## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor power</th>
<th>Major table size</th>
<th>Extension table (Cast Iron)</th>
<th>Extension table (Steel Plate)</th>
<th>Sliding panel size</th>
<th>Cross-cut fence size</th>
<th>Main blade size</th>
<th>Scoring blade speed</th>
<th>Max cut depth</th>
<th>Max distance blade to rip fence</th>
<th>Sliding panel stroke</th>
<th>Max cross cut width</th>
<th>Packing size</th>
<th>Weight (lbs. W.G.)</th>
<th>Noise level (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS12</td>
<td>230V~50Hz/2200W</td>
<td>400V, 3~50 Hz/3800W</td>
<td>1200x2200 mm</td>
<td>680x960 mm</td>
<td>1200x2200 mm</td>
<td>204x35x4x3 mm</td>
<td>1220 mm</td>
<td>5800 rpm</td>
<td>140 mm</td>
<td>1220 mm</td>
<td>865x700x1040 mm</td>
<td>1610x320x245 mm</td>
<td>247x297 kg</td>
<td>85 dBA</td>
<td></td>
</tr>
<tr>
<td>PS10</td>
<td>240V/50Hz/2200W</td>
<td>415V/3~50 Hz/3800W</td>
<td>1200x2200 mm</td>
<td>680x960 mm</td>
<td>1200x2200 mm</td>
<td>204x35x4x3 mm</td>
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</table>

**NOTE:** The above specifications and the constructions were current at the time this manual was published, but because of our policy of continuous improvement, we reserve the right to change specifications and the constructions without notice without providing any obligation.
SAFETY

**WARNING**

- **Safety Information for Power Tools**

Before operating this equipment, read the instruction manual, and follow all safety guidelines. If you are not familiar with the equipment, avoid using it until you have read and understood the manual.

**CAUTION**

- **Properly Ground Equipment**

Ensure that the power tool is properly grounded to prevent electric shock. Never use the power tool without a ground connection.

**Note**

- **Use Only the Correct Tool**

Use the appropriate tool for the job. Using the wrong tool can result in incorrect operation or damage to the tool.

- **Keep Your Hands and Body Clear**

Keep all hands and body parts away from the cutting area. Always wear protective clothing and gear.

- **Do Not Overreach**

Always hold the tool firmly with both hands when operating. Overreach can lead to loss of control.

- **Secure Work Area**

Ensure the work area is clear of obstructions and debris. This prevents accidents and ensures a safe working environment.

- **Keep Children Away**

Children and pets should be kept away from the work area to prevent accidents.

- **Use Proper Personal Protective Equipment**

Always wear the appropriate personal protective equipment while operating the tool. This includes safety glasses, ear protection, and a hard hat.

- **Ensure Proper Placement**

Always place the tool on a stable and level surface. Improper placement can lead to accidents.

- **Do Not Use While Under the Influence**

Do not operate the tool while under the influence of alcohol or drugs. This can impair judgment and reduce situational awareness.

**Important**

- **Always Turn Off Power Before Maintenance**

Before performing any maintenance or adjustments, turn off the power source to ensure safety.

- **Inspect Regularly**

Regularly inspect the tool for any signs of damage or wear. This helps prevent accidents and extends the lifespan of the tool.

**Preventative Maintenance**

- **Clean the Tool**

Regularly clean the tool to prevent buildup of dust and debris, which can affect performance and safety.

- **Keep the Tool Sharp**

A dull tool can be more dangerous than a sharp one. Keep the tool sharp to ensure safe operation.

- **Use the Tool for the Right Application**

Use the tool for its intended purpose. Using the tool for tasks it was not designed for can result in damage to the tool and increased safety risks.

- **Follow all Safety Guidelines**

Always follow the manufacturer's safety guidelines and warnings. These are designed to prevent accidents and ensure safe operation.

- **Use Proper Power Source**

Use the tool only with a power source that is compatible with the tool. Using an incorrect power source can result in damage to the tool and increased safety risks.

**Conclusion**

Understanding and following these safety guidelines is crucial for operating this equipment safely and effectively. Always prioritize safety in all tasks involving power tools.
higher.my concern
are overproduction of incident, serious personal
injuries and poor safety precautions that can lead to
serious accidents and injuries. Never ignore the
possibility of injury and neglect to follow the
safety procedures. Let's make the most
of the safety measures that are in place.

1. WARNING

2. WARNING

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22. WARNING

Additional Safety Instructions for Panel
Warning:

Maximum safe speed of Zone 0 equipment is 20 m/s. Equipment must be positioned to avoid any injury to personnel. Zone 0 equipment must be suitably protected and mounted to provide adequate ventilation and separate structural supports in the event of fire.

Duct Collector

- Choose the correct location to avoid any injury to personnel.

Lighting and Outlets

- Ensure that lighting and outlets are located as required to avoid any injury to personnel.

Site Considerations

- Ensure that all equipment is properly installed and maintained to avoid any injury to personnel.

Residual current limit of 0.03A.

General Condition:

- Ensure that all equipment is properly installed and maintained to avoid any injury to personnel.
Clean Up

The unpainted surfaces are coated with a light oil to protect them from corrosion during shipment. Remove this protective coating with a solvent or citrus-based degreaser. Clean thoroughly, some parts may need to be soaked in solvent or boiling water or an ultrasonic cleaner.

Do not use gasoline or other petroleum-based solvents to clean with. They have low flash points which make them extremely flammable. A risk of explosion and burning exists if these products are used.

Caution!

Many of the solvents commonly used to clean machinery can be toxic when inhaled or ingested. Always work in a well ventilated area. If personal contact with solvents occurs, wash skin thoroughly with soap and water. If solvents are ingested, flush mouth and throat with water. Call a poison control center or a doctor immediately. Do not induce vomiting.

UNPACKING

The Sliding Panel Saw is shipped from the manufacturer in a carefully packed crate. If you discover the machine is damaged after you have unpacked it, please call Customer Service immediately for advice. When you are completely satisfied with the condition of your shipment, you should inventory the parts.

The Sliding Panel Saw is a heavy machine. DO NOT over-exert yourself while unpacking or moving your machine. Assistance and proper power equipment is necessary to prevent injury. If safe moving methods are not followed, injury may occur.

Caution!

Some metal parts may have sharp edges on them after they are formed. Please examine them all before handling. Failure to do so could result in injury.

After all the parts have been removed from the carton, you should have:

Main crate:
- Cast Iron extension table
- Swing arm assembly (inside main saw unit)
- Rip fence
- Rip Fence Roll
- Rip Fencing Rail
- Rip Fencing Roll
- Rip Fencing Sliding Table
- Rip Fencing Support Arm
- Crosscut Fence
- Flip Stop

Rail crate:
- Arbor pin
- Arbor wrench
- Pull (4/5/6 mm "L") wrench
- 13-15 mm open head wrench

Piece Inventory:
- Bladed guard cut
- Dust port
- Front dust port
- Milling stone
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ASSEMBLY
Moving & Placing Saw Base Unit

1. Attach the cast iron extension table to major table with 4-M8 x 20 mm hex head screws/washers.

2. Center the extension table over the edges and tap it. Check the surface alignment.

3. Tighten 4 screws with 13 mm open head wrench.

ATTACH THE CAST IRON EXTENSION TABLE TO CAST IRON EXTENSION TABLE. Align and tighten them as: "INSTALL THE CAST IRON EXTENSION TABLE".

WARNING!
The Sliding Panel Saw is a heavy machine. Serious personal injury may occur.

Use lifting straps with a minimum of 500 kg lifting capacity. If the lifting strap breaks, serious personal injury may occur.

1. Remove the top of crate and position the forklift forks together and directly above the saw.

2. Place lifting straps over the fork lift forks and attach the lifting rings on the screws.

3. Insert a wood block for protecting the main switch.

4. Before lowering the saw into position, place four rubber blocks under the frame.

5. Lower the saw on the floor.

INSTALL THE EXTENSION TABLE
Take out the cast iron extension table, steel plate extension table and rear extension table from the Saw Base Unit crate.

WARNING!
The cast iron extension table is heavy. Be sure that you will need assistance.
Install the rip fence rail

1. Place 5 M8 x 25 square head screws, washers and hex nuts on the rip fence rail. Slide the rail over the nuts and tighten them to secure the rip fence rail.

2. Adjust the rip fence rail to fit the saw table and tighten the nuts to ensure a snug fit.

Install the support leg

1. Attach the support leg to the steel plate extension table with 2 M8 x 20 hex head screws and washers.

2. Align the support leg with the saw table and secure it with the hex head screws.

Install the rear extension table

1. Attach the rear extension table to the rear portion of the saw table with 2 M8 x 20 hex head screws and washers.

2. Adjust the position of the rear extension table to fit the saw table and secure it with the hex head screws.

Install the main blade elevation & angle handwheel

1. Mount the main blade elevation & angle handwheel onto the saw table with a M8 x 16 hex head screw.

2. Adjust the angle handwheel to the desired elevation and tightens it with the hex head screw.

3. Mount the rear extension table 0.5mm lower than the major table.

4. Attach the rear extension rail onto the cast iron and steel plate extension tables with 4 M8 x 25 square head screws, washers and nuts, tightening them.
Install the sliding panel assembly:

1. Place the cross-handle support (a) onto the swing fence carrier.
2. Place 2 sets of side-type screws as fig. 12 show.
3. Tighten two screw-type screws.
4. Install the support lug to the swing fence carrier.

Install the swing arm assembly:

1. Place a nickel knurled head screw to mount the swing arm.
2. Pull the sliding panel assembly onto the sliding panel supports, and lay two screw-type screws as fig. 13 show.
3. Set the slotted screw (B) onto the lower end of the swing fence carrier (see above fig. 14).

Install the sliding panel assembly:

1. Place the cross-handle support (a) onto the swing fence carrier.
2. Slide the rip fence onto the main blade.
3. Move the bladeitle to 0° (blade set to table), and release the rip fence as the way.
4. Put the profile of the rip fence carrier into the opposite.
Install the hold down/release gauge on the top rear of fence. Slide the hold down/release gauge onto the fence to hold it in place.

2. Align the hold down/release gauge on the hold down/release gauge on the fence. Slide the hold down/release gauge onto the fence to hold it in place.

3. Align the hold down/release gauge on the hold down/release gauge on the fence. Slide the hold down/release gauge onto the fence to hold it in place.

4. Adjust the hold down/release gauge to adjust the hold down/release gauge to adjust the hold down/release gauge.

5. Install the hold down/release gauge on the hold down/release gauge on the fence. Slide the hold down/release gauge onto the fence to hold it in place.

6. Install the hold down/release gauge on the hold down/release gauge on the fence. Slide the hold down/release gauge onto the fence to hold it in place.
To install the dust hose support:

1. Install dust hoses at the rear portion of the hose.
2. Pull the two dust hose clips to keep the hose clamp.
3. Install the dust hose to main dust port with 4" hose.

Install the blade guard:

1. Install the 2" dust hose onto the blade guard with 2" screws washers and nuts (inside stand).
2. Place the dust port onto the bottom of rear panel.
3. Install the 2" dust hose guard with M6x12 screws hex head.

Seal the hose extension tube with 2" M6x12 hex head screws washers and nuts under the blade.
To replace scaring blade:

1. Remove the blade guard from the driving knife.
2. Remove the blade guide from the driving knife.
3. Remove the blade from the driving knife.
4. Remove the blade nut.
5. Remove the blade from the driving knife.
6. Place the blade guide on the driving knife.
7. Place the blade on the driving knife.
8. Place the blade nut on the driving knife.
9. Place the blade guard on the driving knife.
10. Replace the blade guide on the driving knife.
11. Insert the new blade guard into the slot in the driving knife.
12. Insert the new blade into the slot in the driving knife.
13. Insert the blade nut into the slot in the driving knife.
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150. Insert the blade into the slot in the driving knife.
151. Insert the blade nut into the slot in the driving knife.
152. Insert the blade guide into the slot in the driving knife.
153. Insert the blade into the slot in the driving knife.
154. Insert the blade nut into the slot in the driving knife.
155. Insert the blade guide into the slot in the driving knife.
156. Insert the blade into the slot in the driving knife.
157. Insert the blade nut into the slot in the driving knife.
158. Insert the blade guide into the slot in the driving knife.
159. Insert the blade into the slot in the driving knife.
160. Insert the blade nut into the slot in the driving knife.
161. Insert the blade guide into the slot in the driving knife.
162. Insert the blade into the slot in the driving knife.
163. Insert the blade nut into the slot in the driving knife.
164. Insert the blade guide into the slot in the driving knife.
165. Insert the blade into the slot in the driving knife.
166. Insert the blade nut into the slot in the driving knife.
167. Insert the blade guide into the slot in the driving knife.
168. Insert the blade into the slot in the driving knife.
169. Insert the blade nut into the slot in the driving knife.
170. Insert the blade guide into the slot in the driving knife.
171. Insert the blade into the slot in the driving knife.
172. Insert the blade nut into the slot in the driving knife.
173. Insert the blade guide into the slot in the driving knife.
174. Insert the blade into the slot in the driving knife.
175. Insert the blade nut into the slot in the driving knife.
176. Insert the blade guide into the slot in the driving knife.
177. Insert the blade into the slot in the driving knife.
178. Insert the blade nut into the slot in the driving knife.
179. Insert the blade guide into the slot in the driving knife.
Replace the main belt.

3. Remove the blade guide from the knife guide to

2. Move the sliding panel all the way to the right

1. Move the blade til to 0 (blade 90 to 120) on the

Warning

1. Disconnect the saw from the power source.

Replace and adjust the knife.

Caution

1. Connect the mounting plate to the mounting plate and

2. Remove the mounting plate from the knife guide to

3. Move the blade til to 0 (blade 90 to 120) on the

4. Remove the blade guide from the knife guide to

5. Remove the main blade.

6. Remove the 4 Allen screws from the top and bottom

7. Loosen motor mount and remove the lock nut.

8. Remove the V-belt.

Note: To remove lower 2 M16x1.5 Allen screws, the

The miter gauge is secured with different blade sizes.

Just pull the cord away from the knife.

The main blade.

From the rear, cut the blade from the main blade.

The control cover is mounted in a horizontal

contour belt without completely horizontal.

Insert the control knife guide

To remove the mounting plate.

To remove the blade guide from the knife guide to

moving knife.

internal blade guard that covers the blades and

remove two M16x1.5 Allen screws to expose the

Return the two M16x1.5 Allen screws to expose the

From the rear, cut the blade from the main blade.

The main blade.

From the rear, cut the blade from the main blade.

The control cover is mounted in a horizontal

contour belt without completely horizontal.

Insert the control knife guide

To remove the blade guide from the knife guide to

moving knife.

internal blade guard that covers the blades and

remove two M16x1.5 Allen screws to expose the

Return the two M16x1.5 Allen screws to expose the

From the rear, cut the blade from the main blade.

The main blade.

From the rear, cut the blade from the main blade.

The control cover is mounted in a horizontal

contour belt without completely horizontal.

Insert the control knife guide

To remove the blade guide from the knife guide to

moving knife.

internal blade guard that covers the blades and

remove two M16x1.5 Allen screws to expose the

Return the two M16x1.5 Allen screws to expose the

From the rear, cut the blade from the main blade.

The main blade.

From the rear, cut the blade from the main blade.

The control cover is mounted in a horizontal

contour belt without completely horizontal.

Insert the control knife guide

To remove the blade guide from the knife guide to

moving knife.
1. Set the blade to 0, on the control panel (9) with the blade.

2. Adjust the sliding panel parallel with the main blade.

3. With the assistance of another person, re-tighten the screw (6), position on the left.

4. Re-tighten the blade and replace new bolt.

5. Re-mount the right panel.

6. Reconnect the saw from the power source.

7. Warning:

Replace the scoring belt.

*Warning*

Replace the scoring belt.

Step 2:

1. Move the other end of the sliding panel in front of the blade and measure the gap.

2. Repeat steps 1, until the gap is the same on both sides, then the sliding panel is ready parallel with the main blade.

3. Loosen the two hex head screws (c) and high terp.

4. Move the end of the sliding panel that needs to be adjusted with the hex head screws (c) and high terp.

5. Move the other end of the sliding panel in front of the blade.

6. Move the end of the sliding panel that needs to be adjusted with the hex head screws (c) and high terp.

7. Repeat steps 6, until the gap is the same on both sides, then the sliding panel is ready parallel with the main blade.

*Warning*

Replace the scoring belt.

*Warning*
3. Install the crosscut fence in the guide pin holes and lock it in place with the miter nut.

Note: First, drop the crosscut fence into the forward guide pin hole, turn the "lock" plug to align the fence, then tighten the miter nut.

4. Slide the crosscut fence out of the way.

5. Mount the hold down arm onto the table saw.

6. Position the rip fence to the desired width-of-cut.

7. Once all the necessary safety precautions have been taken, perform the cutting operation.

Rip Cutting using the traditional table saw technique:

1. Slide the crosscut fence out of the way.

2. Position the rip fence to the desired width-of-cut.

3. Mount the hold down arm onto the table saw.

4. Once all the necessary safety precautions have been taken, perform the cutting operation.

Crosscutting:

With the crosscut fence mounted in the forward position, the sliding panel saw has the capability of crosscutting full size panels.

This machine also has the capability of crosscutting smaller panels.

OPERATIONS

Rip Cutting:

The sliding panel saw has the capability of rip cutting full size panels. The sliding panel removes the burden of sliding a large and heavy panel over a stationary table surface.

This saw also has the capability of rip cutting smaller boards, using the machine as a traditional table saw. Smaller, lighter boards are easier to slide across the stationary cast iron table surface to the right of the saw blade.

Determine which cutting operation will be best suited for the workpiece to be ripped.

To use the sliding table saw, the instructions titled "Rip Cutting with the Sliding Panel" must be followed. To use the machine as a traditional table saw, skip ahead to "Rip Cutting using the Traditional Table Saw Technique."

1. Mount the crosscut fence to the sliding panel.

2. Slide and secure the crosscut fence to the panel of the sliding panel saw.
4. Load the workpiece onto the table saw.

5. Mount the hold down onto the sled and lock the workpiece.

6. Once all the necessary safety precautions have been taken, perform the cutting operation.  Insert the crosscut saw into the table saw.

5. Mount the hold down onto the table saw.

4. Load the workpiece onto the table saw.

3. Set either rip stops to the desired width-of-cut.

Note: If the workpiece extends to the left of the saw blade, move the rip stops to the nearest stop with the saw blade.

Note: If the workpiece extends to the right of the saw blade, move the rip stops to the nearest stop with the saw blade.

2. Mount the crosscut fence to the sliding panel.

1. Mount the crosscut fence to the sliding panel.

Crosscutting using the rip fence as a cut-off gauge:

Three of all the necessary safety precautions have been taken.  Load the workpiece onto the table saw.  Secure it in place.

1. Mount the hold down onto the sliding panel.

5. Mount the hold down onto the table saw.

4. Load the workpiece onto the table saw.

6. Once all the necessary safety precautions have been taken, perform the cutting operation.

Crosscutting using the hold down:

1. Mount the hold down onto the table saw.

4. Load the workpiece onto the table saw.

5. Mount the hold down onto the table saw.

4. Load the workpiece onto the table saw.

Rip fence needs to be extended.

3. Set either rip stops to the desired width-of-cut.

Note: If the workpiece extends to the right of the saw blade, move the rip stops to the nearest stop with the saw blade.

Note: If the workpiece extends to the left of the saw blade, move the rip stops to the nearest stop with the saw blade.

2. Mount the crosscut fence to the sliding panel.

1. Mount the crosscut fence to the sliding panel.

Crosscutting with the rip fence as a cut-off gauge:

Three of all the necessary safety precautions have been taken.  Load the workpiece onto the table saw.  Secure it in place.

1. Mount the hold down onto the sliding panel.

5. Mount the hold down onto the table saw.

4. Load the workpiece onto the table saw.

6. Once all the necessary safety precautions have been taken, perform the cutting operation.
Miter Cutting

The crosscut table built two scales for forward and rear maintenance to perform miter cut.

Note: If the workpiece extends to the left of the saw blade, refer to Fig. 41 for sheet metal cutting.

4. Load the workpiece onto the table saw.

5. Mount the hold-down arm onto the stud and lock the workpiece in place.

6. Once all the necessary safety precautions have been taken, perform the cutting operation.

To perform a miter cut using the hold-down miter gauge:

1. Mount the hold-down miter gauge onto the sliding panel and fit a cut fence.

2. Position the hold-down miter gauge at the desired angle of the miter fence.

3. Load the workpiece with clamp. Secure the workpiece with the ratchet lever to lock the miter gauge in position.

4. Once all the necessary safety precautions have been taken, perform the cutting operation.

Lastly, this machine has the capacity of miter cutting workpiece using the miter gauge.

To perform a miter cut using the crosscut fence:

1. Mount the crosscut fence onto the crosscut table.

2. Position the crosscut fence at the desired angle and the ratchet lever to lock the crosscut fence in position.

3. Position the flip stop according to the length of the workpiece you want to cut off to the left of the blade.
**Thermo Cut-out**

The Thermo cut-out will trip to normal automatically once the temperature goes down. The thermal cut-out will reset in the event that the temperature goes above the set point. If the temperature goes above the set point, the unit will shut down and indicate an error. To reset the cut-out, turn the unit off and then on again.

**Limit Switch**

The limit switch is responsible for stopping the machine if it detects an error condition. The limit switch is located on the machine and is activated when the machine reaches a specific position.

**Main Switch**

The main switch is used to turn the machine on and off. It is typically located on the side of the machine.

**Electrical**

The electrical system of the machine includes the control panel, wiring, and connections. It is important to ensure that all electrical connections are secure and that the control panel is functioning properly.

**Bearings**

The bearings of the machine should be checked regularly to ensure they are in good condition. Bearings that are worn or damaged can cause the machine to run inefficiently or not at all.

**V-Belts**

V-belts are used to transmit power from the motor to the machine. They should be checked regularly for wear and damage.

**Miscellaneous**

- **V-Belt Guard:** Ensure the guard is in place to protect operators from the belt and pulleys.
- **Motor:** Ensure the motor is functioning properly.
- **Wiring:** Ensure all wiring is secure and in good condition.
- **Switches:** Ensure all switches are functioning properly.

**Maintenance**

- **Weekly:**
  - Clean the machine and remove any debris.
  - Check the motor and wiring for any signs of wear.
  - Check the belts and pulleys for any signs of wear.

- **Monthly:**
  - Check the refrigeration system for any leaks or issues.
  - Check the cooling system for any signs of contamination.

- **Yearly:**
  - Perform a thorough inspection of the machine, including the electrical system and mechanical components.

**Warning**

Always wear safety gear when working on the machine. Never attempt to repair the machine without proper training and certification.

Always keep the machine clean and free of debris to prevent accidents and ensure efficient operation.
<table>
<thead>
<tr>
<th>Possible Solution</th>
<th>Possible Cause</th>
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</thead>
<tbody>
<tr>
<td>Troubleshooting</td>
<td></td>
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</tbody>
</table>

**Symptom**

- Issues or tests circuit
- Motor overheats
- Motor will not start
- Motor will not run
- Motor will not speed
- Motor will not run at proper voltage
- Motor overheats

**Possible Solution**

- Check circuits in motor, check connections on motor leads. Check for loose connections.
- Check operation through the motor leads.
- Inspect leads of motor or connections in power line.
- Motor will not start
- Motor will not speed
- Motor will not run
- Motor will not run at proper voltage
- Motor overheats

**Possible Cause**

- Circuit breaker throw.
- Short circuit in motor or loose connections.
- Low voltage.
- Check operation through the motor leads.
- Inspect leads of motor or connections in power line.
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<th>No.</th>
<th>Description</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>C-60</td>
<td>Spacer, elevation gear</td>
<td>D-20</td>
<td>Tapping screw ST4x12x12</td>
</tr>
<tr>
<td>C-51</td>
<td>Hex nut M6</td>
<td>D-21</td>
<td>Washer 5mm</td>
</tr>
<tr>
<td>C-52</td>
<td>Adapting frame</td>
<td>D-22</td>
<td>Pan head screw M4x10</td>
</tr>
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<td>Circle ring 24mm</td>
<td>D-23</td>
<td>Fine adjusting handle</td>
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<tr>
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<td>Knuckle</td>
<td>D-24</td>
<td>Fine adjusting handle</td>
</tr>
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<td>C-55</td>
<td>Thin hex nut M12</td>
<td>D-25</td>
<td>Collar, fine adjust</td>
</tr>
<tr>
<td>C-56</td>
<td>Elevation gear</td>
<td>D-26</td>
<td>Eccentric washer</td>
</tr>
<tr>
<td>C-57</td>
<td>Lock block</td>
<td>D-27</td>
<td>Frame, fine adjust gear</td>
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<tr>
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<td>Hex screw M9x40</td>
<td>D-28</td>
<td>Gear rod, fine adjust</td>
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<tr>
<td>C-59</td>
<td>Flange M8x25</td>
<td>D-29</td>
<td>Core gear</td>
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<td>D-33</td>
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<td>Lock washer 8x5mm</td>
<td>D-34</td>
<td>Screw guide</td>
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<td>Hex screw M8x25</td>
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<td>Angle lock block</td>
<td>D-36</td>
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<td>Front plate, fence</td>
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<td>Pan head screw M6x12</td>
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<td>Tapping screw ST4x2x12</td>
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<td>Slotted, knurled, hex seat, T-block</td>
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<td>Slot, 25 degree</td>
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<td>Swing arm, swing arm back, steel, lock handle</td>
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**Parts List Diagram E**