

# MANN®

# HOLZ

# MASCHINEN

DE ORIGINAL BETRIEBSANLEITUNG  
EN USER MANUAL  
ES MANUAL DE INSTRUCCIONES  
FR MODE D'EMPLOI

HOLZBANDSÄGE  
WOOD BAND SAW  
SIERRA DE CINTA  
SCIE À RUBAN



## HBS 700 / HBS 800

### **HOLZBANDSÄGE / WOOD BAND SAW SIERRA DE CINTA / SCIE À RUBAN**

*Betriebsanleitung und Sicherheitshinweise  
vor Erstinbetriebnahme lesen und  
beachten!*

*Read the operation manual carefully before  
first use.*

*Lea atentamente este manual antes de  
usar la máquina por primera vez.*

*¡Las especificaciones técnicas pueden  
cambiar sin previo aviso!*

*Conserver soigneusement ce mode  
d'emploi pour de futures questions*

*Attention: Lisez attentivement ce manuel  
avant de mettre la machine en marche!*

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### 3 SICHERHEITSZEICHEN / SAFETY SIGNS

| DE                                                                                  | SICHERHEITSZEICHEN<br>BEDEUTUNG DER SYMBOLE | EN                                       | SAFETY SIGNS<br>DEFINITION OF SYMBOLS                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | DE                                          | <b>WARNUNG!</b>                          | <i>Beachten Sie die Sicherheitssymbole! Die Nichtbeachtung der Vorschriften und Hinweise zum Einsatz des Erdbohrers kann zu schweren Personenschäden und tödliche Gefahren mit sich bringen.</i>                                                        |
|    | EN                                          | <b>ATTENTION!</b>                        | <i>Ignoring the safety signs and warnings applied on the machine as well as ignoring the security and operating instructions can cause serious injuries and even lead to death.</i>                                                                     |
|    | DE                                          | <b>ANLEITUNG LESEN!</b>                  | <i>Lesen Sie die Betriebs- und Wartungsanleitung Ihrer Maschine aufmerksam durch und machen Sie sich mit den Bedienelementen der Maschine gut vertraut um die Maschine ordnungsgemäß zu bedienen und so Schäden an Mensch und Maschine vorzubeugen.</i> |
|                                                                                     | EN                                          | <b>READ THE MANUAL!</b>                  | <i>Read the user and maintenance manual carefully and get familiar with the controls in order to use the machine correctly and to avoid injuries and machine defects.</i>                                                                               |
|  | DE                                          | <b>SCHUTZAUSRÜSTUNG!</b>                 | <i>Das Tragen von Gehörschutz, Schutzbrille und Handschuhen ist Pflicht.</i>                                                                                                                                                                            |
|                                                                                     | EN                                          | <b>PROTECTIVE CLOTHING!</b>              | <i>The operator is obligated to wear proper ear protection, safety goggles and gloves.</i>                                                                                                                                                              |
|  | DE                                          | <b>GEFAHR!</b>                           | <i>Leicht entzündlich</i>                                                                                                                                                                                                                               |
|  | EN                                          | <b>DANGER!</b>                           | <i>Highly flammable</i>                                                                                                                                                                                                                                 |
|  | DE                                          | <b>CE-KONFORM:</b>                       | <i>Dieses Produkt entspricht den EG-Richtlinien</i>                                                                                                                                                                                                     |
|                                                                                     | EN                                          | <b>EC-CONFORM:</b>                       | <i>This product complies with EC-directives</i>                                                                                                                                                                                                         |
|  | DE                                          | <b>Nur geschultes Personal!</b>          |                                                                                                                                                                                                                                                         |
|                                                                                     | EN                                          | <b>Only trained staff!</b>               |                                                                                                                                                                                                                                                         |
|  | DE                                          | <b>Gefährliche elektrische Spannung!</b> |                                                                                                                                                                                                                                                         |
|                                                                                     | EN                                          | <b>High voltage!</b>                     |                                                                                                                                                                                                                                                         |



**DE Bedienung mit Schmuck verboten!**

**EN Operation with jewelry forbidden!**



**DE Bedienung mit Krawatte verboten!**

**EN Operation with tie forbidden!**



**DE Bedienung mit offenem Haar verboten!**

**EN Operation with long hair forbidden!**



**DE Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!**

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



**DE Warnung vor Schnittverletzungen!**

**EN Warning about cut injuries!**



**DE Warnung vor rotierenden Teilen!**

**EN Warning of rotating parts!**



**DE Vor Nässe schützen!**

**EN Protect from moisture!**



**DE Allgemeiner Hinweis**

**EN General note**

## 10 PREFACE

### Dear Customer!

This manual contains information and important instructions for the installation and correct use of the wood band saw HBS 700 and HBS 800.

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!**



Before first use read this manual carefully. It eases the correct use of the product and prevents misunderstanding and damages of product 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 product receipt and unpacking before putting the product into operation.**

**Please understand that later claims cannot be accepted anymore.**

## Copyright

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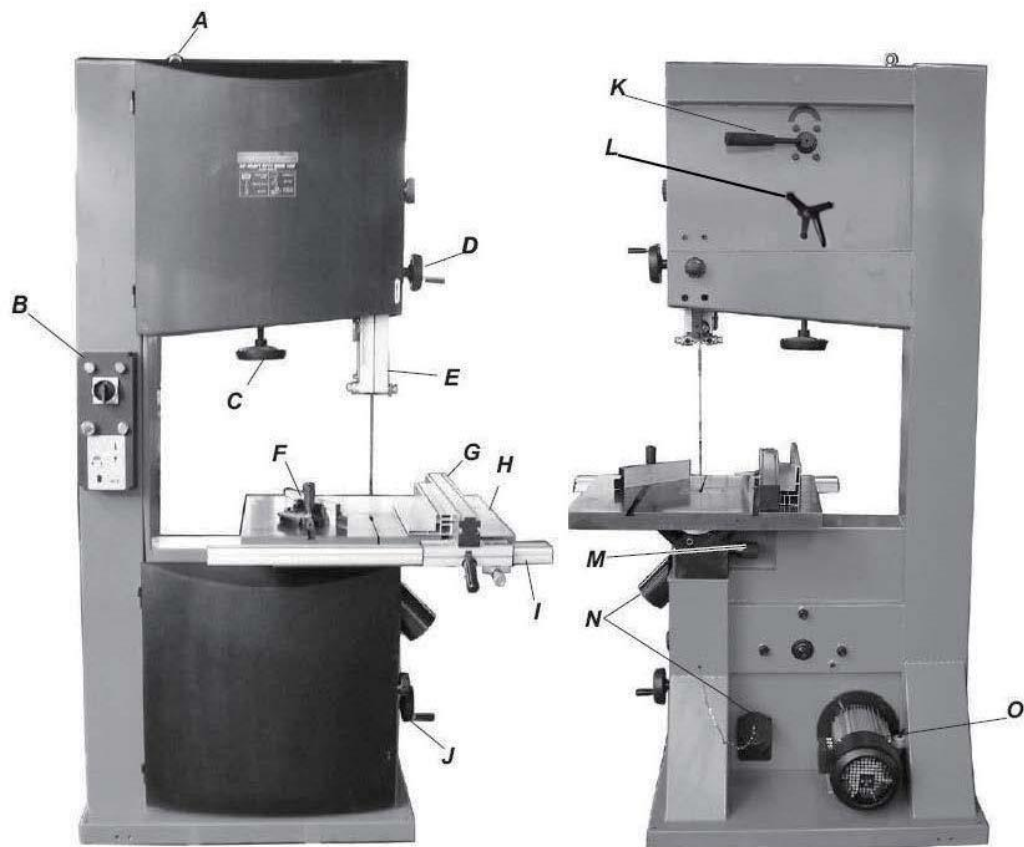
## Customer service contact

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## 11 TECHNIC

### 11.1 Components



|          |                          |          |                                       |
|----------|--------------------------|----------|---------------------------------------|
| <b>A</b> | Lift ring                | <b>I</b> | Fence rail                            |
| <b>B</b> | Switch box               | <b>J</b> | Belt tension hand wheel               |
| <b>C</b> | Blade tension hand wheel | <b>K</b> | Quick release lever                   |
| <b>D</b> | Guide post hand wheel    | <b>L</b> | Blade tracking lock knob & start knob |
| <b>E</b> | Blade guide & guard      | <b>M</b> | Table tilting knob                    |
| <b>F</b> | Miter gauge              | <b>N</b> | Dust collector plugs                  |
| <b>G</b> | Rip fence                | <b>O</b> | Motor                                 |
| <b>H</b> | Table                    |          |                                       |

## 11.2 Technical Details

| Specification                        |       | HBS 700     | HBS 800     |
|--------------------------------------|-------|-------------|-------------|
| Saw band length                      | mm    | 5020        | 5605-5621   |
| Flywheel diameters Ø                 | mm    | 700         | 800         |
| Voltage                              | V/Hz  | 400/50      | 400/50      |
| Motor power                          | kW    | 4,0         | 5,5         |
| Table tilt                           | °     | 0 to +45    | 0 to +45    |
| Saw band width                       | mm    | 19-38       | 19-50       |
| Machine total height                 | mm    | 2230        | 2480        |
| Dust collector plug Ø                | mm    | 2x100       | 2x100       |
| Table dimensions                     | mm    | 900x700     | 900x700     |
| Max. workpiece dimension             | mm    | 700x430     | 800x470     |
| Weight                               | kg    | 370         | 525         |
| Sound pressure level L <sub>PA</sub> | dB(A) | 78 K:3dB(A) | 78 K:3dB(A) |

## 12 SAFETY

### 12.1 Intended Use

The machine bevel bandsaw is designed for performing cuts into suitable materials under the premise to use the correct combination of bandsaw speed and feed rate.

The intended use incorporates sufficient knowledge of the operator regarding the work with wood bandsaw and regarding accident prevention rules, sufficient material knowledge as well as sufficient and productive maintenance of the machine.

Any manipulation of the machine or its parts is a misuse, in this case HOLZMANN-MASCHINEN and its sales partners cannot be made liable for ANY direct or indirect damage.

It is imperative to obey all safety rules as well as assembly, operation and maintenance instructions to keep alive your guarantee rights.

|                                                                                   |                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>WARNING</b>                                                                                                                                                                                                                                                                                                     |
|                                                                                   | <ul style="list-style-type: none"> <li>▪ <b>Use only saw blades allowable for this machine!</b></li> <li>▪ <b>Never use a damaged band saw blade!</b></li> <li>▪ <b>Use the bandsaw never with defective or without mounted guard</b></li> </ul> <p style="text-align: center;"><b>HIGHEST RISK OF INJURY!</b></p> |

#### 12.1.1 Ambient conditons

The machine may be operated:

|             |                                 |
|-------------|---------------------------------|
| humidity    | max. 70%                        |
| temperature | +5°C to +40°C (+41°F to +104°F) |

The machine shall not be operated outdoors or in wet or damp areas.

The machine shall not be operated in areas exposed to increased fire or explosion hazard.

#### 12.1.2 Prohibited use

- The operation of the machine outside the stated technical limits described in this manual is forbidden.
- Operation of the machine function without emergency stop button or impeller box with open doors is prohibited.
- The use of saw bands not according with the required dimensions is forbidden.
- The use of saw bands not being suitable for the use of the machine and not being certified is forbidden.
- Any manipulation of the machine and parts is forbidden.
- The use of the machine for any purposes other than described in 12.1 is forbidden.
- The unattended operation on the machine during the cutting process is forbidden! It is not allowed to leave the immediate work area during the cut is being performed.

## 12.2 Security instructions

Missing or non-readable security stickers have to be replaced immediately!

To avoid malfunction, machine defects and injuries, read the following security instructions!

The locally applicable laws and regulations may specify the minimum age of the operator and limit the use of this machine!



### NOTICE

In the following machine this guards are in effect:

- Emergency button on the control panel
- Shutdown when opening the covers



- **Keep your work area dry and tidy! An untidy work area may cause accidents. Avoid slippery floor.**
- **Make sure the work area is lighted sufficiently**
- **Do not use the machine outdoors!**
- **Avoid abnormal working postures! Make sure you stand squarely and keep balance at all times.**
- **Keep away from the running saw band!**
- **Always stay focused when working. Reduce distortion sources in your work-ing environment. The operation of the machine when being tired, as well as under the influence of alcohol, drugs or concentration influencing medicaments is forbidden.**



- **Do not climb onto the machine!**



- **The machine shall be operated by respectively trained persons only.**
- **Do not allow other persons, particularly children, to touch the machine or the cable. Keep them away from your work area.**
- **Make your workshop childproof.**



- **Wear suitable work clothes! Do not wear loose clothing or jewellery as they might get caught in moving parts and cause severe accidents! Wear a hair net if you have long hair.**



- **Use personal safety equipment: ear protectors, safety goggles, dust mask when working on dusty jobs.**



- **Never leave the machine running unattended! Before leaving the working area switch the machine off and wait until the saw band stops.**
- **Always disconnect the machine prior to any actions performed at the machine.**
- **Avoid unintentional starting**



- **Each time you work with an electrically operated sawing apparatus, caution is advised! There is a risk of electric shock, fire, cutting injury;**
- **Protect the machine from dampness (causing a short circuit)**
- **Use power tools and machines never in the vicinity of flammable liquids and gases (danger of explosion)**
- **Check the cable regularly for damage**
- **Protect the cable from heat, oil and sharp edges**
- **Avoid body contact with earthed**



- **Use appropriate holding device when sawing logs**
- **The upper blade guide to keep as close to the workpiece**
- **Attach the fence to the lower half of the table for inclined table**
- **Workpieces while working safely hold and guide**
- **Remove the sawed-off or jammed workpieces only at standstill of the saw blade**
- **Make sure that no excessive concentration of dust is produced. Use suitable dust extraction equipment!**
- **Remove before editing foreign matter (nails, screws) from the workpiece**
- **For straight cuts against the rip fence push stick should be used**

**The machine does not require extensive maintenance.**

**Repairing shall be performed by trained professionals only.**

**Accessories: Use only accessories recommended by HOLZMANN-Maschinen and its sales partners.**

## 12.3 Remaining risk factors

Even if the machine is used as required it is still impossible to eliminate certain residual risk factors totally. The following hazards may arise in connection with the machine's construction and design:

- **Damage to hearing, when sound levels in workshop add up to a total level being harmful. Wear ear-muffs to eliminate this risk factor.**
- **Respiratory damages due to harmful emissions of wood dust.**
- **Severe cutting injuries at contact with the running band in the uncovered cutting zone.**
- **Injuries (cuts) when changing the band. Wear safety gloves when changing the saw band.**
- **Injury from catapulted workpieces or parts of workpieces.**
- **Injury through breaking saw band**
- **Electrocution through contact with internal leading machine parts**

This risk factors can be minimized through obeying all security and operation instructions, proper machine maintenance, proficient and appropriate operation by persons with technical knowledge and experience.

## 13 ASSEMBLY

### 13.1 Initial activities

#### 13.1.1 Delivery content

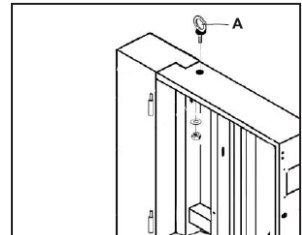
Please check the product contents (see capture 11.1) immediately after receipt for any eventual transport damage or missing parts. Claims from transport damage or missing parts must be placed immediately after initial machine receipt and unpacking before putting the machine into operation. Please understand that later claims cannot be accepted anymore.

#### 13.1.2 Workplace requirements

The workplace has to fulfill the requirements stated in capture 12.  
The ground has to be even, in level and hard. It must be suitable at least to weight it with double weight per square meter than the machines net weight.  
The chosen workplace must have access to a suitable electric supply net hat complies with the machines requirements.  
The machine must be placed in a way that at least 0.8m room free space around the machine.  
For longer workpieces sufficient additional place before and behind the machine should be calculated.

#### 13.1.3 Transport

The machine can be transported in package with a forklift.  
The machine is very heavy. The machine shall be lifted from crate with a suitable lifting device only that is certified to be able to carry the machines load.



### WARNING

**The transport and the lifting of the machine shall be performed by qualified and respectively trained persons only.**

#### 13.1.4 Preparation of the surfaces

Uncoated metal machine parts have been insulated with a greasy layer to inhibit corrosion.  
This layer has to be removed. You can use standard solvents that do not damage the machine surface.



### NOTICE

**Do not use solvents based on nitrite, aggressive solvents like break cleaners or scrubbing agents!**

**These damage the machine surface.**

## 13.2 Assembly

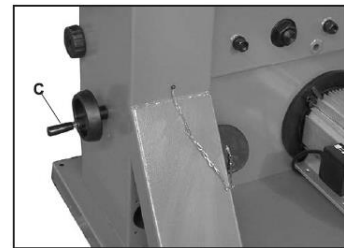
### 13.2.1 Fitting the guide post hand wheel

Attach the guide post hand wheel lever (B) to the guide post hand wheel, tighten it with the 10mm open wrench.



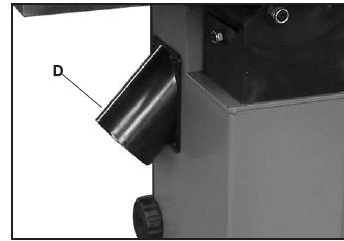
### 13.2.2 Fitting the belt tension hand wheel lever

Attach the belt tension hand wheel lever (C) to the belt tension hand wheel, tighten it with the 10mm open wrench.



### 13.2.3 Fitting the dust collector plug

Fit the upper dust collector plug (D) to the side of lower wheel housing. Tighten 4 M5x16 pan head screws (washer and nuts inside the housing).



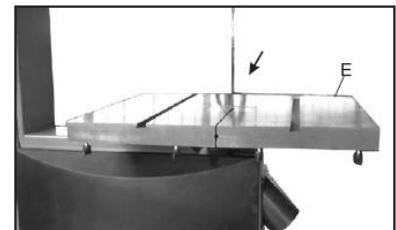
### 13.2.4 Fitting the table



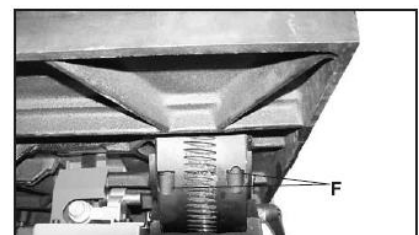
#### NOTICE

The table for this band saw is very heavy. Get help when placing it on the trunnion.

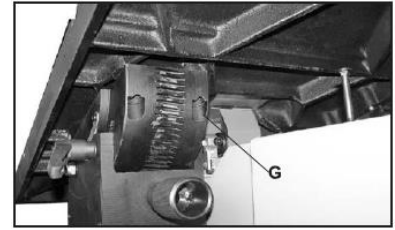
With the help of another person, carefully lift the table (E) through blade onto the trunnion.



Place 3 M8x30 Allen Screw (F) through the table trunnion, tighten them to the table.



Then tilts the table to 30°, place 1 M89x30 Allen screw (G). Tighten it.

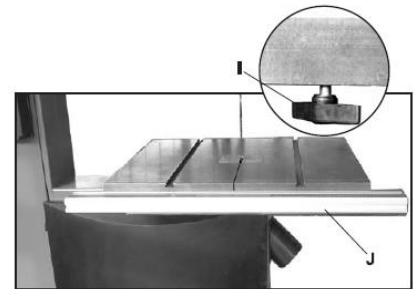


### 13.2.5 Fitting the fence rail

To fit the fence rail (J), firstly check 4 winged screws and washers (I) supplied into the 4 threaded holes on the bottom of the table.

Push the fence rail forwards against the front edge of the main table

Fully tighten the winged screws to secure.



## 13.3 Connecting to the dust collector

The machine may only be operated in connection with a dust collector!

The dust collector for chips and dust to be taken simultaneously with the motor of the machine.

You can choose one of the two plugs between.

It would be best when you connect the machine with both plugs to the dust collector.

## 13.4 Power supply



### ATTENTION

**When working with non-grounded machines:**  
**Severe injury or even death may arise though electrocution!**  
**Therefore:** The machine must be operated at a grounded power socket

The connection of the machine to the electric power supply and the following checks have to be carried out by a respectively trained electrician only.

1. The electronic connection of the machine is designated for operation with a grounded power socket!
2. The connector plug may not be manipulated.
3. The mains supply must be secured with 16A:
4. If the connector plug doesn't fit or if it is defect, only qualified electricians may modify or re-new it!
5. The grounding wire should be held in green-yellow.
6. A damaged cable has to be exchanged immediately!
7. Check, whether the feeding voltage and the Hz comply to the required values of the machine. A deviation of feeding voltage of  $\pm 5\%$  is allowed (e.g.: a machine with working voltage of 380V can work within a voltage bandwidth of 370 till 400V).
8. Make sure that a possible extension cord is in good condition and suitable for the transmission of power. An undersized cord reduces the transmission of power and heats up.
9. A damaged cable must be replaced immediately



### NOTICE

**Operation is only allowed with safety switch against stray current (RCD max. stray current of 30mA)**



### NOTICE

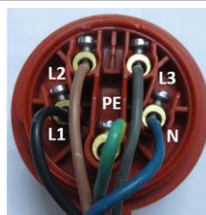
**Use only permitted extension cable with cross-section the one in the following table declared.**



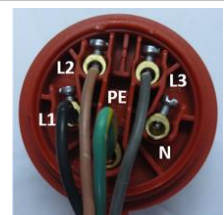
| Voltage                            | Extension | Cross-section       |
|------------------------------------|-----------|---------------------|
| <b>220 V-240 V</b><br><b>50 Hz</b> | <27 m     | 1,5 mm <sup>2</sup> |
|                                    | <44 m     | 2,5 mm <sup>2</sup> |
|                                    | <70 m     | 4,0 mm <sup>2</sup> |
|                                    | <105 m    | 6,0 mm <sup>2</sup> |

#### Plug 400V:

5-wire:  
**with**  
N-conductor



4-wire:  
**without**  
N-conductor



## 14 OPERATION

### 14.1 Operation instructions

|  |                                                                                                |  |
|--|------------------------------------------------------------------------------------------------|--|
|  | <b>WARNING</b>                                                                                 |  |
|  | <b>Perform all machine settings with the machine being disconnected from the power supply!</b> |  |

|  |                                                                                                                                                                                                                                                          |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>ATTENTION</b>                                                                                                                                                                                                                                         |
|  | <p><b>TAKE ATTENTION</b> when cutting long workpieces without additional support!</p> <p><b>Hazard of machine damage and injuries through upbouncing workpiece.</b></p> <p><b>Therefore:</b> always support long overhanging workpieces additionally</p> |

|  |                                                                                                                                                                                                                                                                                                                                                                                     |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>NOTICE</b>                                                                                                                                                                                                                                                                                                                                                                       |
|  | <ul style="list-style-type: none"> <li>• <b>Let the engine run full speed when you begin to cut a work a workpiece</b></li> <li>• <b>Before the initial start check all screw connections and tighten them if necessary after</b></li> <li>• <b>Check that the saw blade is inserted correctly. In case of incorrect direction of the band install the saw band new.</b></li> </ul> |

### 14.2 Operation

#### 14.2.1 Switch

Turn the power on or off using the Power switch.

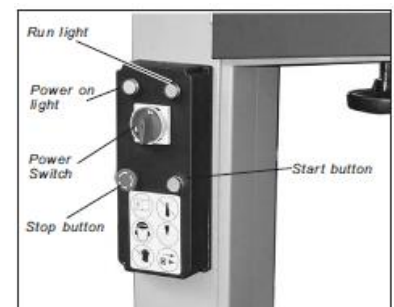
Turn the machine on using the green button on the switch box.

Turn off the machine of using the emergency stop. It must be unlocked before turn the machine on.

There are two indicator lights.

Red light: Power on

Green light: Machine runs



#### 14.2.2 Rip fence

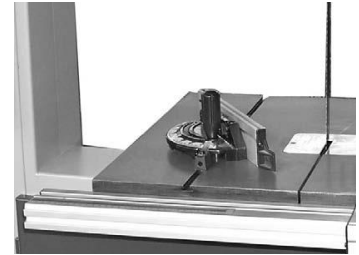
Set the rip fence to the desired width (ensure that the largest section of the material is against the fence).

For precise cutting push in the fine adjustment knob (Y) and tur to desired position. Then push dokwn the rip fence lock handle.



### 14.2.3 Miter gauge

The miter gauge can be used in either groove in the table. Set the desired angle on the miter scale and make the cut securely holding workpiece on the miter gauge.



### 14.2.4 Table tilt

To use the table to perform a bevel cut, loosen the table trunnion locking lever (M) and turn the table tilt handle. if the desired tilt is reached re-secure the locking lever.



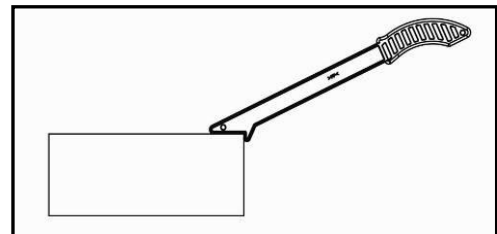
### 14.2.5 Push stick



## WARNUNG

**The push stick protects against contact with the band saw blade**

- The push stick must be used if the distance between band saw blade and a rip fence is less than 150mm
- When the push stick is not used, it have to be stored nearly the band saw.
- Replace push stick if damaged



## 15 MAINTENANCE

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>ATTENTION</b>                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                   | <p><b>Don't clean or do maintenance on the machine while it is still connected to the power supply:</b></p> <p><b>Damages to machine and injuries might occur due to unintended switching on of the machine!</b></p> <p><b>Therefore: Switch the machine off and disconnect it from the power supply be-fore any maintenance works or cleaning is carried out</b></p> |

The machine does not require extensive maintenance. If malfunctions and defects occur, let it be serviced by trained persons only.

Before first operation as well as later on every 100 operation hours you should lubricate all connecting parts (if required, remove beforehand with a brush all swarfs and dust).

Check regularly the condition of the security stickers. Replace them if required.

Check regularly the condition of the saw band and the saw band guide.

The good condition and perfect adjustment of the guiding rollers is essential for a smooth band guidance and a clean cut.

Store the machine in a closed, dry location.

|                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NOTICE</b>                                                                                                                                                                                                                             |
| <p>Clean your machine regularly after every usage – it prolongs the machines lifespan and is a pre-requisite for a safe working environment.</p> <p><b>Repair jobs shall be performed by respectively trained professionals only!</b></p> |

### 15.1 Maintenance plan

#### 15.1.1 After each workshift:

- Relaxing the saw band.
- Disconnect the machine from the power supply.
- Clean the machine entirely.
- Lubricate the blade guide with light machine oil a bit.

### 15.2 Cleaning

After each workshift the machine has to be cleaned. Remove chips etc. with a suitable tool. Do not remove them by hand (cutting injury!). Remove dust as well.

|                                                                                     |                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>NOTICE</b>                                                                                                                                                                                                                                   |
|                                                                                     | <p><b>The usage of certain solutions containing ingredients damaging metal surfaces as well as the use of scrubbing agents will damage the machine surface!</b></p> <p>Clean the machine surface with a wet cloth soaked in a mild solution</p> |

## 15.3 Band saw blade

|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br> | <p style="text-align: center;"><b>WARNING</b></p> <p><b>Wear gloves when handling with saw blades!</b><br/> <b>HIGHEST RISK OF CUTTING INJURY!</b><br/> <b>Before changing the blade, check that the machine is switched off and disconnect from the power supply</b><br/> <b>ATTENTION: Take care to install the saw band correctly!</b><br/> <b>Check the direction of the teething</b></p> | <br> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 15.3.1 Tension band saw blade

- Set the blade tension with the blade tension hand wheel (N).



|                                                                                     |                                                                                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p style="text-align: center;"><b>WARNING</b></p> <p style="text-align: center;"><b>Check the blade tension before any operation</b></p> |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                     |                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p style="text-align: center;"><b>NOTICE</b></p> <p>Too much tension: The band saw blade can break<br/>         Too less tension: The band saw blade can slip and stop</p> |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

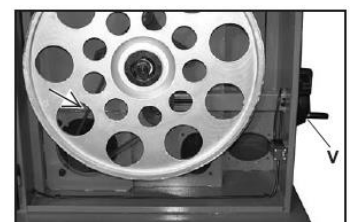
### 15.3.2 Change band saw blade

- Remove the rip fence rail
- Open both doors (upper and lower door)
- Turn the blade tension adjustment hand wheel (N) to release the tension.
- Turn the blade tension quick release lever (A1) to fully release the tension of blade.
- remove the blade and replace the new blade.



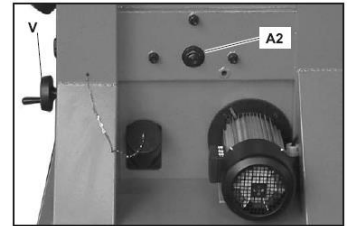
### 15.3.3 Tension V-belt

Rotate the belt tension hand wheel (V) to adjust the V-belt tension.



### 15.3.4 Change V-belt

- Remove the blade.
- Turn the belt tension hand wheel (V) to release tension from the drive belt.
- Loosen and remove the drive wheel securing nut and washer (A2) (located at the rear of the saw).
- Remove the drive belt and the pulley.
- Place the new drive belt over the pulley on the main drive wheel.
- Re-fit the drive wheel to the saw and fully tighten the lock nut to secure.



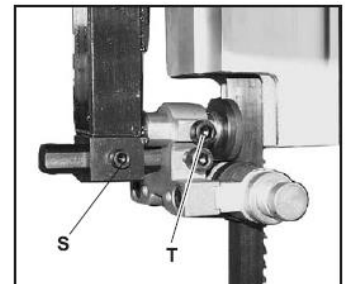
### 15.3.5 Track saw blade

- Loosen the lock star knob (O).
- With the top door open, turn the drive wheel by handle.
- Continue to turn the drive wheel and at the same time turn the blade tracking lever (P).
- Turn both the drive wheel and the blade tracking knob until the blade is sitting on the centre of the drive wheel.



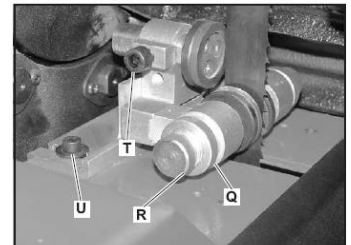
### 15.3.6 Setting the blade guide

- The guides should be adjusted so that the blade is about 0.5 mm from the guide.



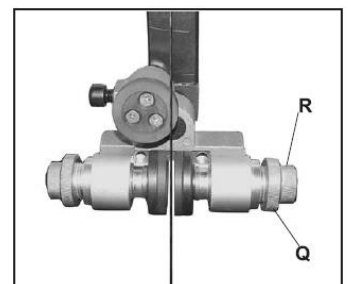
### 15.3.7 Upper guide

- Loosen the knurled jam nuts (Q).
- Rotate the adjusting rod (R) counterclockwise.
- Adjust the distance with the two Allen screws.
- (S) large movements; (T) small movements.
- Move the guide until the guide is set in the right position.
- Re-tighten all Allen screws to secure the guide in place.



### 15.3.8 Lower guide

- Loosen the knurled jam nut (Q) and the wheel (R).
- Adjust the distance with the two Allen screws.
- (U) large movements; (T) small movements.
- Move the guide until the guide is set in the right position.
- Re-tighten all Allen screws to secure the guide in place.



## NOTICE

After setting and before switch on turn the upper wheel roll by hand a few times to see if the band saw runs out of the rollers. If this is the case, the blade must be aligned again.

## 15.4 Disposal

Do not dispose the machine 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



## 16 TROUBLE SHOOTING

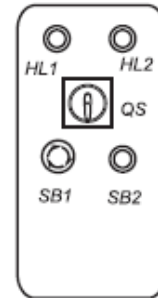
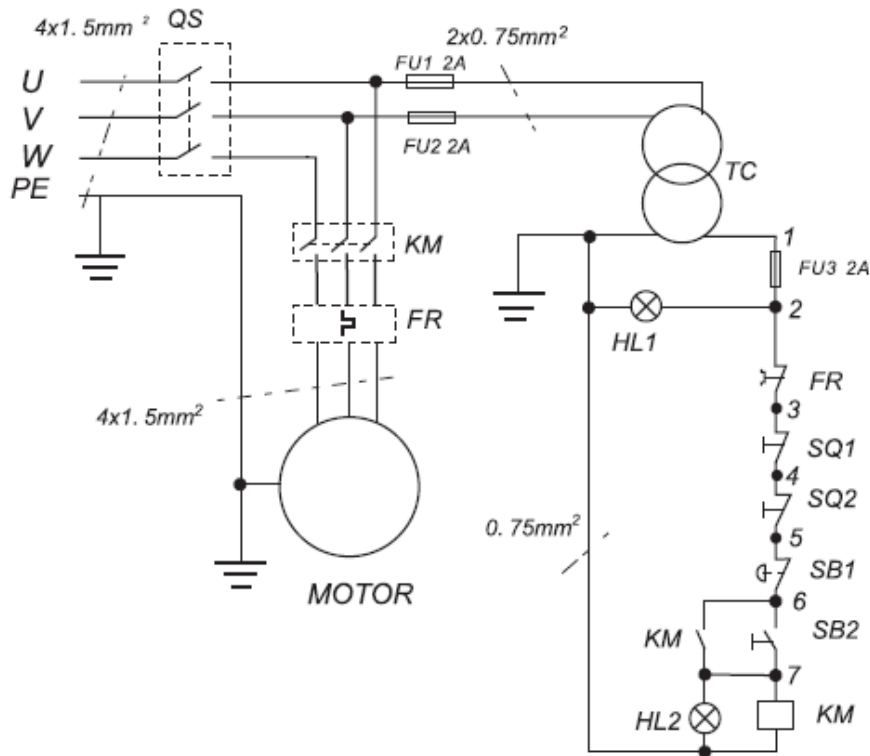
**Disconnect the machine from the power supply prior to any checks performed at the machine itself!**



| Trouble                                       | Possible cause                                                                                                                                                                                 | Solution                                                                                                                                                                                                               |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Saw stops or will not start</b>            | <ul style="list-style-type: none"> <li>• Overload tripped</li> <li>• Saw unplugged</li> <li>• Fuse blown or circuit breaker tripped</li> <li>• Cord damaged</li> </ul>                         | <ul style="list-style-type: none"> <li>• Allow motor to cool and reset by pushing off switch</li> <li>• Check all power connections</li> <li>• Change fuse or reset circuit breaker</li> <li>• Change cable</li> </ul> |
| <b>Does not make accurate 45° or 90° cuts</b> | <ul style="list-style-type: none"> <li>• Stop not adjusted correctly</li> <li>• Angle pointer not set accurately</li> <li>• Miter gauge out of adjustment</li> </ul>                           | <ul style="list-style-type: none"> <li>• Check band with square and adjust stop</li> <li>• Check band with square and adjust pointer</li> <li>• Adjust miter gauge</li> </ul>                                          |
| <b>Band wanders during cut</b>                | <ul style="list-style-type: none"> <li>• Fence not aligned with band</li> <li>• Warped wood</li> <li>• Excessive feed rate</li> <li>• Incorrect band for cut</li> </ul>                        | <ul style="list-style-type: none"> <li>• Check and adjust fence</li> <li>• Select another piece of wood</li> <li>• Reduce feed rate</li> <li>• Change band to correct type</li> </ul>                                  |
| <b>Saw makes unsatisfactory cuts</b>          | <ul style="list-style-type: none"> <li>• Dull band</li> <li>• Band mounted wrong</li> <li>• Gum or pitch on band</li> <li>• Incorrect band for cut</li> <li>• Gum or pitch on table</li> </ul> | <ul style="list-style-type: none"> <li>• Replace band</li> <li>• Teeth should point down</li> <li>• Remove band and clean</li> <li>• Change band to correct type</li> <li>• Clean table</li> </ul>                     |
| <b>Band does not come up to speed</b>         | <ul style="list-style-type: none"> <li>• Extension cord too light or too</li> <li>• Low shop voltage</li> </ul>                                                                                | <ul style="list-style-type: none"> <li>• Replace with adequate size cord</li> <li>• Contact your local electric company</li> </ul>                                                                                     |
| <b>Saw vibrate excessively</b>                | <ul style="list-style-type: none"> <li>• Base on uneven floor</li> <li>• Bad v-belt</li> <li>• Bent pulley</li> <li>• Improper motor mounting</li> <li>• Loose hardware</li> </ul>             | <ul style="list-style-type: none"> <li>• Reposition on flat level surface</li> <li>• Replace v-belt</li> <li>• Replace pulley</li> <li>• Check and adjust motor</li> <li>• Tighten hardware</li> </ul>                 |
| <b>Saw band runs in opposite direction</b>    | <ul style="list-style-type: none"> <li>• 2 of the 3 leading phases are switched whether in Plug or socket</li> </ul>                                                                           | <ul style="list-style-type: none"> <li>• Shut off machine immediately. Let the connection to supply circuit be corrected by an electrician!</li> </ul>                                                                 |

**MANY MALFUNCTIONS AND DEFECTS CAN BE AVOIDED BY LETTING THE MACHINE BE CONNECTED TO YOUR POWER SUPPLY BY A CERTIFIED ELECTRICIAN**

## 31 SCHALTPLAN / WIRING DIAGRAM / ESQUEMA ELÉCTRICO / SCHÉMA ÉLECTRIQUE



- QS** Power switch
- SB1** Stop button w/Emergency stop
- SB2** Start button
- SQ1 SQ2** Limit switch
- KM** Contactor
- FR** Thermo protector
- FU1 FU2 FU3** Fuse 2A
- HL1** Power on light
- HL2** Run light
- TC** Transformer

## 32 ERSATZTEILE / SPARE PARTS

### 32.1 Ersatzteilbestellung

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.](#)

### 32.2 Spare parts order

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.](#)

### 32.3 Repuestos

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 cambio de componentes y piezas de recambio use originales.

Para cualquier consulta contáctenos en las direcciones arriba mencionadas o en su distribuidor.

### 32.4 Commande des pièces détachées

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.

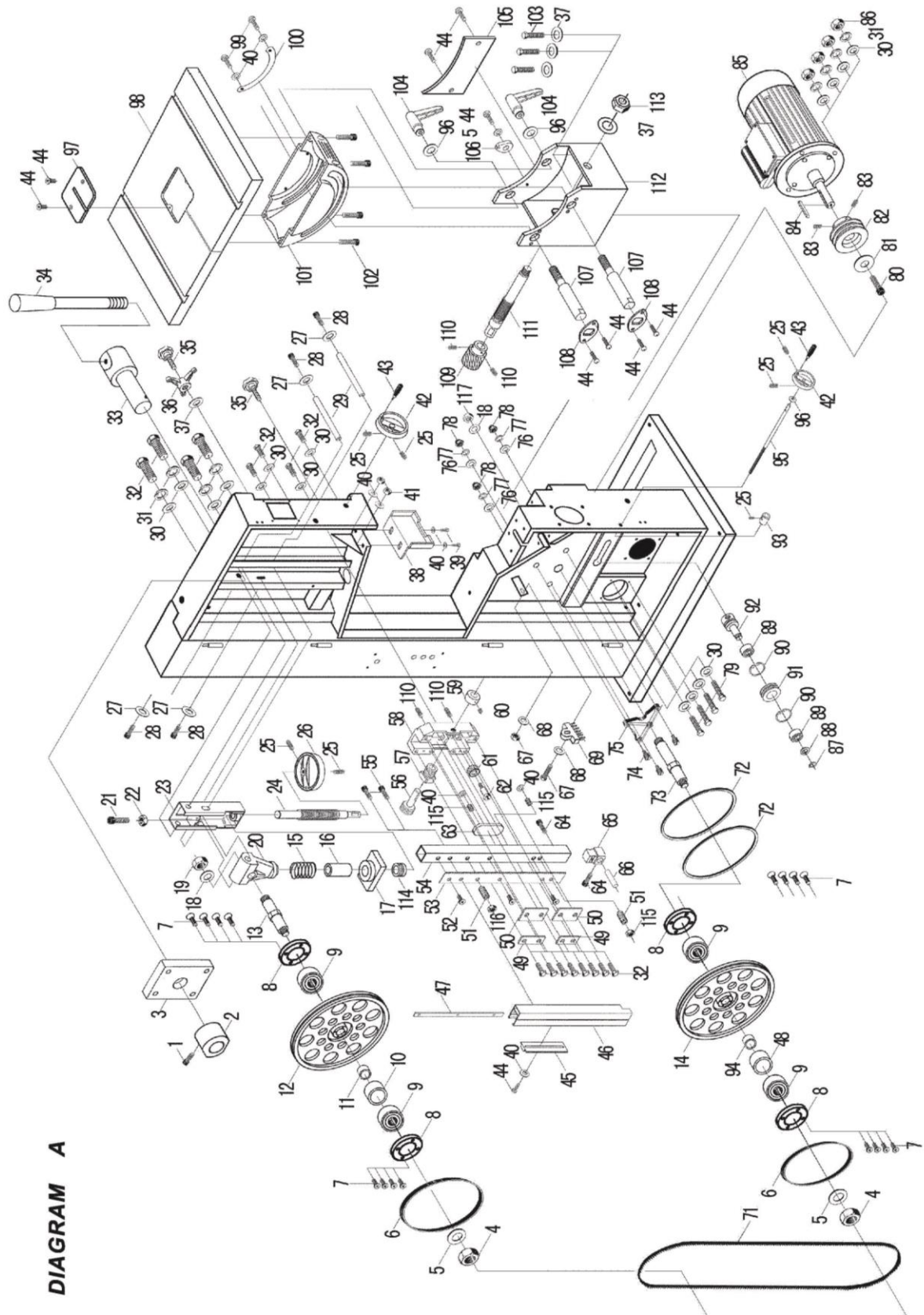
#### AVIS

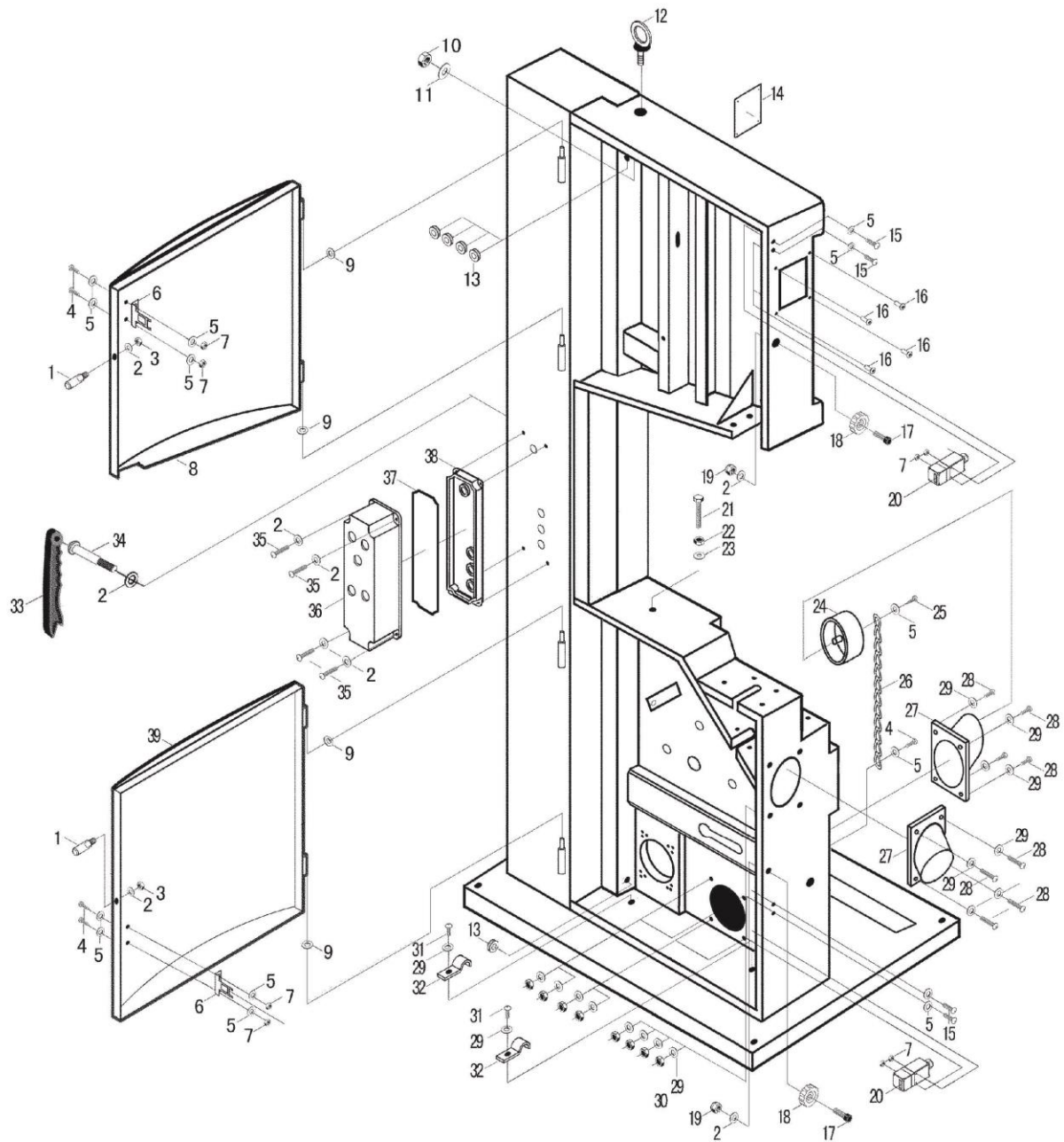
**En cas d'utilisation de pièces autres que celles autorisées par HOLZMANN et sans notre permis par écrit, la garantie sera annulée.**

Par conséquent:

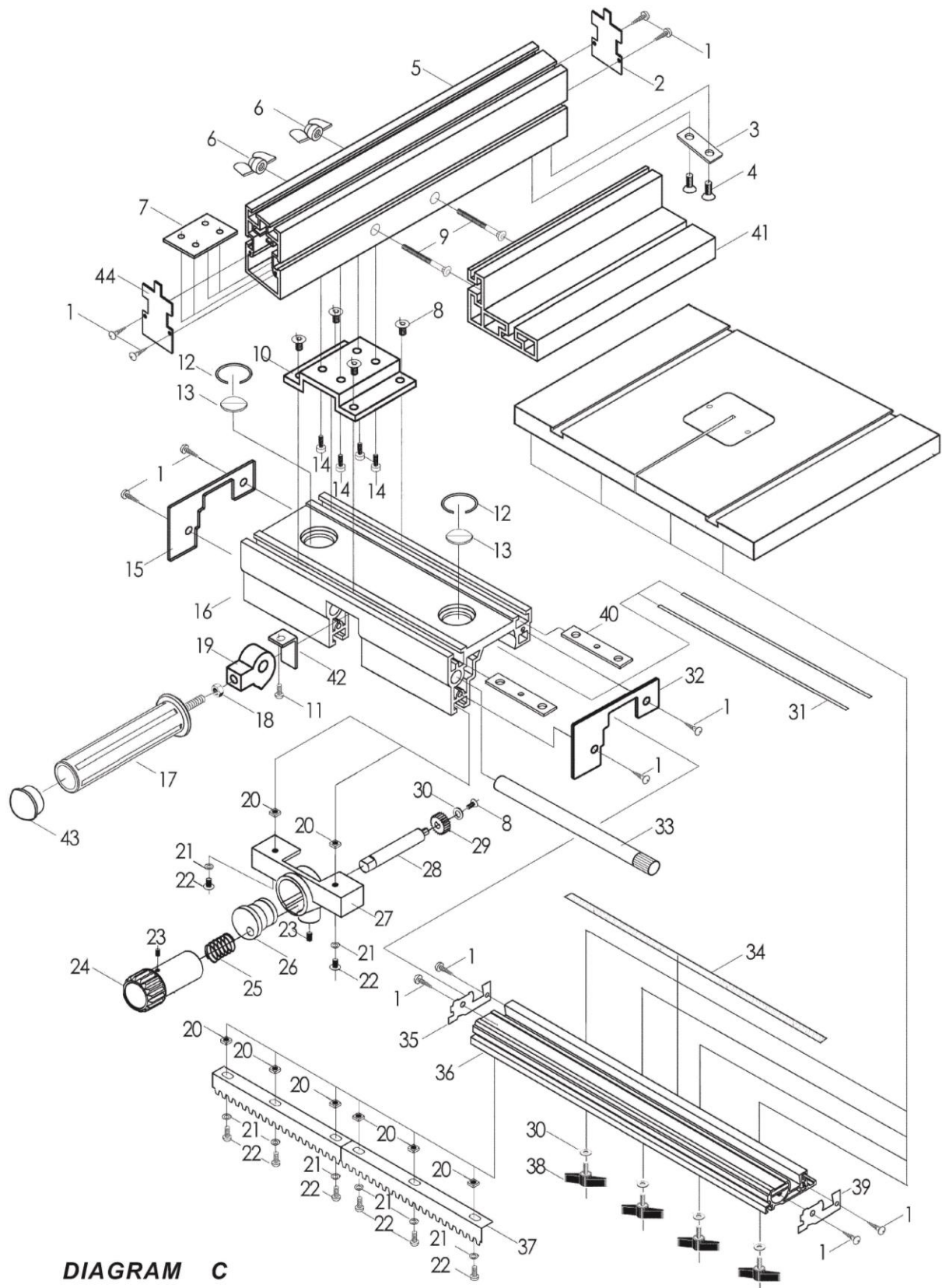
Pour l'échange de composants et l'utilisation des pièces détachées originales.

Pour toute question nous contacter à l'adresse ci-dessus ou votre revendeur.





**DIAGRAM B**



**DIAGRAM C**

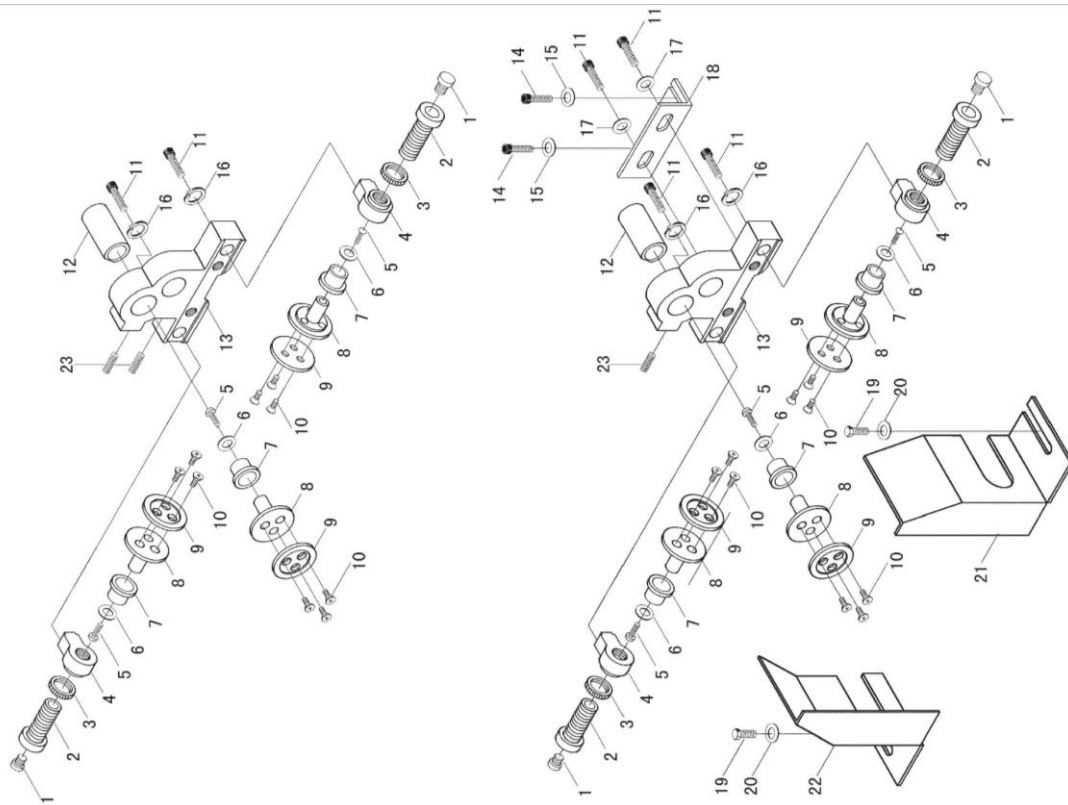


DIAGRAM D

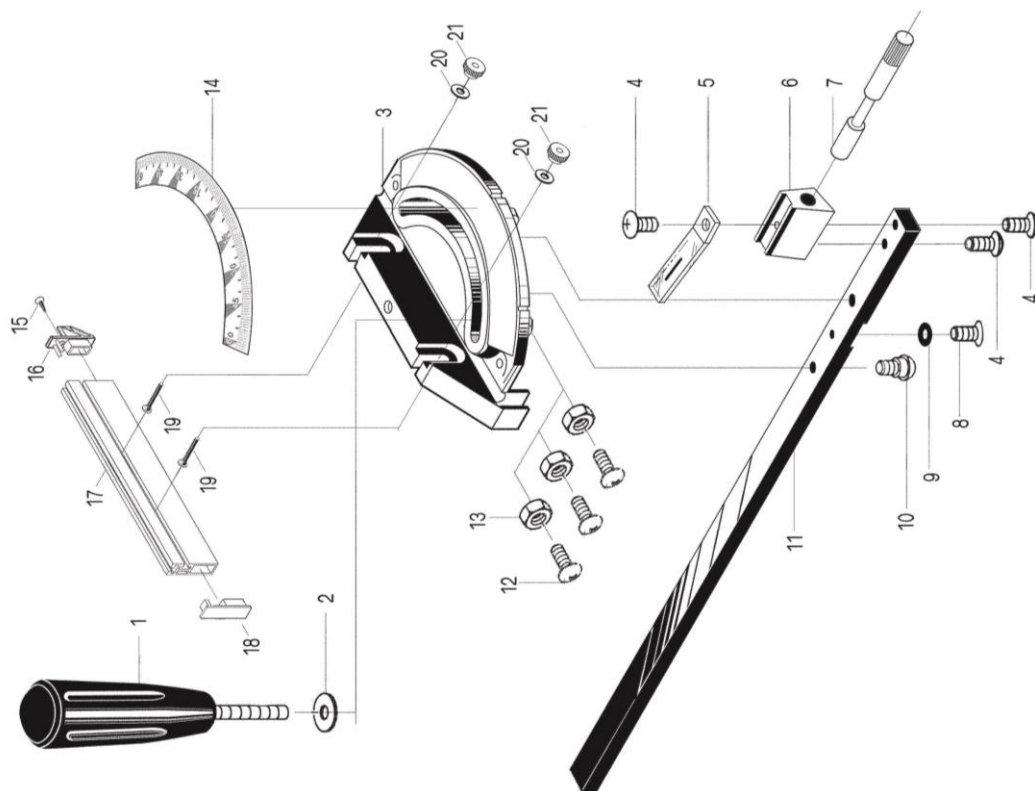
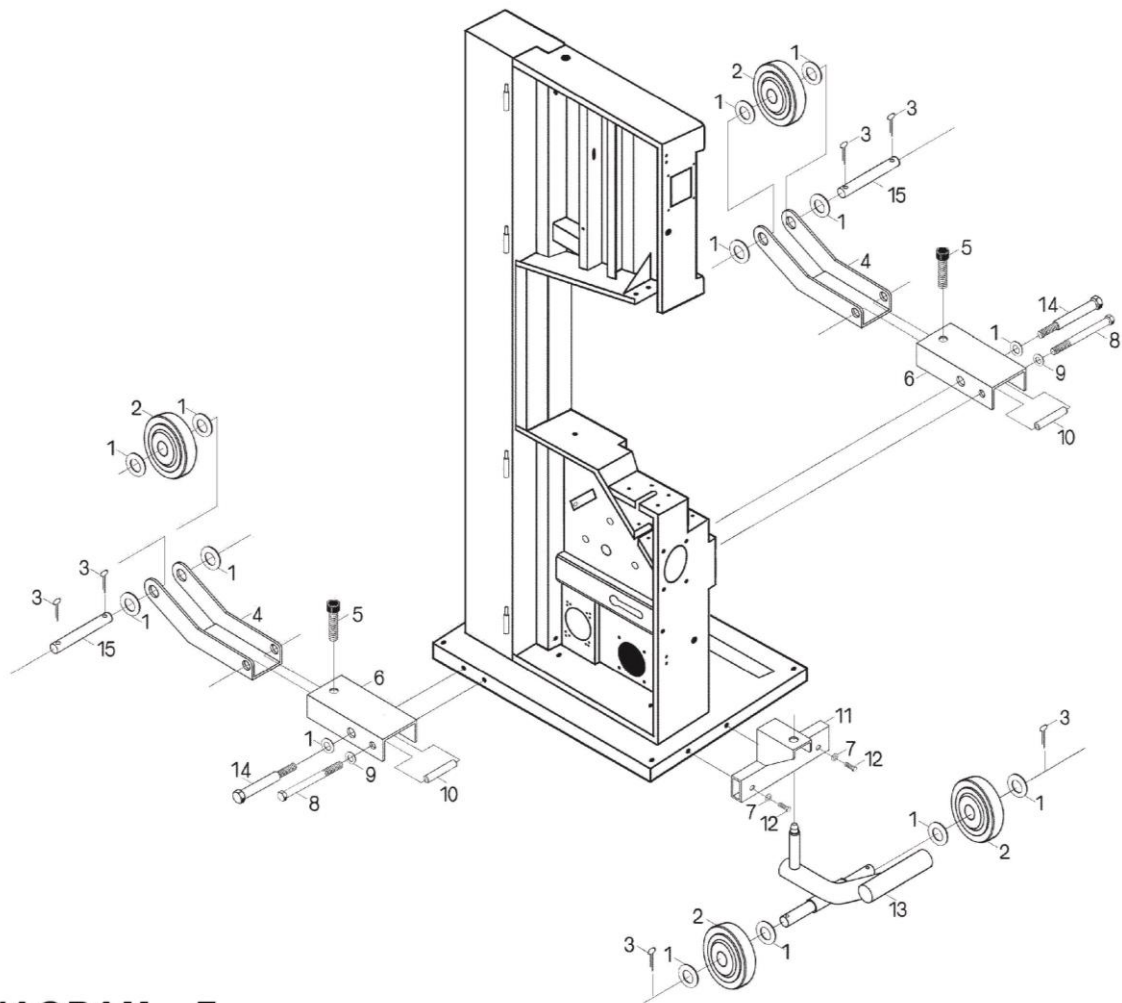


DIAGRAM E



**DIAGRAM F**

**Parts List (Diagram A)**

| <b>No</b> | <b>Description</b>         | <b>No</b> | <b>Description</b>       |
|-----------|----------------------------|-----------|--------------------------|
| A-1       | Allen screw M8x35          | A-41      | Hex nut M5               |
| A-2       | Cam shaft                  | A-42      | Hand wheel, belt tension |
| A-3       | Cam base                   | A-43      | Lever                    |
| A-4       | Thin hex nut M24           | A-44      | Pan head screw M4x12     |
| A-5       | Washer 24mm                | A-45      | Sliding guard            |
| A-6       | Tyre, wheel                | A-46      | Upper blade guard        |
| A-7       | Sunk head screw M6x12      | A-47      | Bolt guide, guard        |
| A-8       | Block bearing              | A-48      | Spacer, lower wheel      |
| A-9       | Bearing 6207               | A-49      | Cover, upper guard       |
| A-10      | Space, upper wheel         | A-50      | Cover, upper guard       |
| A-11      | Inner space, upper wheel   | A-51      | Spacer                   |
| A-12      | Upper wheel                | A-52      | Sunk head screw M5x10    |
| A-13      | Shaft, upper wheel         | A-53      | Rack                     |
| A-14      | Lower wheel                | A-54      | Square tube, upper guide |
| A-15      | Spring                     | A-55      | Allen screw M5x45        |
| A-16      | Spring seat                | A-56      | Worm                     |
| A-17      | Indicator base             | A-57      | Tread tube               |
| A-18      | Washer 30mm                | A-58      | Mount, upper guide       |
| A-19      | Thin hex nut M30           | A-59      | Ring worm                |
| A-20      | Mount, upper wheel         | A-60      | Set screw M4x5           |
| A-21      | Allen screw M6x25          | A-61      | Gear, upper guide        |
| A-22      | Hex nut M6                 | A-62      | Thread, gear             |
| A-23      | Bracket upper wheel        | A-63      | Block, upper guide       |
| A-24      | Thread upper wheel         | A-64      | Allen screw M6x16        |
| A-25      | Set screw M6x8             | A-65      | Mount upper guide        |
| A-26      | Hand wheel, upper wheel    | A-66      | Shaft, upper guide       |
| A-27      | Flat washer 8mm            | A-67      | Hex screw M6x16          |
| A-28      | Allen screw M8x12          | A-68      | Washer 6mm               |
| A-29      | Parallel pin               | A-69      | Brush                    |
| A-30      | Washer 8mm                 | A-70      | Hex nut M6               |
| A-31      | Spring washer 8mm          | A-71      | Saw blade                |
| A-32      | Hex screw M8x16            | A-72      | Motor belt "A" 1000mm    |
| A-33      | Lock cam                   | A-73      | Shaft, lower wheel       |
| A-34      | Lever, lock cam            | A-74      | Special bolt             |
| A-35      | Flower screw M10x40        | A-75      | Bracket Lower wheel      |
| A-36      | Star lock knob, wheel tilt | A-76      | Washer 16mm              |
| A-37      | Washer 10mm                | A-77      | Spring washer 16mm       |
| A-38      | Pointer mount              | A-78      | Cap nut M16              |
| A-39      | Pan head screw m5x16       | A-79      | Hex screw M8x180         |
| A-40      | Washer 5mm                 | A-80      | Allen screw M8x30        |

**Parts List (Diagram A cont.)**

| <u>No</u> | <u>Description</u>       | <u>No</u> | <u>Description</u>        |
|-----------|--------------------------|-----------|---------------------------|
| A-81      | Block, pulley            | A-100     | Scale, table tilt         |
| A-82      | Motor pulley             | A-101     | Table trunion, upper      |
| A-83      | Set screw M8x10          | A-102     | Allen screw M8x30         |
| A-84      | Flat key                 | A-103     | Allen screw M10x20        |
| A-85      | Motor                    | A-104     | Ratchet lever, table tilt |
| A-86      | Hex nut M8               | A-105     | Block trunion             |
| A-87      | Ring circle 20mm         | A-106     | Pointer tilt              |
| A-88      | Washer 20mm              | A-107     | Lock shaft, trunion       |
| A-89      | Bearing 6204             | A-108     | Washer, lock shaft        |
| A-90      | Ring circle 42mm         | A-109     | Knob, table tilt          |
| A-91      | Tension pulley           | A-110     | Set screw M8x8            |
| A-92      | Shaft tension pulley     | A-111     | Gear, table tilt          |
| A-93      | Collar, tension rod      | A-112     | Table trunion, lower      |
| A-94      | Inner space, lower wheel | A-113     | Lock nut M10              |
| A-95      | Thread tension rod       | A-114     | Trust bearing 8201        |
| A-96      | Washer 12mm              | A-115     | Spring                    |
| A-97      | Insert table             | A-116     | Hex nut M12x1             |
| A-98      | Table                    | A-117     | Hex nut M30               |
| A-99      | Pan head screw M5x6      |           |                           |

**Parts List (Diagram B)**

| <u>No</u> | <u>Description</u>   | <u>No</u> | <u>Description</u>    |
|-----------|----------------------|-----------|-----------------------|
| B-1       | Door lock pin        | B-21      | Hex screw M8x30       |
| B-2       | Washer 6mm           | B-22      | Hex nut M8            |
| B-3       | Hex nut M6           | B-23      | Washer 8mm            |
| B-4       | Pan head screw M4x12 | B-24      | Suction cover         |
| B-5       | Washer 4mm           | B-25      | Taping screw ST3.5x12 |
| B-6       | Key, micro switch    | B-26      | Chain, suction        |
| B-7       | Hex nut M4           | B-27      | Suction connector     |
| B-8       | Upper door           | B-28      | Pan head screw M5x16  |
| B-9       | Copper washer        | B-29      | Washer 5mm            |
| B-10      | Hex nut M10          | B-30      | Hex nut M5            |
| B-11      | Washer 10mm          | B-31      | Pan head screw M5x6   |
| B-12      | Ring, lift up        | B-32      | Clamp, wire           |
| B-13      | Bush wire            | B-33      | Push stick            |
| B-14      | View windows         | B-34      | Holder, push stick    |
| B-15      | Pan head screw M4x50 | B-35      | Pan head screw M5x25  |
| B-16      | Rivet                | B-36      | Cover, switch box     |
| B-17      | Allen screw M6x25    | B-37      | Seal, box             |
| B-18      | Door lock            | B-38      | Switch box            |
| B-19      | Lock nut M6          | B-39      | Lower door            |
| B-20      | Micro switch         | B-40      | Saw frame             |

**Parts List (Diagram C)**

| <b>No</b> | <b>Description</b>     | <b>No</b> | <b>Description</b>     |
|-----------|------------------------|-----------|------------------------|
| C-1       | Taping screw ST4.2x10  | C-23      | Set screw M6x6         |
| C-2       | Cap , fence            | C-24      | Handle, fine adjust    |
| C-3       | Plate, fence           | C-25      | Spring, gear           |
| C-4       | Sunk head screw M4x10  | C-26      | Eccentric, fine adjust |
| C-5       | Fence                  | C-27      | Seat, fine adjust      |
| C-6       | Wing nut M6            | C-28      | Rod, gear              |
| C-7       | Guide plate, screw     | C-29      | Gear                   |
| C-8       | Countersunk screw M5x8 | C-30      | Washer 5mm             |
| C-9       | Carriage bolt M6x70    | C-31      | PVC sticker            |
| C-10      | Jointer, fence         | C-32      | Right cap, fence guide |
| C-11      | Pan head screw m4x6    | C-33      | Rod, lock handle       |
| C-12      | Ring circle            | C-34      | Scale, fence guide     |
| C-13      | Len                    | C-35      | Left cap, fence rail   |
| C-14      | Allen screw M6x12      | C-36      | Fence rail             |
| C-15      | Left cap, fence guide  | C-37      | Rack, fine adjust      |
| C-16      | Fence guide            | C-38      | Wing screw             |
| C-17      | Lock handle, fence     | C-39      | Right cap, fence rail  |
| C-18      | Hex nut M8             | C-40      | Screw guide plate      |
| C-19      | Lock eccentric cam     | C-41      | "L" fence              |
| C-20      | Square nut M5          | C-42      | Lock plate             |
| C-21      | Washer 5mm             | C-44      | Cap , fence            |
| C-22      | Pan head screw M5x10   |           |                        |

**Parts List (Diagram D)**

| <b>No</b> | <b>Description</b>      | <b>No</b> | <b>Description</b> |
|-----------|-------------------------|-----------|--------------------|
| D-1       | End cap, thread         | D-13      | Guide base         |
| D-2       | Adjustable tread        | D-14      | Allen screw M6x12  |
| D-3       | Adjustable nut          | D-15      | Washer 6mm         |
| D-4       | Seat, adjustable thread | D-16      | Spring washer 8mm  |
| D-5       | Pan head screw M4x8     | D-17      | Washer 8mm         |
| D-6       | Flat washer 4mm         | D-18      | Angle bracket      |
| D-7       | Bush, copper            | D-19      | Hex screw M5x12    |
| D-8       | Seat, hard alloy block  | D-20      | Flat washer 5mm    |
| D-9       | Hard alloy block        | D-21      | Guard, lower guide |
| D-10      | Sunk head screw M4x8    | D-22      | Guard, lower guide |
| D-11      | Allen Screw M8x12       | D-23      | Set screw M8x10    |
| D-12      | Adjustable rod          |           |                    |

**Parts List (Diagram E)**

| <u>No</u> | <u>Description</u>   | <u>No</u> | <u>Description</u>    |
|-----------|----------------------|-----------|-----------------------|
| E-1       | Mitre gauge knob     | E-11      | Mitre gauge rod       |
| E-2       | Washer 6mm           | E-12      | Pan head screw M4x18  |
| E-3       | Mitre gauge base     | E-13      | Hex nut M4            |
| E-4       | Pan head screw M5x10 | E-14      | Scale, gauge          |
| E-5       | Indicator gauge      | E-15      | Taping Screw ST4.8x10 |
| E-6       | Block indicator      | E-16      | End cap, Gauge fence  |
| E-7       | Stop pin             | E-17      | Gauge fence           |
| E-8       | Sunk head screw M5x8 | E-18      | End cap, Gauge fence  |
| E-9       | Roller, gauge        | E-19      | Carriage bolt M6x32   |
| E-10      | Guide pin            | E-20      | Washer 6mm            |

**Parts List (Diagram F)**

| <u>No</u> | <u>Description</u> | <u>No</u> | <u>Description</u> |
|-----------|--------------------|-----------|--------------------|
| F-1       | Washer 16mm        | F-9       | Washer 12mm        |
| F-2       | Castor             | F-10      | Bushing bracket    |
| F-3       | Roll pin 4x30      | F-11      | Support, pull rod  |
| F-4       | Bracket castor     | F-12      | Hex screw M10x55   |
| F-5       | Allen screw M12x50 | F-13      | Pull rod           |
| F-6       | Bracket castor     | F-14      | Bolt, bracket      |
| F-7       | Washer 10mm        | F-15      | Shaft, castor      |
| F-8       | Hex screw M12x80   |           |                    |

### 33 KONFORMITÄTSERKLÄRUNG / CERTIFICATE OF CONFORMITY / CERTIFICADO DE CONFORMIDAD / CERTIFICAT DE CONFORMITÉ

|                                                                                                      |                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <b>Inverkehrbringer / Distributor</b>                                                                                                           |
|                                                                                                      | HOLZ <b>MANN</b> MASCHINEN® GmbH<br>A-4170 Haslach, Marktplatz 4<br>Tel.: +43/7289/71562-0; Fax.: +43/7289/71562-4<br>www.holzmann-maschinen.at |
| <b>Bezeichnung / name</b>                                                                            |                                                                                                                                                 |
| <b>Holzbandsäge / wood band saw / Sierra de cinta / Scie à ruban</b>                                 |                                                                                                                                                 |
| <b>Typ / model</b>                                                                                   |                                                                                                                                                 |
| <b>HBS 700 / HBS 800</b>                                                                             |                                                                                                                                                 |
| <b>EG-Richtlinien / EC-directives</b>                                                                |                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>▪ 2006/42/EG</li> <li>▪ 2004/95/EG</li> </ul>                 |                                                                                                                                                 |
| <b>Angewandte Normen / applicable Standards</b>                                                      |                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>▪ EN 61029-1/A11/2010</li> <li>▪ EN 61029-2-5:2011</li> </ul> |                                                                                                                                                 |

Hiermit erklären wir, dass die oben genannten Maschinen aufgrund ihrer Bauart in der von uns in Verkehr gebrachten Version den grundlegenden Sicherheits- und Gesundheitsanforderungen der angeführten EG-Richtlinien entsprechen. Diese Erklärung verliert ihre Gültigkeit, wenn Veränderungen an der Maschine vorgenommen werden, die nicht mit uns abgestimmt wurden.

Hereby we declare that the above mentioned machines meet the essential safety and health requirements of the above stated EC directives. Any manipulation or change of the machine not being explicitly authorized by us in advance renders this document null and void.

Por la presente declaramos que la máquina mencionada cumple todos los requisitos de seguridad y sanidad de la(s) Directiva(s) arriba mencionadas. Cualquier cambio realizado en la máquina sin nuestra permisión resultará en la rescisión de este documento.

Nous déclarons que la machine mentionnée sur ce document est aux normes de sécurité de la directive de la CE. La modification des paramètres de la machine sans notre autorisation aura comme résultat la résiliation de ce contrat.



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Klaus Schörgenhuber  
Geschäftsführer / Director

Haslach, 10.04.2014

Ort / Datum place/date