

Step Drill Bits



Trust IDEAL step drill bits for precise, repetitive drilling through the toughest materials including brass, carbon steel, cast iron, stainless steel, and more. These tough and reliable tools are constructed with a rugged titanium nitrite exterior coating. Each step is gradually blended to ease stepping through hole sizes; reducing the need to keep changing drill bits, which speeds up the fabrication process. Improved Split-Point tip design eliminates the need for a starter hole or punch and delivers three times faster starts, saving valuable time. The double-fluted design provides balanced cuts and cooler operation.



| Drill Diameter Sizes (In.) | No. of Hole Sizes | Step Increments (In.) | Step Thickness (In.) | Shank Dia. (In.) | Cat. No. |
|----------------------------|-------------------|-----------------------|----------------------|------------------|----------------|
| 1/8 to 1/2 | 13 | 1/32 | 1/8 | 1/4 | 35-511 |
| 1/4 to 3/4 | 9 | 1/16 | 1/8 | 3/8 | 35-512 |
| 1/4 to 7/8 | 11 | 1/16 | 1/16 | 3/8 | 35-513 |
| 1/2 to 1 | 8 | 1/16 | 1/8 | 3/8 | 35-514* |
| 1/4 to 1-1/8 | 16 | 1/16 | 1/16 | 3/8 | 35-515 |
| 3/16 to 1/2 | 6 | 1/16 | 3/8 | 1/4 | 35-516 |
| 1/4 to 1-3/8 | 10 | 1/32 | 1/16 to 1/4 | 3/8 | 35-517 |

*Requires pilot holes.

Electricians Step Bit Kit

- Durable blow-molded case securely holds and protects bits
- Includes four step bits (35-511, 35-513, 35-515 and 35-517)
- Kit provides a solution for every electrical hole size between 1/8 in. and 1-3/8 in.



| Description | Cat. No. |
|----------------------------|---------------|
| Electrician's Step Bit Kit | 35-520 |

Quick Change Step Bits



- Split-Point tip lasts longer and starts faster than competition
- High speed tool steel
- Double-tempered for superior tip life
- Double fluted and blended radius steps for smooth drilling
- 1/4" Quick change shank

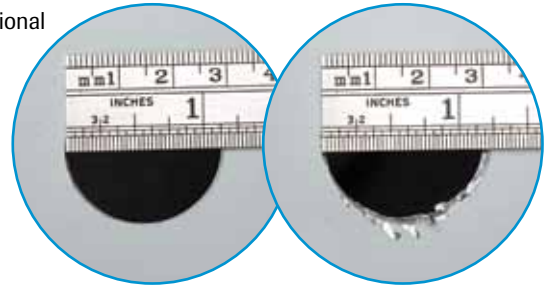


| Drill Diameter Sizes (In.) | No. of Hole Sizes | Step Increments (In.) | Step Thickness (In.) | Shank Dia. (In.) | Cat. No. |
|--|-------------------|-----------------------|----------------------|------------------|---------------|
| 1/8 to 1/2 | 13 | 1/16 | 1/8 | 1/4 | 35-521 |
| 1/4 to 7/8 | 11 | | 1/16 | | 35-522 |
| 1/4 to 1-1/8 | 16 | | 1/16 | | 35-523 |
| Description | | | | | Cat. No. |
| 3-Piece Quick Change Step Bit Kit (35-521, 35-522, 35-523) | | | | | 35-524 |



Carbide Tipped Hole Cutters

TKO™ Hole Cutters offer the most efficient and clean cutter replacement for traditional knockouts, by making smooth holes in a fraction of the time at a fraction of the cost. Specifically designed to cut sheet metal, TKO cutters will even cut stainless steel with fine grained, carbide tips. The innovative design includes the exclusive SmoothStart™ replaceable pilot drill, which guides the cutter to the surface, avoiding cutter damage and providing smoother holes. An integral overdrill flange prevents cutter penetration beyond the sheet metal. When it comes to quality, performance and durability, IDEAL is the professional's choice for carbide tipped hole cutters.



IDEAL TKO™

Competitor

IDEAL provides smoother, more precise holes than competitors' (holes cut with 1-1/8 in. cutters)

HOLE CUTTERS

| Hole Size | Conduit & Pipe Size | Cat. No. |
|-------------------|---------------------------------|---------------|
| 3/4 in. (19mm) | — | 36-300 |
| 7/8 in. (22mm) | 1/2 in. (22mm) - push button | 36-301 |
| 1 in. (25mm) | — | 36-302 |
| 1-1/8 in. (29mm) | 3/4 in. (19mm) | 36-303 |
| 1-1/4 in. (32mm) | — | 36-304 |
| 1-3/8 in. (35 mm) | 1 (25mm) | 36-305 |
| 1-7/32 in. (30mm) | 1-7/32 in. (30mm) - push button | 36-313 |
| 1-7/16 in. (37mm) | — | 36-306 |
| 1-1/2 in. (38mm) | — | 36-307 |
| 1-3/4 in. (44mm) | 1-1/4 (32mm) | 36-308 |
| 2 in. (51mm) | 1-1/2 (38mm) | 36-309 |
| 2-1/2 in. (64mm) | — | 36-310 |
| 2-7/8 in. (73mm) | 2-1/2 (64mm) | 36-315 |
| 3-1/2 (89mm) | 3 (76mm) | 36-316 |
| 4 in. (102mm) | 3-1/2 (89mm) | 36-317 |
| 4-1/2 in. (114mm) | 4 (102mm) | 36-318 |

SmoothStart™ Replacement Pilot Drill

Exclusive! SmoothStart™ pilot guides cutter to surface providing smoother holes and avoiding cutter damage.



| Description | Cat. No. |
|--|---------------|
| SmoothStart™ Replacement Pilot Drill  | 36-312 |

4-Piece Kit

Includes the three most common sizes along with a spare SmoothStart™ pilot bit and a convenient carrying case



| Description | Cat. No. |
|---|---------------|
| 4-Piece Carbide Hole Cutter Kit — Includes SmoothStart™ Replacement Tip, 7/8 in. 1-1/8 in., 1-3/8 in. | 36-311 |

Master Electrician's Kit

Includes six common sizes along with a spare SmoothStart™ pilot bit and a convenient carrying case



| Description | Cat. No. |
|---|---------------|
| Master Electrician's Kit — Includes two SmoothStart™ Replacement Tips, 7/8 in. 1-1/8 in., 1-3/8 in., 1-3/4 in., 2 in. and 2-1/2 in. | 36-314 |



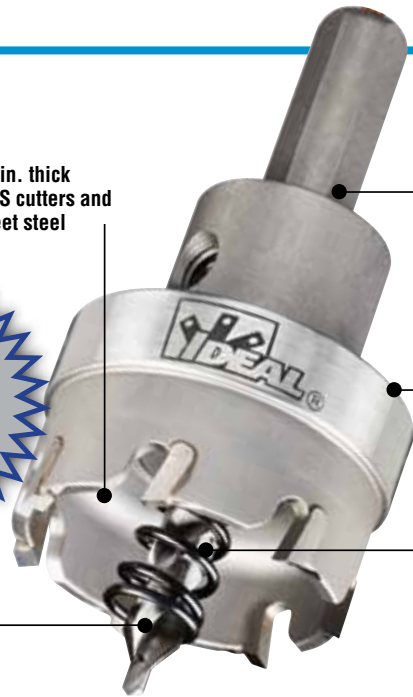
Integrated overdrill flange prevents penetration beyond the sheet metal.



Carbide tips cut up to 1/4 in. thick steel and outperforms HSS cutters and bi-metal hole saws in sheet steel

CUTS UP TO 1/4" THICK STEEL

Exclusive SmoothStart™ pilot drill guides cutter



Integral arbor provides smoother, more accurate holes than hole saws or two-piece carbide-tipped cutters

Integrated overdrill flange prevents penetration beyond the sheet metal

Ejection spring effortlessly ejects slug

See how IDEAL TKO can save time...

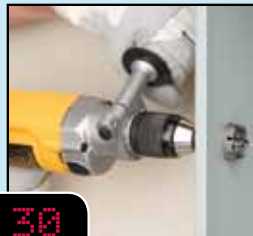
Total time using the IDEAL TKO™
30 Seconds



Chuck Cutter

00:10

Drill hole & store



00:30

Total time using the competitors' knockout tool
More than 6 Minutes



Chuck Step Drill

00:10



Drill Pilot Hole

00:30



Assemble knockout punch & stud pull

02:00



Ratchet

04:20



Slug removed, disassemble & store

06:20

IRONMAN™ Bi-Metal Hole Saws

IRONMAN™ Bi-metal hole saws from IDEAL INDUSTRIES, INC, with re-engineered bi-metal construction, a thick “flex-free” backing plate, and variable sized teeth, will rival the cutting speed and longevity of any in the industry. The bi-metal construction cuts metal, wood and plastics including: tool and stainless steel, nail embedded wood, plywood, and pipe. An extensive list of 50 sizes, effective accessories, and kits are available to meet all your cutting needs. When it comes to quality, performance and durability, IDEAL is the professional’s choice for hole saws.

New improved solid plate design resists flexing of the new hole saw for clean true holes and added durability

Bi-metal construction combines hardened and durable tool steel teeth welded to fatigue resistant body for long and consistent cutting life

Variable sized teeth clear chips away from the work quickly for faster cuts and reduced vibration

Threads fit all standard arbors

1-5/8 in. cutting depth cuts through 2' x 4's on the first cut

Hole Saws

- Thicker, FLEX FREE backing plate for clean true holes and longer tool life
- Improved bi-metal construction for long life and durability
- Variable pitch tooth geometry for fast cutting and reduced vibration
- Cuts all types of machinable metal including stainless steel, wood, nail embedded wood, plastic and fiberboard

| Saw Diameter (Inches) | Pipe Tap Size* (Inches) | Pipe Entrance Size* (Inches) | Cat. No. |
|---|-------------------------|------------------------------|---------------|
| Use Arbor No. 35-391, 35-392 or 35-393 | | | |
| 9/16 | — | — | 35-340 |
| 5/8 | — | — | 35-341 |
| 11/16 | — | — | 35-342 |
| 3/4 | 1/2 | 3/8 | 35-343 |
| 13/16 | — | — | 35-344 |
| 7/8 | 3/4 | 1/2 | 35-345 |
| 15/16 | — | — | 35-346 |
| 1 | — | — | 35-347 |
| 1-1/16 | — | — | 35-348 |
| 1-1/8 | 1 | 3/4 | 35-349 |
| 1-3/16 | — | — | 35-350 |
| Use Arbor No. 35-394, 35-536 or 35-537 | | | |
| 1-1/4 | — | — | 35-351 |
| 1-5/16 | — | — | 35-352 |
| 1-3/8 | — | 1 | 35-353 |
| 1-1/2 | 1-1/4 | — | 35-355 |
| 1-9/16 | — | — | 35-356 |
| 1-5/8 | — | — | 35-357 |
| 1-1/16 | — | — | 35-358 |
| 1-3/4 | 1-1/2 | 1-1/4 | 35-359 |
| 1-13/16 | — | — | 35-360 |
| 1-7/8 | — | — | 35-361 |
| 2 | — | 1-1/2 | 35-362 |
| 2-1/16 | — | — | 35-363 |
| 2-1/8 | — | — | 35-364 |
| 2-1/4 | 2 | — | 35-365 |
| 2-5/16 | — | — | 35-366 |
| 2-3/8 | — | — | 35-367 |
| 2-1/2 | — | 2 | 35-368 |
| 2-9/16 | — | — | 35-369 |
| 2-5/8 | 2-1/2 | — | 35-370 |
| 2-3/4 | — | — | 35-371 |
| 2-7/8 | — | — | 35-372 |
| Use Arbor No. 35-394, 35-536, 35-537 or 35-538 | | | |
| 3 | — | 2-1/2 | 35-373 |
| 3-1/8 | — | — | 35-374 |
| 3-1/4 | 3 | — | 35-375 |
| 3-3/8 | — | — | 35-376 |
| 3-1/2 | — | — | 35-377 |
| 3-5/8 | — | 3 | 35-378 |
| 3-3/4 | 3-1/2 | — | 35-379 |
| 3-7/8 | — | — | 35-380 |
| 4 | — | — | 35-381 |
| 4-1/8 | — | 3-1/2 | 35-382 |
| 4-1/4 | 4 | — | 35-383 |
| 4-3/8 | — | — | 35-384 |
| 4-1/2 | — | 4 | 35-385 |
| 4-3/4 | 4-1/2 | — | 35-386 |
| 5 | — | — | 35-387 |
| 5-1/2 | — | — | 35-388 |
| 5-3/4 | — | — | 35-389 |
| 6 | — | — | 35-390 |

*All pipe sizes listed in the Pipe Tap Size and Pipe Entrance Size columns are standard industry sizes. All pipes are sized by the nominal inside diameter.



8-Piece Electrician's Hole Saw Kit

- Reliable 8-piece kit in a durable plastic case
- Find electrical sizes for pipe and conduit through 2 in.



| Description | Cat. No. |
|---|---------------|
| Hole Saw sizes 7/8 in., 1-1/8 in., 1-3/8 in., 1-3/4 in., 2 in. & 2-1/2 in. Also includes arbor models 35-393 & 35-394 | 35-400 |

14-Piece Electrician's Hole Saw Kit

- Generous 14-piece kit offers a tremendous selection
- Includes electrical sizes for pipe and conduit through 4 in.
- Sturdy plastic case survives extra wear and tear



| Description | Cat. No. |
|--|---------------|
| Hole Saw sizes 7/8 in., 1-1/8 in., 1-3/8 in., 1-3/4 in., 2 in., 2-1/2 in., 3 in., 3-5/8 in., 4-1/8 in., 4-1/2 in. Also includes arbor models 35-391, 35-393 & 35-394 and extension bar 35-396. | 35-401 |

19-Piece Master Electrician's Hole Saw Kit

- For electrical, industrial and all-purpose maintenance needs
- 19-piece kit comes in sturdy durable plastic case
- Plumbing and electrical sizes for pipe and conduit through 4 in.



| Description | Cat. No. |
|---|---------------|
| Hole Saw sizes 3/4 in., 7/8 in., 1 in., 1-1/8 in., 1-3/8 in., 1-1/2 in., 1-3/4 in., 2 in., 2-1/4 in., 2-1/2 in., 3 in., 3-5/8 in., 4-1/8 in. & 4-1/2 in. Also includes arbor models 35-393, 35-394, pilot drill 35-397 (two pieces) and extension bar 35-396. | 35-518 |

Replacement Pilot Drills for Hole Saw Arbors

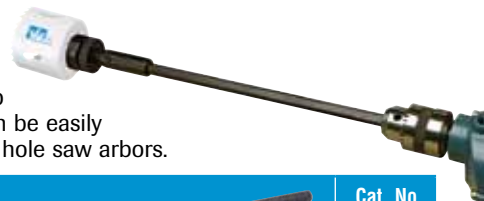
Split point pilot drills start on contact for faster penetration and less walking.



| Description | Cat. No. |
|---|---------------|
| 4-1/2 in. x 1/4 in. – Fits 35-391, 35-393, 35-394 & 35-538 arbors | 35-397 |
| 3-1/4 in. x 1/4 in. – Fits 35-392, 35-536 & 35-537 arbors | 35-398 |

Arbor Extension

For boring jobs that require a longer reach, arbor extensions add up to 18 in. length and can be easily connected to IDEAL hole saw arbors.



| Description | Cat. No. |
|--|---------------|
| Extension for 7/16 in. Arbors, 12 in. long | 35-396 |

Hole Saw Arbors

Best Arbor for Tri-Bore Hole Saws!



35-391 35-392 35-393 35-394 35-536 35-537 35-538

Durable steel construction means years of long-lasting performance. Set-screw in body allows easy replacement of the pilot drill. Save valuable time through this versatile design. Instantly change hole saws without tools and without having to remove the arbor from the chuck.

| Shank Size | Thread Size | Chuck Size | Fits Hole Saw Sizes | Cat. No. |
|---------------|--------------|------------|---------------------|---------------|
| 1/4 in. Round | 1/2 - 20 in. | 1/4 in. | 9/16 - 1-3/16 in. | 35-391 |
| 3/8 in. Hex | 1/2 - 20 in. | 3/8 in. | 9/16 - 1-3/16 in. | 35-392 |
| 7/16 in. Hex | 1/2 - 20 in. | 1/2 in. | 9/16 - 1-3/16 in. | 35-393 |
| 7/16 in. Hex | 5/8 - 18 in. | 1/2 in. | 1-1/4 - 6 in. | 35-394 |
| 7/16 in. Hex | 5/8 - 18 in. | 1/2 in. | 1-1/4 - 6 in. | 35-536 |
| 3/8 in. Hex | 5/8 - 18 in. | 3/8 in. | 1-1/4 - 6 in. | 35-537 |
| 7/16 in. Hex | 5/8 - 18 in. | 1/2 in. | 2 - 6 in. | 35-538 |

Adjustable Can Light Hole Saw

- Cuts drywall and ceiling tile
- Self-sharpening carbide coated cutting blades
- Includes two dust shields to minimize clean up



| Description | Cat. No. |
|---|---------------|
| Adjustable Can Light Hole Saw – 10 sizes from 2-1/2 in. to 7 in. | 35-598 |
| Adjustable Can Light Hole Saw – 13 sizes from 6-1/4 in. to 10-3/8 in. | 35-599 |

Drill not included.

TRI-BORE™

Multi-Purpose Hole Saw



- Massive carbide tips designed to cut wood with nails, cement board, composite enclosures, ceiling tile and more!
- Faster than self-feed bits in wood
- Faster than carbide grip in abrasive materials
- Available in all popular sizes
- Suitable for use with impact drills on impact setting

Carbide Tip Pilot
(Arbors and pilot drills sold separately.)

Carbide teeth for wood with nails, cement board, composite enclosures and other abrasive materials.

Note: Great for adding holes to most precast polymer concrete underground utility vaults.

Rugged construction for extra life

Deep gullets for easy plug removal

HOLE SAWS

Spade Bit & Carbide Pilot

Deep-cup design on Tri-Bore™ Hole Saws require the use of a longer pilot bit.



| Cat. No. | Hole Size (in.) | Application |
|----------|-----------------|--------------------------|
| 36-367* | Spade Bit | Wood boring |
| 36-368* | Carbide Pilot | Abrasive material boring |

*Sold separately.

Hole Saw Arbors

| Shank Size | Thread Size | Chuck Size | Fits Hole Saw Sizes | Cat. No. |
|---------------|--------------|------------|---------------------|----------|
| 1/4 in. Round | 1/2 - 20 in. | 1/4 in. | 9/16 - 1-3/16 in. | 35-391 |
| 3/8 in. Hex | 1/2 - 20 in. | 3/8 in. | 9/16 - 1-3/16 in. | 35-392 |
| 7/16 in. Hex | 1/2 - 20 in. | 1/2 in. | 9/16 - 1-3/16 in. | 35-393 |
| 7/16 in. Hex | 5/8 - 18 in. | 1/2 in. | 1/4 - 6 in. | 35-394 |
| 7/16 in. Hex | 5/8 - 18 in. | 1/2 in. | 1/4 - 6 in. | 35-536 |
| 3/8 in. Hex | 5/8 - 18 in. | 3/8 in. | 1/4 - 6 in. | 35-537 |
| 7/16 in. Hex | 5/8 - 18 in. | 1/2 in. | 2 - 6 in. | 35-538 |

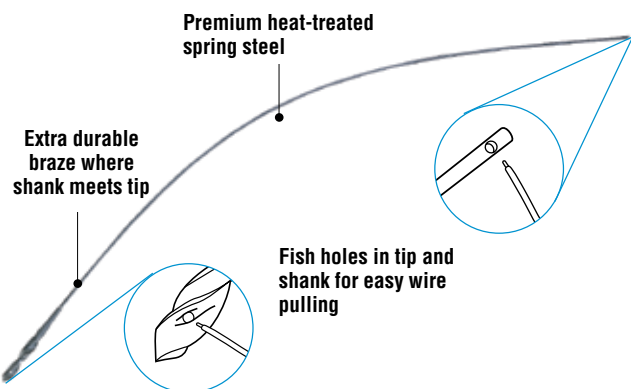
| Cat. No. | Hole Size (in.) | Application |
|----------|-----------------|--|
| 36-350 | 1-3/8 | |
| 36-351 | 2-1/8 | 1-1/2" Pipe and lock installation |
| 36-352 | 2-1/4 | 1-1/2" Pipe with couplings |
| 36-353 | 2-9/16 | 2" Pipe |
| 36-354 | 3 | 2" Pipe with couplings |
| 36-355 | 3-3/8 | |
| 36-356 | 3-5/8 | 3" Pipe |
| 36-357 | 4 | |
| 36-358 | 4-1/4 | 3" Pipe with couplings, 4" dryer vent |
| 36-359 | 4-1/8 | |
| 36-360 | 4-3/8 | Capri®, Halo®, Marco, Mini Juno |
| 36-361 | 4-5/8 | 4" pipe |
| 36-362 | 5-3/8 | Capri®, Juno®, Lightolier, Prescolite, Progress |
| 36-363 | 6-1/4 | 6" Duct |
| 36-364 | 6-3/8 | Capri®, Halo® |
| 36-365 | 6-5/8 | Juno® and Progress |
| 36-366 | 6-7/8 | Capri®, Lightolier, Lithonia, Prescolite, Progress |

Arbor Extension

| Description | Cat. No. |
|--|----------|
| Extension for 7/16 in. Arbors, 12 in. long | 35-396 |

Available in all recessed lighting sizes!

Flexible Drill Bits



Screw Point Flexible Drill Bits, Type B

Best for WOOD

- Fast and aggressive, self-starting bit
- Ultra-sharp ground threads provide increased pulling power through obstructions
- Designed for easy to tough wood drilling

| Description | Shank (in.) | Cat. No. |
|--|-------------|---------------|
| 3/8 in. x 54 in. Screw Point Flexible Bit | 3/16 | 90-082 |
| 1/2 in. x 54 in. Screw Point Flexible Bit | 3/16 | 90-085 |
| 9/16 in. x 54 in. Screw Point Flexible Bit | 3/16 | 90-088 |
| 3/4 in. x 54 in. Screw Point Flexible Bit | 1/4 | 90-091 |

Serrated Combination Flexible Bits, Type C

Best for light WOOD & light METAL

- Fast and aggressive, self-starting bit
- Ultra-sharp ground threads provide increased pulling power through obstructions
- Designed for easy to tough wood and light metal drilling

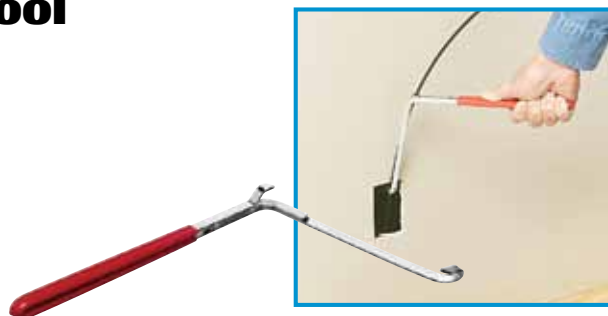
| Description | Shank (in.) | Cat. No. |
|---|-------------|---------------|
| 1/4 in. x 54 in. Serrated Combination Flexible Bit | 3/16 | 90-063 |
| 3/8 in. x 54 in. Serrated Combination Flexible Bit | 3/16 | 90-067 |
| 1/2 in. x 54 in. Serrated Combination Flexible Bit | 3/16 | 90-070 |
| 9/16 in. x 54 in. Serrated Combination Flexible Bit | 3/16 | 90-073 |

Flexible Bit Extension

- Connect to chuck end of shaft to increase the length of the bit

| Description | Shank | Cat. No. |
|--|-------|---------------|
| 3/16 in. x 36 in. Flexible Bit Extension | 3/16 | 90-170 |
| 1/4 in. x 36 in. Flexible Bit Extension | 1/4 | 90-173 |

Flexible Bit Replacement Tool



| Description | Cat. No. |
|-------------------------------|---------------|
| Flexible Bit Replacement Tool | 90-176 |

Installer Bits

- Hole in fluted head for pulling wires through walls, ceiling and floors
- Flutes designed for quick chip removal – no clogging or binding
- Premium quality, extra-hard 52-100 carbon bearing steel

| Description | Length | Cat. No. |
|-------------------------|--------|---------------|
| Installer Bit - 1/4 in. | 18 in. | 35-870 |
| Installer Bit - 3/8 in. | 18 in. | 35-871 |
| Installer Bit - 1/2 in. | 18 in. | 35-872 |

Power Spade Bits

- The most innovative and fastest spade bit
- Smooth and effortless drilling
- Max operating speed 1500 RPM
- Available in a variety of sizes
- Offers less vibration than other bits



| Description | Cat. No. |
|---|---------------|
| 3/4 in. x 4 in. stubby | 36-403 |
| 7/8 in. x 4 in. stubby | 36-404 |
| 1 in. x 4 in. stubby | 36-405 |
| 1/2 in. | 36-413 |
| 5/8 in. | 36-415 |
| 3/4 in. | 36-417 |
| 7/8 in. | 36-419 |
| 1 in. | 36-421 |
| 1-1/8 in. | 36-422 |
| 1-1/4 in. | 36-423 |
| 4-pc. Kit with pouch (5/8 in., 3/4 in., 7/8 in., 1 in.) | 36-432 |





BUL-EYE™ Self Feed Wood Boring Bits

WOOD BORING BITS

| Description | Diameter | Entrance Size for Pipe & EMT | Cat. |
|--------------------------------------|------------|------------------------------|---------------|
| 1 in. Self-Feed Wood Boring Bit | 1 in. | 1/2 in. | 36-250 |
| 1-1/8 in. Self-Feed Wood Boring Bit | 1-1/8 in. | — | 36-251 |
| 1-1/4 in. Self-Feed Wood Boring Bit | 1-1/4 in. | 3/4 in. | 36-252 |
| 1-3/8 in. Self-Feed Wood Boring Bit | 1-3/8 in. | 1 in. | 36-253 |
| 1-1/2 in. Self-Feed Wood Boring Bit | 1-1/2 in. | — | 36-254 |
| 1-3/4 in. Self-Feed Wood Boring Bit | 1-3/4 in. | 1-1/4 in. | 36-255 |
| 2 in. Self-Feed Wood Boring Bit | 2 in. | 1-1/2 in. | 36-256 |
| 2-1/8 in. Self-Feed Wood Boring Bit | 2-1/8 in. | — | 36-257 |
| 2-1/4 in. Self-Feed Wood Boring Bit | 2-1/4 in. | — | 36-258 |
| 2-9/16 in. Self-Feed Wood Boring Bit | 2-9/16 in. | 2 in. | 36-259 |
| 3 in. Self-Feed Wood Boring Bit | 3 in. | 2-1/2 in. | 36-260 |
| 3-5/8 in. Self-Feed Wood Boring Bit | 3-5/8 in. | 3 in. | 36-261 |
| 4-5/8 in. Self-Feed Wood Boring Bit | 4-5/8 in. | 4 in. | 36-262 |
| 5-1/2 in. Extension Bar | — | — | 36-273 |
| 18 in. Extension Bar | — | — | 35-819 |

Replacement Lead Screws

- Keeps self-feed bits running fast and true
- Easily replaced with hex wrench providing extended drill life and optimum cost-per-hole value

| Description | Qty. | Cat. No. |
|--|--------|---------------|
| Small replacement lead screws, fits bit sizes 1 in. - 2-9/16 in.  | 3/pack | 36-271 |
| Small replacement lead screws, fits bit sizes 3 in. - 4-5/8 in.  | 3/pack | 36-270 |

Extension Bars

- Cuts into hard-to-reach areas
- Fits IDEAL Auger Bits

| Description | Cat. No. |
|---|---------------|
| 5-1/2 in. Extension Bar  | 36-273 |
| 18 in. Extension Bar | 35-819 |

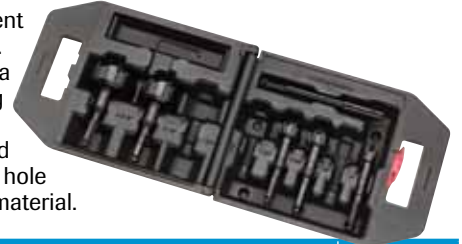
Sharpening File

- Keeps durable bits working like new
- High-grade sharpener hones dulled edges quickly and efficiently

| Description | Cat. No. |
|---|---------------|
| Sharpening File  | 36-272 |

6-Piece Kit

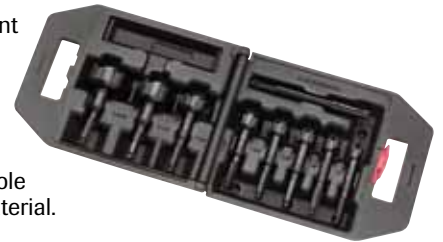
Includes five different bit sizes, a 5-1/2 in. extension bar, and a convenient carrying case, giving you everything you need for drilling multiple hole sizes in any wood material.



| Description | Cat. No. |
|--|---------------|
| 5-1/2 in. extension bar, 1 in., 1-1/4 in., 1-3/8 in., 2 in., 2-9/16 in. bits | 36-266 |

9-Piece Kit

Includes eight different bit sizes, a 5-1/2 in. extension bar, and a convenient carrying case, giving you everything you need for drilling multiple hole sizes in any wood material.



| Description | Cat. No. |
|---|---------------|
| 5-1/2 in. extension bar, 1 in., 1-1/8 in., 1-1/4 in., 1-3/8 in., 1-1/2 in., 1-3/4 in., 2-1/8 in., 2-9/16 in. bits | 36-269 |

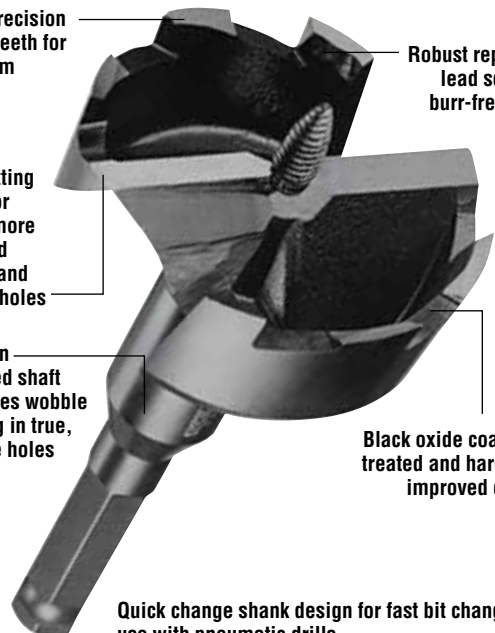
Wider precision ground teeth for maximum control

Robust replaceable lead screw with burr-free threads

Twin cutting edges for faster, more balanced drilling and cleaner holes

Precision machined shaft eliminates wobble resulting in true, accurate holes

Black oxide coated, heat treated and hardened for improved durability



Quick change shank design for fast bit changes and use with pneumatic drills

Nailbiter™ Premium Ship Auger Bits

- Dual-Helix construction with twin cutting edges for faster and smoother drilling action, even through nail-embedded timbers
- Full body, dual induction heat treatment ensures durability, minimizes warping and delivers long lasting performance
- Heavy-duty lead screw designed for quick gripping power, superior penetration and extra-long life
- Re-sharpenable for extended tool life



| Description | Hole Diameter | Overall Length | Twist Length | Cat. No. |
|----------------------------|---------------|----------------|--------------|---------------|
| 5/8 in. Power Ship Auger | 5/8 in. | 7-1/2 in. | 5 in. | 35-810 |
| 11/16 in. Power Ship Auger | 11/16 in. | 7-1/2 in. | 5 in. | 35-811 |
| 3/4 in. Power Ship Auger | 3/4 in. | 7-1/2 in. | 5 in. | 35-812 |
| 13/16 in. Power Ship Auger | 13/16 in. | 7-1/2 in. | 5 in. | 35-813 |
| 7/8 in. Power Ship Auger | 7/8 in. | 7-1/2 in. | 5 in. | 35-814 |
| 1 in. Power Ship Auger | 1 in. | 7-1/2 in. | 5 in. | 35-815 |
| 1-1/8 in. Power Ship Auger | 1-1/8 in. | 7-1/2 in. | 5 in. | 35-816 |
| 1-1/4 in. Power Ship Auger | 1-1/4 in. | 7-1/2 in. | 5 in. | 35-817 |
| Description | Hole Diameter | Overall Length | Twist Length | Cat. No. |
| 1/2 in. Power Ship Auger | 1/2 in. | 18 in. | 15 in. | 35-820 |
| 5/8 in. Power Ship Auger | 5/8 in. | 18 in. | 15 in. | 35-821 |
| 11/16 in. Power Ship Auger | 11/16 in. | 18 in. | 15 in. | 35-822 |
| 3/4 in. Power Ship Auger | 3/4 in. | 18 in. | 15 in. | 35-823 |
| 13/16 in. Power Ship Auger | 13/16 in. | 18 in. | 15 in. | 35-824 |
| 7/8 in. Power Ship Auger | 7/8 in. | 18 in. | 15 in. | 35-825 |
| 15/16 in. Power Ship Auger | 15/16 in. | 18 in. | 15 in. | 35-826 |
| 1 in. Power Ship Auger | 1 in. | 18 in. | 15 in. | 35-827 |
| 1-1/8 in. Power Ship Auger | 1-1/8 in. | 18 in. | 15 in. | 35-828 |
| 1-1/4 in. Power Ship Auger | 1-1/4 in. | 18 in. | 15 in. | 35-829 |

Mini™ Utility Bit Augers

- Designed to fit between wall studs when used with common drills
- Eliminates the need for expensive right angle drills

| Bit Length = 4-3/4", Twist = 2-1/2", Shank = 7/16" | Hole Diameter | Cat. No. |
|--|---------------|---------------|
| 5/8 in. Mini™ Auger | 5/8 in. | 35-862 |
| 3/4 in. Mini™ Auger | 3/4 in. | 35-864 |
| 7/8 in. Mini™ Auger | 7/8 in. | 35-866 |
| 1 in. Power Ship Auger | 1 in. | 35-868 |

RESI-MASTER™ Heavy-Duty Ship Augers

- 62° cutting angle reinforces the cutting edge and provides greater durability
- Hardened lead screw and cutting edge provide increased wear resistance and extended life
- Secondary relief angle evacuates wood chips quickly and prevents auger from jamming
- Oversized cutting head makes hole larger than body of bit for easy ejection from work piece



| Description | Hole Diameter | Overall Length | Twist Length | Cat. No. |
|------------------------------|---------------|----------------|--------------|---------------|
| 5/8 in. RESI-MASTER™ Auger | 5/8 in. | 7-1/2 in. | 5 in. | 35-892 |
| 11/16 in. RESI-MASTER™ Auger | 11/16 in. | 7-1/2 in. | 5 in. | 35-730 |
| 3/4 in. RESI-MASTER™ Auger | 3/4 in. | 7-1/2 in. | 5 in. | 35-893 |
| 13/16 in. RESI-MASTER™ Auger | 13/16 in. | 7-1/2 in. | 5 in. | 35-731 |
| 7/8 in. RESI-MASTER™ Auger | 7/8 in. | 7-1/2 in. | 5 in. | 35-896 |
| 15/16 in. RESI-MASTER™ Auger | 15/16 in. | 7-1/2 in. | 5 in. | 35-897 |
| 1 in. RESI-MASTER™ Auger | 1 in. | 7-1/2 in. | 5 in. | 35-898 |
| 1-1/8 in. RESI-MASTER™ Auger | 1-1/8 in. | 7-1/2 in. | 5 in. | 35-899 |
| 1-1/4 in. RESI-MASTER™ Auger | 1-1/4 in. | 7-1/2 in. | 5 in. | 35-732 |
| Description | Hole Diameter | Overall Length | Twist Length | Cat. No. |
| 1/2 in. RESI-MASTER™ Auger | 1/2 in. | 18 in. | 15 in. | 35-726 |
| 5/8 in. RESI-MASTER™ Auger | 5/8 in. | 18 in. | 15 in. | 35-971 |
| 11/16 in. RESI-MASTER™ Auger | 11/16 in. | 18 in. | 15 in. | 35-727 |
| 3/4 in. RESI-MASTER™ Auger | 3/4 in. | 18 in. | 15 in. | 35-972 |
| 13/16 in. RESI-MASTER™ Auger | 13/16 in. | 18 in. | 15 in. | 35-728 |
| 7/8 in. RESI-MASTER™ Auger | 7/8 in. | 18 in. | 15 in. | 35-976 |
| 15/16 in. RESI-MASTER™ Auger | 15/16 in. | 18 in. | 15 in. | 35-977 |
| 1 in. RESI-MASTER™ Auger | 1 in. | 18 in. | 15 in. | 35-978 |
| 1-1/8 in. RESI-MASTER™ Auger | 1-1/8 in. | 18 in. | 15 in. | 35-979 |
| 1-1/4 in. RESI-MASTER™ Auger | 1-1/4 in. | 18 in. | 15 in. | 35-729 |

Auger Bit Extension

- Dual locking screws
- Allen wrench included



















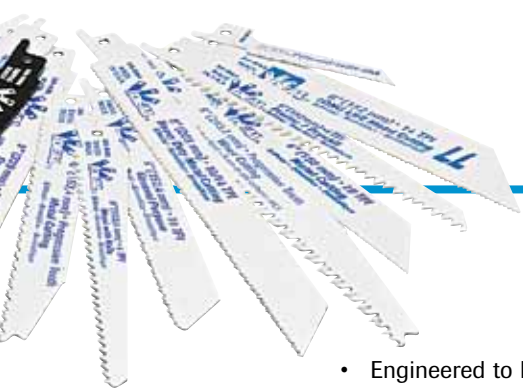
| Auger Bit Extensions, 18"; Six flats to fit drill chuck | Description | Cat. No. |
|---|-------------|---------------|
| Auger Bit Extension - 5/16 in. | | 35-818 |
| Auger Bit Extension - 7/16 in. | | 35-819 |



Reciprocating Blades

- Bi-metal blades last up to ten times longer than carbon steel blades
- Flexible spring-back provides long blade life
- Super-hard, high speed steel teeth for a sharp, long-lasting cutting edge
- Shatterproof for tough applications
- Fits all reciprocating saws using 1/2 in. universal shank





| | L/W/TH (In.) | TPI | Material | Blade Back | Qty. | Application | Cat. No. |
|---|-----------------|-------|------------|------------|------|---|---------------|
| Metal Cutting | | | | | | | |
|  | 6 x 3/4 x .035 | 14 | Bi-metal | Straight | 5 | Pipe, structural steel, stainless steel: 3/32" - 1/4", Non-ferrous metal: 3/32" - 3/8" | 36-059 |
|  | 4 x 3/4 x .035 | 18 | Bi-metal | Straight | 5 | Structural steel, pipe, conduit, stainless steel: 1/16" - 3/16" thick, Non-ferrous metal: 1/16" - 5/16" thick | 36-055 |
|  | 6 x 3/4 x .035 | 18 | Bi-metal | Straight | 5 | Structural steel, pipe, conduit, stainless steel: 1/16" - 3/16" thick, Non-ferrous metal: 1/16" - 5/16" thick | 36-057 |
|  | 8 x 3/4 x .035 | 18 | Bi-metal | Straight | 5 | Structural steel, pipe, conduit, stainless steel: 1/16" - 3/16" thick, Non-ferrous metal: 1/16" - 5/16" thick | 36-060 |
|  | 6 x 3/4 x .035 | 24 | Bi-metal | Straight | 5 | All metal less than 1/8" thick: Tubing conduit, trim | 36-058 |
| Heavy-Duty Metal Cutting | | | | | | | |
|  | 6 x 3/4 x .050 | 18 | Bi-metal | Straight | 2 | Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/16" to 3/16" thick | 36-085 |
|  | 8 x 3/4 x .050 | 10/14 | Bi-metal | Straight | 2 | Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/8" to 1/2" thick | 36-086 |
|  | 12 x 3/4 x .050 | 10/14 | Bi-metal | Taper | 5 | Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/8" to 1/2" thick | 36-087 |
| Wood w/Nails | | | | | | | |
|  | 6 x 3/4 x .050 | 6 | Bi-metal | Taper | 5 | Fast cutting, roughing-in work, nail-embedded wood, remodeling | 36-065 |
|  | 9 x 3/4 x .050 | 6 | Bi-metal | Taper | 5 | Fast cutting, roughing-in work, nail-embedded wood, remodeling | 36-066 |
|  | 12 x 3/4 x .050 | 6 | Bi-metal | Taper | 5 | Fast cutting, roughing-in work, nail-embedded wood, remodeling | 36-067 |
| Demolition | | | | | | | |
|  | 9 x 7/8 x .062 | 6 | Bi-metal | Taper | 2 | Demolition work in nail-embedded wood, remodeling | 36-095 |
|  | 9 x 7/8 x .062 | 10 | Bi-metal | Taper | 2 | Demolition work in wood, metal, pipe and fire and rescue | 36-096 |
| General Purpose | | | | | | | |
|  | 6 x 3/4 x .035 | 10 | Bi-metal | Straight | 5 | Nail embedded wood, metal and non-ferrous metal composition materials & plastics 1/8" - 1/2" | 36-075 |
| Specialty Cutting | | | | | | | |
|  | 8 x 3/4 x .050 | Grit | Tung. Grit | Straight | 2 | Iron pipe, fiberglass, reinforced plastics, ceramic tile, stone, slate and brick. | 36-090 |
|  | 3 x 5/16 x .035 | 18 | Bi-metal | Scroll | 5 | Scroll cutting wood, cast aluminum and non-ferrous metals | 36-054 |
| Plaster/Drywall | | | | | | | |
|  | 6 x 3/4 x .050 | 6 | Bi-metal | Taper | 2 | For plaster, drywall, plaster board & lath. Bi-directional cutting | 36-088 |



Long-Life Metal Cutting Reciprocating Blades


- Engineered to be the longest lasting, metal cutting blades available
- Long-life blades perform up to three times as many cuts as similar metal cutting blades
- 8% cobalt cutting edge for extreme durability
- Shatterproof bi-metal design
- Longer life for greater value



| Long-Life Blades | L/W/TH (Inches) | TPI | Material | Blade Back | Qty. | Application | Cat. No. |
|---|-----------------|-----|----------|------------|------|---|---------------|
|  | 6 x 3/4 x .035 | 18 | Bi-metal | Straight | 5 | Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6" - 3/16" thick | 36-043 |
|  | 8 x 3/4 x .035 | 18 | Bi-metal | Straight | 5 | Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6" - 3/16" thick | 36-044 |
|  | 6 x 1 x .042 | 14 | Bi-metal | Straight | 5 | Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8" and thicker | 36-046 |
|  | 12 x 1 x .050 | 14 | Bi-metal | Straight | 5 | Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8" and thicker | 36-048 |

Progressive Tooth Reciprocating Blades

- Specially designed for all purpose cutting
- Cut multiple materials without changing blades
- Tough bi-metal and HCS construction for long life.

| Long-Life Blades | L/W/TH (Inches) | Blade Back | Qty. | Application | Cat. No. |
|---|-----------------|------------|------|---|---------------|
|  | 6 x 3/4 x .035 | Bi-Metal | 5 | All metal, non-ferrous metal, sheet metal, pipe and other metal materials | 36-056 |

Portable Band Saw Blades



- Bi-metal construction
- Fit all standard portable band saw machines
- For pipe, tubing and solids
- Cut any machinable metal, including conduit, angle iron, structurals, rebar and stainless steel tubing

| L/W/TH (In.) | TPI | Qty./Pack | Cat. No. |
|---------------------|-----|-----------|---------------|
| 44-7/8 x 1/2 x .020 | 10 | 3 | 36-070 |
| 44-7/8 x 1/2 x .020 | 14 | 3 | 36-071 |
| 44-7/8 x 1/2 x .020 | 18 | 3 | 36-072 |
| 44-7/8 x 1/2 x .020 | 24 | 3 | 36-073 |

Selecting the TPI (Teeth Per Inch)

An important factor in obtaining a smooth cut is to determine the teeth per inch (TPI).

Use a coarser blade (2 - 3 TPI) for sawing wood and materials up to 8" thick. A finer blade (18 - 32 TPI) should be used for thinner materials under 1/4".

You should know the SFM for various speed settings on your band saw. This is helpful when selecting the proper speed for the materials being cut. (Be sure to check the owner's manual for your band saw.)