19013 04901

Precisa 6.0 230V/50Hz 3,0kW

19013 04902

Precisa 6.0 400V/50Hz 4,8kW

19013 04903

Precisa 6.0 230V/50Hz 3,0kW mit Vorritzeinrichtung

19013 04904

Precisa 6.0 400V/50Hz 4,8kW mit Vorritzeinrichtung

scheppach

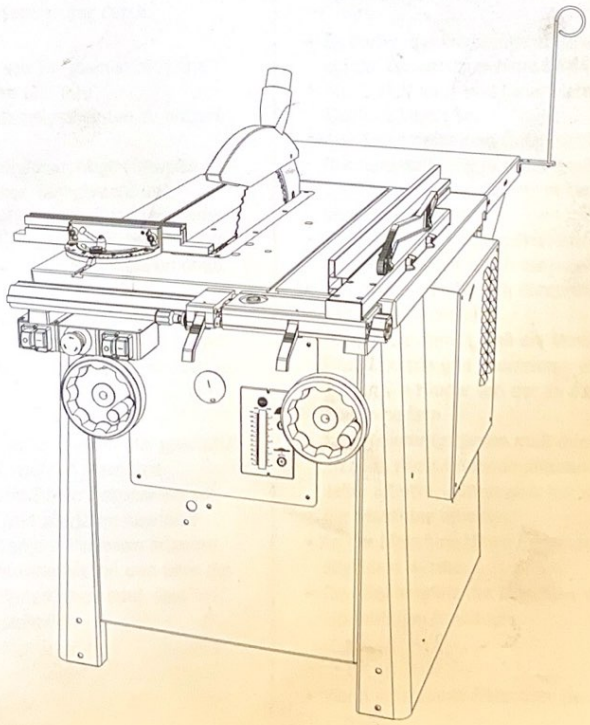
D Tischkreissäge

GB Circular Saw Bench

NL Tafelcirkelzaagmachine

FIN Pöytäsirkkeli

FR Scie circulaire à table



CE

1901304852

Manufacturer:
Scheppach
Fabrikation von Holzbearbeitungsmaschinen GmbH
Günzburger Straße 69
D-89335 Ichenhausen

General notes

- After unpacking, check all park for any transport darnage. Inforrn the supplier irnmediately of any faults.
- Later complaints cannot be considered.
- Make Sure the delivery is cornplete.
- Before putting into operation, familiarize yourself with the rnachine by carefully reading these instructions.
- Use only **original scheppach accessories,** wearing or replacement parts. **You can find replacement parts at your scheppach dealer.**
- **When ordering, include our item number and the type and year of construction of the machine.**

Note

In accordance with valid product liability laws, the manufacturer of this device shall not be responsible for damage to and frorn this device which results frorn:

- Irnproper care.
- Noncompliance with the Operating Instructions.
- Repairs rnade by unauthorized persons.
- The installation and use of any parts which are not original scheppach replacernent parts.
- Irnproper use and application.
- Failure of the electrical systern as a result of non-compliance with the legal and applicable electrical directives and VDE regulations 01 00, DIN 571 13 I VDE 01 13.

We recornrnend
that you read through the entire operating instructions before putting into operation.

These operating instructions are to assist you in getting to know your rnachine and utilize its proper applications.

The operating instructions contain important notes on how you work with the rnachine safely, expertly, and econornically, and how you can avoid hazards, save repair costs, reduce downtirne and increase the reliability and service life of the machine.

In addition to the safety requirements contained in these operating instructions, you rnust be careful to observe your country's applicable regulations

The operating instructions must always be near the machine. Put thern in a plastic folder to protect thern frorn dirt and humidity. They rnust be read by every operator before beginning work and observed conscientiously. Only persons who have been trai- ned in the use of the machine and have been infor- rned of the various dangers may work with the rnachine. The required minimurn age rnust be observed.

In addition to the safety requirernents contained in these operating instructions and your country's applicable regulations, you should observe the generally recognized technical rules concerning the operation of woodworking machines.

Contents

Safety notes

- **In these operating instructions we have marked the places that have to do with your safety with this sign.** ⚠
- Please pass on safety notes and instructions to all those who work on the machine.
- The machine has been built in accordance with state-of-the-art standards and the recognized safety rules. Nevertheless, its use may constitue a risk to life and limb of the User or of third parties, or cause damage to the machine and to other material property.
- Only tools which conform to E**uropean standard EN 847-1** may be used.
- Observe all safety instructions and warnings attached to the machine.
- See to it that safety instructions and warnings attached to the machine are always complete and perfectly legible.
- The bench circular saw may not be used to cut fire wood.
- Caution when working: There is a danger to fingers and hands from the rotating cutting tool.
- Check all power supply lines. Do not use defective lines.
- Insure that the saw bench is Set up in a stable position on firm ground.
- Keep children away from the machine when it is connected to the power supply.
- Operating personal must be at least 18 years of age. Trainees must be at least 16 years of age, but may only operate the machine under adult supervision.
- Persons working on the machine may not be diverted from their work.
- The working space on the machine must be free of chips and wood scrap.

- If a second Person is at the circular saw bench to remove cut workpieces, the machine must be equipped with a table extension. The second per- son may only stand at the removal end of the table extension.
- Fit only sharp, crack-free and undistorted circular saw blades.
- Circular saw blades made of super-high-speed steel must not be used.
- Safety devices on the machine must not be dismantled or put out of action.
- The splitting wedge is an important safety feature. The workpiece is fed through the splitting wedge, which prevents the cut from closing behind the saw blade and also prevents the workpiece from kicking back.
- Always lower the protective Cover over the work- piece for each operation.
- The cowl must stand horizontally above the saw blade during all working procedures
- Always use the push-stick for longitudinal cutting of narrow workpieces of less than 120 mm.
- Always stop the machine and disconnect the mains plug before remedying faults or removing jammed pieces of wood.
- Replace the blade-slot insert if it is damaged. **Disconnect the mains plug!**
- Wear only close-fitting clothes. Remove rings, bracelets and other jewelry.
- Pay attention to the rotational direction of the motor and tool - See Electrical Connection.
- Cleaning, changing, calibrating, and setting of the machine may only be carried out when the motor is switched off. Pull the power supply plug and wait for the rotating tool to completely stop.
- Switch the machine off and **pull power supply plug** when rectifying any malfunctions
- For all working procedures the machine must be connected to a **scheppach Dust extractor. Observe instructions for proper use.**
- When working on the machine, all safety mecha- nisms and Covers must be mounted.
- Circular saw blades made from superspeed steel may not be used.
- The splitting wedge is an important safety feature. The workpiece is fed through the splitting wedge, which prevents the cut from closing behind the saw blade and also prevents the workpiece from kicking back.
- Note the thickness of the splitting wedge - See figures stamped into the splitting wedge. The splitting wedge may not be thinner than the saw blade and not thicker than cutting joint width.
- Before the machine is put into operation it must be connected to a dust extractor with a flexible, non-flammable suction hose. The suction should switch on automatically when the machine is switched on.
- When leaving the work place, switch the motor off. Pull the power supply plug.
- Cut off the external power supply of the machine or plant even if only minor changes of place are envisaged. Properly reconnect the machine to the supply mains before recommissioning.
- Connection and repair work on the electrical installation may be carried out by a qualified electrician only.
- All protection and safety devices must be replaced after completing repair and maintenance procedures.
- Pay attention to an sufficient illumination of the workplace.
- Proof the braking time till the saw blade stopps daily. It must not be longer than 10 seconds, otherwise do not continue working.
- Always wear ear protection and protection glasses during working
- Wear gloves when you change the saw blade
- Power down the machine when you clean it
- **Operating conditions:** Do not use the machine outside only inside in closed rooms
- **Store conditions:** humidity should not be under 90% and not condensed
- Safe big work pieces of canting

Use only as authorized

- **The machine corresponds to the valid EC guideline.**
- **The scheppach Precisa 6.0 circular sawbench** is defined as a machine in accor- dance with **EN 1870-1.**
- For transporting the machine within the workshop area use the **scheppach wheel assembly** (accessory)
- The working position is to the front of the machine either to the right or the left sawblade.
- The machining range and surrounding areas of the machine must be clear of interfering foreign mat- ter to prevent accidents occurring.
- Workpieces must be completely free of foreign objects, i.e. nails or screws.
- Before the machine is put into operation it must be connected to a dust extractor with a flexible, non-flammable suction hose. The suction should switch on automatically when the machine is switched On.
- Use the **scheppach** dust extractor ha 3200 or ha 2600 to remove matchwood or saw dust. The vacuum support flow rate must be 20 mls. Subat- mospheric pressure 1200 Pa.
- The **scheppach** automatic switching unit is avai- lable as a special accessory.
  Typ ALV 2
  Art. Nr. 791 0 401 0 230 V150 Hz
  Typ ALV 10
  Art. Nr. 791 0 4020 400 V150 Hz
  The vacuum exhaust unit automatically switches on after a 2-3 second delay after the machine tool is turned On. This avoids overloading the circuit fuse.
  After turning off the machine tool, the vacuum exhaust unit remains on for an additional 3 - 4 seconds and is then automatically switched off. Remaining dust is thereby removed by vacuum exhaust, as required by German regulations governing hazardous materials. This results in savings in electricity consumption and reduces noise levels, as the vacuum exhaust unit is on only during machine tool operation.
  For work in commercial spaces, the **scheppach** dust extractor rg 4000 must be used. Do not remove or shut off vacuum exhaust systems or dust removers while machine tools are operating.
- The scheppach circular sawbench is designed exclusively for the machining of wood and materi- als similar to wood. Only original scheppach tools and accessories may be used. Use the required sawblade in accordance with the EN 847-1 norm depending on the type of cut and type of wood (solid wood, plywood or chipboard). Please observe the **scheppach „Special Tool Accessories“** (page 18).

- For using the machine not as intended, the manufacturer will not take any liabilities
- The machine is designated for commercially use

Rernaining hazards

The rnachine has been built using modern techno- logy in accordance with recognized safety rules. Some rernaining hazards, however, may still exisi.

- The rotating saw blade can cause injuries to fingers and hands if the work piece is incorrectly fed.
- Thrown work pieces can lead to injury if the work piece is not properly secured or fed, such as working without a limit stop.
- Noise can be a health hazard. The perrnitted noise level is exceeded when working. Be Sure to wear personal protective gear such as ear protection.
- Defective saw blades can cause injuries. Regularly inspect the structural integrity of saw blades.
- The use of incorrect or damaged mains cables can lead to injuries caused by electricity.
- Even when all safety measures are taken, some remaining hazards which are not yet evident may still be present
- Remaining hazards can be rninimized by following the instructions in **„Safety Precautions“, „Proper Use“** and in the entire operating manual.

Scope of delivery

Circular saw bench Precisa 6.0 - partly assembled
Sawblade Ø 315
Long fence
Crosscut / mitre gauge
Riving knife
Dust extractor hood
Dust extractor accessories
Suction connection piece
Push-stick
Push-grip
Assembly too
Holding mandre
Assembly accessories (accessory pack)
Operating instructions
scorer saw blade Ø120 (only 1901304903/1901304904)

Accessories

	Model No.
Sliding table carriage 1400	5463 0701
Sliding table carriage 2000	5463 0702
Sliding table carriage 1400	5463 0703
Sliding table carriage 2000	5463 0704
Hingle arm	5463 0705
Fence rail 1350 extendible	5320 8180
Wheel base	5300 0705
Table width extension foldable	5463 0706
Table length extension	79017 00701
SUVA suction attachment	5460 1100
Table insert and collar nut for adjustable grooving cutter	5463 0707
Adjustable grooving cutter (only allowed to use in correspondece with SUVA-suction attachment)	7231 0709
clamping fence cpl. rightside	7939 0301
fence rail 1500	5300 0077
automatic switch-on mechanism ALV 2	7910 4010
automatic switch-on mechanism ALV 10	7910 4020

Acessory sawblades

Only install Original scheppach sawblades!

Special sawblade **Model Nr. 6310 4101**
Hardened metal sawblade for coated furniture boards
Dimensions:

Total	Ø mm	250
Bore	Ø mm	30
No. of teeth		80 Z

sawblade **5100 5556**
Universal trimming blade hardened metal teeth for long and cross cuts in wood and chip board.
Dimensions:

Total	Ø mm	315
Bore	Ø mm	30
No. of teeth		48 WZ

sawblade **5100 5504**
Universal trimming blade hardened rnetal tipped for long and cross cuts in solid wood.
Dimensions:

Total	Ø mm	300
Bore	Ø mm	30
No. of teeth		48 WZ

sawblade **5100 5507**
Universal TCT sawblade for length and cross cuts in solid wood.
Dimensions:

Total	Ø mm	300
Bore	Ø mm	30
No. of teeth		72 Z

sawblade **7986 3001**

Special low noise sawblade, hardened metal tipped for plastic coated furniture boards.

Dimensions:

Total	Ø mm	300
Bohrung	Ø mm	30
No. of teeth		60 Z

sawblade **5100 5501**

Universal trimming blade for soft and hard wood.

Dimensions:

Total	Ø mm	300
Bore	Ø mm	30
No. of teeth		28 WZ

Scoring sawblade **5472 0313**

Hardened metal sawblade for scoring plastic coated furniture boards.

Dimensions:

Total	Ø mm	120
Bore	Ø mm	20
No. of teeth		26 Z

Technical data

Dimensions:		
general length	mm	1100
total length with table extension	mm	1400
total width	mm	760
total height	mm	1110
table size	mm	805x680
table height	mm	850
circular sawblade Ø max.	mm	315
circular sawblade Ø min.	mm	250
cut height 90°	mm	110
cut height 45°	mm	77
sawblade adiustment ranae	mm	110
rotary speed	1/min.	4000
cutting speed	m/sec.	66
scoring sawblade Ø	mm	120
scoring sawblade rotary speed	1/min.	8000
cutting speed - scoring	m/sec.	50
parallel stop longitudina	mm	800
parallel cut max. width	mm	390
parallel cut width with table width extension - foldable	mm	1100
angling fence		0-60°
angling fence guide	mm	T-Profil

Cut width 90" angular cut:

with Cross / mitre gauge	mm	270
with sliding table carriage 1400	mm	900
with sliding table carriage 2000	mm	960
suction connection piece Ø	mm	50
suction connection piece Ø	mm	100
suction volume flow at 20 m/s	Ø 100 =	560 m³/h
suction at suction connection piece	Ø 100 =	170 Pa
	Ø 50 =	918 Pa
ambient conditions		- 5° C
		+ 35° C
nett weight	kg	215
nett weight with scorer	kg	224

Drive

Electric motor		**230V 50 Hz**	**400V 50 Hz**
input power P1	kW	3,0	4,8
output power P2	kW	2,2	4,0
motor rotary speed	1/min.	2800	2800
drive type		S6/40%	S6/40%
rated current		11,6 A	8,2 A
Scorer			
input power P1	kW	0,8	
output power P2	kW	0,5	

Noise characteristic values

Measurement conditions in accordance with draft pr EN 1870-1: 1995-07; DIN EN ISO 11202; DIN EN ISO 3746

The values stated are emission values and are there- fore not necessarily safe operating values. Although there is a correlation between emission and immis- sion levels, you cannot reliably deduce from this whether additional safety measures are required or not. Factors which can influence the immission level currently at the workstation comprise the duration of the effects, the characteristics of the work room, other sources of noise etc., for example, the number of machines and adjacent operations. The permissible values per workstation can also vary from country to country. This information should nevertheless enable the user to make a better esti- mation of dangers and risks.

Sound intensity level in dB

Idling L_{WA} =	97,5 dB(A),
Working L_{WA} =	100,4 dB(A)

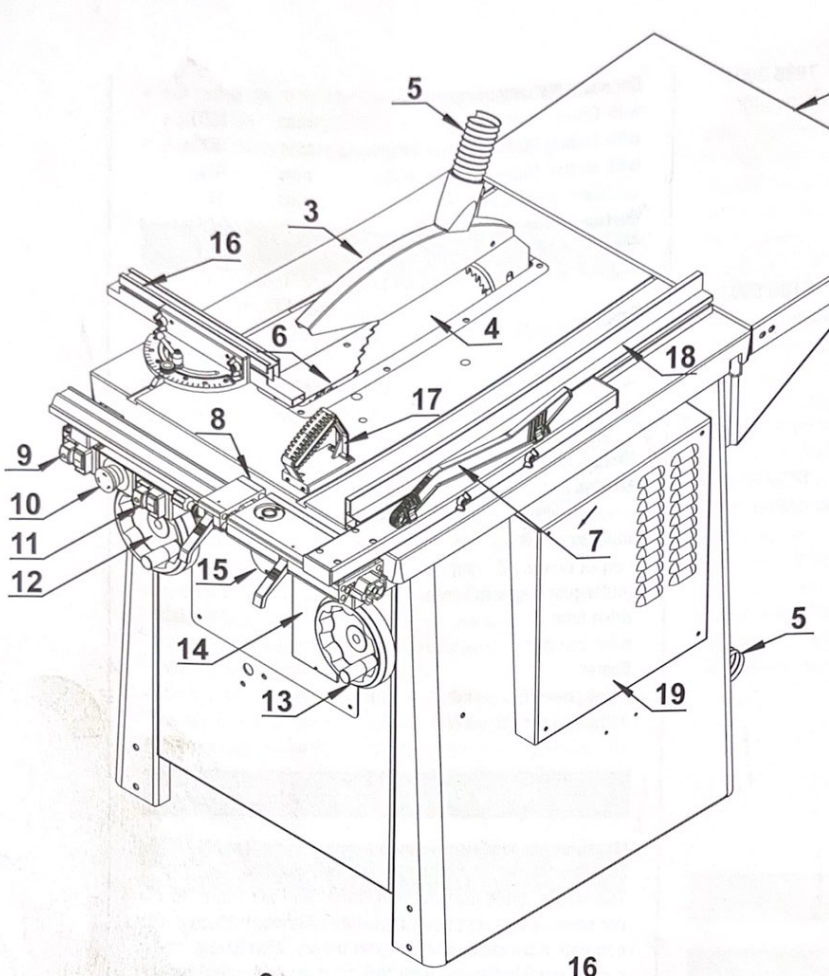
Work place based emission values in dB

Idling L_{pAeq} =	86,7 dB(A),
Working L_{pAeq} =	87,1 dB(A)

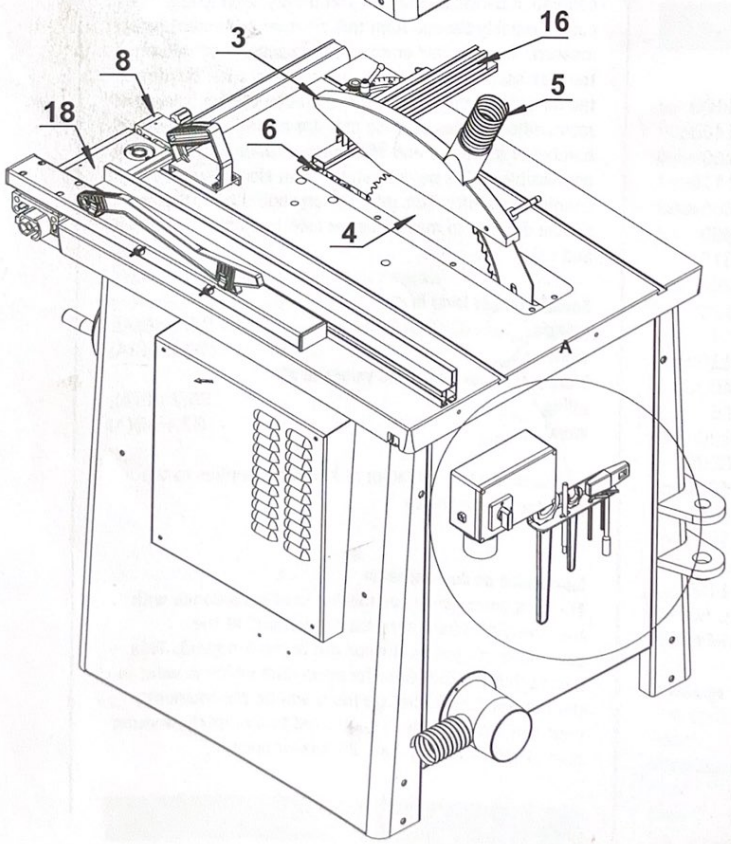
A measurement error factor of K = 4 dB applies to the stated emission values.

Information on dust emission

The dust emission values measured in accordance with the „principles for testing dust emission" of the committee of experts of wood are below 2 mg/m3. This means that the TRK limit for wood dust which is valid in the Federal Republic of Germany will be per- manently kept to if the machine is connected to a properly working dust extractor with at least 20 mls air speed.



1 - Hose holder
2 - Table length extension
3 - Protection cover for sawblade scoring attachment
4 - Saw blade Ø 315
5 - Suction hose Ø50
6 - Prescoring device Ø120
7 - push stick
8 - Fine adjustment for ripping fence
9 - On/off switch / main saw blade
10 - Kick switch (only with prescoring device)
11 - On/off switch / prescoring device
12 - Hand wheel – angle adjustment
13 - Hand wheel – height adjustment
14 - Height display
15 - Angle display
16 - Crosscut/Mitre gauge
17 - Handle
18 - Ripping fence
19 - Motor cover
20 - Electric affiliation
21 - Main switch (only 4,8 kW)
22 - Key SW30
23 - Holding mandrel
24 - Key SW19
25 - Key SW8 (only with scoring attachment)
26 - Hexagonal key SW5
27 - Hexagonal key SW4



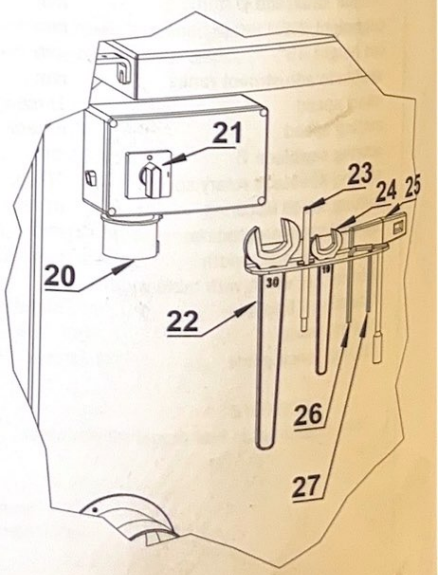


Fig. "A"

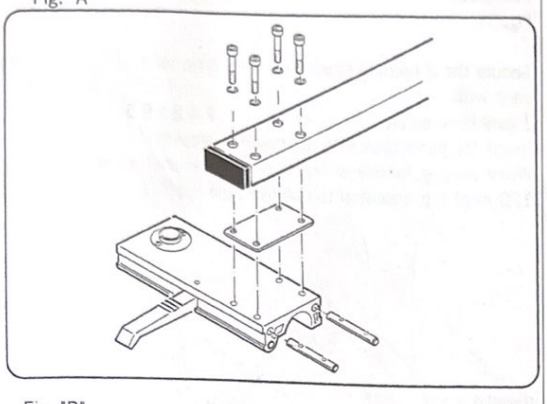


Fig. "B"

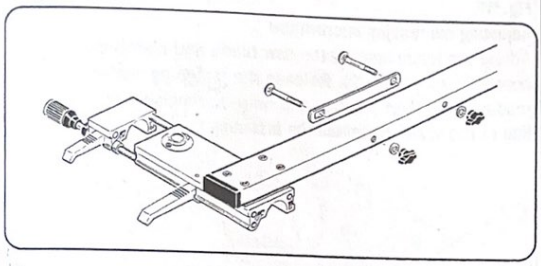


Fig. "F"

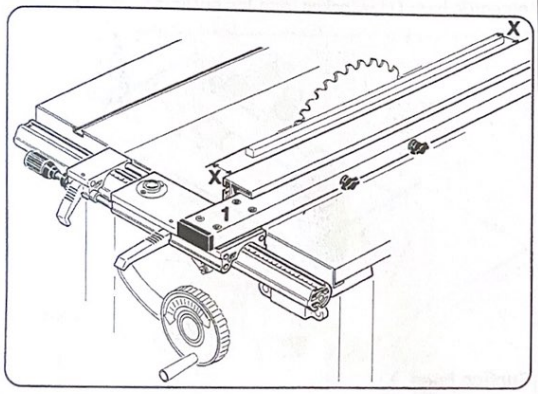
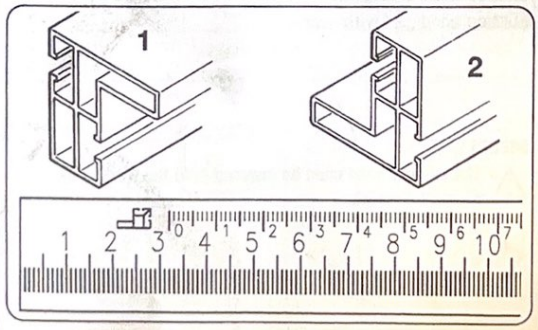


Fig. "G"



Mounting

All assembly and retrofitting work may only be performed when the mains plug has been disconnected.

Your scheppach circular sawbench is not completely assembled for packaging reasons.

Assembly tools

The following are included in the scope of delivery:

1 open-end spanner	19 mm width across flats
1 open-end spanner	30 mm width across flats
1 allen key	5 mm width across flats
1 allen key	6 mm width across flats
1 allen key	4 mm width across flats

Parallel fence Fig. "A"

Screw the fence section, in-between plate and guiding slide together. For this purpose, insert the threaded bolts in the guiding slide.

4 intermediate bushes	
4 cheese head screws	**M 6 x 40**

Fig. "B"

Attach the intermediate plate to the fence section.

- Do not tighten -

2 cheese head screws	**M 6 x 75**
2 washers	**6**
2 wing nuts	**M 6**

Parallel fence adjustment

Fig. "F"

- Open the extender lever on the sliding table (pull upwarts) and put it condescendingly on the guide tube

For precise adjustment of the parallel fence in relation to the circular saw blade, release the four cheese head screws **(1)**, and clamp the guide slide at a distance of approx. **100 mm** from the blade. Place a straight slat of approx. **600 mm** length against the blade. Align the fence parallel with the saw blade by repeated measurement **(X)** and readjustment. Retighten the cheese head screws **(1)**

Important!

For cutting widths below 120 mm always use a push stick.

Stop rail

Fig. "G"

Position 1:

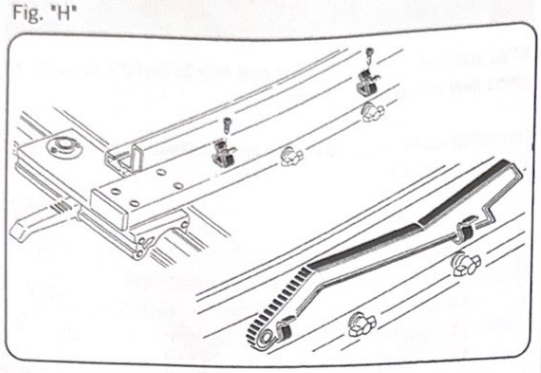
For working with raised stop bar surface. The displayed cut width is on the black display scale.

Position 2;

For working with lowered stop bar sur- face.

The displayed cut width is on the blue display scale. (Lower stop bar surface symbol)

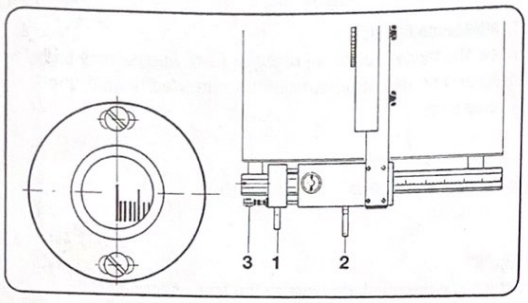
Fig. "H"



Push-stick
Fig. "H"

Secure the 2 holding brackets on the long stop.
each with
1 oval head screw **B 4,2 x 9,5**
Insert the push-stick into the holding brackets.
When cutting narrow workpieces lengthwise (i.e. smaller than 120 mm) it is essential to use the push-stick).

Fig. "I"



Parallel fence
Fig. "I"
Adjusting the reading microscope
Adjust the fence against the saw blade and clamp the eccentric levers **(1 + 2)**. Release the fastening screws of the reading magnifier; position the hairline precisely over the **Zero line** of the scale. **Retighten the fastening screwa.**

Fig. "J"

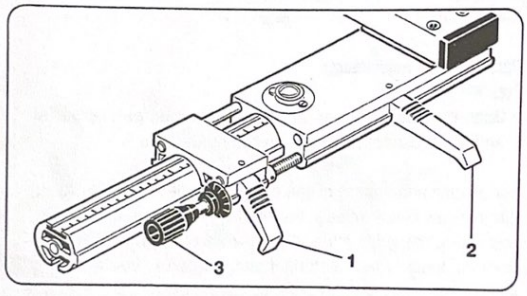
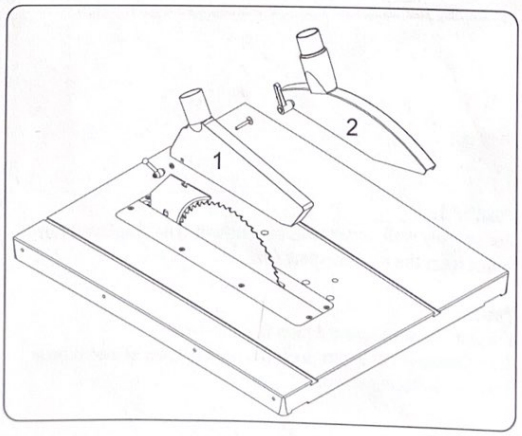


Fig. "J"
Fine-adjustmen
Fine adjustment is with the adjusting spindle **(3)** while the eccentric lever **(1)** is locked, and the eccentric lever **(2)** is open.

Fig. "K"



Suction hood

Fig. "K"
Screw the saucer-head screw M 6 X 40 with washer and lock lever into the suc- tion hood. Clamp the suction hood securely on the riving knife.
Suction hood „1" without scorer
Suction hood „2" with scorer

IMPORTANT!

⚠ **The suction hood must be lowered onto the workpiece for each new job.**

Fig. "L"

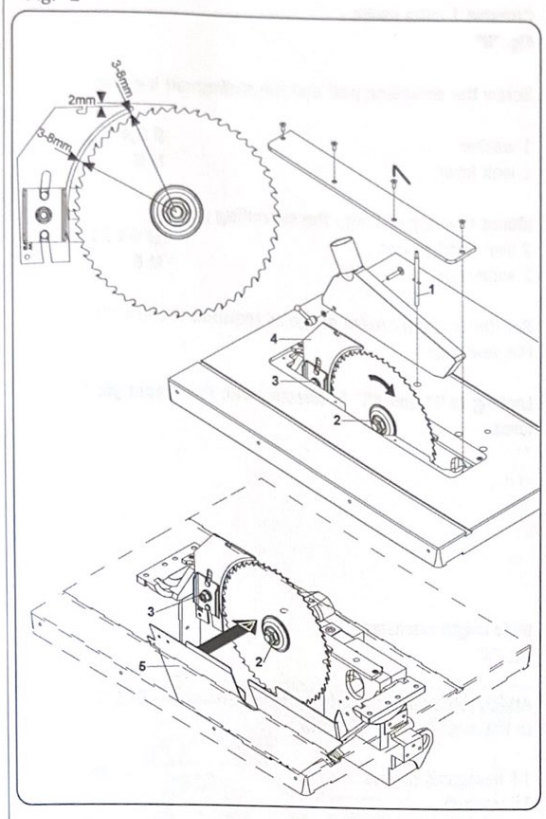


Fig. "L1"

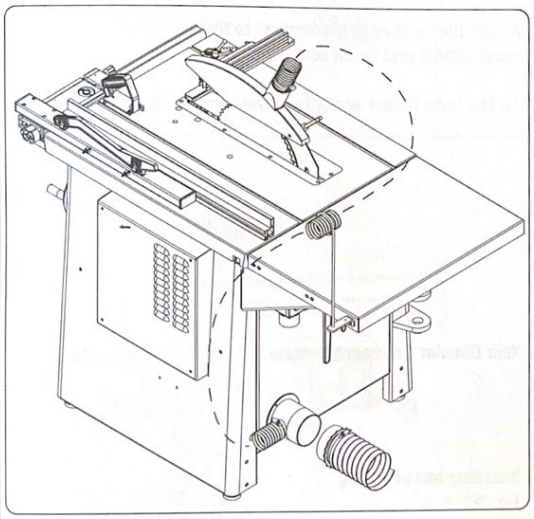
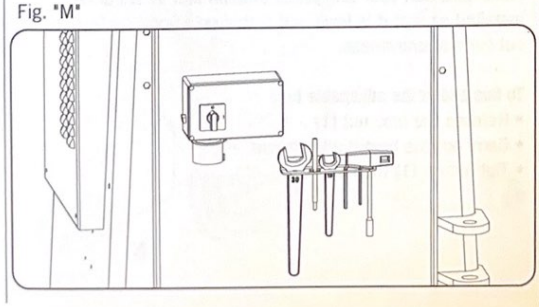


Fig. "M"



⚠ Sawblade - riving knife Fig. "L"

1 holding rnandrel
2 left-handed hex. nut

- Take out the left hand table inlay.

- Insert the holding mandrel **(1)** into the saw spindle via the bore in the right- hand side of the table. For releasing or tightening the hex. nut M 20 **(2)** the saw spindle is locked with the holding mandrel.
- **Note the sawblade running direction.**

⚠ Riving knife

- Release the screw **(3)**, insert and clamp in the riving knife. The distance between the sawblade and the riving knife **(4)** must amount to no more than 8 mm and must be checked each time the sawblade is changed and reset as necessary. The riving knife tip must never be set lower than the height of the base of the topmost sawtooth. A setting to rnax. **2 rnrn** under the topmost sawtooth tip is ideal.

The riving knife is an irnportant safety device, which guides the workpiece and prevents the cut pinching and the workpiece being thrown backwards. Note the riving knife thickness - refer to the nurnbers starnped on the riving knife. The riving knife must not be thinner than the sawblade body and not thicker than its cutting joint width.

Attention! Close the protection cap (5)
Risk of damage!

Suction hose Fig. "L1"

attach suction hose Ø 50 and affix hose band clip

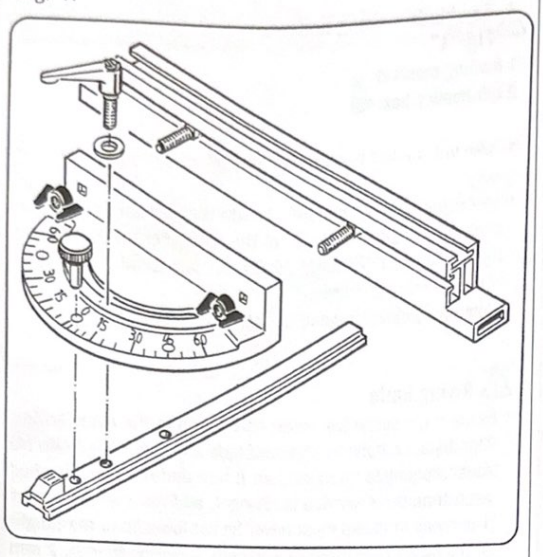
Suction connection piece

Place the suction connection piece for the dust extractor onto the back emission tube

Tool holder Fig. "M"

Place the supplied tools for the **Precisa 6.0** within easy reach in the tool holder.

Fig. "N"



Crosscut 1 mitre gauge
Fig. "N"

Screw the swivelling part and the sliding rail together.

1 washer	**Ø 6,4**
1 lock lever	**M 6**

Mount the stop rail onto the swivelling part

2 oval head screws	**M 6 x 25**
2 wing-nuts	**M 6**

Set the crosscut / mitre gauge as required to the right or left of the sawblade.

Locking at 0° and 45° is effected with the socket pin and lock lever.

Fig. "O"

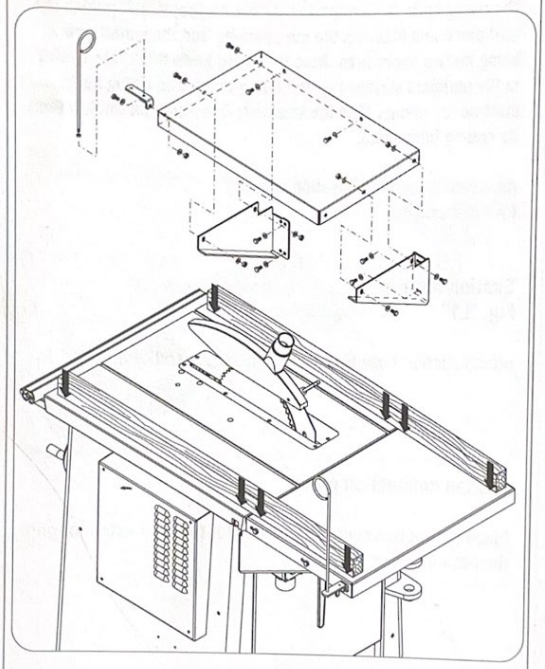


table length extension
Fig. "O"

Attach table lenght extension to the machine. Bolt the screws to the machine only by hand.

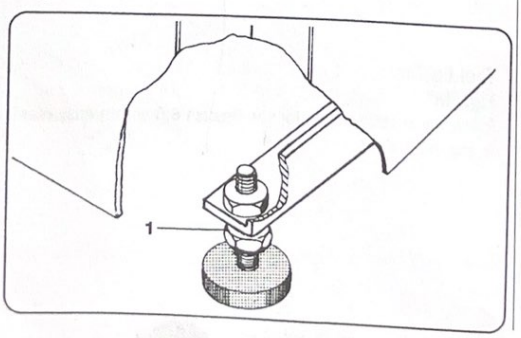
11 hexagonal screws	**M8x16**
16 washers	**Ø8**
5 hexagonal nut	**M8**

Adjust the table length extension to the saw table flat (with two wood lathes) and fix all screws.

Fit the hose holder and attach the suction hose Ø 50.

Your Circular saw bench Precisa 6.0 is now fully assembled.

Fig. "P"



Installing and adjusting
Fig. "P"

Make sure that your **scheppach Circular saw bench ts 4020** is installed so that it is level and stable on a solid surface. Level out surface uneveness.

To this end at the adjustable feet

- Release the hex. nut **(1)**
- Carry out the height adjustment
- Tighten up **(1)** the hex. nut

Starting operations

⚠ **Please read the safety instruc- tions before setting the saw bench into operation.**

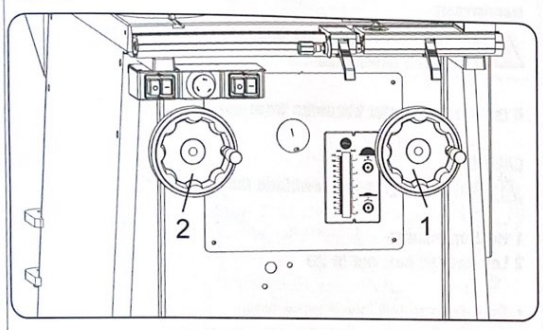
All protective and auxiliary devices must have been mounted.The scheppach Precisa 6.0 is ready for operation when it has been connected to the mains.

NOTE:

In accordance with valid product liability laws, the manufacturer of this device shall not be responsible for damage to and from this device which results from:

- Improper care
- Noncompliance with the Operating Instructions
- Repairs made by unauthorized persons
- The installation and use of any parts which are not original **scheppach** replacement parts.
- Improper use and application
- Failure of the electrical system as a result of noncompliance with the legal and applicable electrical directives and VDE regulations 0100, DIN 57113 / VDE 0113

Fig. "Q"



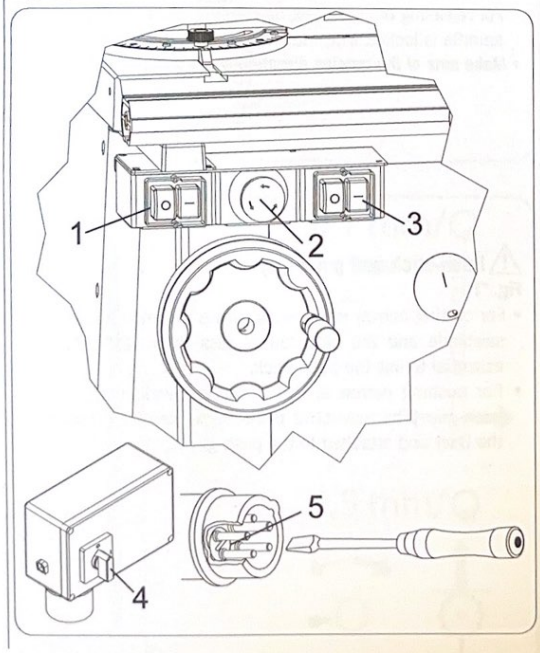
Sawblade height adjuctment
Sawblade angle adjustment

Fig. "Q"

- **The height is adjusted simply by turning the hand wheel "1" left or right.**
- With a sawblade **Ø 315 mm** read off the height to which the blade has been adjusted on the **left-hand scale.**
- **Sawblade Ø 315 mm = Cut depth from 0 - 110 mm**

- **The height is adjusted simply by turning the hand wheel "2" left or right.**
- **For adjusting the sawblade** angle setting **(max. 45°)** pull out the hand wheel with both hands and hold firmly. Release the lock handle **(1).**
- Set the desired angle by turning the hand wheel.
- To return to **0°** turn the hand wheel back until the end stop is reached.

Fig. "Q1"



Switch

Fig. "Q1"

1 - On/off switch saw blade
2 - Kick switch (only with scoring attachment)
3 - On/off switch prescoring device
4 - Main switch /only with 4,8 kW motor)
5 - Phase inverter (when changing the power suppy line or the location it is necessary to proof the directon of rotation, if necessary polarity must be changed)

Fig. "R"

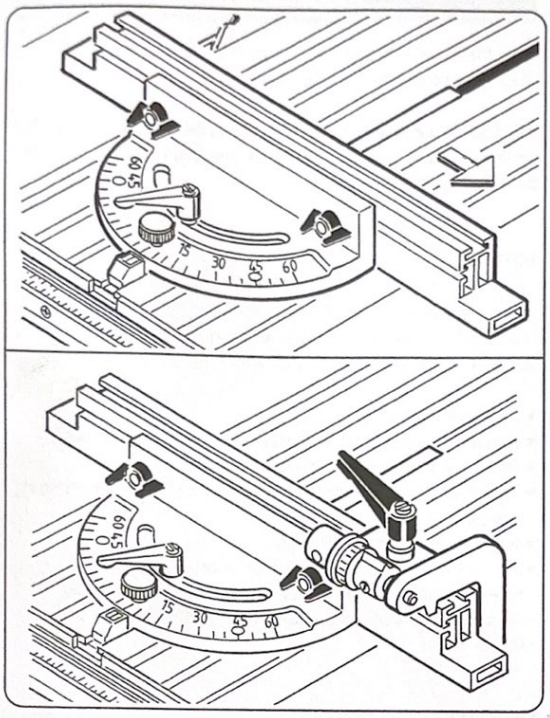


Fig. "S"

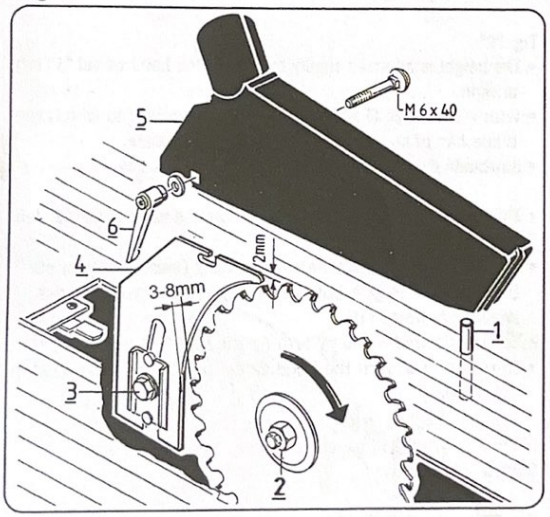
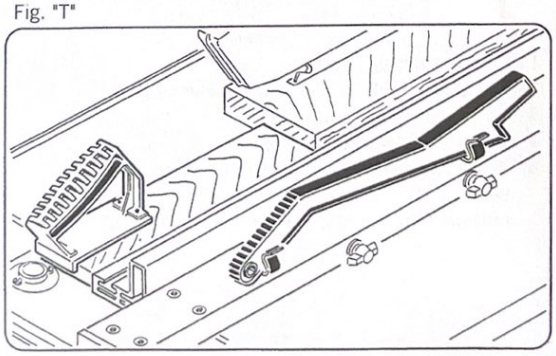


Fig. "T"



Crosscut / mitre gauge
Fig. "R"

The crosscut / mitre gauge can be fitted to the left or to the right of the sawblade.
The infinitely adjustable turning Zone is **0-60°** on both sides and is fixed with a tommy screw.
Fix the setting at **0° and 45°** with the socket pin and tighten up the tommy screw.

Folcling stop (accessory)

The folding stop which is fitted onto the stop rail, is an ideal supplement to the crosscut / mitre gauge.
The fine adjustment on the end stop enables exact settings via the knurled screw.

Changing the sawblades
Fig. "S"

IMPORTANT!
⚠ **Only use sharp, tear-free, unde- formed ,,Original scheppach sawblades".**

If the saw blade slot becomec worn out replace the table inlay.

CAUTION!
⚠ **When changing the sawblade take out the mains plug!**

1 Holding mandre
2 Left-handed hex. nut M 20

- Take out the left-hand table inlay.
- Insert the holding mandrel **(1)** into the saw spindle through the bore in the right-hand side of the table.
  For releasing or tightening up the hex. nut M 20 **(2)** the saw spindle is locked with the holding mandrel.
- **Make note of the running direction of the sawblade.**

⚠ Push-stick and push-grip
Fig. "T"

- For cutting narrow workpieces with a distance between the sawblade and the stop rail of less than 120 mm, it is essential to use the push-stick.
- For pushing narrow specially shaped workpieces use the push-grip. The respective push-blocks can be prepared by the User and attached to the push-grip.

Fig. "U"

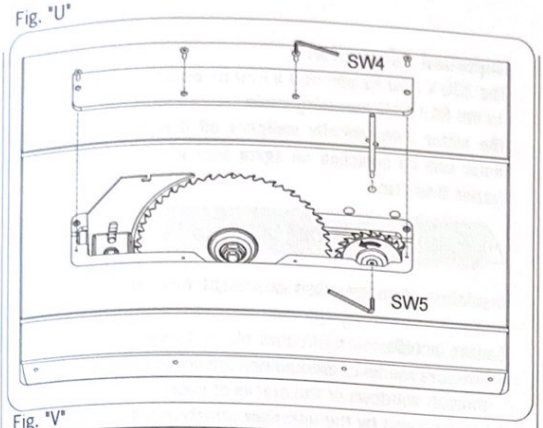


Fig. "V"

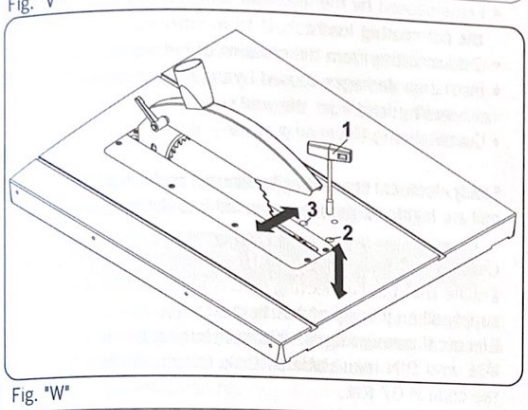


Fig. "W"

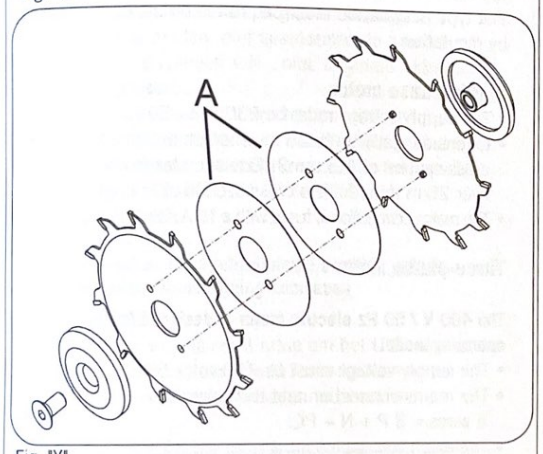
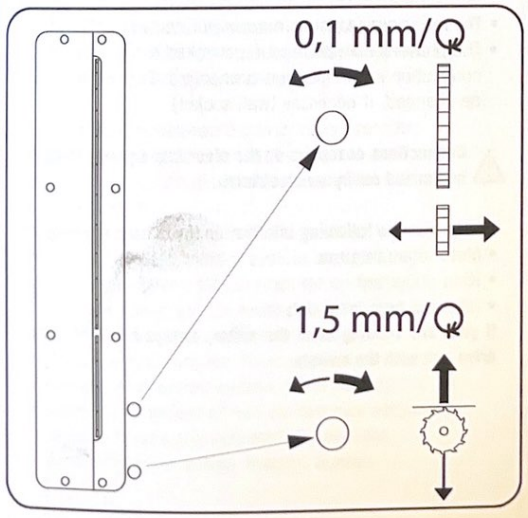


Fig. "Y"



Precutting device for panel sizing circular saws

Abb. "U"

Important:

⚠ Do only use sharpened, faultless „original" SCHEPPACH saw blades

In case of an redounded saw balde change the table insert.

ATTENTION !

⚠ Pull power cable before changing the saw balde

1 holding mandrel
2 screw M8

- Remove the left table insert
- Put the holding mandrel (1) in the saw shaft through the drilling in the left table half. For unfasting or fixing the screw (2) the saw shaft will be fixed with the holding mandrel
- **Take care of the running directon of the saw blade**

ATTENTION! Close protection cap (5)
Risk of damage! (Picture „L")

Fig. "V , W , Y"
the potrusion of the scoring saw balde on the table surface modifies to the cutting band form 1,0 – 2 mm.
With the screw (2) Fig „V" you will do the high adjustment 1 rotation conforms 1,5mm (Fig. „Y")
The band of the scoring saw blade will be regulated with the spacer washer (A). (1x0,1mm, 2x0,2mm, 1x0,3mm)Fig. „W"
The prescoring device should have the same size (band) than the saw blade of the machine, 2,8 mm – 3,6 mm are possible.

The alignment of the scoring saw blade to the saw blade of the machine will be adjusted with the screw (3) Fig. „V". 1 rotation conforms 0,1 mm (Fig „Y")

For checking make a cut sample.

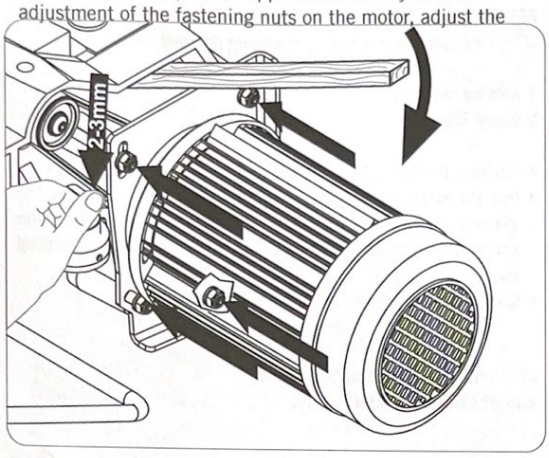
If the machine is not used, prescoring device and the screw (2) is to be dropped unter the table.

Maintenance

⚠ **Always switch off the motor and disconnect the plug from the power supply prior to any maintenance and cleaning work.**

The following maintenance points should be checked on the scheppach Precisa 6.0 circular saw blench.

- Check the **belt tension** after approximately one operating hour; retension if necessary.
  For this purpose Open the upper side wall. By uniform adjustment of the fastening nuts on the motor, adjust the



  necessary belt tension.After this first initial adjustment, check the belt tension at regular intervals.
- Occasionally, oil the **roller chain** and moving parts (height and angle adjust- ment).
- Ensure that the **bench surface** is always free of resin.
- If the circular saw bench is not connected to an extractor, then it will be necessary to remove the saw dust and wood chips that accumulate in the **protective blade box**. This is important to ensure trouble- free ejection of the saw dust. **Remove the left blade-slot insert.** If suction System is not connected when working, the height and angle adjustment range may be restricted due to chip accumulation.

All protection and safety devices must be replaced after completing repair and maintenance procedures.

- The saw protection box must be clea- red occasionally of wood shavings and saw dust so that shavings do not jam when ejected.
- he height and angular adjustment area may be reduced by shaving deposits. **Remove the left bench inlay and clean the adjustment area.**

Electrical connection

⚠ The installed electric motor is com- pletely wired ready for operation.

Yhe customer's connection to the power supply system, and any extension cables that may be used, must conform with local regulations.

Motor braking unit

The **scheppach** machine is fitted with an automatic motor braking unit which becomes effective as soon as the driving motor is switched off.
The saw blade must stop maximal 10 seconds after switching it off. Poof daily!
If it takes longer, do not use the machine anymore.

Important information

The 230 V / 50 Hz and 400 V / 50 Hz electric motor is designed for the S6 / 40% operating mode.
The motor automatically switches off if it is overloaded. The motor can be switched on again after a cooling- down period (varies timewise).

⚠ Faulty electrical connecting leads

Insulation damage often occurs at elec- trical connecting leads.
Causes include:

- Pressure marks caused when connec- ting leads are run through windows or the cracks of doors.
- Folds caused by the improper attach- ment of running of the connecting leads.
- Cuts resulting from the crossing of the connecting lead.
- Insulation damages caused by the ripping out of the connecting lead from the wall socket.
- Cracks due to the ageing of the insulation.

Faulty electrical connecting leads such as these may not be used and are highly dangerous due to the insu- lation damage.

Check electrical connecting leads regu- larly for damage. Ensure that the connecting lead is not attached to the mains supply when you are checking it.
Electrical connecting leads must corre- spond to the relevant VDE and DIN regu- lations. Only use connecting leads with the code H 07 RN.
The type designation must be printed on the connecting lead by regulation.

Single-phase motor

- The supply voltage must be 230 volt - 50 Hz.
- Extension leads up to 25 m in length must have a cross-section of 1.5 mm2. Extension leads whose length is over 25 m must have a cross-section of at least 2.5 mm2
- The mains connection is fused with a 16 A slow-blow fuse.

Three-phase motor

The 400 V / 50 Hz electric motor is designed for the S6 / 40% operating mode.

- The supply voltage must be 400 volt - 50 Hz.
- The mains connection and the exten- sion lead must have 5 wires = 3 P + N + PE.
- The extension cables must have a minimum cross-section of 1.5 mm2
- The mains connection is maximally fused with a 16 A fuse.
- The phase-sequence must be checked if the mains connection or the location is changed. The polarity must be changed, if necessay (wall socket)

⚠ **Connections or repairs on the electrical equipment may only be carried out by an electrician.**

Please give the following information if you have any enquiries.

- Motor manufacturer
- Kind of current
- Machine type label data

If your are sending back the motor, always send the complete drive unit with the switch.