wood 3/4" & up	10, 2 per card
30013	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"	10, 2 per card
30019	10	3-1/8"	Cuts wood & plywood up to 2"	10, 2 per card
30021	8	2-3/4"	Flush cuts in wood 1/2" & up	10, 2 per card
30022	Knife	3-1/8"	Knife cuts in cork, leather, vinyl, paper & foam rubber	10, 2 per card
30029	8	3-5/8"	Cuts plaster / drywall	10, 2 per card
30031	6	6"	Flush cuts & pruning in wood 3/4" & up	10, 1 per card

## U-shank - Scroll Sawing



### Cordless Series U-shank Jig Saw Blade for Scroll Sawing

Ultra-thin blades create less drag and increase speed, yielding more cuts per battery charge. High carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30355	12	2-3/4"	Scroll cuts in wood up to 3/4"	10, 2 per card



## High Carbon Steel U-shank Jig Saw Blades for Scroll Sawing

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30015	13	2-3/4"	Scroll cuts in wood up to 1/8"	10, 2 per card
30027	19	2-3/4"	Smooth scroll cuts in wood up to 1/2"	10, 2 per card
30030	10	2-3/4"	Scroll cuts in wood up to 3/4"	10, 2 per card

## U-shank - Metal Cutting



### Bi-metal U-shank Jig Saw Blades for Cutting Metal

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

Item #	Teeth Per Inch	Overall Length	Application	#/Card, Pkg Qty
30074	12	2-3/4"	Cuts thick metal 1/8" to 3/8"	10, 1 per card
30075	17	2-3/4"	Cuts iron / metal 1/8" to 1/4"	10, 1 per card
30076	21	2-3/4"	Cuts thin metal 1/16" to 3/16"	10, 1 per card



### Cordless Series U-shank Jig Saw Blade for Cutting Metal

Ultra-thin blades create less drag and increase speed, yielding more cuts per battery charge. High speed steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30365	24	3-1/8"	Cuts metal up to 1/4"	10, 2 per card



# Jig Saw Blades



## High Speed Steel U-shank Jig Saw Blades for Cutting Metal

High speed steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30023	10	2-3/4"	Cuts nail embedded wood / metal	10, 2 per card
30024	12	2-3/4"	Cuts thick metal / plastic 3/16" to 3/8"	10, 2 per card
30025	18	2-3/4"	Cuts aluminum / metal 1/8" to 1/4"	10, 2 per card
30026	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"	10, 2 per card
30032	36	2-3/4"	Cuts sheet metal under 1/16"	10, 2 per card

## U-shank - Carbide Tipped



### Carbide Tipped U-shank Jig Saw Blades

Carbide tipped jig saw blades feature a strip of carbide teeth fused to a high carbon steel body for long lasting cutting performance in stainless steel, solid surface countertop materials, ceramic tile and other abrasives.

Item #	Teeth Per Inch	Blade Length	Application	#/Card, Pkg Qty
30002	24	2-3/4"	Cuts stainless steel & other abrasive materials up to 7/32"	10, 1 per card
30003	18	2-3/4"	Cuts stainless steel & other abrasive materials up to 7/32"	10, 1 per card

## U-shank Jig Saw Blade Sets

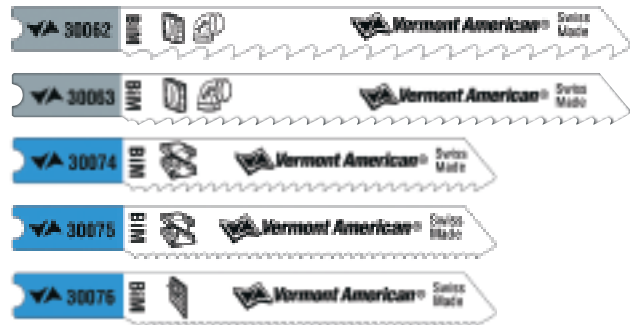


### High Speed Steel U-shank Jig Saw Blade Set

High speed steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

## 30044 Multi-purpose cutting in metal

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30023	1	10	2-3/4"	Cuts nail embedded wood / metal
30024	1	12	2-3/4"	Cuts thick metal / plastic 3/16" to 3/8"
30025	1	18	2-3/4"	Cuts aluminum / metal 1/8" to 1/4"
30026	1	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"



### Bi-metal U-shank Jig Saw Blade Sets

Bi-metal jig saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

## 30045 All-purpose cutting in metal

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30074	1	12	2-3/4"	Cuts thick metal 1/8" to 3/8"
30075	1	17	2-3/4"	Cuts iron / metal 1/8" to 1/4"
30076	1	21	2-3/4"	Cuts thin metal 1/16" to 3/16"

## 30083 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30062	1	6	3-5/8"	Fast cuts in wood & plastic up to 2"
30063	1	10	3-5/8"	Cuts wood & plastic up to 3/4"
30076	1	21	2-3/4"	Cuts thin metal 1/16" to 3/16"



## 30084 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30062	1	6	3-5/8"	Fast cuts in wood & plastic up to 2"
30063	1	10	3-5/8"	Cuts wood & plastic up to 3/4"
30074	1	12	2-3/4"	Cuts thick metal 1/8" to 3/8"
30075	1	17	2-3/4"	Cuts iron / metal 1/8" to 1/4"
30076	1	21	2-3/4"	Cuts thin metal 1/16" to 3/16"

## 30085 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30062	2	6	3-5/8"	Fast cuts in wood & plastic up to 2"
30063	2	10	3-5/8"	Cuts wood & plastic up to 3/4"
30074	1	12	2-3/4"	Cuts thick metal 1/8" to 3/8"
30075	1	17	2-3/4"	Cuts iron / metal 1/8" to 1/4"
30076	1	21	2-3/4"	Cuts thin metal 1/16" to 3/16"

## 30086 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30062	2	6	3-5/8"	Fast cuts in wood & plastic up to 2"
30063	2	10	3-5/8"	Cuts wood & plastic up to 3/4"
30074	1	12	2-3/4"	Cuts thick metal 1/8" to 3/8"
30075	2	17	2-3/4"	Cuts iron / metal 1/8" to 1/4"
30076	1	21	2-3/4"	Cuts thin metal 1/16" to 3/16"



### High Speed Steel / High Carbon Steel U-shank Jig Saw Blade Sets

High speed steel and high carbon steel jig saw blades are precision filed and set for maximum cutting performance in wood, ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

## 30033 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30012	1	6	3-5/8"	Fast cuts in wet wood 3/4" & up
30013	1	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"
30026	1	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"

## 30034 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30012	1	6	3-5/8"	Fast cuts in wet wood 3/4" & up
30013	1	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"
30015	1	13	2-3/4"	Scroll cuts in wood up to 1/8"
30026	1	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"
30030	1	10	2-3/4"	Scroll cuts in wood up to 3/4"

## 30036 All-purpose cutting in wood, metal & plastic, composite materials & drywall

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30012	2	6	3-5/8"	Fast cuts in wet wood 3/4" & up
30013	2	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"
30015	1	13	2-3/4"	Scroll cuts in wood up to 1/8"
30016	1	10	3-1/8"	Smooth cuts in wood up to 1-1/4"
30018	1	12	3-1/8"	Chip free cuts in wood, paneling & laminates up to 1"
30024	1	12	2-3/4"	Cuts thick metal / plastic 3/16" to 3/8"
30025	1	18	2-3/4"	Cuts aluminum / metal 1/8" to 1/4"
30026	1	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"
30029	1	8	3-5/8"	Cuts plaster / drywall
30030	1	10	2-3/4"	Scroll cuts in wood up to 3/4"

# Jig Saw Blades

## 30037 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30012	2	6	3-5/8"	Fast cuts in wet wood 3/4" & up
30013	2	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"
30015	1	13	2-3/4"	Scroll cuts in wood up to 1/8"
30018	1	12	3-1/8"	Chip free cuts in wood, paneling & laminates up to 1"
30019	1	10	3-1/8"	Cuts wood & plywood up to 2"
30025	1	18	2-3/4"	Cuts aluminum / metal 1/8" to 1/4"
30026	1	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"
30030	1	10	2-3/4"	Scroll cuts in wood up to 3/4"
30032	1	36	2-3/4"	Cuts sheet metal under 1/16"

## 30039 All-purpose cutting in wood, metal & plastic

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30012	2	6	3-5/8"	Fast cuts in wet wood 3/4" & up
30013	2	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"
30015	1	13	2-3/4"	Scroll cuts in wood up to 1/8"
30016	1	10	3-1/8"	Smooth cuts in wood up to 1-1/4"
30024	1	12	2-3/4"	Cuts thick metal / plastic 3/16" to 3/8"
30025	1	18	2-3/4"	Cuts aluminum / metal 1/8" to 1/4"
30026	1	21	2-3/4"	Cuts thin metal / plastic 1/16" to 3/16"
30030	1	10	2-3/4"	Scroll cuts in wood up to 3/4"



## High Carbon Steel U-shank Jig Saw Blade Sets

High carbon steel jig saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

## 30038 All-purpose cutting in wood, metal & composite materials

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30012	4	6	3-5/8"	Fast cuts in wet wood 3/4" & up
30013	4	10	3-5/8"	Fast cuts in wood & composite materials up to 3/4"
30016	4	10	3-1/8"	Smooth cuts in wood up to 1-1/4"
30025	4	18	2-3/4"	Cuts aluminum / metal 1/8" to 1/4"
30030	4	10	2-3/4"	Scroll cuts in wood up to 3/4"

## 85450 All-purpose cutting in wood

Contents	Pkg Qty	Teeth Per In	Blade Length	Application
30112	15	6	3-5/8"	All-purpose cutting in wood

# RECIPROCATING SAW BLADES

BiMetal

DEMOLITION  
Wood/Nails

MADE IN  
USA

Vermont  
American

MADE  
IN  
USA

BI  
METAL

High Carbon Steel /  
High Speed Steel

MADE  
IN  
USA

HSS

WOODEATER

HSS

  
**Vermont  
American**

[www.vermontamerican.com](http://www.vermontamerican.com)

# Reciprocating Saw Blades

## Selecting the Right Reciprocating Saw Blade for the Job

### Step 1. Match the blade to the job

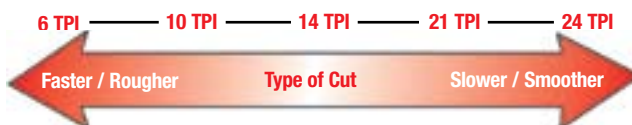
#### Blade types


- 1. Bi-metal (BiM)** - This highly flexible, tough combination of HSS and HCS results in a blade suitable for the most demanding applications when there is a risk of breakage or when extreme versatility is required.
- 2. High speed steel (HSS)** - Fully hardened high-speed steel blades, ideal for cutting metal, aluminum and non-ferrous metal.
- 3. High carbon steel (HCS)** - Excellent blades for softer materials such as wood, laminated particleboard and plastics.

### Step 2. Choose the correct tooth geometry for the type of cut desired

#### Teeth per inch (TPI)

Every material has a different density. To achieve the best possible cutting quality and the fastest cutting time, it is important to match material density with the proper blade geometry.

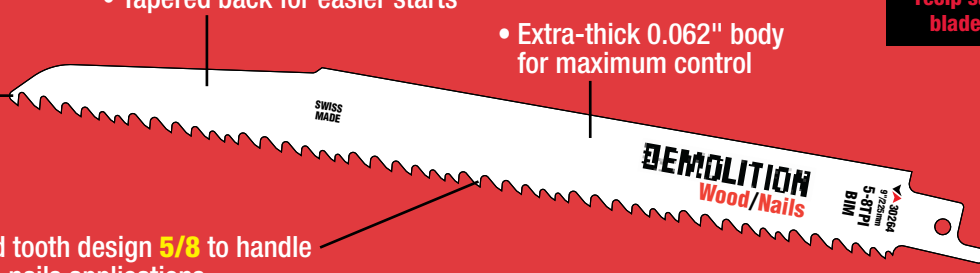




# DEMOLITION

## Bi-Metal Reciprocating Saw Blades

Up to  
**30%**  
FASTER  
IN METAL  
vs. standard  
recip saw  
blades



- Tip designed for plunge cuts
- Tapered back for easier starts
- Extra-thick 0.062" body for maximum control
- Reinforced tooth design 5/8 to handle wood with nails applications

**VARIABLE PITCH Tooth Geometry**

## Demolition Bi-Metal Reciprocating Saw Blades

Item #	Blade length	Teeth Per Inch	Application	Quantity
30261	6"	8+10	Metal Demolition	5, 3 per pouch
30262	9"	8+10	Metal Demolition	5, 3 per pouch
30263	6"	5/8	Wood with Nails Demolition	5, 3 per pouch
30264	9"	5/8	Wood with Nails Demolition	5, 3 per pouch
30265	12"	5/8	Wood with Nails Demolition	5, 3 per pouch
30266	6"	10/14	General Purpose Demolition	5, 3 per pouch
30267	9"	10/14	General Purpose Demolition	5, 3 per pouch
30268	12"	10/14	General Purpose Demolition	5, 3 per pouch

# Reciprocating Saw Blades

## Bi-metal Reciprocating Saw Blades

Bi-metal reciprocating saw blades last 10 times longer than high carbon steel blades and twice as long as high speed steel blades. A flexible, spring steel back extends the life of the blade, while super-hard high speed steel teeth provide a sharp, long-lasting cutting edge.

### XTEND™ Cordless Series Reciprocating Saw Blades



XTEND™ cordless series ultra-thin blades create less drag and increase speed, yielding more cuts per battery charge. Teeth are precision ground for fast, smooth cuts. Plunge cut tip ensures fast starts in wood.

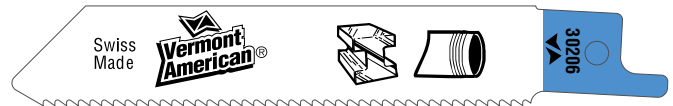
- Wood cutting blade cuts all wood types including plywood, treated lumber, wood decking, composite decking and tree limbs
- Metal cutting blade cuts all ferrous and non-ferrous metals including metal ducts, metal conduit (EMT), copper pipe, aluminum siding, steel siding, tin roofing, gutters and metal framing
- All-purpose blade cuts a wide variety of materials including sheet metal, plastics, particleboard, fiberglass, veneers, asphalt roofing, metal ducts, metal conduit, copper pipe, wood siding, vinyl siding, aluminum siding, steel siding, tin roofing, gutters and downspouts

Item #	Blade Length	Teeth Per Inch	Application	Quantity
30545	6"	Progressive	Cuts ferrous & non-ferrous metal	5, 2 per card
30550	6"	Progressive	All-purpose cutting	5, 2 per card
30540	8"	Progressive	Cuts all wood types	5, 2 per card
30553	Assorted	Progressive	Assorted	5, 3 per card

### For Cutting Wood

Item #	Blade Length	Teeth Per Inch	Application	Quantity
30230	6"	6	Fast cuts in wood / nail embedded wood	5, 1 per card or 5 per pouch
30280	6"	6	Fast cuts in wood / nail embedded wood	3, 5 per card
30233	9"	6	Fast cuts in wood / nail embedded wood	5, 1 per card or 5 per pouch
30283	9"	6	Fast cuts in wood / nail embedded wood	3, 5 per card
30234	12"	6	Fast cuts in wood / nail embedded wood	5, 1 per card or 5 per pouch
30284	12"	6	Fast cuts in wood / nail embedded wood	3, 5 per card

### For Cutting Metal / All Purpose



**10X**  
LIFE  
vs standard recip saw blades

Item #	Blade Length	Teeth Per Inch	Application	Quantity
30205	4"	10	Cuts Masonite® / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	5, 1 per card or 5 per pouch
30255	4"	10	Cuts Masonite® / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	3, 5 per card
30206	4"	14	Cuts rebar / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	5, 1 per card or 5 per pouch
30256	4"	14	Cuts rebar / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	3, 5 per card
30207	4"	18	Cuts pipe / ferrous & non-ferrous metals up to 1/8"	5, 1 per card or 5 per pouch
30257	4"	18	Cuts pipe / ferrous & non-ferrous metals up to 1/8"	3, 5 per card
30208	4"	24	Cuts sheet metal / pipe / ferrous & non-ferrous metals up to 18 gauge	5, 1 per card or 5 per pouch
30258	4"	24	Cuts sheet metal / pipe / ferrous & non-ferrous metals up to 18 gauge	3, 5 per card
30223	6"	10	Cuts Masonite® / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	5, 1 per card or 5 per pouch
30273	6"	10	Cuts Masonite® / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	3, 5 per card
30209	6"	14	Cuts rebar / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	5, 1 per card or 5 per pouch
30259	6"	14	Cuts rebar / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	3, 5 per card
85480	6"	14	Cuts rebar / nail embedded wood / ferrous & non-ferrous metals 1/8" & up	10 per tube
30210	6"	18	Cuts pipe / ferrous & non-ferrous metals up to 1/8"	5, 1 per card or 5 per pouch
30710	6"	18	Cuts pipe / ferrous & non-ferrous metals up to 1/8"	5 per pack
30260	6"	18	Cuts pipe / ferrous & non-ferrous metals up to 1/8"	3, 5 per card
30211	6"	24	Cuts sheet metal / pipe / ferrous & non-ferrous metals up to 18 gauge	5, 1 per card or 5 per pouch



# Reciprocating Saw Blades

## High Carbon Steel Reciprocating Saw Blades



High carbon steel reciprocating saw blades are precision filed and set for maximum cutting performance in wood. Teeth are precision ground for fast, smooth cuts.

Item #	Blade Length	Teeth Per Inch	Application	Quantity
30130	6"	6	Cuts multi-purpose / used lumber	5, 1 per card
30123	6"	8	Cuts multi-purpose / used lumber up to 3/4"	5, 1 per card
30133	9"	3	Fast cuts in wood	5, 1 per card
30290	9"	6	Fast cuts in gummy, wet wood such as 2 x 4's, 2 x 6's & 4 x 4's	5, 1 per card
30134	12"	6	Fast cuts / pruning in wood	5, 1 per card

## High Speed Steel Reciprocating Saw Blades For Cutting Metal



High speed steel reciprocating saw blades are precision filed and set for maximum cutting performance in ferrous and non-ferrous metals. Teeth are precision ground for fast, smooth cuts.

Item #	Blade Length	Teeth Per Inch	Application	Quantity
30106	4"	14	Cuts Masonite® / nail-embedded wood / ferrous metal over 3/16" & non-ferrous metal up to 1/8"	5, 1 per card
30107	4"	18	Cuts pipe / rebar / ferrous & non-ferrous metals up to 1/4"	5, 1 per card
30108	4"	24	Cuts pipe / sheet metals / ferrous & non-ferrous metals up to 1/8"	5, 1 per card
30110	6"	18	Cuts pipe / rebar / ferrous metal over 3/16" & non-ferrous metal up to 1/8"	5, 1 per card
85470	6"	18	Cuts pipe / rebar / ferrous metal over 3/16" & non-ferrous metal up to 1/8"	10 per tube
30111	6"	24	Cuts pipe / sheet metal / ferrous & non-ferrous metals up to 1/4"	5, 1 per card

Masonite® is a registered trademark of Masonite Corporation.

# HOLE SAWS

Quick Change System



BiMetal



Carbon



**Vermont  
American**

[www.vermontamerican.com](http://www.vermontamerican.com)



# Hole Saws

## Quick Change Bi-Metal Hole Saw System

For Heavy Duty Cutting in Wood, Plastics, Composite Materials and Metal

- Progressor™ tooth geometry for fast cutting action
- Hex shank pilot bit quickly pushes plug out
- Bi-Metal Cup
- Positive lock design minimizes wobble

Adapters fit most major brand hole saws



### Quick Change Mandrel & Adapter Nuts

One mandrel is all you need with the Quick Change bi-metal hole saw system. A heavy-duty hex shank provides easy change-out of any size hole saw — no pliers needed.

- Threadless design prevents seizing up in the mandrel
- Positive lock design minimizes wobble
- Mandrel accepts any 1/4" hex shank power accessory including spade bits and power screwdriver bits
- Snap the hole saw off the mandrel for easy plug removal. When the cup is re-attached to the mandrel, the pilot drill will push the plug out
- Cutting teeth are combined with specially designed chip-removal teeth for super-fast cutting action in metal and wood

### Quick Change Mandrels

Item #	Description
18613	Quick Change mandrel 3/8"
18614	Quick Change mandrel 1/2"
18615	SDS-plus® Quick Change mandrel
18616	Pilot drill replacement for Quick Change mandrel
18617	12" ext. for 1/2" Quick Change mandrel
18618	12" ext. for 3/8" Quick Change mandrel
18627	Hole Enlarger Kit

SDS-plus® is a registered trademark of Robert Bosch GmbH.

### Quick Change Mandrel Adapter Sets

Item #	Description
18628	6 piece adapter set
18629	Quick change mandrel 3/8" w/adapters
18630	Quick change mandrel 1/2" w/adapters
18631	2 adapters small 9/16" to 1-3/16"
18632	2 adapters large 1-1/4" to 6"

### Hole Enlarger Kit

**Adapter**

**Large washer for hole saws 1-1/4"-6"**

**Small washer for hole saws 9/16"-1-3/16"**

Three Easy steps to enlarge holes clearly

1. Attach washer
2. Attach hole saw with correct hole diameter
3. Attach hole saw that matches original hole diameter (serves as pilot bit)

SDS-plus® is a registered trademark of Robert Bosch GmbH.



## Hole Saw Systems

Vermont American has designed 4 types of Hole Saw Systems to meet the needs of every user.

### Quick Change Mandrels and Adapters

- Our Quick Change Mandrel System eliminates the need for changing mandrels with each hole saw cup - saving user's time and frustration.
- For heavy duty cutting in wood, plastics, composite materials and any machinable metal (stainless steel, mild steel, cast iron, copper, brass, aluminum). Includes sizes from 9/16" to 6".

### Bi-metal Hole Saws

- The Bi-Metal Hole Saws contain an extremely durable high speed steel that last up to **5 X LONGER**.
- For heavy duty cutting in wood, plastics, composite materials and any machinable metal (stainless steel, mild steel, cast iron, copper, brass, aluminum). Includes sizes from 9/16" to 6".

#### Bi-metal hole saw sets

- 9 piece set for plumbers.
- 10 piece set for electricians.
- Lock installation kits.
- 7 piece set for automotive.

#### Mandrels for bi-metal hole saws

- Quickchange mandrels.
- Standard - Fits sizes 9/16" to 1-3/16".
- General purpose - Fits sizes 9/16" to 6".
- Heavy duty pinned - Fits sizes 1-1/4" to 6".

#### Fast cut hole saws

- Ideal for cutting fast in wood. Includes sizes from 1" to 2-1/2".

#### 12" mandrel extension

- For use with mandrel 18503.
- Replacement pilot drills.

### Carbon Steel Hole Saws

- The Carbon Steel Hole Saws are specially engineered to produce clean, fast cuts in woods, plastics and composite materials.
- For cutting wood, plastic and composition materials up to 3/4" thick. Economical for occasional use. Includes sizes 3/4" to 2-1/2".

#### Carbon hole saw sets

- 5 piece set.

#### Adjustable carbon steel hole saw

- Adjustable sizes from 1-1/8" to 2-1/2".

#### Mandrels for carbon steel hole saws

- Fits sizes 3/4" to 1-1/8" and sizes 1-1/4" to 2-1/2".

#### Lock installation kits

- Lock installation kits for all types of door locks. For wood and metal doors.

#### Replacement pilot drills

- To replace worn out pilot drills on hole saw mandrel.

## Hole Saw Selection Guide

Description	Duty	Material	Product Line
Quick Change System	Heavy	Fits most major brand hole saws	
Bi-Metal	Heavy	Wood, plastics, composite material, metal	33 hole saw cups
Carbon Steel	Standard	Wood, plastics, composite material	15 hole saw cups
Adjustable Saw	Standard	Wood, plastics, composite material	1-1/8" to 2-1/2" size

# Hole Saws



## Standard Bi-metal Mandrels

Bi-metal mandrels fit all brands of industrial bi-metal hole saws.

- Equipped with 1/4" replaceable high speed steel pilot drill

Item #	Fits Hole Saw Diameters
18501	9/16" to 1-3/16"
18502	9/16" to 6"
18503	1-1/4" to 6"



## Replacement Drills

Replacement drill sizes for use with standard bi-metal mandrels.

Item #	Fits Mandrel #	Quantity
18504	18501 & 18503	5, 1 per card
18505	18502	5, 1 per card
18506	18405, 18408, 18409, 18412, & 18413	5, 1 per card

## Bi-metal Hole Saws

For heavy duty cutting in all woods, plastics, composite materials and metal. The super-hard high speed steel cutting edge lasts 5 times longer than standard hole saws.



- Used by electricians, plumbers, mechanics and other heavy-duty users
- Produces 1-5/8" depth of cut
- Fits standard and plug ejecting mandrels

Item #	Diameter	Fits Mandrel #
18509	9/16" (14 mm)	18501 & 18502
18510	5/8" (16 mm)	18501 & 18502
18512	3/4" (19 mm)	18412, 18413, 18501 & 18502
18514	7/8" (22 mm)	18412, 18413, 18501 & 18502
18516	1" (25 mm)	18412, 18413, 18501 & 18502
18517	1-1/16" (27 mm)	18412, 18413, 18501 & 18502
18518	1-1/8" (29 mm)	18412, 18413, 18501 & 18502
18520	1-1/4" (32 mm)	18408, 18409, 18501 & 18502
18521	1-5/16" (33 mm)	18408, 18409, 18501 & 18502
18522	1-3/8" (35 mm)	18408, 18409, 18501 & 18502
18524	1-1/2" (38 mm)	18405, 18408, 18409, 18501 & 18502
18526	1-5/8" (41 mm)	18405, 18408, 18409, 18501 & 18502
18528	1-3/4" (44 mm)	18405, 18408, 18409, 18501 & 18502
18530	1-7/8" (48 mm)	18405, 18408, 18409, 18501 & 18502
18532	2" (51 mm)	18405, 18408, 18409, 18501 & 18502
18534	2-1/8" (54 mm)	18405, 18408, 18409, 18501 & 18502
18536	2-1/4" (57 mm)	18405, 18408, 18409, 18501 & 18502
18538	2-3/8" (60 mm)	18405, 18408, 18409, 18501 & 18502
18540	2-1/2" (64 mm)	18405, 18408, 18409, 18501 & 18502
18544	2-3/4" (70 mm)	18405, 18408, 18409, 18501 & 18502
18548	3" (76 mm)	18405, 18408, 18409, 18501 & 18502
18550	3-1/8" (79 mm)	18405, 18408, 18409, 18501 & 18502
18552	3-1/4" (83 mm)	18405, 18408, 18409, 18501 & 18502
18554	3-3/8" (86 mm)	18405, 18408, 18409, 18501 & 18502
18556	3-1/2" (89 mm)	18405, 18408, 18409, 18501 & 18502
18560	3-3/4" (95 mm)	18405, 18408, 18409, 18501 & 18502
18564	4" (102 mm)	18405, 18408, 18409, 18501 & 18502
18566	4-1/8" (105 mm)	18405, 18408, 18409, 18501 & 18502
18568	4-1/4" (108 mm)	18405, 18408, 18409, 18501 & 18502
18572	4-1/2" (114 mm)	18405, 18408, 18409, 18501 & 18502
18580	5" (127 mm)	18405, 18408, 18409, 18501 & 18502
18588	5-1/2" (140 mm)	18405, 18408, 18409, 18501 & 18502
18596	6" (152 mm)	18405, 18408, 18409, 18501 & 18502

## Bi-metal Hole Saw Sets

Hole saw sets feature the most popular sizes and selections for various applications.

- Includes plastic storage case



## Hole Saw Sets

Item #	Description	# of Pieces	Content
18597	Plumber set	9	3/4", 7/8", 1-1/8", 1-1/2", 1-3/4" & 2-1/4" hole saws; 2 mandrels; & one extension
18598	Electrician set	10	7/8", 1-1/8", 1-3/8", 1-3/4", 2" & 2-1/2" hole saws; 3 mandrels; & one extension
18599	Automotive set	6	7/8", 1", 1-1/8", 1-1/4" & 1-1/2" hole saws & one mandrel

## Lock Installation Kit Sets

Item #	Description	Deadbolt		Locksets	
		Size	W/ Latches	Door Type	Quantity
18337	Bi-metal lock kit with template	2-1/8"	1"	Wood, metal	1 set
18602	Bi-metal lock install kit	2-1/8"	15/16" or 1"	Wood, metal	1 set





## Carbon Steel Hole Saws

For cutting woods, plastics and composite materials up to 3/4" thick. Teeth are precision sharpened to produce smooth cuts. Constructed of hardened and tempered alloy steel for longer life.

- Fits all standard carbon steel mandrels

Item #	Diameter	Fits Mandrel #	Quantity
18312	3/4" (19 mm)	18301	5, 1 per card
18314	7/8" (22 mm)	18301	5, 1 per card
18316	1" (25 mm)	18301	5, 1 per card
18318	1-1/8" (29 mm)	18301	5, 1 per card
18320	1-1/4" (32 mm)	18303	5, 1 per card
18322	1-3/8" (35 mm)	18303	5, 1 per card
18324	1-1/2" (38 mm)	18303	5, 1 per card
18326	1-5/8" (41 mm)	18303	5, 1 per card
18328	1-3/4" (44 mm)	18303	5, 1 per card
18330	1-7/8" (48 mm)	18303	5, 1 per card
18332	2" (51 mm)	18303	5, 1 per card
18334	2-1/8" (54 mm)	18303	5, 1 per card
18336	2-1/4" (57 mm)	18303	5, 1 per card
18340	2-1/2" (64 mm)	18303	5, 1 per card



## Carbon Steel Mandrels

Carbon mandrels are designed to fit any brand of carbon steel hole saw.

- Equipped with 1/4" high speed steel pilot drill

Item #	Fits Hole Saw Diameters	Quantity
18301	3/4" to 1-1/8"	5, 1 per pack
18303	1-1/4" to 2-1/2"	5, 1 per pack



## Carbon Steel Hole Saw Sets

Contents	Package Quantity	Fits Mandrel #	Quantity
18398	5 pc. set	18303	1 set

## Lock Installation Kit Sets

Item #	Description	Deadbolt Size	Locksets W/ Latches	Door Type	Quantity
18338	Carbon lock kit with template	2-1/8"	1"	Wood	1 set
18381	Carbon lock install kit	2-1/8"	7/8"	Wood	3, 1 set per card
18382	Carbon lock install kit	2-1/8"	15/16" or 1"	Wood	3, 1 set per card

## Adjustable Hole Saw

Adjustable hole saw drills holes 1-1/8" to 2-1/2" in diameter in wood, plastic and composite material up to 3/4" thick.

- Fully hardened and tempered steel blades ensure long life
- Easy dial adjustment for setting cutting diameter
- Chucks directly into drill



Item #	Diameter
18401	1-1/8" to 2-1/2"



## Arbor Extension

7/16" hex shank coupler fits mandrel 18503

Item #	Length
18507	12"

Note: Extension and drill bit in excess of 8" should never exceed 600 RPM.

# Hole Saws

## Bi-metal Hole Saw Recommended Cutting Speeds (in RPMs)

Diameter	Tool and				
	Mild Steel	Cast Iron	Stainless Steel	Brass	Aluminum
9/16"	580	400	300	790	900
5/8"	550	365	275	730	825
11/16"	500	330	250	665	750
3/4"	460	300	230	600	690
13/16"	425	280	210	560	635
7/8"	390	260	195	520	585
15/16"	370	245	185	495	555
1"	350	235	175	470	525
1-1/16"	325	215	160	435	480
1-1/8"	300	200	150	400	450
1-3/16"	285	190	145	380	425
1-1/4"	275	180	140	360	410
1-5/16"	260	175	135	345	390
1-3/8"	250	165	125	330	375
1-7/16"	240	160	120	315	360
1-1/2"	230	150	115	300	345
1-9/16"	220	145	110	290	330
1-5/8"	210	140	105	280	315
1-11/16"	205	135	100	270	305
1-3/4"	195	130	95	260	295
1-13/16"	190	125	95	250	285
1-7/8"	180	120	90	240	270
2"	170	115	85	230	255
2-1/16"	165	110	80	220	245
2-1/8"	160	105	80	210	240
2-1/4"	150	100	75	200	225
2-5/16"	145	100	75	195	225
2-3/8"	140	95	70	190	220
2-1/2"	135	90	65	180	205
2-9/16"	130	85	65	175	200
2-5/8"	130	85	65	170	195
2-3/4"	125	80	60	160	185
2-7/8"	120	80	60	160	180
3"	115	75	55	150	170
3-1/8"	110	70	55	140	165
3-1/4"	105	70	50	140	155
3-3/8"	100	65	50	130	150
3-1/2"	95	65	45	130	145
3-5/8"	95	60	45	120	140
3-3/4"	90	60	45	120	135
3-7/8"	90	60	45	120	135
4"	85	55	40	110	130
4-1/8"	80	55	40	110	120
4-1/4"	80	55	40	110	120
4-3/8"	80	50	40	100	120
4-1/2"	75	50	35	100	105
4-3/4"	75	50	35	95	95
5"	65	45	30	90	90
5-1/2"	60	40	25	85	85
5-3/4"	55	35	25	75	75
6"	55	35	25	75	75

### Hole Saw Use and Care Information



#### Lubricants

Use a good cutting oil for faster, more efficient cutting in ferrous metals. Do not use cutting oil when cutting cast iron. Paraffin or beeswax is frequently used when cutting aluminum.

#### Workpiece position

Do not enter the workpiece at an angle. It is important to have all the saw teeth in contact with the material to avoid tooth damage.

#### Feeds

Hole saws require a level, even pressure to saw efficiently. Excessive pressure will contribute to premature wear, dulling of the teeth and tooth breakage. When cutting thick material, the saw should be removed from the cut at intervals to allow for chip clearances.

# ABRASIVES & POLISHING

## Diamond Blades



## Abrasive Blades



## Sanding & Polishing



  
**Vermont  
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# Abrasives & Polishing

## Diamond Blades

The new VA Diamond Blades can last up to **85X** vs. standard abrasive wheels...which saves you time and money!

Vermont American delivers excellent value with our updated Diamond Abrasive Blade Program. Contractors and DIY'ers get up to **85X** the life of an average abrasive blade with the new VA Turbo Diamond blade. That provides a savings for the life of the Diamond blade!



1 Diamond Blade

85 Abrasive Blades

Item #	Dia.	Type	Arbor	Max. RPM	Quantity
28504	4"	Continuous	7/8-5/8" bushing	14,500	1
28545	4-1/2"	Continuous	7/8-5/8" bushing	13,200	1
28507	7"	Continuous	5/8"	8,500	1
28510	10"	Continuous	5/8"	6,800	1
29204	4"	Turbo	7/8-5/8" bushing	14,500	1
29245	4-1/2"	Turbo	7/8-5/8" bushing	13,200	1
29277	7"	Turbo	DM(7/8)-5/8" bushing	8,500	10(bulk)
29207	7"	Turbo	DM(7/8)-5/8" bushing	8,500	1
28604	4"	Segmented	7/8-5/8" bushing	14,500	1
28645	4-1/2"	Segmented	7/8-5/8" bushing	13,200	1
28677	7"	Segmented	DM(7/8)-5/8" bushing	8,500	10(bulk)
28607	7"	Segmented	DM(7/8)-5/8" bushing	8,500	1
28612	12"	Segmented	1"-20mm bushing	6,300	1
28614	14"	Segmented	1"-20mm bushing	5,400	1

## Material Usage Guide

	Material:	Tile	Concrete	Brick	Block
		Continuous Rim	Green	Yellow	Yellow
SMOOTH	Turbo Rim	Red	Green	Green	Green
	Segmented Rim	Red	Green	Green	Green
ROUGH					

Legend: ■ Recommended ■ OK ■ Not Recommended

## Turbo Rim

For chip-free cutting in Tile, Granite, Slate and Porcelain



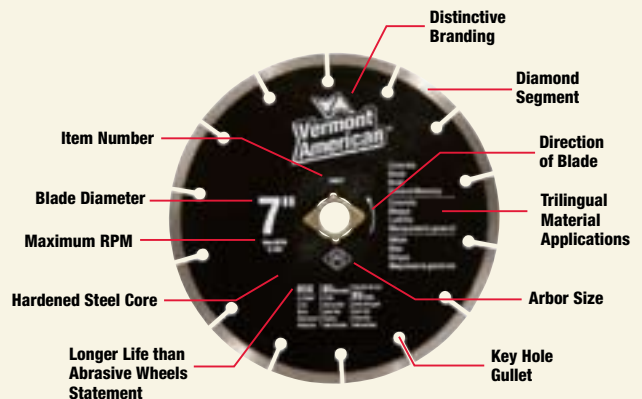
## Continuous Rim

For smooth cutting in Concrete, Block, Brick and General Masonry



## Segmented Rim

For general purpose cutting in Concrete, Pavers, Block, Brick and General Masonry



## Bonded Abrasives

**Vermont American® Bonded Abrasive Wheels**

**Layers of Strength**

- Fiberglass reinforcement provides extra strength to use wheel at maximum RPM and withstands lateral pressure.
- Vermont American uses only high quality grains.

**Information Pictos**

- Easy to for quick selection

**Bonded Labels**

- Product labels bonded in manufacturing process

**Wheel Ring**

- Reinforced metal arbor for added strength

Thin Metal Cut-off Wheels | 3/32" Metal & Masonry Straight Cut-off Wheels | Zirconium Flap Discs | Bonded Abrasive Wheels

**Fast Clean CUTS** | **20% LONGER LIFE** | **Up to 25X LIFE** | **Extra Strength for HIGH RPM'S**

### High Performance Abrasive Wheels for Cutting Steel (Type 1A or ISO 41)

Wheels provide high-performance cutting action in rebar, angle iron, iron pipe and other steel materials.



- Specially formulated ceramic-coated abrasive grain provides superior life with fast cut-offs in steel materials
- Wheel is double-reinforced for straighter cuts in steel bundles and heavy feed rates

Item #	Diameter	Arbor	Wheel Thickness	Tool Type	Max. RPM	Quantity
28049	7"	5/8**	3/32"	Circular saw	8,730	1
28050	7"	5/8**	3/32"	Circular saw	8,730	25 (bulk)
28038	12"	1"	1/8"	High speed saw	6,300	5 (bulk)
28044	12"	1"	7/64"	High speed saw	5,095	5 (bulk)
28039	14"	1"	1/8"	High speed saw	5,400	5 (bulk)
28045	14"	1"	7/64"	High speed saw	4,365	5 (bulk)

\* Wheel features 5/8" round arbor with 13/16" diamond knockout.

### Abrasive Wheels for Cutting Metal (Type 1A or ISO 41)

Recommended for cutting all types of metal including steel, bronze, brass, copper, aluminum, iron and wire products.



- Wheel can be used to debur, clean, slot, nick and cut metal
- Constructed of resinoid bonded aluminum oxide for increased durability
- Metal-reinforced arbors provide additional strength

Item #	Diameter	Arbor	Wheel Thickness	Tool Type	Max. RPM	Quantity
28026	6-1/2"	5/8**	1/8"	Circular	9,400	1
28076	6-1/2"	5/8**	1/8"	saw	9,400	25 (bulk)
28027	7"-7-1/4"	5/8**	1/8"	Circular	8,730	1
28077	7"-7-1/4"	5/8**	1/8"	saw	8,730	25 (bulk)
28028	8"	5/8**	1/8"	Circular	7,640	1
28078	8"	5/8**	1/8"	saw	7,640	25 (bulk)
28035	10"	5/8"	1/8"	High speed saw	6,115	1
28032	12"	1"	1/8"	High speed saw	6,300	1
28036	12"	1"	1/8"	High speed saw	6,300	5 (bulk)
28033	14"	1"	1/8"	High speed saw	5,400	1
28037	14"	1"	1/8"	High speed saw	5,400	5 (bulk)

\* Wheel features 5/8" round arbor with 13/16" diamond knockout.

### Abrasive Wheels for Cutting Masonry / Concrete (Type 1A or ISO 41)

Recommended for cutting all types of masonry, concrete, concrete block, limestone, sandstone and tile.



- Constructed of resinoid bonded silicon carbide for increased durability
- Metal-reinforced arbors provide additional strength

Item #	Diameter	Arbor	Wheel Thickness	Tool Type	Max. RPM	Quantity
28001	6-1/2"	5/8**	1/8"	Circular	9,400	1
28051	6-1/2"	5/8**	1/8"	saw	9,400	25 (bulk)
28002	7"-7-1/4"	5/8**	1/8"	Circular	8,730	1
28052	7"-7-1/4"	5/8**	1/8"	saw	8,730	25 (bulk)
28053	8"	5/8**	1/8"	Circular saw	7,640	1
28005	10"	5/8"	1/8"	High speed saw	6,115	1
28018	10"	5/8"	1/8"	High speed saw	6,115	5 (bulk)
28007	12"	1"	1/8"	High speed saw	6,300	1
28019	12"	1"	1/8"	High speed saw	6,300	5 (bulk)
28008	14"	1"	1/8"	High speed saw	5,400	1
28020	14"	1"	1/8"	High speed saw	5,400	5 (bulk)

\* Wheel features 5/8" round arbor with 13/16" diamond knockout.



# Abrasives & Polishing

## Straight Grinder Wheels (Type 1A or ISO 41)



Metal cutting wheels cut all types of metal including steel, bronze, brass, copper, aluminum, iron and wire products. Masonry cutting wheels cut masonry, concrete, concrete block, limestone, sandstone and tile.

- Metal cutting wheels constructed of resinoid bonded aluminum oxide
- Masonry cutting wheels constructed of resinoid bonded silicon carbide
- All wheels must be use with a guard

Item #	Wheel			Description	Max. RPM	Quantity
	Diameter	Thickness	Arbor			
17362	4"	.040"	5/8"	Thin cutting for metal	15,250	25 (bulk)
17363	4-1/2"	.040"	7/8"	Thin cutting for metal	13,280	25 (bulk)
17366	4"	3/32"	5/8"	Cutting for metal	15,250	25 (bulk)
17367	4-1/2"	3/32"	7/8"	Cutting for metal	13,280	25 (bulk)
17368	4"	3/32"	5/8"	Cutting for masonry	15,250	25 (bulk)
17369	4-1/2"	3/32"	7/8"	Cutting for masonry	13,280	25 (bulk)
17030	3"	1/16"	3/8"	Equipped with 3/8" mandrel for use in power drill	25,000; 3,000	5, 1 mandrel & 3 discs per card
17031	3"	1/16"	3/8"	Abrasive discs only	25,000	5, 5 discs per card

## Depressed Center Grinding Wheels — Metal (Type 27)

Ideal for weld grinding, surface conditioning, fast cut-off, notching and stock removal tasks.



- Aluminum oxide grit, 24 grit grain size, in the middle range on the bond hardness scale
- Durable aluminum oxide provides fast metal removal
- Quick change threaded hubs for 7" and 9" angle grinders
- Wheels with 1/8" thickness are ideal for fast cut-off
- Wheels with 1/4" thickness are recommended for heavy duty stock removal
- For use with angle grinders

Item #	Diameter	Arbor	Thickness	Grit	Max. RPM	Quantity
17364	4"	5/8"	.040"	AS60	15,250	25 (bulk)
17365	4-1/2"	7/8"	.040"	AS60	13,280	25 (bulk)
17371	4"	5/8"	1/8"	A24R	15,000	1
17451	4"	5/8"	1/8"	A24R	15,000	10 (bulk)
17373	4"	5/8"	1/4"	A24R	15,000	1
17453	4"	5/8"	1/4"	A24R	15,000	10 (bulk)
17458	4-1/2"	7/8"	1/8"	A24R	13,000	10 (bulk)
17380	4-1/2"	7/8"	1/4"	A24R	13,000	1
17460	4-1/2"	7/8"	1/4"	A24R	13,000	10 (bulk)
17466	7"	5/8"-11	1/8"	A24R	8,600	10 (bulk)
17468	7"	5/8"-11	1/4"	A24R	8,600	10 (bulk)
17474	9"	5/8"-11	1/8"	A24R	6,800	10 (bulk)
17476	9"	5/8"-11	1/4"	A24R	6,800	10 (bulk)
517462	180 mm	22 mm	3.175 mm	A24R	8,600	10 (bulk)
517464	180 mm	22 mm	6.35 mm	A24R	8,600	10 (bulk)
517478	230 mm	22 mm	3.175 mm	A24R	6,800	10 (bulk)
517480	230 mm	22 mm	6.35 mm	A24R	6,800	10 (bulk)

## Abrasive Wheels for Cutoff Machines

For cutting steel, aluminum studs, angle iron, pipe and conduit.



- Thin kerf design results in faster cutting and less drag
- Ideal for low-RPM stationary machines

Item #	Diameter	Arbor	Wheel Thickness	Tool Type	Max. RPM	Quantity
28042	12"	1"	3/32"	Abrasive cutoff machine	5,095	5 (bulk)
28043	14"	1"	3/32"	Abrasive cutoff machine	4,365	5 (bulk)

## Depressed Center Grinding Wheels — Masonry (Type 27)

For general applications in concrete, stone and masonry products.



- Silicon carbide grain, 24 grit grain size, in the soft to medium range on the bond hardness scale
- Quick change threaded hubs for 7" and 9" angle grinders
- Wheels with 1/8" thickness are ideal for fast cut-off
- Wheels with 1/4" thickness are recommended for heavy duty stock removal
- For use with angle grinders

Item #	Diameter	Arbor	Thickness	Grit	Max. RPM	Quantity
17370	4"	5/8"	1/8"	C24P	15,000	1
17450	4"	5/8"	1/8"	C24P	15,000	10 (bulk)
17372	4"	5/8"	1/4"	C24P	15,000	1
17452	4"	5/8"	1/4"	C24P	15,000	10 (bulk)
17457	4-1/2"	7/8"	1/8"	C24P	13,000	10 (bulk)
17459	4-1/2"	7/8"	1/4"	C24P	13,000	10 (bulk)
17467	7"	5/8"-11	1/4"	C24P	8,600	10 (bulk)
517461	180 mm	22 mm	3.175 mm	C24P	8,600	10 (bulk)
517463	180 mm	22 mm	6.35 mm	C24P	8,600	10 (bulk)
517477	230 mm	22 mm	3.175 mm	C24P	6,800	10 (bulk)
517479	230 mm	22 mm	6.35 mm	C24P	6,800	10 (bulk)

## Flap Discs — (Type 29)

Flap discs combine aggressive sanding properties with soft, low-vibration running.



- High material removal rate, high surface quality and smooth polish

Item #	Diameter	Arbor	Grit	RPM	Quantity
17374	4-1/2"	7/8"	Z40	13,280	10 (bulk)
17375	4-1/2"	7/8"	Z60	13,280	10 (bulk)
17376	4-1/2"	7/8"	Z80	13,280	10 (bulk)
17377	4-1/2"	7/8"	Z120	13,280	10 (bulk)



## Sanding & Polishing Kits

Ideal for general purpose sanding and polishing with electric drills.

- Sets include flexible rubber pad, polishing bonnet and aluminum oxide sanding disc
- Flexible rubber pad for flat or contour sanding and polishing without gouging
- 1/4" shank fits all drills



Item #	Diameter	Quantity
16983	5"	10, 4pc./kit
16984	6"	10, 4pc./kit

## Industrial Sanding Pad Kit

- Includes flexible backer pads and an assortment of aluminum oxide sanding discs
- Ideal for flat or contour sanding
- 1/4" shank fits all drills



Item #	Diameter	Quantity
16980	5"	10, 11pc./kit

## Drum Sanders

Ideal for sanding wood, fiberglass and metal and for sanding in awkward, hard-to-reach areas.

- 1/4" shank on drum fits any electric drill
- Durable resin abrasives are long lasting for tough sanding jobs



Item #	Grit	Quantity	Description
17071	Assorted	4	Drum & three assorted sleeves 1" x 1"
17072	Assorted	4	2F, 1M and 1C sleeves (refill) 1" x 1"
17077	Assorted	4	Drum & three assorted sleeves (kit) 2" x 1-1/2"
17078	Assorted	4	2F, 1M and 1C sleeves (refill) 2" x 1-1/2"

## Fiber Finishing Disc Kits

Tough silicon carbide cuts quickly through steel, brick, ceramic tile, rust or concrete.

- Shatterproof nylon mesh withstands tough jobs
- 1/4" shank fits all drills



Item #	Description	Quantity
16992	5" disc, backer pad & hardware	5, 3pc./kit
16993	Replacement discs	5, 1 per pack

## Backing Pads

For use with abrasive discs and polishing bonnets. The flexible rubber pad allows flat or contour sanding without gouging.



- 1/4" shank fits all drills

Item #	Diameter	Description	Quantity
16986	5"	Includes backing pad & hardware	10, 1 per card
16987	6"	Includes backing pad & hardware	10, 1 per card

## Industrial Wheels & Brushes

### Industrial Cup Brushes

Recommended for removing dirt, rust, scale, paint or welds from flat surfaces.



- For brushing welds, deburring and corrosion
- High strength carbon steel wire provides long life
- Precision balanced cup virtually eliminates vibration
- Fits all popular mini grinders

Item #	Diameter	Arbor	Wire Type	Max. RPM	Quantity
16830	3"	5/8"-11 arbor	Knotted	12,500	5, 1 per pack
16831	3"	5/8"-11 arbor	Crimped	14,000	5, 1 per pack
16853	3"	M10 x 1.25 arbor	Knotted	12,500	5, 1 per pack
16854	3"	M10 x 1.25 arbor	Crimped	14,000	5, 1 per pack

### Industrial Wire Wheels



Item #	Dia.	Arbor	Wire Type	Description	Max. RPM	Quantity
16835	4"	5/8"-11 arbor	Stringer bead	For brushing in weld joints, corners & slots	20,000	5, 1 per pack
16836	4"	5/8"-11 arbor	Twist	For brushing in weld scale, burrs & corrosion	20,000	5, 1 per pack
16855	4"	5/8"-11 arbor	Stainless steel knotted	For brushing welds, deburring & corrosion	20,000	5, 1 per pack
16856	4"	M10 x 1.25 arbor	Knotted	For brushing welds, deburring & corrosion	20,000	5, 1 per pack
16857	4"	M10 x 1.50 arbor	Stringer bead	For brushing welds, deburring & corrosion	20,000	5, 1 per pack

Note: Do not overload brushes by pressing too hard on bristles while in use.

# Abrasives & Polishing

## Metric Adapters

Fit all popular mini grinders.



Item #	Diameter	Description	Max. RPM	Quantity
16843	Adapter, 5/8"-11 to M10 x 1.25	Fits Makita, Jet & Black & Decker mini grinders	20,000	5, 1 per card
16844	Adapter, 5/8"-11 to M10 x 1.50	Fits Hitachi, Sioux & Skil mini grinders	20,000	5, 1 per card

## Brass Wheels & Brushes

### Brass Wire Cup Brushes with Hex Shank

Recommended for removing rust, scale or paint from flat surfaces.

- Brass-coated hardened steel wire reduces wire breakage and extends the life of the cup
- Precision balanced cup eliminates vibration
- 1/4" shank fits all drills



Item #	Diameter	Wire Type	Quantity
16781	2"	Coarse	5, 1 per pack
16782	2"	Fine	5, 1 per pack
16783	3"	Coarse	5, 1 per pack
16784	3"	Fine	5, 1 per pack

Maximum RPM: 6,000

### Brass Wire Wheels with Arbor

Recommended for removing rust, scale or paint.



Item #	Diameter	Wire Type	Arbor	Quantity
16795	3"	Coarse	1/2"	5, 1 per pack
16796	3"	Fine	1/2"	5, 1 per pack
16797	4"	Coarse	1/2"	5, 1 per pack
16798	4"	Fine	1/2"	5, 1 per pack
16799	5"	Coarse	5/8" or 1/2"	5, 1 per pack
16800	5"	Fine	5/8" or 1/2"	5, 1 per pack
16801	6"	Coarse	5/8" or 1/2"	5, 1 per pack
16802	6"	Fine	5/8" or 1/2"	5, 1 per pack

Maximum RPM: 6,000

## Brass Wire Wheels with Hex Shank

Recommended for removing rust, scale or paint on irregular surfaces.



Item #	Diameter	Wire Type	Quantity
16787	2"	Coarse	5, 1 per pack
16788	2"	Fine	5, 1 per pack
16789	2-1/2"	Coarse	5, 1 per pack
16790	2-1/2"	Fine	5, 1 per pack
16791	3"	Coarse	5, 1 per pack
16792	3"	Fine	5, 1 per pack
16793	4"	Coarse	5, 1 per pack
16794	4"	Fine	5, 1 per pack

Maximum RPM: 6,000

## Grinding Points & Sharpeners

### Bench Grinding Wheels

Recommended for grinding and sharpening steel.

- High quality aluminum oxide construction for faster cutting action
- Metal-reinforced arbor extends the life of the grinding wheel



Item #	Diameter	Grit	Thickness	Arbor	Quantity
17515	5"	Fine - 100	3/4"	1/2"	5, 1 per pack
17516	5"	Medium - 60	3/4"	1/2"	5, 1 per pack
17513	5"	Coarse - 36	1/2"	1/2"	5, 1 per pack
17521	6"	Fine - 100	3/4"	1/2"	5, 1 per pack
17522	6"	Medium - 60	3/4"	1/2"	5, 1 per pack
17523	6"	Coarse - 36	3/4"	1/2"	5, 1 per pack
17525	6"	Fine - 100	1"	1/2"	5, 1 per pack
17526	6"	Medium - 60	1"	1/2"	5, 1 per pack
17527	6"	Coarse - 36	1"	1/2"	5, 1 per pack

### Knife Sharpener

Quickly and easily sharpens knives and scissors.

- Constructed of aluminum oxide for fast sharpening
- Beveled stone features accurate angle for proper sharpening technique



Item #	Shank Diameter	Quantity
16730	1/4"	5, 1 per card

Maximum RPM: Please follow the recommended speed listed on product packaging.

## Grinding Points

Recommended for grinding and shaping metal.

- Constructed of aluminum oxide for fast removal of all types of metal
- 1/4" shank fits die grinders and all drills



Item #	Thickness	Useable Length	Description	Quantity
16701	3/4"	1-1/8"	Round pointed tree	5, 1 per card
16702	11/16"	1-1/4"	Pointed tree	5, 1 per card
16703	11/16"	7/8"	Pointed cylinder	5, 1 per card
16706	1-1/4"	1/4"	Pointed edge	5, 1 per card
16708	3/4"	3/4"	Round ball	5, 1 per card
16710	3/4"	1-1/4"	Cylinder	5, 1 per card
16711	1"	3/8"	Wheel	5, 1 per card

## Grinding Point Set

Item #	Thickness	Useable Length	Description	Quantity
16714	Assorted	Assorted	50 piece set	50, 50 per set

## Lawn Mower Sharpener

Recommended for sharpening lawn mower blades, tillers, hoes and other garden tools.

- Aluminum oxide construction for fast sharpening
- Beveled grinding wheel provides correct angle for proper sharpening technique



Item #	Shank Diameter	Quantity
16731	1/4"	5, 1 per card

Maximum RPM: Please follow the recommended speed listed on product packaging.

## Sanding Belt Cleaner

Works like an eraser to remove embedded particles.

- Extends the life of sanding belts, discs and drums by 10 times
- Cleans while sander is operating



Item #	Size
17889	4-1/2" x 1-1/2" x 1-1/2"

## Rotary Files & Rasps

### Rotary Files

For rasping or filing soft metal.

- Special alloy steel is hardened and tempered for long life and increased durability
- Precision cutting edges will not clog or load up
- 1/4" shank fits all drills



Item #	Thickness	Useable Length	Description	Quantity
16671	1/2"	7/8"	Domed cylinder	5, 1 per card
16672	1/2"	7/8"	Rounded tree	5, 1 per card
16674	1/2"	7/8"	Concave arc w/ball tip	5, 1 per card
16676	1/2"	7/8"	Inverted cone	5, 1 per card
16677	1/2"	7/8"	Cylinder	5, 1 per card
16678	1/2"	7/8"	Cone	5, 1 per card

### Rotary Rasps

For rasping or filing wood.

- Special alloy steel is hardened and tempered for increased durability and long life
- Precision cutting edges will not clog or load up
- 1/4" shank fits all drills



Item #	Thickness	Useable Length	Description	Quantity
16680	1/4"	7/8"	Cylinder	5, 1 per card
16681	5/8"	1-3/8"	Cylinder	5, 1 per card
16682	5/8"	1-3/8"	Domed cylinder	5, 1 per card
16684	5/8"	1-3/8"	Cone	5, 1 per card
16686	5/8" diameter	5/8" diameter	Ball	5, 1 per card

## 100 Percent Wool Finishing Bonnets

For automotive and marine finishing, these 100 percent lambswool finishing bonnets are perfectly balanced to minimize vibration and flutter.

- Attach to backer pad with drawstring
- Each size fits corresponding backing pad and one size smaller



Item #	Diameter	Pile	Quantity
16915	6"	1"	3, 1 per bag
16914	7"	1"	5, 1 per bag
16913	8"	1"	5, 1 per bag
16912	9"	1"	5, 1 per bag
16911	12"	1"	5, 1 per bag

# Abrasives & Polishing

## Round Up® Buffs

Ideal for all polishing jobs: boats, cars, cycles, skis and household items. Round-Up® edge prevents burring of painted surfaces. Buff is perfectly balanced to minimize vibration and flutter.



- Constructed of machine washable, extra-dense wool and synthetic fibers for longer life

Item #	Diameter	Pile	Quantity
16901*	5-1/2"	1"	1
16902	6"	1"	1
16903	7"	1"	1
16904	7"	1-1/4"	1

\* Equipped with 1/4" shank for use with drills.

## Synthetic / Wool Blend Finishing Bonnets



For automotive and marine finishing, these synthetic fiber / lambswool finishing bonnets are perfectly balanced to minimize vibration and flutter.

- Attach to backer pad with drawstring
- Each size fits corresponding backing pad and one size smaller

Item #	Diameter	Pile	Quantity
16989	5"	1"	5 (bulk)
16905	6"	1"	1
16990	6"	1"	5 (bulk)
16906	7"	1"	1
16907	8"	1"	1
16908	9"	1"	1
16922	10"	1"	1
16910	10"	1-1/2"	1

## Terry Cloth Polishing Bonnets

- For application and removal of liquid waxes and compounds
- Machine washable
- Use with random orbital polishers



Item #	Diameter	Quantity
16921	8"	5, 1 per bag
16920	9"	5, 1 per bag
16919	10"	5, 1 per bag

## Terry Cloth / Foam Reversible Polishing Bonnets

For application or removal of liquid waxes or compounds.



- Applicators are reversible: foam side applies liquid and waxes, terry cloth side removes liquid and waxes
- Machine washable

Item #	Diameter	Description	Quantity
16918	5"	For use with drills	5, 1 per bag
16917	6"	For use with drills	5, 1 per bag
16916	7"	For use with drills	5, 1 per bag

## Muslin Polishing Buffs

Ideal for buffing jewelry, brass and other fine materials. Concentrically sewn circles provide added strength.



- 1/2" arbor fits most bench grinders

Item #	Diameter	Quantity
17541	3"	10, 1 per bag
17542	4"	10, 1 per bag
17544	6"	10, 1 per bag

## Jeweler's Rouge



Designed for polishing gold, brass, jewelry and other fine materials.

- Premium polishing compound brings out the highest sheen
- For use with muslin polishing buffs

Item #	Quantity
17578	10, 1 per bag

# ROUTING & WOOD JOINERY



Carbide Router Bits



Wood Joinery



**Vermont  
American**

[www.vermontamerican.com](http://www.vermontamerican.com)

# Router Bits

## Features

**Vermont American** is designed to meet the needs of professional craftsmen, carpenters, do-it-yourselfers and hobbyists.

- Razor sharp cutting edges are diamond honed for satin smooth cuts
- Radial relief eliminates friction and chatter
- Optimized hook and shear angles for faster chip clearance and quicker feed rates
- Ball bearing guides on selected edging and trimming bits prevent burning and marring
- Triple tempered shanks for maximum durability



## Router Bits

### Product Features

Select Bits Include  
**Extra Bearing**

**2 Profiles  
in one  
bit**

#### Diamond Honed Finish

- Provides extremely sharp, long wearing edges

#### Fully Hardened & Tempered Steel

- For durability and long life

#### Anti-Friction Coating

- Minimizes residue build-up

#### Controlled Depth of Cut Design

- Minimizes kickback

#### Precision Ball Bearings

- With dust shields for long lasting performance

#### Industrial Grade Carbide:

- Micrograin carbide for smooth cutting edges

## Color Coded System

**Straight/  
Mortising**

**Trimming/  
Cutout**

**Cabinetry/  
Joinery**

**Surface  
Forming**

**Edge  
Forming**



## Trimming / Cutout



## Trimming Bits

For fast smooth trimming and through cutting of laminates, plywood, paneling and other materials

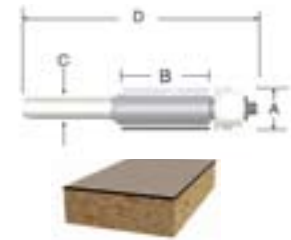
### 1/2" Flush Trim Bit

Item #	Description	IP Qty	MP Qty
23159	1/2" x 1" flush trim 1/4 shank router bit	5	50



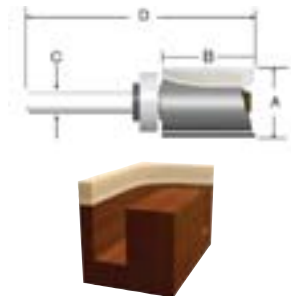
### 3/8" Flush Trim Bit

Item #	Description	IP Qty	MP Qty
23160	3/8" x 9/16" flush trim 1/4 shank router bit	5	50



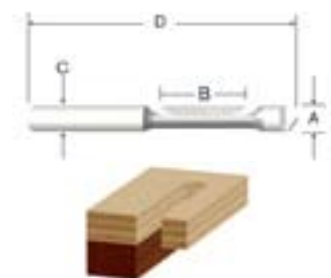
### 1/2" Template Trim Bit

Item #	Description	IP Qty	MP Qty
23161	1/2" x 1" straight template trim 1/4 shank router bit	5	50



### 1/4" Pilot Panel Bit

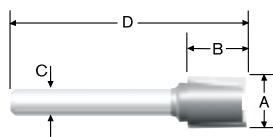
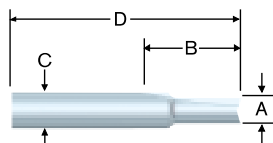
Item #	Description	IP Qty	MP Qty
23162	1/2" pilot panel 1/4 shank router bit	5	50





# Router Bits

## Straight / Mortising



## Straight / Mortising Bits

Use straight bits for template cutting, rabbeting and trimming

### Straight Bits

- Items 23100, 23101, 23102 are single flute bits.
- Designed for roughing operations where high production feed rates are essential. Optimum chip clearance. Specially designed tip for fast plunge cutting.

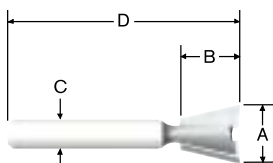
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Quantity
23100	1/8"	5/16"	1/4"	2"	5, 1 per box
23101	3/16"	1/2"	1/4"	2"	5, 1 per box
23102	1/4"	5/8"	1/4"	1-7/8"	5, 1 per box
23103	1/4"	1"	1/4"	2-1/4"	5, 1 per box
23104	5/16"	1"	1/4"	2-1/4"	5, 1 per box
23105	3/8"	1"	1/4"	2-3/16"	5, 1 per box
23106	1/2"	1"	1/4"	2-3/16"	5, 1 per box
23107	1/2"	1-1/4"	1/4"	2-7/16"	5, 1 per box
23108	5/8"	1"	1/4"	2-3/16"	5, 1 per box
23109	3/4"	1"	1/4"	2-3/16"	5, 1 per box

### Mortising Bits

- Fast cutting bit for making mortises when work is started at the edge. Smooth finish makes this bit ideal for surfacing operations. Also used when good chip clearance is important in material such as gummy wood.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Quantity
23110	1/2"	1/2"	1/4"	2"	5, 1 per box
23111	5/8"	25/32"	1/4"	2"	5, 1 per box
23112	3/4"	25/32"	1/4"	2"	5, 1 per box

## Cabinetry / Joinery



## Cabinetry / Joinery Bits

Use joinery bits for various types of joint applications

### Dovetail Bits

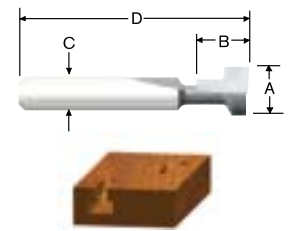
- For dovetail joint applications. Cutting edges are precision-ground for extra smooth cuts.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Angle	Quantity
23113	3/8"	3/8"	1/4"	1-3/4"	9 degrees	5, 1 per box
23114	1/2"	15/32"	1/4"	2-1/16"	15 degrees	5, 1 per box
23115	9/16"	1/2"	1/4"	2-5/8"	7.5 degrees	5, 1 per box

## Keyhole Bit

- For making keyhole slots for picture frames, shelves, mirrors, cabinets and other wall hangings.

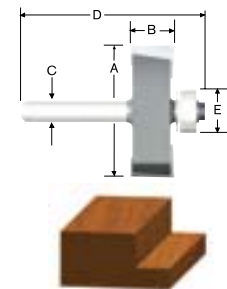
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Quantity
23116	3/8"	7/16"	1/4"	1-7/8"	5, 1 per box



## Rabbeting Bits

- 23117 produces a rabbet width of 3/8", 23118 produces a rabbet width of 1/2"
- Equipped with pilot for making rabbeting cuts without use of a router guide.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Quantity
23117	1-1/4"	1/2"	1/4"	2-1/8"	1/2"	5, 1 per box
23118	1-1/2"	1/2"	1/4"	2-1/8"	1/2"	5, 1 per box



## Surface Forming

## Surface Forming Bits

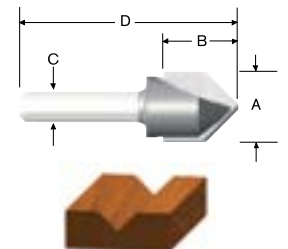


Use surface forming bits for grooving, lettering and sign

## V-groove Bits

- For door front grooving, lettering and sign work. Shear angle cutter geometry for efficient cutting.

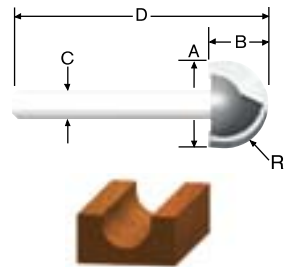
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Angle	Quantity
23119	7/16"	9/16"	1/4"	1-25/32"	60 degrees	5, 1 per box
23120	1/2"	1/2"	1/4"	1-3/4"	90 degrees	5, 1 per box



## Corebox Bits

- Cuts rounded grooves used in a variety of applications ranging from doors to columns.

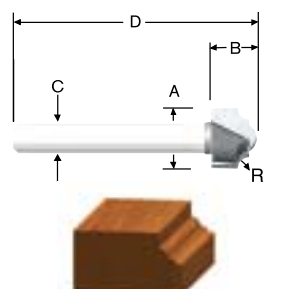
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Radius	Quantity
23121	1/4"	3/8"	1/4"	1-9/16"	1/8"	5, 1 per box
23122	3/8"	3/8"	1/4"	1-9/16"	3/16"	5, 1 per box
23123	1/2"	1/2"	1/4"	1-9/16"	1/4"	5, 1 per box
23124	5/8"	1/2"	1/4"	1-3/4"	5/16"	5, 1 per box
23125	3/4"	1/2"	1/4"	1-13/16"	3/8"	5, 1 per box



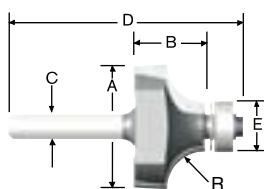
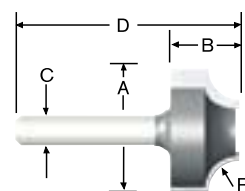
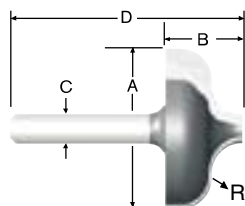
## Classical Bit

- For beautiful and decorative grooving. Adds a quality accent to any product. Also recommended for edge forming with a router guide.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Radius	Quantity
23126	1/2"	1/2"	1/4"	1-13/16"	3/32"	5, 1 per box



## Edge Forming



## Edge Forming Bits

Use edge forming bits to add attractive edging on wood pieces

### Ogee Bit

- For decorative edging and period furniture applications.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Radius	Quantity
23127	1-1/32"	5/8"	1/4"	1-7/8"	1/4"	5, 1 per box

### Ovolo Bit

- Quarter-round profile used for edge-forming or grooving.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Radius	Quantity
23128	1"	9/16"	1/4"	1-13/16"	1/4"	5, 1 per box

### Roundover / Beading Bits

- Create beading profiles by exchanging the 1/2" bearing with a 3/8" bearing (included with bit).
- Use roundover bits to create decorative edging and drop-leaf table joints. Create beading profiles with corner round bits by exchanging the 1/2" bearing with a 3/8" bearing (included with bit).

Bits Include  
**Extra Bearing**

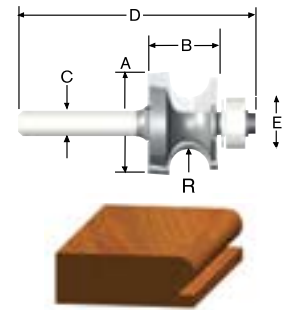
**2 Profiles  
in one  
bit**

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23129	5/8"	5/16"	1/4"	2"	1/2"	1/16"	5, 1 per box
23130	3/4"	13/32"	1/4"	2-1/8"	1/2"	1/8"	5, 1 per box
23131	7/8"	1/2"	1/4"	2-1/8"	1/2"	3/16"	5, 1 per box
23132	1"	17/32"	1/4"	2-3/16"	1/2"	1/4"	5, 1 per box
23133	1-1/8"	5/8"	1/4"	2-1/4"	1/2"	5/16"	5, 1 per box
23134	1-1/4"	21/32"	1/4"	2-5/16"	1/2"	3/8"	5, 1 per box
23135	1-1/2"	3/4"	1/4"	2-7/16"	1/2"	1/2"	5, 1 per box
23136	1-3/4"	15/16"	1/4"	2-5/8"	1/2"	5/8"	5, 1 per box

## Edgebead Bits

- Versatile bit adds attractive edging on new pieces and matches many older molding cuts for remodeling work.

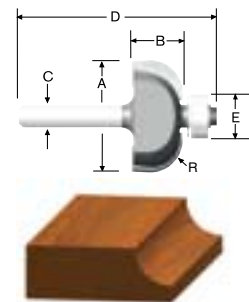
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23137	7/8"	9/16"	1/4"	2-1/4"	1/2"	1/8"	5, 1 per box
23138	1"	11/16"	1/4"	2-3/8"	1/2"	3/16"	5, 1 per box



## Cove Bits

- For decorative edging.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23139	1"	1/2"	1/4"	2-1/8"	1/2"	1/4"	5, 1 per box
23140	1-1/4"	9/16"	1/4"	2-3/16"	1/2"	3/8"	5, 1 per box
23141	1-1/2"	5/8"	1/4"	2-7/16"	1/2"	1/2"	5, 1 per box

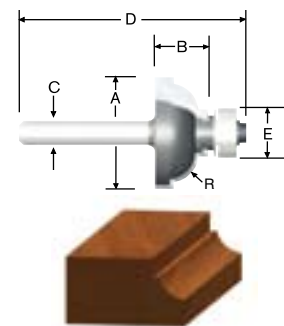


## Cove and Fillet Bits

- For decorative edging.
- Create cove profiles by exchanging 1/2" bearing with a 3/8" bearing (included with bit).

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23142	1"	1/2"	1/4"	2-1/8"	1/2"	3/16"	5, 1 per box
23143	1-1/8"	17/32"	1/4"	2-3/16"	1/2"	1/4"	5, 1 per box
23144	1-3/8"	21/32"	1/4"	2-5/16"	1/2"	3/8"	5, 1 per box

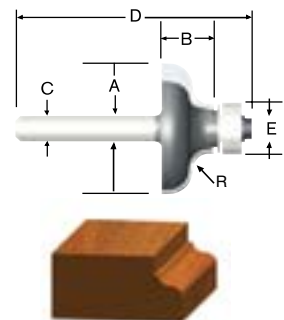
Bits Include  
**Extra Bearing**  
**2 Profiles in one bit**



## Ogee Bits

- Add the graceful symmetrically-balanced ogee cut to your product for eye-pleasing appeal.

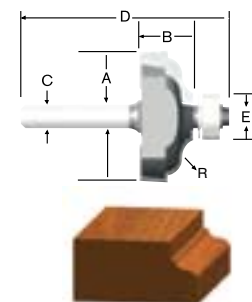
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23145	1-1/4"	1/2"	1/4"	2-1/8"	1/2"	3/16"	5, 1 per box
23146	1-1/2"	5/8"	1/4"	2-1/4"	1/2"	1/4"	5, 1 per box



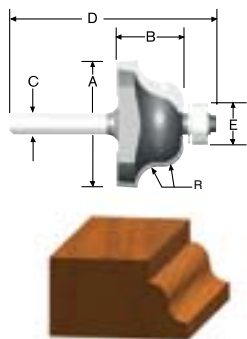
## Ogee Bits with Fillet

- One bit produces 3 different cuts. The graceful lines of the ogee cut can be attractively accented by one or two fillets by lowering depth setting or using 3/8" diameter bearing.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23147	1-3/8"	9/16"	1/4"	2-1/4"	1/2"	3/16"	5, 1 per box
23148	1-5/8"	3/4"	1/4"	2-7/16"	1/2"	1/4"	5, 1 per box



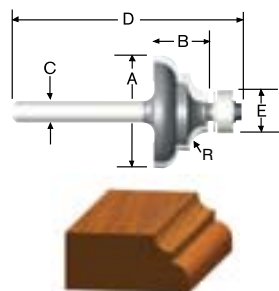
# Router Bits



## Roman Ogee Bits

- For decorative edging and period furniture.

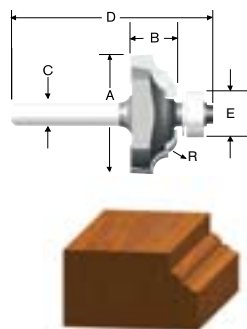
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23149	1-1/8"	1/2"	1/4"	2-1/8"	1/2"	5/32"	5, 1 per box
23150	1-1/2"	11/16"	1/4"	2-3/8"	1/2"	1/4"	5, 1 per box



## Cove and Bead Bits

- A classic woodworking design. An attractive accent to any piece.

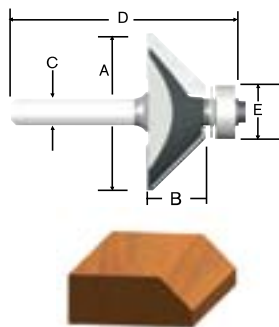
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23151	1"	15/32"	1/4"	2-1/8"	1/2"	1/8"	5, 1 per box
23152	1-1/4"	9/16"	1/4"	2-1/4"	1/2"	3/16"	5, 1 per box



## Classical Bits

- Adds classic beauty to your product with beautiful, decorative edging.

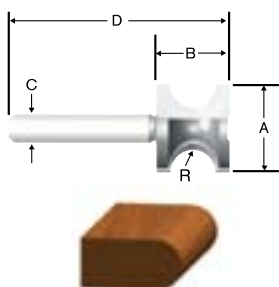
Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Radius	Quantity
23153	1-1/8"	1/2"	1/4"	2-1/8"	1/2"	1/8"	5, 1 per box
23154	1-3/8"	5/8"	1/4"	2-1/4"	1/2"	3/16"	5, 1 per box



## Chamfer Bit

- For decorative bevel edging and concealed joints.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	E. Bearing Diameter	Angle	Quantity
23155	1-3/8"	1/2"	1/4"	2-3/16"	1/2"	45 degrees	5, 1 per box



## Bull Nose Bits

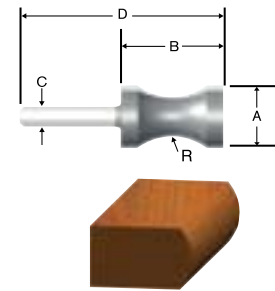
- For window sills, shelves or stair treads.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Radius	Quantity
23156	7/8"	3/4"	1/4"	2"	1/8"	5, 1 per box
23157	1"	7/8"	1/4"	2-1/8"	3/16"	5, 1 per box

## Convex Edge Bit

- Creates a shallow bull nose profile. Short flats above and below the arc create fillets on thicker stock.

Item #	A. Outer Diameter	B. Cutting Length	C. Shank Diameter	D. Overall Length	Radius	Quantity
23158	13/16"	1-1/4"	1/4"	2-1/2"	23/32"	5, 1 per box



## Router Bit Sets

Item #	Description	Contents
23000	6 pc. Router Bit Set	1/4", 3/8" and 1/2" straight; 3/8" roundover; 5/32" roman ogee; and 1/4" corebox bits
23002	12 pc. Router Bit Set	1/4", 1/2" and 3/4" straight; 1/2" laminate trim; 15° dovetail; 90° V-groove; 1/4" corebox; 1/4" and 3/8" roundover; 1/4" cove; 45° chamfer; and 5/32" roman ogee bits
23004	3 pc. Dovetail Set	1/4" straight, 15° dovetail, 7.5° dovetail
23006	3 pc. Trimming Set	1/2" x 1/2" laminate trim; 22° bevel trim; and 1/2" x 1" laminate trim bits
23008	3 pc. Hinge Mortising Set	1/2", 5/8" and 3/4" mortising bits
23009	4 pc. Decor Surfacing Set	1/8" straight; 90° V-groove; 3/16" corebox; and 3/32" classical bits
23013	4 pc. Round / Beading Set	1/8", 1/4", 3/8" and 1/2" roundover bits. Includes 3/8" bearing for beading profiles
23014	6 pc. Straight Set	1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" straight bits
23016	6 pc. Edge Forming Set	3/16" ogee; 3/8" and 1/2" roundover; 1/4" roman ogee; 45° chamfer; and 3/8" rabbeting bits

## Replacement Bearing Set

- 23165 Includes: 3/8" bearing, 1/2" bearing, 5/8" bearing, hex key, dust shield and screw

## Router Table



Item #	Size
23467	446 square inches with extensions, 236-1/4 square inches without extensions

### Standard Router Table

Converts router into a stationary woodworking tool. Table features almost 450 square inches of durable work surface and a master power switch that controls router and worklight or shop vacuum. Comes with a universal mounting plate for easy use with most brands of routers.

- Sturdy, high-density plastic table is lightweight and mounts to any work surface
- Two-piece, L-design fence is 1" high and features left-to-right adjustment capabilities
- Power switch with a dual outlet and a removable key to help prevent unauthorized use
- Universal mounting plate ensures proper fit of most routers
- Built-in miter gauge for making tough angled cuts
- Equipped with two reinforced heavy-duty steel extensions that add over 200 square inches of work space to the table

# Router Bits

## Router Accessories

### Dovetail Fixtures

Use dovetail fixtures to easily create tricky dovetailing. Jigs create up to four different dovetail joints, including flush offset half blind dovetail joints, rabbeted half blind dovetail joints, flush half blind dovetail joints and through dovetail joints (16" only).

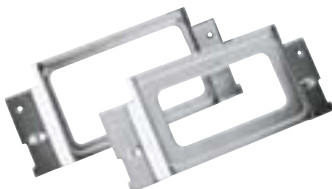


- With 23461, for through dovetails, one each required: 9/16" dovetail bit 22501 and 1/4" straight bit 22437

Item #	Description	Capacity
23460	Standard dovetail fixture	8"
23461	Industrial dovetail fixture	16"

### Hinge Mortising Template

Use the hinge mortising template for mortising door and jamb for 3-1/2" and 4" butt hinges.



- Includes templates for the two most popular interior and exterior hinge sizes
- Requires use of 5/8" router guide bushing (not included)

Item #	Description
23457	Hinge mortising template

### Biscuit Joiner

Convert your router into a plate / edge joiner with a biscuit joiner. Biscuit joinery is stronger than many conventional wood joining methods and can replace dowels, dadoes, tongue and groove, spline and mortise and tenon joints. Produce flat miter, leg and rail, panel-facer and edge joints.



- Recommended for routers with a 6" or smaller round base plate

Item #	Contents
23477	Contains biscuit joiner, carbide tipped cutter with arbor assembly, bushing, 24 biscuits (twelve #20, six #10 and six #0) and instructions



### Depth Gauge

This multi-purpose measuring gauge can be used to measure the height of router bits as well as depth of grooves, slots and dadoes, in addition to gauging fence settings and measuring the height of saw blades.

Item #	Description
23476	Depth gauge



### Letter Template Set

Use the letter template set for engraving wooden signs, plaques and nameplates. Templates included make 1-1/2" and 2-1/2" letters and numbers.

- Use with 1/4"- or 1/2"-shank straight, V-groove or core box router bits
- Requires use of 7/16" or 5/8" guide bushing (not included)

Item #	Contents
23455	Includes two sets of letter and number templates in 1-1/2" and 2-1/2" sizes



### Router Mat

Use a router mat for freehand routing and pad sanding without clamps or vises. A specially formulated no-slip material holds the workpiece firmly in place. An open-weave surface allows sawdust to filter through, which means the mat won't lose its grip.

- Easy to clean: simply lift from the worktable and shake
- The non-absorbent surface will not transfer shop liquids to the workpiece
- Easily cut mat with scissors to desired size or shape

Item #	Size
23468	24" x 36"

## Guide Bushing Kit with Universal Base Plate

Ideal accessory for dovetail fixtures and letter template set.

- Universal base plate easily adapts guide bushings to most routers with 6" round base
- Bushings guide bit in fixtures, patterns and other templates



Item #	Contents
23458	5/16", 7/16", 5/8" regular and 7/16" long bushings

## Dowel Pins, Plugs and Buttons

Vermont American offers a broad range of wood joining accessories.

- Perfect for furniture, hobbies, crafts and other projects.
- Dowel pins, plugs and buttons meet furniture industry specifications for size and dryness.
- Bulk packs available for high-volume users.



### Fluted Dowel

- Fluted Dowel Pins for maximum glue retention and joint strength.

Item #	Description	Pieces Per Bag/Box	Standard Shipping Pack
17109	1/4" x 1-1/4" Fluted dowel pins	36 per bag	1
17110	5/16" x 1-1/2" Fluted dowel pins	36 per bag	1
17111	3/8" x 1-1/2" Fluted dowel pins	30 per bag	1
17112	1/2" x 1-1/2" Fluted dowel pins	18 per bag	1
17113	1/4" x 1-1/4" Fluted dowel pins	1000 per box	1
17114	5/16" x 1-1/2" Fluted dowel pins	1000 per box	1
17115	3/8" x 1-1/2" Fluted dowel pins	1000 per box	1
17116	1/2" x 1-1/2" Fluted dowel pins	1000 per box	1



### Round Head Screw Hole Tapered Plugs

- Cover screw and nail holes for finished look. Tapered for tight fit.

Item #	Description	Pieces Per Bag/Box	Standard Shipping Pack
17125	1/4" Round head screw hole tapered plugs	24 per bag	1
17126	5/16" Round head screw hole tapered plugs	24 per bag	1
17127	3/8" Round head screw hole tapered plugs	24 per bag	1
17128	1/2" Round head screw hole tapered plugs	24 per bag	1
17129	1/4" Round head screw hole tapered plugs	1000 per box	1
17130	5/16" Round head screw hole tapered plugs	1000 per box	1
17131	3/8" Round head screw hole tapered plugs	1000 per box	1
17132	1/2" Round head screw hole tapered plugs	1000 per box	1



### Flat Head Screw Hole Tapered Plugs

- Cover screw and nail holes for finished look. Tapered for tight fit.

Item #	Description	Pieces Per Bag/Box	Standard Shipping Pack
17117	1/4" Flat head screw hole tapered plugs	24 per bag	1
17118	5/16" Flat head screw hole tapered plugs	24 per bag	1
17119	3/8" Flat head screw hole tapered plugs	24 per bag	1
17120	1/2" Flat head screw hole tapered plugs	24 per bag	1
17124	1/2" Flat head screw hole tapered plugs	1000 per box	1



### Screw Hole Buttons

- Attractively hides screw holes for future access.

Item #	Description	Pieces Per Bag/Box	Standard Shipping Pack
17133	3/8" Screw hole buttons	24 per bag	1
17134	1/2" Screw hole buttons	24 per bag	1
17135	3/8" Screw hole buttons	1000 per box	1
17136	1/2" Screw hole buttons	1000 per box	1



# Router Table & Accessories



## Dowel Centers

- Makes dowel positioning quick and easy.
- Accurately marks holes for drilling.

Display Card Item #	Description	Quantity Per Card	Standard Shipping Pack
17137	1/4" Dowel centers	4	6
17138	5/16" Dowel centers	4	6
17139	3/8" Dowel centers	4	6
17140	1/2" Dowel centers	4	6



## Dowel Kit

- Perfect for furniture, hobbies, crafts and other projects.
- Each kit includes: 1 brad point drill, 1 drill stop, 4 dowel centers and 20 fluted dowels



## Drill Stop Set

- Adjustable for drilling exact depths.

Drill Stop Set			
Display Card Item #	Description	Sizes	Standard Shipping Pack
16550	4-piece drill stop set	1/4", 5/16", 3/8", 1/2"	6

Display Box No.	Description	Standard Shipping Pack
17164	1/4" Dowel kit	1
17165	5/16" Dowel kit	1
17166	3/8" Dowel kit	1
17168	1/2" Dowel kit	1



## Biscuits

- For joints where strength is critical.
- Made from compressed hardwood.
- Biscuits swell in joints for maximum strength.

Item #	Description	Pieces Per Bag	Standard Shipping Pack
17141	#0 biscuit, 5/8" x 1-3/4"	50	1
17142	#10 biscuit, 3/4" x 2-1/8"	50	1
17143	#20 biscuit, 1" x 2-1/2"	50	1

# BAND SAW & SCROLL SAW BLADES

Band Saw Blades



Scroll Saw Blades



**Vermont  
American**<sup>®</sup>

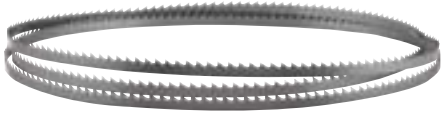
The logo features a stylized red and white mountain peak icon above the brand name. The text is in a bold, white, sans-serif font with a black outline, set against a red background.

[www.vermontamerican.com](http://www.vermontamerican.com)



# Band Saw & Scroll Saw Blades

## Stationary Band Saw Blades



### Stationary Carbon Steel Band Saw Blades — Wood Cutting

Recommended for general purpose cutting in all woods, plastics and composite materials.

- 3/4" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31205	70"	1/4"	6	.012"
31245	72-7/16"	1/4"	6	.020"
31265	80"	1/4"	6	.020"
31285	82"	1/4"	6	.020"
31325	93"	1/4"	6	.020"
31342	93-1/2"	1/4"	6	.020"



### Stationary Carbon Steel Band Saw Blades — Fast Wood Cutting

Recommended for fast cutting in all woods, plastics and composite materials.

- Blades with 3/8" width have 1" minimum radius
- Blades with 1/2" width have 2-1/2" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31249	72-7/16"	3/8"	4 skip tooth	.020"
31289	82"	3/8"	4 skip tooth	.020"
31329	93"	3/8"	4 skip tooth	.020"
31345	71-3/4"	1/2"	4 skip tooth	.020"



### Stationary Carbon Steel Band Saw Blades — Hard Wood Cutting

For heavy duty cutting in all woods, plastics and composite materials.

- 2-1/2" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31267	80"	1/2"	6	.020"
31337	93"	1/2"	6	.020"
31343	93-1/2"	1/2"	6	.020"



### Stationary Carbon Steel Band Saw Blades — Scroll Cutting

Recommended for fine scroll cutting in plywood, thin veneer, plastics and composite materials.

- 1/4" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31242	72-7/16"	1/8"	15	.012"
31262	80"	1/8"	15	.018"
31263*	80"	1/4"	15	.018"
31282	82"	1/8"	15	.018"
31321	93"	1/8"	15	.018"
31341	93-1/2"	1/8"	15	.018"

\* 1/4" width has 3/4" minimum radius.



### Stationary High Speed Steel / Bi-metal Band Saw Blades — Metal Cutting

For general purpose cutting in ferrous and non-ferrous metals.

- 1" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31273	80"	3/8"	18	.025"
31344	93-1/2"	3/8"	18	.025"

## Benchtop Band Saw Blades



### Benchtop Carbon Steel Band Saw Blade Set

Three piece set contains one each of the following blades:

- 31082 for fine scroll cutting in plywood, thin veneer, plastics and composite materials
- 31087 for general purpose cutting in all woods, plastics and composite materials
- 31098 for heavy duty cutting in all woods, plastics and composite materials

### Benchtop Carbon Steel Band Saw Blade Set

Item #	Length	Teeth Per Inch	Gauge	Contents
31080	56 1/8"	6, 15, 18	.012	3 pc. set

# Band Saw & Scroll Saw Blades



## Benchtop Carbon Steel Band Saw Blades — Wood Cutting

Recommended for general purpose cutting in all woods, plastics and composite materials.

- 3/4" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31087	56-1/8"	1/4"	6	.012"
31107	57"	1/4"	6	.012"
31147	59-1/2"	1/4"	6	.012"
31187	62"	1/4"	6	.012"



## Benchtop Carbon Steel Band Saw Blades — Hard Wood Cutting

For heavy duty cutting in all woods, plastics and composite materials.

- 1/4" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31098	56-1/8"	3/8"	6	.012"
31158	59-1/2"	3/8"	6	.012"



## Benchtop Carbon Steel Band Saw Blades — Scroll Cutting

Recommended for fine scroll cutting in plywood, thin veneer, plastics and composite materials.

- 1/4" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31082	56-1/8"	1/8"	15	.012"
31142	59-1/2"	1/8"	15	.012"



## Benchtop Carbon Steel Band Saw Blades — Metal Cutting

For general purpose cutting in ferrous and non-ferrous metals.

- 1" minimum radius

Item #	Blade Length	Width	Teeth Per Inch	Gauge
31092	56-1/8"	3/8"	18	.014"
31152	59-1/2"	3/8"	18	.014"

## Scroll Saw Blades



### Pinned End Scroll Saw Blades

Recommended for sawing all woods, plastics and non-ferrous metals.

- Precision sharpened for easy cutting of fine, intricate shapes

Item #	Blade Length	Width	Teeth Per Inch	Gauge	Quantity
30416	2-3/4"	.150"	15	.015"	5
30414	2-3/4"	.070"	18.5 skip tooth	.014"	5
30412	2-3/4"	.068"	25	.010"	5
30408	5"	.110"	15	.022"	4
30409	5"	.070"	18.5	.010"	4
30410	5"	.110"	20	.018"	4



### Plain End Scroll Saw Blades

Recommended for sawing all woods, plastics and non-ferrous metals.

- Precision sharpened for easy cutting of fine, intricate shapes

Item #	Blade Length	Width	Teeth Per Inch	Gauge	Quantity
30406	5"	.093"	9 reverse tooth	.020"	4
30425	5"	.062"	9.5	.024"	12
30404	5"	.187"	10	.028"	3
30423	5"	.045"	11.5	.017"	12
30424	5"	.053"	11.5	.018"	12
30422	5"	.038"	12.5	.016"	12
30402	5"	.110"	15	.022"	4
30421	5"	.029"	20	.012"	12
30420	5"	.022"	28	.011"	12
30430	5"	Spiral	46	.026"	12

# Hacksaw & Coping Saw Blades

## Hacksaw Blades

### Tips on blade selection

- Carbon Steel - For general-purpose cutting.
- Bimetal - shatterproof blades to handle the toughest materials.
- Carbide-Grit - cuts materials ordinary hacksaw blades cannot.
- The more teeth per inch, the finer the cut.
- Medium blade (18 teeth per inch) is good for cutting tool steel, iron pipe, and light-angle iron.
- Fine blade (24 teeth per inch) cuts drill rod, thin tubing and medium materials.
- Very fine blade (32 teeth per inch) is used for extra-thin materials, light-angle iron, channels, wire rope and cable.



### High Carbon Steel

- Excellent for cutting most metals.
- Ideal blade for general use.
- 2 blades per card.

Bulk Item No.	Length Inches	Teeth Per Inch	Standard Shipping Pack
48212	10"	24	100 Blades
48216	12"	18	100 Blades
48217	12"	24	100 Blades
48218	12"	32	100 Blades

Display Card Item No.	No. of Blades Per Card	Length Inches	Teeth Per Inch	Standard Shipping Pack
48231	2	10"	18	10 Cards
48232	2	10"	24	10 Cards
48233	2	10"	32	10 Cards
48236	2	12"	18	10 Cards
48237	2	12"	24	10 Cards
48238	2	12"	32	10 Cards



### Bimetal

- For finest sawing performance.
- High speed steel cutting edges electronically welded to alloy spring steel backs.
- Last up to 5 times longer than standard blades.
- Flexible, spring steel backs are shatterproof.
- Super-hard cutting edge of high speed steel stays sharper longer.

Bulk Item No.	Length Inches	Teeth Per Inch	Standard Shipping Pack
48250	10"	18	100 Blades
48251	10"	24	100 Blades
48252	10"	32	100 Blades
48255	12"	18	100 Blades
48256	12"	24	100 Blades
48257	12"	32	100 Blades

### Bimetal continued

Display Card Item No.	Length Inches	Teeth Per Inch	Standard Shipping Pack
48260	10"	18	10
48261	10"	24	10
48262	10"	32	10
48265	12"	18	10
48266	12"	24	10
48267	12"	32	10

## Coping Saws

### 4 3/4" Coping Saw

- For cutting irregular shapes and intricate patterns.
- Fully adjustable to cut on any curve in any position.
- Professional quality.
- 3/16" x 3/8" steel frame.
- Plated for rust-resistance.
- Durable hardwood handles.
- Furnished with 10-teeth-per-inch spring steel blade.
- Replacement blades available.



Item No.	Throat Depth Inches	Standard Shipping Pack
48573	4 3/4"	5

## Coping Saw Blades

- Cut intricate shapes.
- Professional quality.
- Pin-end style.
- Fits most frames.
- Made of finest spring steel for long life.

Display Card Item No.	Length	Gauge	Width	Teeth Per Inch	Blades Per Card	Material Cut	Standard Shipping Pack
48575	6 3/8"	.018	.090	18	4	Plastic and Plywood	5
48576	6 3/8"	.020	.090	18	4	Wood	5
48577	6 3/8"	.020	.125	15	4	Wood	5
48578	6 3/8"	.020	.125	10	4	Wood	5
48579	6 3/8"	.014	.250	32	2	Metal	5
48580	6"	.020	.125	15	4	Wood	5

### Coping Blade Set

Display Card Item No.	Description	Material Cut	Standard Shipping Pack
48581	6-piece set (2 each nos. 48576, 48577 and 48578)	Wood	5



# THREADING TOOLS



**Taps**



**Dies**



**Accessories**



  
**Vermont  
American**

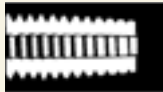
[www.vermontamerican.com](http://www.vermontamerican.com)



# Threading Tools

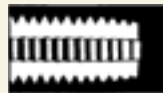
## Threading Tools Features

Vermont American taps and dies are tooled to the most exacting specifications to ensure that bolts fit tightly and anchor securely. Taps are rust and tarnish resistant for greater durability and more accurate fitting.



### Taper Taps:

8 to 10 threads chamfered for easy starting in tough materials.



### Plug Taps:

3 to 5 threads chamfered for general use when tapping to bottom of hole is not critical. (This is the most widely used type of tap.)



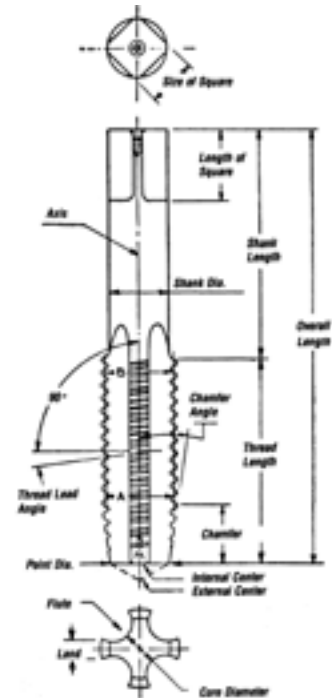
### Bottoming Taps:

1-1/2 threads chamfered for use where thread must go to bottom of hole.

**Note:** Tap and die size is indicated by two numbers. The first number represents diameter of screw or bolt. The second number represents threads per inch. The letters after the tap size indicate particular screw or bolt standard:

- NC = National Coarse**
- NF = National Fine**
- NS = National Special**
- NEF = National Extra Fine**
- NPT = National Pipe Taper**
- BSP = British Standard Pipe**

**Example:** A 1/4"-20NC tap will cut a 1/4" outside diameter with 20 threads per inch for a National Coarse type screw.



## High Carbon Steel Taps



### High Carbon Steel Fractional Taper Taps

High carbon steel fractional taper taps are ideal for cutting right-hand internal threads.

- Taper taps have 8 to 10 threads chamfered for easy starts in tough materials
- Four-flute design on all taps ensures fast and easy chip clearance
- Required drill size is permanently etched on the tool for quick and easy reference

Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Use Drill Bit Size	Quantity
20168	1/4"-20 NC	1.000	2.500	.250 / .257	4	7	3, 1 per card
20169	1/4"-28 NF	1.000	2.500	.250 / .257	4	3	3, 1 per card
20170	5/16"-18 NC	1.125	2.718	.314 / .318	4	F	3, 1 per card
20171	5/16"-24 NF	1.125	2.718	.314 / .318	4	I	3, 1 per card
20172	3/8"-16 NC	1.250	2.937	.376 / .381	4	5/16"	3, 1 per card
20173	3/8"-24 NF	1.250	2.937	.376 / .381	4	21/64"	3, 1 per card
20174	7/16"-14 NC	1.437	3.156	.318 / .321	4	3/8"	3, 1 per card
20175	7/16"-20 NF	1.437	3.156	.318 / .321	4	25/64"	3, 1 per card
20176	1/2"-13 NC	1.656	3.375	.362 / .364	4	27/64"	3, 1 per card
20177	1/2"-20 NF	1.656	3.375	.362 / .364	4	29/64"	3, 1 per card

### High Carbon Steel Fractional Bottoming Taps

High carbon steel fractional bottoming taps are ideal for cutting right-hand internal threads.

- Bottoming taps have 1-1/2 threads chamfered for tapping to the bottom of a hole
- Four-flute design on all taps ensures fast and easy chip clearance
- Required drill size is permanently etched on the tool for quick and easy reference

Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Use Drill Bit Size	Quantity
20268	1/4"-20 NC	1.000	2.500	.250 / .257	4	7	3, 1 per card
20269	1/4"-28 NF	1.000	2.500	.250 / .257	4	3	3, 1 per card
20270	5/16"-18 NC	1.125	2.718	.314 / .318	4	F	3, 1 per card
20271	5/16"-24 NF	1.125	2.718	.314 / .318	4	I	3, 1 per card
20272	3/8"-16 NC	1.250	2.937	.376 / .381	4	5/16"	3, 1 per card
20273	3/8"-24 NF	1.250	2.937	.376 / .381	4	21/64"	3, 1 per card
20274	7/16"-14 NC	1.437	3.156	.318 / .321	4	3/8"	3, 1 per card
20275	7/16"-20 NF	1.437	3.156	.318 / .321	4	25/64"	3, 1 per card
20276	1/2"-13 NC	1.656	3.375	.362 / .364	4	27/64"	3, 1 per card
20277	3/16"-32 NS	1.656	2.375	.188 / .195	4	29/64"	3, 1 per card



## High Carbon Steel Machine Screw Plug Taps

High carbon steel machine screw plug taps are ideal for cutting right-hand internal threads.

- Plug taps have 3 to 5 threads chamfered for general purpose applications when tapping to the bottom of a hole is not critical
- Required drill size is permanently etched on the tool for quick and easy reference



Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Use Drill Bit Size	Quantity	Bulk Item #	Bulk Quantity
20003	2-56 NC	7/16"	1-3/4"	.141 / .145	3	50	3, 1 per card	-	-
20057	4-36 NS	.562	1.875	.141 / .145	3	44	3, 1 per card	-	-
20058	4-40 NC	.562	1.875	.141 / .145	3	43	3, 1 per card	-	-
20059	5-40 NC	.625	1.937	.141 / .145	3	38	3, 1 per card	-	-
20060	6-32 NC	.687	2.000	.137 / .142	3	36	3, 1 per card	20010	3
20061	8-32 NC	.750	2.125	.164 / .166	3	29	3, 1 per card	20011	3
20062	10-24 NC	.875	2.375	.188 / .195	4	25	3, 1 per card	20012	3
20063	10-32 NF	.875	2.375	.188 / .195	4	21	3, 1 per card	20013	3
20064	12-24 NC	.937	2.375	.216 / .220	4	16	3, 1 per card	20014	3
20065	14-24 NS	1.000	2.500	.250 / .257	4	10	3, 1 per card	20015	3



## High Carbon Steel Machine Screw Taper Taps

High carbon steel machine screw taper taps are ideal for cutting right-hand internal threads.

- Taper taps have 8 to 10 threads chamfered for easy starts in tough materials
- Required drill size is permanently etched on the tool for quick and easy reference

Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Use Drill Bit Size	Quantity
20160	6-32 NC	.687	2.000	.137 / .142	3	36	3, 1 per card
20161	8-32 NC	.750	2.125	.164 / .166	3	29	3, 1 per card
20162	10-24 NC	.875	2.375	.188 / .195	4	25	3, 1 per card
20163	10-32 NF	.875	2.375	.188 / .195	4	21	3, 1 per card
20164	12-24 NC	.937	2.375	.216 / .220	4	16	3, 1 per card



## High Carbon Steel Machine Screw Bottoming Taps

High carbon steel machine screw bottoming taps are ideal for cutting right-hand internal threads.

- Bottoming taps have 1-1/2 threads chamfered for tapping to the bottom of a hole
- Required drill size is permanently etched on the tool for quick and easy reference

Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Use Drill Bit Size	Quantity
20260	6-32 NC	.687	2.000	.137 / .142	3	36	3, 1 per card
20261	8-32 NC	.750	2.125	.164 / .166	3	29	3, 1 per card
20262	10-24 NC	.875	2.375	.188 / .195	4	25	3, 1 per card
20263	10-32 NF	.875	2.375	.188 / .195	4	21	3, 1 per card
20264	12-24 NC	.937	2.375	.216 / .220	4	16	3, 1 per card



## High Carbon Steel Pipe Taps

High carbon steel pipe taps are ideal for pipe fittings, cutting internal threads and wherever an extremely tight fit is required.

- Taper taps have 8 to 10 threads chamfered for easy starts in tough materials
- Four-flute design ensures fast and easy chip clearance
- Required drill size is permanently etched on the side of each tap

Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Use Drill Bit Size	Quantity	Bulk Item #	Bulk Quantity
20371	1/8"-27 NPT	.750	2.125	.417 / .421	4	11/32"	3, 1 per card	20351	3
20372	1/4"-18 NPT	1.062	2.437	.558 / .562	4	7/16"	3, 1 per card	20352	3
20373	3/8"-18 NPT	1.062	2.562	.706 / .710	4	37/64"	1	20353	1
20374	1/2"-14 NPT	1.375	3.125	.686 / .690	4	23/32"	1	20354	1
21181	1/8"-28 BSP	.750	2.125	.417 / .421	4	5/16"	3, 1 per card	-	-
20355	3/4"-14 NPT	1-3/8"	3-1/4"	.906	4	59/64"	1	-	-
20356	1"-11-1/2 NPT	1-3/4"	3-3/4"	1.125	4	1-5/32"	1	-	-
20357	1-1/4"-11-1/2 NPT	1-3/4"	4"	1.312	4	1-1/2"	1	-	-
20358	1-1/2"-11-1/2 NPT	1-3/4"	4-1/4"	1.500	4	1-47/64"	1	-	-
20359	2"-11-1/2 NPT	1-3/4"	4-1/2"	1.875	4	2-7/32"	1	-	-





# Threading Tools



## High Carbon Steel Metric Taps

High carbon steel metric taps are ideal for cutting internal threads in import cars, motorcycles and machinery.

- Four-flute design on most taps ensures fast and easy chip clearance

Item #	Size	Thread Length	Overall Length	Shank Diameter	# of Flutes	Quantity
21112	3 mm - .50	.687	2.000	.139 / .143	3	3, 1 per card
21113	3 mm - .60	.687	2.000	.139 / .143	3	3, 1 per card
21117	4 mm - .70	.750	2.125	.164 / .166	4	3, 1 per card
21118	4 mm - .75	.750	2.125	.164 / .166	4	3, 1 per card
21123	5 mm - .80	.937	2.375	.216 / .220	4	3, 1 per card
21124	5 mm - .90	.937	2.375	.216 / .220	4	3, 1 per card
21129	6 mm - 1.00	1.000	2.500	.250 / .257	4	3, 1 per card
21131	7 mm - 1.00	1.000	2.500	.250 / .257	4	3, 1 per card
21133	8 mm - 1.00	1.125	2.718	.333 / .337	4	3, 1 per card
21135	8 mm - 1.25	1.125	2.718	.333 / .337	4	3, 1 per card
21138	9 mm - 1.00	1.250	2.875	.270 / .271	4	3, 1 per card
21139	9 mm - 1.25	1.250	2.875	.270 / .271	4	3, 1 per card
21140	10 mm - 1.00	1.250	2.937	.299 / .301	4	3, 1 per card
21141	10 mm - 1.25	1.250	2.937	.299 / .301	4	3, 1 per card
21142	10 mm - 1.50	1.250	2.937	.299 / .301	4	3, 1 per card
21144	11 mm - 1.50	1.437	3.156	.318 / .321	4	3, 1 per card
21146	12 mm - 1.25	1.656	3.375	.362 / .364	4	3, 1 per card
21147	12 mm - 1.50	1.656	3.375	.362 / .364	4	3, 1 per card
21148	12 mm - 1.75	1.656	3.375	.362 / .364	4	3, 1 per card
21152	14 mm - 1.25	1.656	3.593	.424 / .427	4	1
21154	14 mm - 2.00	1.656	3.593	.424 / .427	4	1
21158	16 mm - 1.50	1.812	3.812	.474 / .477	4	1
21160	16 mm - 2.00	1.812	3.812	.474 / .477	4	1
21164	18 mm - 1.50	2.000	4.250	.541 / .544	4	1

## High Carbon Steel Hexagon Dies

High carbon steel hexagon dies are ideal for cutting right-hand external threads. Hex head shape is designed for use in die stocks and adjustable wrenches. Each die's size and starting side are permanently etched on the tool for quick and easy reference. Dies measure 1" across flats.



## High Carbon Steel Pipe Hex Dies

Item #	Size	Width Across Flat	Thickness	Quantity	Bulk Item #	Bulk Quantity
20798	1/8"-27 NPT	1"	.370"	3, 1 per card	20748	3
20799	1/4"-18 NPT	1"	.433"	3, 1 per card	-	-
21281	1/8"-28 BSP	1"	.370"	3, 1 per card	-	-



## High Carbon Steel Machine Screw Hex Dies

Item #	Size	Width Across Flat	Thickness	Quantity
20758	4-40 NC	1"	.370"	3, 1 per card
20760	6-32 NC	1"	.370"	3, 1 per card
20761	8-32 NC	1"	.370"	3, 1 per card
20762	10-24 NC	1"	.370"	3, 1 per card
20763	10-32 NF	1"	.370"	3, 1 per card
20764	12-24 NC	1"	.370"	3, 1 per card
20765	14-20 NS	1"	.370"	3, 1 per card



## High Carbon Steel Fractional Hex Dies

Item #	Size	Width Across Flat	Thickness	Quantity	Bulk Item #	Bulk Quantity
20766	3/16"-24 NS	1"	.370"	3, 1 per card	-	-
20767	3/16"-32 NS	1"	.370"	3, 1 per card	-	-
20768	1/4"-20 NC	1"	.370"	3, 1 per card	20718	3
20769	1/4"-28 NF	1"	.370"	3, 1 per card	-	-
20770	5/16"-18 NC	1"	.370"	3, 1 per card	20720	3
20771	5/16"-24 NF	1"	.370"	3, 1 per card	20721	3
20772	3/8"-16 NC	1"	.370"	3, 1 per card	20722	3
20773	3/8"-24 NF	1"	.370"	3, 1 per card	20723	3
20774	7/16"-14 NC	1"	.370"	3, 1 per card	20724	3
20775	7/16"-20 NF	1"	.370"	3, 1 per card	20725	3
20776	1/2"-13 NC	1"	.370"	3, 1 per card	20726	3
20777	1/2"-20 NF	1"	.370"	3, 1 per card	20727	3



## High Carbon Steel Large Fractional Hex Dies

Item #	Size	Thickness	Width Across Flat	Quantity
20728	9/16"-12 NC	1/2"	1-7/16"	1
20729	9/16"-18 NF	1/2"	1-7/16"	1
20730	5/8"-11 NC	1/2"	1-7/16"	1
20731	5/8"-18 NF	1/2"	1-7/16"	1
20734	3/4"-10 NC	1/2"	1-7/16"	1
20735	3/4"-16 NF	1/2"	1-7/16"	1
20736	7/8"-9 NC	11/16"	1-7/8"	1
20737	7/8"-14 NF	11/16"	1-7/8"	1
20738	1"-8 NC	11/16"	1-7/8"	1
20739	1"-12 NF	11/16"	1-7/8"	1
20740	1"-14 NS	11/16"	1-7/8"	1



## High Carbon Steel Metric Hex Dies

Item #	Size	Width Across Flat	Thickness	Quantity
21212	3 mm - .50	1"	.370"	3, 1 per card
21213	3 mm - .60	1"	.370"	3, 1 per card
21217	4 mm - .70	1"	.370"	3, 1 per card
21218	4 mm - .75	1"	.370"	3, 1 per card
21223	5 mm - .80	1"	.370"	3, 1 per card
21224	5 mm - .90	1"	.370"	3, 1 per card
21229	6 mm - 1.00	1"	.370"	3, 1 per card
21231	7 mm - 1.00	1"	.370"	3, 1 per card
21233	8 mm - 1.00	1"	.370"	3, 1 per card
21235	8 mm - 1.25	1"	.370"	3, 1 per card
21238	9 mm - 1.00	1"	.370"	3, 1 per card
21239	9 mm - 1.25	1"	.370"	3, 1 per card
21240	10 mm - 1.00	1"	.370"	3, 1 per card
21241	10 mm - 1.25	1"	.370"	3, 1 per card
21242	10 mm - 1.50	1"	.370"	3, 1 per card
21244	11 mm - 1.50	1"	.370"	3, 1 per card
21246	12 mm - 1.25	1"	.370"	3, 1 per card
21247	12 mm - 1.50	1"	.370"	3, 1 per card
21248	12 mm - 1.75	1"	.370"	3, 1 per card



## High Carbon Steel Large Pipe Hex Dies

Item #	Size	Thickness	Width Across Flat	Quantity
20750	3/8"-18	11/16"	1-7/8"	1 (box)
20751	1/2"-14	11/16"	1-7/8"	1 (box)
20754	3/8"-18	11/16"	1-7/8"	3, 1 per card
20755	1/2"-14	11/16"	1-7/8"	3, 1 per card

## High Carbon Steel Die Sets

Item #	Sizes	Type	Quantity
20778	4-40, 6-32, 8-32, 10-24, 10-32, 12-24	Machine Screw Dies	3, 6pc. set
20779	1/4"-20, 1/4"-28, 5/16"-18, 5/16"-24, 3/8"-16, 3/8"-24	Fractional Dies	3, 6pc. set
20780	6mm-1.0, 8mm-1.25, 10mm-1.25, 10mm-1.50, 12mm-1.50, 12mm-1.75	Metric Dies	3, 6pc. set

## High Carbon Steel Tap & Die Sets

Each high carbon steel tap and die has size and starting side permanently marked on each. Plastic storage case is constructed of sturdy, blow-molded plastic.



## 75 Piece Combination Tap & Die Set

21741 is a 75 piece tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 4-40 NC taper, 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 12-24 NC taper, 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug, 1/2-13 NC plug, 10-32 NF taper, 1/4-28 NF taper, 5/16-24 NF taper, 3/8-24 NF plug, 7/16-20 NF plug, 1/2-20 NF plug, 1/8-27 NPT pipe, 1/8-28 BSP pipe, 3 mm x 0.50 taper, 3 mm x 0.60 taper, 4 mm x 0.70 taper, 4 mm x 0.75 taper, 5 mm x 0.80 taper, 5 mm x 0.90 taper, 6 mm x 1.00 taper, 7 mm x 1.00 taper, 8 mm x 1.25 taper, 9 mm x 1.00 plug, 9 mm x 1.25 plug, 10 mm x 1.25 plug, 10 mm x 1.50 plug, 11 mm x 1.50 plug, 12 mm x 1.50 plug and 12 mm x 1.75 plug; one tap wrench for tap sizes No. 4 through 1/2"; one T-handle tap wrench for tap sizes No. 0 through 1/4"; one T-handle tap wrench for tap sizes 1/4" through 1/2"; one die stock for 1" round or hexagon dies; one metric thread gauge for .45 mm through 2.50 mm threads; one thread gauges for 10 to 40 US threads; and one No. 5 screwdriver

## 75 Piece Combination Tap & Die Set

Item #	Description
21741	75 pc. combination tap & die set in plastic case



# Threading Tools

## 65 Piece Expert Tap & Die Set

21740 is a 65 piece tap and die set in plastic case that includes the following: tap and hexagon die sizes 4-40 NC taper, 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 12-24 NC taper, 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug, 1/2-13 NC plug, 9/16-12 NC plug, 5/8-11 NC plug, 3/4-10 NC plug, 7/8-9 NC plug, 1-8 NC plug, 10-32 NF taper, 1/4-28 NF taper, 5/16-24 NF taper, 3/8-24 NF plug, 7/16-20 NF plug, 1/2-20 NF plug, 9/16-18 NF plug, 5/8-18 NF plug, 3/4-16 NF plug, 7/8-14 NF plug, 1-14 NS plug, 1/8-27 NPT pipe and 1/4-18 NPT pipe; one die stock for 1-7/8" hexagon dies; one die stock for 1-1/2" round or 1-7/16" hexagon dies; one die stock for 1" round or hexagon dies; one tap wrench for 1/2" through 1-1/8"; one tap wrench for tap sizes 1/4" through 3/4"; one tap wrench for tap sizes No. 4 through 1/2"; one T-handle tap wrench for tap sizes No. 0 through 1/4"; one thread gauge for 10 to 40 US threads; and one No. 5 screwdriver



### 65 Piece Expert Tap & Die Set

Item #	Description
21740	65 pc. expert tap & die set in plastic case

## 58 Piece Pro Metric Tap & Die Set

21750 is a 58 piece metric tap and die set in plastic case that includes the following: tap and hexagon die sizes 3 mm x 0.60 taper, 4 mm x 0.70 taper, 4 mm x 0.75 taper, 5 mm x 0.80 taper, 5 mm x 0.90 taper, 6 mm x 1.00 taper, 7 mm x 1.00 taper, 8 mm x 1.25 taper, 9 mm x 1.00 plug, 9 mm x 1.25 plug, 10 mm x 1.25 plug, 10 mm x 1.50 plug, 11 mm x 1.50 plug, 12 mm x 1.50 plug, 12 mm x 1.75 plug, 14 mm x 1.25 plug, 14 mm x 2.00 plug, 16 mm x 1.50 plug, 16 mm x 2.00 plug, 18 mm x 1.50 plug, 18 mm x 2.50 plug, 1/8-28 BSP pipe and 1/4-19 BSP pipe; one tap wrench for tap sizes No. 4 through 1/2"; one tap wrench for tap sizes 1/4" through 3/4"; one die stock for 1" round or hexagon dies; one die stock for 1-1/2" round or 1-7/16" hexagon dies; one T-handle tap wrench for tap sizes No. 0 through 1/4"; one metric thread gauge for 0.45 mm to 2.50 mm threads; one No. 5 screwdriver; and screw extractors Nos. 1 through 5



### 58 Piece Pro Metric Tap & Die Set

Item #	Description
21750	58 pc. pro metric tap & die set in plastic case

## 58 Piece Pro Tap & Die Set

21739 is a 58 piece set that contains: tap and hexagon die sizes 6-32 NC, 8-32 NC, 10-24 NC, 12-24 NC, 1/4-20 NC, 5/16-18 NC, 3/8-16 NC, 7/16-14 NC, 1/2-13 NC, 9/16-12 NC, 5/8-11 NC, 3/4-10 NC, 10-32 NF, 1/4-28 NF, 5/16-24 NF, 3/8-24 NF, 7/16-20 NF, 1/2-20 NF, 9/16-18 NF, 5/8-18 NF, 3/4-16 NF, 1/8-27 NPT and 1/4-18 NPT; one tap wrench for No. 4 through 1/2"; one tap wrench for 1/4" through 1/2"; one die stock for 1" round or hexagon dies; one die stock for 1-1/2" round or 1-7/16" hexagon dies; one T-handle tap wrench for No. 0 through 1/4"; one thread gauge for 10 to 40 US; one screwdriver 1/8" x 2-1/4" with pocket clip; and screw extractors Nos. 1 through 5



### 58 Piece Pro Tap & Die Set

Item #	Description
21739	58 pc. pro tap & die set in plastic case

## 40 Piece Super Mechanic's Tap & Die Set

21729 is a 40 piece tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 4-40 NC taper, 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 12-24 NC taper, 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug, 1/2-13 NC plug, 10-32 NF taper, 1/4-28 NF taper, 5/16-24 NF taper, 3/8-24 NF plug, 7/16-20 NF plug, 1/2-20 NF plug and 1/8-27 NPT pipe; one die stock for 1" round or hexagon dies; one tap wrench for tap sizes No. 4 through 1/2"; one T-handle tap wrench for tap sizes No. 0 through 1/4"; one T-handle tap wrench for tap sizes 1/4" through 1/2"; one thread gauge for 10 to 40 US threads; and one No. 5 screwdriver



### 40 Piece Super Mechanic's Tap & Die Set

Item #	Description
21729	40 pc. super mechanic's tap & die set in plastic case



### 40 Piece Metric Super Mechanic's Tap & Die Set

21749 is a 40 piece metric tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 3 mm x 0.50 taper, 3 mm x 0.60 taper, 4 mm x 0.70 taper, 4 mm x 0.75 taper, 5 mm x 0.80 taper, 5 mm x 0.90 taper, 6 mm x 1.00 taper, 7 mm x 1.00 taper, 8 mm x 1.25 taper, 9 mm x 1.00 plug, 9 mm x 1.25 plug, 10 mm x 1.25 plug, 10 mm x 1.50 plug, 11 mm x 1.50 plug, 12 mm x 1.50 plug, 12 mm x 1.75 plug and 1/8-28 BSP pipe; one tap wrench for tap sizes No. 4 through 1/2"; one die stock for 1" round or hexagon dies; one T-handle tap wrench for tap sizes No. 0 through 1/4"; one T-handle tap wrench for tap sizes 1/4" through 1/2"; one metric thread gauge for 0.45 mm to 2.50 mm threads; and one No. 5 screwdriver

### 40 Piece Metric Super Mechanic's Tap & Die Set

Item #	Description
21749	40 pc. metric super mechanic's tap & die set in plastic case



### 38 Piece Do-it-Yourselfer Tap & Die Set

21770 is a 38 piece tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 4-40 NC taper, 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug, 1/2-13 NC plug, 10-32 NF taper, 12-24 NC taper, 1/4-28 NF taper, 5/16-24 NF taper, 3/8-24 NF plug, 7/16-20 NF plug, 1/2-20 NF plug and 1/8-27 NPT pipe; one die stock for 1" round or hexagon dies; one T-handle tap wrench for tap sizes No. 0 through 1/4"; one T-handle tap wrench for tap sizes 1/4" through 1/2"; and one tap adapter driver for tap sizes 1/4" through 1/2"

### 38 Piece Do-it-Yourselfer Tap & Die Set

Item #	Description
21770	38 pc. tap & die set in plastic case



### 37 Piece Mechanic's Tap & Die Set

21728 is a 37 piece tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 4-40 NC taper, 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 10-32 NF taper, 12-24 NC taper, 1/4-20 NC taper, 1/4-28 NF taper, 5/16-18 NC taper, 5/16-24 NF taper, 3/8-16 NC plug, 3/8-24 NF plug, 7/16-14 NC plug, 7/16-20 NF plug, 1/2-13 NC plug, 1/2-20 NF plug and 1/8-27 NPT pipe; one tap adapter driver for tap sizes 1/4" through 1/2"; one die stock for 1" round or hexagon dies; and one T-handle tap wrench for tap sizes No. 0 through 1/4"

### 37 Piece Mechanic's Tap & Die Set

Item #	Description
21728	37 pc. mechanic's tap & die set in plastic case



### 27 Piece Metric Mechanic's Tap & Die Set

21745 is a 27 piece metric tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 3 mm x 0.50 taper, 4 mm x 0.70 taper, 5 mm x 0.80 taper, 6 mm x 1.00 taper, 7 mm x 1.00 taper, 8 mm x 1.25 taper, 9 mm x 1.25 plug taper, 10 mm x 1.50 plug, 12 mm x 1.50 plug, 12 mm x .175 plug and 1/8-28 BSP pipe; one tap wrench for tap sizes No. 4 through 1/2"; one die stock for 1" round or hexagon dies; one T-handle tap wrench for tap sizes 1/4" through 1/2"; one metric thread gauge for 0.45 mm to 2.50 mm threads; and one No. 5 screwdriver

### 27 Piece Metric Mechanic's Tap & Die Set

Item #	Description
21745	27 pc. metric mechanic's tap & die set in plastic case



# Threading Tools



## 27 Piece Mechanic's Tap & Die Set

21725 is a 27 piece tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug, 1/2-13 NC plug, 1/4-28 NF taper, 5/16-24 NF taper, 3/8-24 NF plug, 7/16-20 NF plug, 1/2-20 NF plug and 1/8-27 NPT pipe; one die stock for 1" round or hexagon dies; one tap wrench for tap sizes No. 4 through 1/2"; one T-handle tap wrench for tap sizes 1/4" through 1/2"; one thread gauge for 10 to 40 US threads; and one No. 5 screwdriver

### 27 Piece Mechanic's Tap & Die Set

Item #	Description
21725	27 pc. mechanic's tap & die set in plastic case



## 25 Piece Do-it-Yourself Tap & Die Set

21768 is a 25 piece tap and die set in plastic case that includes the following: tap and 1" hexagon die sizes 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug, 1/2-13 NC plug, 1/4-28 NF taper, 5/16-24 NF taper, 3/8-24 NF taper, 7/16-20 NF plug, 1/2-20 NF plug and 1/8-27 NPT pipe; one die stock for 1" round or hexagon dies; one T-handle tap wrench for tap sizes 1/4" through 1/2"; and one tap adapter driver for tap sizes 1/4" through 1/2"

### 25 Piece Do-it-Yourself Tap & Die Set

Item #	Description
21768	25 pc. tap & die set in plastic case



## 19 Piece Do-it-Yourself Tap & Die Set

21767 is a 19 piece tap and die set in plastic case that contains the following: tap sizes 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 10-32 NF taper, 1/4-28 NF taper, 5/16-24 NF taper and 3/8-24 NF plug; 1" hexagon die sizes 1/4-20 NC, 5/16-18 NC, 3/8-16 NC, 1/4-28 NF, 5/16-24 NF and 3/8-24 NF; one die stock for 1" round or hexagon dies; one T-handle tap wrench for tap sizes No. 0 through 1/4"; and one tap adapter driver for tap sizes 1/4" through 1/2"

### 19 Piece Do-it-Yourself Tap & Die Set

Item #	Description
21767	19 pc. tap & die set in plastic case



## 12 Piece Starter Tap & Die Set

21722 is a 12 piece tap and die set in plastic case that includes the following items: tap and 1" hexagon die sizes 1/4-20 NC taper, 5/16-18 NC taper, 3/8-16 NC plug, 7/16-14 NC plug and 1/2-13 NC plug; one tap wrench for taps up to 1/2"; and one die stock for 1" round or hexagon dies

### 12 Piece Starter Tap & Die Set

Item #	Description
21722	12 pc. starter tap & die set in plastic case



## High Carbon Steel Tap Set

All high carbon steel taps are plug style and have recommended drill size laser marked on the side. Plastic storage case is constructed of sturdy, blow-molded plastic.

21774 is a 14 piece tap set in plastic case that includes the following: tap sizes 6-32 NC taper, 8-32 NC taper, 10-32 NF taper, 10-24 NC taper, 12-24 NC taper, 1/4-20 NC taper, 1/4-28 NF taper, 5/16-18 NC taper, 5/16-24 NF taper, 7/16-14 NC plug, 3/8-16 NC plug, 3/8-24 NF plug, 1/2-13 NC plug and 1/8-27 NPT pipe

### High Carbon Steel Tap Set

Item #	Description
21774	14 pc. tap set in plastic case



## High Carbon Steel Tap & Drill Bit Set

Each high carbon steel tap is plug style and has recommended drill size laser marked on the side. Plastic storage case is constructed of sturdy, blow-molded plastic.

21698 is a 13 piece set in a plastic case that includes the following: tap sizes 4-40 NC taper, 6-32 NC taper, 8-32 NC taper, 10-24 NC taper, 10-32 NF taper and 1/4-20 NC taper; high speed steel drill bits in sizes Nos. 7, 21, 25, 29, 36 and 43; and one T-handle tap wrench

### High Carbon Steel Tap & Drill Bit Set

Item #	Description
21698	13 pc. tap & drill bit set in plastic case



## High Carbon Steel Rethreading Die Set

21987 is an 8 piece set in plastic case that includes the following: rethreading dies for sizes 1/4" NF, 5/16" NF, 3/8" NF, 7/16" NF, 1/2" NC, 9/16" NF, 5/8" NF and 3/4" NF threads

### High Carbon Steel Rethreading Die Set

Item #	Description
21987	8 pc. rethreading die set in plastic case



## High Carbon Steel Tap & Drill Bit Combo Sets

Tap and drill bit combo sets are ideal for drilling the proper hole size and cutting internal threads.

- Recommended drill size is permanently marked on each tap
- Most taps feature four-flute design for maximum chip clearance

### High Carbon Steel Tap & Drill Bit Combo Sets

Item #	Type	Tap Size	Drill Size	Quantity
21660	Machine screw	4-40 NC	43	3, 1 set per card
21661	Machine screw	6-32 NC	36	3, 1 set per card
21662	Machine screw	8-32 NC	29	3, 1 set per card
21663	Machine screw	10-24 NC	25	3, 1 set per card
21664	Machine screw	10-32 NC	21	3, 1 set per card
21665	Machine screw	12-24 NC	16	3, 1 set per card
21666	Fractional	1/4-20 NC	7	3, 1 set per card
21667	Fractional	1/4-28 NF	3	3, 1 set per card
21668	Fractional	5/16-18 NC	F	3, 1 set per card
21669	Fractional	3/8-16 NC	5/16"	3, 1 set per card
21670	Fractional	1/2-13 NC	27/64"	3, 1 set per card
21671	Pipe	1/4-18 NPT	7/16"	3, 1 set per card

# Threading Tools

## High Carbon Steel Screw Extractors



### High Carbon Steel Screw Extractor Sets\*

High carbon steel screw extractors are heat-treated and tempered for long life. The tool surface is treated to resist rust.

- Required drill size is permanently laser-marked on the shank of each extractor for easy reference

### High Carbon Steel Screw Extractor Sets\*

Item #	Description	Contents
21822	5 pc. spiral flute screw extractor set	One each of spiral screw extractor sizes No. 1 through No. 5 on a card
21825	6 pc. spiral flute screw extractor set	One each of spiral screw extractor sizes No. 1 through No. 6 in vinyl pouch
21872	5 pc. straight flute screw extractor set	One each of straight screw extractor sizes No. 1 through No. 5
21829	10 pc. spiral flute screw extractor & drill bit set	One each of spiral screw extractor sizes No. 1 through No. 5 and high speed steel drill bit sizes 5/64", 7/64", 5/32", 1/4" and 17/64" in plastic case

\*Intended to remove screws manually with T-handle tap wrench or equivalent.

### High Carbon Steel Spiral Flute Screw Extractors\*

High carbon steel spiral flute screw extractors are heat-treated and tempered for long life. The tool surface is treated to resist rust, and the tapered left-hand spiral flutes grip screws firmly.

- Required drill size is permanently laser-marked on the shank of each extractor for easy reference



Item #	Size	Shank Diameter	Point Diameter	To Remove Bolts / Screws	Use Drill Bit Size	Quantity	Bulk Item #	Bulk Quantity
21811	No. 1	1/8"	.060"	3/32" to 5/32"	5/64"	5, 1 per card	21801	5 per pack
21812	No. 2	3/16"	.080"	5/32" to 7/32"	7/64"	5, 1 per card	21802	5 per pack
21813	No. 3	1/4"	1/8"	7/32" to 9/32"	5/32"	5, 1 per card	21803	5 per pack
21814	No. 4	5/16"	3/16"	9/32" to 3/8" and 1/8" pipe	1/4"	5, 1 per card	21804	5 per pack
21815	No. 5	7/16"	1/4"	3/8" to 5/8" and 1/4" pipe	17/64"	5, 1 per card	21805	5 per pack
21816	No. 6	5/8"	3/8"	5/8" to 7/8" and 3/8" pipe	13/32"	1	21806	1
21817	No. 7	7/8"	15/32"	7/8" to 1-1/8" and 1/2" pipe	17/32"	1	21807	1
21808	No. 8	1-1/32"	3/4"	1-1/8" to 1-3/8" and 3/4" pipe	13/16"	1	-	-
21809	No. 9	1-9/32"	1"	1-3/8" up and 1" pipe	1-1/8"	1	-	-

Item #	Size	To Remove Bolts / Screws	Use Drill Bit Size	Minimum Depth of Hole	Quantity
21861	No. 1	1/4" and 5/16"	1/8"	3/8"	5, 1 per card
21862	No. 2	3/8"	3/16"	1/2"	5, 1 per card
21863	No. 3	7/16"	15/64"	1/2"	5, 1 per card
21864	No. 4	1/2" and 9/16"	5/16"	1/2"	5, 1 per card
21865	No. 5	5/8"	3/8"	5/8"	5, 1 per card
21866	No. 6	3/4"	15/32"	11/16"	1
21867	No. 7	7/8"	9/16"	11/16"	1

\*Intended to remove screws manually with T-handle tap wrench or equivalent.



### High Carbon Steel Straight Flute Screw Extractors\*

High carbon steel straight flute screw extractors are heat-treated and tempered for long life. The tool surface is treated to resist rust, and the straight flutes provide maximum bite without binding or chewing.

- Required drill size is permanently laser-marked on the shank of each extractor for easy reference

## Miscellaneous Tapping Tools

### Tap Wrenches

T-handle tap wrenches feature adjustable wrench jaws that are self-equalizing. Spring tension holds the T-handle in place.



Item #	For Use With	Quantity	Bulk Item #	Bulk Quantity
21916	No. 0 through 1/4" taps	3, 1 per card	21906	3
21917	1/4" through 1/2" taps	3, 1 per card	21907	3
21908	1/4" through 1/2" taps	3 per pack	-	-



### Die Stocks

Use professional die stocks for easy starting and accurate threading. Each accepts round or hexagonal dies.

- 21932 features three jaws and is self-centering with adjustable guides

Item #	Size	For Use With	Quantity	Bulk Item #	Bulk Quantity
21931	9-3/4"	1" round or hex dies	3, 1 per card	21921	3 per pack
21932	9-3/4"	1" round or hex dies	3, 1 per card	21922	3 per pack
21924	14-1/8"	1-1/2" round or 1-7/16" hex dies	1	-	-
21925	23-1/4"	1-7/8" hex dies	1	-	-



### Assorted Tapping Tools

A variety of tapping tools for repairs and other threading tasks.

- 21938 and 21939 are screw pitch gauges for measuring screw pitches on V-threads
- 21957 is a 6-in-1 tap tool that works like a screwdriver for cutting and renewing internal threads. Features six popular small tap sizes in an interchangeable and reversible holder
- 21958 is a 3-in-1 tap tool that works like a screwdriver for cutting and renewing internal threads. Features three popular small tap sizes in an interchangeable and reversible holder. Includes sizes 6-32, 8-32 and 10-24. Tap blade is replaceable
- 21959 is a replaceable tap blade for 21958
- 21991 and 21992 are thread restoring files for renewing damaged external threads. Use to restore right- or left-handed threads on any diameter

Item #	Description	Quantity
21938	Screw pitch gauge for metric thread counts (0.45 mm to 2.50 mm)	3, 1 per card
21939	Screw pitch gauge for U.S. thread counts (10 to 40)	3, 1 per card
21958	3-in-1 tap tool	3, 1 per card
21959	Replacement blade for 21958	3, 1 per vinyl pouch
21991	Thread restoring file for 11, 12, 13, 14, 16, 18, 20 and 24 threads per inch	3, 1 per card
21992	Thread restoring file for 9, 10, 12, 16, 20, 27, 28 and 32 threads per inch	3, 1 per card

### Tap & Reamer Wrenches

Tap and reamer wrench jaws are hardened and tempered for superior durability.

- Economy tap and reamer wrench features adjustable knurled handles

Item #	Description	For Use With	Length	Quantity	Bulk Item #	Bulk Quantity
21911	Professional tap & reamer wrench	No. 4 through 1/2" taps	8-3/4"	3, 1 per card	21901	3 per pack
21912	Professional tap & reamer wrench	1/4" through 3/4" taps	14-5/8"	1	21902	1
21914	Economy tap & reamer wrench	Taps up to 1/2"	8-3/4"	1	21904	1
21903	Professional tap & reamer wrench	1/2" through 1-1/8" taps	19"	1	-	-





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10482	10	12150	9	12638	6	13462	10	14458	12	15068	30	15598	32
10483	10	12159	9	12645	6	13466	10	14459	12	15070	30	15599	32
10484	10	12160	9	12648	6	13470	10	14460	12	15071	30	15681	33
10485	10	12161	9	12649	6	13474	10	14461	12	15072	30	15684	33
10486	10	12162	9	12650	6	13484	10	14462	12	15073	30	15692	32
10487	10	12163	9	12654	6	13508	7	14463	12	15074	30	15693	32
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10538	8	12167	9	12658	6	14005	18	14468	12	15090	30	15725	36
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11827	8	12272	7	13130	9	14113	17	14566	13	15354	31	15896	36



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23132	80	26120	45	27257	40	28612	68	30259	59	31282	88	514047	18
23133	80	26121	45	27316	40	28614	68	30260	59	31285	88	514048	18
23134	80	26122	45	27317	40	28645	68	30261	58	31289	88	514049	18
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23140	81	26137	45	27416	40	30001	53	30267	58	31342	88	517477	70
23141	81	26150	45	27716	40	30002	54	30268	58	31343	88	517478	70
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## Lifetime Warranty of Vermont American Power Tool Accessories

A Vermont American branded product will provide complete satisfaction for the life of the product or it will be replaced free of charge. If one of our Vermont American branded products does not provide complete satisfaction, please return it to the place of purchase for a replacement. Products not accepted for return at the original place of purchase may also be sent for replacement to Robert Bosch Tool Corporation, Attention: Product Warranty, 1980 Indian Creek Road, Lincolnton, NC 28092. Products that are worn due to excessive use or products that fail due to abuse will not be replaced.

### C. LIMITATIONS OF REMEDY AND LIABILITY

THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY HEREUNDER (OTHER THAN THE WARRANTY PROVIDED UNDER SECTION 6) SHALL BE LIMITED TO REPAIR, CORRECTION OR REPLACEMENT, OR REFUND OF THE PURCHASE PRICE.

RBTC SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY OF PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY,

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# CATEGORY MANAGEMENT

## Pre-planned Optimized Assortments

Category identification signs provide helpful selection information.



New sturdy racking keeps sections locked in place and easy to shop.

### Top Selling Items



## Customized Assortment Planning

### Large Breadth of Line

Ask your local Vermont American representative for additional customized category management solutions (1-800-742-3869).





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08VA-900-1  
August 2008