Mortise & Tenon Jig

General Tools offers one of the best assortments of wood joining jigs available including our new Mortise and Tenon Jig, The Dovetailer II Jig, and the award-winning EZ Pocket Hole Jig and EZ Jointer Clamp Kits. These heavy-duty woodworking tools are ideal for furniture building, cabinetry making and other professional carpentry projects. In addition, we offer plenty of wood joining accessories such as screws, plugs and drill bits.

MORTISE & TENON JIG

- Create professional matching Mortise & Tenon Joints Right Out of the Box
- The first of its kind, all-in-one precision machined Mortise & Tenon Jig
- Produce 1/4", 3/8" and 1/2" Mortise and Tenons
- Includes: 1/4" high-speed steel spiral upcut router bit and User's Manual

The Mortise & Tenon joint has been used for thousands of years. Not until now has someone figured out how to provide a fast and straightforward all-in-one solution for cutting both a matching mortise & tenon with a single affordable jig. General’s E•Z Pro™ Mortise & Tenon Jig is ready to use right out-of-the-box to produce the widely used 1/4" mortise and tenon joint. Using a plunge router with the jig, woodworkers of all levels can quickly and easily cut both mortises and tenons ranging from 1/4" to 1/2" thick, and from 1" to 3" wide. Without difficulty, this unit can easily handle wood stock ranging from 1/2" to 1-1/2" thick and can cut multiple mortises in a single long piece.

No. 870
Patent Pending

Woodworking Made Easy!
"The Easy Way to Make Professional Furniture Joints"

**E-Z Pro**

**THE DOVETAILER II**

**DOVETAIL JIG**

With the E•Z Pro™ Dovetailer II and your router, you can cut Professional Dovetail Joints, Simply and Accurately...

**Right Out Of The Box!**

- Self-aligning design ensures that both ends of the dovetail joint match-up evenly every time
- Sturdy machined one piece aluminum construction
- Easily adjusts the dovetail interference to create loose or tight joints
- Portable to your worksite or home workshop
- Use with hand or table router
- New table router control knobs assure safe, comfortable and accurate use
- No need to bolt to the jig onto workbench like many expensive dovetail jigs
- Integrated clamps allow precise clamping of jig to work piece
- Accommodates boards of any widths
- Length: 12"; Width: 3"; Height: 3"; Weight: 2-lbs. 1.1oz.

Includes: 1/2" Dovetail Router bit, User’s Manual

**NEW COLOR SHOWN**

Woodworking Made Easy!
Pocket Hole Jigs

Pocket hole joints are sturdy and simple to make with a drilling jig. By drilling steeply pitched counterbores in one joint member, you can drive self-tapping screws into the other without pilot holes. Ideal for leg and rail connections and face frame cabinet construction.

**E-Z Pro Pocket Hole Jig Kits**

- Ideal for leg-and-rail connections, cabinet construction, sneaking screws into tight-squeeze spots or fastening picture frame miters
- Heavy-duty aluminum extrusion and hardened steel bushings
- By drilling steeply pitched counterbores in one joint member, you can drive self-tapping screws into the other joint member without pilot holes
- Built to be portable or bench mounted

**849 Kit includes:**
- 1 Pocket Hole Jig with Clamps
- 3/8" Step Drill Bit
- 1 3/8" Drill Stop
- 6" Square Drive Bit
- Square Drive Screws
- Instructions

**850 Kit includes:**
- Hard, molded carrying case;
- All of the above plus . . . 25 Course Square Drive Screws, 25 Fine Square Drive Screws, 25 Wooden Pocket Hole Plugs

**Pocket Hole Jig Accessories**

**E-Z" Step Drill Bit**

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**Square Drive Bits**

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<td>3&quot; and 6&quot; long</td>
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**Pocket Hole Plugs**

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**Pocket Hole Screws**

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<tr>
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</table>
E-Z Woodworking
For the Professional and the Do-It-Yourselfer

E-Z Pocket Hole Jig Kit

Award Winning Ingenuity!

849 KIT INCLUDES
• 1 Pocket Hole Jig with Clamps; 3/8” Step Drill Bit; 1 3/8” Drill Stop and Hex Wrench; 6” Steel Square Drive Bit; Square Drive Screws, Instructions

850 KIT INCLUDES
• All of the above plus 25 Course Square Drive Screws; 25 Fine Square Drive Screws; 25 Wooden Pocket Hole Plugs and Hard, Molded Carrying Case

No. 849

SMART DESIGN
• Heavy-duty aluminum extrusion & hardened steel drill bushings
• Built to be portable or bench mounted, and designed with a built-in clamping system

THREE TYPES OF POCKET HOLE JOINTS
• Flush, Corner & Angle

No. 850

For more information visit www.generaltools.com/joiningtools
Our E•Z Pro Doweling Kit includes everything you need to make beautiful wood joints like a pro! This heavy-duty aluminum jig simplifies the doweling process, allowing you to create Edge-to-Edge, Right Angle and Edge-to-Surface joints with little effort. No. 8401 Dowel Accessory Kit can be used with both the No. 840 and No. 841 Doweling Jigs.

**E•Z DO WELING JIG KIT**
- Dowels add mechanical strength to butt joints and keep miters lined up during clamping
- The pointed notches on the working edges of our jig centers the drill bit automatically for precise registration
- Create 3 types of dowel joints: Edge to edge, right angle, edge to surface, as well as 3 sizes of dowel joints; 1/4", 5/16" and 3/8"
- Ideal for 5/8", 3/4" and 1" thick stock
- Kit includes: 1 Dowel Jig; 3 Brad Point Drill Bits; 1/4", 5/16", 3/8"; 3 steel stops 1/4", 5/16" and 3/8" with Hex Wrench, 6 Dowel Center Points; 2 each of 1/4", 5/16" 3/8"; supply of wood dowels, Instructions

**UPC NO.**
70820000317

**841 E•Z Pro Doweling Jig Kit**

**DO WEL ACCESSORY KITS**
- Replacement bit for General’s E•Z Pocket Hole Jig Kit (No. 849)
- Accessories Kit for General’s Pro Doweling Kit (No. 840) and E•Z Dowel Kit (No. 841)
- 841014 Kit includes: 12-1/4" Dowel Pins, 1-1/4" Brad Point Drill Bit, 1-1/4" Drill Stop Collar, 2-1/4" Dowel Centers, 1 Hex Key
- 841516 Kit includes: 12-5/16" Dowel Pins, 1-5/16" Brad Point Drill Bit, 1-5/16" Drill Stop Collar, 2- 5/16" Dowel Centers, 1 Hex Key
- 841038 Kit includes: 10-3/8" dowel pins, 1-3/8" Brad Point Drill Bit, 1-3/8" Drill Stop Collar, 2-3/8" Dowel Centers, 1 Hex Key

**UPC NO.**
08401 9
02119 6
02120 2
02121 9

**8401 Dowel Accessory Kit**
**841014 1/4" Dowel Accessory Kit**
**841516 5/16" Dowel Accessory Kit**
**841038 3/8" Dowel Accessory Kit**
General's EZ Pro™ Jointer Clamp Kit is the alternative to expensive jointers. Now, you can straight-line rip crooked boards using your table saw! Just attach your crooked board to a piece of straight stock using the Jointer Clamps and run the stock along the rip fence to rip the crooked board. Works in two easy passes. Great for use with long stock. Patented swing arm design allows you to accurately rip wide boards with ease.

**Dowel Centers**
- General’s dowel centers are the quickest and most accurate method to locate, transfer and match dowel holes.
- Made of nickel plated steel.
- **Set includes:** 8 pcs., two of each size: 1/4", 5/16", 3/8", 1/2" diameter.
- **UPC NO.** 25099 5 888 Dowel centers.

**Drill Stop Set**
- For use on twist or brad point drills to prevent excessive drill penetration.
- Positive depth control assures exact hole depths for multiple drilling jobs.
- Black oxide finish on cold rolled steel.
- **Includes hex wrench**
- **UPC NO.** 23096 6 S838 SIZES INCLUDED:
  - 3/16" dia., 1/4" dia., 5/16" dia., 3/8" dia., 7/16" dia., 1/2" dia.

**E-Z Pro TRU-EDGER JOINTER CLAMP**
- The long awaited alternative to expensive jointers!
- Straight line rip crooked boards on your table saw.
- Just mount the clamps to a guide board to create a flat reference edge.
- The guide board can be made from any straight edged scrap.
- Clamp the stock to the guide board and make your rip cut.
- Get a dead-flat edge every time, with no extra waste.
- The jointer clamps work on any length stock up to 2" thick.
- Instructions included.
- **UPC NO.** 708200000010 846 2" stock.

**Photos property of Woodworker’s Journal**
WOOD JOINING TOOLS

Wood Joinery

For clean joints that need to be strong and fastener-free, there’s almost no substitute for the dowel joint. However, if dowel holes are even slightly askew, the dowels won’t mesh rendering the joint unusable. General’s E•Z Pro Doweling Jig offers a simple, versatile way to produce precision edge-to-edge, right angle, or edge-to-surface joints. The Kit features three size dowels (1/4", 5/16" and 3/8"), and the jig has three different drilling positions designed for stock of 5/8", 3/4" and 1" thick. Steel stops allow you to vary the depth of the cut. Perfect for joints that will be press fit or glued.

PRO-DOWELING KIT

- A precision jig that assures accurate line up of dowel holes in furniture and carpentry
- Revolving hardened sintered turret has six twist drill sizes
- Instructions included
- Drill sizes: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
- Package Contents:
  1 Doweling Jig;
  3 Brad Point Drill Bits, 1/4", 5/16", 3/8";
  Dowel and Tenon Centers Set from
  3/16” ID to 1/2” OD;
  3 Drill Stops, 1/4", 5/16", 3/8”;
  30 Dowel Pins, 10 each 1/4", 5/16", 3/8”;
  Wood Glue

UPC NO. 24120 7
NO. 840
Wood Joinery

The AccuDrill Precision Drill Guide adds a whole new level of accuracy to your standard power drill. The AccuDrill is great for angle drilling, doweling, plug cutting and even edge sanding. With the easy-to-use protractor scale, you can adjust the Drill Guide in five degree increments from 0-45°, left and right. In addition, V-Guides on the base permit drilling through dowel or other rounded stock. Attaches to all 3/8" and 1/2" power drills. Folds for tool-box storage.

**PRECISION DRILL GUIDE**
- Attaches to all 3/8" and 1/2" power drills
- Cross slide lock for accurate shaping and carving
- 3/8" capacity drill chuck with key
- Positive stop for accurate drill depth control
- Dual locking knob and handle holds precise angle setting
- Folds flat for tool box storage
- Easy-to-read protractor scale has 5° graduations (0° - 45° left or right)
- V-guides automatically center round stock for drilling
- Self centering channel for edge drilling

**UPC NO.**
23059 1 36/37 AccuDrill Precision Drill Guide

**For round Bar Center Drilling**
1

**Straight Edge Center Drilling**
2
As an FSC (Forest Stewardship Council), certified company, General's Wood Joining Program includes wood based products that are manufactured in accordance with FSC standards. The FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests and is nationally represented in more than 50 countries around the world.

**FLUTED DOWEL PINS**

A fluted dowel pin has a series of parallel grooves cut along its length providing channels through which excess glue—that is used to secure the dowel pin in its hole—can escape as the dowel is inserted. This relieves the hydraulic pressure that might otherwise split the timber when the mating pieces are clamped together. General's fluted dowels are ideal for creating strong and secure joins in furniture, cabinets, trim and special woodworking projects.

- Made of straight-grained solid hardwood
- Expands when used with water-based glue for extra tight join
- Fluted for easy insertion

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<td>02104</td>
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<td>840012 1/2&quot; Fluted Dowel Pins</td>
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**FLAT HEAD PLUGS**

Premium Flat Head Screw hole Plugs have a tapered tenon to insure a tight fit. Designed to form a flush finish in furniture and other woodworking applications. Paint or stain for a perfect wood-color match or for accentuated contrast.

<table>
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**BUTTON HEAD PLUGS**

Button Head plugs are ideal for filling in those unsightly screw holes and can be installed easily with wood glue. Button head plugs can be used for a variety of craft, wood working and furniture projects. When fully-seated, the domed, button head protrudes above the wood surface and over the screw hole edge adding a more decorative look. Slightly tapered plug body to ensure a tight secure fit.

- Wood grain runs in the direction of the plug width for best match
- Paint or stain for a perfect wood-color match or for accentuated contrast

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<tr>
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<td>02108</td>
<td>3</td>
<td>312012 1/2&quot; Button Plugs, Hardwood</td>
<td>50</td>
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</table>
The important characteristics of wood joints are strength, flexibility, toughness and appearance. Both exterior and interior temperature changes can cause major shifts in the moisture content of wood and can compromise the strength and longevity of a joint. General's wood based joining products have been developed to provide strong joints that adjust to every day environmental changes.

**ROUND HEAD PLUGS**
- Premium Round Head Screw hole Plugs with tapered tenon to insure tight fit
- Designed to form a slightly raised round finish in woodworking applications
- Paint or stain for a perfect wood-color match or for accentuated contrast

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<tr>
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**SHAKER PEGS**
Made from solid hardwood, General's Classic Shaker pegs can be useful throughout the entire house. Install them in the foyer or mud-room, kitchen, bathroom, child's room etc. Hang your favorite coffee mugs, towels, hats, neck ties, toys and even herbs!
- Create customized pegboards to better organize your work and living spaces
- Use General's Shaker pegs to replace damaged pegs in your pegboards
- Paint or stain for a perfect wood-color match or for accentuated contrast

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**BISCUITS**
Wood Biscuits, sometimes referred to as Wood Plates or Wafers, are used for edge or corner jointing. When General's biscuits come into contact with water based glue they swell, thus creating a ‘locked’ joint for a strong secure fit.
- Used for Wood Joinery with Biscuit Joiners
- Great for furniture, cabinets and trim
- Biscuits soak up water-based glue for a tighter wood joint

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<tr>
<td>02133 5</td>
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<td>Size FF</td>
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Pocket-hole joinery or pocket-screw joinery is one of the best methods for joining two pieces of wood to ever come down the pike. Fixing a squeaky chair, or a wiggly table, is as easy as adding a few pocket holes and screws to pull the separating pieces together. General’s Pocket Hole Screws No. 8497 and 8498 are used specifically for this purpose and are offered in both fine and coarse thread.

**Pocket Hole Screws**
- Self-tapping
- Use a coarse thread screw in soft material (8497)
- Use a fine thread screw in hardwoods (8498)
- Nickel-plated
- Pan Head
- Size: 1-1/4"  

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<tr>
<td>08498</td>
<td>9</td>
<td>Fine Screws</td>
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**Pocket Hole Plugs**
Pocket Holes are often hidden from sight on the back surface of a face frame, under a table top, or on the back of picture frame. What do you do about unattractive pocket holes that will be visible on a finished product? Pocket hole plugs! These wood plugs, made from 100% hardwood, can make the pocket holes beautifully disappear.

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<tr>
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**E-Z™ PRO Step Drill Bit**
The E-Z Step Drill Bit is great for creating pocket hole joints or counter boring. The 3/8" bit is made of high speed steel and includes a drill stop and hex wrench for accurate setting of drill depth. This item can also be used as a replacement bit for General’s Pocket Hole Jig Kit (#849) and Deluxe Pocket Hole Jig Kit (#850).
- Replacement bit for General’s E-Z Pocket Hole Jig Kit (No. 849)
- 3/8” x 6" (9.5 x 152mm) step drill bit
- High speed steel
- Ideal for creating pocket hole joints and counter-boring
- Includes 3/8” (9.5mm) steel drill stop with hex wrench

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General's Drill Accessories are engineered to do precision work in the many specialized drilling and cutting operations required for fine carpentry and metal working.

They expand the capabilities of portable electric drills, drill presses, drill stands, bit braces and hand drills. Our Drill Accessories are built for precision and durability.

**SQUARE DRIVE BITS**

For use with General's Pocket Hole Screws. These drive bits are essential for building decks, benches, tables and other woodworking projects. General's Square Drive Bits have a hardened steel tip that assures perfect fit and lasts longer.

- #2 Square drive bits
- 3" (76mm) length
- 6" (152mm) length
- Use with deck screws

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**PLUG CUTTERS**

Whether you're building cabinets, toys, decks, furniture or railings, wooden plugs are a neat way to cover up the screw heads. Made from hardened alloy steel, General's Plug Cutters will cut a 3/8-inch plug from any wood stock and eject it, whether it's chucked in a press or hand-held drill. This is a great economical bit, perfect for homeowners.

- General's Plug Cutters produce accurate plugs for covering screw holes in decking, flooring and other woodworking projects
- Permits choice of matching or contrasting plugs for decorative effect
- Engineered to start cutting plugs easily with hand-held drills or drill press

- Cutter will produce and eject straight plugs from stock up to 3/4" thickness
- Made of hardened alloy steel

- Individual sizes:

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<tr>
<td>23030</td>
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<td>1/2&quot; dia.</td>
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<tr>
<td>23033</td>
<td>31C</td>
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<td>5/8&quot; dia.</td>
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- Set of 3 Diameters - 1/4", 3/8", 1/2":

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**ADJUSTABLE PILOT BITS**

Drill, countersink and counter-bore precision screw holes in a single operation with General's Adjustable Pilot Bit Set. Featuring four high-speed bits with adjustable lengths, this set can be a great time saver for fine carpentry and woodworking. The 1/4" hex shank allows the set to be used in both electric drills and power screwdrivers.

- Drill, countersink and counterbore precision screw holes in a single operation when doing fine carpentry and woodworking

- Hardened high-speed pilot bits give long life
- Black oxide finish deters rust
- 1/4" hex shanks prevents slippage in electric drills and can be used in power screwdrivers
- Adjustable drill and high performance angle on countersink

<table>
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</table>

31A 31B 31C
General's Circle Cutters produce precision circles in sheet metal, brass, copper, soft steel, aluminum, plastic, wood and composition materials. Bodies are constructed of heat treated tool steel for durability. The replaceable cutter blades are made of high-speed steel for precise and clean cuts. Circle Cutters are adjustable for cutting various diameter holes. A hex wrench is included for adjustments.

### 4" MAX CIRCLE CUTTER
- Round shank circle cutter
- Replaceable high-speed steel cutting blade and replaceable 1/4" pilot drill
- All adjustments are made with a hex wrench which is included
- Maximum safe speed is 500 RPM
- For use with drill press only

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21003 6</td>
<td>04</td>
<td>4&quot; Circle Cutter</td>
</tr>
<tr>
<td>27006 1</td>
<td>4</td>
<td>Replacement Drill</td>
</tr>
<tr>
<td>27003 0</td>
<td>4/5</td>
<td>Replacement Blade</td>
</tr>
</tbody>
</table>

- Capacity: 7/8" to 4"  
- Shank: 3/8" Round

### WHEEL AND CIRCLE CUTTER
- General's Wheel and Circle Cutter is the only one that cuts the exact diameter you need anywhere from 1" to 6" (26 to 152mm)
- Ideal for woodworkers, model builders, clockmakers, and hobbyists
- Produces precision circles and holes in sheet metal, brass, copper, aluminum, plastic, wood, and composition materials
- Change from circle to wheel cutting by simply reversing the double ended blade
- Sturdy round shank for use in any drill press or drill stand with 3/8" chuck
- Replaceable double ended 9/32" cutter blade is made of high-speed steel for precise clean cuts
- All adjustments are made with a hex wrench which is included
- Maximum safe speed is 500 RPM
- For use with drill press only

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21010 4</td>
<td>06</td>
<td>Circle Cutter</td>
</tr>
<tr>
<td>21014 2</td>
<td>5/6/55</td>
<td>Replacement Drill</td>
</tr>
<tr>
<td>21013 5</td>
<td>6</td>
<td>Replacement Wheel</td>
</tr>
</tbody>
</table>

- Capacity: 1" to 6"  
- Shank: 3/8" Round

### 6" MAX CIRCLE CUTTER
- Has been a General Tools customer favorite for more than 30 years
- Adjusts from 1" to 6" (26 to 152mm) diameter circles
- Replaceable high-speed steel blade and replaceable 1/4" pilot drill
- All adjustments are made with a hex wrench which is included
- Maximum safe speed is 500 RPM
- For use with drill press only

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21009 8</td>
<td>55</td>
<td>Circle Cutter</td>
</tr>
<tr>
<td>21014 2</td>
<td>5/6/55</td>
<td>Replacement Drill</td>
</tr>
<tr>
<td>27003 0</td>
<td>4/5</td>
<td>Replacement Blade</td>
</tr>
</tbody>
</table>

- Capacity: 1" to 6"  
- Shank: 3/8" Round

### HEAVY-DUTY CIRCLE CUTTER
- General's industrial quality cutter is most preferred by professionals
- 1/2" round shank for drill press use
- Replaceable high-speed tool steel blade and replaceable 1/4" pilot drill
- Markings on beam for easy measurement
- All adjustments are made with a hex wrench which is included
- Maximum safe speed is 500 RPM
- For use with drill press only

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21012 8</td>
<td>55</td>
<td>Circle Cutter</td>
</tr>
<tr>
<td>21014 2</td>
<td>5/6/55</td>
<td>Replacement Drill</td>
</tr>
<tr>
<td>27015 3</td>
<td>55</td>
<td>Replacement Blade</td>
</tr>
</tbody>
</table>

- Capacity: 1-3/4" to 7-7/8"  
- Shank: 1/2" Round

### WASHER AND GASKET CUTTER
- This tool cuts washers and gaskets in leather, rubber, cork, graphite, fiber, copper and other soft materials
- Combination round and square shank permits use with bit brace or hand drill
- Made of steel with graduated beam to adjust to diameters from 5/8" to 6-1/2" (16 to 165mm)
- Replaceable tool steel Cutter Blades No. 11B
- Two independently adjustable cutter blades cut inside and outside diameters simultaneously
- Maximum safe speed is 100 RPM
- For hand held variable speed drills only

<table>
<thead>
<tr>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>21024 1</td>
<td>11</td>
<td>Replacement blades (Pair)</td>
</tr>
<tr>
<td>27024 5</td>
<td>11B</td>
<td></td>
</tr>
</tbody>
</table>

- Capacity: 5/8" to 6-1/2" (16 to 165mm)
Pilot Bits, countersink and counterbore precision screw holes in a single operation. Self-Centering Hinge Bits drill highly accurate pilot holes in cabinet and door hinges.

Stair gages assure fast and uniform layout in repetitive work including angle cuts on rafters and stair stringers.

- The rose pattern cutting flutes assure chatter free countersinking on steel, brass, aluminum, plastic, wood & other materials
- Made of high-speed steel with five flutes
- 82° point angle
- Stepped shank for use with 1/4" and 3/8" chucks

<table>
<thead>
<tr>
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<th>NO.</th>
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<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td>23047 8</td>
<td>195-1/2</td>
<td>1/2&quot;</td>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
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<tr>
<td>23053 9</td>
<td>195-5/8</td>
<td>5/8&quot;</td>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>23050 8</td>
<td>195-3/4</td>
<td>3/4&quot;</td>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
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</tbody>
</table>

SELF-CENTERING HINGE BITS
- Highly accurate bits are used for drilling pilot holes in cabinet and door hinges, door butts and all large and small hardware

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO.</th>
<th>DRILL SIZE</th>
<th>DRILL DEPTH</th>
<th>SCREW SIZE</th>
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</thead>
<tbody>
<tr>
<td>22154 4</td>
<td>291</td>
<td>5/64&quot;</td>
<td>1/8&quot;</td>
<td>3 &amp; 4 screw size</td>
</tr>
<tr>
<td>22149 0</td>
<td>292</td>
<td>7/64&quot;</td>
<td>3/32&quot;</td>
<td>5 &amp; 6 screw size</td>
</tr>
<tr>
<td>22150 6</td>
<td>293</td>
<td>9/64&quot;</td>
<td>5/16&quot;</td>
<td>8 &amp; 10 screw size</td>
</tr>
</tbody>
</table>

JIFFY CENTERING PUNCH
- For quickly starting screw holes when attaching countersunk hardware such as hinges, hasps, hangers and drawer pulls
- Countersunk end ensures starting hole is centered in hardware screw hole
- Hardened steel pin

- Length: 2-1/2" (65mm)
- Body diameter: 3/8" (10mm)

<table>
<thead>
<tr>
<th>UPC</th>
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<tbody>
<tr>
<td>24018 7</td>
<td>806</td>
</tr>
</tbody>
</table>

STAIR GAGE SET
- Brass plated steel stair gage assures fast and uniform layout in repetitive work including angle cuts on rafters and stair stringers
- Attaches easily to all metal rafter squares
- Set of 2 pieces

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO.</th>
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<tbody>
<tr>
<td>24009 5</td>
<td>803</td>
</tr>
</tbody>
</table>
Digital Layout Tools

W O O D W O R K I N G T O O L S

General has a full range of specialized digital tools designed for measurement operations necessary in construction jobs, cabinet making and fine carpentry. Woodworkers trust the quality, accuracy and value that General Tools gives them. It's your job... General Tools make it easier.

**Digital Sliding T-Bevel**
- 2 Tools in 1 - Digital Sliding T-Bevel and Protractor
- Large digital angle readout
- Holds measurement for transfers
- Reverse Display button, Flip Display button, Locking Knob for manual measurement transfer
- 4 function control buttons
- Auto Shut off feature
- 8" Stainless Steel blade
- Impact resistant ABS handle
- Full LCD Display
- Measures and transfers angles

**Digital Precision Protractor**
The Digital Protractor displays absolute and relative angle measurements in a large, easy-to-read LCD window
- Installing crown molding, cabinetry, counters, staircases, roofs, windows or flooring
- Takes the guesswork out of measuring, marking, reading and transferring angles
- 6" (150mm) stainless steel protractor arm with knurled locking nut
- Large, easy-to-read display
- Absolute and relative measurements
- Accuracy: 0.1°
- Resolution: 0.05°
- Range: 0 to 180°
- Display can be inverted for easy reading
- Measurement hold function
- Power Source: 1 "CR2032" 3V Lithium battery (included)

**5" and 10" Digital Angle Finder Rules**
- Digital stainless steel angle rules make precise measurements for easy woodworking
- Calculates interior (inside) and exterior (outside) angles easily and accurately in seconds
- Lock and reverse angle features for all types of work
- Large easy to read LCD display
- Hinge mechanism allows a full 360 degrees to measure inside/outside and reverse angles
- Can be zeroed at any point in the swing
- Overall Length for 822: 7" Width: 1-3/8" Depth: 6/8"
- Overall Length for 823: 10-7/8" Width: 1-3/8" Depth: 6/8"

UPC NO.
00822 7 822 5" Digital Angle Finder
00823 4 823 10" Digital Angle Finder
General's newest "Fraction +" Caliper has a three mode digital display. Measuring in inches, metric and fractions it offers everything for the hobbyist to the professional.

**DIGITAL FRACTIONAL CALIPERS**
- No. 147, No. 1478, No. 14712 are heavy-duty stainless steel construction
- No. 146, No. 1433 are constructed of non-marring carbon fiber
- Convenient auto-off feature
- Three mode digital display: Decimal Inches, Fractional and Metric
- Inside, outside, depth & step measurements
- Accuracy: +/- 0.001" +/- 0.02mm
- Resolution: 0.0005", 0.01mm, 1/64"
- Power Source: 1 "SR44" battery (included)

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO.</th>
<th>RANGE</th>
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<tbody>
<tr>
<td>01433</td>
<td>7</td>
<td>1433 0 - 3&quot; (0 - 76mm)</td>
</tr>
<tr>
<td>01460</td>
<td>3</td>
<td>146 0 - 6&quot; (0 - 153mm)</td>
</tr>
<tr>
<td>01470</td>
<td>2</td>
<td>147 0 - 6&quot; (0 - 153mm)</td>
</tr>
<tr>
<td>01478</td>
<td>3</td>
<td>1478 0 - 8&quot; (0 - 203mm)</td>
</tr>
<tr>
<td>14712</td>
<td>7</td>
<td>14712 0 - 12&quot; (0 - 305mm)</td>
</tr>
</tbody>
</table>

**SINGLE BAR MARKING GAGE**
- 6" (153mm) adjustable bar is nickel plated steel graduated in 16ths
- Die-cast head
- Fine needle point for precision marking

<table>
<thead>
<tr>
<th>UPC</th>
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<tbody>
<tr>
<td>24050</td>
<td>7</td>
</tr>
</tbody>
</table>

**PROFESSIONAL CARPENTER'S COMBINATION SQUARE**
- Specially designed for carpenters and the woodworking trades
- Machined and enameled cast iron head has precision level and scriber for producing right and 45° angles
- 12" x 1" (305 x 26mm) steel blade is graduated in 8ths, 16ths, and 32nds
- Conforms to government specifications GGG-S-656C

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO.</th>
<th>FRONT</th>
<th>BACK</th>
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<tbody>
<tr>
<td>24036</td>
<td>1</td>
<td>812</td>
<td>8ths, 16ths, 16ths, 32nds</td>
</tr>
<tr>
<td>22193</td>
<td>3</td>
<td>812-CA</td>
<td>Clamp Assembly</td>
</tr>
</tbody>
</table>

**UTILITY COMBINATION SQUARE**
- Economy version of the carpenter's combination square is perfect for the do-it-yourselfer and home mechanic
- 12" x 1" (305 x 26mm) steel blade is graduated in 8ths, 16ths, and 32nds
- Heavy zinc cast head with level and scriber

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<thead>
<tr>
<th>UPC</th>
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<th>FRONT</th>
<th>BACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>24030</td>
<td>9</td>
<td>811</td>
<td>8ths, 16ths, 16ths, 32nds</td>
</tr>
</tbody>
</table>

The Combination Squares are specifically designed for carpenters, the woodworking trade, the do-it-yourselfer and home mechanics. A necessary tool for every carpenter and home workshop.
General's Contour Gages can duplicate any shape. The pins on our gage slide to conform to irregular surfaces. This tool can be used for pattern and mold making, duplicating parts and contours.

Great for fitting carpet, floor tiles and linoleum against door casings and pipes. The ANGLE-IZER™ can replace the need for making templates and can be used again and again. The Ultimate Template Tool.

### 10" Contour Gage
- Extra length is ideal for woodworking, linoleum installation, ceramic tile installation or any job where contour duplication is essential
- Gage will fit profiles up to 10” long
- Inch/mm graduations on body
- 3" (76mm) deep fingers will measure profiles up to 1-1/4" (32mm)
- Made from tough, durable plastic

**UPC NO.** 083302 833

### 6" Contour Gage
- Ideal for woodworking, linoleum installation, or any job or hobby where contour duplication is essential
- Inch graduation on body
- Stainless steel pins
- Component parts are enamel painted and brass plated
- Size is 6” x 3-1/2” (152 x 89mm) with an overall travel of 5-1/4” (133mm)

**UPC NO.** 241160 837

### THE ANGLE-IZER™
- The unique and versatile ANGLE-IZER™ The Ultimate Template Tool eliminates the need for making templates and can be used again and again
- The ANGLE-IZER™ can be set-up in seconds not only improving quality but saving time
- Just form the tool into the shape of your work area, then use it to mark your work-piece to be cut
- Repeat accurate marking for creating bullseyes, arches, repetitive angles or shapes
- Tool can be set to mark bricks, tiles, lumber and laminates
- All the arms are dual-calibrated in inches and metric measures
- Unique tightening mechanism for one-handed operations
- Fiberglass filled nylon for added strength and flexibility
- Includes FREE instructional ANGLE-IZER™ CD program

**UPC NO.** 083609 836

Patent No. Des. 402,217
General's Compasses and Layout Tools are designed for the specialized operations of measuring and layout necessary in construction jobs, cabinet-making and fine carpentry. Woodworkers trust the quality and the value that General Tools provides.

**HOBBY DRILL GAGE**
- Heavy gage stainless steel gage conveniently identifies drill bit sizes
- Etched graduations are filled in black to give high contrast and will not wear off
- Gage measures 2-3/8" x 6-3/4" (60 x 172mm) overall
- Stainless steel will not rust

**OUTSIDE, INSIDE & SLOPED ANGLE PROTRACTOR**
- Use this protractor/angle finder to measure and mark the degrees of an angle on outside, inside and sloped angles
- Fine black graduations from 0° to 165° in opposite directions
- Brass lock nut

**PROFESSIONAL QUALITY T-BEVEL**
- Our T-bevel is the tool preferred by the craftsman who wants the finest quality tools
- Solid mahogany 5-1/2" (140mm) handle with brass trim and locking wing nut
- 10" (254mm) blade
- Conforms to government specifications GGG-B-211b

**PENCIL COMPASS AND SCRIBER**
- Designed for marking contours and circles
- Positive wing nut adjustment
- Full-length hardened steel pin in metal frame for greater rigidity
- Constructed of brass plated steel

**PRECISION PENCIL COMPASS**
- Carpenter quality compass is made of long lasting die-cast rust proof metal
- Spring tension adjustment for marking up to 9" (229mm) diameters
- Scribe guide for edge marking
- For use with pencil (included) or slim ballpoint pen
General's Adjustable Trammels accurately measure and mark distances that are too great for conventional compasses and dividers. Trammels will accurately transfer measurements, scribe arcs and lay out circles. Points can be replaced with pencils, ballpoint pens, crayons or soap-stone sticks for marking various materials.

**PRECISION ADJUSTABLE TRAMMELS**
- Draw large circles and measure sizable distances with the accuracy of a divider
- Fine adjusting screw sets points accurately
- Points are removable and may be replaced with the pencil holder
- Die-cast bodies with hardened and ground 3” (76mm) needlepoint legs
- Clamp opening for beam is 3/8” x 3/4” (10 x 19mm)
- Conform to government specifications
  - GGG-T-661b

**UPC NO.**
- 23090 4 520
- 31104 7 84P Replacement points (12 per pkg.)

**ADJUSTABLE TRAMMELS**
- General's adjustable trammels accurately measure and mark distances that are too great for conventional compasses and dividers
- For layouts, marking templates, and drawing large circles
- 6” (153mm) eccentric points provide fine adjustments
- Points can be replaced with pencils, ballpoints pens, crayons, or soapstone sticks for marking various materials
- Clamps onto beam 5/8” to 1-1/2” (16 to 38mm) thick of any length

**UPC NO.**
- 23093 5 523

**PRECISION TRAMMEL SET**
- Will accurately transfer measurements, scribe arcs, and lay out circles too large for conventional compasses
- Will fit any scale, 1/2” to 1-1/8” (13 to 29mm) wide
- Two scriber points and two pencil points included
- Up to four points can be stored in body
- Free-wheeling thimble for greater precision
- Aluminum knurled body
- Steel collet holds replacement leads, scribes and crayons
- Points reverse into body for safety
- Ruler not included in set

**UPC NO.**
- 23095 9 524
General's Scratch Awl is made from the finest materials for long life. This tool is designed for scribing and layout work, starting screw holes and piercing soft materials.

The Chisel/Plane Blade Sharpener keeps blades razor sharp. The graduated settings maintain the correct 30° cutting angle necessary for these blades.

**“ORIGINAL” DRILL GRINDING ATTACHMENT**
- Engineered to permit sharpening of drill bits to factory accuracy
- Extends the life of drill bits
- Angle adjustments lock in to grind drill bits for more accurate drilling in a variety of materials
- Automatically adjusts to give correct clearance angle
- For use with ANSI, OSHA, and UL approved standard electric bench grinders or surface grinders
- Equally at home in machine shop and home workshop
- Instructions included

**HARDWOOD HANDLE SCRATCH AWL**
- Alloy steel blade runs through the handle and is securely fastened to both the plated steel ferrule and the cap
- Hardwood fluted handle is contoured for comfortable grip

<table>
<thead>
<tr>
<th>UPC</th>
<th>NO.</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>24047 7</td>
<td>818</td>
<td>6-1/2&quot; (165mm)</td>
<td>3-3/4&quot; (95mm)</td>
</tr>
</tbody>
</table>

**CHISEL/PLANE BLADE SHARPENER**
- Keeps chisel and plane blades razor sharp
- Graduated settings maintain correct 30° cutting angle on chisel or plane blade
- Spring clamp locks in blades up to 2-5/8" (67mm) wide
- Made of high impact fiberglass reinforced Lexan®
- Folds for storage

<table>
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<tr>
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<td>809</td>
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</tbody>
</table>

**FIBERGLASS FOLDING RULE**
- Constructed of tough, flexible high-impact plastic, with fiberglass reinforcement for added durability
- 72" (1929mm) folding ruler with a 6" (152mm) extension for accurate inside measurements

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>25300</td>
<td>7200</td>
<td>16ths</td>
</tr>
</tbody>
</table>

Outside readings graduated in 16ths.
Professional Moisture Meters

Whether you’re a professional contractor or a conscientious homeowner, General’s ultra-sensitive hand-held pin or pinless Moisture Meters help you to easily detect hidden leaks in wood, concrete, plaster and carpet. Available as both analog and digital models, the Meters provide accurate moisture level readings and are great for new home inspections, locating roof leaks or even selecting dry lumber at the yard.

**PIN-TYPE LED BAR GRAPH MOISTURE METER**
Ideal for use in woodworking, building construction and home inspection. Examples include:
• Checking for moisture in carpets and sub-flooring
• Checking wood, drywall and concrete before painting/wallpapering, sealing or treating
• Locating water leaks in roofs, floors and walls
• Selecting dry lumber

**FEATURES**
- 10-LED display
- Two measurement ranges: 7 to 15% and 16 to 35%
- Protective cap doubles as calibration checker
- Full and low battery indications
- CE and RoHS approved

**SPECIFICATIONS**
- Low Measurement Range: 7 to 15% (Wood Moisture Equivalent)
- High Measurement Range: 16 to 35% WME
- Measurement Accuracy: ±1 LED (~1%)
- Calibration Check Point: 21% ±1%
- Low Battery Level: <7.5V

**PIN-TYPE LCD MOISTURE METER**
Ideal for use in woodworking, building construction, home inspection, lumber selection, water-damage restoration.

**FEATURES**
- 99.9 count LCD w/0.4 in. high digits
- Wood/building materials selection switch
- Low, Medium and High moisture sounds and on-screen icons
- High accuracy and resolution
- Data hold + auto power off + low battery indicator
- Replaceable stainless steel pins (#PIND4E)
- Powered by “9V” battery (included)

**SPECIFICATIONS**
- Overall Moisture Measurement Range: 0 to 50% for wood, 1.5 to 33% for building materials
- Wood Moisture Scales: 0 to 11.9% (low); 12 to 15.9% (medium); 16 to 50% (high)
- Measurement Accuracy/Resolution: ±3%/0.1%
- Measuring Depth: 3/4 in. (20mm)
- Display Type/Size: 99.9 count LCD with 0.4 in. high digits
- Auto Power Off Trigger: 3 to 4 minutes with 0% reading
- Low/Very Low Battery Warning Triggers: <7.5V/<6.5V
- Operating Temperature: 32° to 122°F (0° to 50°C)
- Operating Relative Humidity: <80%
- Power Source: 1 “9V” battery (included)

**PINLESS NON-INVASIVE LCD MOISTURE METER**
Ideal for measuring moisture content of wood and other construction materials.

**FEATURES**
- Non-invasive measurement technique
- Jumbo display
- Wide measurement range
- Intuitive on-screen icons: Low/Medium/High moisture content; wood/concrete mode
- Hold function
- Audible peak reading alert
- Auto-calibrating
- Auto Power Off
- Low and very low battery warnings

**SPECIFICATIONS**
- Measurement Ranges: 0 to 99.9% WME (Wood Moisture Equivalent) for wood; 0 to 56.5% for building materials
- Measurement Accuracy/Resolution: ±3%/0.1%
- Measuring Depth: 3/4 in. (20mm)
- Display Type/Size: 99.9 count LCD with 0.4 in. high digits
- Auto Power Off Trigger: 3 to 4 minutes with 0% reading
- Low/Very Low Battery Warning Triggers: <7.5V/<6.5V
- Operating Temperature: 32° to 122°F (0° to 50°C)
- Operating Relative Humidity: <80%
- Power Source: 1 “9V” battery (included)

**UPC NO.**
- MMD5NP
- 401422
DIGITAL & LED MOISTURE METER

Use to measure moisture content in wood, timber and concrete.

FEATURES
- Two displays: Red LED bar graph and LCD display with 0.62 in. (51mm) high digits
- Optional remote probe available
- Replaceable 0.44 in. (11mm) long pins
- Min/Max memory + data hold
- Data Hold feature freezes displayed reading
- Heavy-duty housing
- Built-in low battery indicator
- Dimensions: 8.4 x 2.7 x 1.2 in. (216.5 x 68.5 x 29.7mm)
- Weight: 8.8 oz. (251g)

SPECIFICATIONS
- 1% Accuracy
- 5.5% to 99.9% measurement range with
- Stores/recalls up to 99 readings + Min/Max
- Ergonomic design, comfortable and durable
- Convertible to non-invasive measuring by adding optional MP7002 probe
- Audible alarm when preset exceeded
- Additional set of long pins 0.9 in. (23mm) included
- CE and RoHS approved

PIN-TYPE LED BAR GRAPH MOISTURE METER W/REMOTE PIN-TYPE PROBE

Precision instrument for accurate moisture reading in wood and timber.

FEATURES
- 1% Accuracy
- Multi-color LED bar graph readout
- 5.5 to 99.9% measurement range with 0 to 1 VDC output
- Protective cap for safe carrying and operation
- Auto temperature compensation and calibration adjustment
- Stores/recalls up to 99 readings + Min/Max
- Ergonomic design, comfortable and durable
- Convertible to non-invasive measuring by adding optional MP7002 probe
- Audible alarm when preset exceeded
- Audible and visual low battery warning
- Additional set of long pins 0.9 in. (23mm) included
- CE and RoHS approved

SPECIFICATIONS
- Two measurement ranges: 0 to 100% for concrete and non-wood materials, 6 to 40% moisture for wood
- Measurement Accuracy:
  ± (5% of reading + 5 digits)
- Power Source: 1 "9V" battery (not included)
- Includes: Extra pins • Protective cover
- User’s manual

PIN-TYPE LCD MOISTURE METER W/ REMOTE PIN-TYPE PROBE

Precision digital instrument for making accurate moisture measurements in wood and timber.

FEATURES
- 1% Accuracy
- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display-window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% measurement range with 0 to 1 VDC output
- Stores/recalls up to 99 readings + Min/Max
- Auto temperature compensation and internal calibration
- Auto power off
- Ergonomic design, comfortable and durable
- Audible and visual low battery warning
- Interchangeable extension probe
- Additional set of long pins 0.9 in. (23mm) included
- CE and RoHS approved

SPECIFICATIONS
- Measuring Range: 5.5 to 99.9% H₂O % WME
- Accuracy (at 25°C): ±1% Wood Scale
- Indicator: LED bar graph
- Color Codes: Green (<16%)
  Yellow/Red (>21%)
- Signal Output: 0 to 1 VDC (10mV/%WME)
- Calibration: Built-in calibration adjustment
- Battery: About 250 hours of continued use with backlight off
- Operating Temperature: -4° to 131°F (-20° to 55°C) @ < 80% RH
- Dimensions: 6.0 x 2.2 x 1.26 in. (153 x 56 x 32mm)
- Weight: 5.5 oz. (155g) including battery

Includes:
- 1 MM70 Meter with 0.5 in. (12.7mm) pins
- 1 MP7021 External Pin-Type Probe 39 in. (1m) long with 0.5 in. (12.7mm) pins
- Additional Set of Interchangeable Long Pins 0.9 in. (23mm)
- Protective Fabric Carrying Case
- Battery
- User’s manual

UPC NO.
07003 1 MMD7003
01255 0 MP7003 External Pin-Type Probe (optional)

UPC NO.
07070 3 MP7022 External Roller-Type Probe 39 in. (1 meter) long (optional)
“Man is a tool using animal. Weak in himself and of small stature, he stands on a basis of some half-square-foot, and has to straddle out his legs lest the very winds supplant him. Nevertheless, he can use tools, can devise tools; with these the granite mountains melt into light dust before him; seas are his smooth highways, winds and fire his unwearying steeds, Nowhere do you find him without tools. Without tools he is nothing, but with tools he is all.”

Thomas Carlyle (1795–1881)

“It’s Your Job . . . General Tools Make It Easier”