

Originalfassung

DE BETRIEBSANLEITUNG

FORMATKREISSÄGE

Übersetzung / Translation

EN USER MANUAL

PANEL SAW

FR MODE D'EMPLOI

SCIE À FORMAT

RO INSTRUȚIUNI DE OPERARE

FERĂSTRĂU CIRCULAR

IT ISTRUZIONI PER L'USO

SEGA CIRCOLARE PER SQUADRATURA

NL GEBRUIKSAANWIJZING

FORMAATCIRKELZAAG

SE BRUKSANVISNING

FORMATCIRKELSÅG

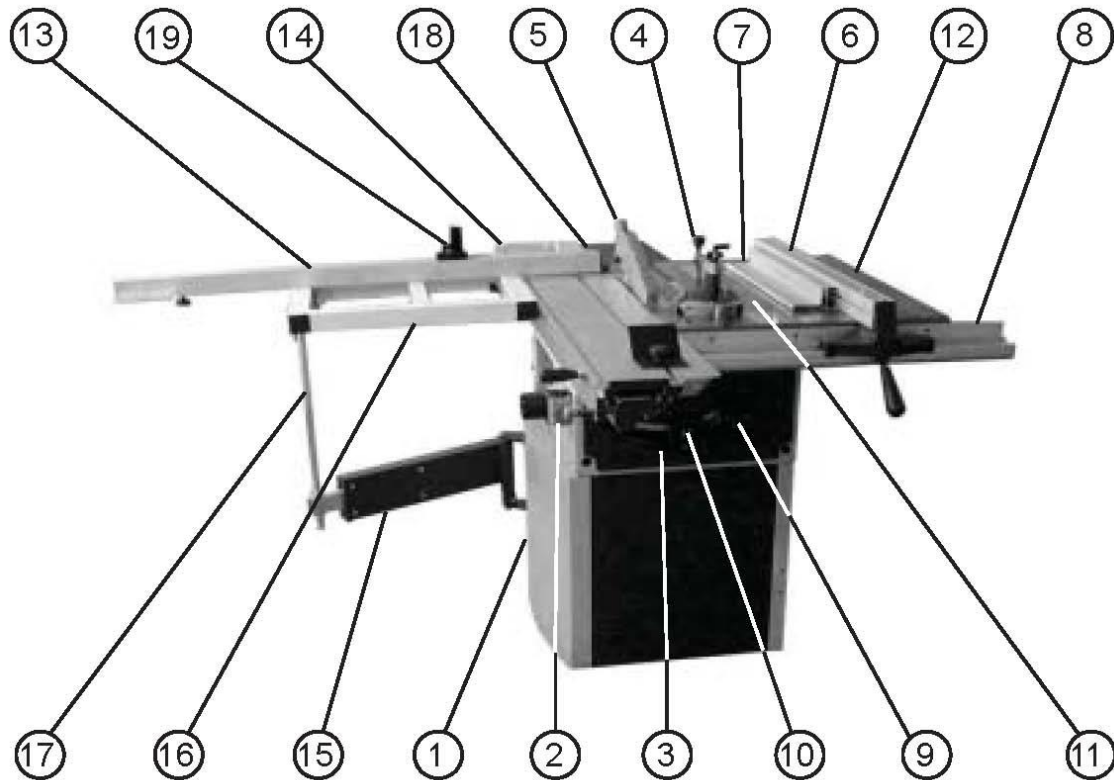


TS 250F



3 TECHNIK / TECHNIC

3.1 Komponenten / components



Nr	Bezeichnung / Description
1	Grundgestell / Box stand / Chassis / Châssis / Podstavec / Suport de bază / Telaio di base / Basisonderstel / Stomme
2	EIN-AUS Schalter NOT-AUS Schalter / ON-OFF switch with Emergency Stop / Interruptor encendido-apagado / Interrupteur ON-OFF-arrêt d'urgence / Vypínač ZAPNUTO-VYPNUTO NOUZOVÁ vypínač / Butoane PORNIT-OPRIT Opritor DE URGENTĂ / Interruttore ON-OFF Interruttore ARRESTO EMERGENZA / AAN-UIT schakelaar NOODSTOP schakelaar / På avknapp nödstoppsknapp -
3	Sägeaggregat / Saw unit / Unidad de sierra / Agrégat de scie / Pilový agregát / Ferăstrău / Gruppo sega / Zaagaggregaat / Sågaggregat
4	Gehrungsanschlag / Miter gauge / Riel trasero / Guide d'onglet / Úhlovací pravítko / Opritor de colț / Arresto per tagli obliqui / Verstekaanslag / Gering-anslag
5	Sägeblattschutz m. Absaugstutzen / blade guard / Protector del disco con aspiración / Protection de lame avec buse d'aspiration / Kryt pilového kotouče s přípojkou odsávání / Capac protecție pânză cu racord de exhaustare / Proteggi-lama c. bocchettoni di aspirazione / Zaagblad afdekking met afzuigmof / Sågbladsskydd m. utsugningsstöd
6	Parallelanschlag / rip fence / Guia de cortes / Guide parrallèle / Podélné pravítko / Riglă paralelă / Arresto parallelo / Parallele aanslag / Parallellanschlag

7	L-Anschlag / L-fence extrusion / Tope / Butée / L-pravítko / Opritor în formă de L / Arresto a L / L-aanslag / L-anlag
8	vordere Schiene / fence rail / Riel delantero / Rail avant / Přední lišta / Șină din față / Guida anteriore / voorste rail / främre skena
9	Höhenverstellung Sägeblatt / Saw blade height adjustment / Volante de inclinación del disco / Volant d'inclinaison de lame / Výškové přestavení pilového kotouče / Reglare de înălțime pânză de circular / Regolazione altezza lama zaagblad / Hoogteverstelling zaagblad / Høj- och sänkbart sågblad
10	Neigungswinkel Sägeblatt / Tilt angle blade / Volante ajuste de altura del disco / Volant réglage hauteur de lame / Úhel náklonu pilového kotouče / Înclinare pânză de circular / Angolo d'inclinazione lama / Hellingshoek zaagblad / Lutningswinkel sågblad
11	Arbeitstisch / work table / Mesa principal / Table principale / Pracovní stůl / Masa de lucru / Tavolo di lavoro / Tafel / Arbetsbord
12	Verbreiterungstisch / table extension / Mesa de extensión derecha / Rallonge de table droite / Rozšíření stolu / Masă extensibilă / Tavolo allungabile / Verbredingstafel / Utbredningsbord
13	Führungslinial / guide ruler / Guía telescópica / Guide d'onglet télescopique / Vodící pravítko / Riglă de ghidare / Riga di guida / Geleideliniaal / Styrningslinjal
14	Schiebetisch / sliding carriage / Carro de aluminio / Table roulante aluminium / Posuvný stůl / Masa mobilă / Tavola scorrevole / Schuiftafel / Skjutbord
15	Schiebetischführung / Sliding arm assembly / Brazo telescópico / Guide de table roulante / Vedení posuvného stolu / Ghidaj masă mobilă / Guida per tavola scorrevole / Geleiding voor schuiftafel / Skjutbordsstyrning
16	Schiebetischausleger / Sliding table outrigger / Mesa de escuadrar / Bras de table roulante / Výložník posuvného stolu / Consolă masă mobilă / Braccio per tavola scorrevole / Schuiftafel dwarsarm / Skjutbordsavläggare
17	Stützarm / Support bracket / Soporte / Support / Podpůrné rameno / Braț de susținere / Braccio di supporto / Steunarm
18	Tischverlängerung / rear table extension / Mesa de extensión trasera / Rallongement arrière de table / Prodloužení stolu / Prelungire masă / Prolunga tavola / Tafelverlenging / Bordsförlängning
19	Kippanschlag / Flip stop / Tope abatible / Butée de longueur / Sklopný doraz / Limitator pentru înclinație / Arresto anti-rovesciamento / Kiepaanslag / Tippningsstopp

3.2 Technische Daten / technical details

Netzspannung / main connection / Voltaje-frecuencia / Voltage-fréquence / Napětí sítě / Tensiune pe rețea / Tensione di rete / Netspanning / Nätspänning	V/Hz	230V / 400V / 50Hz
Motorleistung S1 (100%) -S6 / engine power / potencia motor / Puissance moteur / Výkon motoru / Putere motor / Potenza motore / Motorcapaciteit / Motoreffekt	kW / (S6)	2,1 / 2,9
Drehzahl / speed / Velocidad / Vitesse de rotation / Otáčky / Număr de rotații / Numero di giri / Toerental / Varvtal	min ⁻¹	4000
Sägeblatt Ø / saw blade Ø / Ø disco / Ø du disque / Pilový kotouč Ø / Ø pânză de circular / Lama Ø / Zaagblad Ø / Sågblad Ø	mm	250
Sägeblattbohrung Ø / saw blade bore / diámetro de hoja de sierra / Ø Alésage de la lame de scie / Vrtání pilového kotouče Ø / Alezaj pânză de circular / Foro lama Ø / Zaagblad boorgat Ø / Borrhål sågblad Ø	mm	30
Arbeitstischgröße / work table size / Medidas mesa / Dimensions table / Rozměr pracovního stolu / Dimensiunea mesei de lucru / Dimensioni tavolo di lavoro / Tafelafmeting / Arbetsbordets storlek	mm	680 x 800
Tischhöhe / table height / Altura de la mesa / Hauteur table / Výška stolu / Înălțime masă / Altezza banco / Tafelhoogte / Bordshöjd	mm	900
Format-Schiebetischgröße / sliding table size / Medidas del carro / Dimensions table coulissante / Rozměr posuvného stolu / Dimensiunea mesei mobile / Dimensioni tavola scorrevole del formato / Formaat-schuiftafel afmeting / Format-skjutbordsstorlek	mm	1650 x 250
Besäumlänge / trimming size / Longitud de corte / Longueur de coupe / Sámovací délka / Lungimea maximă de tăiere / Lunghezza di rifilatura / Kant lengte / Kantlängd	mm	1250
Schwenkbereich / Swivel range / Inclinação / Inclinaison / Rozsah natočení / Înclinare / Area di rotazione / Zwenkbereik / Svängområde		90° - 45°
maximale Schnitthöhe / maximum cutting height / Capacidad de corte / Hauteur de coupe max. / Max. výška řezu / Înălțime maximă de tăiere / max. altezza di taglio / maximale snijhoogte / maximal skärhöjd	mm	83 (90°) 59 (45°)
max. Schnittbreite mit Parallelanschlag / max. Cutting width with rip fence / max. Ancho de corte con la guía paralela / Largeur max. de coupe avec guidage parallèle / Max. šířka řezu s podélným pravítkem / Lățime maximă de tăiere cu riglă paralelă / max. larghezza di taglio con arresto parallelo / max. snijbreedte met parallele aanslag / max. skärbredd med parallellanslag	mm	590
Adapter Absaugstutzen Ø / suction connection Ø / Ø boca de aspiración / Ø buse d'aspiration / Adaptér přípojky odsávání Ø / Ø adaptor racord de exhaustare / Adattatore bocchettone di aspirazione Ø / Adapter afzuigmof Ø / Adapter utsugningsstöd Ø	mm	100
Gesamtabmessungen L x B x H / Overall dimensions L x W x H / Medidas de la máquina / Dimensions de la machine / Celkový rozměr / Dimensiune totală / Dimensioni totali / Totale afmeting / Total dimensioner	mm	2080 x 1292 x 1080
Gewicht / weight / Peso / Poids / Hmotnost / Greutate / Peso / Gewicht / Vikt	kg	178 kg

10 PREFACE (EN)

Dear Customer!

This manual contains Information and important instructions for the installation and correct use of the Electric drill bit sharpener TS 250F.

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



Please read and obey the security instructions!

Before first use read this manual carefully. It eases the correct use of the machine and prevents misunderstanding and damages of machine and the user's health.

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 machine receipt and unpacking before putting the machine into operation.

Please understand that later claims cannot be accepted anymore.

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CUSTOMER SERVICE CONTACT

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11 SAFETY

11.1 Intended use

The machine only in technically perfect condition in accordance with, safety and danger, use it! Interference, which could affect safety, must be rectified immediately!

It is generally prohibited to modify safety equipment of the machine or to make ineffective!

The Panel saw TS 250F is exclusively for cutting wood-based materials (solid, particle board, veneer, etc.) determined.

For a different or additional use and resulting damage or injury takes HOLZMANN MASCHINEN no responsibility or warranty.

11.1.1 Working conditons

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

humidity	max. 70%
temperature	+5°C to +40°C +41°F to +104°F

The machine is not intended for outdoor use.

The machine is not intended for use in potentially hazardous conditions.

11.2 Prohibited use

- The operation of the machine under conditions outside of the limits, given in these instructions is not permitted.
- The operation of the machine without the safety devices provided is inadmissible
- The removal or turning off the protection devices is prohibited
- It is not permitted processing of materials with dimensions outside the limits specified in this manual.
- It is not permitted the use of tools that are not for use with TS 200F are suitable.
- The operation of the machine on a way or for any purpose that does not comply with the instructions of this manual to 100%, is prohibited.
- Do not leave the machine unattended, especially when children are not around. DO NOT LEAVE the workplace!

For a different or additional use and resulting property damage or injury takes HOLZMANN-MASCHINEN no responsibility or warranty.

11.3 General Safety

To avoid malfunctions, damage and physical injury **MUST** be observed:

- **Safety must be observed and regularly inspected for completeness!**
- **Warning signs and / or labels on the machine which have been removed must be replaced immediately!**



DANGER

Unauthorized modifications and tampering with the machine immediately invalidate all warranty and damage claims.



Operation of the machine only when sufficient light, at dusk, you should no longer work.

With fatigue, lack of concentration or under the influence of drugs, alcohol or drugs is prohibited to work with the machine!



The machine may only be operated by qualified personnel enrolled.

Third people, especially children, and people are not trained to think of the work environment away!



When working with the machine, do not wear loose jewelry, wide or protruding from the body of clothing, ties, long hair out, etc.

Loose objects can get caught in rotating parts of the machine and cause serious injury!



Appropriate personal protective equipment (safety shoes with steel caps, gloves, safety glasses, hearing protection, ...) wear!



The running machine should never be left unattended! Turn off the machine before leaving the work area and wait until the motor has stopped!



Before maintenance or adjustments, the machine must be disconnected from the power supply!

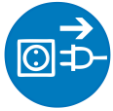
Don't use the inserted power wires for transport or manipulation of the machine!



DON'T TOUCH THE SAW BLADE! Take care of the rotating saw blade during operation.



NO WETNESS! Operation and storage at rain or wet weather is forbidden.



ELECTRICITY! The machine from the power source must be disconnected before servicing.



DANGER

Check and follow the instructions! Non-compliance may result in serious injury or death! HOLZMANN MASCHINEN machines can not be held liable for accidents if safety instructions are not be followed!

11.4 Safety devices

In the design of the machine following protective devices are provided:

- Forced operation of the splitting wedge. This measure is intended to avoid kickback of the workpiece. The setting is in horizontal and vertical direction relative to the saw blade.
- The blade guard is attached to the splitting wedge in order to avoid contact with the blade.
- The blade unit can be submerged entirely under the work table. This you have to remove the blade guard cover from the riving knife.
- device for locking the setting chosen in the vertical and horizontal direction and in an inclined position.
- Flanges for tool attachment. They are fixed by a spline to the shaft for the self-detachment of the tools to avoid the stoppage of the machine.
- nut (left-hand thread!) For tool attachment on the shaft.
- rip fence. Used for precise guiding of the workpiece in the longitudinal cutting. It is also made of crushable material (aluminum).
- The setting of the parallel ruler is possible without the use of tools; the position is read on a measuring scale.
- Electronic brake for electrodynamic braking of the motor. Secures the tool in less than 10 seconds to slow down after the drive off.
- Impeccable sharpened tools.
- The use of blunt tools is not permissible due to kickback, overloading the machine and produce poor surface during machining.
- For cuts less than 120 mm width supplying the material with a push stick must be made, and the stop bar must be in a flat position.

11.5 Residual risk factors

Also in compliance with all safety regulations and when used following residual risks are considered:

- Risk of injury to the hands / fingers through the panel saw blade during operation.
- Risk of injury from contact with live electrical components.
- Risk of injury or ejection fraction or the panel saw blade panel saw blade parts, especially case of overload and in the wrong direction.
- Hearing, unless arrangements have been made by the user for hearing protection.
- Risk of injury from kickback of the cuttings, the ejection of the cut material or parts of there.

- Risk of injury to the eye by flying debris, even with goggles.
- Risk due to inhalation of toxic dust in chemically treated wood Workpieces.

These risks can be minimized if all safety rules are applied, the machine is properly maintained and serviced the machine as intended and is serviced by a trained service professional. Despite all the safety devices and remains her good common sense and your appropriate technical qualification / training on the operation of a machine such as the sliding Panel saw TS 250F is the most important safety factor!

12 ASSEMBLY

12.1 Preparatory activities

12.1.1 Scope of delivery

After receipt of the delivery, if all parts are in order. Report any damage or missing items immediately to your dealer or the shipping company. Visible damage must also be recorded without delay in accordance with the provisions of the warranty on the delivery, otherwise the goods shall be accepted as properly.

content:

Base frame, rip fence guide rail, blade guard with suction, suction hose, stop, boom, ruler, push stick, tilt stop on the ruler, edging shoe, extension table back, broadening table, assembly tool, switch-plug combination, round pin with button.

12.1.2 Workplace

Choose a suitable place for the machine. Observe the safety requirements and the dimensions of the machine.

The selected location must ensure as well as the possibility for connection to an extraction system a suitable connection to the electrical grid.

Make sure that the floor can support the weight of the machine. The machine must be leveled on all bases simultaneously.

You must also secure around a distance of at least **0.8 m** around the machine. Before and behind the machine must be provided the necessary distance for the supply of long workpieces.

12.1.3 Preparation of the surface

Eliminate the preservative, which is applied for corrosion protection of the parts without painting. This can be done with the usual solvents. Here no nitro solvent or similar means, and in no case use water.

NOTE

The use of paint thinners, gasoline, corrosive chemicals or abrasive cleaners will result in damage to the surface!

Therefore:

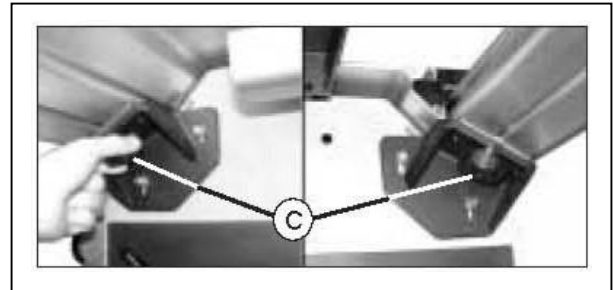
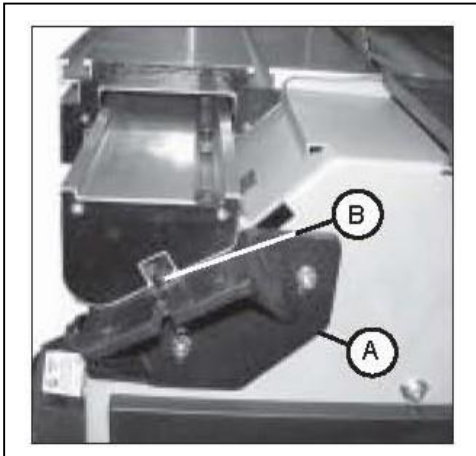
When cleaning, use only mild detergent

12.2 Mounting

The sliding table saw is delivered pre-assembled. Sliding table, boom, broadening table, rip fence and saw blade guard must be mounted.

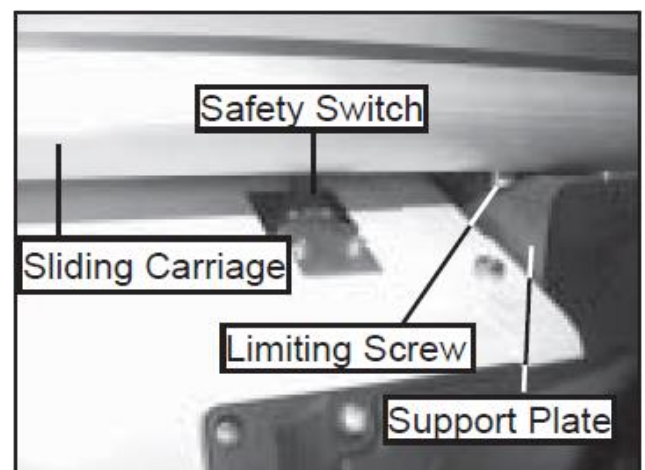
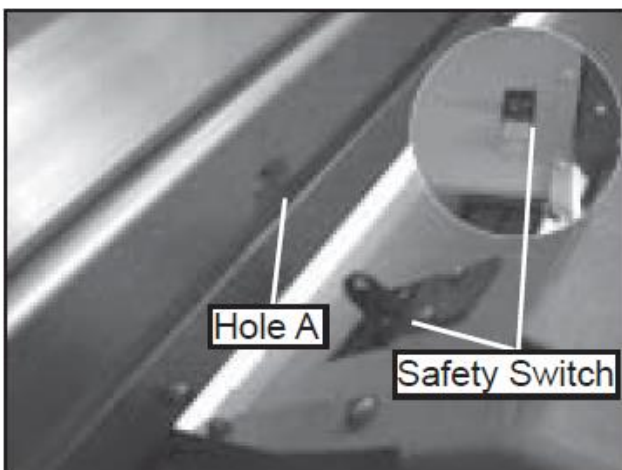
12.2.1 Assembly sliding table

Unpack the sliding table from the box and place it on the marked in the following picture with **A** Rec. Make sure that the sliding table will fit into the rectangular receptacle **B** and then tighten the clamp screws on both sides of **C**.



ATTENTION!

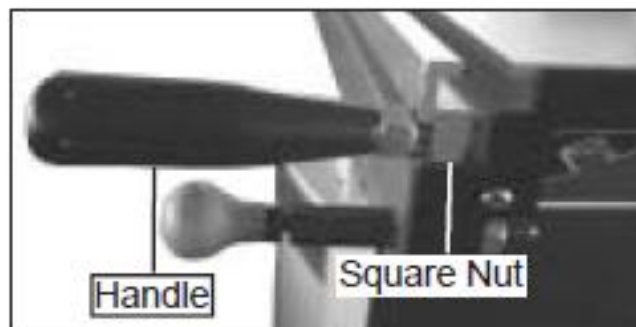
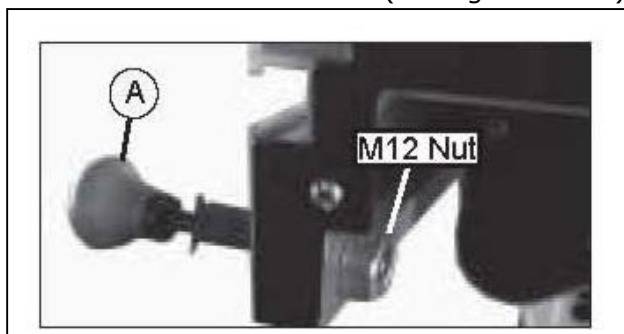
The sliding table support has to be fixed in a defined position. For this purpose, it must be ensured that the safety switch locks into the recess hole **A**. If the safety switch does not lock into the recess, the machine can be started for safety reasons only in jog mode.



12.2.2 Assembly sliding table-fixing and handle

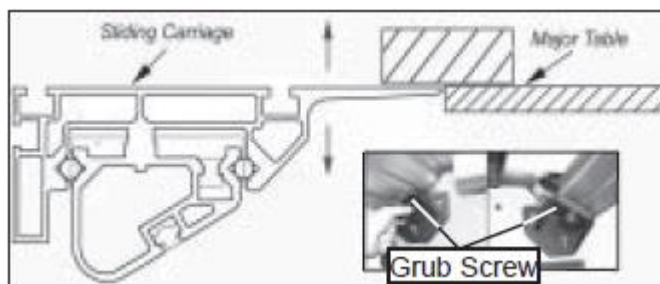
Screw the sliding table fixation **A** visible with the included M12 nut, as in the following image.

The handle **L** to move the sliding table can be fixed by turning clockwise with the previously inserted into the T-slot nut **K** (see figure below)



12.2.3 Fine adjustment of the sliding table

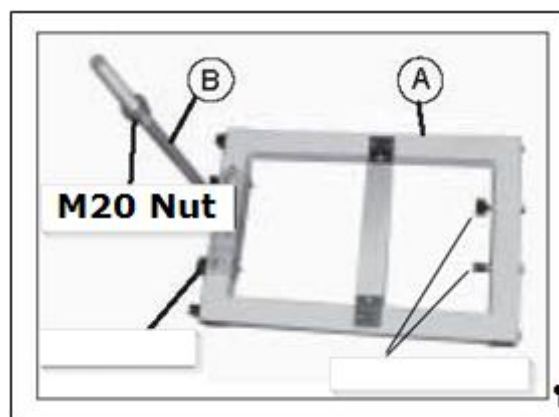
The sliding table must be set so that the main table and the surface of the sliding table of the same height. The aluminum sliding table itself can be slightly adjusted with the two locking screws of the sliding table shots in height.



12.2.4 Mounting bracket

Unpack the frame **A** and the supporting arm **B** of the sliding table arm from the packaging and screw them ready with 2 thumbscrews as the following image.

Then the boom to the aluminum profile of the sliding table must be secured with two thumbscrews **D**. The two lock nuts **M20** must be screwed onto the threads of the support arm. They are used for height adjustment of the boom.

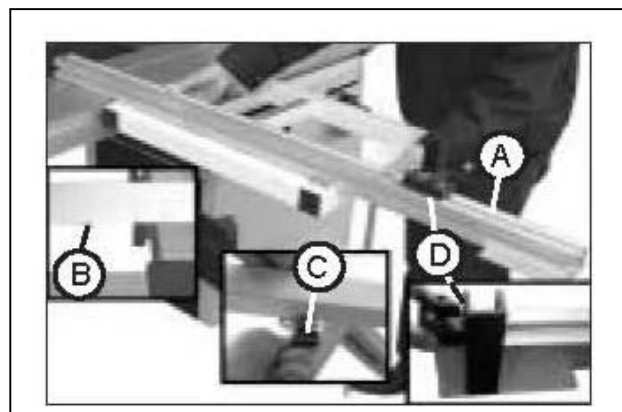


Now hang the support arm into the sliding table guide and adjust it in height by means of the locknut system. The boom must be in level with the main table and the aluminum profile. Once you have made this setting, fix the lock nuts (**M20**) accordingly.



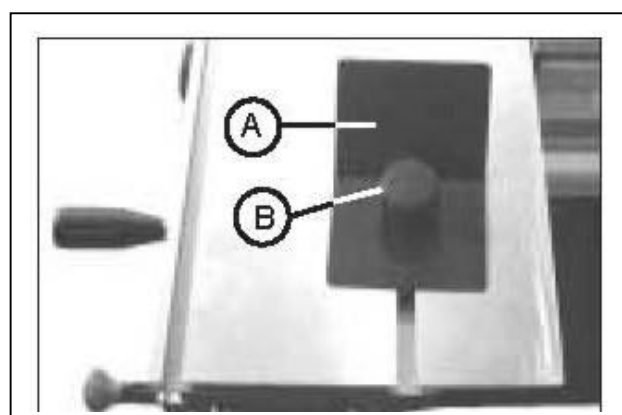
12.2.5 Mounting the ruler

Take the extractable stop rail (**A**) from the sliding carriage carton and put it onto the sliding table frame, with the position pin (**B**) in the hole at the corner of the sliding table. Set it vertical to the sliding carriage and fix it by fasten the wing screw (**C**) beneath. Attach the flip stop (**D**) to stop rail (**A**) and fix it by the wing screw.



12.2.6 Mounting clamping plate

Place the clamping plate (**A**) on the sliding carriage and fix it by knurled screw **B**.



12.2.7 Mounting ON-OFF switch

Insert the supplied gasket into the designated recess on the switch and screw the switch on the housing of the machine with 4 M4x60 screws.

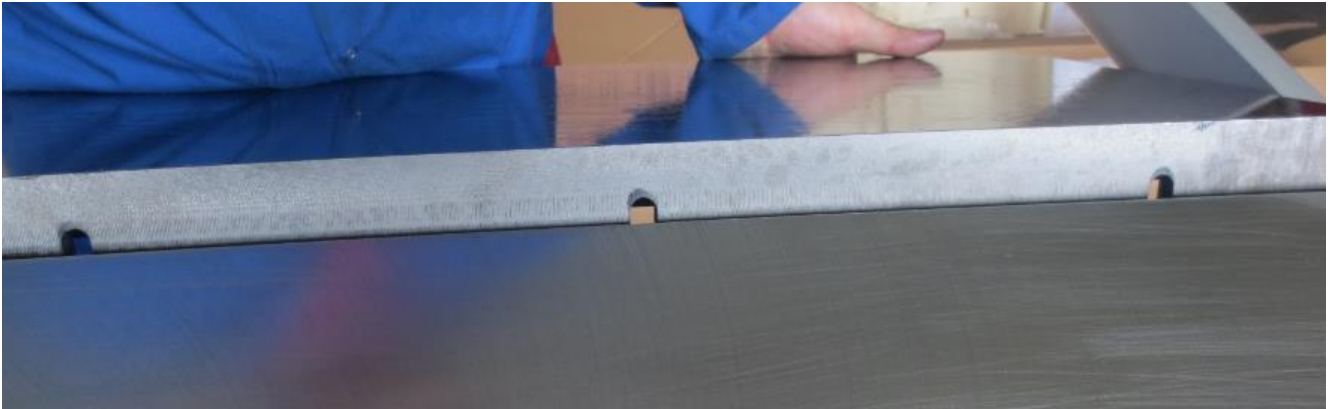


12.2.8 Mounting table extension

Screw the eight M8x30 Allen - screws on the sides, in the provided screw holes, so that each about 10mm protrudes.



Now mount the extra table with the slots in the eight screws.



Tighten the eight screws, keep in mind that the extra table is mounted at the same height as the main table.

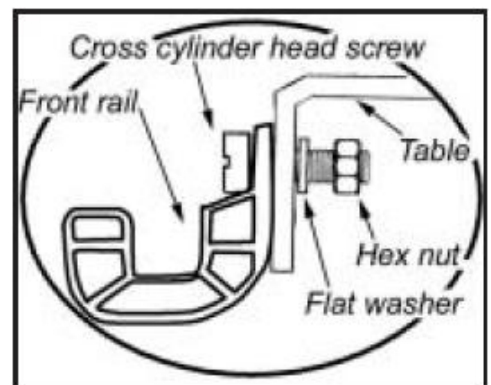
NOTE: Raise the table never without help! Always pay attention to the correct lifting posture!

12.2.9 Installation of the rip fence rail

To install the rip fence rail requires the following:

Four M8x25 screws, four washers 8mm, Four M8 self-locking nuts

Screw the rail acc. The following diagram on the main table firmly, making sure that the track runs parallel with the table.



12.2.10 Assembly of the rip fence

The handle clockwise to the holder screw.

The holder and the ruler with two allen screws M8-12 screw.

The rip fence is now being used in the stop rail.

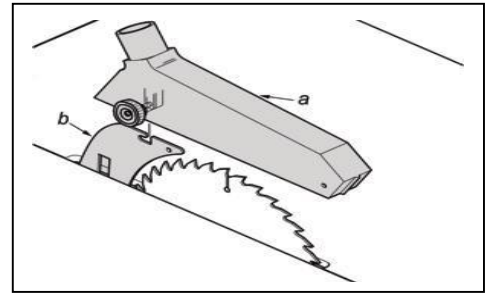
If the ruler does not slide smoothly, the stop rail can be adjusted.

The rip fence can be fixed at the desired position by a lever movement downwards.



12.2.11 Mounting the saw blade guard

Assemble the blade guard (a) to the riving knife (b)



12.2.12 Connection suction

1. Dust collection ports are located on the chip case and blade guard.
2. Fit the small ejection tube on blade guard.
3. From the hole of table saw rear panel, pull out the chip ejection tube.
4. Fit the chip ejection tube onto three-way tube.
5. Fit the chip ejection tube of blade guard on three-way tube.
6. Then fit the main chip ejection tube to Dust collector.



Please note that the prosecution is only recommended outdoors without using a suction system. In addition, without the required suction removal of chips can not be guaranteed and must therefore, after every 30min Operating be cleaned (particularly inside the machine), the machine chips.

12.3 Electrical connection

12.3.1 Earthing connection



ATTENTION

When working on an ungrounded machine:

Serious injury due to electric shock in the event of a malfunction possible!

Therefore:

Machine must be grounded and be connected to a grounded outlet

The electrical connection of the machine is ready for operation on a grounded electrical outlet! The plug must be connected only to a properly fitted and grounded electrical outlet! The supplied plug must not be changed. If the plug does not fit or is defective, only a qualified electrical engineer may modify or replace these plugs! The grounding conductor is green-yellow! In the event of repair or replacement of the grounding conductor must not be connected to an under voltage can! Check with a qualified electrician or service that the grounding instructions are understood and the machine is grounded! A damaged cable must be replaced immediately!

13 OPERATION

13.1 Adjustments before initial

- + Before any adjustments, the machine must be disconnected from the power supply to avoid the risk of accidental switching on the machine!
- + Check that the set speed for the saw blade used is not too high.
- + Span only saw blades with a diameter of **250 mm**.

13.1.1 Setting the riving knife

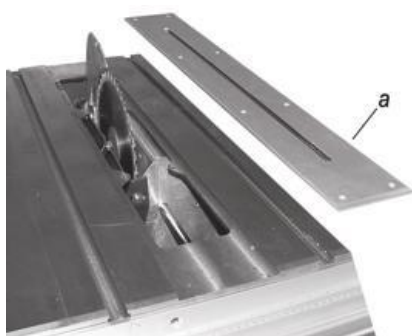
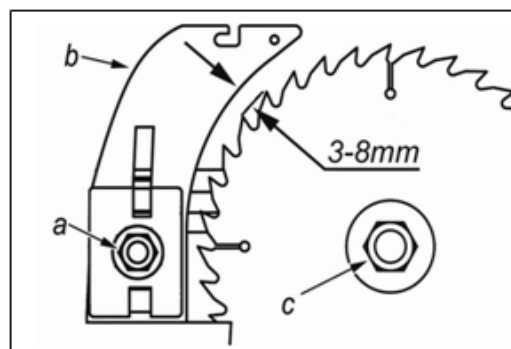


Fig. 1



- Remove the blade guard cover from the riving knife
- The 8 screws of the table insert (a) remove and remove it. -**Fig.1**-
- Loosen the screw (a) and the riving knife (b) at a distance of about **3mm - 8mm** adjust the saw blade. -**Fig. 2**-
- The riving knife can be preset with the grub screw **c**.
- Pull the riving knife with the screw (a) firmly.
- Attach the blade guard cover back on the riving knife.



NOTE: This procedure should be repeated every time the when the saw blade is replaced.

OPERATION

13.2 Saw blade start / stop

If you want to press the **ON OFF** switch, the combined **EMERGENCY STOP** switch must be in the open state.

- To start, press the green button " I "
- To start, press the red button " O "



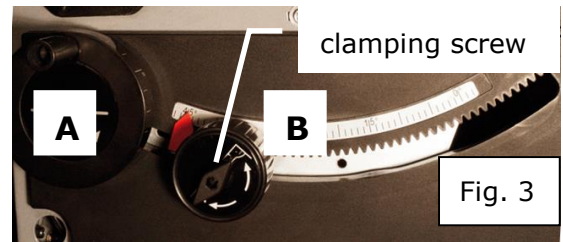
INFO: In the closed state of the main switch can be operated as an **EMERGENCY STOP** switch.

13.2.1 Saw blade height adjustment

To adjust the height of the saw blade to the material it is adjusted with the handwheel **A**.

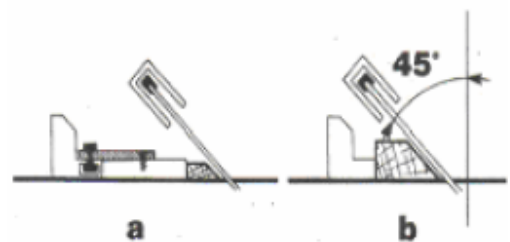
The handwheel **A** clockwise to the blade upward to lift. Rotate left lower to it.

The blade should protrude about **5 mm** from the work-piece.



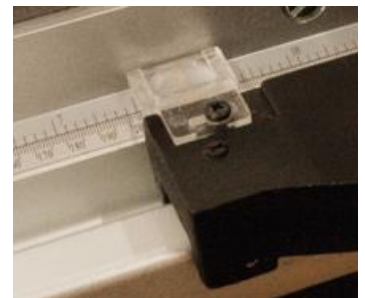
13.2.2 Setting interface / tilt angle blade

- The clamping screw for locking screw.
- To the saw blade from the inclination **90° - 45°** is the handwheel **B** . -Fig.3-
- The clamping screw afterwards retighten.



13.2.3 Setting the cutting width / length

The cutting length can be set on the rip fence guide so that these can be read on the measuring scale. With the clamping screw, the rip fence can be fixed.



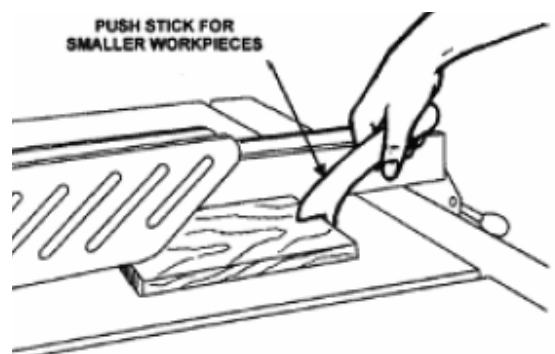
13.3 Instructions for use:

13.3.1 Notes on using the panel saw

- Make sure you install the saw blade protection.
- Run the workpiece evenly without flare-ups and without take it back until the end of cutting to.
- Set the panel saw blade so high that the ring gear is really reliably covered by the panel saw blade protection (distance between the panel saw blade guard and workpiece (max. -. **5 mm**)

WARNING: Perform the setup of the panel saw blade height and tilt by only with the machine switched off.

For cuts less than **120 mm** width supplying the material with a push stick must be made, and the stop bar must be in a flat position.



Work only with a well cut saw blade.

- Use the push stick at the end of cutting when the distance between the saw blade and the parallel ruler is less than **120 mm**.
- Make sure that the machine is working without vibrations.
- Cracked and deformed panel saw blades can not be repaired. You need to be sorted out immediately as a committee and be replaced by ordinary.
- Then the panel saw blade must be removed from service.
- Select the number of teeth of the panel saw blade such that at least **2-3** teeth work simultaneously). If only one tooth works, a poor working surface results, the risk the vibrations and the noise exposure increases before setback increase.

14 MAINTENANCE AND CARE

ATTENTION

**Don't clean or do maintenance on the machine while it is still connected to the power supply:
Damages to machine and injuries might occur due to unintended switching on of the machine!
Therefore: Switch the machine off and disconnect it from the power supply before any maintenance works or cleaning is carried out**

The machine is low maintenance and contains little parts that must undergo a maintenance operator.

Faults or defects that may affect the safety of the machine, must be rectified immediately.

Repair work may only be performed by qualified personnel!

The complete and utter cleaning ensures a long life for the machine and represents a safety requirement.

After each shift the machine and all its parts must be thoroughly cleaned by the dust and swarf sucked through the suction system and all other waste is disposed of by compressed air.

Check regularly that all warning and safety instructions on the machine and available in a perfectly legible condition.

Check before every use the perfect condition of the safety devices.

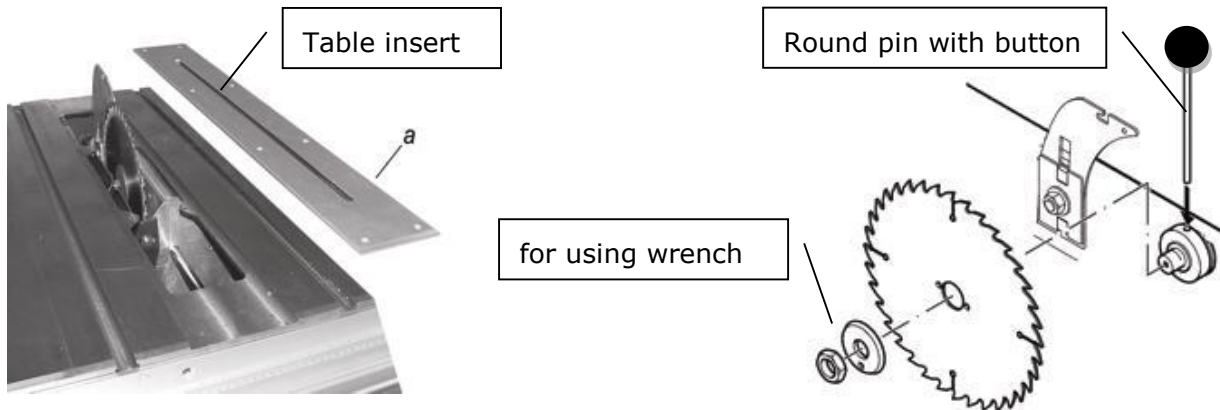
For storage of this machine may not be stored in a humid room and must be protected from the influence of weather conditions.

The elimination of defects does your dealer

Repair work may only be performed by qualified personnel!

14.1 saw blade change

CAUTION: When installing saw blade change and always use protective gloves !



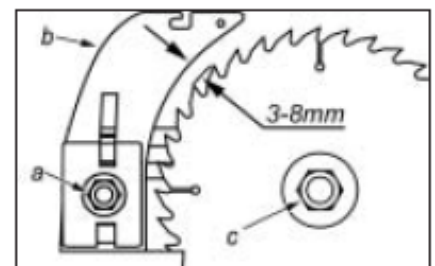
- The saw blade to max. Adjust the height.
- The 8 screws on the table insert Unscrew and remove the table insert.
- Fix the blade on the flange with the round pin with button.
- The bolt with a wrench from the shaft screws.
- Clean the motor spindle and flange thoroughly of impurities.
- Insert the blade with the correct direction of rotation on the motor spindle.
- Place the cleaned flange to the motor shaft.
- Screw the screw with washer back into the shaft and with wrench and round pin with button -against turning sichern- tighten again.

NOTE: Observe direction of rotation arrow on the saw blade.

- Table insert reinsert and tighten the screws.

14.1.1 Setting the splitting wedge distance

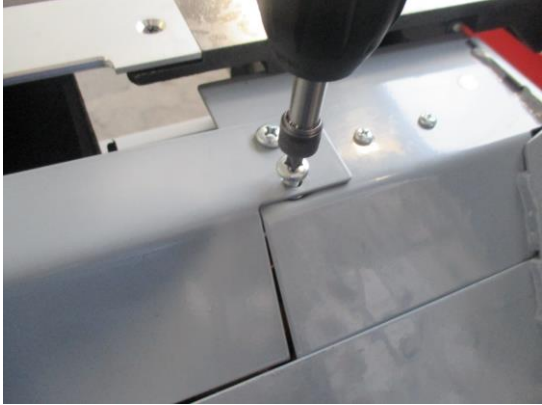
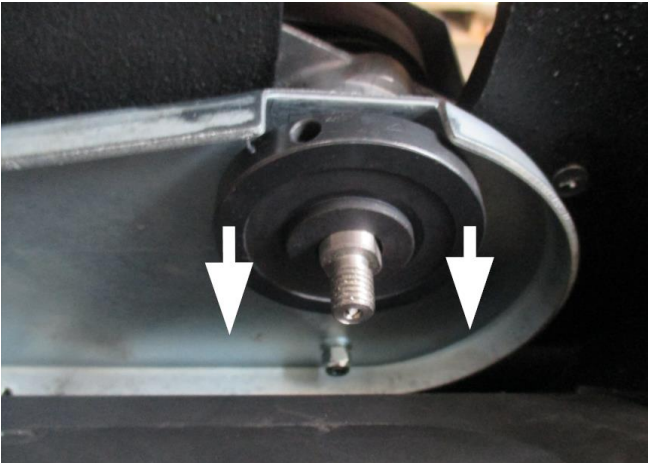
- Unscrew easily screw **A**
- the riving knife **b** adjust to the distance of about 3-8mm.
- retighten screw **A**



- Replace cover and tighten

14.2 Drive belt replacement

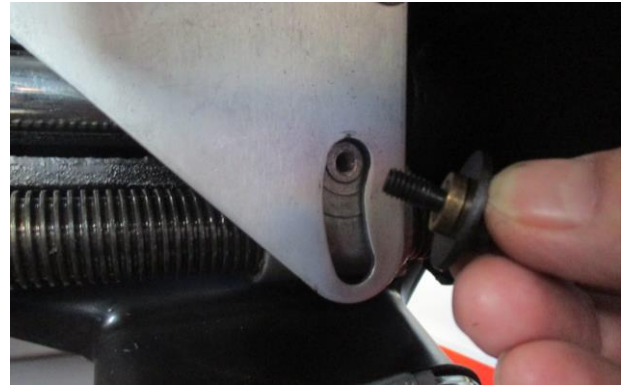
14.2.1 Dismantling of the saw blade and the console

	 ACHTUNG: Linksgewinde ATTENTION: Left-hand thread
• Remove the protective plate INFO: Here the sliding table is not mounted, so this imaging	CAUTION: Wear protective gloves ! • The saw blade clamping or hold • Unscrew the nut to the right - Left hand thread-
	
Remove the spacer	Remove the snap ring with snap ring pliers -outer-
Remove the console	

14.2.2 Disassemble Engine



Unscrew the side cover



The screw with washer and spacer ring unscrew



Unscrew the screw



Unscrew the screw

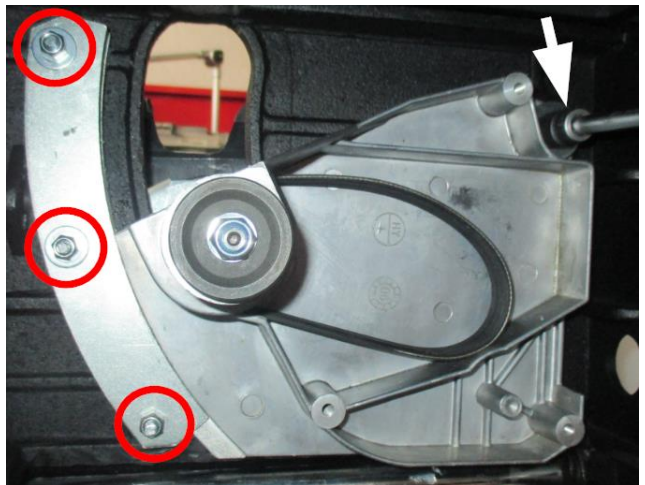


CAUTION: Carefully loosen the screw up and hold engine!

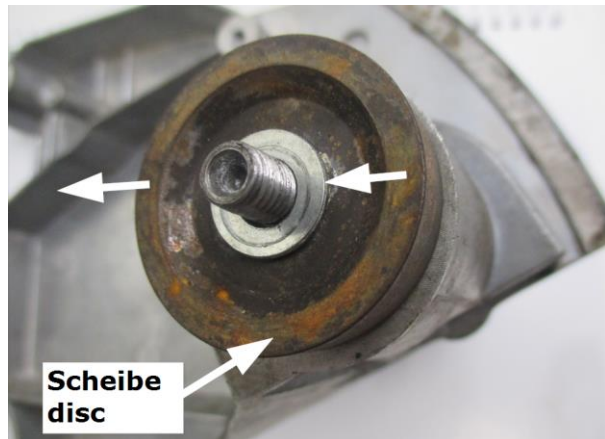
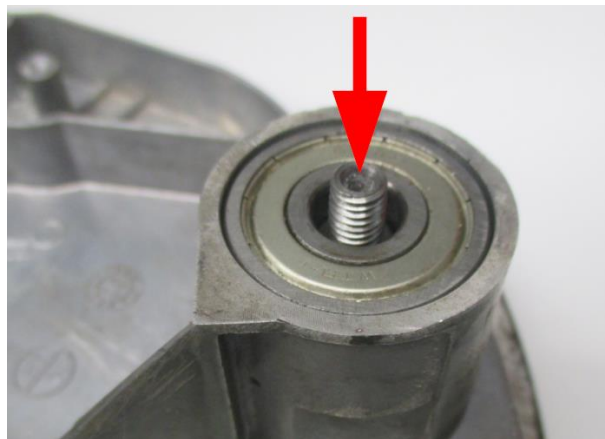
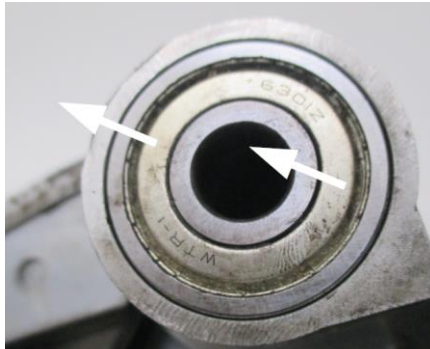
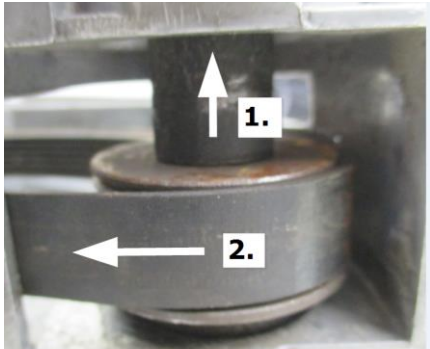


The motor can now be removed and stored with the wiring on the ground.

14.2.3 remove the motor bracket

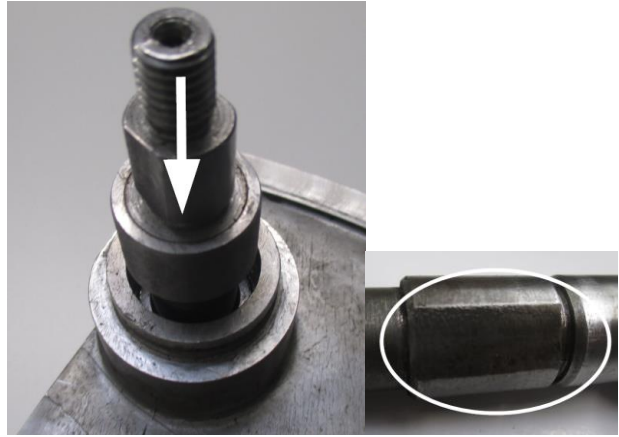
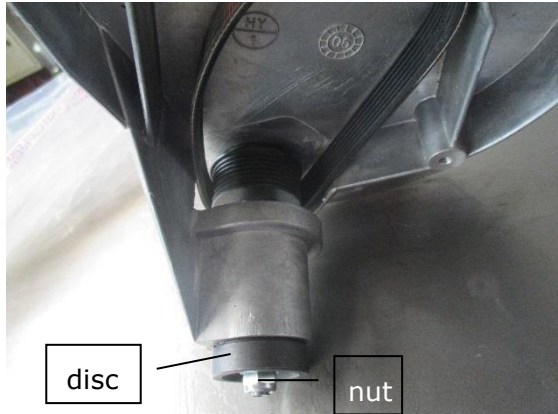
• loosen the screws -circled- • The self-locking nut -white arrow- screw off • The motor mount can now be removed completely.	
---	--

14.2.4 Remove drive shaft and insert new drive belt

 Scheibe disc	
• Unscrew the nuts by counter holding the saw blade holder with a wrench • Remove the disc from the drive shaft	• Drive The drive shaft with a mallet gently out of the bearing seat • With a round steel can used a metal hammer
	
Drive out the ball bearing with a round bar of the other bearing seat	Remove the spacer sleeve (1) up and the drive belt with the pulley (2)

14.2.5 Install new drive belt and drive shaft

The drive belt and the drive shaft is mounted in the reverse manner as during dismantling

Remove the remains of a worn drive belt from the pulley. INFO: Put on the bearing seats lightly oil. The drive shaft 2 with the flattened sides -circled- carefully into the seat also matching the pulley insert. • pat in with mallet totally	
• Place the disc onto the drive shaft. • Tighten the nut by drive shaft and hold with a wrench on the other side. INFO: When tightening always make for smooth running of the drive shaft.	

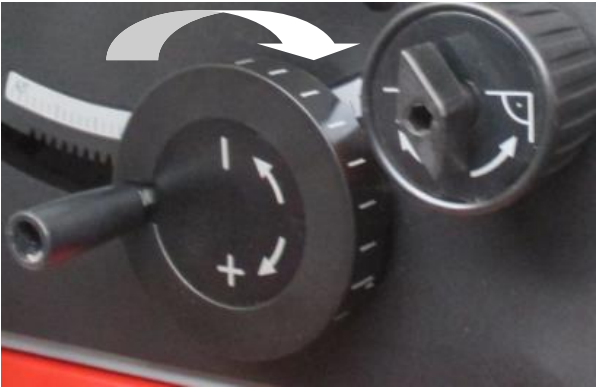
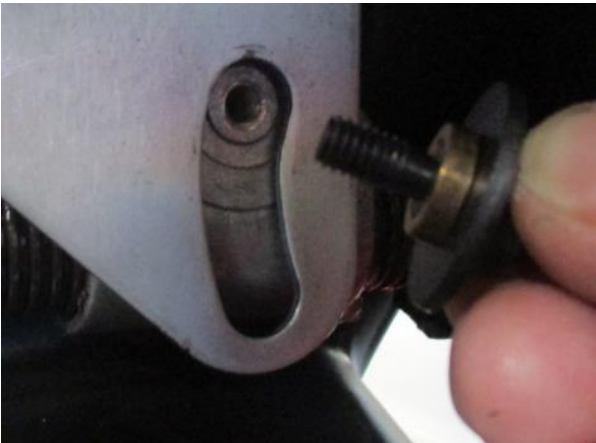
14.2.6 Mounting on the motor bracket

The motor bracket is mounted in the reverse way as during disassembly again

• Insert the motor mount to the left in the guide. • Insert right on top of the screw and screw the self-locking nut, but do not fully tighten! -Arrow-	
--	--

14.2.7 screw on the motor

The motor is mounted in the reverse manner as during dismantling

• Relax by the height adjustment, the drive belt tension by 3 - 4 turns to the right	
• Turn the flange nut with the threaded hole upwards. • Slightly Screw the upper right screw and washer. -Arrow- • Put the motor with the motor plate carefully in the screw hook up. • Make sure that the drive belt is not clamped. • Screw the 2 remaining screws • Tighten all 3 screws slightly.	 flange nut
• The flange bolt with washer and spacer ring into the Flange Screw. INFO: Making sure that the brass ring loosely in the elongated hole is introduced!	

14.2.8 Tension drive belt

Insert a screwdriver or similar tool between the engine mount and shaft against fire back up when clamping down.



By the hand wheel turn to the left of the drive belt is tensioned.

- The handwheel as far to the left until a resistance is felt.

INFO: On the drive shaft to the blade side, the tension can be checked by turning.

- After tightening the 3 screws tighten on the motor plate.

CAUTION: remove the screwdriver after tensioning!



14.2.9 mount saw blade

The saw blade is mounted in the reverse manner as during disassembly again.

CAUTION: Check smooth running of the saw blade

Screw the covers back

14.2.10 Cleaning

NOTE

The use of solvents, harsh chemicals or abrasive cleaners leads to damage to the machine!

Therefore: When cleaning water and mild detergent if necessary use.

Bare surfaces of the machine against corrosion impregnate (with anti-rust WD40)

14.2.11 Disposal

Do not dispose of the TS 250F in residual waste. Contact your local authorities for information regarding the available disposal options. When you buy at your local dealer for a replacement unit, the latter is obliged to exchange your old

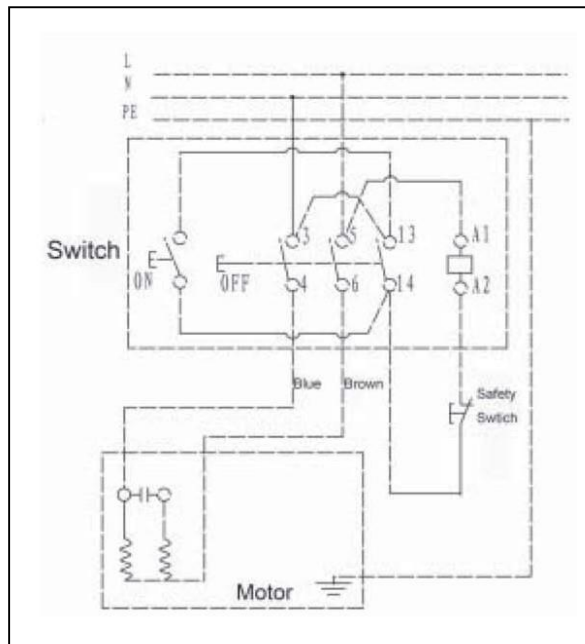


15 TROUBLESHOOTING

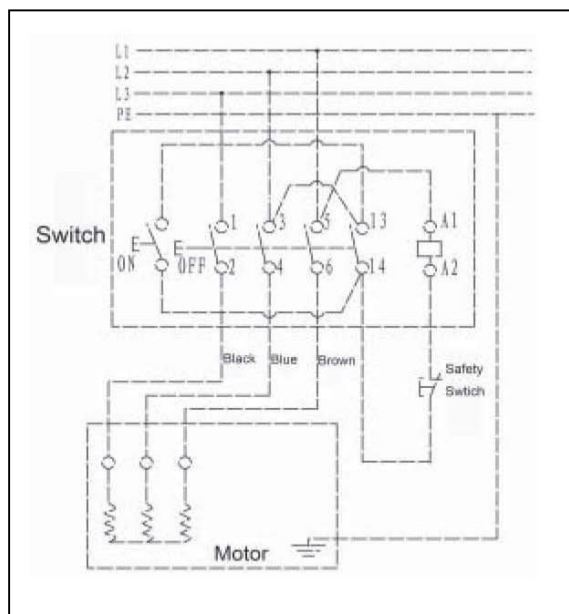
Disconnect the machine from the power supply prior to any checks performed at the machine itself !

Trouble	Possible cause	Solution
Machine does not start	• Emergency stop switch to switch off • switch is broken	• Turn the emergency OFF switch to the right to unlock to • Repair the the switch
Burn marks on the work-piece	• The blade is blunt	• Replace the blade
The finished size of the machined workpiece does not correspond to the set cutting width on rip fence	• Adjusted measurement scale for the cutting width display	• Setting dimension scale: cut workpiece on the rip fence, measure the workpiece and the measuring scale move so that the measured average width is shown at the edge of the ruler
Workpiece clamped in 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.

43 ELEKTRISCHE SCHALTUNGEN / ELECTRIC DIAGRAM



230V/ 1-Phasig



400V/ 3-Phasig

Achten Sie darauf, dass die Phasen ordnungsgemäßen Kontakt vorweisen.

Bei unsachgemäßem Anschluss der Phasen kann keine Garantieleistung in Anspruch genommen werden.

Make sure that the phases demonstrate proper contact.

Improper connection of the phases no warranty can be availed.

44 ERSATZTEILE / SPARE PARTS

44.1 Ersatzteilbestellung / spare parts order

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.

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.](#)

Para máquinas Holzmänn utilice siempre repuestos originales para reparar la máquina. El ajuste óptimo de las piezas reduce el tiempo de instalación y preserva la vida de la máquina.

AVISO

la instalacion de piezas no originales anulara la garantia de la maquina!

Por lo tanto: Para el intercambio de componentes y piezas de recambio use originales.

[Para cualquier consulta contáctenos en las direcciones arriba mencionadas o en su distribuidor.](#)

Pour les machines Holzmänn utiliser toujours des pièces de rechange pour réparer la machine. Le réglage optimal de pièces réduit le temps d'installation et préserve la vie de la machine.

AVIS

En cas d'utilisation de pièces autres que celles autorisées par HOLZMANN et sans notre permis par écrit, la garantie sera annulée.

Par conséquent: Pour l'échange de composants et l'utilisation des pièces détachées originales.

Pour toute question nous contacter à l'adresse présente sur la préface ou à votre revendeur.

Použitím originálních dílů od společnosti Holzmänn používáte díly, které spolu dokonale sedí a jejich montáž je časově méně náročná. Originální náhradní díly zaručují delší životnost stroje.

UPOZORNĚNÍ

Použití jiných než originálních náhradních dílů má za následek ztrátu záruky!

Platí: Při výměně komponent/dílů používejte pouze originální náhradní díly.

Adresu pro objednání dílů naleznete v kontaktech na zákaznický servis v předmluvě této dokumentace.

Prin utilizarea pieselor de schimb Holzmänn optați pentru piese de schimb care se potrivesc perfect. Potrivirea optimală a pieselor de schimb reduce timpul de montaj și crește durabilitatea.

NOTĂ

Prin utilizarea pieselor de schimb, altele decât cele originale, pierdeți garanția.

Din această cauză: Folosiți numai componente/piese de schimb care figurează pe lista pieselor de schimb originale.

Utilizați pentru comanda pieselor de schimb formularul de service alăturat la sfârșitul acestor instrucțiuni. Introduceți pe formular întotdeauna tipul mașinii, numărul de piesă și denumirea. Pentru a evita orice confuzie, vă recomandăm să alăturați la comandă și o copie a schiței cu piesele de schimb, pe care sunt marcate piesele de schimb solicitate.

Adresa de comandă și adresele de contact pentru relațiile cu clienții le găsiți în prefața acestei documentații.

Con le parti di ricambio Holzmann utilizzate pezzi di ricambio che combaciano e sono adatti tra loro. L'esattezza di adattamento ottimale dei pezzi accorcia i tempi di montaggio e mantiene la durata di vita.

NOTA

Il montaggio di altre parti di ricambio originali causa la perdita della garanzia!

Pertanto vale la regola: Quando si sostituiscono componenti/pezzi utilizzare solo parti di ricambio originali

Per ordinare parti di ricambio usare il modulo dell'assistenza che trovate al termine di queste istruzioni. Indicare sempre il tipo di macchina, il numero di parte di ricambio e la denominazione. Per evitare incomprensioni, si raccomanda di allegare agli ordini di parti di ricambio una copia del disegno delle parti di ricambio, su cui sono evidenziate in modo chiaro le parti di ricambio richieste.

[L'indirizzo per gli ordini si trova sotto gli indirizzi dei centri di assistenza clienti nella prefazione di questa documentazione.](#)

Met reserveonderdelen van Holzmann gebruikt u reserveonderdelen welke speciaal op elkaar zijn afgestemd. De optimale nauwkeurigheid van de onderdelen verkorten de montagetijden en bewaren de levensduur.

INDICATIE

Door de montage van andere dan de originele reserveonderdelen vervalt de garantie.

Vandaar geldt: Gebruik voor het vervangen van componenten/onderdelen alleen originele reserveonderdelen.

Gebruik a.u.b. het serviceformulier aan het eind van deze handleiding voor het bestellen van reserveonderdelen. Vermeld steeds machinetype, reserveonderdeelnummer alsook de naam. Om misvattingen te voorkomen raden we aan bij de bestelling van reserveonderdelen een kopie van de tekening erbij te leggen waarop de benodigde reserveonderdelen duidelijk gemarkeerd zijn.

Het besteladres ziet u onder adres van de klantendienst in het voorwoord van deze documentatie.

Med Holzmanns reservdelar använder du reservdelar som matchar varandra perfekt. Delarnas perfekta passform förkortar monterings tiden och vidmakthåller livslängden.

UPPLYSNING

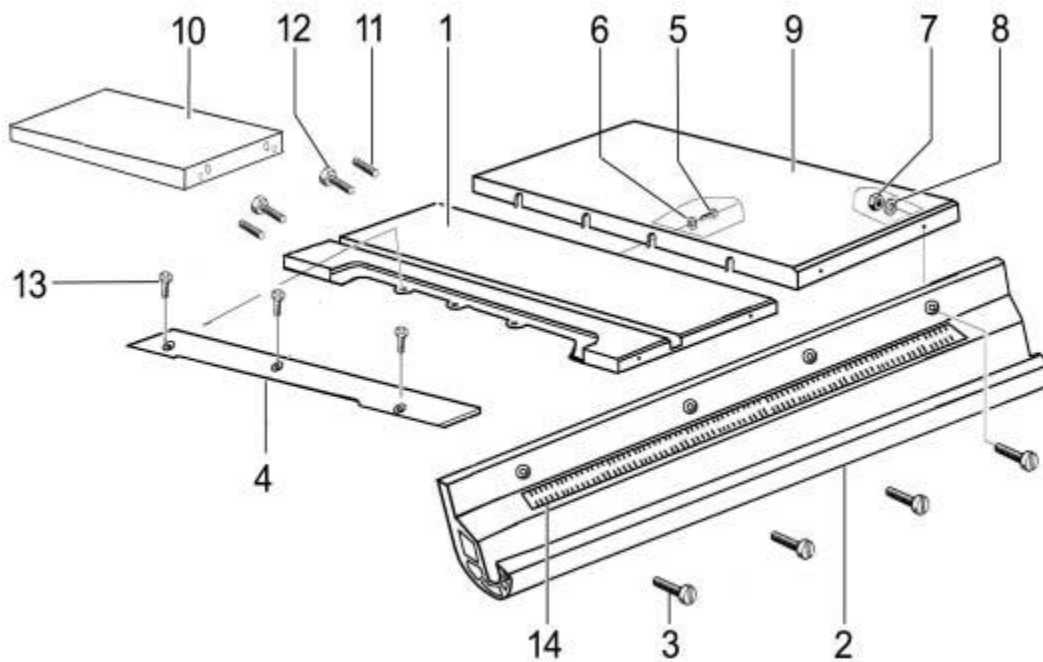
Montering av icke-originalreservdelar gör garantin ogiltig!

Därför: Använd bara originalreservdelar vid utbyte av komponenter/delar

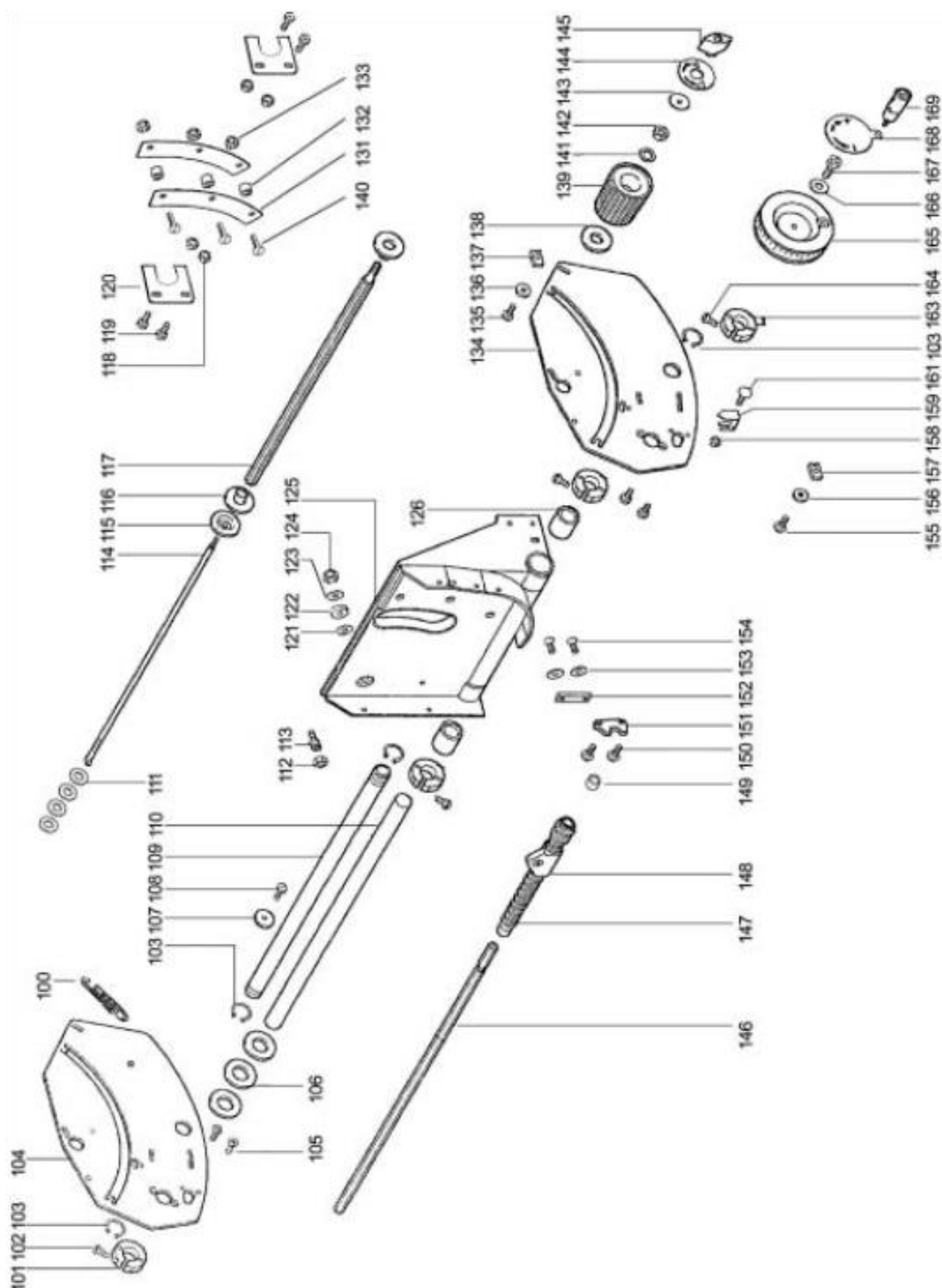
Använd bara serviceformuläret som du hittar i slutet av den här bruksanvisningen vid beställning av reservdelar. Ange alltid maskintyp, reservdelsnummer och beteckning. För att undvika missförstånd rekommenderar vi att du bifogar en kopia på ritningen av reservdelen när du beställer reservdelar, där den reservdel som du behöver är tydligt markerad.

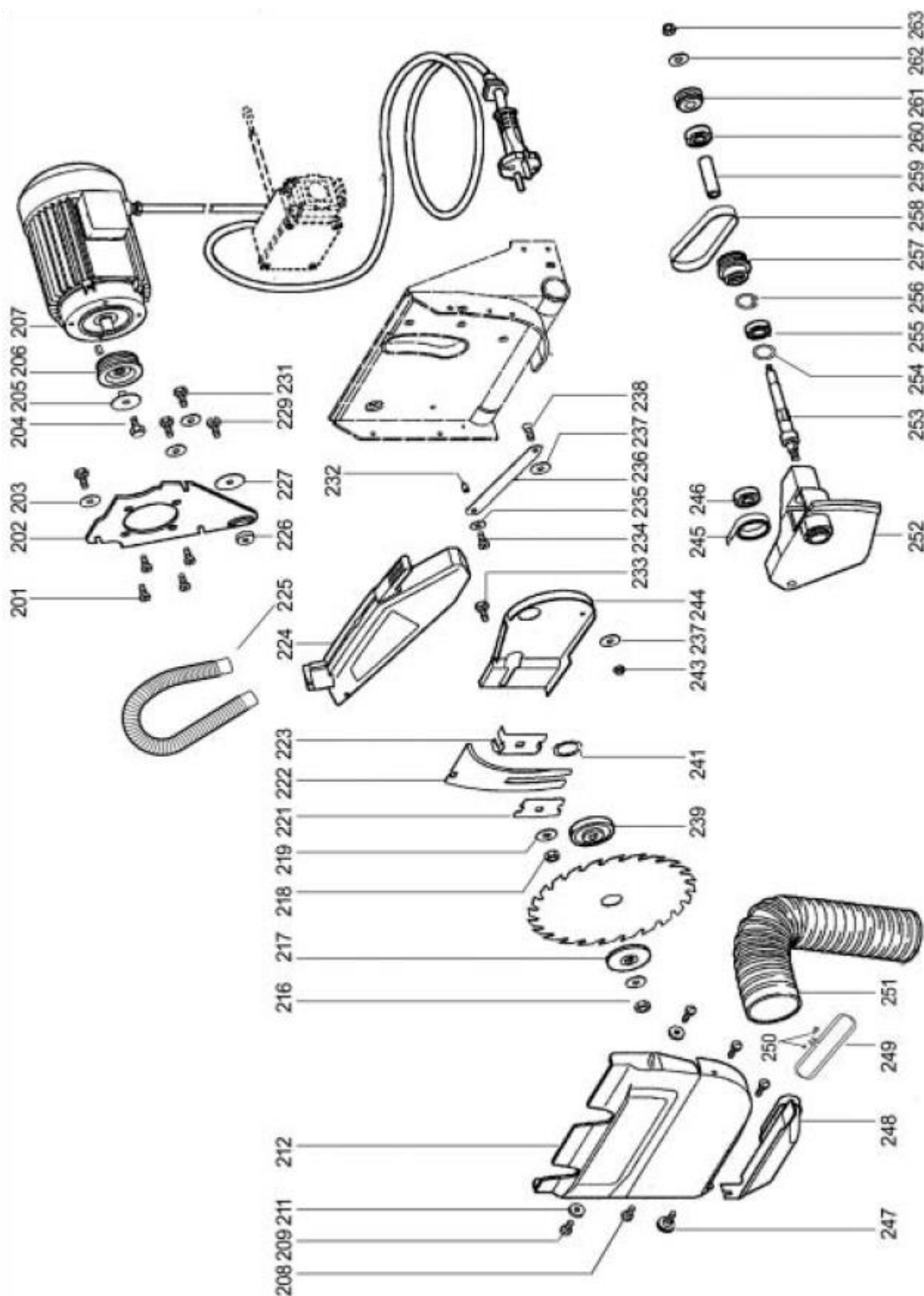
[Beställningsadressen hittar du under kundtjänstens adress i förordet till den här dokumentationen.](#)

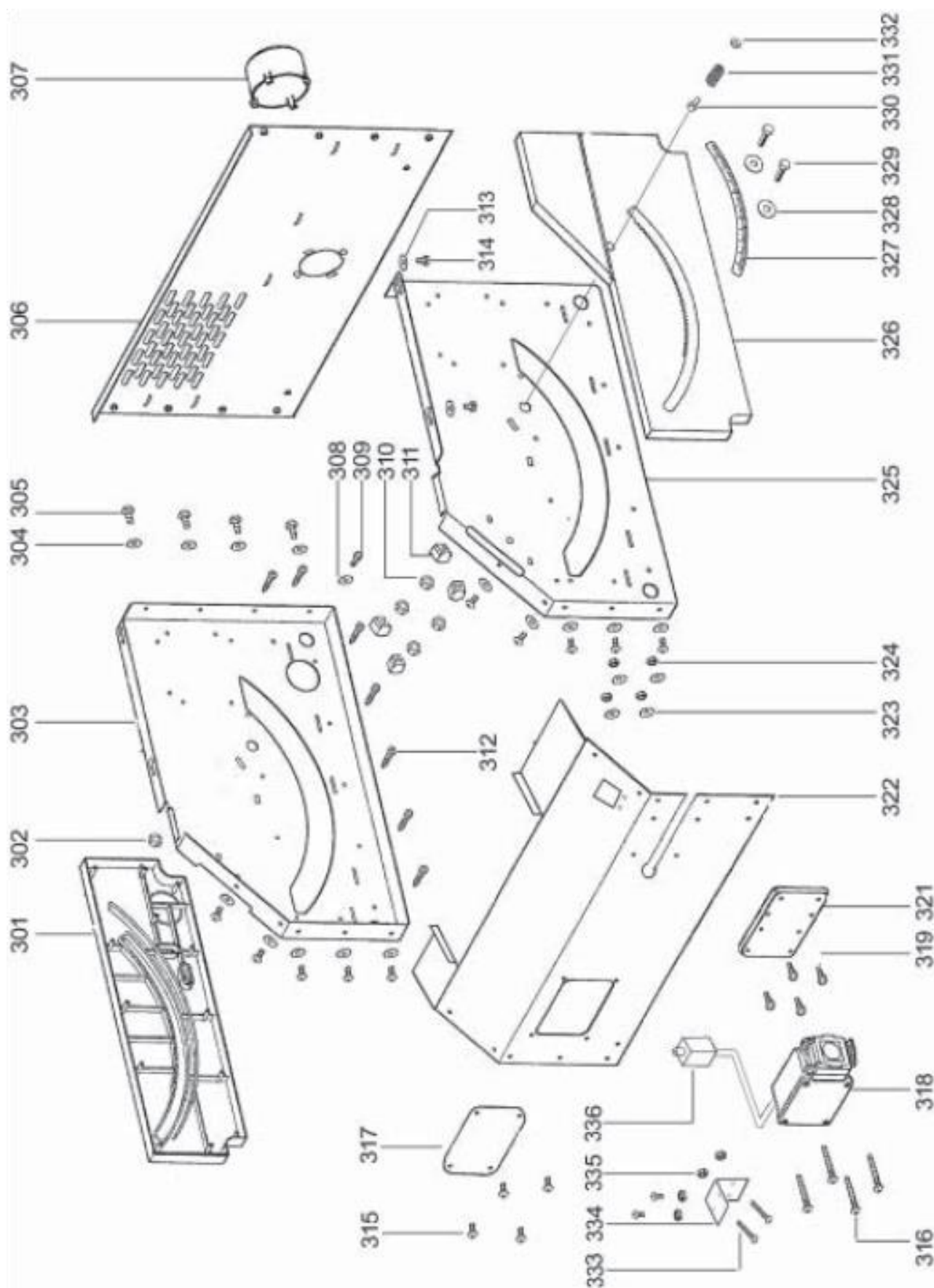
44.1 Explosionszeichnung / Exploded views



- | | |
|----|--------------------------------|
| 1 | Major Table |
| 2 | Front rail |
| 3 | Cross cylinder head screw Mx25 |
| 4 | Cover plate |
| 5 | Hex head screw Mx30 |
| 6 | Flat washer 8mm |
| 7 | Hex nut M8 |
| 8 | Flat washer 8mm |
| 9 | Side Extension Table |
| 10 | Rear Extension Table |
| 11 | Grub Screw |
| 12 | Hex head screw M8x25 |
| 13 | Countersunk head screw M5x8 |
| 14 | Scale |

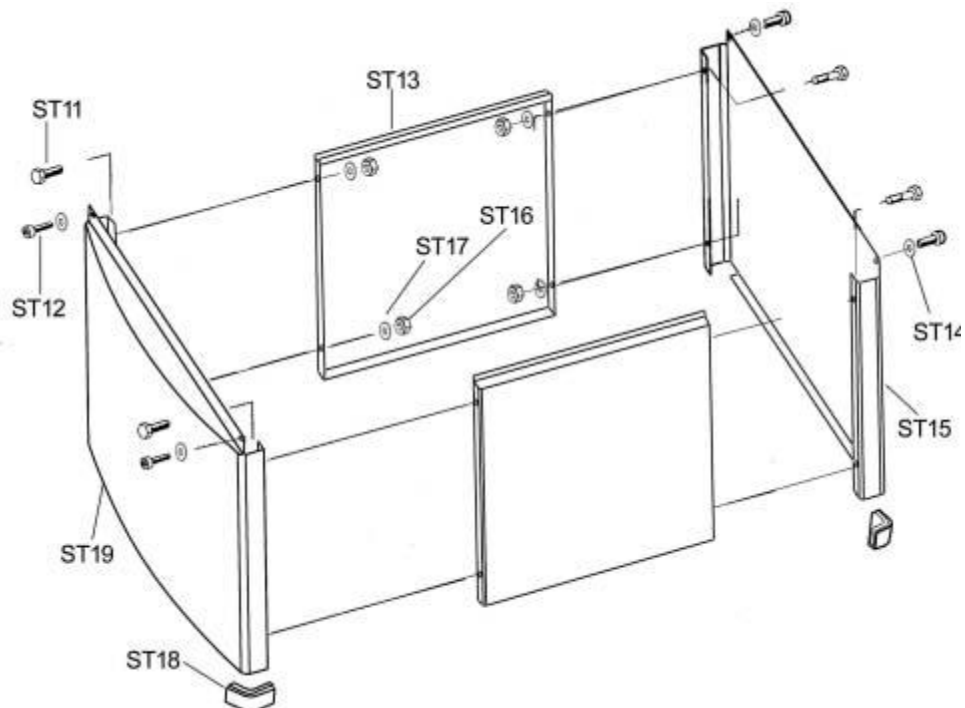




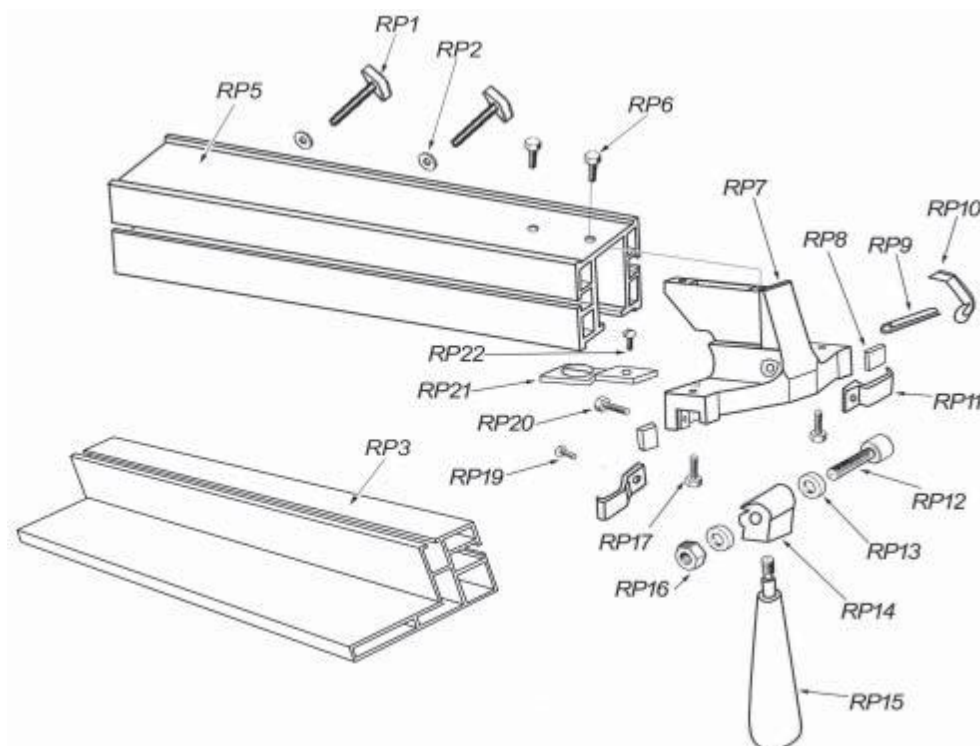


100	Spring	131	Arc plate
101	Set collar	132	Steel ring
102	Hex socket head cap screw M5x20	133	Self-lock nut M6
103	Ring circlips 25mm	134	Chip-case guide panel, front
104	Chip-case guide panel, rear	135	Pan head screw M6x10
105	Countersunk flat head screw M5x6	136	Flat washer 6mm
106	Rubber foam	137	Square, stop
107	Spring roll	138	Ring
108	Pan head screw M4x8	139	Handle, bevel
109	Tube	140	Countersunk head screw M6x35
110	Guide shaft	141	Flat washer 6mm
111	"O" ring	142	Hex nut M6
112	Hex thin nut M16x1.5	143	Flat washer 6 mm
113	Special screw, Stop	144	Bevel angle scale
114	Setting tube	145	Lock knob
115	Cup-washer	146	Hex shape shaft
116	Spacer	147	Thread tube
117	Gear rod	148	Thread mount
118	Self-lock nut M6	149	Nylon ring
119	Hex head screw M6x16	150	Pan head screw M5x6
120	Supporting plate	151	Clamp, plate
121	Flat washer	152	Stop, moving
122	Steel ring	153	Flat washer 5 mm
123	Flat washer M8	154	Pan head screw M5x10
124	Self-lock nut M8	155	Pan head screw M6x10
125	Mount base	156	Flat washer 6mm
126	Bush	157	Square, stop
		158	Self-lock nut M4
		159	Bevel indicator
		161	Carriage bolt
		163	Set collar
		164	Hex socket head cap screw
		165	Rise-lower handle
		166	Flat washer 6 mm
		167	Pan head screw M5x6
		168	Rise-lower indicator
		169	Handle

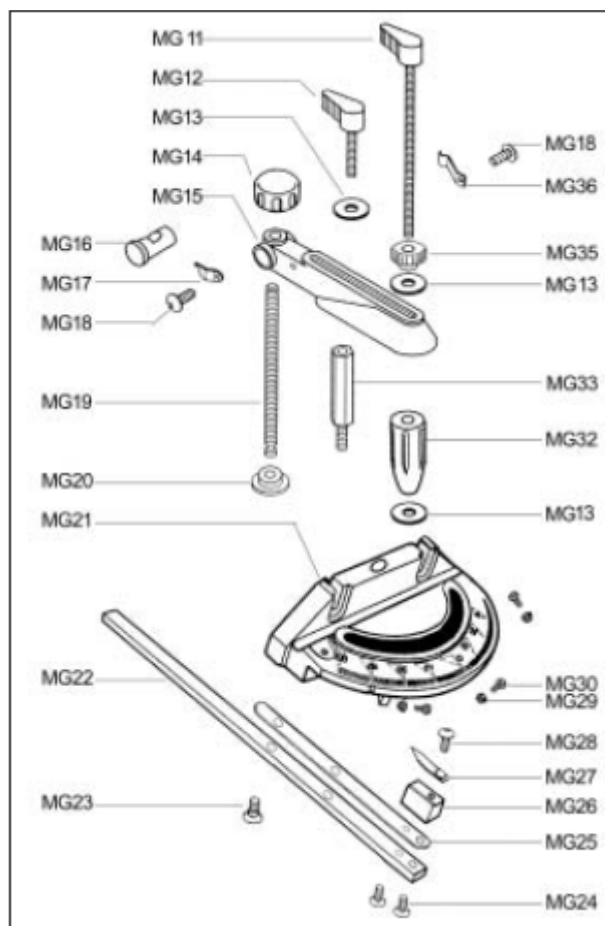
201	Countersunk head screw M6x10	255	Ball bearing 80103
202	Bracket, motor	256	Circlip 35 mm
203	Flat washer 6 mm	257	Pulley, spindle
204	Left-hand hex head screw M8x10	258	Belt
205	Ring plate, locking	259	Quill tube
206	Motor pulley	260	Ball bearing 80301
207	Motor	261	Pulley, drive
208	Pan head screw M4x6	262	Flat washer 8mm
209	Pan head screw M4x10	263	Hex nut M8
211	Flat washer 5mm		
212	Guard fold	301	Rear gear panel
216	Left-hand hex nut M10	302	Hex nut M8
217	Outer blade collar	303	Rear panel
218	Self-locking hex nut M10	304	Flat washer 6mm
219	Flat washer 10 mm	305	Pan head screw M6x20
221	Pressure plate	306	Right panel
222	Riving knife	307	Suction exit
223	Guide plate	308	Flat washer 8 mm
224	Blade guard	309	Socket head cap screw M4x8
225	Dust collecting tube	310	Hex nut M6
226	Steel ring	311	Bracket
227	Flat washer 6 mm	312	Taping screw M4x12
229	Cylinder head screw M6x20	313	Flat washer 8mm
231	Hex head screw M6x10	314	Hex head screw M8x30
232	Tube	315	Cross pan head screw M4x8
233	Carriage screw M10x35	316	Cross pan head screw M4x60
234	Hex head screw M6x10	317	Check plate
235	Flat washer 6mm	318	On/off switch
236	Lever	319	Socket head cap screw M4x12
237	Hex nut M6	321	Mount plate, switch
238	Countersunk head screw M6x10	322	Left panel
239	Inner blade collar	323	Flat washer 4mm
241	Circlip 32mm	324	Hex nut M4
243	Hex nut M6	325	Front panel
244	Mount, riving knife	326	Front gear panel
245	Torsion	327	Bevel scale
246	Ball bearing 80301	328	Flat washer 6mm
247	Pan head screw M4x6	329	Hex head screw M6x20
248	Chipcase	330	Stop pin
249	Wiring band	331	Spring
250	M5x15 Screw / Flat washer 5mm, Hex nut M5	332	Stop cap
251	Dust collector	333	Screw
252	Bearing mount	334	Bracket, Safety Switch
253	Spindle	335	Nut
254	Adjustment ring	336	Safety Switch



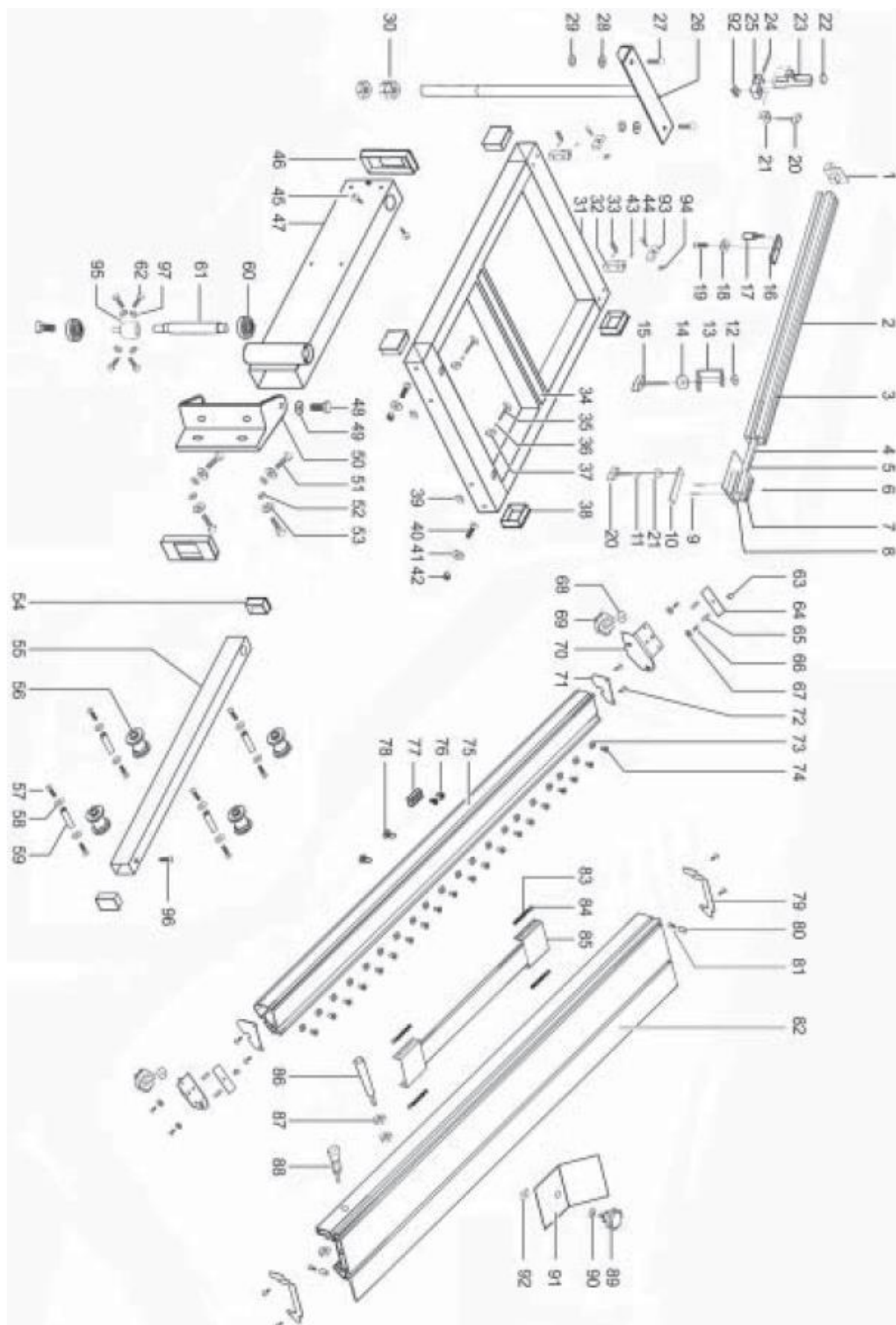
No	Part Description	No	Part Description
ST11	Hex head screw M6x15	ST16	Hex nut M6
ST12	Pan head screw M6x20	ST17	Flat washer M6
ST13	Stand side panel	ST18	Rubber feet
ST14	Flat washer M6	ST19	Stand front panel
ST15	Stand rear panel		



No	Part Description	No	Part Description
RP1	Wing Screw	RP14	Cam Lock
RP2	Washer	RP15	Fence Handle
RP3	"L" Fence Extrusion	RP16	Hex Nut M8
RP5	Fence	RP17	Adjust Screw
RP6	Hex Head Screw M8x12	RP19	Pan Head Screw M4x10
RP7	Fence Head	RP20	Hex Head Screw M6x16
RP8	Rub Piece	RP21	Lens
RP9	Roll Pin	RP22	Pan Head Screw M4x10
RP10	Spring		
RP11	Clamp Adjust		
RP12	Socket Head Screw M8x40		
RP13	"O" Ring 8x18		



No	Part Description
MG11	Lock knob, longer
MG12	Lock knob, shorter
MG13	Flat washer M6
MG14	Clamp knob
MG15	Clamp house
MG16	Quick release button
MG17	Lock tab
MG18	Tapping screw ST4.2x9.5
MG19	Clamp screw
MG20	Clamp holder
MG21	Miter gauge base
MG22	"T" bar
MG23	Special screw
MG24	Pan head screw M4x12
MG25	Adjusting plate
MG26	Pointer mount
MG27	Pointer
MG28	pan head screw M4x8
MG29	Hex nut M4
MG30	Hex head screw M4x16
MG32	Locking handle
MG33	Speacer
MG35	Knuled nut M6
MG36	Spring



1	End Cap	50	Seat - Swing Arm
2	Extractable Stop Rail	51	Hex head screw M8X25
3	Scale I	52	Hex nut M8
4	Stop Rail Extrusion	53	Washer 8mm
5	Scale II	54	End Cap
6	Screw M5x6	55	Extension Arm
7	Scale III	56	Roller
8	Extension Stop Rail	57	Screw M6X10
9	Set Screw M6x12	58	Washer 6mm
10	Guide Plate	59	Shaft
11	Bush 6mm	60	Bearing
12	Nut	61	Shaft
13	Clamp	62	Hex head screw M6X30
14	Washer 6mm		
15	Wing Screw	63	Pin
16	Guide Plate	64	Plate
17	Shaft	65	Grub Screw
18	Washer 6mm	66	Hex Set screw M6X16
19	Screw	67	Washer 6mm
20	Wing Screw	68	Washer 8mm
21	Washer 6mm	69	Thumb Screw
22	Magnifier	70	Support Plate
23	Flip stop	71	End Cap
24	Shaft	72	Tapped Screw
25	Guide Plate	73	Square Nut M8
26	Support Bracket	74	Screw M8X16
27	Carriage Bolt M8x20	75	Seat - Sliding Carriage
28	Washer 8mm	76	Countersunk Head Screw M6x16
29	Hex Nut M8	77	Limiting Stoper
30	Hex Nut M16x1.5	78	Limiting Screw
31	Sliding Table Frame Assembly	79	End Cap
32	Seat - Stop Block	80	Limiting Stoper
33	Pin	81	Screw M6x25
34	Scale	82	Sliding Carriage
35	Wing Screw	83	Sliding Ball
36	Bush	84	Felt
37	Washer 6mm	85	Frame
38	End Cap	86	Handle
39	Square Nut	87	Hex Nut
40	Hexagon Screw M6x10	88	Position Handle
41	Washer 6mm	89	Knob
42	Position Pin	90	Washer
43	Screw M6x10	91	Clamp Plate
44	Bolt M6x20	92	Square Nut
45	Tapped Screw	93	Stop Block
46	End Cap	94	Nut M6
47	Swing Arm Assembly	95	Adjustable Seat
48	Hex head screw M10X25	96	Limiting Screw
49	Washer 10mm	97	Nut