MATERIAL AND APPLICATION GUIDE

The Arbortech AS170 Brick + Mortar Saw is a specialty cutting tool, which in a number of applications has significant advantages compared to the use of circular abrasive wheels and diamond blades. The AS170 is able to :

- CUT SQUARE OPENINGS WITHOUT OVER CUTTING.
- CUT UP TO 4.72" DEEP WITH STANDARD BLADES.
- CUT DRY WITH SIGNIFICANTLY LESS DUST THAN DIAMOND BLADES OR ABRASIVE WHEELS..
- CUT A LOT SAFER THAN FAST SPINNING CIRCULAR BLADES.

IMPORTANT: The AS170 is designed to cut materials of soft to medium hardness such as Mortar Joints and bricks of soft or medium hardness.

It is ideal for Applications such as:

- Tuckpointing
- Brick Removal
- Restoration
- Renovation
- Repairing Brick Walls
- Lintel Repairs
- Cutting Cement Block
- Historical Restoration
- House Repairs & Repointing
- Toothing Brickwork
- Chimney Repairs
- Expansion Joints
- Installations of Vents, Registers etc.
- Electrical Outlets
- Plumbing

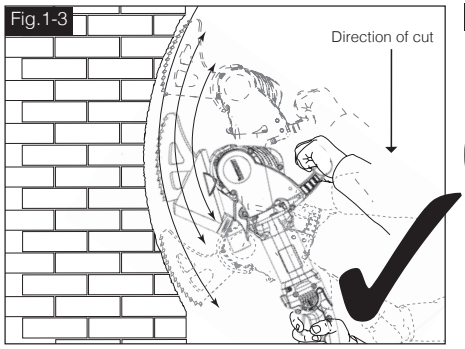
IT IS NOT DESIGNED TO CUT HARD MATERIALS SUCH AS CONCRETE. ATTEMPTING TO DO SO MAY RESULT IN DAMAGE TO THE TOOL OR BLADES!

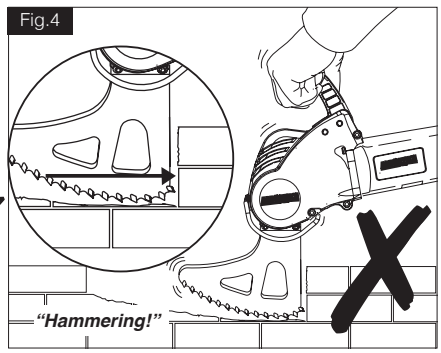
CUTTING TECHNIQUE

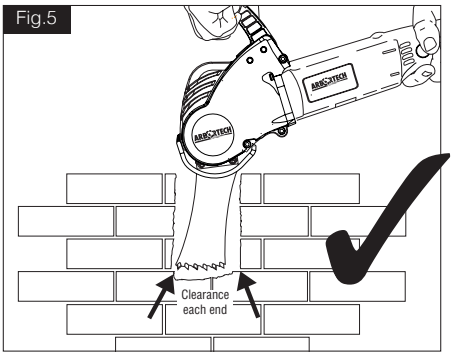
WARNING! READ USER INSTRUCTIONS CAREFULLY BEFORE USE

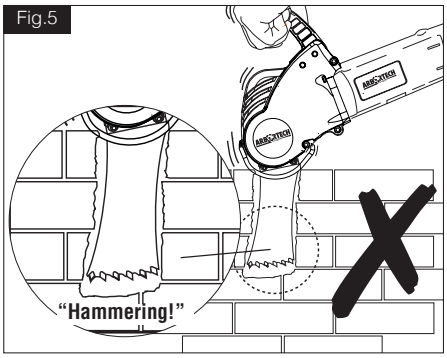
WARNING! Apply hearing, breathing, eyes and body protection as appropriate

1. Hold tool firmly in both hands using the top handle and the handle on the motor housing.
2. Start the tool before putting the tool on the material
3. While cutting always move the tool in a slow sawing motion, which improves the cut rate, reduces heat build up and evens the wear on the blade.
4. Avoid hammering of the rear or forward end of the blades
5. When Plunge cutting the cut must have enough clearance on the sides to avoid hammering.

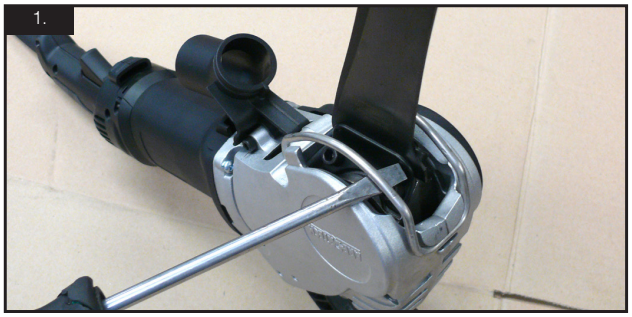






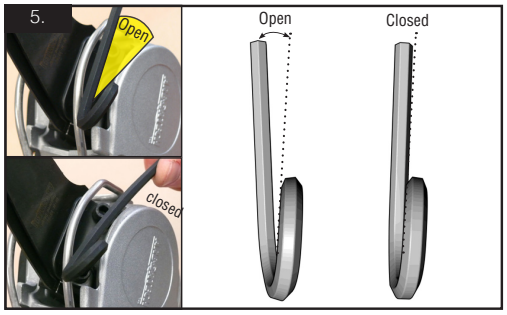


CHANGING BLADES:



⚠ **WARNING!** Make sure the tool is unplugged from power source before changing blades to avoid accidental start of the tool!

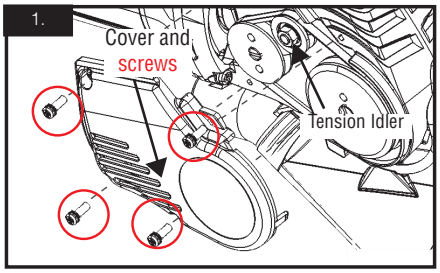
1. Flip up wire guard to have access to blade bolts
2. Undo and remove blade bolts. Inspect for damage or extensive wear. If bolt thread appears to be damaged or worn do not reuse. Only use special bolts supplied with the tool.
3. Before mounting new blade set make sure mounting surfaces, bolts and bolt holes are clean and free of grit or lubricant.
4. Inspect holes in blade mounting block. If there is sign of excessive wear, enlargement or elongation, do not use the blades.
5. Mount new blade set and tighten the blade bolts to 18Nm using the short end of the supplied "Ian Key". The correct torque is applied when the gap in the coil of the Ian key is closed. Push wire guard back into position.



TIGHTENING AND CHANGING THE DRIVE BELT

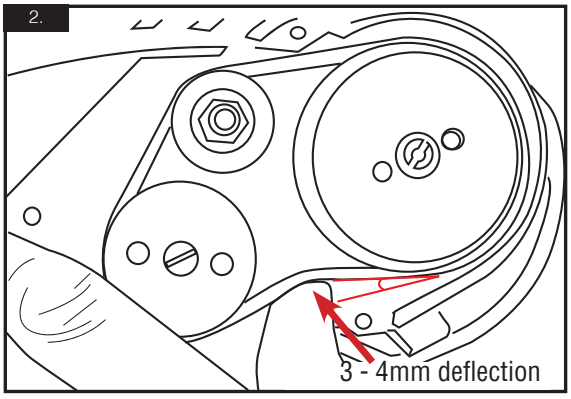
IMPORTANT: The drive belt has to be kept tight at all times to avoid extensive slippage and damage to the belt.

⚠ **WARNING:** Make sure the tool is unplugged from power source to avoid accidental start of the tool!



TENSIONING THE BELT:

1. To access the belt remove the 4 screws holding the plastic cover.
2. Inspect belt for correct tension and signs of wear. (NOTE: the belt should deflect 3-4mm. Loosen the 10mm nut on the idler pulley (B). To loosen belt let the idler pulley slide towards the large driven pulley (C). To tighten belt use a small screwdriver to lever the idler pulley away from drive pulley and tighten the 10mm nut to hold the idler pulley in the correct position.
3. Refit the plastic cover. NOTE: Only use original screws as longer screws may cause damage inside the housing.



CHANGING THE BELT:

1. Remove plastic cover and loosen idler pulley as described above.
2. Remove old belt.
3. Install new belt making sure the V on inside of the belt runs outside of the idler pulley

Use a scewdriver to lever and tighten the 10mm nut on the idler pulley