The **EASTWOOD 42" BELT & 6" DISC SANDER** is designed for rugged reliability and ease of use. The positionable belt drive assembly provides a full 85° of adjustment from horizontal to vertical and features a secure stop fence/tool rest for safety and convenience. The 6" disc sander features an angle-adjustable work surface and sliding miter gauge/fence to allow grinding to precise angles with one convenient bench mounted tool.

**CONTENTS**

- (1) Belt/Disc Sander
- (1) Abrasive Belt (installed)
- (1) Abrasive Disc
- (1) Belt Table
- (1) Small Belt Table
- (1) Disc Table
- (1) Miter Gauge Assembly
- (2) M6 x 1.00 Threaded Knobs
- (2) M6 Washers
- (1) M10 x 1.5 Socket Head Cap Screw.
- (1) M10 Washer
- (1) Eastwood Instruction Manual
- (1) 8mm/19mm Combination Flat Wrench
- (1) 5mm Hex Key
- (1) 6mm Hex Key
- (1) 8mm Hex Key

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>120 VAC, 60 Hz</td>
</tr>
<tr>
<td>Motor Size</td>
<td>1/2 HP</td>
</tr>
<tr>
<td>Plug Type</td>
<td>NEMA 5-15P</td>
</tr>
<tr>
<td>Cord Length</td>
<td>6' [1.8m]</td>
</tr>
<tr>
<td>Free Speed</td>
<td>3590 RPM</td>
</tr>
<tr>
<td>Belt Speed</td>
<td>4130 FPM</td>
</tr>
<tr>
<td>Belt Size</td>
<td>2&quot; x 42&quot;</td>
</tr>
<tr>
<td>Disc Size</td>
<td>6&quot; Adhesive Backed</td>
</tr>
</tbody>
</table>

**SAFETY INFORMATION**

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠️ **DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠️ **WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠️ **CAUTION**

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠️ **NOTICE**

NOTICE is used to address practices not related to personal injury.
GENERAL SAFETY RULES

WARNING

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) ELECTRICAL SAFETY

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

2) PERSONAL SAFETY

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

3) POWER TOOL USE AND CARE

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
ADDITIONAL SAFETY INFORMATION

⚠ READ INSTRUCTIONS

• Thoroughly read and understand these product instructions before using the Sander.
• Keep these product instructions for future reference.

⚠ WARNING  HEALTH HAZARD!

• Dust and fine particles are generated while sanding or grinding which can contain hazardous or toxic substances. Breathing this dust can cause serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Sander.
• This Sander will eject particles, dust and sparks at high velocity during operation. Wear approved eye and skin protection at all times while operating.
• Sanding or grinding with this Sander can generate excessive noise. Wear appropriate hearing protection while using.

⚠ WARNING  INJURY HAZARD!

• The moving Belt or rotating Disc of this Sander can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away when operating Sander.
• This Sander can quickly start up when handling while plugged in to electrical supply causing serious personal injury. Always unplug the tool from the electrical supply before changing Sandpaper, making adjustments to the tool or performing maintenance.
• Moving abrasive surfaces can quickly abrade skin. Keep hands and fingers away from moving abrasives.
• This Sander can quickly and violently propel workpiece objects while operating causing injury and or property damage. Do not apply excessive force to Sander while in use. Always make sure the workpiece or material being cut is held securely and work is done only on the left side of the Disc.
• If excessive vibration is felt, discontinue use immediately and disconnect tool from electrical supply. Inspect abrasive Platen or components for damage. Do not resume use until resolution is found.

⚠ CAUTION  FIRE HAZARD!

• This Sander will eject a trail of sparks at high speed which can ignite flammable materials or injure others nearby. Do not operate in the vicinity of flammable materials and keep all persons and pets away from the work area.
ASSEMBLY

- Attach the selected Belt Table/Work Stop to the Belt Sander assembly with the included 8mm Socket Head Cap Screw and Washer (FIG 1). Keep the bottom edge of the Table/Stop approx. 0.063" [1.5mm] from the belt and tighten screw securely (FIG 2). NOTE: Table/Stop should not contact sanding belt. Check for contact with belt and re-adjust if necessary.

- Attach the Adjustable Disc Table/Miter Plate to the Disc housing by screwing the two M6 threaded knobs and M6 washers into the housing, one on each side. NOTE: Disc Table/Miter Plate should not contact sanding disc. Check for contact with disc and re-adjust if necessary (FIG 3).

SET-UP

- Using suitable lag bolts or through bolts and nuts (not included), securely bolt the housing flanges to a secure work surface to prevent tool movement while in use.

- The Belt Sander position is adjustable from horizontal to 90° vertical. To do so:

- Loosen 6mm socket head cap screw on Belt Sander Pivot Clamp with included 6mm wrench, choose your preferred working position for the Belt Sander, then tighten screw securely locking it in position (FIG. 4). NOTE: Be certain the Belt Sander assembly is securely clamped. Severe personal injury could occur if Belt Sander Assembly position slips during use.
OPERATION

- Plug power cord into a 120 VAC outlet and move power switch up to the “ON” position.
- When using the Belt Sanding feature, allow your workpiece to gently rest against the Belt Table/Work Stop and move it from side to side as the belt is moving (FIG 5).

**CAUTION**

DO NOT keep the workpiece in one place while sanding and DO NOT push the workpiece into the belt with excessive force as this will overheat the belt causing premature wear, failure and possibly personal injury.

**WARNING**

The Disc rotates in a Clockwise direction when viewed from the front. Always sand or grind using only the RIGHT SIDE of the Disc (FIG 6). Working from the left side can cause objects to be suddenly and violently ejected outward causing severe personal injury and/or property damage.

- When using the Disc Sanding feature, allow your workpiece to gently rest on the Adjustable Disc Table/Miter Plate and gently apply it to the disc as it is rotating, do not force it into the disc (FIG 6).
- The Adjustable Disc Table angle is adjustable vertically from 0° to 45° and the Miter Plate Fence is angle adjustable horizontally through a full 120° to allow precise angle grinding of tool surfaces.

**WARNING**

Unplug tool before beginning belt replacement or severe personal injury could result if motor should start during this procedure. Always use an Eastwood approved 2” x 42” sanding belt to insure safe operation.

**ABRASIVE BELT REMOVAL**

1. Unscrew the two knobs on the plastic Belt Cover and remove the cover (FIG 7).
2. Remove the Lower Guard by removing the retaining screw with a Phillips head screwdriver (FIG 8).
3. Release tension on the belt by rotating the Belt Tension Release Arm.
4. Remove the belt from the rollers (FIG 9).
ABRASIVE BELT INSTALLATION

1. Install the belt onto the belt rollers.
2. Rotate the Belt Tension Release Arm, reapplying tension to the belt.
3. Install the Lower Guard.
4. Place the Belt cover over the belt and tracks and screw the two knobs tight (FIG 10).
5. Install the Belt Table.

DISC REPLACEMENT

**WARNING**
Unplug tool before beginning disc replacement or severe personal injury could result if motor should start during this procedure. Always use an Eastwood approved 6” PSA sanding disc to insure safe operation.

1. Remove the Adjustable Disc Table/Miter Plate by loosening and removing the two knobs, one on each side (FIG 11).
2. Remove the Dust Chute by removing the retaining screw with a Phillips head screwdriver (FIG 12).
3. Peel away the worn sanding disc from the backing plate.
4. Clean any adhesive residue, grit or dirt from the backing disc.
5. Peel backing paper from the new sanding disc, center over the backing disc and press into place. Be sure all surfaces of disc are adhering, and no bubbles or wrinkles are present (FIG 13).

MAINTENANCE

**IMPORTANT NOTE:** The following maintenance should be performed before each use:

**WARNING**
Unplug tool before beginning disc replacement or severe personal injury could result if motor should start during this procedure.

- Check tightness of all hardware.
- Check operation and alignment of the Belt, Disc and Tables.
- Inspect Abrasive Belt and Disc for tears, damage or premature wear.
- Clean dirt and debris from Sander motor air cooling slots, Belt and Disc.
TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does Not Run When Switch is Depressed</td>
<td>No electrical power to Sander</td>
<td>Check 120 VAC input plug connection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for tripped circuit breaker</td>
</tr>
<tr>
<td>Motor Runs Too Slow/Develops Low Power</td>
<td>Undersized or too long of an extension cord</td>
<td>Use only 18 gauge or larger cord.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Limit length to 25’.</td>
</tr>
<tr>
<td>Excessive Noise and/or Vibration</td>
<td>Abrasive Belt/Disc is damaged</td>
<td><strong>WARNING:</strong> This is an extremely dangerous condition! Stop Use and replace Abrasive Belt!</td>
</tr>
<tr>
<td>Motor Overheats</td>
<td>Excessive pressure being applied to Abrasive Belt/Disc</td>
<td>Allow Abrasive Belt/Disc to cut by contact alone. Do Not Force.</td>
</tr>
</tbody>
</table>

ADDITIONAL ITEMS

| #15144 | 40 Grit, 6” PSA Abrasive Discs, 6-PK |
| #15145 | 80 Grit, 6” PSA Abrasive Discs, 6-PK |
| #15146 | 120 Grit, 6” PSA Abrasive Discs, 6-PK |
| #15147 | 180 Grit, 6” PSA Abrasive Discs, 6-PK |

If you have any questions about the use of this product, please contact
The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: tech@eastwood.com
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The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA 800.343.9353 eastwood.com
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