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Originalfassung
DE BETRIEBSANLEITUNG **TISCHREISSÄGE**

Übersetzung / Translation
EN USER MANUAL **TABLE SAW**

TKS500S

Edition: 10.01.2020 – Revision - 00 – RAR - DE/EN

2 SICHERHEITSZEICHEN / SAFETY SIGNS

DE SICHERHEITSZEICHEN
BEDEUTUNG DER SYMBOLE

EN SAFETY SIGNS
DEFINITION OF SYMBOLS

DE **CE-KONFORM!** - Dieses Produkt entspricht den EG-Richtlinien.

EN **CE-Conformal!** - This product complies with the EC-directives.

DE Benutzen von Handschuhen verboten!

EN Do not use wearing gloves !

DE **ANLEITUNG LESEN!** Lesen Sie die Betriebsanleitung aufmerksam durch und machen Sie sich mit den Bedienelementen Ihrer Maschine gut vertraut, um sie ordnungsgemäß bedienen und warten zu können und so Schäden an Mensch und Maschine vorzubeugen.

EN **READ THE MANUAL!** Read these operating instructions carefully and familiarize yourself well with the operating elements of your machine in order to be able to operate and maintain it properly and thus prevent damage to man and machine.

DE Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!

EN Switch off the machine before maintenance and breaks and pull out the mains plug!

DE Persönliche Schutzausrüstung

EN Personal Protection Equipment

DE Schutzhaube Tischkreissäge benutzen

EN Use table saw adjustable guard

DE Warnung vor spitzen Gegenständen!

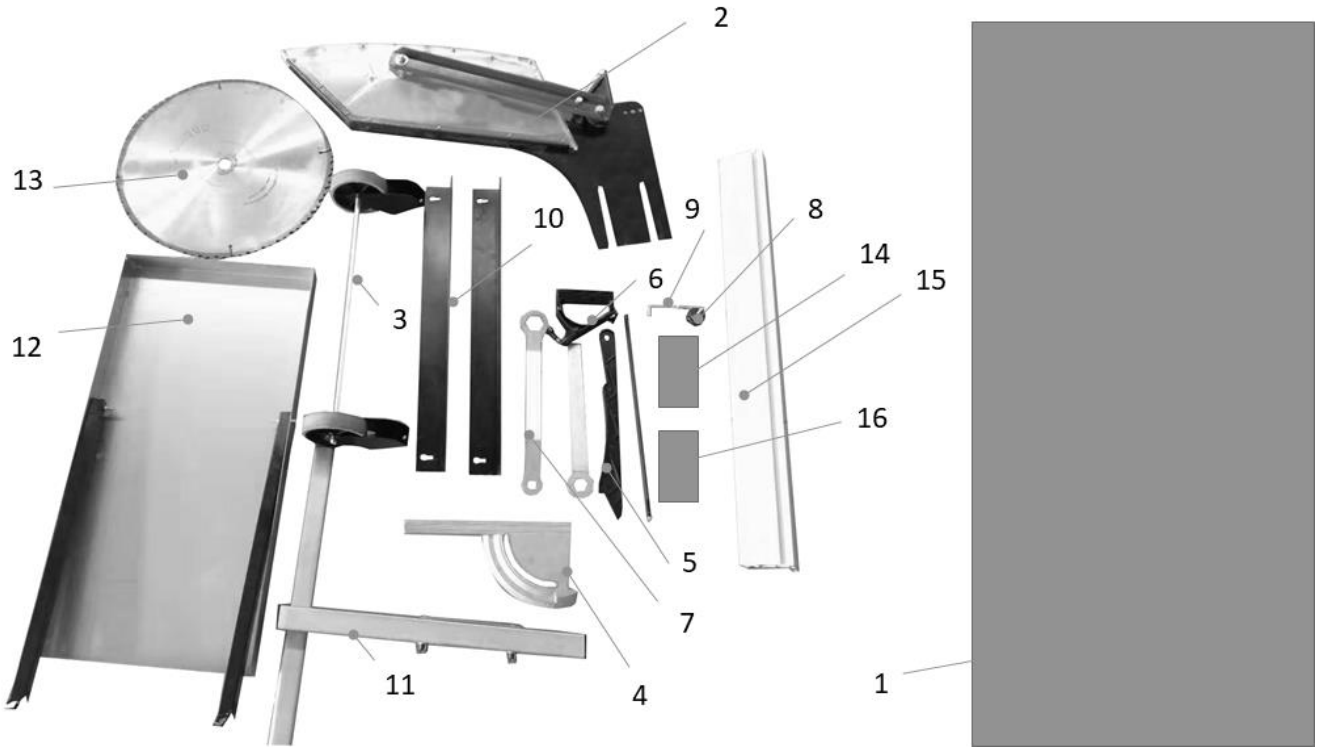
EN Warning of sharp objects!

DE **Warnschilder und/oder Aufkleber an der Maschine, die unleserlich sind oder die entfernt wurden, sind umgehend zu erneuern!**

EN **Missing or non-readable se curity stickers have to be replaced immediately!**

3 TECHNIK / TECHNICS

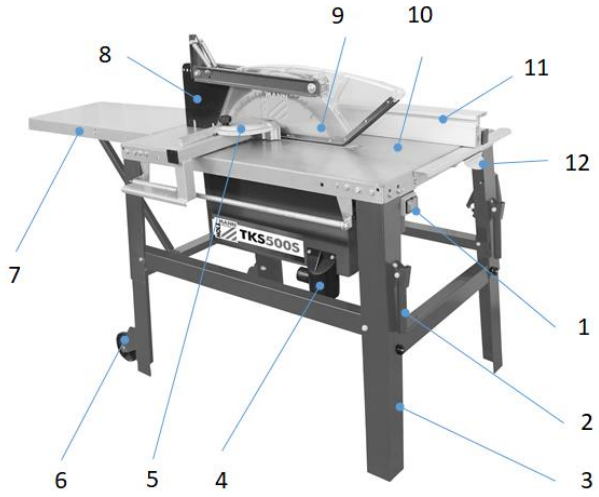
3.1 Lieferumfang / delivery content



1	Maschine / machine	10	Streben Untergestell kurz / support base frame short
2	Spaltkeil mit Sägeblattabdeckung / riving knife with saw blade protection cover	11	Vorrichtung Parallelanschlag / rip-fence device
3	Räder-Fahreinrichtung / wheels; transport-device	12	Verlängerungstisch / extension table
4	Gehrungsanschlag / miter gauge	13	Sägeblatt / saw blade
5	Schiebestock / push stick	14	Kleinteile / hardware
6	Schiebeholz / sliding wood	15	Parallelanschlag / rip-fence
7	Schlüssel / key	16	Bedienungsanleitung / manual
8	Fixierknop Gehrungsanschlag / fixation knob miter gauge		
9	Haken Schiebeholz-Schiebestock / hook for push stick and sliding wood		

*nicht abgebildet / not shown

3.2 Komponenten / components



1	EIN-AUS-Schalter / ON-OFF-switch	8	Spaltkeil mit Sägeblattabdeckung / Riving knife with saw blade protection cover
2	Transportgriffe / transport handles	9	Sägeblatt / saw blade
3	Untergestell / base frame	10	Haupttisch / main table
4	Absauganschluss / dust port collector	11	Parallelanschlag / rip fence
5	Gehrungsanschlag / miter gauge	12	Parallelanschlagfixierung / rip fence fixation
6	Räder-Transportvorrichtung / Wheels; transport device	13	Motor / motr
7	Verlängerungstisch klappbar/ Extension table foldable	14	Werkzeughalter für Schiebestock-, Gabelschlüssel,… Tool holder for push-stick, fork-wrench,..

3.3 Technische Daten / technical data

	TKS500S
Spannung / voltage	400 V / 3 / 50Hz
Motorleistung /motor power	4.2kW S6(40%)
Sägeblatt Ø / saw blade Ø	450-500 mm
Sägeblattbohrung Ø / saw blade bore Ø	30 mm
Sägeblattdicke / saw blade thickness	4 mm
Sägeblattgeschwindigkeit / saw blade speed	2800 min-1
max. Schnitthöhe / max. cutting height	150mm @ 90°
max. Schnittbreite am Parallelanschlag max. cutting width on rip fence	310mm
Arbeitstischgröße / work table size	1000 x 660mm
Tischverbreiterung / table extention	800 x 400mm
Tischhöhe / table height	850mm
notwendiger Luftvolumenstrom Absauganlage / necessary air volume	2000 m³/h
notwendiger Unterdruck Absauganlage / vacuum dust collector	1000 Pa
Absauganschluss ø / dust collector port-ø	ø 100 mm
Nettogewicht / net weight	96 kg
Bruttogewicht / gross weight	119kg
Verpackungsmaße / packing dimensions	1285 x 825 x 610 mm
Maschinenmaße (LxB) / machine dimension (LxW)	1075 x 790 x 1035 mm
Garantierter Schallleistungpegel / guaranteed sound power level L_{WA}	110 dB(A)

(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.

11 PREFACE (EN)

Dear Customer!

This manual contains information and important instructions for the installation and correct use of the table saw TKS500S.
Following the usual commercial name of the device (see cover) is substituted in this manual with the name "machine".

This manual is part of the product and shall not be stored separately from the product. Save it for later reference and if you let other people use the product, add this instruction manual to the product.

Please read and obey the security instructions!

Due to constant advancements in product design, construction pictures and content may diverse slightly. However, if you discover any errors, inform us please.

Technical specifications are subject to changes!

Please check the product contents immediately after receipt for any eventual transport damage or missing parts.

Claims from transport damage or missing parts must be placed immediately after initial product receipt and unpacking before putting the product into operation.

Please understand that later claims cannot be accepted anymore.

Copyright

Customer service contact

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12 SAFETY

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

For your personal safety, please read these operating instructions carefully before commissioning. This will enable you to handle the machine safely and prevent misunderstandings as well as personal injury and damage to property. Also observe the symbols and pictograms used on the machine as well as the safety and danger information!

12.1 Intended Use of the Machine

The machine is intended exclusively for the following activities:

Longitudinal cross-cutting of wood and materials with similar physical properties to wood, outdoors or in sufficiently ventilated rooms or/and using an effective dust collection system according to technical specifications and within technical limits of the machine.

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

12.1.1 Technical Restrictions

The machine is intended for use under the following ambient conditions:

Rel. Humidity:	max. 65 %
Temperature (operational)	+5° C bis +40° C
Temperature (Storage, Transport)	-20° C bis +55° C

12.1.2 Prohibited Use / Forseeable Misuse

- Operation of the machine without adequate physical and mental aptitude
- Operating the machine without knowledge of the operating instructions
- Changes in the design of the machine
- Operating the machine in a potentially explosive environment (machine can generate ignition sparks during operation)
- Operation of the machine in closed rooms without chip and dust collection system (a normal household vacuum cleaner is not a suitable dust collection system device).
- Operating the machine outside the limits specified in this manual
- Remove the safety markings attached to the machine.
- Modify, circumvent or disable the safety devices of the machine.
- Cutting of materials with dimensions outside the limits specified in this manual
- Use of tools which do not meet the safety requirements of the standard for machine tools for woodworking (EN847-1).

The improper use or disregard of the versions and instructions described in this manual will result in the voiding of all warranty and compensation claims against Holzmann Maschinen GmbH.

12.2 User Requirements

The physical and mental suitability as well as knowledge and understanding of the operating instructions are prerequisites for operating the machine. Persons who, because of their physical, sensory or mental abilities or their inexperience or ignorance, are unable to operate the machinery safely must not use it without the supervision or instruction by a responsible person.
Please note that local laws and regulations may stipulate the minimum age of the operator and restrict the use of this machine!
Put on your personal protective equipment before working on the machine.
Work on electrical components or equipment may only be carried out by a qualified electrician or under the instruction and supervision of a qualified electrician.

12.3 Safety Devices

The machine is equipped with the following safety devices:

	• Safety guard (adjustable), saw blade protection
	• Separating protective device (fixed) (Access to motor / belt drive)
Riving knife	• This measure is intended to prevent the work-piece from kick back. The setting is in horizontal and vertical direction opposite to the saw blade.
Push stick	• For cutting operations where less than 120mm is cut, i.e. less than 120mm distance to the right of the saw blade to the rip fence. Do not feed the wood by hand, but with the push stick.

12.4 General Safety Instructions

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

- Before commissioning, check the machine for completeness and function.
- Choose a level, vibration-free, non-slip surface for the installation location.
- Ensure sufficient space around the machine!
- Ensure sufficient lighting conditions at the workplace to avoid stroboscopic effects!
- Only use perfect tools that are free of cracks and other defects (e.g. deformations).
- Remove setting tools from the machine before switching on.
- Keep the area around the machine free of obstacles (e.g. dust, chips, cut workpiece parts etc.).
- Check the strength of the machine connections before each use.
- Never leave the running machine unattended. If necessary, stop the machine before leaving.
- The machine may only be operated, serviced or repaired by persons who are familiar with it and who have been informed of the dangers arising in the course of this work.
- Ensure that unauthorised persons maintain an appropriate safety distance from the machine and, in particular, keep children away from the machine..
- Wear suitable protective equipment (eye protection, dust mask, respiratory protection, ear protection, gloves when handling tools) as well as close-fitting work protective clothing - never wear loose clothing, ties, jewellery, etc. - danger of being drawn in!
- Work with gloves on rotating parts is not permitted!
- Hide long hair under hair protection.
- Do not remove any sections or other parts of the workpiece from the cutting area while the machine is running!
- Do not remove splinters and chips by hand! Use a sliding stick for this purpose!
- Always work with care and the necessary caution and never use excessive force.
- Do not overload the machine!
- Do not work on the machine if you are tired, not concentrated or under the influence of medication, alcohol or drugs!
- Do not use the machine in areas where vapours from paints, solvents or flammable liquids represent a potential danger (danger of fire or explosion!).
- Do not smoke in the immediate vicinity of the machine (fire hazard)!
- Always shut down the machine before carrying out any conversion, adjustment, measuring, cleaning, maintenance or repair work and always disconnect it from the power supply for maintenance or repair work. Before starting any work on the machine, wait until all tools or machine parts have come to a complete standstill and secure the machine against unintentional restarting.

12.5 Electrical Safety

- Make sure that the machine is earthed.
- Only use suitable extension cords.
- 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 power tool. 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 machine increases the risk of electric shock. Do not expose machine to rain or moisture.
- The machine may only be used in humid environments if the power source is protected by a residual current circuit breaker.
- Do not use the power tool if it cannot be turned on and off with the ON/OFF switch.

12.6 Special Safety Instructions for Woodworking machines

- Work with gloves on rotating parts is not permitted!
- During operation of the machine wood dust is generated. Therefore, connect the machine to a suitable dust collection system for dust and chips during installation when working in a non-ventilated rooms and always switch on the dust collection system before you start machining the workpiece!
- Never remove sections or other parts of the workpiece from the cutting area while the machine is running.
- When using milling tools with a diameter of ≥ 16 mm and circular saw blades, these must comply with EN 847-1:2013 and EN 847-2:2013; tool carriers must comply with EN 847-3:2013;
- Excessive noise can cause hearing damage and temporary or permanent hearing loss. Wear hearing protection certified to health and safety regulations to limit noise exposure.
- Replace cracked and deformed saw blades immediately, they cannot be repaired.
- Use a push stick for cutting operations where less than 120mm is cut, i.e. less than 120mm distance to the right of the saw blade from the rip fence. Do not feed the wood by hand, only with the push stick!

12.7 Hazard Warnings

Despite their intended use, certain residual risks remain.

- Risk of injury to fingers and hands from the rotating saw blade if the workpiece is guided improperly.
- Injuries caused by the workpiece being thrown away by improper mounting or guidance, such as working without a stop.
- Danger to health from wood dust or chips. It is essential to wear personal protective equipment such as eye protection and a dust mask. Use a dust collection system!
- Injuries due to defective saw blade. Check the saw blade regularly for damage.
- Risk of electric shock if incorrect electrical connections are used.

Residual risks can be minimized if the "Safety instructions" and the "Intended use" as well as the operating instructions are observed.
Due to the structure and construction of the machine, hazardous situations may occur when handling the machines:

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
Such a safety instruction indicates a potentially hazardous situation which, if not avoided, may result in serious injury or even death..

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

NOTICE

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

Irrespective of all safety regulations, their sound common sense and corresponding technical suitability/training are and remain the most important safety factor in the error-free operation of the machine. Safe working depends first and foremost on you!

13 TRANSPORT

WARNING

Damaged or insufficiently strong hoists and load slings can result in serious injury or even death. Always check hoists and load slings for adequate load-bearing capacity and perfect condition, secure loads carefully and never stand under suspended loads.

To ensure proper transport, also observe the instructions and information on the transport packaging regarding centre of gravity, attachment points, weight, means of transport to be used and the prescribed transport position, etc..
The machine should be transported to the place of operation by means of a forklift or lift truck. After the machine has been assembled, it can be transported for short distances with the transport device or transported by crane or forklift truck using belts of appropriate load capacity and length.

14 ASSEMBLY

14.1 Checking Scope of Supply

Check the machine immediately after delivery for transport damage and missing parts.

14.2 The workplace

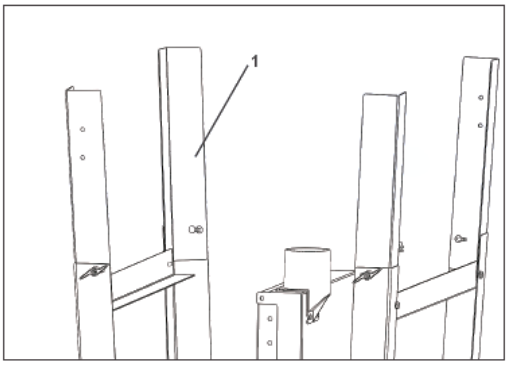
Choose a suitable place for the machine. Pay attention to the safety requirements and the dimensions of the machine. The selected location must ensure a suitable connection to the electrical network as well as the possibility of connection to a dust collection system. Make sure that the machine is placed on a solid and level surface and that the ground can support the load of the machine. The machine must be levelled simultaneously at all support points. It is also necessary to secure a distance of at least 0.8 m around the machine. In front of and behind the machine, the necessary distance must be provided for the feeding of long workpieces.

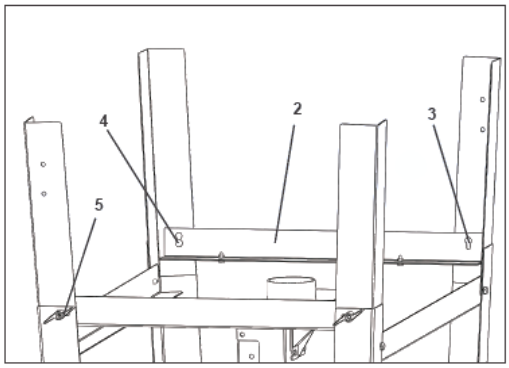
14.3 Assembling the machine

The machine has been disassembled for transport and must be assembled before use. Follow the instructions below:

WARNING

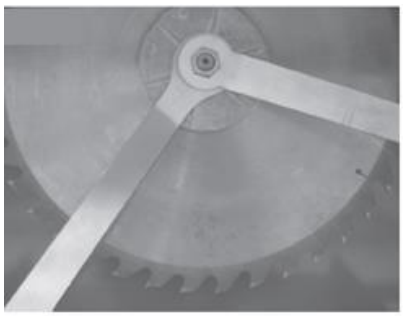
Handling the machine with the mains supply intact can result in serious injury or death. Therefore, do not connect the machine to the power supply before completing the assembly.





Assembly base-frame

- Raise the lower support leg (1).
- Mount the short cross support (2), align the mounting hole (3) and tighten the half-round cap screws (4) with locking knobs (5).
- Then set the machine up



Assembly saw blade:

Loose two screws M8 (S) on the saw blade cover (1).

- Swivel off the saw blade cover.
- Loosen the clamping nut (M20, left-hand thread).

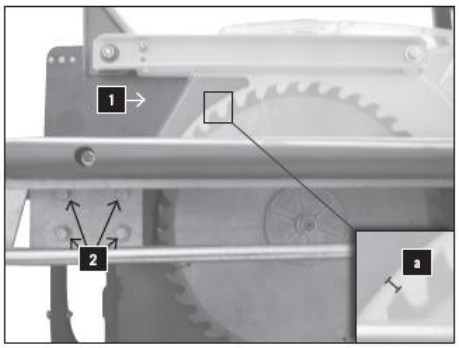
CAUTION

When handling circular saw blades when changing tools, please use safety gloves to avoid risk of injury.

• Install the saw blade.

NOTE: Use only well sharpened, crack-free and not deformed saw blades.

- Tighten clamping nut, with holding wrench (LEFT-HAND THREAD!!)
- Fold up the saw blade cover and tighten both screws M8 again.

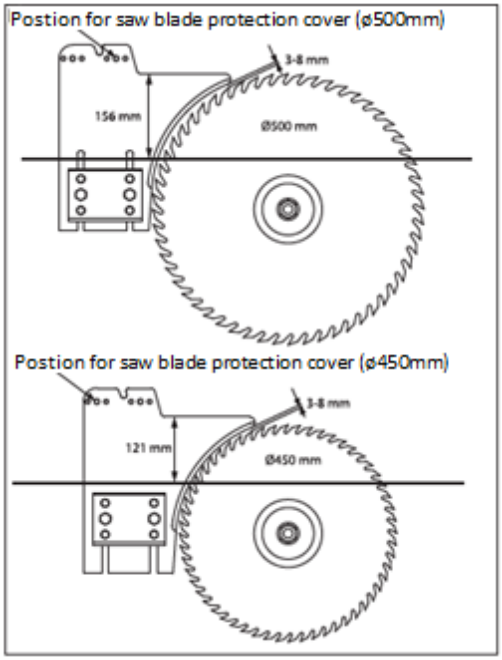


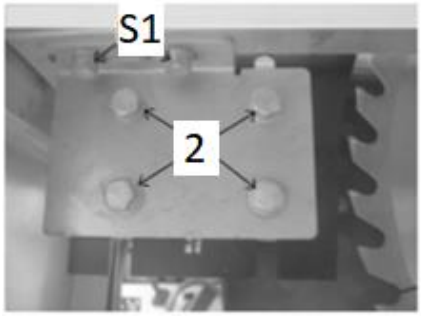
Assembly riving knife with saw blade protection cover.

- Place the already mounted saw blade protection cover with riving knife from above between guide plate and clamping plate.
- Set the distance between riving knife and saw blade to 3 - 8 mm (a) and tighten the clamping plate with four hexagon head screws and washers (2).

NOTE:

- The cover is mounted ready for operation and must not be removed for operation.
- Make sure that the cover always rests on the table top with its own weight, but that the two screws are tightened backlash-free.





-Adjustment of riving knife (alignment):

The riving knife must be aligned with the saw blade, otherwise it must be corrected. Loosen the 2 hexagon head screws (S1) on both sides.

Align the riving knife.

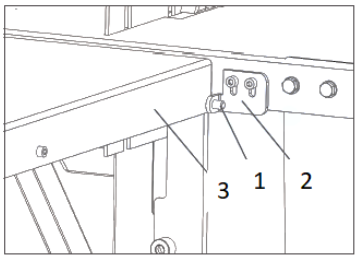
Slightly tighten the hexagon head screws (S1).

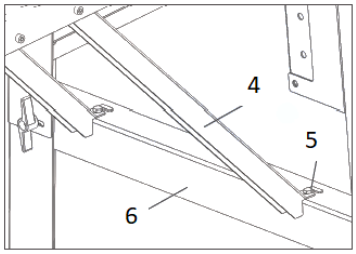
Align the riving knife to the saw blade and retighten the four hexagon head screws (S1).

Check the gap setting for the saw blade.

The distance between saw blade and riving knife must not exceed 8 mm and must be at least 3 mm. This setting should be checked and re-adjusted if necessary.

To do this, loosen the 4 hexagon head screws (2) and adjust the height of the riving knife.



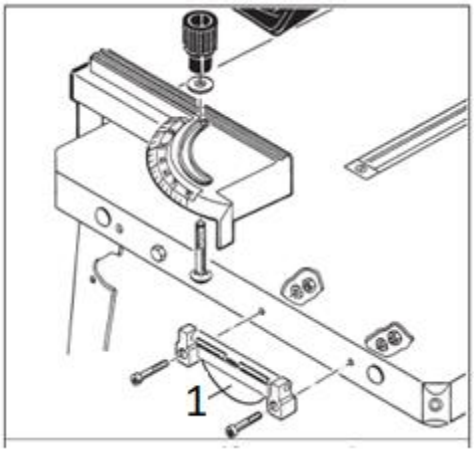


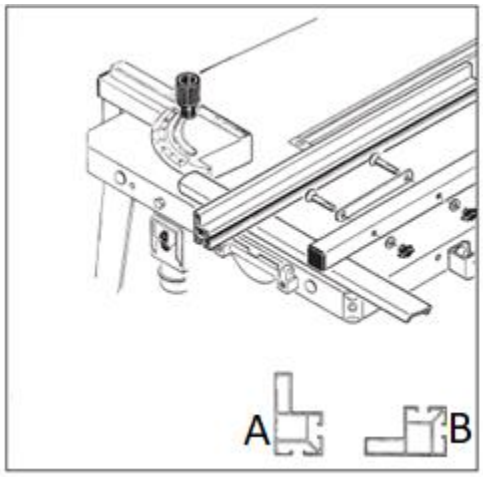
Assembly table extension

- Assemble the table extension (1) to the right and left of the main table (2) with two screws (3), washers and nuts each. Tighten the nuts lightly by hand.
- Fold out support bracket (4) for table extension and engage table.

Adjust the height of the table extension:

- Place the ruler on the saw table and the table extension and align the table extension in height, tighten with the screws on the saw table (3) and on the support (5).



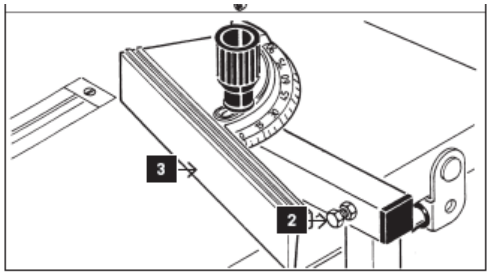


Assembly rip-fence

- Fasten the clamping device (1) for the rip-fence(stop) to the table top with two cheese head screws M6, two washers and two nuts.
- Attach the fixing plate (2) to the stop fixing (3) using two M6 screws, two washers and two nuts.

NOTE do not tighten yet.

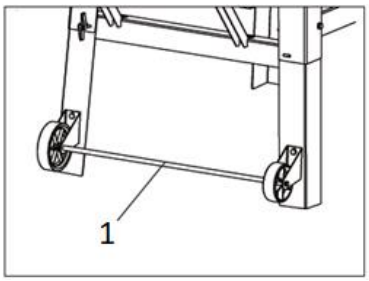
- Insert stop
  High contact surface in position (A)
  Low contact surface in position (B)
  and then clamp it.
- Insert rip fence in clamping device
  Operation instruction:
  Locking/clamp = lift flap
  release = press down the flap



<u>Assembly mitre gauge:</u>

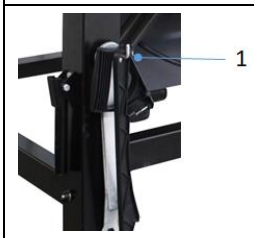
- Insert a round-head screw M8 x 70 from below into the mitre gauge, fix with 8 mm washer and handle.

Carry out adjustment:
Adjust the 90° angle between the stop (3) and the saw blade using the hexagon head screw (2). (Use a right angle gauge...not included in the scope of delivery and then make a test cut for verification).



Assembly transport wheels

- Assemble the wheel group (1) to the lower support leg using bolts and nuts.



<u>Assembly hook for push-stick -tools:</u>

Attach the hook to the frame using the nut

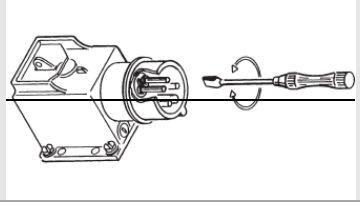
15 ELECTRICAL CONNECTION

WARNING

Dangerous electrical voltage! The machine may only be connected to the mains supply and the associated checks carried out by a qualified electrician or under the instruction and supervision of a qualified electrician!

NOTE

Immediately after making the electrical connection, check the running direction of the band saw rollers. Observe the direction arrow on the machine. The running direction is correct if the saw band runs from top to bottom. If this is not the case, swap two phases, e.g: L1 and L2, on the mains plug or on the phase changing switch.



The electrical connection is made via a switch-plug combination. This device must be operated via a residual current circuit breaker.

15.1.1 Establishing a 400 V connection

To connect the machine to the electrical mains, proceed as follows:

- Use a suitable device to check the functionality of the zero connection and earthing.
- Check that supply voltage and current frequency correspond to the specifications on the machine nameplate. A deviation of ± 5 % from the value of the supply voltage is permissible. For example, a machine with a working voltage of 380 V can work in the voltage range from 370 to 400 V. The machine can be operated with a working voltage of 380 V in the voltage range from 370 to 400 V. The machine can also be operated with a working voltage of 380 V in the voltage range from 370 to 400 V. There must be a short-circuit fuse in the power supply of the machine!
- For the required cross-section of the supply cable please refer to the current-carrying capacity table.
- It is recommended to use a cable of type H07RN (WDE0282), which must be protected against mechanical damage.
- Connect the supply cable to the appropriate terminals in the input box (L1, L2, L3, N, PE) - see the figure below. If a CEE plug is present, the connection to the mains is made via an appropriately supplied CEE coupling (L1, L2, L3, N, PE).

15.2 Connecting to a dust collection system

NOTE

The machine must be connected to dust collection system. The system must start up at the same time as the motor of the band saw starts. For materials with a humidity <12 %, the air velocity at the dust collector port and in the hoses must be at least 20 m/s (for moist chips with a humidity >12 %, at least 28 m/s). The suction hoses used must be flame-retardant (DIN4102 B1), permanently antistatic (or grounded on both sides) and comply with the relevant safety regulations. Requirements for the dust collection system refer to the technical data.

16 OPERATION

16.1 Initial check before start

- Check that the max. speed of the machine is lower than the max. permissible speed of the used saw blade and direction is correct.
- Use only sawblades with a diameter of between 450 and 500mm.
- The riving knife is correctly adjusted.
- Saw blade is not damaged.
- All guards are fitted and in proper condition.
- If necessary, check whether the connection to a dust collection system is available.

WARNING

The guards must not be manipulated; in particular, the self-closing mechanism of saw blade guards must not be blocked (e.g. by using keys).

16.2 Operation

16.2.1 Starting the machine

1. Starting saw blade movement by pressing button (1)

16.2.2 Stopping machine

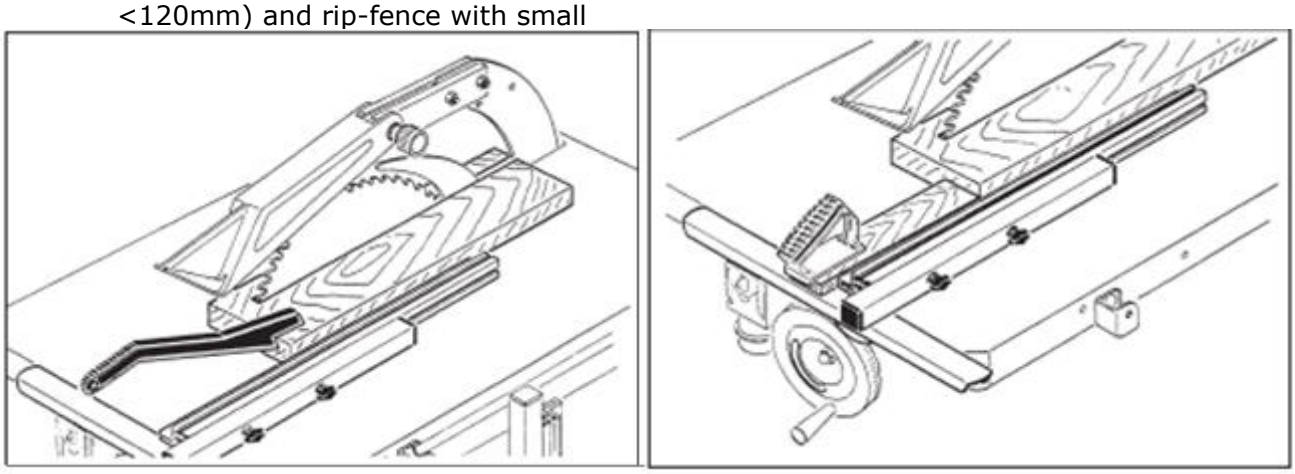
Normal stop:
Press the OFF-button (2). Both blades stop movement.

16.3 Notes on using the table saw

16.3.1 Longitudinal cuts

When performing this operation, the following equipment shall be used for safe working:

- Rip-fence
- the guard of the saw blade
- the riving knife
- the insert in the table
- push stick when cutting small workpieces (distance between saw blade and fence <120mm) and rip-fence with small



NOTICE

When cross-cutting round timber, a template or a holding device is necessary to secure the workpiece against twisting and the use of a suitable saw blade is necessary.

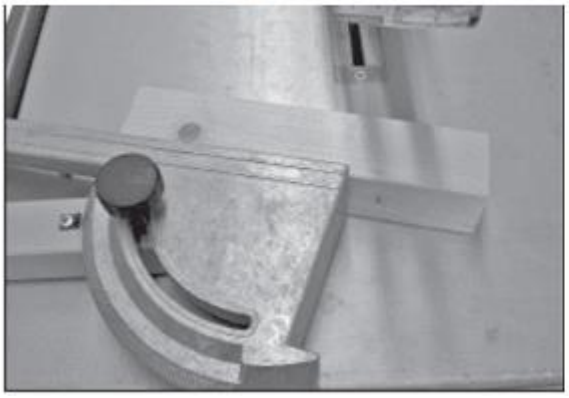
16.3.2 Mitre cuts (cross-cuts) and wedge-cutting

When performing this operation, the following equipment shall be used for safe working:

- Mitre gauge (ready for use by lifting onto the saw table)
- the guard of the saw blade
- the riving knife
- the insert in the table

Cross-cuts:
Mitre cuts in the range 0-90° can be carried out by pressing the workpiece to be cut firmly against the stop surface of the mitre gauge.
Wedge cuts:
To do this, set the rotary part to 0° and secure it with the adjusting handle. Place the workpiece in the recess and saw through with even pressure.

Mitre cuts (cross-cuts)



Wedge-cutting

CAUTION

Feed only with the hand on the mitre gauge (hands away from the wood)

WARNING

Only remove workpieces (wedges) after the machine has come to a stand-still. To do this, switch off the machine and wait for the saw blade to come to a standstill.

17 CLEANING, MAINTENANCE, STORGE, DISPOSAL

17.1 Cleaning

NOTE

Wrong cleaning agents can attack the varnish of the machine. Do not use solvents, nitro thinners, or other cleaning agents that could damage the machine's paint. Observe the information and instructions of the cleaning agent manufacturer!

Regular cleaning is also a prerequisite for the safe operation of the machine and its long service life. Therefore, clean the device after each use and remove dust and dirt. Use personal protective equipment (gloves and eye protection when using compressed air). Ensure that the saw blade protection is free from wood residues and sawdust. Cleaning is best done with compressed air or a hand brush. Also make sure that you keep the table surface free of resin.

17.2 Maintenance

WARNING

Handling the machine with the power supply up can lead to serious injuries or even death. Always disconnect the machine from the power supply before servicing or maintenance work and secure it against unintentional or unauthorised reconnection!

The machine is low-maintenance and only a few parts have to be serviced. Nevertheless, malfunctions or defects which could impair the safety of the user must be rectified immediately!

- Before each operation, check that the safety devices are in perfect condition.
- Check the connections for tightness at least once a week.
- Regularly check that the warning and safety labels on the machine are in perfect and legible condition.

17.2.1 Maintenance schedule

The type and degree of machine wear depend on the operating conditions. The following intervals apply when the machine is used within the specified limits:

interval	components	activity
Before usage	machine	Cleaning the machine
Before usage	machine	Removal of all loose parts / tools
1 x month	Moving parts	Greasing / lubrication of guides / gear racks / wheels
1x month	break	Function test to determine that the spindles have stopped within the specified time (<10s)

17.2.2 Saw blade exchange

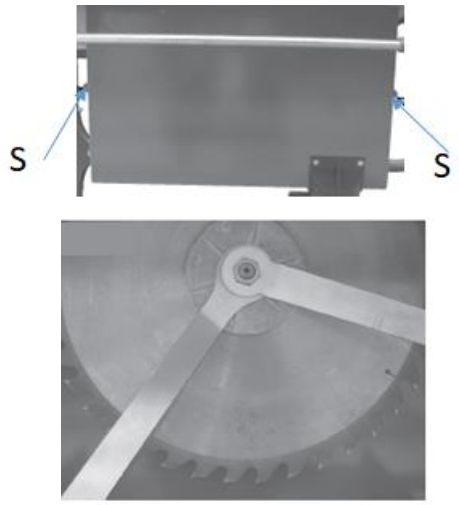
CAUTION

Before any manual tool change, stop the spindles, wait for standstill of all tools and prevent an unintentional restart = unplug the power supply.

CAUTION

During tool change, please use cut protection gloves to avoid risk of injury.

Assembly /Disassembly of saw blade



Loosen the two screw M8 (S) on the saw blade cover (1).

- Swivel off the saw blade cover.
- Loosen the clamping nut (M20, left-hand thread)
- Remove the saw blade and install a new one.

NOTE: Only use well sharpened, crack-free and not deformed saw blades.

- Tighten clamping nut, with holding wrench.

ATTENTION: Check riving knife adjustment

17.3 Storage

NOTE

Improper storage can damage and destroy important machine parts. Store packed or unpacked parts only under the intended ambient conditions!

17.4 Disposal

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

18 Troubleshooting

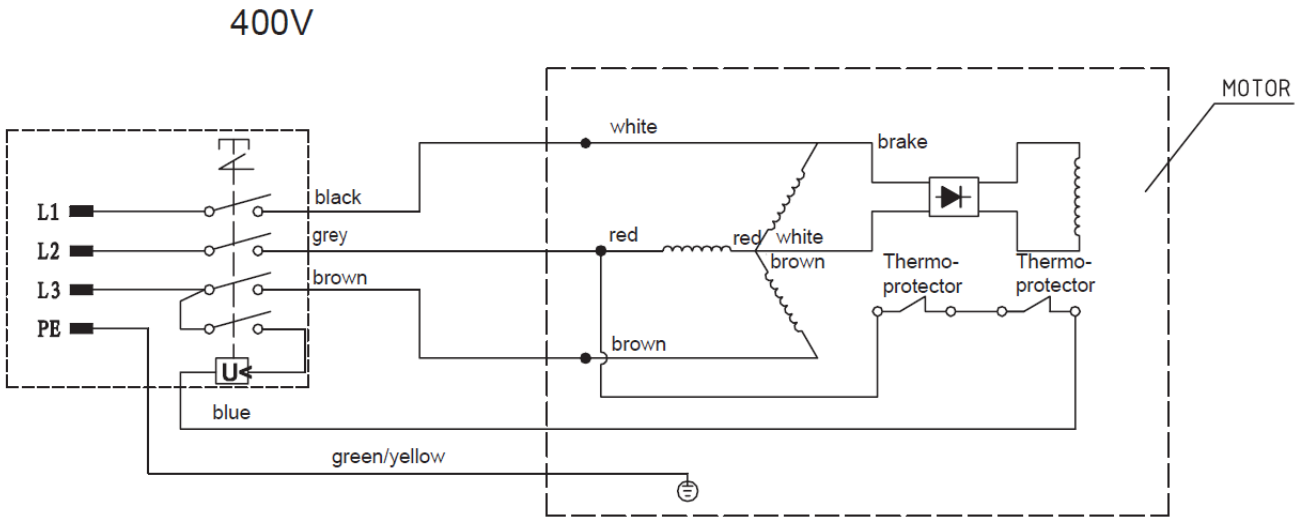
WARNING

Handling the machine with the power supply up can lead to serious injuries or even death. Always disconnect the machine from the power supply before servicing or maintenance work and secure it against unintentional or unauthorised reconnection!

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

Trouble	Possible cause	Solution
Machine does not start	• Emergency stop switch to switch off • switch or a phase is broken • Overload protection is triggered. • Safety fuse is blown • Open cover plate for saw blades	• Turn the emergency OFF switch to the right to unlock to • Repair the defective circuit or the faulty phase • Wait until the engine cools down • Replace the fuse • Cover plate close
Burn marks on the workpiece	• The blade is blunt • Wrong saw blade • Rip-fence not parallel to saw blade	• Replace the blade • Replace the blade • Adjust rip-fence
Low power / motor overload	• Dull saw blade • Only 2 phases intalled	• Replace blade • Check power supply
Saw blade get loose after motor is switched off	• Fixing nut too lightly fastened	• Tighten fixing nut
	•	•
Workpiece clamped while advancing	• dull blade • Riving knife thickness does not match the used blade	• Replace with sharp blade • Splitting wedge thickness must be greater than or equal to blade thickness.
Wrong saw blade direction	• Socket wrongly tapped	• Change polarity of socket (phase-changing)

19 SCHALTPLAN / WIRING DIAGRAM



20 ERSATZTEILE / SPARE PARTS

20.1 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/Teilen nur Originalersatzteile verwenden

Beim Bestellen von Ersatzteilen verwenden Sie bitte das Serviceformular, das Sie am Ende dieser Anleitung finden. 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.

Bestelladresse sehen Sie unter Kundendienstadressen im Vorwort dieser Dokumentation.

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

IMPORTANT

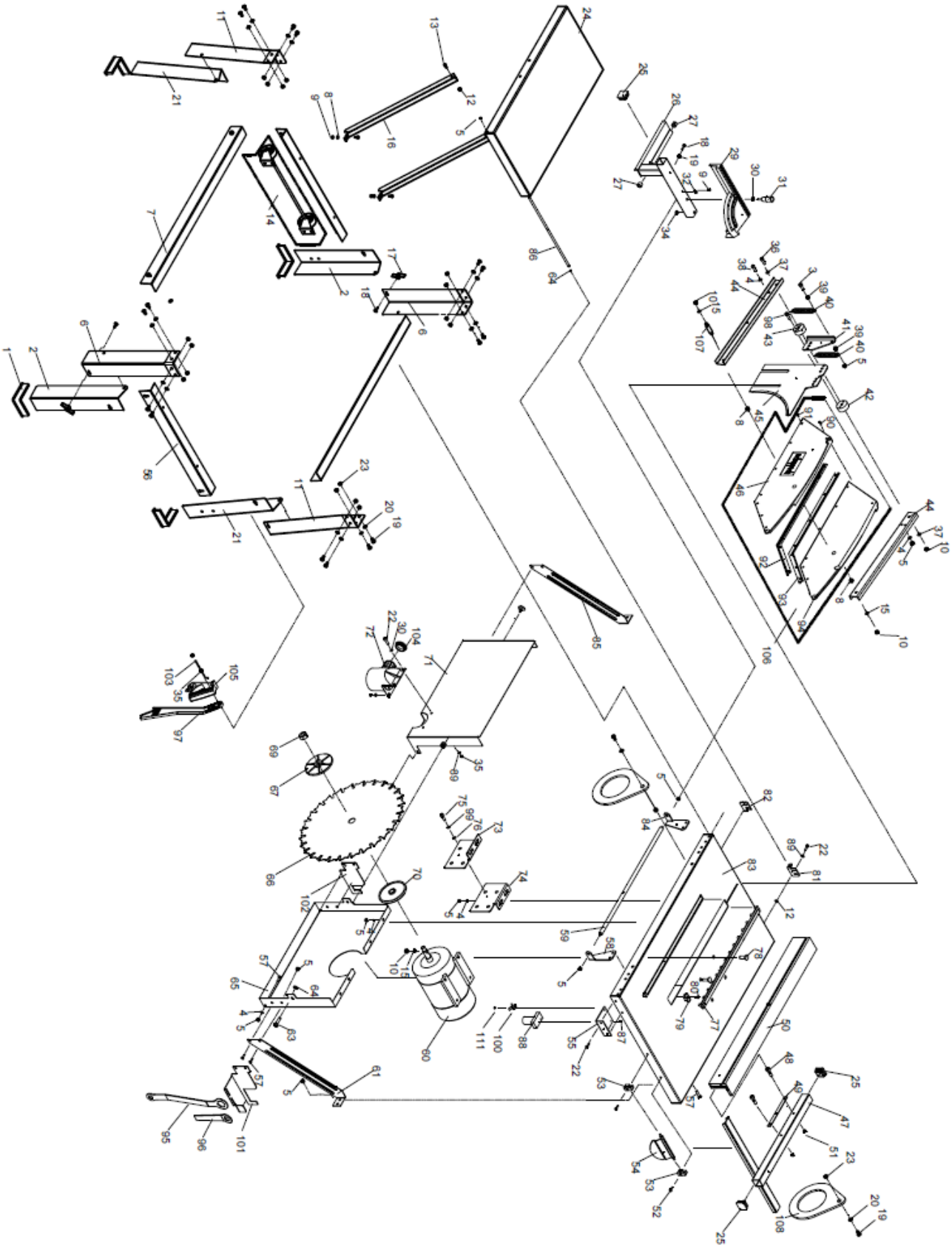
The installation of other than original spare parts voids the warranty!

So you always have to use original spare parts

When you place a spare parts order please use the service formular you can find in the last chapter of this manual. Always take a note of the machine type, spare parts number and partname. We recommend to copy the spare parts diagram and mark the spare part you need.

You find the order address in the preface of this operation manual.

20.2 Explosionszeichnungen / Exploded View



No.	Part name	Spec	Qty	No.	Part name	Spec	Qty
1	Rubber foot		4	55	Switch retaining plate		1
2	Leg（Left below）		2	56	Short beam		2
3	Hex bolt	M8*60	4	57	Hexagon nut	M8*16	36
4	Flat washer 8	Φ8	26	58	Slide shaft retaining plate 2		1
5	Locknut	M8	25	59	Sliding axle		1
6	Leg（Upper left）		2	60	Motor assy		1
7	Long beam		2	61	Back support plate of blade guard		1
8	Shaft inner sleeve		2	62	Spring washer	Φ8	8
9	Philips screw	M5*8	1	63	Hexagon nut	M8*30（Grvoeed）	2
10	Locknut	M10	15	64	circlip for shaft	Φ8	3
11	Leg（Upper right）		2	65	Fixed guard		1
12	Locknut	M6	22	66	Blade		1
13	Hex bolt	M6X30	2	67	Activity clamp		1
14	Wheel assy		1	68	Flat washer	Φ16	1
15	Flat washer	Φ10	14	69	Hexagon nut with flange face	M16(Left)	1
16	auxiliary support		2	70	Fixed clamp		1
17	Lock handle	M6	2	71	Movable cover		1
18	Half-round head low square neck bolt	M6X16	4	72	Dust collecting port		1
19	Nut	M5	1	73	Separating knife left fixing plate		1
20	Flat washer	Φ8	2	74	Separating knife right fixing plate		1
21	Leg（Right below）		2	75	Hexagon bolt	M12*25	4
22	Hexagon bolt	M6*16	18	76	Flat washer 12		4
23	I type hexagon flange nut	M8	20	77	Armor plates		2
24	Auxiliary table		1	78	Hexagon socket countersunk head screw	M10*30	4
25	Fence plug		4	79	Saw plate chuck		1
26	Mitre gauge connection assembly		1	80	Philips screw	M6*20	1
27	Sliding sleeve		2	81	Auxiliary table rotating support plate2		1
28	Hexagon bolt	M6*20	1	82	Auxiliary table rotating support plate1		1
29	Mitre gauge		1	83	Main table assembly		1
30	Big flat washer 6		5	84	Slide shaft retaining plate1		1
31	Mitre gauge lock handle		1	85	Saw blade front support plate		1
32	Pointer		1	86	Rotating shaft of auxiliary table		1
33	Philips screw	M6*10	1	87	Philips screw	ST4.2*16	5
34	Mitre gauge connect plate		1	88	Switch		1
35	Hexagon nut	M6	7	89	Flat washer	Φ6	23
36	Hexagon bolt	M10*70	1	90	Philips screw	ST3.5*30	9
37	Big flat washer	Φ10	2		Philips screw	M2.9*10	14
38	Hexagon bolt	M8*70	2	92	Left separation blade		1
39	Hexagon nut	M8	10	93	Right separation blade		1
40	Tension spring		2	94	Right shield		1
41	Spring plate		1	95	Wrench 1		1
42	Left bearing seat		1	96	Wrench 2		1
43	Right bearing seat		1	97	Push hand		1
44	Cover arm		2	98	Hexagon socket cylindrical head bolt	M8*30	2
45	Riving knife		1	99	Spring washers	Φ12	4
46	Left cover		1	100	Line card		1
47	Fence fastening component		1	101	Front Support plate against ruler		1
48	Half-round head low square neck bolt	M6*55	2	102	Back Support plate against ruler		1
49	Fence fasten plate		1	103	Push hand hook		1
50	Fence		1	104	Dust cover		1
51	Butterfly nut	M6	2	105	Push hand (short)		1
52	Screw	M6*30	2	106	Upper cover assembly		1
53	Lock handle retaining block		2	107	Rotating shaft of shield		1
54	Eccentric locking handle assembly		1	108	Rings		2