

The Solutions Forum



Solutions in metalworking

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Techtips.....



Increase your productivity by properly maintaining your angle grinder.

Proper care and maintenance of an electric angle grinder will prolong its service life and ensure high productivity. The following tips will maintain your grinder at peak efficiency. The frequency at which these tips are applied will depend on the tools usage.

Cleaning

Exterior dust and dirt deposits should be cleaned from the machine and power cord. This can easily be done using a cleaning rag or brush. All air vents should also be cleaned with an air blow gun (low pressure compressed air), to ensure there is no dust accumulation that can restrict air flow and cause the power tool to overheat.

Brush replacement

Walter tools are equipped with auto-stop carbon brushes. When the brushes have reached their minimum length, the tool will stop working immediately and won't restart until the brushes are replaced. When replacing carbon brushes, verify that they move freely in their holders and are making good contact with the armature commutator.

Lubrication

Under normal use, the gearbox lubricant should be checked at least twice a year. This can be done at one of the Walter factory and authorized service centers (please consult Walter product catalogue).

All exterior moving parts should be lubricated periodically to keep the grinder in optimal condition.

Usage

- Regularly inspect flanges for wear. If they appear to be unbalanced or worn on one side, they should be replaced.

- Inspect safety guard to make sure it's in good shape and mounted properly. Always use the guard when grinding or cutting. Make sure it fits and is the right size for the model.

- If you sense something may not be right with the power tool discontinue its use and have it checked by an authorized Walter service center.

- Today's smaller and more powerful angle grinders require a higher operating amperage so choosing the right AWG (American Wire Gauge) sized extension cord is very important. The recommended size, as stated in the owner's manual, must be observed.

- An extension cord using an undersized wire gauge will result in loss of power and possible motor damage, in turn decreasing work output and greatly increasing the possibility of down time.

As an example, a grinder that is rated at 12 amps will require the following size extension cord:

Quick tips

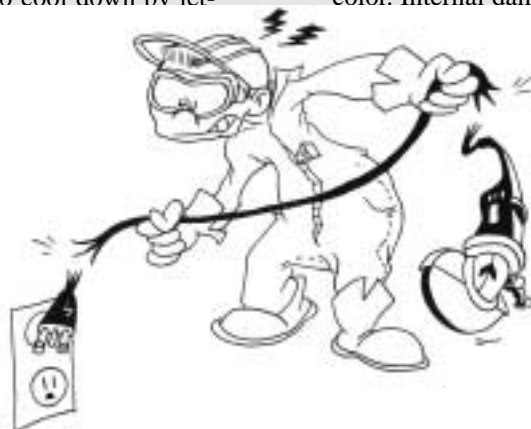
- ✓ When disconnecting a power tool from a power receptacle, only the plug should be pulled, not the cord.

- ✓ If the tool should accidentally overheat, allow it to cool down by letting it idle at for a few minutes of switching it

- ✓ Always use cut-off wheels in optimal working condition, that is, not damaged and well balanced.

- ✓ Only Walter small angle grinders are equipped with the QUICK tool-free wheel change feature which

can be recognized by the orange spindle lock button. Do not push the spindle lock button until the spindle has come to a complete stop on any other grinder or if the spindle lock button is of black color. Internal damage could result.



- ✓ Use the right sized tool for the job. Using a small tool to do the job of a larger one can shorten tool life and cause motor burnout.

The key to using safely with to first read the safety and operating instructions before using it.

Extension cord length (ft)	Recommended wire size (AWG)
25	16
50	14
75	12
100	10