

# Tool Tutorial - Notes

## Safety-Oriented User Guide for the Evolution S355MCS Mitre Saw

The Evolution S355MCS Mitre Saw is a powerful tool designed for cutting various materials, including mild steel, and aluminum. To ensure safe and effective operation, please adhere to the following safety guidelines:[Owners Manual](#)

### 1. General Safety Precautions:

- **Read and Understand Instructions:** Before operating the saw, thoroughly read the instruction manual to familiarize yourself with its features and safety measures.
- **Remove Adjusting Keys and Wrenches:** Always check that all adjusting keys and wrenches are removed from the tool before turning it on.
- **Maintain a Clean Work Area:** Keep your work to reduce the risk of accidents. Cluttered areas invite accidents.

### 3. Personal Protective Equipment (PPE):

- Always wear appropriate PPE, such as safety glasses, ear protection, and dust masks, to protect against flying debris, noise, and dust.

### 4. Preparing to Make a Cut:

- **Inspect the blade:** Make sure there are no missing teeth and the saw is in good condition.
- **Secure the Workpiece:** Ensure the workpiece is firmly secured using both the front and top clamps.
- **Check the blade position:** Make sure the blade is positioned correctly front to back. If needed, adjust the slide at the back of the saw. See the diagrams below for proper positioning.
- **Check Blade Path Clearance:** Before making a cut, ensure all clamps are fully clear of the blade path and that the cutting head has full range of motion. **During a mitre cut, it is possible to cut through a clamp, pins have been added to try and prevent this from happening.**
- **Perform a Test Run:** Without the blade spinning, perform a test rotation of the cutting head to ensure there are no obstructions.

### 5. Operating the Saw:

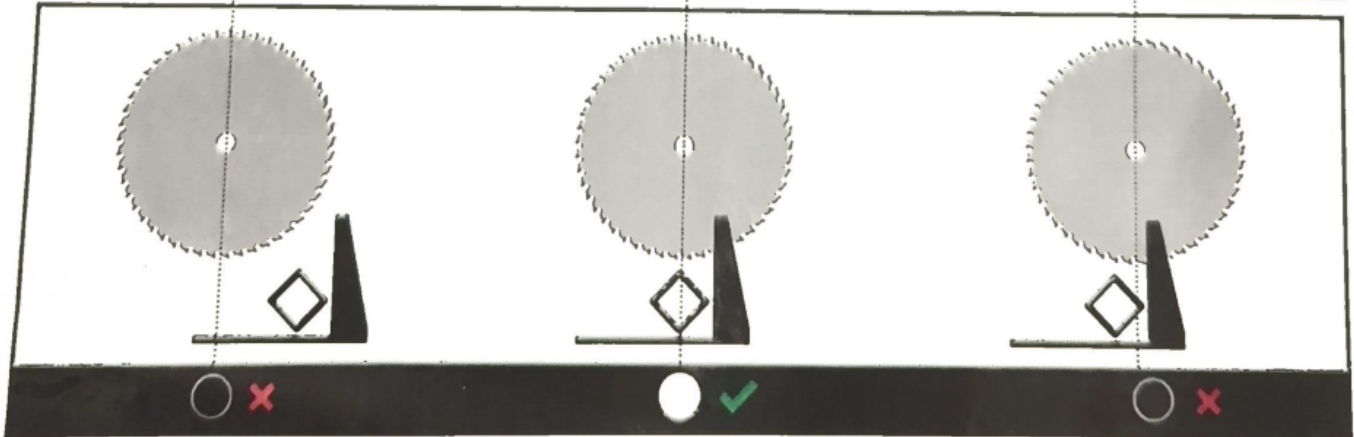
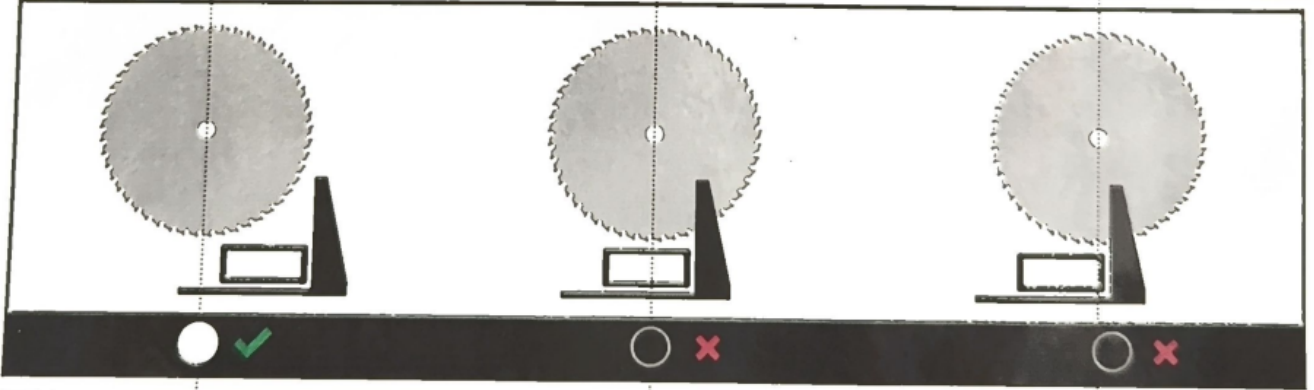
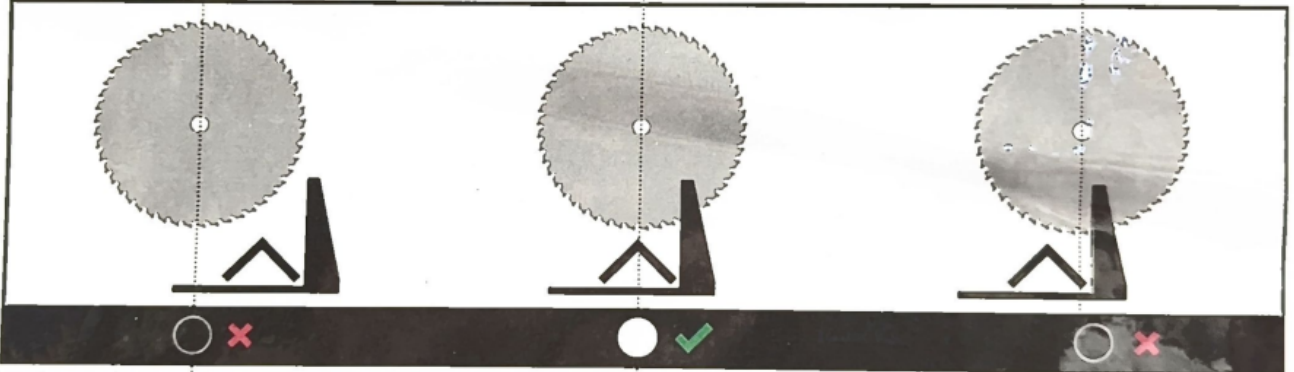
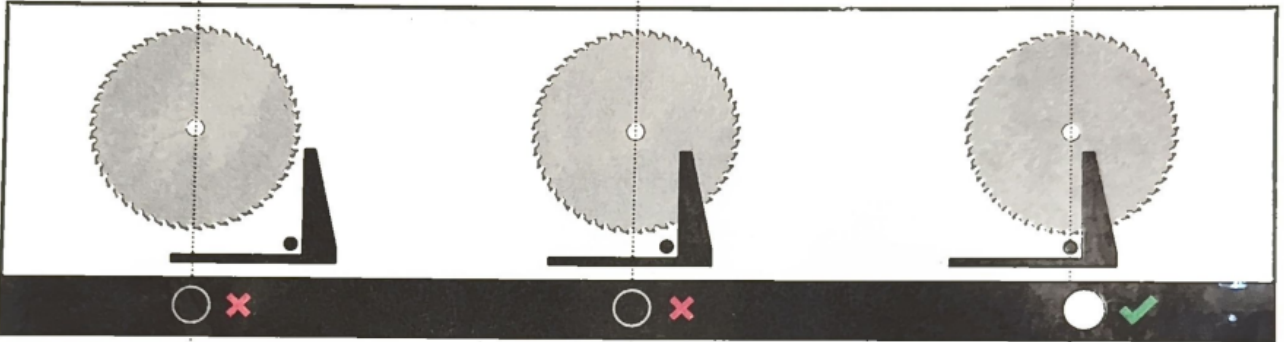
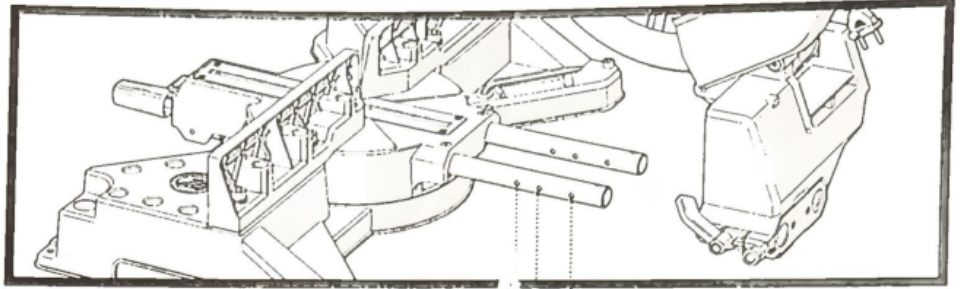
- **Starting the Motor:** Slide the safety lock on the left side of the trigger switch to the left, then depress the main trigger switch. Never start the saw with the cutting edge of the blade in contact with the workpiece.

- **Making the Cut:** Gently lower the cutting head to the material, applying light pressure to prevent the blade from grabbing. Do not force the machine; let the saw blade do the work. It helps to have the right hand pulling down on the handle and left providing some upward support to the handle, to prevent too fast of a feed.
- **Completing the Cut:** Release the trigger to turn off the motor.

By following these safety guidelines, you can ensure a safe and efficient cutting experience with your Evolution S355MCS Mitre Saw. For more detailed information, refer to the full instruction manual.

## **Proper clamping and cutting techniques:**

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