

Catalog

SCREWDRIVERS (Bay 3 Middle Shelf)

These are the different types of screwdrivers/screws are -

1. Flat Head (Slotted)
 - a. The blade is shaped like a chisel and is flat. Used for screws that have the single line and is the most basic type
2. Philips (Cross Slot)
 - a. The blade is shaped as a “+” sign and should be used for screws that have that cross. Phillips screws allow a tighter fit than flat head
3. Pozidriv
 - a. Similar to the Phillips but has a “diamond” like shape in the middle of the cross. Used to fasten small components.
4. Torx
 - a. The blade is a 6-sided star and the screw is a tighter fit than phillips screws
5. Hexagon/Allen Wrench
 - a. Blade is exactly like a hexagon. The screw can be used to fasten wood to metal or wood to wood.
6. Robertson/Square
 - a. Blade is shaped like a square. The screw is mostly used in electrical components



SIZES

Type	Gauge Size
Slot or Flathead	1/8", 5/32", 3/16", 1/4", 5/16", 3/8"
Phillips	#000, #00, #0, #1, #2, #3,
Allen or Hex	0.7, 0.9, 1.3, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5 mm
Torx	T2, T3, T4, T5, T10, T15, T20, T25, T30, T40
Robertson or Square Recess	#0, #1, #2, #3

SCREW GAUGES WITH CORRESPONDING DRIVE POINT SIZES

Screw Gauge	Point Size	Philips	Robertson or Square Recess
2	1/8" / 3.2mm	#1	#0
3	5/32" / 4.0mm	#1	#0
4	3/16" / 4.8mm	#1	#0
5	3/16" / 4.8mm	#2	#1
6	1/4" / 6.4mm	#2	#1
7	1/4" / 6.4mm	#2*	#1
8	5/16" / 7.9mm	#2	#2
9	5/16" / 7.9mm	#2	#2
10	5/16" / 7.9mm	#2	#2
12	3/8" / 9.5mm	#3	#3
14	3/8" / 9.5mm	#3	#3

* There is also a Phillips #2 drywall bit designed specifically for shallower drywall screws.

What do the heads on the screwdriver heads mean?

- The image and/or letters indicates the type of head that the screwdriver has
- The number indicates the size of that head

Identifying Screwdriver heads -

- Philips -
 - Sizes on Phillips heads range from 00 to 2



- Flat Head -
 - Flathead sizes are by width in inches. Common sizes range from 1/32" up to 1/2"



- Torx -
 - Torx has a type-specific sizing, most commonly ranging from T15 (0.128") to T40 (0.260"). There also exists Security Torx, Torx with an extra hole in the center to make it more difficult to remove.



- Robertson -
 - The SQ1 is for Square Size #1, also called Robertson. They range from #00, which is 1/16" to a side, to #4, which is 3/16" to a side.



- Hex -
EKLIND 25611 Ergo-Fold Fold-up Hex Key allen wrench



CLAMPS (Bay 2 Middle and Bottom Shelf)

Bandy Clamp

Small:

Overall Dimensions: 2-3/4"W x 5"L

Maximum Opening: 1-1/4"

Throat Depth: 1-7/8"

Medium:

Maximum Opening: 2"

Jaw Depth: 1-5/8"

Patent pending

Large:

Overall Dimensions: 5"W x 8-3/4"L

Maximum Opening: 2-5/8"

Throat Depth: 3-3/4"

- A solution for clamping edge banding.
- The rubber band strap connected between the no-slip clamp pads puts pressure on the edge of your work piece - the deeper you set it, the tighter the pressure.
- There are 3 different sizes of clamps so be sure to ask for the appropriate one



Rockler Bandy Clamps

Spring Clamp

Length (In.): 6

Max. Jaw Opening (In.): 2

- Spring clamps are commonly used to clamp wood, metal, plastic, and fabric with a single point of pressure.
- Their work is great for clamping stop blocks on fences or jigs, clamping power cords, fast and easy clamping, and gluing woodworking projects.



Trigger Clamp

12 in, 100 lbs, 2.43 in. Throat Depth

- It can be used for a range of work applications, from light-duty woodworking up to heavy-duty metal construction and fabrication.
- It is an ideal clamp for holding a workpiece while performing a variety of tasks, such as cutting, sawing, sanding, gluing and nailing.



Pipe Clamps

- Are used as an efficient and tidy way to restrain, secure and guide tubing or conduit
- Used for a range of plumbing, heating and electrical purposes.



C Clamp

8 inch max opening
2750 lb clamping pressure
3 and 1/4 in Throat Dp

- Are used to hold materials in place, usually wood or metal
- Have been used in woodworking for quite awhile, they help hold pieces steady



PLIERS (Bay 2 Middle Shelf)

<p><u>Wire Stripper</u></p> <ul style="list-style-type: none">• Is a small hand-held tool that is used to remove the insulation from electric wires or repair them.	 A pair of blue-handled wire strippers with black jaws. The handles have "KLEIN TOOLS" printed on them. The jaws are serrated and feature a small circular dial with markings for different wire sizes.
<p><u>Irwin Vise Grip - Curved Jaw Locking Pliers with Wire Cutter (10WR)</u></p> <p>Available - 5", 7", 9"</p> <ul style="list-style-type: none">• A versatile pair of pliers that locks effectively around different objects.	 A pair of silver-colored locking pliers with curved jaws. The handles have "IRWIN" and "VISE GRIP" printed on them. The jaws are serrated and feature a wire cutter slot.
<p><u>Stanley Groove Joint Pliers</u></p> <ul style="list-style-type: none">• Are often used for gripping irregularly shaped objects.• They can also be used for clamping materials or for turning and holding nuts and bolts.	 A pair of silver-colored groove joint pliers with black handles. The handles have "STANLEY" printed on them. The jaws are adjustable and feature a yellow band near the handle.
<p><u>Stanley Long Nose Pliers</u></p> <ul style="list-style-type: none">• cutting and holding pliers used to bend, re-position and snip wire.	 A pair of silver-colored long nose pliers with black handles. The handles have "STANLEY" printed on them. The jaws are pointed and feature a yellow band near the handle.

Stanley Diagonal Pliers

- Diagonal cutting pliers are used for cutting wire and small pins in areas that cannot be reached by larger cutting tools
- Because the cutting edges are diagonally offset about 15 degrees, these can cut objects flush with a surface.



Stanley Bent Nose Pliers

- Bent nose pliers are ideal for getting into and gripping hard to reach places, they can also be used for opening and closing jump rings and shaping wire.
- The bent angle of tips means that you can see your work without the handles getting in the way of your line of sight.



Stanley Linesman Pliers

- Lineman's pliers are used by electricians to straighten, cut, grip, twist, push, and pull wire.
- They are used to cut and bend light gauge metal and pull staples and nails.



Klein Tools Cable Crimper

- Crimping is commonly used in electrical work, to attach wires together or wire to other connectors.
- "Crimp connectors" is the general name for the fittings that attach to the wire using this method, which usually have an insulated sleeve attached to a metal connector.



Klein Wire Stripper

- A wire stripper that has an adjustable stopper to control the length of the core strip and a tensioning thumb wheel allows for precise stripping of smaller gauge wire



Crescent Wiss Aviation Snip

Overall Length: 10 1/2 in

- Aviation snips are designed for cutting sheets of materials which are difficult to cut
- They are used for straight cutting and the complex shaping of tough materials.



Retaining Ring Plier Set: External
Retaining/Internal Retaining

- They're designed for installing or removing circlips, a type of fastener that works like a retaining ring.

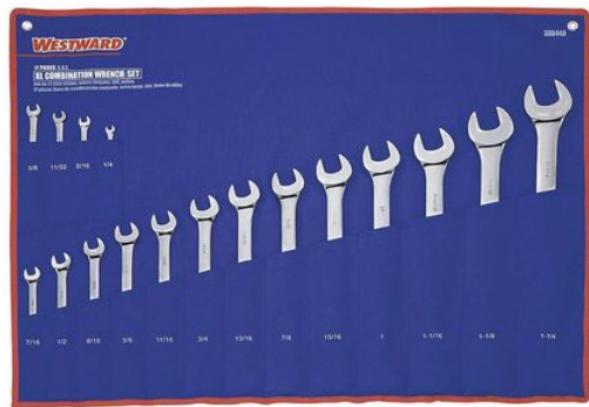


Adjustable Wrench

- Used for gripping, fastening, turning, tightening and loosening things like pipes, pipe fittings, nuts and bolts.
- 6", 8", 10" available



WESTWARD
Combo Wrench Set, Polish, 1/4-1-1/4in,
17Pc



Westward Ergo Files Set 9pc

- Files are tools that make it easy and comfortable to remove metal, sharpen edges, and shape surfaces in a variety of applications.



HAMMERS (Bay 2 Top Shelf)

<p><u>Proto antivibe Ball Peen Hammer Set</u></p> <p>Sizes - 8, 12, 16, 24</p> <ul style="list-style-type: none">• Patented Anti-Vibe® technology delivers greater vibration dampening effect than traditional one-piece steel hammer.• Designed for peening, or shaping metal materials by hammering	
<p><u>Westward Rubber Mallet</u></p> <p>Head Weight: 32 oz</p> <ul style="list-style-type: none">• The rubber mallet has a rubber head that lets you put plenty of muscle behind each blow without damaging workpiece surfaces• Generally used to position objects rather than for driving.	

Westward dead blow hammer

Head Weight: 37oz

- A dead blow hammer is a mallet-like tool used to absorb tremors that occur when the hammer strikes
- Prevents damage to soft surfaces, while reducing the amount of rebound and improving the striking force of the hammer.



Milwaukee Tools 3lb Fiberglass Drilling Hammer

- The milled face grips chisels, punches, stakes, and spikes to reduce slippage or misstrikes, while the smooth face can be utilized for a wide range of striking applications
- Designed with a high strength fiberglass handle and reinforced overstrike protection.



19oz Milled Face Hickory Handle Framing Hammer

- Is designed for carpenters and craftspeople with a precision balanced design
- The wood handle framing hammer has a magnetic nail set in the metal head as well.



Pittsburgh 1-1/2 lb. Soft Face Mallet

- The soft face rubber mallet has two replaceable faces, one made of soft rubber and the other of high density plastic
- The rugged chrome-plated head and tubular steel shaft are designed to stand up to heavy usage.



DRILL BITS/POWER TOOL ACCESSORIES (Bay 2 (Aisle 2) Center Rack Top Shelf)

Milwaukee HOLE DOZER™ Plumbers Hole Saw Kit, 12pc

- Features a new 3.5TPI tooth design that offers users the longest life in metal applications.



DEWALT Black and Gold 14-Piece Assorted Set Black and Gold Coated Hss Twist Drill Bit Set

- Used for drilling into a variety of materials including plastic, wood, and metal.
- Need: Drill, clamps



Milwaukee Shockwave Titanium Red Helix Drill Bit Set 15 pc

- Used for drilling into a variety of materials including plastic, wood, and metal.
- Need: Drill, clamps



Warrior 6 Piece Wire Wheel and Cup Brush Set

- Used for any surface cleaning job.
- These tough wire wheels are filled with crimped, un-tempered carbon steel wire.
- The crimped wire cup brush is rigidly secured to a safety-designed cup-shaped metal holder for added durability and efficient use.



Forstner Bit Set (8-Piece) - Ryobi

- Helps you quickly make clean holes in wood
- Great for making flat-bottomed holes
- X-Wing design for greater visibility and precision cutting.
- Only use these bits on a drill press



Avanti Pro - HCS Spade Bit Set (10-Piece)

- This set provides top quality performance when drilling into clean wood.
- A centering point tip allows for fast starts and easy entry in clean wood applications.
- The flat paddle design effectively removes debris for clean holes.



15 Pc. Router Bit Starter Set - Carbide Cutters - 1/2" Shank - Yonico 17150

- A starter router bit set with the most essential profiles and shapes. For use on table mount and handheld router



Buffalo Corporation® - Pro-Series™
24-piece Carbide Tipped Router Bit Set

- This set has 24 popular and specialty router bits for decorative edging, joining and veining
- Great for hobbyist or professional woodworkers to use during home restoration, cabinet making and woodworking projects.



Westward 25-Piece Hole Saw Kit for Wood, Range of Saw Sizes: 3/4" to 4-3/4"

- This kit includes a selection of hole saw sizes, an arbor, and a pilot bit.
- They are used to cut wood, plywood, and MDF.
- Hole saws have a cutting rim and hollow core to remove material while leaving a core of the material whole.
- This allows larger holes to be drilled faster using a handheld power drill than would be possible using a drill bit.

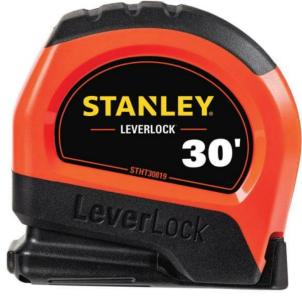
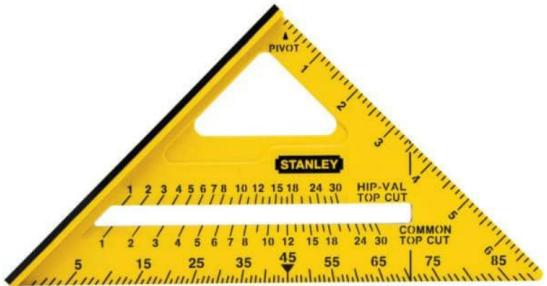


Gearwrench - 40 Piece Ratcheting Tap and Die Drive Set

- Tap and dies are metal threading tools.
- Taps make internal threads inside a hole and dies make external threads on a round rod.
- They are often used for rethreading (cleaning up existing threads).



MEASURING TOOLS (Bay 3 Top Shelf)

<u>Measuring Tape/Tape Measure</u> <ul style="list-style-type: none">A tape measure, or measuring tape is a type of hand tool typically used to measure distance or size.	 A red and black STANLEY LeverLock tape measure with a 30-foot (9m) reach. The brand name 'STANLEY' and 'LeverLock' are printed on the handle, and '30'' is prominently displayed on the tape.
<u>Set Squares</u> <ul style="list-style-type: none">The two common set squares are the 45° and the 60°-30° set square.These are used with the T-square to draw many common angles, providing that the angles are multiples of 15°.They are also used to draw parallel and perpendicular lines.	 A yellow STANLEY 45° set square. It features a pivot point at the top vertex and scales in inches (top) and centimeters (bottom) for both common and hip-val-top cuts.
<u>Carbonized Bamboo Try Square</u> <ul style="list-style-type: none">The essential marking and checking tool for any professional woodworkerMakes assessing angles and marking straight cuts easy and accurate.	 A dark wooden carbonized bamboo try square with a metal ruler attached to its hypotenuse side. The ruler has markings from 0 to 7 inches and 1/16 increments.
<u>Husky Digital Fractional Caliper</u> <ul style="list-style-type: none">Digital calipers guarantee accuracy when you need to measure and fit joints, check board thicknesses while planing, or set cutting depths.	 A black HUSKY digital fractional caliper. It features a digital display, a measuring jaw, and a scale with markings from 0 to 12 inches.

Johnson combination square

- A combination square is a multi-use measuring instrument
- Primarily used for ensuring the integrity of a 90° angle, measuring a 45° angle, measuring the center of a circular object



Power Tools (Vault)

DEWALT 20V MAX XR Brushless Drill

- A cordless drill is an electric drill which uses rechargeable batteries.
- Drills are primarily used for drilling circular holes in material, or for inserting screws and other threaded fasteners into material.
- Used with drill bits and a battery



Dewalt Battery (For Drill and Impact Drivers)

- Rechargeable batteries in black or yellow, used with Dewalt drill or impact drivers



Dewalt 20V MAX Impact Driver

- An impact driver uses rotational force to drive a screw and saves its bursts of quick power when it feels resistance
- instead of a standard 13mm chuck, it features a 1/4" hex bit holder which grips small screwdriver bits.
- Impact Drivers are all about hi-torque, coupled with high levels of impact.



Milwaukee 2729S-20 M18 FUEL™

Deep Cut Dual-Trigger Band Saw (Cordless)

- Used for hand-held cutting of metal and other materials
- Dual-trigger design for safety
- Cordless design, need battery to operate



M18 FUEL™ SAWZALL®

Reciprocating Saw (Tool Only)

- A reciprocating saw is a type of machine-powered saw in which the cutting action is achieved through a push-and-pull ("reciprocating") motion of the blade.



Milwaukee 5.0AH Battery Pack

- For milwaukee cordless tools



Milwaukee Handheld Cordless Jig Saw

- A jigsaw is a saw which uses a reciprocating blade to cut irregular curves, such as stenciled designs, in wood, metal, or other materials.



Milwaukee 4 1/2 Inch Cordless Grinder with Burst Resistant Guard and Paddle Switch Design

- Cordless angle grinders are hand-held battery operated tools used in a wide range of industries.



Makita BO5041 Random Orbit Sander

- A random orbital sander (also known as a palm sander) is a hand-held power tool which sands in a random-orbit action.
- Used for sanding surfaces like wood



Ryobi Cordless 10 inch Orbital Buffer

- A power tool which attaches to a backing plate and buffering pad that uses random oscillation to spread a product onto a surface and/or utilize an abrasive to remove surface defects from a surface.



Wagner Heat Gun

- Corded heat gun, used for heating adhesives, media, etc.



Cordless 3-in-1 Backpack Vacuum

- A cordless vacuum that can be worn as a backpack, provides mobility.



DeWalt Rapid Heat Ceramic Glue Gun

- A hot glue gun is a very useful tool for joining modeling materials and even more substantial materials can be fixed together with it.



Menu

Materials:

3d Printing

- Resin, clear and white, for SLA Resin printing.
- PLA Filament, for FDM printing.

Waterjet

- Garnet cutting material for the waterjet

Large Format Printer

- 3M ControlTac Vinyl (Matte, 40c-20r) - 54" wide print roll
- Butcher Paper (60#) - 48" wide print roll
- Briteline Canvas (Satin) - 54" wide print roll
- Briteline Static Windowcling (clear) - 54" wide print roll
- Briteline UV Overlaminate (3mil, matter) - 54" wide print roll
- Poster art paper - 54" wide print roll
- Waterproof Inkjet Screen film
- Roland Brand Ink for large format printing

Other

- ½"x48" Round Dowel
- ¼"x48" Round Dowel
- ½" Plywood 4'x4'
- ¾" Plywood 4'x4
- ⅛" Plywood 12"x24"
- ⅛" Clear Acrylic Sheet 12"x24"
- Neodymium Magnet

Consumables

Abrasives:

- 5" Sandpaper disc for the orbital sander - Available in 80, 120, 180, 220, and 400 grits
- 9"x11" Sandpaper sheets - Available in 150, 220, 320 and 400 grits

Adhesives and Tape

- Electrical tape
- Masking Tape
- Quick-set Epoxy
- Superglue

Tools

- Snap Blade Utility Knife

Fasteners

- 460 pc Nut and Washer assortment
- 500 pc Brass-plated Wood Screw assortment

Silk Screen Printing

- Diazo Photo Emulsion - 2 part
- Silk screen mesh panel - 20"x24"