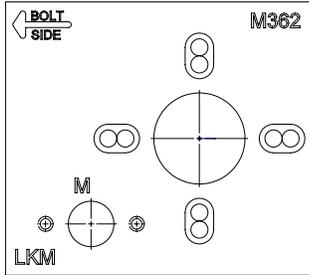


Kaba Mas X-09 Drill Template “Straw Method”

LKM Part Number: M362

This method targets the X09's Combination Motor Gear (sometimes referred to as the Stepper Motor). The user will use the plastic Stir Stick to manipulate the motor gear to a position that the lock bolt can be retracted by simply turning the spindle. This hole is located inside the perimeter of the dial ring.



The illustrated template is positioned for a Right Hand mounted lock but can be rotated to drill a lock mounted Left Hand, Vertical down or Vertical up.

To mount the template, remove the dial and dial ring from the container. Use the 8-32 Socket Head cap screws supplied with your Magnum Bullet II or Magnum High Velocity drill rig to attach the template to the door using the dial ring holes to secure the template to container. Make sure you orient the template the same as the lock's bolt. (The arrow embossed on the template is pointing the same direction as the lock bolt).

Attach the Magnum's drill rig base to the template and then mount the drill rig to the base.

Drill a 1/4" hole completely through the face of the container and hard plate box then **stop before reaching the lock case.**

Once the lock is in view, switch to a 5/32" High Speed Steel drill bit and drill into the lock case. Take precaution not to drill too deep and damage the gears inside the lock. As a rule of thumb, drill no deeper than 1/8" inside the lock case.

Attach the X09 emergency dial (or a spare hub) onto the spindle to make it easier to turn and retract the bolt.

Insert a small round coffee stir stick into the 5/32" hole. You may feel a little resistance as the stir stick passes by the stainless steel motor shield but the stir stick will not bottom out.

Begin by rotating the stir stick “clockwise” while simultaneously rotating the spindle “counter clockwise”.

The rotation of the stir stick is simulating the action of the combo motor when working properly engaging the drive cam. You will feel and maybe hear clicks as the spindle is rotated “counter clockwise”.

When you feel or hear 13 clicks while turning the spindle counter clockwise, immediately reverse the direction of the spindle and the lock bolt will begin to retract. Once the bolt starts to retract, you can then remove the stir stick and complete the lock bolt's retraction.

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2101 John C. Watts • Nicholasville, KY 40356
859.885.6041 • 800.654.0637 • Fax 859.885.1731
www.lockmasters.com