

Bäumr-AG®



METAL CUT-OFF SAW

USER MANUAL

[Revision 1.0 June 2016]

RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

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INTRODUCTION

Cut-off saws are moveable electric tools designed to cut all kinds of material. They are double-insulated tools. Their speed is reduced by a pair of cylinder spiral bevel gears. Their instruments are reinforced resin-bond grinding wheels. The safety peripheral speed is 80m/sec.

They can cut all kinds material, i.e., cylinder steel tubes, irregularly-shaped steel tubes, casting iron tube, round steel, angle steel, groove steel, flat steel and so on.

Cut-off saws are widely used in the fields of machinery – building, vehicle manufacturing, chemical engineering, civil engineering, metallurgical and electric power industries, etc. They are easy to operate, efficient and reasonably constructed.

Before operating this machine, please read this user manual carefully to learn its application and limitation, as well as the specific potential hazards peculiar to this tool for safety.

SAFETY

1. **Avoid dangerous environments.** Do not expose power tools to rain, do not use power tools in damp or wet locations.
2. **Do not drop or impact the power tool.** Inspect all parts whenever you think the tool may have been dropped or impacted.
3. **Do not abuse the cord.** Never carry the tool by the cord or yank it to disconnect it from the receptacle. Keep the cord away from sources of heat, oil and sharp edges.
4. **Keep children away.** All visitors should be kept at a safe distance from the work area.
5. **Do not operate power tools in gaseous or explosive atmospheres.** The motor in these tools normally produces sparks, which might ignite fumes.
6. **Do not operate the cutter without the protection cover.**

OPERATION

1. Before operating the tool, you must check the voltage of the power source and the frequency which has to correspond with the voltage shown on the nameplate.

MODEL	OUTSIDE DIAMETER	INSIDE DIAMETER	THICKNESS	SPEED
BCS-355	355	25.4	3.5	80m/sec.

2. You must use the cutting wheel as shown in the above table.
3. The cutting wheel must not have any cracks or breakages to ensure your safety.
4. If the cutting wheel has already been kept for over a year, it can then be used after performing a quality check of the circle intensity.
5. After the wheel has been installed in the cutter, let it turn for a minute. Check the fluttering of the cutting wheel; heavy fluttering can cause the cutting wheel to break. To avoid the possibility, install the clip again.
6. Before cutting, make sure that the work piece has been fixed securely on a vise. Adjust accordingly based on the shape and type of material, the size of the diameter, texture and cutting speed.

REPLACING THE CUTTING WHEEL

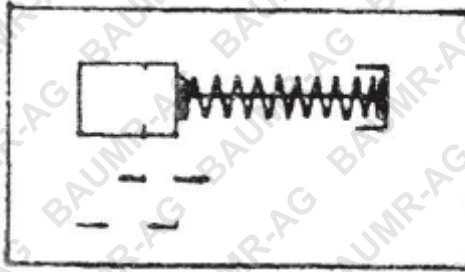
- Replace the cutting wheel when its outside diameter has misaligned approximately 1/3.
- When replacing the cutting wheel, be sure that the power tool is disconnected from the power supply and that the switch is in the OFF position.

DRAWING THE CUTTING WHEEL

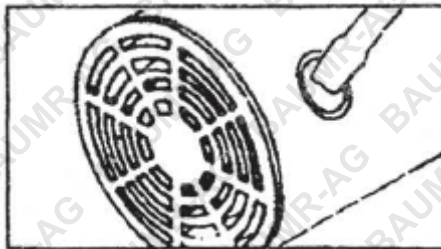
- Push the stopper pin behind the protective cover so that you cannot turn the cutting wheel with your hands. Then, open the side cover. A hexagonal bolt will enable you to remove the flange washer, outside flange, cutting wheel, spacer, and the inside flange in that order.

MAINTENANCE

- Keep all vent holes of the motor frame clean and free from any dust/dirt. Blow out the motor regularly with compressed air.
- Renew the ear grease at every carbon brush change.
- The brushes need to be checked after approximately 40 hours of operation. Minimum permissible length is 5 – 6mm. If the length is shorter, then the brushes need to be replaced.



- To check or replace the carbon brushes, remove the brush holder cap by undoing the screw. After fitting the new brushes, let the tool run idle with the new brushes for 10 minutes.



SPECIFICATIONS

MODEL	BCS-355
VOLTAGE	220V 50-60Hz
POWER	2,200W
BLADE DIAMETER	355mm
INSIDE (ARBOR) DIAMETER	25.4mm
SPEED	3,800r/min
BLADE THICKNESS	3.5mm
MAX MATERIAL THICKNESS (CUTTING DIAMETER)	130mm/5"



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged / missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections / servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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