



HOLZMANN MASCHINEN GmbH
Marktplatz 4 · A-4170 Haslach
Tel. +43 7289 71 562-0
info@holzmann-maschinen.at
www.holzmann-maschinen.at

Originalfassung

DE BETRIEBSANLEITUNG

UNIVERSAL TAUCHKREISSÄGE

Übersetzung / Translation

EN USER MANUAL

MINI PLUNGE SAW



3x tracks - total length 1,26 m



TAS89M_230V



**YOUR
JOB.
OUR
TOOLS.**



2 SICHERHEITSZEICHEN / SAFETY SIGNS

DE SICHERHEITSZEICHEN
BEDEUTUNG DER SYMBOLE

EN SAFETY SIGNS
DEFINITION OF SYMBOLS



DE **CE-KONFORM:** Dieses Produkt entspricht den EU-Richtlinien

EN **EC-CONFORM:** This product complies with EC-directives



DE

BETRIEBSANLEITUNG LESEN! Lesen Sie die Betriebs- und Wartungsanleitung Ihrer Maschine aufmerksam durch und machen Sie sich mit den Bedienelementen der Maschine gut vertraut um die Maschine ordnungsgemäß zu bedienen und so Schäden an Mensch und Maschine vorzubeugen.

EN

READ THE MANUAL! Read the user and maintenance manual carefully and get familiar with the controls in order to use the machine correctly and to avoid injuries and machine defects.



DE

WARNUNG! Beachten Sie die Sicherheitssymbole! Die Nichtbeachtung der Vorschriften und Hinweise zum Einsatz des Erdbohrers kann zu schweren Personenschäden und tödliche Gefahren mit sich bringen.

EN

ATTENTION! Ignoring the safety signs and warnings applied on the machine as well as ignoring the security and operating instructions can cause serious injuries and even lead to death.



DE

Schutzausrüstung tragen!

EN

Wear protective clothing!



DE

Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!

EN

Stop and pull out the power plug before any break and engine maintenance!



DE

Warnung vor Schnittverletzungen!

EN

Warning about cut injuries!

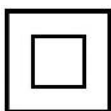


DE

Gefährliche elektrische Spannung!

EN

High voltage!



DE

Schutzklasse III!

EN

Protection class III!



DE

Laserklasse 2!

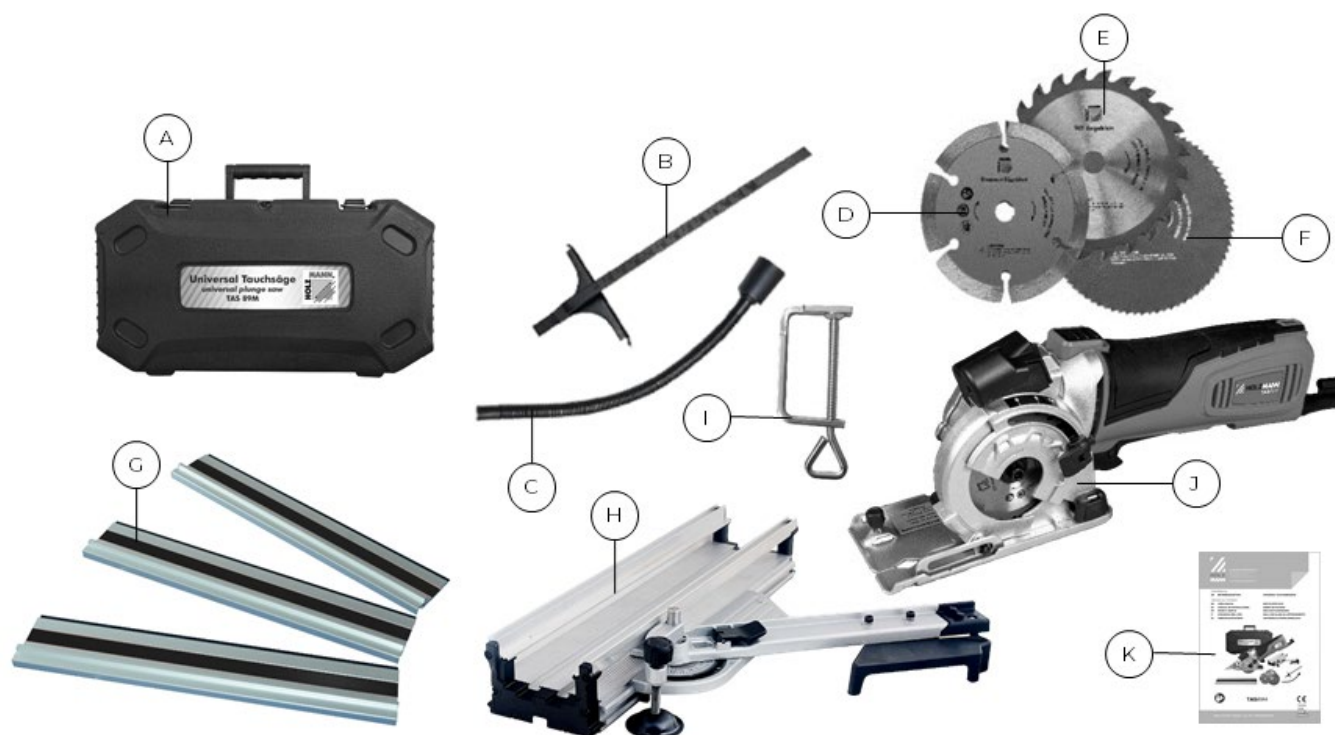
EN

Laser class 2!



3 TECHNIK / TECHNICS

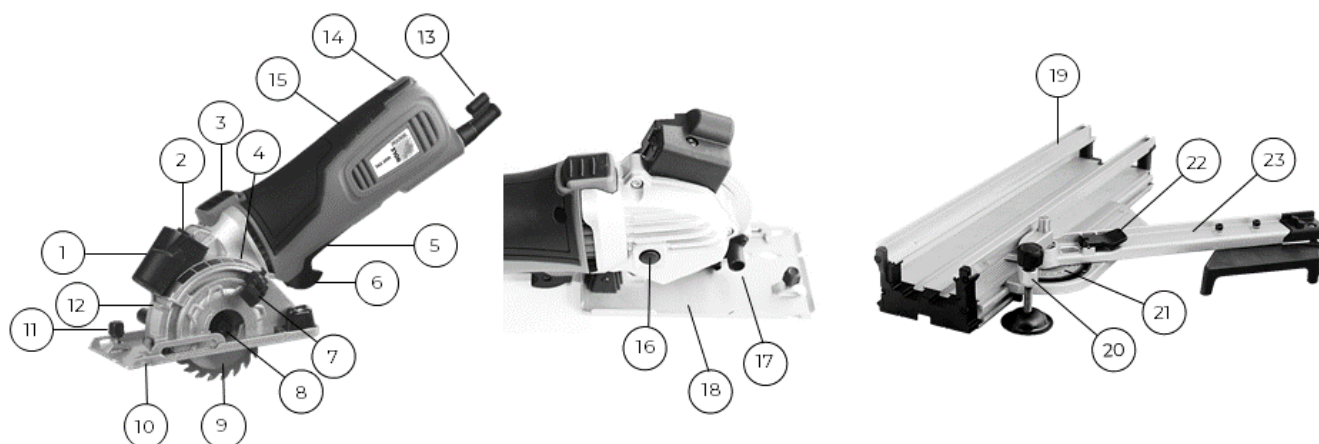
3.1 Lieferumfang / Delivery content



TAS89M	
A	Koffer / case
B	Parallelanschlag / guide fence
C	Absaugschlauch / dust extraction hose
D	Diamant Sägeblatt / diamond saw blade
E	TCT Sägeblatt / TCT saw blade
F	HSS Sägeblatt / HSS saw blade
G	3 Führungsschienen (Gesamtlänge: 1,26m) / 3 guide rails (total length: 1,26m) /
H	Gehrungsanschlag / miter base
I	G-Klemme / G-clamp
J	Maschine / machine
K	Betriebsanleitung / user manual



3.2 Komponenten / Components



TAS89M	
1	Laser / laser
2	Ein-Aus-Schalter Laser / ON-OFF-switch laser /
3	Freigabeknopf / safety lock button /
4	Schnitttiefenskala / cutting depth scale
5	EIN-AUS-Schalter / ON-OFF-switch
6	Verriegelungsknopf / lock-off button
7	Tiefeneinstellung / cutting depth setting
8	Flanschschraube / flange screw
9	Sägeblatt / saw blade
10	Öffnung für Parallelanschlag / guide fence slot
11	Fixierschraube für Parallelanschlag / lock screw for guide fence
12	Sägeblattschutz / protective cover
13	Inbusschlüsselhalter / storage for Allen key
14	Netzspannungsanzeige / power-on light
15	Griff / soft grip
16	Spindelarretierung / spindle lock button
17	Absauganschluss / dust collector plug
18	Grundplatte / base plate
19	Gehrungsanschlag / miter base
20	Fixierung / clamp
21	Winkelskala / angle scale
22	Winkeleinstellung / angle setting
23	Verlängerung / extension



3.3 Technische Daten / Technical Data

Spezifikation / Specification	
Spannung / voltage	230 V / 50 Hz
Motorleistung S1 (100%) / motor power S1 (100%) /	600 W
Leerlaufdrehzahl / no load speed /	5500 min ⁻¹
Sägeblattdurchmesser / saw blade diameter	Ø 89 mm
Bohrung (Sägeblatt) / bore (saw-blade)	Ø 10 mm
Schnitttiefe (Weichholz) / cutting depth (soft wood) /	28,5 mm
Schnitttiefe mit H / cutting depth with H / profundidad de corte con H / profondeur de coupe avec H / profondità di taglio con H / Snijdiepte met H	23 mm
Schnitttiefe (Fliesen) / cutting depth (tile)	8 mm
Schnitttiefe (Alu) / cutting depth (Alu)	3 mm
Anschlusskabelänge / cable length	2 m
Schutzklasse / protection class	II
Maschinenmaße (LxBxH) / machine dimensions (LxWxH) /	360x80x130 mm
Verpackungsmaße (LxBxH) / packaging dimensions (LxWxH) /	535x205x245 mm
Gewicht (Brutto) / weight (gross)	6,7 kg
Gewicht (Netto) / weight (net)	2,2 kg
Vibration a _{h,p} / vibration a _{h,p} / vibración a _{h,p} / vibration a _{h,p} / vibrazione a _{h,p} / trilling a _{h,p}	2,8 m/s ²k: 1,5 m/s ²
Schallleistungspegel L _{WA} / sound power level L _{WA}	97 dB(A).....k: 3 dB(A)
Schalldruckpegel L _{PA} / sound pressure level L _{PA}	86 dB(A).....k: 3 dB(A)
LASER	
Laserklasse / laser class / clase de láser	2
Norm / standard	EN 60825-1:2014
Laserwellenlänge / wavelength of laser	650nm
Laserleistung / laser output / potencia del láser	< 1 mW

(DE) Hinweis Geräuschangaben: Die angegebenen Werte sind Emissionswerte und müssen damit nicht zugleich auch sichere Arbeitsplatzwerte darstellen. Obwohl es eine Korrelation zwischen Emissions- und Immissionspegeln gibt, kann daraus nicht zuverlässig abgeleitet werden, ob zusätzliche Vorsichtsmaßnahmen notwendig sind oder nicht. Faktoren, welche den am Arbeitsplatz tatsächlich vorhandenen Immissionspegel beeinflussen, beinhalten die Eigenart des Arbeitsraumes und andere Geräuschquellen, d. h. die Zahl der Maschinen und anderer benachbarter Arbeitsvorgänge. Die zulässigen Arbeitsplatzwerte können ebenso von Land zu Land variieren. Diese Information soll jedoch den Anwender befähigen, eine bessere Abschätzung von Gefährdung und Risiko vorzunehmen.

(EN) Notice noise emission: The values given are emission values and therefore do not have to represent safe workplace values at the same time. Although there is a correlation between emission and immission levels, it cannot be reliably deduced whether additional precautions are necessary or not. Factors influencing the actual immission level at the workplace include the nature of the workspace and other noise sources, i.e. the number of machines and other adjacent operations. The permissible workplace values may also vary from country to country. However, this information should enable the user to make a better assessment of hazard and risk.



10 PREFACE (EN)

Dear Customer!

This operating manual contains information and important notes for safe commissioning and handling of the mini plunge saw TAS89M_230V, hereinafter referred to as "machine".



The manual is an integral part of the machine and must not be removed. Keep it for later use in a suitable place, easily accessible to users (operators), protected from dust and moisture, and enclose it with the machine if it is passed on to third parties!

Please pay special attention to the chapter Safety!

Due to the constant further development of our products, illustrations and contents may differ slightly. If you notice any errors, please inform us.

Technical changes reserved!

Check the goods immediately after receipt and make a note of any complaints on the consignment note when the delivery person takes them over!

Transport damage must be reported separately to us within 24 hours.

HOLZMANN MASCHINEN GmbH cannot accept any liability for transport damage not noted.

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CUSTOMER SERVICE CONTACT

HOLZMANN MASCHINEN GmbH

4170 Haslach, Marktplatz 4

AUSTRIA

Tel +43 7289 71562 - 0

info@holzmann-maschinen.at



11 SAFETY

This section contains information and important notes on the safe commissioning and handling of the machine.



For your safety, read this manual carefully before commissioning. This will enable you to handle the machine safely and thus prevent misunderstandings as well as personal injury and damage to property. Pay special attention to the symbols and pictograms used on the machine as well as the safety information and danger warnings!

11.1 Intended use of the machine

The machine is intended exclusively for the following activities:

For the sawing, longitudinally and transversely, of solid wood, chipboard, plywood, plastic, aluminium by using the TCT or HSS saw blade. For sawing tiles, printed circuit boards or glass fiber reinforced plastic must be used the diamond saw blade, within the technical limits.

NOTE



HOLZMANN MASCHINEN GmbH assumes no responsibility or warranty for any other use or use beyond this and for any resulting damage to property or injury.

11.1.1 Technical restrictions

The machine is designed for the work under the following conditions:

relative humidity	max. 70 %
temperature (operation)	+5 °C to +40 °C
temperature (storage, transport)	–25 °C to +55 °C

11.1.2 Prohibited applications / Dangerous misuse

- Operating the machine without adequate physical and mental fitness.
- Operating the machine without knowledge of the manual.
- Modifying the machine design.
- Operating the machine under fire or explosion hazardous conditions (machine can generate ignition sparks during operation).
- Operating the machine outside the technical limits specified in this manual.
- Removing of the safety labels attached to the machine.
- Cleaning the machine with water, neither with the power switched on nor with the power switched off.
- Modifying, circumventing or disabling the safety devices of the machine.
- Operate the machine without the protective devices provided
- Operate the machine with materials that are not expressly specified in this manual.
- It is not permitted to use tools that are not suitable for use with the machine.
- Never leave the machine unattended, especially when children are nearby
- Use of saw blades where the maximum permissible saw blade speed is lower than the saw blade speed of the machine
- Use of cut-off wheels/grinding wheels

The non-intended use or the disregard of the explanations and instructions described in this manual will result in the expiration of all warranty claims and compensation claims for damages against HOLZMANN MASCHINEN GmbH.

11.2 Requirements for user

The machine is designed to be operated by one person. The prerequisites for operating the machine are physical and mental fitness as well as knowledge and understanding of the manual. Persons who, due to their physical, sensory or mental capabilities, inexperience or lack of knowledge, are unable to operate the machine safely must not use the machine without supervision or instruction by a responsible person.

Put on your personal protective equipment before working on the machine.

Please note that locally applicable laws and regulations determine the minimum age of the



operator and may restrict the use of this machine!

Work on electrical components or equipment may only be carried out by a qualified electrician or under the guidance and supervision of a qualified electrician.

11.3 General safety instructions

To avoid malfunctions, damage and health impairments when working with the machine, the following points must be observed in addition to the general rules for safe working:

- Check the machine for completeness and function before starting. Only use the machine if the separating and other non-separating protective devices required for machining have are fitted.
- Make sure that the guards are in good working order and properly maintained.
- Ensure sufficient space around the machine. Keep the area around the machine free of obstacles (e.g. dust, chips, cut-off workpiece parts, etc.).
- Ensure sufficient lighting conditions at the workplace to avoid stroboscopic effects.
- Make sure you have a secure footing when working.
- Ensure a clean working environment.
- Only use tools that are in perfect condition and free of cracks and other defects (e.g. deformations).
- Remove tool keys and other setting tools before switching on the machine.
- Check the machine's connections for strength before each use.
- Never leave the running machine unattended. Switch off the machine before leaving the working area and secure it against unintentional or unauthorized restarting.
- The machine may only be operated, maintained or repaired by persons who are familiar and who have been informed about the dangers arising from this work.
- Ensure that unauthorized persons keep a safety distance from the machine and keep children away from the machine.
- Always work with care and the necessary caution and never use excessive force.
- Do not overload the machine.
- Only work in well-ventilated rooms.
- Hide long hair under hair protection.
- Wear close fitting protective work clothing and suitable protective equipment (eye protection, dust mask, ear protection, safety shoes).
- Never wear loose jewellery, loose clothing or accessories (e.g. tie, scarf).
- Do not work on the machine if you are tired, not concentrated or under the influence of medication, alcohol or drugs!
- Ensure proper connection to the dust extraction system.
- Do not use the machine in areas where vapors of paints, solvents or flammable liquids represent a potential danger (danger of fire or explosion!).
- Shut down the machine and disconnect it from the power supply, before adjustment, changeover, cleaning, maintenance or repair work, etc. Before starting work on the machine, wait until all tools or machine parts have come to a complete standstill and secure the machine against unintentional restart.
- Warning signs and/or stickers on the machine that are illegible or have been removed must be replaced immediately!

11.4 Electrical safety

- Only use suitable extension cables.
- A damaged or tangled cable increases the risk of electric shock. Handle the cable with care. Never use the cable to carry, pull or disconnect the machine. Keep the cable away from heat, oil, sharp edges or moving parts.
- Proper plugs and sockets reduce the risk of electric shock.



- Water entry into the machine increases the risk of electric shock. Do not expose the machine to rain or moisture.
- If operating the machine in a damp environment is unavoidable, use a residual current circuit breaker. The use of a residual current circuit breaker reduces the risk of electric shock.
- Ensure that the machine is switched off before connecting it to the power supply.
- Only use the machine if the ON/OFF switch is in perfect condition
- Avoid physical contact with earthed parts

11.5 Special safety instructions for this machine

- Loose objects can get caught in the saw blade and cause serious injuries!
- Wear suitable protective equipment (protective gloves, dust mask, safety goggles and hearing protection) when working on and with the machine!
- Keep cutting tools sharp and clean. Carefully maintained cutting tools with sharp cutting edges are less likely to jam and are easier to guide
- Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery handles and gripping surfaces do not allow safe operation and control of the power tool in unforeseen situations
- Do not reach under the workpiece. The protective cover cannot protect you from the saw blade under the workpiece
- Never hold the workpiece to be sawn in your hand or over your leg. Secure the workpiece to a stable support. It is important to secure the workpiece well to minimize the risk of physical contact, jamming of the saw blade or loss of control
- Always use saw blades of the correct size and with a suitable mounting hole (e.g. diamond-shaped or round). Saw blades that do not fit the mounting parts of the saw will run out of round and lead to loss of control
- Hold the saw firmly with both hands and bring your arms into a position in which you can absorb the kickback forces. Always keep to the side of the saw blade, never bring the saw blade in line with your body. In the event of a kickback, the circular saw may jump backwards, but the operator can take suitable precautions to control the kickback forces
- If the saw blade jams or you interrupt the work, switch off the saw and hold it still in the material until the saw blade has come to a standstill. Never attempt to remove the saw from the workpiece or pull it backwards while the saw blade is moving, otherwise a kickback may occur. Determine and rectify the cause of the saw blade jamming
- If you want to restart a saw that is stuck in the workpiece, center the saw blade in the saw gap and check that the saw teeth are not jammed in the workpiece. If the saw blade is jammed, it may move out of the workpiece or cause a kickback when the saw is restarted
- Support large panels to reduce the risk of kickback due to a jammed saw blade. Large panels can bend under their own weight. Boards must be supported on both sides, both near the saw kerf and at the edge
- Do not use blunt or damaged saw blades. Saw blades with blunt or misaligned teeth cause increased friction, jamming of the saw blade and kickback due to an excessively narrow sawing gap
- Be particularly careful when sawing into existing walls or other hidden areas. The plunging saw blade can jam when sawing into concealed objects and cause kickback
- Tighten the cutting depth and cutting angle settings before sawing. If the settings change during sawing, the saw blade may jam and kickback may occur
- Only use saw blades that correspond to the dimensions specified in the technical data and for which the permissible speed is higher than the maximum speed of the machine.
- Before each use, check that the lower guard closes properly. Do not use the saw if the lower guard does not move freely and does not close immediately. Never clamp or tie the lower guard in the open position



- Check the function of the spring for the lower guard. Have the saw serviced before use if the lower guard and spring are not working properly
- Do not place the saw on the workbench or floor without the guard completely covering the saw blade.
- Remove nails and other foreign objects from the workpiece before machining

Instructions for using the LASER:

- Do not look directly into the laser beam with unprotected eyes.
- Never point the laser beam at reflective surfaces, people or animals. Even a low-power laser beam can cause eye damage.
- Never open the laser module. Unexpected exposure to the beam may occur.
- The laser must not be replaced by another type of laser.
- Repairs to the laser may only be carried out by the laser manufacturer or an authorized representative.

11.6 Hazard warnings

11.6.1 Residual risks

Despite intended use, certain risk factors cannot be completely eliminated:

- Risk of injury to hands/fingers from rotating tools during operation.
- Risk of injury from sharp edges of the workpiece, especially if the workpiece is not secured with the appropriate tool/device.
- Risk of injury: Hair and loose clothing etc. can be caught and wound up by the rotating saw blade! Always observe safety regulations regarding work clothing.
- Risk of injury due to contact with live components.
- Risk of injury due to breakage or tearing of the saw blade
- Risk of injury due to dust emissions from workpieces treated with harmful substances
- Risk of eye injury from flying parts, even when wearing safety goggles.
- Risk of injury to hearing during prolonged work without hearing protection
- Risk of injury from kickback.
- Contact with the saw blade in the uncovered saw area.
- Cutting injuries due to interference with the running saw blade

11.6.2 Hazardous situations

Due to the design and construction of the machine, hazardous situations may occur which are identified in this manual as follows:

DANGER



A safety instruction designed in this way indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING



A safety instruction of this type indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION



A safety instruction designed in this way indicates a possibly hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTE



A safety notice designed in this way indicates a potentially hazardous situation which, if not avoided, may result in property damage.



Regardless of all safety regulations, your common sense and your appropriate technical aptitude/training are and remain the most important safety factor in the error-free operation of the machine. **Safe working depends on you!**

12 OPERATION

12.1 Delivery content

Check the delivery immediately for transport damage and missing parts. Report any damage or missing parts to your dealer or the shipping company immediately. Visible transport damage must also be noted immediately on the delivery note in accordance with the provisions of the warranty, otherwise the goods are deemed to have been properly accepted.

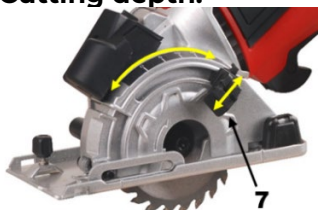


12.2 Operation instructions

Only operate the machine when it is in perfect working order. A visual inspection of the machine must be carried out before each operation. Safety devices, electrical cables and operating elements must be checked carefully. Check screw connections for damage and tightness..





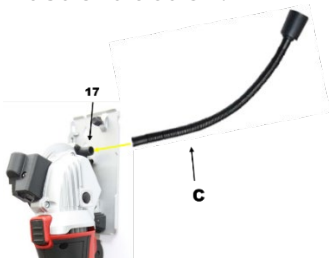

12.3 Check before commissioning

- Check that the speed of the machine is lower than the maximum permissible speed of the saw blade used.
- Check that the saw blade rotation and saw blade dimensions match the machine.
- Check that the saw blade guard is working properly.
- Check whether the stops are set correctly and the saw blade is tightened.
- Check that the saw blade can run freely.
- Always set the cutting depth 2 mm deeper than the workpiece thickness. This ensures a satisfactory cutting result.
- Check that the cable and plug are in perfect condition
- That the safety instructions have been observed and followed



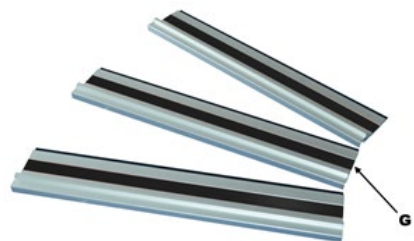
12.4 Operation

<p>Cutting depth:</p> 	<ul style="list-style-type: none"> • Lift the lock lever to release the cutting depth setting clamp (7) • Move indicator to the desired depth of cut • Lower the lock lever to secure depth of cut
<p>Change saw blade:</p> 	<ul style="list-style-type: none"> • Set cutting depth to maximum • Press and hold the spindle lock button (16) • Use Inner hexagon wrench to loosen and remove the flange screw (8) • Press the safety lock button (3) to lift up the base plate (18) • Change saw blade and fix them in reverse order <div style="background-color: yellow; text-align: center; padding: 5px;">CAUTION</div> <div style="background-color: #f0f0f0; padding: 5px;"> <p>Note the running direction of the saw blade shown with the arrow and indication of direction on machine</p>  </div>
<p>ON/OFF:</p>	<ul style="list-style-type: none"> • Connect the plug to the power supply (230V): The power on light (14) is on • Push ON/OFF switch (5)



	<ul style="list-style-type: none"> • Push the lock-off button (6) forward with the forefinger • The machine is running until releasing the ON/OFF-switch <div style="background-color: yellow; text-align: center; padding: 5px;">CAUTION</div> <p>saw blade continues to rotate!</p> <p>→ After switching off the machine, remain in a safe position (both hands on the machine) and wait until the saw blade has come to a standstill. Never stop the rotation by hand!</p>
<p>Enable cut:</p> 	<ul style="list-style-type: none"> • Let saw blade run to maximum speed • Pressing the safety lock button (3) unlocks the plunge cut mechanism at the same time, so that the motor can be moved downwards
<p>Guide fence:</p> 	<ul style="list-style-type: none"> • Release the lock screw for guide fence (11) • Set the guide fence (B) in the guide fence slot (10) • Set a desired width and retighten the lock screw for the guide fence (11)
<p>Laser:</p> 	<ul style="list-style-type: none"> • On/Off with switch (2) • Line the laser up with cutting marks on your workpiece
<p>Dust extraction:</p> 	<ul style="list-style-type: none"> • Always use a dust extraction • Plug the small end of the dust extraction hose (C) with the dust collector plug (17) • Connect the bigger end of C with a vacuum device
<p>Miter cut:</p> 	<ul style="list-style-type: none"> • Use for miter cuts the miter base (H) • Lift the lock lever to release the angle setting clamp (c) • Move to the desired angle • Lock the angle setting (c) • Tighten the workpiece with clamp (a)



Tile cut: 	<ul style="list-style-type: none"> For cutting tiles always use diamond saw blade (D)
Plastic cut: 	<ul style="list-style-type: none"> For cutting plastic and aluminium always use HSS-saw blade (F)
Guide rails: 	<ul style="list-style-type: none"> For long cuts use the guide rails (G) If you stuck all 3 guide rails together a maximum length of 1,26,m is possible
G-clamp: 	<p>Use the G-clamp to fix the miter base and the guide rails.</p>

13 MAINTENANCE

WARNING



Danger due to electrical voltage!

Handling the machine with connected power supply may result in serious injury or death.

→ Always disconnect the machine from the power supply before cleaning, maintenance or repair work and secure it against unintentional reconnection!

Die Maschine ist wartungsarm und enthält nur wenig Teile, die der Bediener einer Instandhaltung unterziehen muss. Störungen oder Defekte, die die Sicherheit der Maschine beeinträchtigen können, umgehend beseitigen lassen.

NOTE



Only a regularly serviced and well-maintained machine can be a satisfactory tool. Poor maintenance and care can lead to unforeseeable accidents and injuries. Repairs that require special expertise should only be carried out by authorized service centers. Improper intervention can damage the appliance or endanger your safety.



Regularly check that the warning and safety instructions on the machine are present and in a perfectly legible condition. Check that the safety equipment is in perfect condition before each operation! When storing the machine, it must not be kept in a damp room and must be protected against the influence of weather conditions.

Before using the machine for the first time and every 100 working hours thereafter, apply a thin layer of lubricating oil or grease to all moving connecting parts (if necessary, clean chips and dust with a brush beforehand)..

13.1 Maintenance plan

After each workshift: Remove chips and dust from the device

After 10 hours of operation:

- When working metal it is possible for conductive dust to settle in the interior of the power tool. The total insulation of the power tool can be impaired. Blow out the interior of the power tool via the ventilation slots with compressed air.

13.2 Cleaning

NOTE



Incorrect cleaning products can attack the finish of the machine. Do not use any solvents, nitro thinners or other cleaning products that could damage the machine's finish. Observe the specifications and instructions of the cleaning agent manufacturer!

Regular cleaning guarantees the long service life of your machine and is a prerequisite for its safe operation.

13.3 Storage

Store the machine including accessories in a dry, frost-proof and lockable place when not in use. Cover the machine or store it in the original box to protect it from dust. Make sure that unauthorized persons and especially children do not have access to the machine. Disconnect the machine from the power supply.

NOTE



Improper storage can damage and destroy important components. Only store packed or already unpacked parts under the intended ambient conditions!

13.4 Disposal



Observe the national waste disposal regulations. Never dispose of the machine, machine components or operating equipment in the residual waste. If necessary, contact your local authorities for information regarding available disposal options. If you purchase a new machine or equivalent equipment from your specialist dealer, he is obliged in certain countries to dispose of your old machine properly.

14 TROUBLESHOOTING

WARNING



Danger due to electrical voltage!

Handling the machine with connected power supply may result in serious injury or death!

→ Always disconnect the machine from the power supply before starting work to repair defects and secure it against unintentional reconnection!

Many possible sources of error can be eliminated in advance if the machine is properly connected to the power supply. If you are unable to carry out the necessary repairs properly and/or do not have the required training, always consult a specialist to solve the problem.

Trouble	Possible cause	Solution
Machine stops or will not start	<ul style="list-style-type: none">▪ ON/OFF-switch damaged▪ Saw unplugged▪ Overload tripped▪ Fuse blown or circuit breaker tripped▪ Cord damaged	<ul style="list-style-type: none">▪ Check the switch▪ Check all power connections▪ Allow motor to cool and reset by pushing off switch▪ Change fuse or reset circuit breaker▪ Change cable
Machine slows down during working	<ul style="list-style-type: none">▪ Exerting too much pressure to the sanding abrasive	<ul style="list-style-type: none">▪ Exert less pressure on the work piece
Work piece burns during the working process	<ul style="list-style-type: none">▪ Wrong saw blade▪ Too much pressure	<ul style="list-style-type: none">▪ Change saw blade▪ Reduce pressure



15 ERSATZTEILE / SPARE PARTS

15.1 Ersatzteilbestellung / spare parts order

(DE) Mit HOLZMANN-Ersatzteilen verwenden Sie Ersatzteile, die ideal aufeinander abgestimmt sind. Die optimale Passgenauigkeit der Teile verkürzen die Einbauzeiten und erhöhen die Lebensdauer.

HINWEIS



Der Einbau von anderen als Originalersatzteilen führt zum Verlust der Garantie! Daher gilt: Beim Tausch von Komponenten/Teile nur vom Hersteller empfohlene Ersatzteile verwenden.

Bestellen Sie die Ersatzteile direkt auf unserer Homepage – Kategorie ERSATZTEILE.
oder kontaktieren Sie unseren Kundendienst

- über unsere Homepage – Kategorie SERVICE/NEWS/FAQ – ERSATZTEILANFORDERUNG,
- per Mail an service@holzmann-maschinen.at.

Geben Sie stets Maschinentype, Ersatzteilnummer sowie Bezeichnung an. Um Missverständnissen vorzubeugen, empfehlen wir mit der Ersatzteilbestellung eine Kopie der Ersatzteilzeichnung beizulegen, auf der die benötigten Ersatzteile eindeutig markiert sind, falls sie nicht über den Online-Ersatzteilkatalog anfragen.

(EN) With original HOLZMANN spare parts you use parts that are attuned to each other shorten the installation time and elongate your products lifespan.

NOTE



The installation of parts other than original spare parts leads to the loss of the guarantee!
Therefore: When replacing components/parts, only use spare parts recommended by the manufacturer.

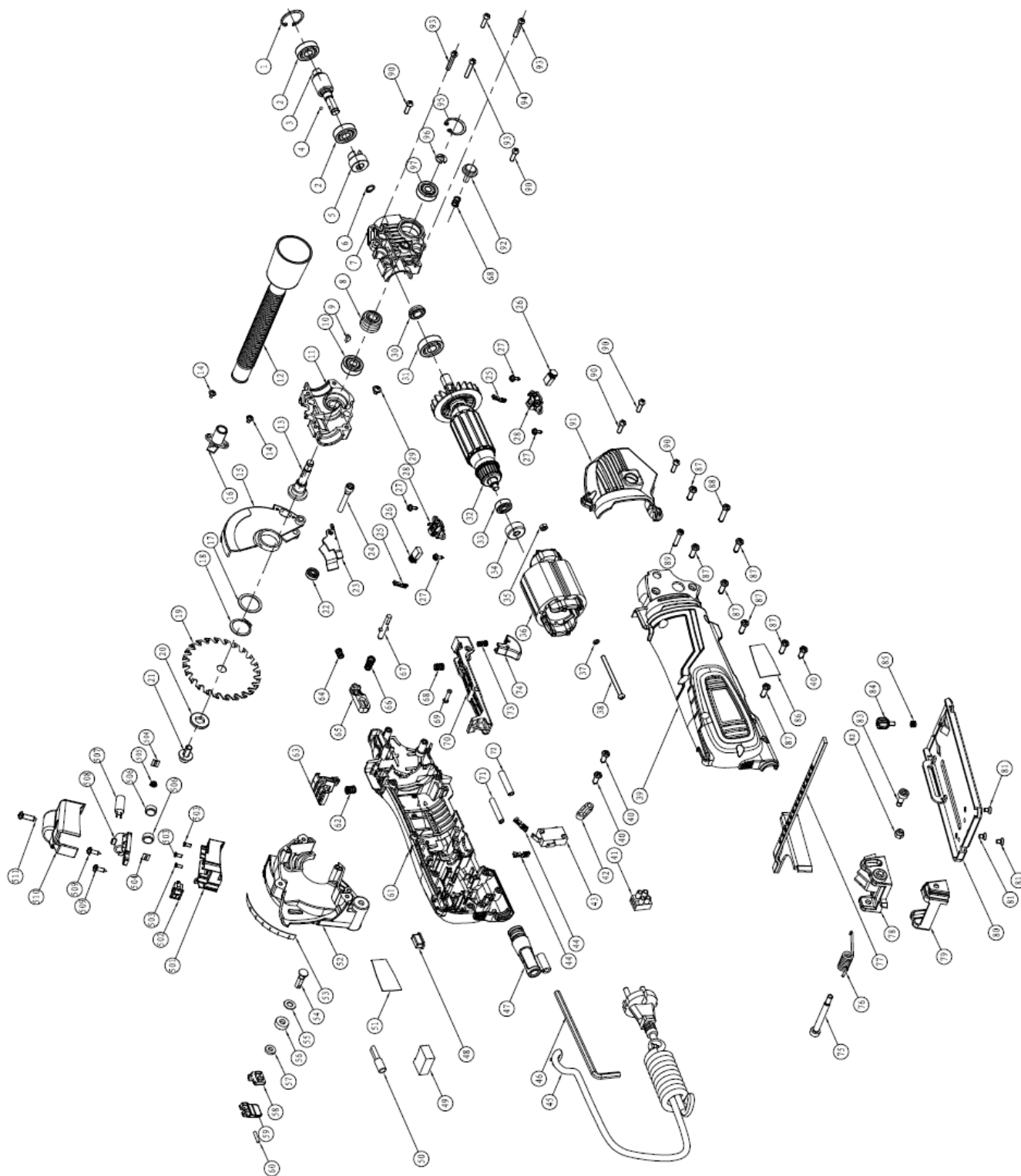
Order the spare parts directly on our homepage – category SPARE PARTS or contact our customer service

- via our Homepage - category SERVICE/NEWS/FAQ - SPARE PARTS REQUEST,
- by e-mail to service@holzmann-maschinen.at.

Always state the machine type, spare part number and designation. To prevent misunderstandings, we recommend that you add a copy of the spare parts drawing with the spare parts order, on which the required spare parts are clearly marked especially when not using the online-spare-part catalogue.



15.2 Explosionszeichnung / explosion drawing





15.3 Ersatzteilliste / spare parts list

NO.	PART NAME	QTY	NO.	PART NAME	QTY
1	circlip for hole D24	1	55	butterfly spring 6	1
2	bearing 609	2	56	stop block	1
3	worm shaft	1	57	rubber washer	1
4	steel ball Sø3	1	58	depth indicator	1
5	bevel gear	1	59	depth lock knob	1
6	circlip for shaft D8	1	60	round pin ø2.5X14	1
7	gear box cover	1	61	left housing	1
8	worm gear	1	62	unlock spring	1
9	woodruff key 3x3.7x10	1	63	unlock-button	1
10	ball bearing 608-2Z	1	64	slider spring	1
11	gear box	1	65	slider	1
12	dust pipe assembly	1	66	lock pin spring	1
13	spindle	1	67	lock pole with pin	1
14	cross-shaped screw with washer M3X6	2	68	switch button spring	2
15	moving guard	1	69	hollow rivet ø3X16	1
16	dust pipe adaptor	1	70	switch button	1
17	dust washer	1	71	inductance 100x25	1
18	steel baffle ring D20	1	72	inductance 70x30	1
19	blade	1	73	switch off knob spring	1
20	outer flange	1	74	switch off knob	1
21	blade fixed screw M6X12	1	75	bolt screw	1
22	ball bearing 695	1	76	torsion spring	1
23	blade baffle	1	77	edge guide	1
24	baffle screw M6X35.5	1	78	base plate connecting block	1
25	socket terminal 2.8X0.8	2	79	plastic decoration cover	1
26	carbon brush	2	80	base plate	1
27	cross-shaped self-tapping screw with washer ST2.9X12	4	81	cross-shaped screw M4X6	3
28	carbon brush holder	2	82	lock nut M5	1
29	cross-shaped screw with washer M4X6	1	83	moving guard stop screw	1
30	oil baffle ring	1	84	guide rod lock knob	1
31	ball bearing 6000.2Z	1	85	guide rod lock spring	1
32	rotor	1	86	right label	1
33	ball bearing 606.2Z	1	87	cross-shaped self-tapping screw ST4.2X16	7
34	bearing sleeve	1	88	cross-shaped self-tapping screw ST4.2X22	1
35	cross-shaped screw M4	1	89	cross-shaped self-tapping screw ST3.5X22	1
36	stator	1	90	cross-shaped screw with wash M4X14	5
37	spring washer 4	1	91	right decoration cover	1
38	cross-shaped screw M4X55	1	92	spindle lock cap	1
39	right housing	1	93	cross-shaped screw with wash M4X24	3
40	cross-shaped self-tapping screw ST4.2X14	3	94	cross-shaped screw with wash M4X16	1
41	wires connecting blocks	1	95	circlip for hole D22	1
42	power cord clamp	1	96	split washer 6	1
43	on-off switch	1	97	ball bearing 627	1
44	socket terminal 4.8X0.8	2	501	laser seat	1
45	power cord	1	502	laser switch	1
46	allen key 5	1	503	cross-shaped screw M3X8	3
47	power cord sleeve	1	504	spring seat	2
48	lamp cover	1	505	1.5V battery cell	2
49	capacitor	1	506	tower spring	1
50	power indicator lamp	1	507	laser	1
51	left label	1	508	laser bracket	1
52	fixed guard	1	509	cross-shaped self-tapping screw with wash ST3.5X12	2
53	depth label	1	510	laser housing cover	1
54	depth knob lock pin	1	511	self-tapping self-tapping screw ST4.2X12	1