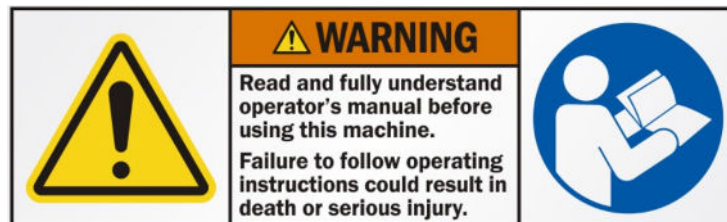




U.S.SAWS MC-45 OPERATING MANUAL



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06-29-2022



INTRODUCTION & SPECIFICATIONS

1.0 INSTRUCTIONS FOR USE OF MANUAL SECTIONS

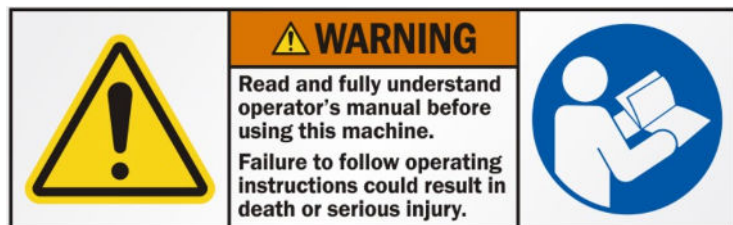
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Foreword/Introduction

The owner's manual is intended to point out some of the basic safety situations that maybe encountered during the normal operation & maintenance of the U.S.SAWS MC-45 Machine & to instruct you in safety practices for dealing with these conditions. Keep all manuals provided with your machine in a safe place at all times.

The information and specifications included in this publication were in effect at the time of approval for printing. U.S.SAWS reserves the right, however, to discontinue or change specifications or design at any time without notice and without incurring any obligation.

The MC-45 is a concrete milling machine used for cutting out spalled joints and other applications where concrete needs to be removed. The MC-45 will remove up to 1-1/2 inches deep and 1-1/2 inches in width in one pass and can utilize a variety of blade and spacer combinations. The MC-45 uses a 15 amp Metabo gear reduction grinder and can effectively remove 1" wide by 1/2" deep at 2 feet per minute. This machine is designed with a heavy duty steel frame and a unique wheel configuration to roll over existing cuts and joints.



Read this entire operations and maintenance manual before using your new tool. Pay close attention to the Rules for safer operation,

Dangers, Warnings and Cautions.

The purpose of safety symbols and explanations are to attract your attention to possible hazards and how to avoid them. The safety symbols and explanations do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.



DANGER: Indicates an imminently hazardous situation that if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.



WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION: Indicates a potentially hazardous situation that, if not avoided may result in minor or moderate injury. It may also be used to alert against unsafe practices that may cause property damage.

2.0 SPECIFICATIONS

Model	MC-45
Part Number	SX45000
Description	Milling Machine
Blade Size	4", 4.5", 5"
Max Cutting Depth	1 1/2"
Arbor	7/8"
RPM	5,000
Power Requirements	120V (15 AMP - 20 AMP)
Power Source	Metabo 15 AMP
Wheel	2 1/2" Poly Wheels
Weight	34 lb



SYMBOLS & DECALS

3.0 SYMBOLS & DECALS

For Safe Operation

You must be qualified for safe operation of the U.S.SAWS MC-45 walk behind machine. You must clearly understand the written instructions supplied by U.S.SAWS, be trained - including actual operation - & know the safety rules & regulations for the job site. It is a safety practice to point out & explain safety signs & practices to others & to make sure they understand the importance of following these instructions.

Be Safe

Human error is the result of many factors: carelessness, fatigue, sensory overload, preoccupation, unfamiliarity with the machine or attachments, or drugs or alcohol, to name a few. You can avoid serious injury or death caused by these & other unsafe work practices. Be safe and never assume accidents cannot happen to you.

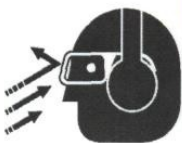
For your safety and the safety of others, act safely and encourage your fellow workers to act safely as well.



Read and understand operator's manual before using this machine. Failure to follow operating Instructions could result in injury or damage to equipment.



Use only diamond blades (steel centered diamond cutting-off wheels) with this machine. RPM rating on blade must exceed machine max rpm rating. The use of any other blade could result in death or serious injury.



Flying debris and loud noise hazards. Wear ear and eye protection



Exhaust contains poisonous carbon monoxide gas. Breathing it could cause death. Operate machine in well ventilated area.



AVOID INJURY.

Do NOT operate with guard removed. Replace guard before operating machine.



Wear safety boots when operating this machine



Wear appropriate clothing



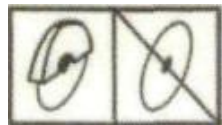
Wear Head Protection, breathing protection, and the use of hearing protection is mandatory



Wear hand protection



Wear proper electrostatic grounding equipment at all times. Static discharge during fueling can cause explosion



Keep all guards in place



Rotating blade hazard. Do NOT operate with guard up. Keep hands and feet away.



TO AVOID INJURY.

Always inspect saw blades before use. Replace all cracked or damaged blades.



SAFETY INSTRUCTIONS

4.0 SAFETY INSTRUCTIONS

4.1 KNOW THE RULES & YOUR EQUIPMENT.

Most job sites have rules governing equipment use & maintenance. Before starting at a new work location, check with the supervisor or safety coordinator. Ask about any rules or regulations you need to abide.

OSHA enforces federal laws within the United States that apply to the safe operation, application, & maintenance of equipment on job sites. It is the employer's responsibility to comply with these laws.

Do not operate this machine unless you have read the operations and maintenance manual carefully.

4.2 RECEIVE PROPER TRAINING.

Do not operate this machine unless you have received operational and maintenance training from a U.S.SAWS representative or from an authorized distributor for U.S.SAWS.

4.3 PROTECT YOUR FEET.

Observe all applicable local, state and federal safety regulations. Wear OSHA approved foot protection.

4.4 PROTECT YOUR EYES.

Observe all applicable local, state and federal safety regulations. Wear OSHA approved safety glasses.

4.5 PROTECT YOUR LUNGS.

Breathable silica may be generated by use of this product. Silica can cause severe and permanent lung damage, cancer, and other serious diseases. Do not breathe the dust. Do not rely on your sight or smell to determine if the dust is in the air. Silica may be in the air without a visible dust cloud. If air monitoring equipment for silica is not provided by your employer at your work site, you **MUST** wear appropriate respiratory protection when using or servicing the machine. Consult your employer and OSHA regarding the appropriate respiratory protection.

4.6 PROTECT YOUR HEARING.

Observe all applicable local, state and federal safety regulations. Wear OSHA approved hearing protection.

4.7 DRESS PROPERLY.

Do not wear loose clothing or jewelry that can be caught in moving parts. Wear protective hair covering to contain long hair. Keep hair away from motor air vent. Rubber gloves and non-skid footwear are recommended when working outdoors.

4.8 AVOID A DANGEROUS ENVIRONMENT.

Do not expose machine to rain. Do not use machine in wet conditions. Water entering a power tool will increase the risk of electric shock. Keep work area well lit. When working at an elevated location, pay attention to articles and persons below. If operating the power tool in damp locations is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply. Use of an GFCI reduce the risk of electric shock.

4.9 ELECTRICAL SAFETY

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. Avoid body 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.

4.10 ELECTRICAL CORD MANAGEMENT

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. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

4.11 AVOID ANY AREAS OR ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

Do not operate in areas where exhaust fumes could accumulate without wearing appropriate respiratory protection. Consult your employer and OSHA regarding use of appropriate respirator for dangerous carbon monoxide gases.

4.12 KEEP WORK AREA CLEAN. DO NOT RUN OVER ANYTHING.

Loose objects could be thrown from crack. Make sure area to be cut is clear from people and any loose objects, nuts, bolts, etc. Never run over any loose objects.

4.13 KEEP CHILDREN AND VISITORS AWAY.

Do not allow anyone to stand in line with the blade path. Do not let children or visitors contact machine or extension cord. Keep children and visitors away from the work area.

4.14 KEEP FIRM GRIP ON MACHINE.

During normal operation as instructed in Section 6.0, keep a firm hold on the handle grips and maintain control of the machine until the blade completely stops.

4.15 SHUT OFF MACHINE.

When not in use, before servicing and when changing accessories shut off motor. Release the lever switch and move the on/off switch to the OFF position. Move the fuel valve lever to the OFF position.

4.16 STORE IDLE EQUIPMENT.

The machine and tools should be stored in a dry and secure location when not in use. Keep equipment out of reach of children.

4.17 OBTAIN SAFETY DATA SHEET (SDS) FOR ALL WORK SURFACE MATERIALS.

This includes primers, all coatings, adhesives, tile and crack filling materials, etc. Do not attempt to cut, clean out or remove material without SDS information. Consult SDS sheet for hazards information. Be aware that some materials are explosive as a dust.



SAFETY INSTRUCTIONS

4.18 DO NOT OVERREACH.

Keep proper footing and balance at all times.

4.19 MAINTAIN MACHINE WITH CARE.

Keep machine clean and follow maintenance procedures for better and safer performance. Keep handles dry, clean, and free from oil and grease. Follow instructions for lubricating and changing accessories.

4.20 REMOVE ADJUSTING TOOLS.

Form a habit of checking to see that tools such as adjusting wrenches are removed from the machine and properly stored before starting the motor.

4.21 STAY ALERT.

Watch what you are doing. Use common sense. Do not operate machine when you are tired or fatigued.

4.22 DO NOT USE DRUGS, ALCOHOL, MEDICATION.

Do not operate machine while under the influence of drugs, alcohol, or any medication.

4.23 KEEP THE RIGHT PARTS IN THE RIGHT POSITIONS.

Do not operate machine with parts missing or improperly mounted.

4.24 CHECK DAMAGED PARTS.

Verify all parts are in good condition and will function properly before using the machine. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect machine operation. Do not operate machine if lever or motor on/off switch does not function properly.

4.25 SECURELY MOUNT ACCESSORIES TO THE MACHINE.

Extra care must be taken at an elevated location to prevent injury to someone on a lower level in the event the tool or accessory should drop. Do not operate without fall protection for operator and debris protection for public.

4.26 NEVER TOUCH THE MOVING PARTS.

Never touch moving parts such as blades, belts and others.

4.27 STOP OPERATION IMMEDIATELY IF ANY ABNORMALITY IS DETECTED.

Stop using machine immediately if any abnormalities are observed during operation. Examples of abnormalities include unusual noise and vibration.

4.28 WHEN REPLACING A PART, USE THE SAME TYPE AND QUALITY.

When replacing a component part with a new one, use only the same type and quality of new part. Never attempt to repair a machine if you are unfamiliar with proper procedures and techniques required.

4.29 LOAD AND UNLOAD SAFELY.

Use proper heavy lifting procedures. Read & understand manuals before loading & unloading.

4.30 SAVE THESE INSTRUCTIONS.

Refer to this operations and maintenance manual as well as any additional instructions included from other manufacturers and organizations such as the Masonry and Concrete Saw Manufacturers Institute®. Never permit anyone to operate the machine without proper instructions.



DUST WARNING

Cutting, especially when DRY cutting, generates dust that comes from the material being cut, which frequently contains silica.

Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Exposure to excessive amount of such dust can cause:

- Respiratory diseases (affecting your ability to breath), including chronic bronchitis, silicosis and pulmonary fibrosis from exposure to silica. These diseases may be fatal;
 - Skin irritation and rash; and
 - Cancer according to NTP* and IARC*
- * National Toxicology Program, International Agency for Research on Cancer

Take precautionary steps

- Avoid inhalation of and skin contact with dust, mist and fumes;
- Wet cut when feasible, to minimize dust;
- Wear and ensure that all bystanders wear appropriate respiratory protection such as dust masks designed to filter out microscopic particles. (See OSHA 29 CFR Part 1910.1200)

California Prop 65 Warning: Use of this product can cause exposure to materials known to the State of California to cause cancer and/or birth defects or other reproductive harm.



PRE-OPERATION CHECKLIST

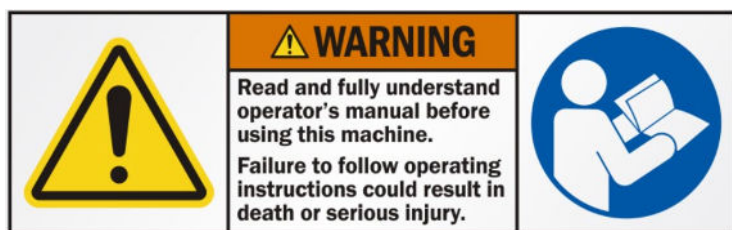
5.0 PRE-OPERATION CHECKLIST



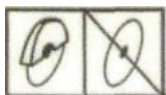
Read and understand operator's manual before using this machine. Failure to follow operating instructions could result in injury or damage to equipment.

Figure 1 - Warning label - read and understand manual

5.1 Start by reading the entire Owner's Manual, Rx for Diamond Blade Safety, and Rx for Concrete Saws by the Masonry and Concrete Saw Manufacturers Institute. Then, read the entire MC-45 operations and maintenance manual. Get familiar with the machine's parts. See Figure 1 through Figure 32.



TO PREVENT SERIOUS INJURY DO NOT OPERATE SAW WITHOUT PROPER TRAINING AND. UNDERSTANDING OF THE OWNERS MANUAL WHEN OPERATING THIS MACHINE



Keep all guards in place



Wear Head Protection, breathing protection, and the use of hearing protection is mandatory



Flying debris and loud noise hazards. Wear ear and eye protection



Wear hand protection



WARNING: Improperly maintaining the MC-45 failing to correct a problem before operation could cause a malfunction resulting in a serious injury. Always perform a pre-operation inspection before each operation and correct any problem.

5.2 Observe the condition of your work environment. Walk over area work area and look for hazards. Make sure the work environment is safe and meets all safe-working conditions discussed in section 4, Rules for safer operation.

5.3 Obtain SAFETY DATA SHEET (SDS) for all work surface materials. This includes primers, all coatings, adhesives, tile and crack filling materials, etc. Do not attempt to cut, clean out, or remove material without SDS information. Consult SDS sheet for health hazards information.



WARNING: The U.S.SAWS MC-45 maximum blade operating speed is 5000 rpm. Do not use a blade that is not a dry cut diamond blade. Using a non dry cut diamond blade or a blade rated below 5000 rpm could result in severe blade failure, personal injury or death. See Figure 8 and Figure 9. Never cut material for which the blade was not designed. Check blade manufacturer's guidelines on material to be cut. Never operate a blade in the wrong rotation direction. Verify blade direction when changing blades. The U.S.SAWS MC-45 is designed to cut in a straight line. Never attempt to cut any pattern or follow any joint that is not a straight line. This tool reduces the maximum speed of blade to create more cutting power and reduce amperage draw. Most 4", 4.5", 5 " blades will have ratings up to 10,000 RPM. Because of this speed change be sure to use recommend blades from U.S.SAWS for consistent cutting results.

5000 MAX. RPM

Figure 8 - Max rpm label - maximum blade speed

5.4 Choose the proper dry cut diamond blade for the application, speed and material to be cut. See Figure 9.



Use only diamond blades (steel centered diamond cutting-off wheels) with this machine. RPM rating on blade must exceed machine max rpm rating. The use of any other blade could result in death or serious injury.

Figure 2 - Warning label - use only diamond blades

5.5 Clearly mark all intended cut areas with straight paint or chalk lines.



CAUTION: Running the MC-45 generates heat in the motor, blade. Do not touch these components without wearing proper heat protecting work gloves.



PRE-OPERATION CHECKLIST

5.6 Remove bolt in the blade guard holding bracket. Hold the blade guard firmly and raise guard up into the holding bracket. Reinsert bolt in the blade guard holding bracket and tighten nut.



TO AVOID INJURY.

Always inspect saw blades before use. Replace all cracked or damaged blades.

Figure 3 - Warning label - inspect blades before use



Figure 4 - Blade Guide

The right side edge of the dolly frame will serve as your blade guide. This edge will line up with the innermost blade. The outer edge of the cut will be determined by how many blades/spacers are being used. (6) blades using (5) medium .125 spacers will leave a cut approximately 1" wide.



Figure 5 - MC-45 bottom view



CAUTION: The blade depth is approximate and not exact. Many variables affect the exact blade depth such as the exact diameter of a worn diamond blade. If an accurate depth must be cut, install the blade to be used with the motor in the OFF position. Place the MC-45 in a secure position that allows the blade to overhang and be visibly measured at full blade depth. An example would be blocking the wheels with the motor in the OFF position and lowering the MC-45 blade along side a street curb. This will allow a measurement from the bottom of the blade to the top of the curb.



WARNING: Breathable silica may be generated by use of this product. Silica can cause severe and permanent lung damage, cancer, and other serious diseases. Do not breath the dust. Do not rely on your sight or smell to determine if the dust is in the air. Silica may be in the air without a visible dust cloud. If air monitoring equipment for silica is not provided by your employer at your work site, you **MUST** wear appropriate respiratory protection when using or servicing the machine. Consult your employer and OSHA regarding the appropriate respiratory protection.



PRE-OPERATION CHECKLIST

5.7 Check for missing or loose bolts. Tighten loose bolts and re-place missing bolts before operating machine. Verify that blade guards are in place. Never operate a MC-45 without guards in place.



5.8 **WARNING:** If you can see the diamond blade, the guards are not in place. Never operate a MC-45 without guards in place. The proper position for the blade guard is down touching the horizontal surface.

5.9 Dress properly. Wear ear and eye protection. See sections 4.3 through 4.7. See Figure 16



5.10 **WARNING:** TO PREVENT SERIOUS INJURY DO NOT OPERATE SAW WITHOUT PROPER TRAINING.



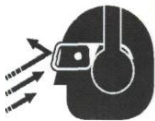
Rotating blade hazard.
Do NOT operate with guard up.
Keep hands and feet away.

Figure 6 - Warning label - do not operate with guard removed



AVOID INJURY.
Do NOT operate with guard removed.
Replace guard before operating machine.

Figure 7 - Warning label - do not operate with guard up



Flying debris and loud noise hazards. Wear ear and eye protection



Wear appropriate clothing

Figure 8 - Warning label - wear proper clothing, ear and eye protection



WARNING: Recommended accessories for this tool including blades are listed in this manual or are available by calling customer service. The use of any other attachment or accessory might be hazardous

5.11 MC-45 premium dry cut diamond blades

U.S.SAWS recommends soft blond blades for use with the MC-45. Blades can be used in a variety of sizes and spacing options up to 1.5" wide.

4" Blades Part #:TNA04100DF

4.5" Blades Part #: TNA045100DF

5" Blades Part #: TNA05100DF

Blade set up:

Remove the outer blade nut. Leave the inner blade shaft in place. Place the first blade onto the shaft of the inner blade shaft. Next, place the desired thickness spacer on the blade shaft on top of the blade. Repeat the process until the desired width is achieved. Make sure there's enough spacers in place to allow the outer blade nut to clamp down firmly on the blade stack.



OPERATION

6.0 OPERATIONS

6.1 Follow all pre-operating instructions in section 5.0.

6.2 The machine should be unplugged from electricity before starting this operation.



WARNING: Never attempt to start the motor with the diamond blade inserted in a joint or previous cut. The blade will turn as soon as the MC-45 is started. This could damage the blade or cause the MC-45 to jump backwards.



WARNING: If the blade you are using has a “5/8-7/8” knockout (brass bushing), remove it so that the arbor of the blade is set at 7/8”

6.3 Ensure the proper direction of the blade being used. This machine rotates the blade in an up-cut rotation which is counterclockwise.

6.4 Insert the shank of the Blade nut through the spacers and blade and thread onto the shaft of the grinder and tighten the nut with moderate force. Over tightening will cause problems when it's time to change the blade.



WARNING: Do not twist the blade in the cut. Never attempt to cut any pattern or follow any joint that is not a straight line. Do not force the blade forward. These actions could damage the blade and MC-45 unit.

VACUUM HOSE ATTACHMENT:

6.5 The tool is equipped with a 1” port and is supplied with a 2” expansion cuff for most 2” hoses. The hose is meant to have a snug fit to prevent it from falling off during normal operation. *Cold weather will make the hose more difficult to slip over the vacuum port.



WARNING: Beware that after releasing the trigger, the blade will continue spinning for several seconds. Keep a firm hold on the handle grips and maintain control of the machine until the blade completely stops.

6.6 This machine is intended to be used with a vacuum with 200cfm or more at all times. There is no instance where this machine should be used without a vacuum or with water.

SETTING THE BLADE DEPTH

6.7 The accurate way: Lay the saw on its side in the same position you would to change the blade. Using depth lock handle loosen so that the blade and tool slide freely in adjustment slots. Lower the blade until it is approximately where you want it. Measure with a tape measure or ruler to confirm the depth you want. Then lock the adjustment lever.

6.8 The quick way: With the saw “off”, lower the blade on a flat surface lifting the front wheels off the ground. The distance between the bottom of the wheel and the ground will be the approximate depth of cut +/- 1/8”.



WARNING: It is important to verify the depth of cut immediately after starting, and periodically during the job. If you are cutting deeper than you planned, you will use a lot more joint fill material than you had intended.



OPERATION

LINING UP THE BLADE WITH THE CUT

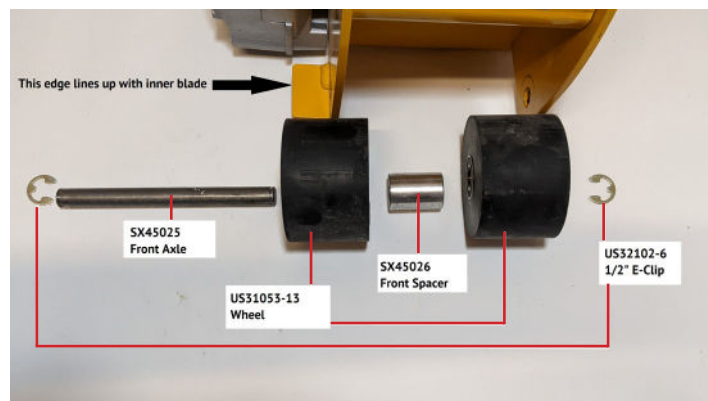
6.9 The inner most blade position (closest to motor) is naturally aligned with the edge of the yellow rolling frame along the right hand side. This makes overlap and cutting on chalk lines extremely easy.

OPERATING THE SAW:

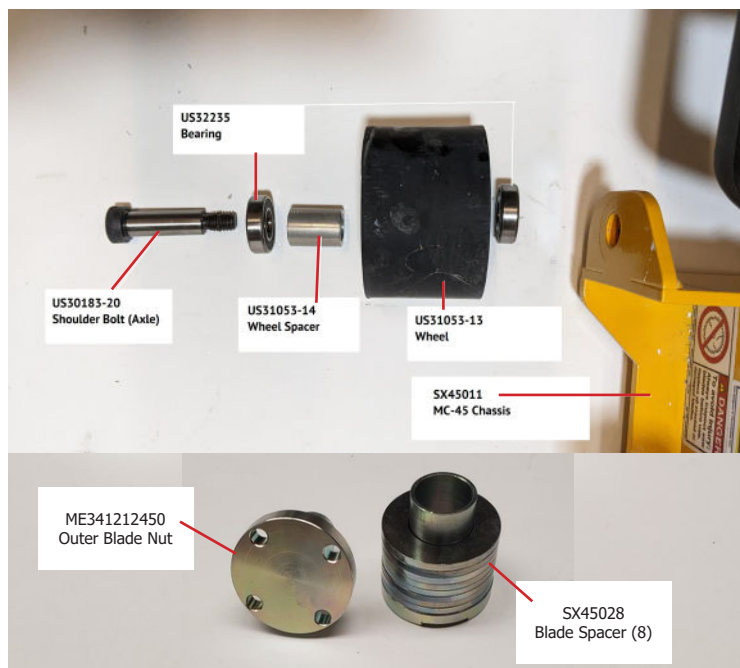
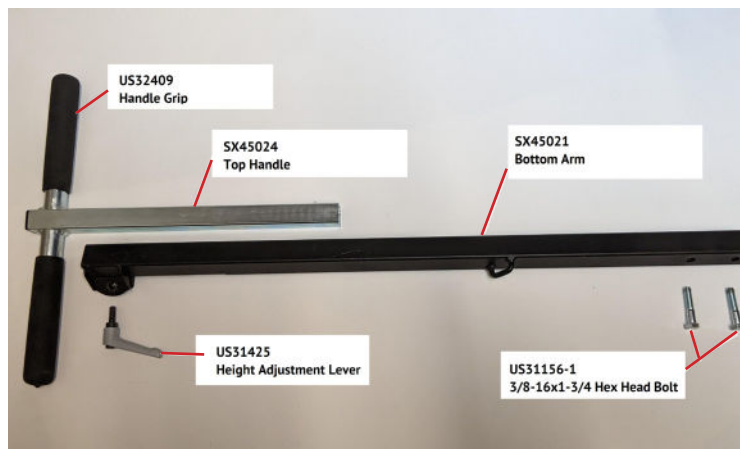
6.10 Open Joint: Lower the blade to the desired depth into the open joint with the saw "off." Move the saw forward and backward to align the blade with the joint. Carefully, and without moving the position of the saw, raise the blade just above the surface. With the other hand, turn the saw on and lock the trigger. Slowly lower the blade into the joint. Once the blade is at it's full depth, use two hands and guide the saw through the joint. The blade will follow the path of least resistance and therefore follow the joint with minimal effort. Tip: There may be some dust escaping through the front of the joint upon entry or if the joint is relatively clean to begin with. If this is the case and total dust control is necessary, it may be helpful to sweep some dry sand into the joint before running the saw through it. The sand will block the dust and direct it upward into the vacuum port and the blade will easily remove the sand.

6.11 Filled Joint: Line the blade up with the joint fill material to be removed, turn the saw on, and slowly lower the blade into the cut. The saw will be forced back toward the operator until the blade is at full depth. Do not force the saw forward. Let the rpm of the saw stay high and let the blade do the cutting. Forcing the blade will cause excessive heat and may make cutting slower. The saw must be guided in an accurate and skillful manner as to keep the saw in the joint fill material and not wander off into the concrete. This is especially important when removing polyurea.

6.12 Finishing a cut: When the operator gets to a wall or other termination point, with the blade still in the "down" position, shut the saw off and wait for the blade to stop. Retract the blade and move to the next cut and repeat the process. It is not recommended to tip the saw back on it's rear wheels while the saw is still on and the blade is spinning. This is especially important on polished concrete floors to prevent accidental damage to the floor surface. Note: Careful setup of blade stack, depth, material, and other factors will influence the saws



MC-45 HANDLE ASSEMBLY:



OTHER INFORMATION:

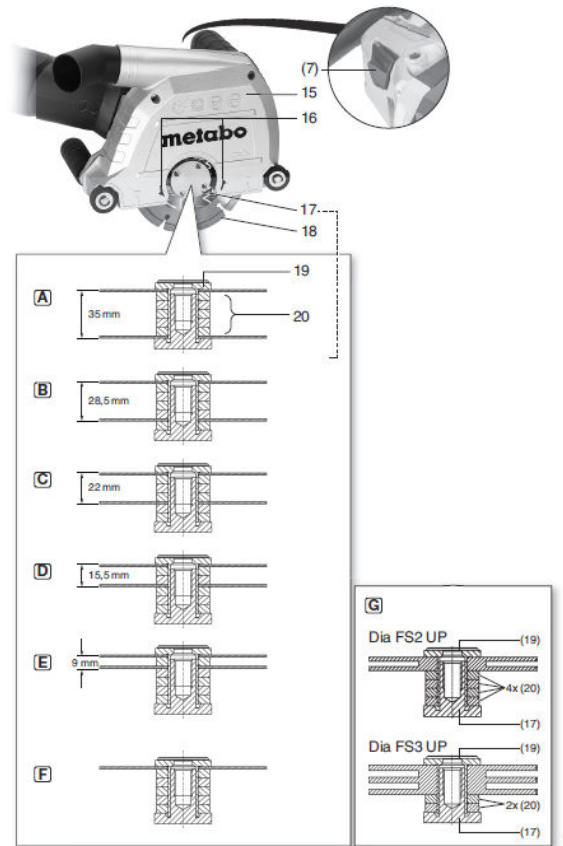
- 6.13** Use the shortest, heaviest gauge extension cord possible for your job. The longer the cord, the more power will be lost. The thinner the cord, the more heat will be generated and will eventually end up damaging the motor.
- 6.14** Keep the machine clean.
- 6.15** Don't get the machine wet
- 6.16** Clean dust out of the threads of the blade nuts before tightening.
- 6.17** Periodically check nuts and bolts for tightness
- 6.18** Familiarize yourself and your employees with the machine and it's intended manner of use before using it.
- 6.19** Bring a variety of thickness of blade with you to every job.
- 6.20** Bring a good set of tools to every job.




PARTS BREAKDOWN



PARTS BREAKDOWN



		MFE 40 Serial-Number: 04040..
D	" (mm)	5 (125)
B	" (mm)	$\frac{3}{8}, \frac{5}{8}, \frac{7}{8}, 1 \frac{1}{8}, 1 \frac{3}{8}$ (9,0 / 15,5 / 22,0 / 28,5 / 35,0)
T	" (mm)	$\frac{3}{8} - 1 \frac{5}{8}$ (10 - 40)
I_{120V}	A	15
P₁	W	1700
P₂	W	950
n	/min	5000
m	lbs (kg)	10.1 (4,6)
a_n/K_n	m/s ²	5,5 / 1,5
L_{pA}/K_{pA}	dB(A)	100,3 / 3
L_{WA}/K_{WA}	dB(A)	111,3 / 3



OPERATIONS BREAKDOWN

Operating Instructions

1. Specified Conditions of Use

The wall chaser is designed for cutting or slitting channels (chasing) in primarily mineral based materials such as reinforced concrete, masonry and paving, while firmly supported on the level surface, without water.

Do not use bonded abrasive cut-off wheels or grinding discs. Use only diamond cut-off wheels.

Materials that generate dusts or vapours that may be harmful to health must not be processed.

The user bears sole responsibility for any damage caused by inappropriate use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

2. General Safety Information



For your own protection and for the protection of your electrical tool, pay attention to all parts of the text that are marked with this symbol!



WARNING – Reading the operating instructions will reduce the risk of injury.

Pass on your electrical tool only together with these documents.

General Power Tool Safety Warnings



WARNING – Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference! The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

2.1 Work area safety

a) **Keep work area clean and well lit.** Cluttered or 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 the dust or fumes.

c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2.2 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 body 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. Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating a power tool in a damp location is unavoidable,** use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

2.3 Personal safety

a) **Stay alert, watch 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) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) **Prevent unintentional starting.** Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) **If devices are provided for the connection of dust extraction and collection facilities,** ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

2.4 Power tool use and care

a) **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.



OPERATIONS BREAKDOWN

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

2.5 Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

3. Special Safety Instructions

3.1 Cut-off machine safety warnings

a) The guard provided with the tool must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. Position yourself and bystanders away from the plane of the rotating wheel. The guard helps to protect operator from broken wheel fragments and accidental contact with wheel.

b) Use only bonded reinforced or diamond cut-off wheels for your power tool. Just because an accessory can be attached to your power tool, it does not assure safe operation.

c) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.

d) Wheels must be used only for recommended applications. For example: do not grind with the side of cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.

e) Always use undamaged wheel flanges that are of correct diameter for your selected wheel. Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage.

f) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.

g) The arbour size of wheels and flanges must properly fit the spindle of the power tool. Wheels and flanges with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

h) Do not use damaged wheels. Before each use, inspect the wheels for chips and cracks. If power tool or wheel is dropped, inspect for damage or install an undamaged wheel. After inspecting and installing the wheel, position yourself and bystanders away from the plane of the rotating wheel and run the power tool at maximum no load speed for one minute. Damaged wheels will normally break apart during this test time.

i) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

j) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken wheel may fly away and cause injury beyond immediate area of operation.

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

l) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning wheel.

m) Never lay the power tool down until the accessory has come to a complete stop. The spinning wheel may grab the surface and pull the power tool out of your control.

n) Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.

o) Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing



OPERATIONS BREAKDOWN

and excessive accumulation of powdered metal may cause electrical hazards.

p) **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.

q) **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

3.2 Kickback and related warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel. Pinching or snagging causes rapid stalling of the rotating wheel which in turn causes the uncontrolled power tool to be forced in the direction opposite of the wheel's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

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

a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces.** Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.

b) **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.

c) **Do not position your body in line with the rotating wheel.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.

d) **Use special care when working corners, sharp edges etc.** Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

e) **Do not attach a saw chain, woodcarving blade, segmented diamond wheel with a peripheral gap greater than 10 mm or toothed saw blade.** Such blades create frequent kickback and loss of control.

f) **Do not "jam" the wheel or apply excessive pressure.** Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.

g) **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop.** Never attempt


to remove the wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding.


h) **Do not restart the cutting operation in the workpiece.** Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.


i) **Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.


j) **Use extra caution when making a "pocket cut" into existing walls or other blind areas.** The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.


3.3 Additional Safety Instructions:

 **WARNING** – Always wear protective goggles.

 Wear a suitable dust protection mask.

 Use only diamond cut-off wheels.

 Do not use bonded discs.

 **WARNING** – Always operate with two hands.



Always push the machine in the stipulated direction through the material to be processed! See arrow (11) on the guard. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.

Ensure that the place where you wish to work is free of power cables, gas lines or water pipes (e.g. check using a metal detector).

The workpiece must lay flat and be secured against slipping, e.g. using clamps. Large workpieces must be sufficiently supported.

The diamond cut-off wheels must fit without play in relation to the support flange. Do not use adapters or reducers.

Diamond cut-off wheels must be stored and handled with care in accordance with the manufacturer's instructions.

Ensure that the diamond cut-off wheels are installed in accordance with the manufacturer's instructions.

Use elastic cushioning layers if they have been supplied with the grinding media and if required.



OPERATIONS BREAKDOWN

Ensure the sparks emitted during use do not pose any risk, for example, to the user or other personnel and are not able to ignite inflammable substances. Areas at risk must be protected with flame-resistant covers. Always keep a fire extinguisher on hand when working in areas prone to fire risk.

The diamond cut-off wheels continue running after the machine has been switched off.

Always wear protective goggles, dust mask, gloves, ear protectors and sturdy shoes when working with this tool.

Damaged, eccentric or vibrating tools must not be used.

Avoid damage to gas or water pipes, electrical cables and load-bearing walls (static).

Pull the plug out of the socket before making any adjustments, converting or servicing the machine.

A damaged or cracked side handle must be replaced. Never operate the machine with a defective side handle.

A damaged or cracked safety guard must be replaced. Never operate a machine with a defective safety guard.

Do not switch on the tool if parts or guard devices are missing or defective.



Reducing dust exposure:

Use a suitable extraction unit.

Reduce dust exposure with the following measures:

- Do not direct the escaping particles and the exhaust air stream at yourself or nearby persons or on dust deposits.
- Use an extraction unit and/or air purifiers.
- Ensure good ventilation of the workplace and keep it clean using a vacuum cleaner. Sweeping or blowing stirs up dust.
- Vacuum or wash protective clothing. Do not blow, beat or brush.

Additional Warnings:

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SYMBOLS ON THE TOOL:



..... Class II Construction

V volts

A amperes

Hz hertz

~ alternating current

n rated speed

./min .. revolutions per minute

rpm revolutions per minute

4. Overview

See page 2-3.

- 1 Lock
- 2 Trigger
- 3 Scale for depth of cut
- 4 Clamping lever for setting cutting depth
- 5 Electronic signal indicator
- 6 Marking (serves as cutting indicator of the first diamond disc)
- 7 Spindle locking button
- 8 Extraction nozzle for dust extraction
- 9 Support wheels
- 10 Markings show the cutting edges of the diamond cutting discs with maximum cutting depth
- 11 Arrow shows the specified thrust direction. The machine must be pushed through the material to be processed in this direction.
- 12 first handle
- 13 second handle
- 14 2-hole spanner
- 15 Safety cover
- 16 Arrows show the direction of rotation of the diamond cutting discs
- 17 Clamping nut
- 18 Diamond cutting disc
- 19 Clamping flange
- 20 Spacer rings

5. Initial Operation

5.1 Mains connection

⚠ Before commissioning, check that the rated mains voltage and mains frequency, as stated on the type plate match your power supply.

⚠ Always install an RCD / GFCI with a maximum trip current of 30 mA upstream.

⚠ Pay attention to a possibly short feed line and a large line cross-section of the mains cable.

5.2 Use / change diamond cut-off wheels, set groove width

⚠ Switch off the machine. Disconnect the mains plug!

⚠ Caution! Never press the locking button (7) when the machine is running (nor when it is slowing down)!

⚠ Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation. (See chapter 10.)




OPERATIONS BREAKDOWN

See fig. , page 3.

- Set max. cutting depth (see chapter 5.3).
- Press the spindle locking button (7), (with the other hand) rotate the front diamond cut-off wheel (18) slowly until the spindle locking button engages perceptibly and
- with the pressed spindle locking button (7) unscrew the clamping nut (17) with the supplied 2-hole spanner (anti-clockwise).

The clamping flange (19) must always be fitted onto the spindle with the sheath facing out (as shown in the pictures (A) – (F)). Pay attention that the clamping flange (19), in relation to the spindle, cannot be turned.

 **Fit the diamond cut-off wheels and pay attention to the correct direction of rotation.** The direction of rotation is specified by arrows (16) on the diamond cut-off wheels and on the guard (15).

Arrangement of the spacer rings (20) and the diamond cut-off wheels (according to desired groove width) as in the pictures (A) – (E).


Note: Using the machine with only one diamond cut-off wheel:

If you remove the front diamond cut-off wheel and leave only the rear wheel on the machine, the wall chaser is then suited for cutting through materials (e.g. tiles). (See page 3, fig. F.).

Note: (see page 3, fig. G.) Use of the machine with a diamond cutting disc (see chapter 10. accessories):

To be able to attach the diamond cutting disc, you must remove the clamping flange (19) from the spindle and remove from the guard (15). Now put the diamond cutting disc on the clamping flange (19), insert from below into the guard and put onto the spindle. Pay attention that the clamping flange (19), in relation to the spindle, cannot be turned. Put on spacer rings (20) as shown in image (G).

Lock the spindle by pressing the spindle locking button (7) and tighten the clamping nut (17) with the two-hole wrench (14) (clock-wise direction).

 **Carry out a test run:** Set min. cutting depth (see chapter 5.3). Position yourself and bystanders away from the plane of the rotating wheel and run the power tool at maximum no-load speed for one minute. *Damaged wheels will normally break apart during this test time. Stop immediately if significant vibrations occur or if other defects are noted. If such a situation occurs, check the machine to determine the cause.*


5.3 Setting cutting depth


After undoing the clamping lever (4) you can set the desired cutting depth using the scale (3).

Retighten the clamping lever (4).

Note: If required, the position / the clamping force of the clamping lever (4) must be changed. To do this, pull out the lever a bit, turn the lever and lower again (see fig. A, page 2).

5.4 Attaching the dust extraction

 **Caution!** Never work without a dust extraction device. Dusts can be harmful to health!

 **Never work without a dust extraction device.** The motor can quickly choke on stone dust.


Use a suitable Metabo vacuum cleaner.


Use only anti-static suction hoses.


To extract the stone dust generated when working with the wall chaser, put the suction hose 631370000 (4 m) onto the extraction nozzle (8).


6. Use


6.1 Switching on and off

 Always guide the machine with both hands.

 Switch on first, then guide the accessory towards the workpiece.

 Avoid inadvertent starts: always switch the tool off when the plug is removed from the mains socket or if there has been a power cut.

 In continuous operation, the machine continues running if it is forced out of your hands. Therefore, always hold the machine with both hands using the handles provided, stand securely and concentrate.

 Avoid the machine swirling up or taking in dust and chips. After switching off the machine, only place it down when the motor has come to a standstill.

Torque activation:

Switching on: Slide the lock (1) in the direction of the arrow and press the trigger switch (2).


Switching off: release the trigger switch (2).

Continuous operation:

Switching on: Slide the lock (1) in the direction of the arrow, press the trigger switch (2) and keep it pressed. The machine is now switched on. Now slide the lock (1) in the direction of the arrow once more to lock the trigger switch (2) (continuous operation).

Switching off: Press the trigger switch (2) and release.

6.2 Working With the Wall Chaser

 Always guide the machine with both hands on the handles (12) and (13).

On the guard there are markings (6). The markings are in the extension of the rear diamond cutting disc and serve - when cutting grooves - as cutting indicator.

Place the wall chaser (with the motor switched on) with the support wheels (9) on the surface into which a groove is to be cut, and slowly guide down until the set cutting depth has been reached.

Then push the machine in cutting direction



OPERATIONS BREAKDOWN



Always push the machine in the stipulated direction through the material to be processed! See arrow (11) on the guard. *The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.*

⚠ Once the groove is complete, switch off the tool and hold it steady until the diamond cut-off wheel comes to a stop. **Never attempt to remove the cutting disc from the cut while the wheel is in motion otherwise kickback may occur.**

Remove the machine from the cut. Put the machine down on its side.

You can remove the remaining strip between the two chases with the chase extraction chisel provided.

Grooves of greater depth cannot be cut into hard material (e.g. cement) in one movement.

7. Maintenance, Cleaning

Significantly reduced work progress and increased feed force are signs for blunt diamond cut-off wheels. Sharpen blunt diamond cut-off wheels by carrying out short cuts into abrasive materials such as sand-lime brick.

It is possible that particles deposit inside the power tool during operation. This impairs the cooling of the power tool.

The power tool should be cleaned regularly, often and thoroughly through all front and rear air vents using a vacuum cleaner. Prior to this operation, separate the power tool from the power source and wear protective goggles and a dust mask.

8. Overload protection

8.1 Safety clutch

There is an automatic safety coupling built-in to the gears of the wall chaser. This protects the operator from the high torque that may, for example, occur if the diamond cut-off wheel is canted during work. The safety coupling protects and at the same time takes the strain off the motor and the gears of the machine. When the safety coupling engages, immediately switch the motor off (do not allow the coupling to drag!).

8.2 Electronic overload indicator

⚡ The electronic signal indicator (5) is on. Load of the machine is too high! Reduce the feed pressure until the electronic signal indicator goes off.

9. Troubleshooting

⚡ The machine does not start. The electronic signal indicator (5) flashes. The restart protection is active. If the mains plug is inserted with the machine switched on or if the

power supply is restored following an interruption, the machine does not start up. Switch the machine off and back on again.

10. Accessories

Use only genuine Metabo accessories.

Use only accessories that fulfil the requirements and specifications listed in these operating instructions.

Metabo diamond cut-off wheels:

Ø 125 mm, laser-welded, suitable for dry cutting, bore = 22.2 mm, for wall chaser MFE 40

Area of use Order number

for hard and medium-hard materials (e.g. concrete, including reinforced concrete) 6.24541

for abrasive materials (e.g. abrasive cement, sandstone, sand-lime brick, aerated concrete and similar) 6.24641

Metabo cutting wheels:

Diamond cutting wheel Dia FS2 UP 6.28298

Diamond cutting wheel Dia FS3 UP 6.28299

See www.metabo.com or the catalogue for a complete range of accessories.

11. Repairs

⚠ Repairs to power tools must only be carried out by qualified electricians!

A defective mains cable must be replaced only with a special, original mains cable from Metabo available from the Metabo service.

Contact your local Metabo representative if you have Metabo power tools requiring repairs. See www.metabo.com for addresses.

You can download a list of spare parts from www.metabo.com.

12. Environmental Protection

The generated grinding dust may contain harmful substances. Do not dispose with household trash; dispose of properly at a collection point for hazardous waste.

Observe the national regulations on environmentally compatible disposal and on the recycling of disused tools, packaging and accessories.

13. Technical Specifications

Explanatory notes on the specifications on page 4. Subject to change in accordance with technical progress.

D = Diameter of the diamond cut-off wheels
B = Groove width options
T = Adjustable depth of cut



OPERATIONS BREAKDOWN

I_{120V} = Current at 120 V
 P_1 = Rated input power
 P_2 = Power output
 n = Rated speed
 m = Weight without mains cable

The technical specifications quoted are subject to tolerances (in compliance with the relevant valid standards).



Emission values

These values make it possible to assess the emissions from the power tool and to compare different power tools. The actual load may be higher or lower depending on the operating conditions, the condition of the power tool or the accessories. Please allow for breaks and periods when the load is lower for assessment purposes. Arrange protective measures for the user, such as organisational measures based on the adjusted estimates.

Vibration total value (vector sum of three directions) determined in accordance with EN 60745:

a_h = vibration emission value

K_h = uncertainty (vibration)

Typical A-effective perceived sound levels:

L_{pa} = Sound-pressure level

L_{WA} = Acoustic power level

K_{pA} , K_{WA} = Uncertainty

The noise level can exceed 80 dB(A) during operation.



Wear ear protectors!



WARRANTY AND SERVICE

8.0 WARRANTY AND SERVICE

8.1.1 Warranty

This document is to be used as a guide in determining warranty policies and procedures for U.S.SAWS and its U.S.SAWS products. It is to be used in determining whether a warranty is justified and as a procedural guide in completing a U.S.SAWS warranty claim form.

8.1.2 Warranty Responsibility

The distributor or the end user must prepare a Machine Warranty Information Card when the machine is delivered. Failure to comply will make any and all warranties on this equipment null and void. Credit for warranty repairs will be given only after receipt of the WARRANTY CLAIM FORM, properly completed with all the required details. Submittal details are described later in this document.

8.1.3 Warranty Policy

8.1.3.1 U.S.SAWS warrants its U.S.SAWS products against defects in material and workmanship under normal and proper use for a period of one year (365) days from the date of delivery; in the case of Rental Fleet Machines, date of assignment to Rental Fleet. Such warranty is extended only to the buyer who purchases the equipment directly from U.S.SAWS or its authorized distributor. This warranty does not include expendable parts such as, but not limited to, plugs, cutters, blades, blast wheel, wear parts, liners and seals.

8.1.3.2 The obligation under this warranty is strictly limited to the replacement or repair, at US SAWS's option, of machines and does not include the cost of transportation, loss of operating time, or normal maintenance services.

8.1.3.3 This warranty does not apply to failure occurring as a result of abuse, misuse, negligence, corrosion, erosion, normal wear and tear, alterations or modifications made to the machine without express written consent of U.S.SAWS .

8.1.3.4 Warranty request must be submitted in writing within thirty (30) days after failure.

8.1.3.5 Written authorization to return merchandise under warranty must first be obtained from U.S.SAWS .

8.1.3.6 U.S.SAWS reserves the right to inspect and make the final decision on any merchandise returned under warranty.

8.1.3.7 U.S.SAWS offers no warranty with respect to accessories, including but not limited to, engines, motors, batteries, electrical boards, tires and any other parts not manufactured by us but which the original manufacturer warrants.

8.1.3.8 U.S.SAWS reserves the right to make product changes or improvements without prior notice and without imposing any obligation upon itself to install the same on its products previously sold.

8.1.3.9 The above warranty conditions can only be altered by US SAWS. US SAWS must confirm alterations in writing for each specific transaction.

8.1.3.10 U.S.SAWS reserves the right to establish specific warranty terms for used or demo machines on an individual transaction basis. Invoices covering such merchandise will clearly state the provisions of the applicable warranty for each specific transaction.

8.1.3.11 WE DO NOT AUTHORIZE ANY PERSON, REPRESENTATIVE OR SERVICE OR SALES ORGANIZATION TO MAKE ANY OTHER WARRANTY OR TO ASSUME FOR US ANY LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS OTHER THAN THOSE CONTAINED HEREIN.

8.1.3.12 UNDER NO CIRCUMSTANCES SHALL US SAWS BE LIABLE TO CUSTOMER OR ANY OTHER PERSON FOR ANY DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF ANY WARRANTY OR FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER, INCLUDING WITHOUT LIMITATIONS, DAMAGES FOR ANY LOSS OF GOODWILL, WORK STOPPAGE, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES.

8.1.3.13 U.S.SAWS MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE US SAWS PRODUCTS SOLD PURSUANT THERETO.



MACHINE WARRANTY INFORMATION CARD

TO ENSURE THE PROPER WARRANTY COVERAGE IS EXTENDED TO THE OWNER OF THIS MACHINE, FILL OUT THE ATTACHED CARD COMPLETELY AND ACCURATELY.

WARRANTY REGISTRATION CARD

IMPORTANT! To ensure that your U.S.SAWS machine is covered under warranty, please fill in the following information and mail or fax it to U.S.SAWS, 8004B E. Broadway Ave. Tampa, FL 33619, Fax No. (813) 621-7125

COMPANY
NAME
ADDRESS
INTENDED USE
DATE OF PURCHASE
INTENDED USE
SERIAL NUMBER

If you are not the owner of record as shown on the manual copy of the warranty registration card, do not operate this machine before contacting U.S.SAWS at 1-877-817-6687. Verify the following before operating the equipment:

CHANGE OF OWNER OR NEW ADDRESS REGISTRATION CARD

IMPORTANT! To ensure that your U.S.SAWS machine is covered under warranty, please fill in the following information and mail or fax it to U.S. SAWS, 8004B E. Broadway Ave. Tampa, FL 33619, Fax No. (813) 621-7125

COMPANY
NAME
ADDRESS
INTENDED USE
DATE OF PURCHASE
INTENDED USE
SERIAL NUMBER

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U.S.SAWS™

**SURFACE PREP
DIVISION**

P: 877-817- 6687 F: 813-621-7125
Visit us at www.ussaws.com
sales@ussaws.com

