Nothing but **HEAVY DUTY.**®

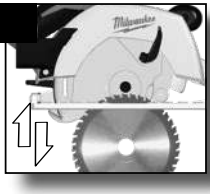


CS60

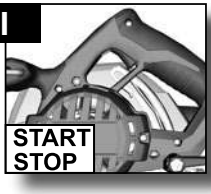
Original instructions



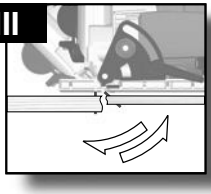
I



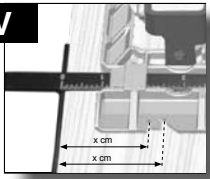
II



III



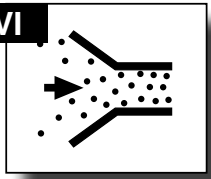
IV



V



VI

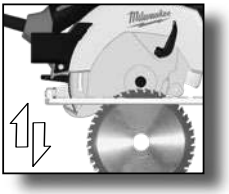


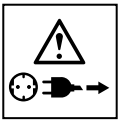
VII

TIP

VIII

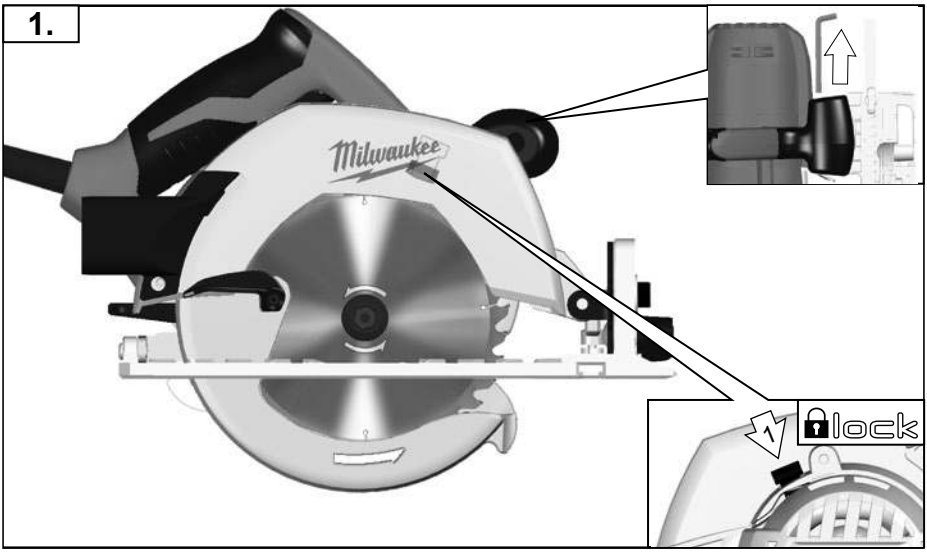
Technical Data,Safety Instructions, Specified Conditions of Use, Declaration of Conformity, Batteries, Maintenance, Symbols
Please read and save these instructions!

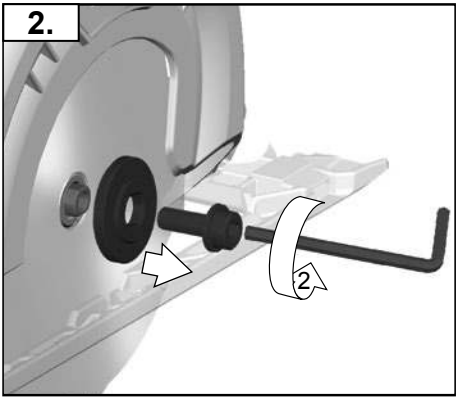


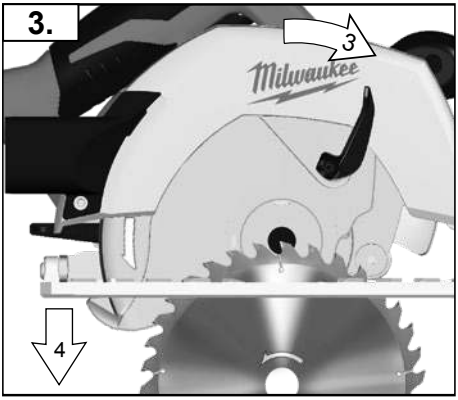


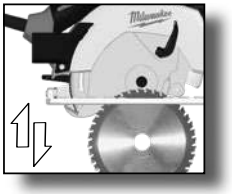


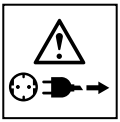
I



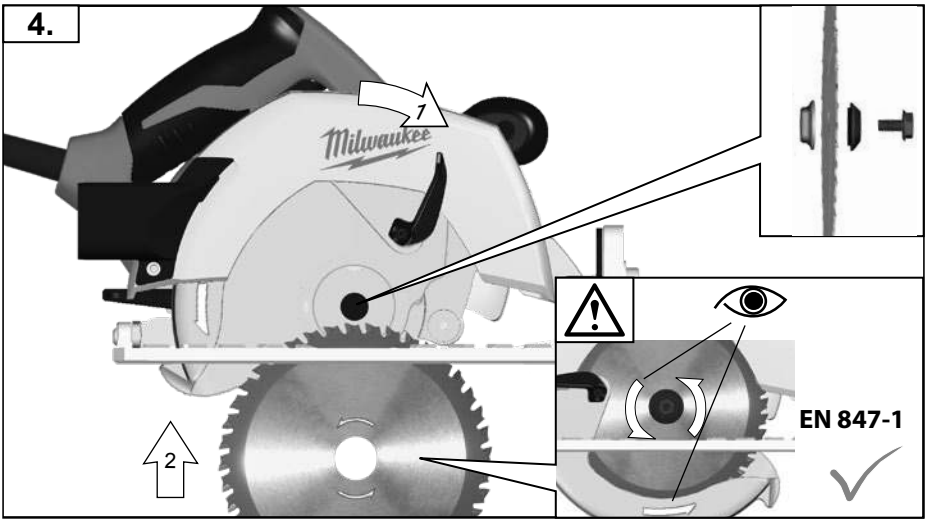


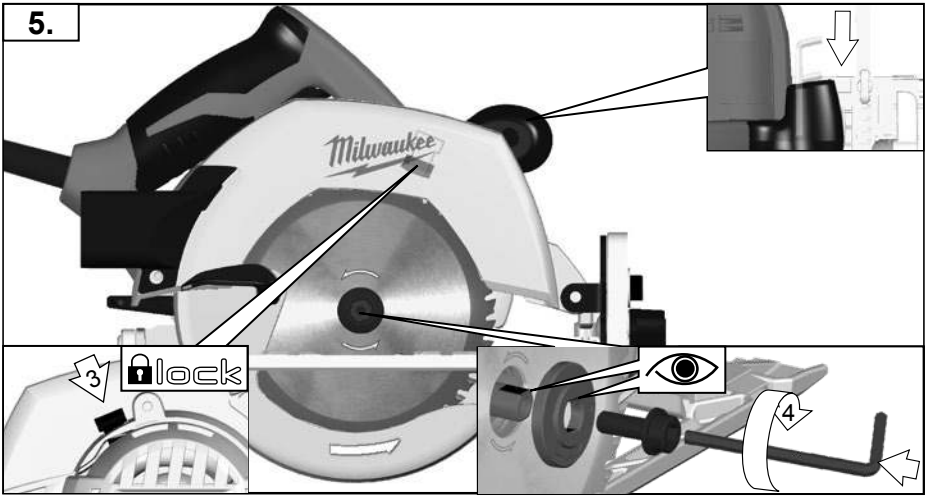


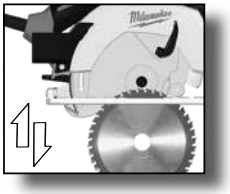


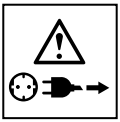





4.
7
2
EN 847-1

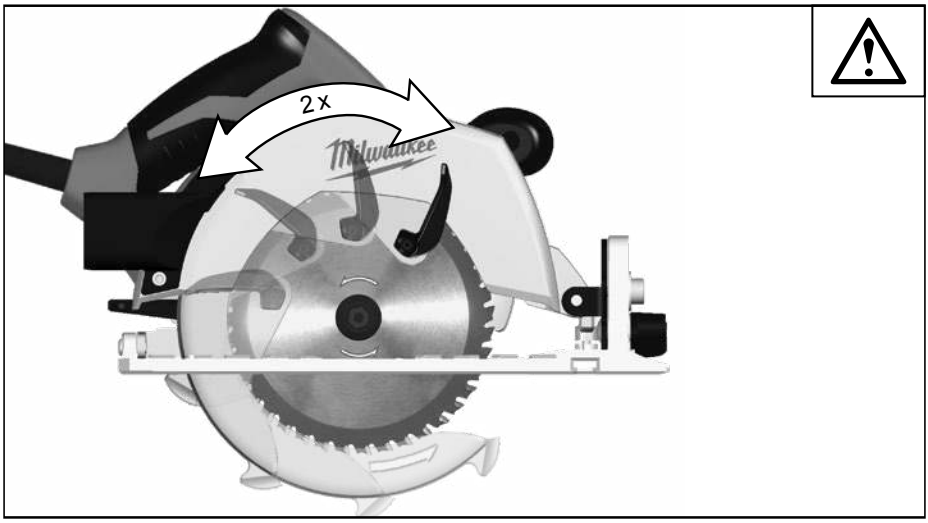

5.
3
lock
4







I




START
STOP




Start

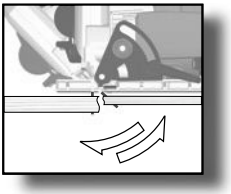

Stop

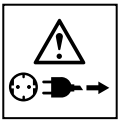


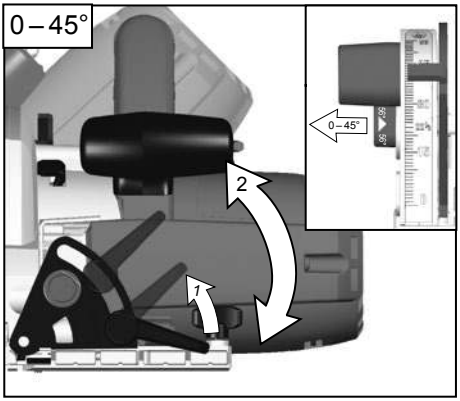
START
STOP

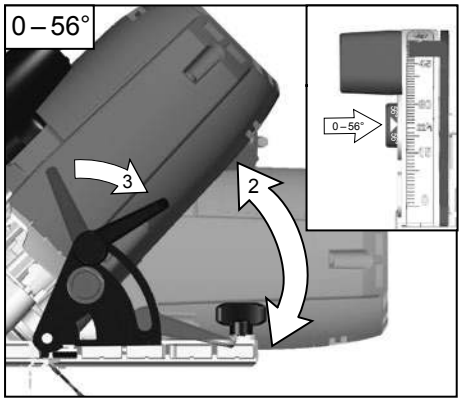


Insulated gripping surface

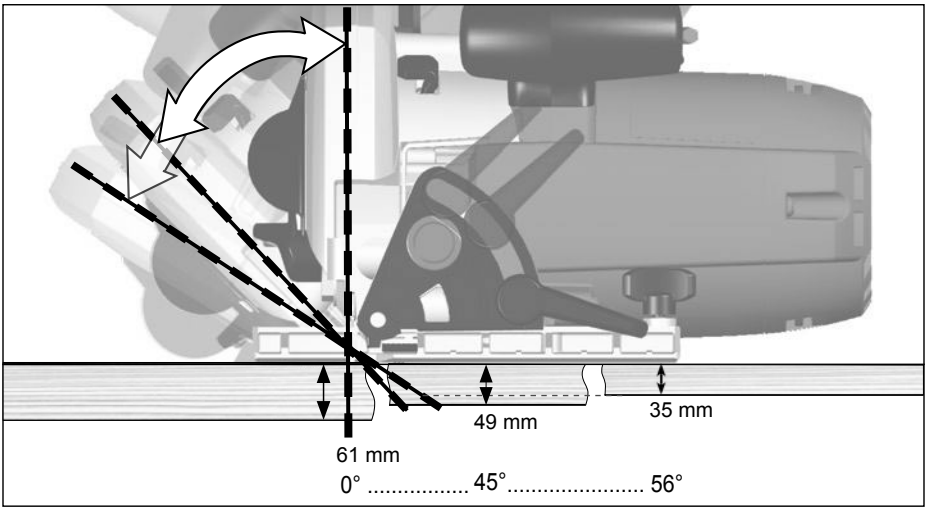


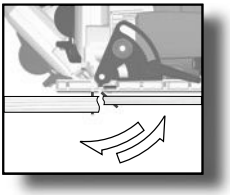


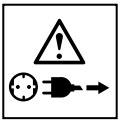




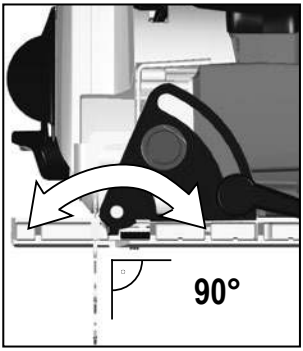
III

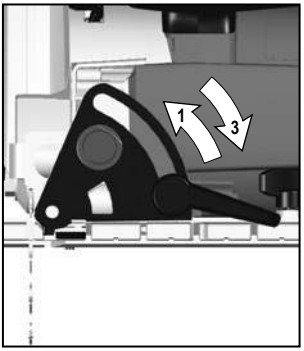


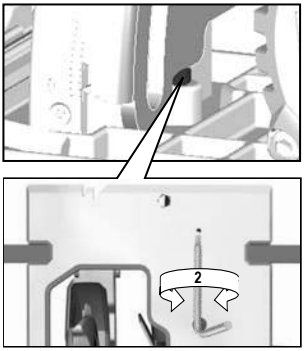




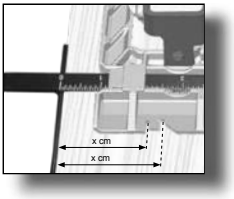
III

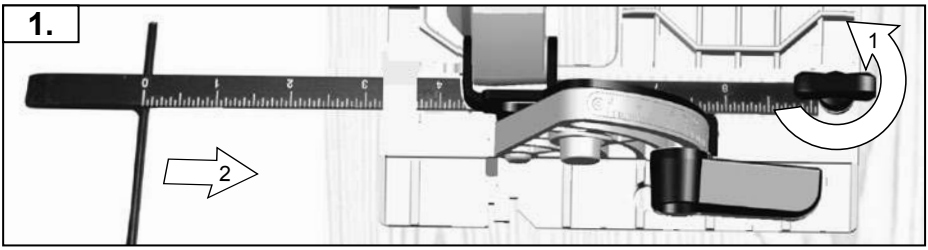


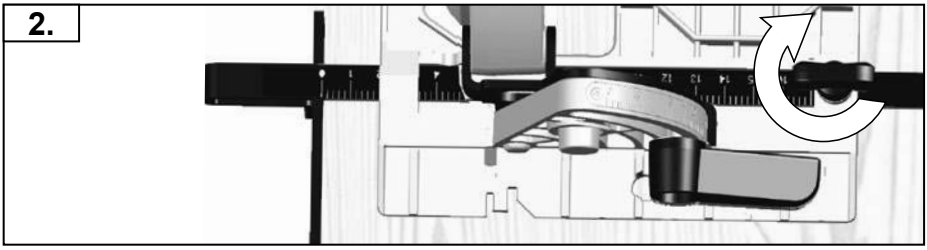


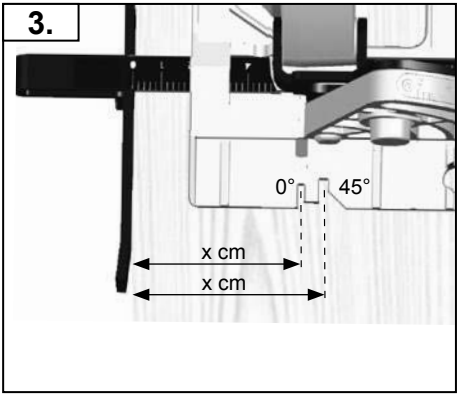


If a correction of the 90° angle of the guide-plate to the saw blade is necessary, use the correction screw.



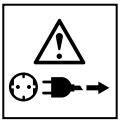


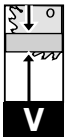


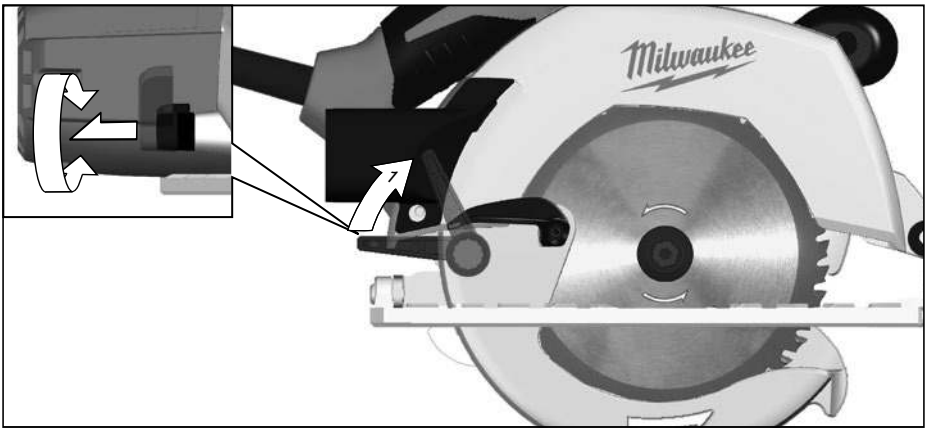


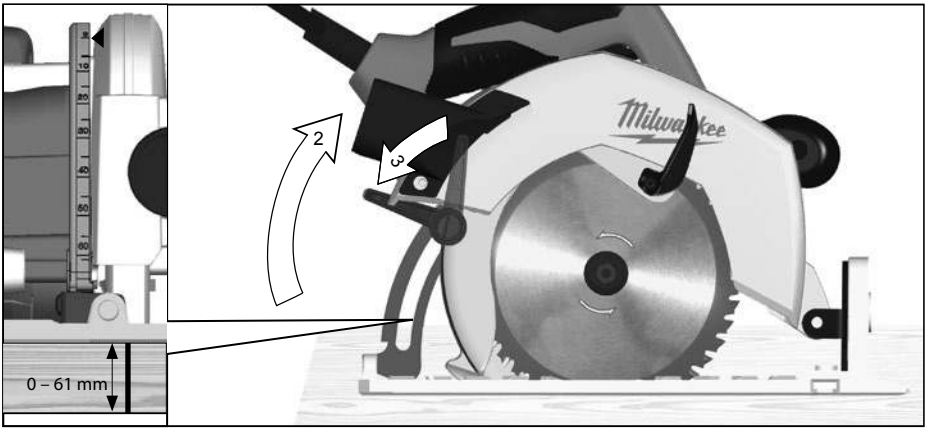
Carry out a test cut



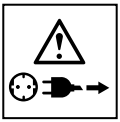


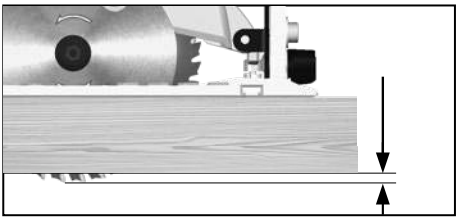

V

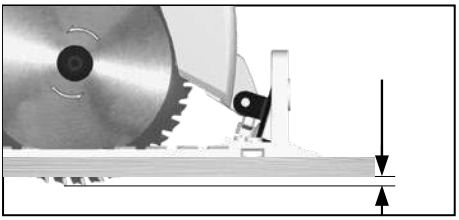

Milwaukee
1

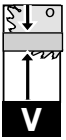

2
3
0 – 61 mm



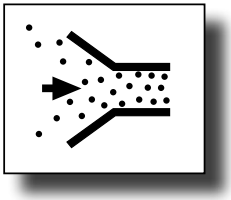




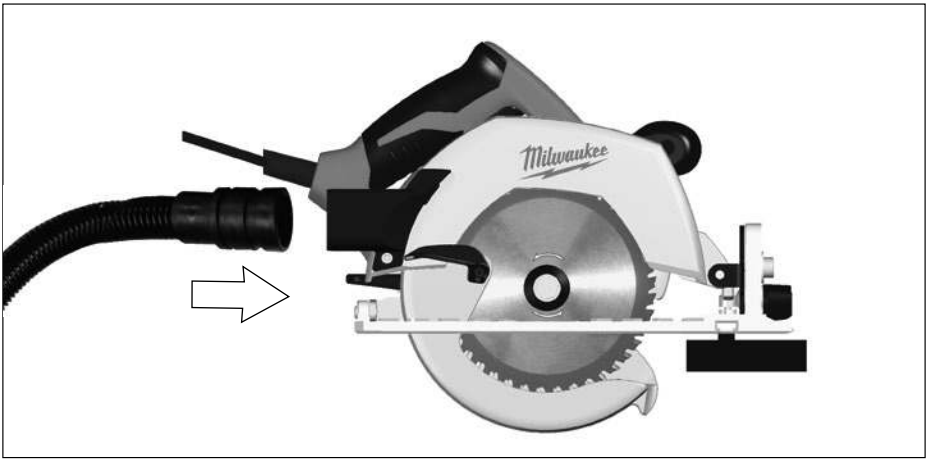




Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece.

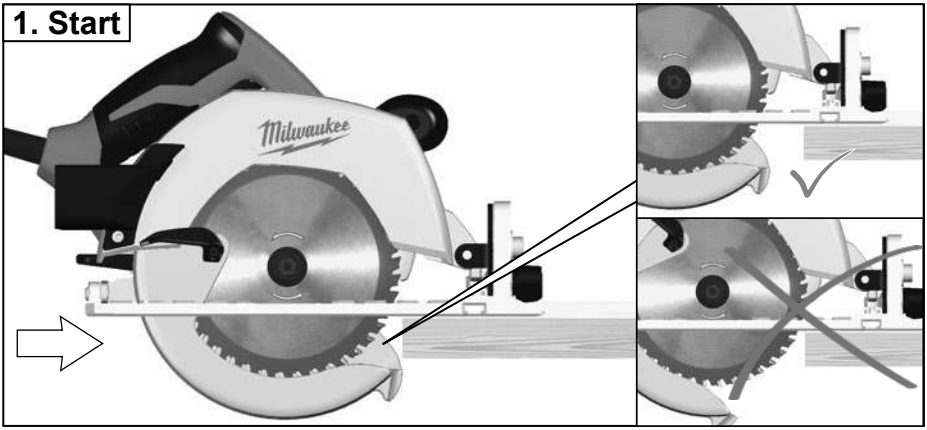


VI



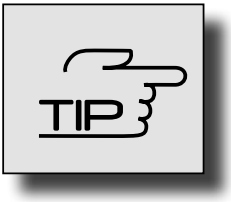
AS 300 ELCP




1. Start
Milwaukee

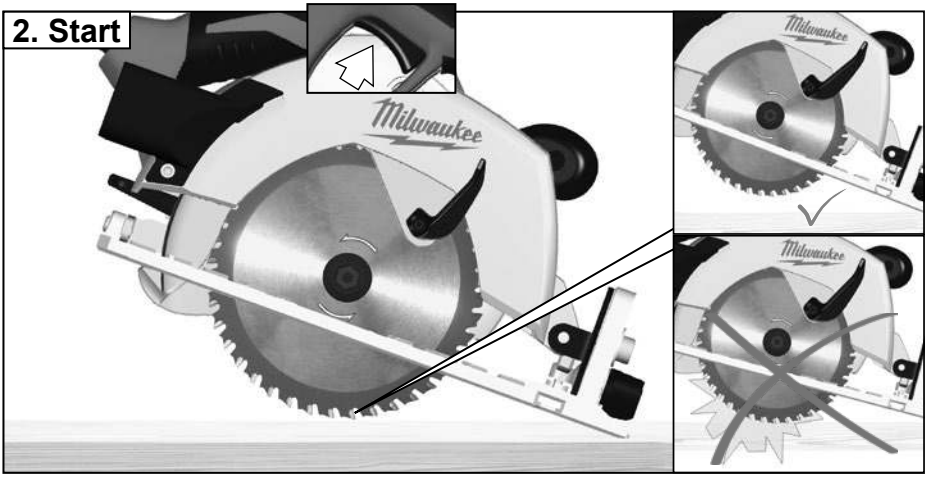

2.
0°
45°
Milwaukee


3. Stop
Milwaukee


TIP




1.
Milwaukee
0°
> 0°

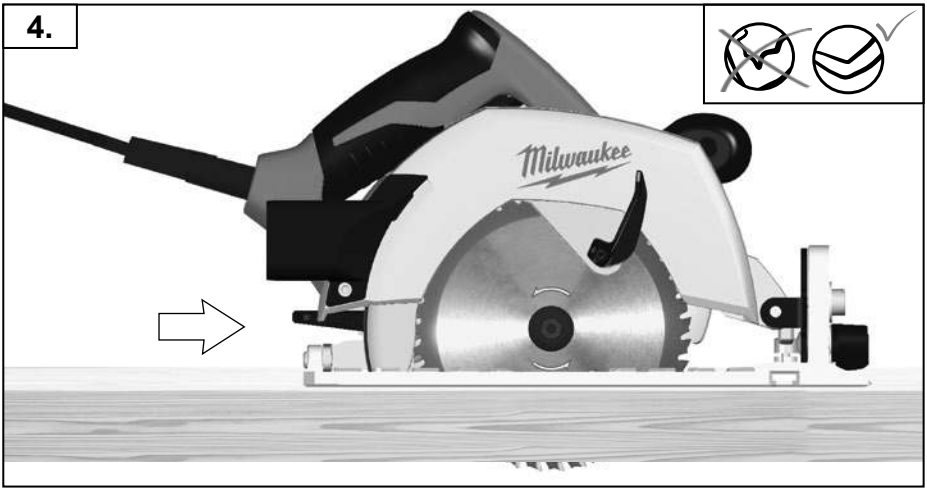

2. Start
Milwaukee
Milwaukee
Milwaukee



3.



4.



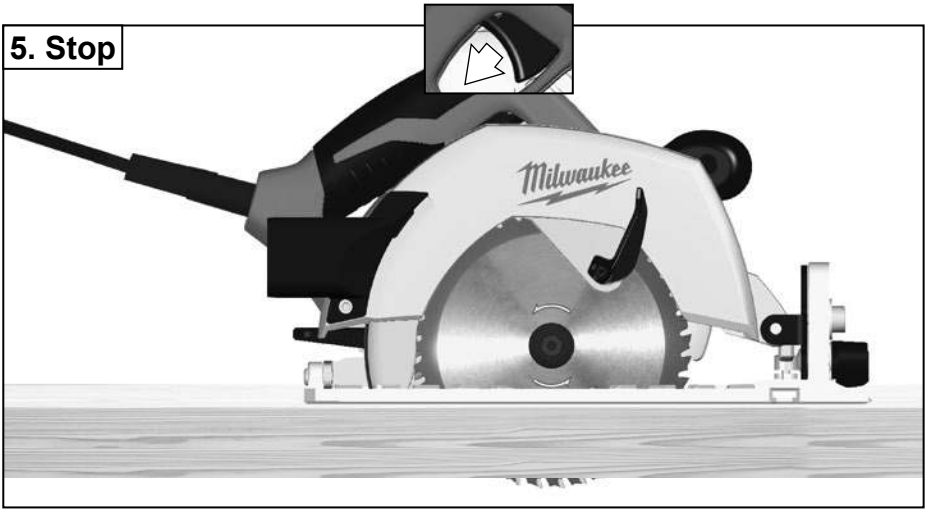
TIP



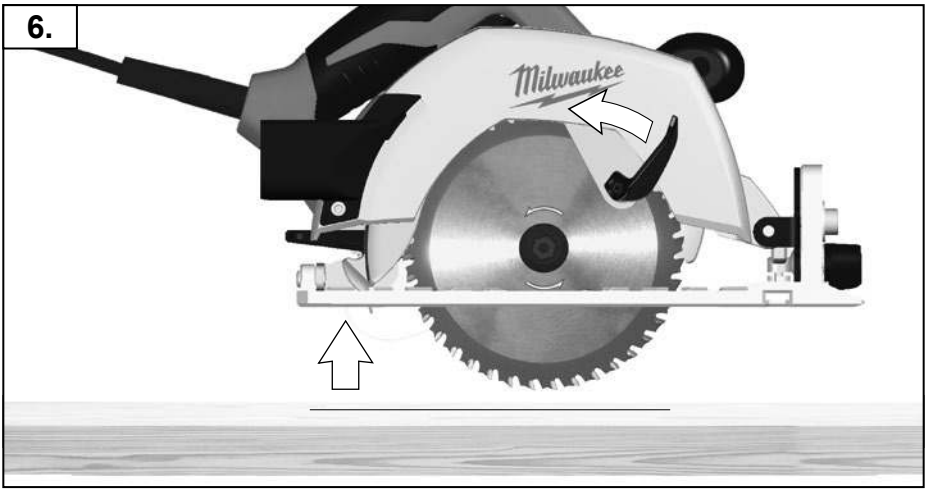


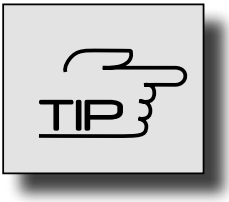

TIP
VII

5. Stop

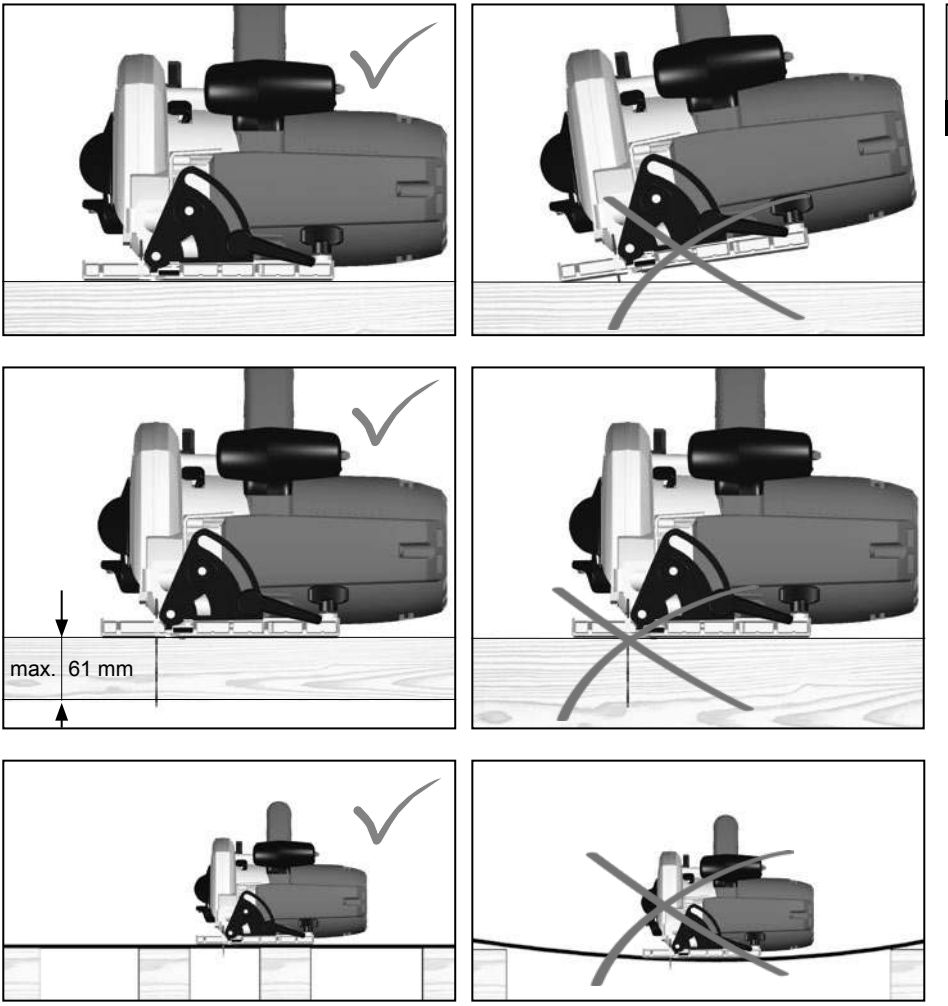


6.




TIP




max. 61 mm

Technical Data Circular saw	CS 60
Production code	4108 66 06 ... 4192 26 06 000001-999999
Rated input	1600 W
No-load speed	6300 min^{-1}
Saw blade dia. x hole dia	184 x 30 mm
Max. Cutting depth at 90° / 45° / 56°	61 / 49 / 35 mm
Saw blade thickness	1,8 mm
Blade teeth	24
Weight according EPTA-Procedure 01/2014	4,8 kg
Noise information Measured values determined according to EN 62841. Typically, the A-weighted noise levels of the tool are: Sound pressure level (Uncertainty K=3dB(A)) L_{pA} Sound power level (Uncertainty K=3dB(A)) L_{WA} **Wear ear protectors!**	 94,5 dB(A) 105,5 dB(A)
Vibration information Vibration total values (triaxial vector sum) determined according to EN 62841 Sawing of wood: Vibration emission value $a_{h,W}$ Uncertainty K=	 3,8 m/s^2 1,5 m/s^2

VIII

WARNING!

The vibration and noise emission level given in this information sheet has been measured in accordance with a standardized test given in EN 62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration and noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and noise emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration and noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm, organization of work patterns.

Wear ear protectors. Exposure to noise can cause hearing loss.

⚠ WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

⚠ CIRCULAR SAW SAFETY WARNINGS

Cutting procedures

a) ⚠ DANGER: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.

b) Do not reach underneath the workpiece. The guard cannot protect you from the blade below the workpiece.

c) Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece.

d) Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform. It is important to support the work properly to minimise body exposure, blade binding, or loss of control.

e) Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a „live" wire will also make exposed metal parts of the power tool „live" and could give the operator an electric shock.

f) When ripping, always use a rip fence or straight edge guide. This improves the accuracy of cut and reduces the chance of blade binding.

g) Always use blades with correct size and shape (diamond versus round) of arbour holes. Blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.

h) Never use damaged or incorrect blade washers or bolt. The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

Kickback causes and related warnings

– kickback is a sudden reaction to a pinched, jammed or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;

– when the blade is pinched or jammed tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;

– if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade. Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.

b) When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.

c) When restarting a saw in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged into the material. If the saw blade binds, it may lift up the workpiece and cause kickback when the saw is restarted.

d) Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.

e) Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.

f) Blade depth and bevel adjusting locking levers must be tight and secure before making the cut. If blade adjustment shifts while cutting, it may cause binding and kickback.

g) Use extra caution when sawing into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

Lower guard function

a) Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

b) Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

c) The lower guard may be retracted manually only for special cuts such as„plunge cuts" and„compound cuts". Raise the lower guard by the retracting handle and as soon as the blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.

d) Always observe that the lower guard is covering the blade before placing the saw down on bench or floor. An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

WORKING INSTRUCTIONS

Adapt the feed speed to avoid overheating the blade tips.

ADDITIONAL SAFETY AND WORKING INSTRUCTIONS

Wear ear protectors. Exposure to noise can cause hearing loss.

Use protective equipment. Always wear safety glasses when working with the machine. The use of protective clothing is recommended, such as dust mask, protective gloves, sturdy non-slip footwear, helmet and ear defenders.

The dust produced when using this tool may be harmful to health. Do not inhale the dust. Use a dust absorption system and wear a suitable dust protection mask. Remove deposited dust thoroughly, e.g. with a vacuum cleaner.

Do not use saw blades not corresponding to the key data given in these instructions for use.

It is necessary to select a saw blade which is suitable for the material being cut.

Use only woodworking blades specified in this manual, which comply with EN 847-1.

The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.

Do not use abrasion discs in this machine!

Do not fix the on/off switch in the„on" position when using the saw hand-held.

MAINS CONNECTION

Connect only to single-phase AC system voltage as indicated on the rating plate. It is also possible to connect to sockets without an earthing contact as the design conforms to safety class II.

Appliances used at many different locations including wet room and open air must be connected via a residual current device (FI, RCD, PRCD) of 30mA or less.

Only plug-in when machine is switched off.

Do not let any metal parts enter the airing slots - danger of short circuit!

Keep mains lead clear from working range of the machine. Always lead the cable away behind you.

Before use check machine, cable, safety harness and plug for any damages or material fatigue. Repairs should only be carried out by authorised Service Agents.

A power spike causes voltage fluctuations and may affect other electrical products in the same power line. Connect the product to a power supply with an impedance equal to 0.3 Ω to minimize voltage fluctuations.

Contact your electric power supplier for further clarification.

SPECIFIED CONDITIONS OF USE

This electronic circular saw can cut lengthways and mitre accurately in wood.

EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product described under "Technical Data" fulfills all the relevant provisions of the directives
2006/42/EC
2014/30/EU
2011/65/EU (RoHS)

and the following harmonized standards have been used.

EN 62841-1:2015
EN 62841-2-5:2014
EN 55014-1:2017+A11:2020
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013
EN IEC 63000:2018

CE Winnenden, 2020-11-11



Alexander Krug / Managing Director
Authorized to compile the technical file
Techtronic Industries GmbH
Max-Eyth-Straße 10, 71364 Winnenden, Germany

GB-DECLARATION OF CONFORMITY

We declare as the manufacturer under our sole responsibility that the product described under „Technical Data" fulfills all the relevant provisions of the following Regulations
S.I. 2012/3032 (as amended), S.I. 2008/1597 (as amended),
S.I. 2016/1091 (as amended) and that the following designated standards have been used:

BS EN 62841-1:2015
EN 62841-2-5:2014
EN 55014-1:2017+A11:2020
BS EN 55014-2:2015
BS EN 61000-3-2:2014
BS EN 61000-3-3:2013
BS EN IEC 63000:2018

Winnenden, 2020-11-11



Alexander Krug / Managing Director
Authorized to compile the technical file
Techtronic Industries GmbH
Max-Eyth-Straße 10, 71364 Winnenden, Germany

MAINTENANCE

Always disconnect the plug from the socket before carrying out any work on the machine.

Be sure to disconnect the tool from the power supply before attaching or removing the saw blade.

Clean tool and guarding system with dry cloth.

Certain cleaning agents and solvents are harmful to plastics and other insulated parts.

The ventilation slots of the machine must be kept clear at all times.

Remove dust regularly. Remove the sawdust which has accummulated inside the saw in order to avoid the risk of fire.

Keep the apparatus handle clean, dry and free of spilt oil or grease.

Check the function of guards.

Regular maintenance and cleaning provide for a long service life and safe handling.

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

Remove dust regularly. Remove the sawdust which has accummulated inside the saw in order to avoid the risk of fire.

Use only Milwaukee accessories and Milwaukee spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/service addresses).

If needed, an exploded view of the tool can be ordered. Please state the Article No. as well as the machine type printed on the label and order the drawing at your local service agents or directly at: Techtronic Industries GmbH, Max-Eyth-Straße 10, 71364 Winnenden, Germany.

SYMBOLS


CAUTION! WARNING! DANGER!


Please read the instructions carefully before starting the machine.


Always wear goggles when using the machine.


Wear ear protectors!


Wear a suitable dust protection mask.


Wear gloves!


Always disconnect the plug from the socket before carrying out any work on the machine.


Accessory - Not included in standard equipment, available as an accessory.


Class II tool. Tool in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions, such as double insulation or reinforced insulation, are provided. There being no provision for protective earthing or reliance upon installation conditions.


Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.


Rotation direction

n_0 No-load speed

V Voltage


AC Current


European Conformity Mark


British Conformity Mark


Ukraine Conformity Mark


EurAsian Conformity Mark



Copyright 2020

Techtronic Industries GmbH
Max-Eyth-Straße 10
71364 Winnenden
Germany
+49 (0) 7195-12-0
www.milwaukeetool.eu

Techtronic Industries (UK) Ltd
Fieldhouse Lane
Marlow Bucks SL7 1HZ
UK

(11.20)
4100 4252 27