

# amtech®

## 2 piece 185mm circular saw blade set

Stock Code: V5000

### INSTRUCTION MANUAL & SAFETY GUIDE



#### IMPORTANT WARNING:

Always wear suitable safety wear



#### WARNING:



Using tools can be dangerous. Always take care and keep away from children. Wear protective eyewear in work area at all times. Always wear work gloves. Select the correct type and size of tool for work / application.



#### ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

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**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. PLEASE NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY. PLEASE KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.**

**IMPORTANT:**

No liability is accepted for the incorrect use of the product. Whilst every effort has been made to ensure accuracy of information contained in this manual the DK Tools Ltd policy of continuous improvement determines the right to make modifications without prior warning.

**2 piece 185mm circular saw blade set (24T/40T)**

**(For use with Amtech V6145)**

**Stock Code: V5000**

**CONTENTS:**

- 1 x 24T TCT saw blade
- 1 x 40T TCT saw blade

**UNPACKING:** When unpacking, make sure the item is intact and undamaged.

**BLADES:**



TCT blade 40T  
Suitable for cutting wood



TCT blade 24T  
Suitable for cutting wood

Product description	2 piece 185cm circular saw blade set (24T/40T)		
Product specification	Maximum rotational speed:	7200 RPM	7200 RPM
	Cutting diameter (mm):	ø185	ø185
	Bore diameter (mm):	ø20	ø20
	Cutting width (mm):	2.2	2.2
	Thickness of body (mm):	1.4(±0.1)	1.4(±0.1)
	Number of teeth (mm):	24	40
	Material of teeth (mm):	HW	HW

Please note that this product has been manufactured in accordance with EN 847-1.

## Personal Safety

For your personal safety always ensure that you:

- a. Review and follow the instructions carefully, particularly when changing blades.
- b. Wear suitable ear defenders before handling the saw.
- c. Wear suitable eye protection before handling the saw.
- d. Wear protective gloves before handling the saw.
- e. Wear suitable protection against dust before handling the saw.
- f. Wear suitable clothing.



### WARNING

If used carelessly or improperly, circular saw blades can cause serious injury.

Always ensure that all safety instructions for the power tool or woodworking machine are observed.

- a. Tools shall be used only by persons of training and experience who have knowledge of how to use and handle tools.
- b. Choose a suitable circular saw blade for the material to be worked.
- c. Ensure that the diameter, width and bore sizes are correct for the machine to be used.
- d. When the tool is not in use, it should be stored in a way that will prevent damage to the blade's teeth.
- e. Do not touch cutting discs until they have cooled down. The cutting discs become very hot while operating.
- f. Ensure that the permitted maximum speed of the cutting disc matches at least the maximum speed of the power tool.
- g. Remove the circular saw blade before transporting the power tool in order to prevent damage.
- h. Disconnect the power supply before changing the circular saw blade.
- i. Do not overreach while cutting - when trying to cut long boards with your circular saw, do not try to overreach or try to cut further than your hands can extend.

### 1) Before use

- a. Remove all contents from the packaging and inspect the contents to ensure no damage occurred during shipping.
- b. Perform a saw check and make sure every part of the circular saw is working properly.
- c. Check the markings on the circular saw blades for the direction of rotation and machine settings.
- d. Check the condition of the circular saw blades; do not use deformed, cracked, worn or otherwise damaged blades. Saw blades with visible cracks shall be scrapped. **Repairing is not permitted.**
- e. Tools with visible cracks shall not be used.
- f. Never use a blade with missing or damaged teeth or carbide tips – damaged blades should be discarded properly.
- g. Ensure that the blades are sharp – never use a dull/blunt blade.
- h. Before installation please ensure the blade is the correct diameter and arbour size for your saw. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- i. When starting the saw for the first time after installing a blade, allow the saw to run at full 'No Load Speed' for a few seconds. Be sure to stand aside from the blade path during this time. Look out for any blade wobble or vibration that could indicate incorrect installation.
- j. A blunt blade may burn the cutting surface. If this happens, please replace the blade immediately. Overheated blade tips may loosen and cause serious injury.

## **2) Fastening/replacing of tools and parts**

- a. Unplug your circular saw or remove the battery before fitting or replacing the blade.
- b. The machine manufacturer's instructions must be followed when mounting the blade.
- c. Ensure that the blade and the tool body are clamped securely so that they do not loosen during operation.
- d. For tools with friction lock a setting gauge shall be used to maintain radial and axial cutter projections  $c_r$  and  $c_a$ .
- e. Circular saw blades should be clamped by the hub of the blade. Cutting edges should not be in contact with each other or with the clamping components.
- f. Fastening screws and nuts should be tightened to the torque value provided by the machine manufacturer using the appropriate tools.
- g. Do not overtighten. Extension of the spanner or tightening using hammer blows is not permitted.
- h. Ensure the clamping surface is clean and free from debris, grease, oil and water.
- i. Follow the machine manufacturer's instructions for tightening of the clamping screws.
- j. To adjust the bore diameter of circular saw blades to the spindle diameter of the machine only fixed rings, e.g. pressed or held by adhesive fixing, shall be used. The use of loose rings is not permitted.
- k. When mounting radial adjustable cutting parts the limit of the clamping position given as a mark on the tool body, e.g. as a dash, shall be respected.
- l. After each use, lubricate your blade with a rust preventive – this will prevent the blade from rusting when being stored.

## **3) Work Area Safety**

- a. Keep work area clean, well ventilated and well lit. Cluttered and dark areas invite accidents.
- b. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite dust particles.
- c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

## **4) Electrical Safety**

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. Avoid bodily contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e. When operating a power tool outdoors, use an extension cord suitable for outdoor use - this reduces the risk of electric shock.
- f. Always use the power tool in conjunction with a residual circuit breaker device. The use of a residual circuit breaker device reduces the risk of electric shock.

## **5) Personal Safety**

- a. Stay alert, concentrate on what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b. Circular saw blades are sharp – make sure that gloves are worn while handling.
- c. Do not wear loose clothing. Personal Protection Equipment (PPE) should be worn during operation.
- d. The maximum speed marked on the circular saw blade shall not be exceeded, and the specified speed range must be observed.
- e. Observe the correct rotational direction of the blade.
- f. To ensure a better and safer performance, the circular saw blade should be kept clean and well maintained. Light alloy tool parts shall only be cleaned, e.g. from resin, with solvents that do not affect the mechanical characteristics of these materials.
- g. Never hold the workpiece being cut in your hands or across your legs. Secure the workpiece to a stable platform. It is important to support the workpiece properly to minimize body exposure, blade binding, or loss of control.
- h. Do not reach underneath the workpiece.
- i. Do not force the tool or attempt to cut curves with the blades.
- j. To avoid injuries, tools shall be handled in accordance with the guidance provided by the manufacturer. Typically, safe handling involves the use of devices such as carrying hooks, proprietary handles, frames (e.g. for circular saw blades), boxes, trolleys etc. The wearing of protective gloves improves the grip on the tool and further reduces the risk of injury. Tools which weigh more than 15kg may require the use of special handling devices or attachments, these will depend on the features that the manufacturer has designed into the tool to allow easy handling.