W850 HMS260

5/2/08

scheppach

hms 2600ci

D	Hobelmaschine
GB	Planing machine
FR	Raboteuse
I	Piallatrice
NL	Schaafmachine
E	Máquina cepilladora
PT	Garlopa de desengrosso
DK	Hyvelmaskin
NO	Tasohöylä
FIN	Høvelmaskin
SE	Hovelmaskine

05-2007

CE

9322 0400

Fig. 2

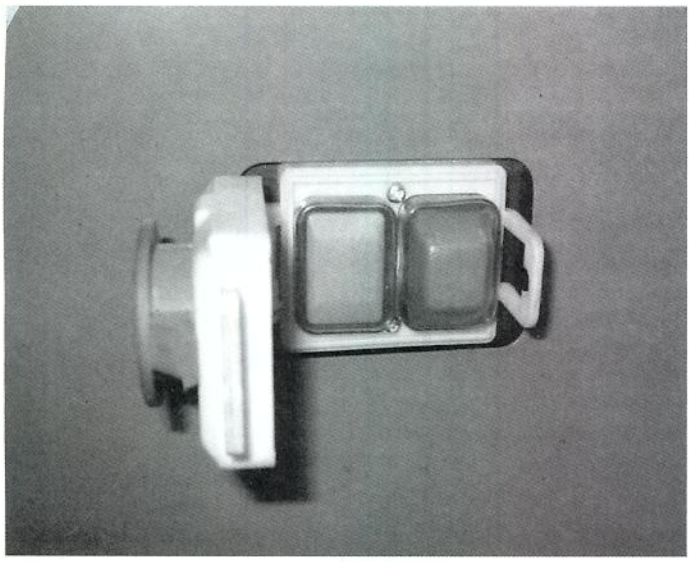


Fig. 3

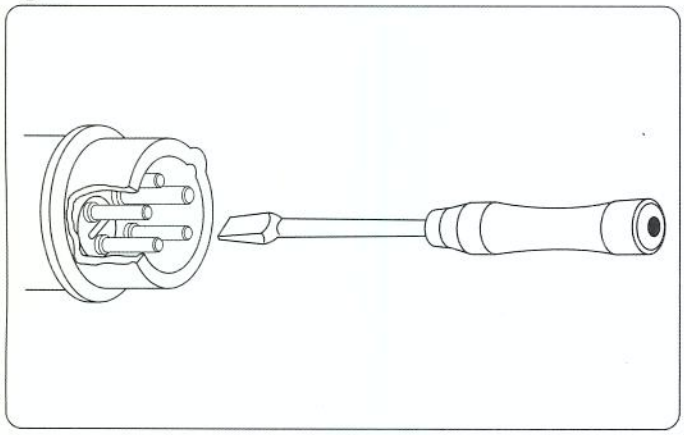


Fig. 4

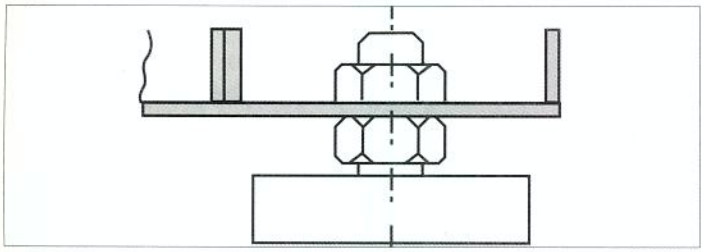


Fig. 5.1

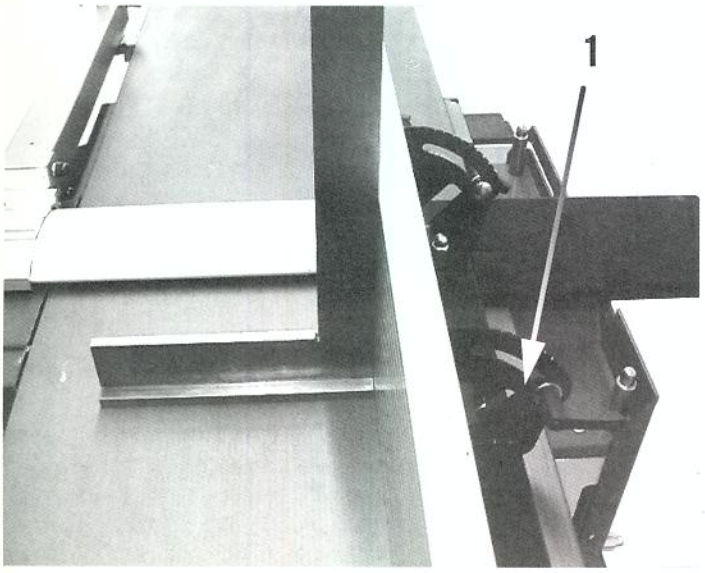


Fig. 5.2

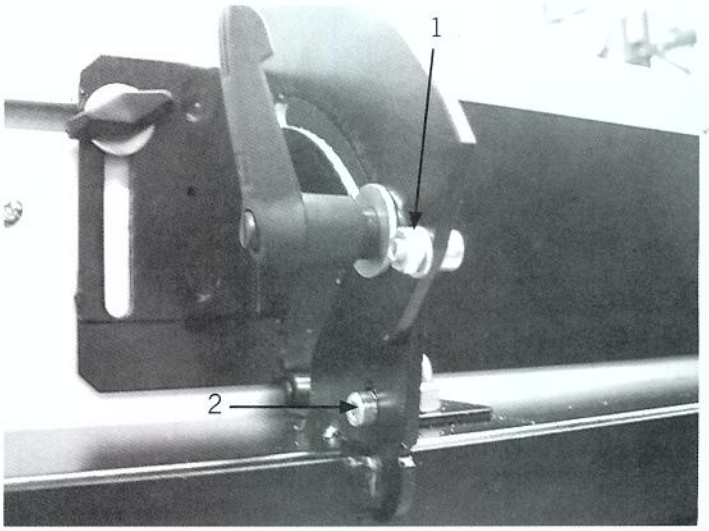


Fig. 5.3

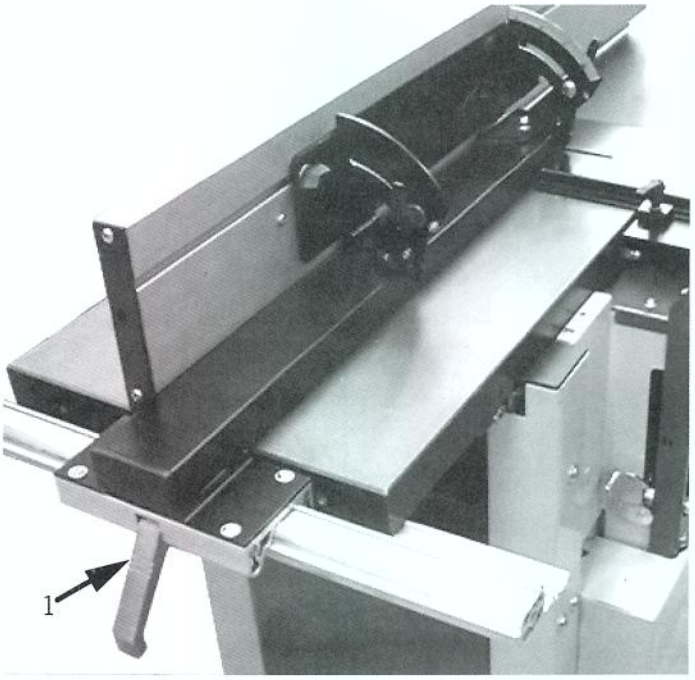


Fig. 5.4

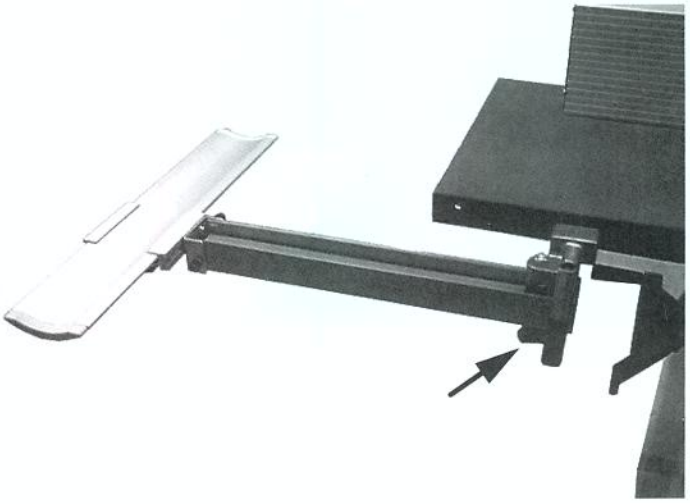


Fig. 6.1

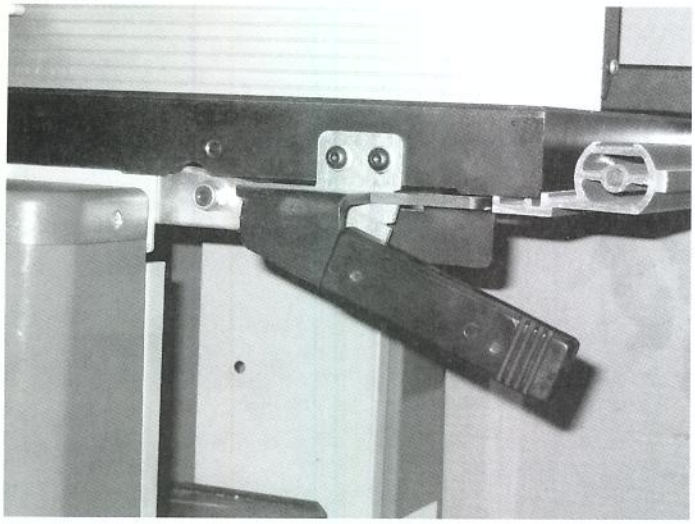


Fig. 6.2

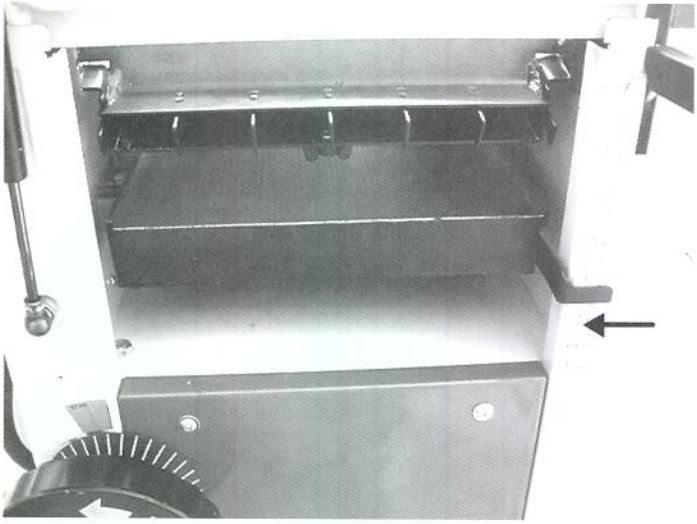


Fig. 7

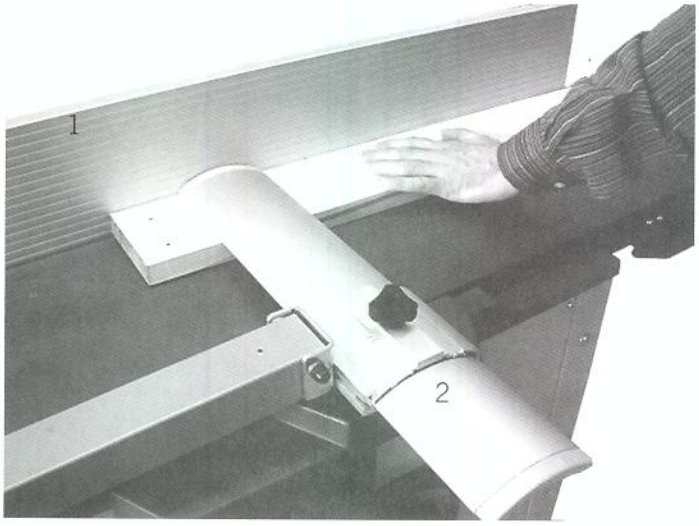


Fig. 8

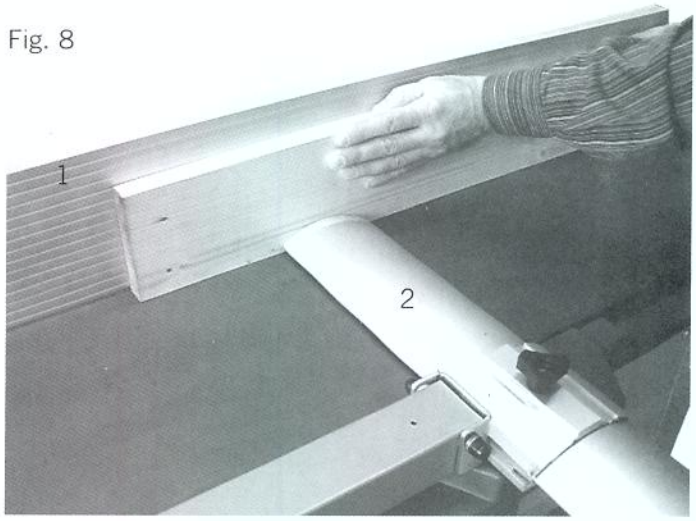


Fig. 9

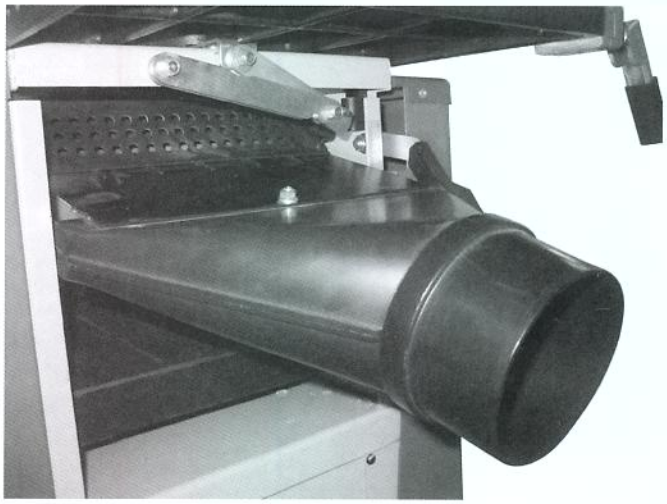


Fig. 10.1

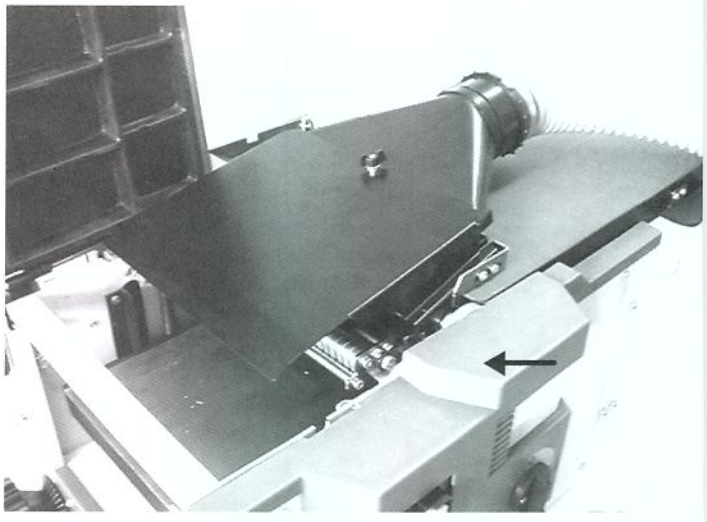


Fig. 10.2

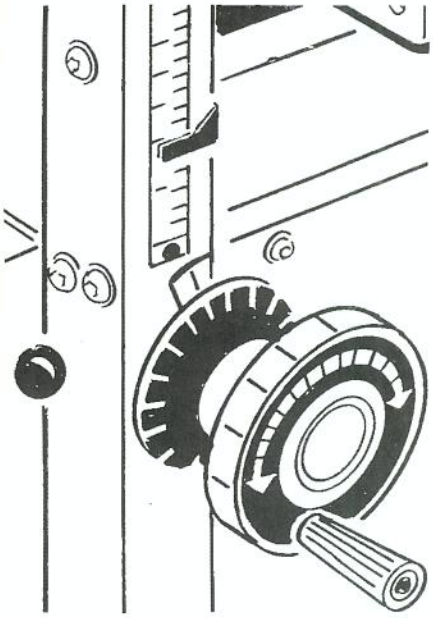


Fig. 11

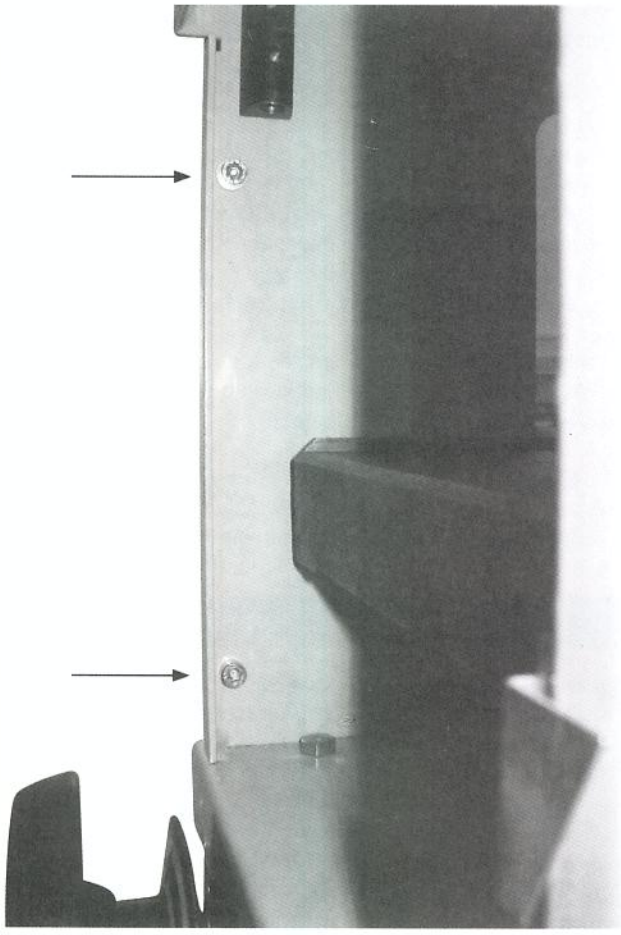


Fig. 11

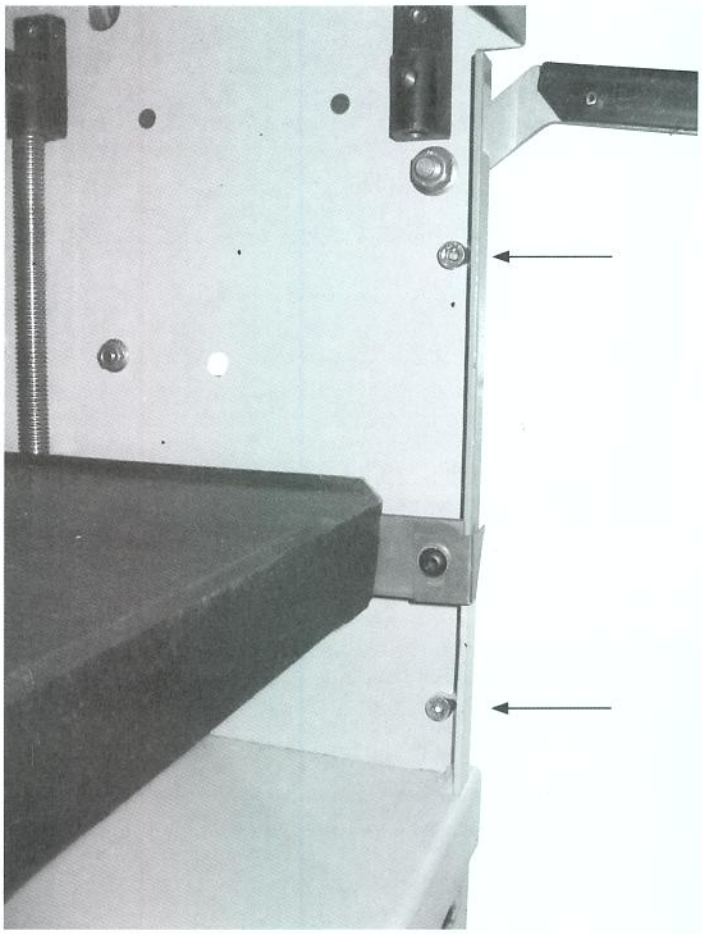


Fig. 13.1

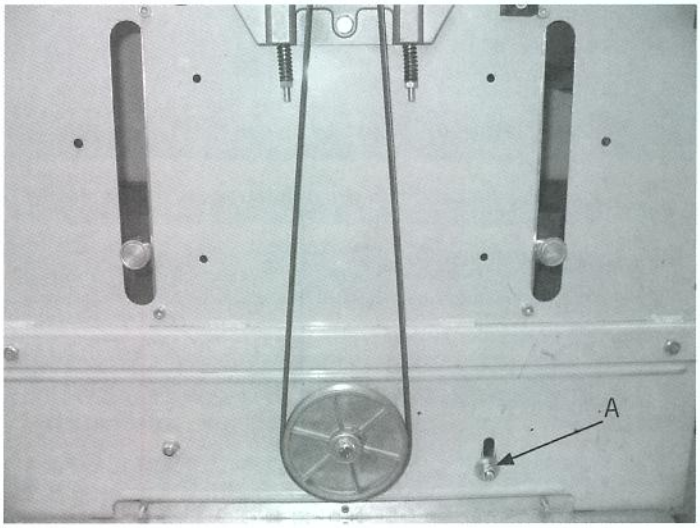


Fig. 13.2

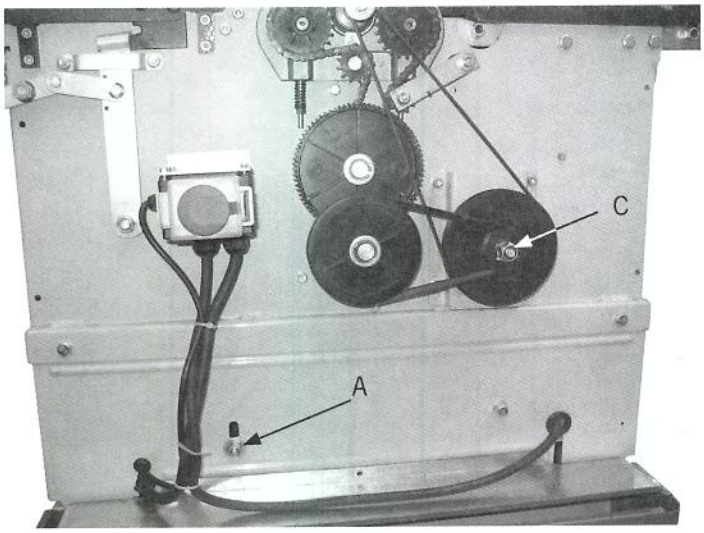


Fig. 13.3

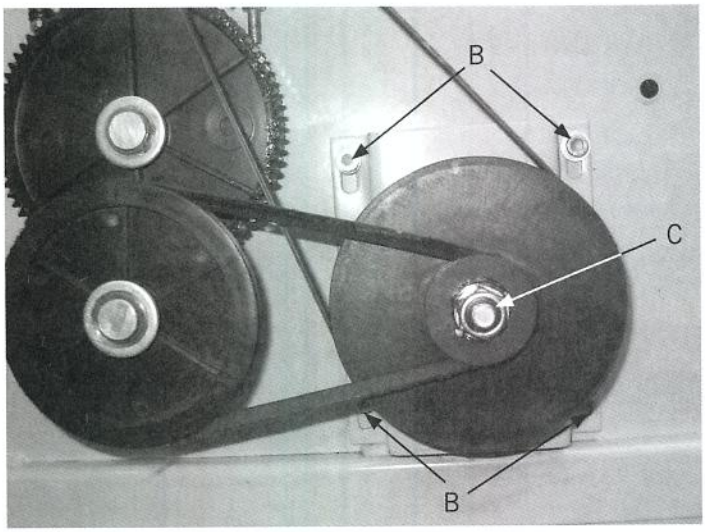


Fig. 14

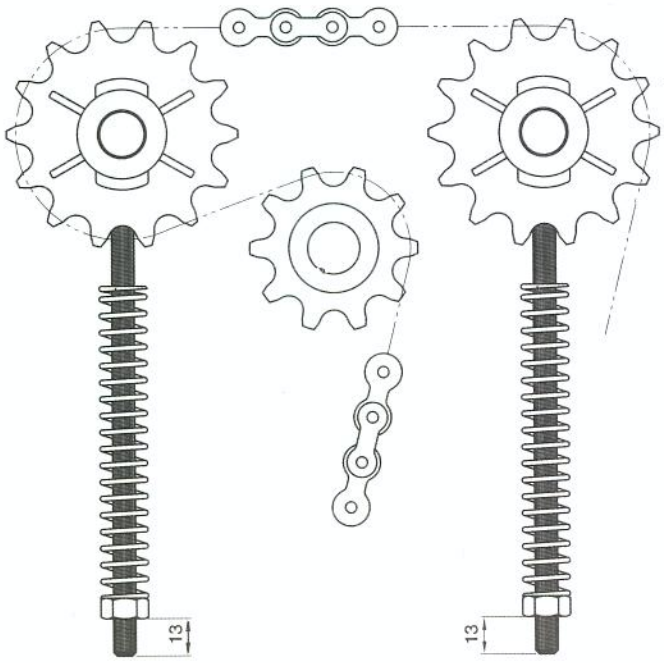


Fig. 15

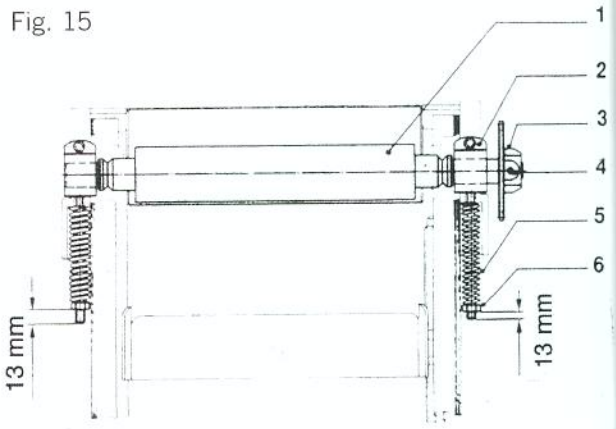


Fig. 16

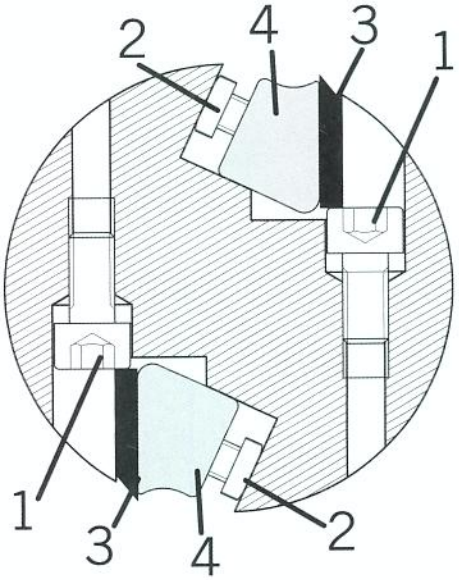
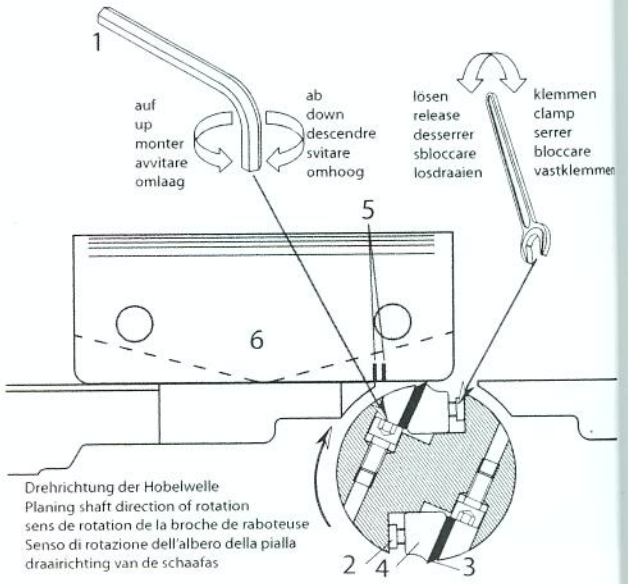


Fig. 17



Manufacturer:

Manufacture of Woodworking Machines GmbH
Günzburger Straße 69
D-89335 Ichenhausen

Valued customer,

We hope that you enjoy your new machine and wish you every success in working with it.

Warning:

The manufacturer of these devices is not liable, under the applicable Product Liability Act, for damages to this device or by this device resulting from:

- improper handling,
- noncompliance with the operating instructions,
- repairs by a third, non-authorized party
- installation and replacement of non-original spare parts,
- utilization, noncompliant with the regulations,
- failure of the electric equipment resulting from violation of the electric specifications and VDE (Association of Electrotechnology) regulations 0100, DIN 57113 / VDE 0113.

We advise you:

Before assembly and implementation, please read the operating instructions in their entirety.

These operating instructions should make it easier for you to get acquainted with your machine and to use it as intended.

The operating instructions contain important indications that will help you work professionally and efficiently with the machine, at the same time avoiding risks, saving on repair costs, decreasing downtime and increasing reliability and lifespan of the machine.

In addition to the safety regulations provided in the operating instructions, you must observe the applicable regulations of your country for the use of this machine.

You should keep the operating instructions near the machine. They are protected from dirt and moisture by a plastic covering. These must be read and followed diligently by any operator, before staring the work. Only those, who have been instructed on the use and informed of all the associated risks, should work on the machine. Minimum age requirements should be observed.

General Considerations

- After unpacking, please check all of the parts for any possible damages in transit. The feeder must be immediately notified of any complaints. Late claims will not be accepted.
- Check that the shipment is complete.
- Before use, familiarize yourself with the operating instructions.
- Please use only original parts as supplies, such as wear and tear and replacement parts. You can obtain replacement parts from your specialized dealer.
- When ordering, please give our item number, as well as the type and the year of manufacture of the device.

hms 2600ci		
Scope of delivery		
	Planing machine hms 2600ci	
	Planer shaft guard	
	Combined extraction outlet	
	Assembly supplies (supply bag)	
	Adjustable planer fence	
	Operating instructions	
Technical Specs		
Dimensions L x W x H mm (dimensions with baseframe in brackets)	1160 x 690 x 720 (1060)	
Table Height mm	540	
Work Table L x W mm	each 500 x 310	
Thicknessing Table L x W mm	590 x 250	
Weight kg	135	
Planer schaft		
Planer shafts ø mm	59	
Knife range ø mm	61	
Material of shaft	C45	
Speed max. 1/min	6500	
Number of blades	2	
Dimension of blades mm	3 x 18 x 260	
Blade reshar size mm	15	
Material of blades mm	HSS Nr. 3343	
Feeder		
No. of feeder cylinders	2	
Surface	gummed	
Feeder cylinders ø mm	35,5	
Length mm	307	
Feeding speed m/min.	5,0	
detachable	no	
Motor		
Motor V/Hz	380–420/50	220–240/50
Receiving capacity P1 W	2400	2340
Delivering capacity P2 W	1800	1750
Speed 1/min	2800	2800
Operation mode	S6/40 %	S6/40 %
Work data		
Planer work width max. mm	260	
Chip work thickness max. mm	3	
Planer thickness width max. mm	250	
Chip thickness max.mm	5	
Aperture thickness min/max. mm	5/210	
Angle	90–45°	
Stopper length mm	900	
Stopper height mm	150	

Subject to technical changes!

Sound characteristics

In accordance with EN 23746 for sound power level, as well as EN 31202 (correction factor k3 calculated according to Appendix A.2 of EN 31204) for the calculation of the sound pressure level at the workstation, the sound emission values add up to a total below the underlying work conditions mentioned in ISO 7904 Appendix A.

Sound power level in dB (Work)

Idle speed L_{WA} = 93.8 dB (A)
Processing L_{WA} = 100.6 dB (A)

Sound pressure level at the workstation in dB

Idle speed L_{pAeq} = 88.0 dB (A)
Processing L_{pAeq} = 93.7 dB (A)

Sound power level in dB (Thickness)

Idle speed L_{WA} = 94.8 dB (A)
Processing L_{WA} = 97.9 dB (A)

Sound pressure level at the workstation in dB

Idle speed L_{pAeq} = 78.3 dB (A)
Processing L_{pAeq} = 84.3 dB (A)

The specified values are emission values and therefore do not have to represent exact work station values at the same time. Although there is a correlation between emission and immission gages, it is not possible to determine reliably, whether additional precautions are necessary or not. Current factors of the work station affect the immission gages, including the characteristics of the work station, other sound sources, for example number of machines other adjacent operations. The permissible work values can vary from country to country. However, the operator should capacitate the information, in order to make an estimate of the hazard and risk.

Information on dust emission

In accordance with the policy of the Technical Committee for Wood on dust emission checkup (concentration parameter) of woodworking machines, dust emission values appropriate for wood are below 2 mg/m³. As a result, after connecting the machine to an operational dust extraction outlet, with air speed of at least 20 m/s in adherence to the lasting and reliable TRK-marginal values for wood dust, effective in the Federal Republic of Germany, it can be more.

In these operating instructions we've marked the sections that pertain to your safety with this sign: ⚠

⚠ General safety instructions

Training of the operator

- Pass on the safety warnings to all people who will work on the machine.
- The operator must be at least 18 years old. Apprentices must be at least 16 years old and can only work on the machine under supervision.
- Persons operating the machine should not be distracted.
- Keep children away from machines connected to the power system.
- Wear well-fitting clothes. Take off all jewelry, rings and wristwatches.
- Follow all safety and danger warnings on the machine and keep them in legible condition.
- Caution while working: risk of injury to fingers and hands by the rotating cutting tool.

Stability assurance

- During assembly, please make sure that the planing machine stands firmly on solid ground.

⚠ Utilization in accordance with the regulations

- The planing machine is constructed exclusively from offered tools and supplies for wood processing.
- The machine complies with the valid EG machine guidelines.
- The machine is designed for one shift of work, power-on time S 6 – 40%.
- Follow all safety and danger warnings on the machine.
- Keep all safety and danger warnings on the machine complete and legible.
- When using in an enclosed space, the machine must be attached to an extraction unit.
- To extract the wood shavings or sawdust, the machine must be attached to an extraction unit. The velocity of flow of the connection piece of the extraction unit must be 20 m/s. Negative pressure 1200 Pa.
- The automatic switch-on is available as optional equipment.
  Type ALV 2 **Item Nr. 79104010** 230 V /50 Hz
  Type ALV 10 **Item Nr. 79104020** 400 V /230 V /50 Hz
- When switching on, the machine runs the extraction automatically after 2-3 seconds delay time. Thus, an overload of the safety fuse will be prevented.
- After switching off, the machine runs the extraction for 3-4 more seconds and then shuts off automatically.
- The left over dust will be sucked out, as required by the Ordinance on Hazardous Substances. This saves electricity and reduces noise. The extraction unit runs only during the use of the machine.
- When operating in a commercial area, a deduster must be employed during extraction.
  Do not disconnect or remove the extraction unit or the deduster while the machine is running.
- Use the machine only when it is in technically sound conditions, as well as in compliance with the law, with awareness of safety and danger according with the operating instructions! Eliminate immediately all unnecessary distraction that could compromise safety!
- The safety, operation and maintenance instructions of the manufacturer, as well as the dimensions given in the technical specs, must be observed.
- The applicable accident prevention regulations and other technical safety rules of general knowledge must be observed.
- The machine must be used, maintained or repaired only by a competent person who can be trusted and is informed of the dangers. The manufacturer will not be responsible for damages resulting from arbitrary alterations to the machine.
- The machine should only be used with the original tools and supplies from the manufacturer.
- All use beyond the instructions counts as noncompliance with the regulations. The manufacturer does not carry any responsibility for damages resulting from such use, the operator will bear all risks on his own.

Assembly

Part of scope of delivery:

1 Hook wrench	52/55
1 Hex head wrench	SW 3
1 Hex head wrench	SW 5
1 Hex head wrench	SW 10

Not part of scope of delivery:

1 Flat wrench	SW 13

Due to technical reasons, your packed planing machine is not fully assembled.

The planing machine shouldn't be lifted onto the work table!

Setup and adjustment, Fig. 4
The machine stands on 4 adjustable rubber cushions.
Balance the unevenness of the floor. Loosen the lower hexagon nut using the key and turn the rubber cushions correspondingly in and out.
Tighten the hexagon nut again. (secure the hexagon nut)
Attention!
Be sure to align the machine by using a level.

If the rubber cushions are displaced, the machine can be bolted into the boreholes in the floor.
For utilization with a base frame, dismantle the rubber cushions and screw on the frame.

Planer fence, Fig. 5.1
Attach the planer fence to the machine.
Set the position to 90° with the help of a stop angle.
Tighten the release handle (1)
The planer fence is continuously variably pivoting from 90° – 45°, where the pivoting segment must be loosened.
Check each model item with a protractor for dimension accuracy after every angle adjustment.

Planer fence setup, Fig. 5.2
Check the 90°/45° angle and set the cylinder head screws M4x8.
1 = Set screw 90° angle
2 = Set screw 45° angle
Attention!
The planer fence must always remain firmly fixed.

Fig. 5.3
The clamping of the planer fence results from the exocentric lever. (1)
The planer fence is 260 mm adjustable over the planer.
Attention!
The planer fence must always remain firmly fixed.

Planer shaft guard, Fig. 5.4
Screw on the planer shaft guard onto a hinged work table.
The planer shaft guard can be deviated without a tool by pulling the exocentric lever upwards,
swaying the shaft guard, pulling the exocentric lever back down.

Fig. 7 + 8
Attention: Never work with planer fences without the shaft guard.

⚠ Operating Instructions

Preparing and setting up the machine
- Changes, setup, measuring and cleaning work on the machine should only be done with the motor turned off. Disconnect the power plug and wait for the shutdown of the rotating tools.
- After repairs and servicing, all protective and safety equipment must be immediately assembled.
- Immediately exchange defective planer knives (rifts or such). Monitor the knife change!
- Check the effectiveness of the anti-kickback attachment before each operation. The gripper taper must have a sharp edge.
- After repairs and servicing, all protective and safety warnings must be immediately mounted onto the machine.

Thickness and work
- Maximal planer shaft speed 6500 1/min
- The planer shaft has been manufactured in accordance with DIN EN 847-1.
- Begin the working operation only when the full speed is reached.
- Keep the operator station free of shavings and wood waste.
- Employ the extraction unit for extraction of shavings and wood dust. The velocity of flow of the extraction support must amount to min. 20 m/s.
- Work only with sharpened planer knives. Dull planer knives increase the risk of relapse.
- When processing long work pieces (longer than the feeding table) roll racks (optional equipment) should be employed.
- Work: When dressing a work piece up to 75 mm thick, the planer shaft guard must cover the work piece and the planer shaft from above. If the work piece width is more than 75 mm, set the protective rails of the shaft guard to the width of the work piece. Make sure to put closed hands, with the thumb adjacent on the work piece.
- Joining: The work piece is set against the work stopper. Set the rails of the shaft guard to the width of the work piece and leave on the table.
- Dressing and joining of small cross sections (strips): When dressing the work piece, same as for work pieces up to 75 mm thick, it should be fed with spread out hands. When joining, push the work piece with both hands, with the fists closed, against the help stopper (optional equipment) and feed it through. The guard device is positioned near by and rests on the work piece.
- Dressing and joining of small work pieces: When dressing, push the work piece with spread out hands to the work table and feed through with the pusher, using the right hand. The left hand slides over the guard device, as long as the work piece is on the table the weight of the left hand will shift onto the receiving table. When joining, push the work piece with the left hand, with the fist closed, against the help stopper and the table, then feed through with the pusher.
- Chamfering or beveling: The work piece should be leaned against the work stopper. Set the protective rails of the shaft guard to the the width of the work piece and leave the piece on the table. Push the work piece with the left hand, with the fist closed, against the stopper and the receiving table and feed it through with the right hand closed.

Beginning

Before starting, observe the safety warnings. All guard and help devices must be installed.
Changes, setup, measuring and cleaning work on the machine should only be done with the motor turned off.
Disconnect the power plug!

Planer work – Chip removal, Fig. 6.1
The planer work chip removal is adjustable with the joint lever 1 stepwise from 0 – 3 mm.
During work, the thicknessing table must be adjusted between 90 und 210 mm. Attention, otherwise the extraction outlet will be clamped! Fig. 6.2
For longer work pieces (longer than the feeding or the receiving table) a roll rack (optional equipment) or similar should be used.

Planer work – Planer shaft guard, Fig. 7
When dressing up to 75mm work piece strength, the planer shaft guard must cover the work piece and the planer shaft from above. If the work piece width is more than 75 mm, set the protective rails of the shaft guard to the width of the work piece. Make sure to put closed hands, with the thumb adjacent on the work piece.
1 Work stopper
2 Planer shaft guard

Joining, Fig. 8
Use the work stopper for this purpose, leave the planer shaft protector on the table and set the protective rails to the width of the work piece.
Push the work piece against the planer stopper and then lead it over the planer shaft with both hands. As long as the board reaches high enough on the receiving table, put the left hand on it and shift it without interruption over the blade shaft.

Planer work – Shavings emission, Fig. 9
While work, the work table must be locked.
The extraction tube should be connected to the extraction hood.
When connected to the extraction unit can then be extracted.
Extraction connection caliber 100mm

Planer thicknessing – Machine adjustment, Fig. 10.1
Set the work table high and open it.
Adjust the height to the highest possible.
Set a high pivot and heighten (bolt).
Attach the extraction connections and tighten the knurled screw.
When connected to the extraction unit can then be extracted.

Planer thicknessing – Table adjustment, Fig. 10.2
The height of the thicknessing table is adjustable by a hand wheel.
The integrated position gauge indicates aperture height from 5 to 210 mm.
One rotation of the hand wheel corresponds to 2 mm
Keep the thicknessing table and the work table free of resin. Shaving thicknes max. 3 mm.
The graduation lines on the graduated collar make a fine adjustment possible, whereby 1 graduation line corresponds to 0, 05 mm.

V-belt tension motor, Fig. 11, 12, 12.1 + 12.2
Warning!
- Re-tighten the flat belt and v-belt after the first 3 hours of operation. Then check the belt tension and regularly re-tighten, if necessary, after 40 operating hours.
- Remove 4 hexagon sockets on both inner sides of the encasing, Fig. 11.
- Remove both side walls.
- Losen clamping nut A on both sides (Fig. 13.1 + 13.2).
- Push the motor seesaw down.
- Tighten clamping nut A on both sides.
- Attach the side walls.

V-belt feeder cylinders, Fig. 11, 12 + 13.3
- Remove 4 hexagon sockets on both inner sides of the encasing, Fig. 11 + 12.
- Take off the sides.
- Losen 4 hexagon nuts B, Fig. 13.3.
- Adjust belt tension.
- Tighten 4 hexagon nuts B.
- Loosen the "C" screw, tighten the v-belt, then re-tighten the "C" screw
- Attach the side walls.

Feeder cylinders adjustment, Fig. 14
To guarantee an efficient feeder the pressure springs must be set to the adjacent dimensions.

Changing of the feeder- feeder cylinder, Fig. 15
The coating of feeder cylinders is from abrasion-resistant rubber.
After long-term great operational demand they can suffer from abrasion, which will lead to a change of feeder-feeder cylinder.
1 Feeder cylinder
2 Support clip
3 Chain wheel
4 Spiral pivot
5 Pressure springs
6 Hexagon nut

Perform the change as follows
- Remove 4 hexagon sockets on both inner sides, Fig. 11 + 12.
- Take off the sides.
- Take off feeder chain.
- Remove feeder cylinder (1) with a hexagon nut (6).
- Transfer the chain wheels to the new feeder cylinder.
- Install the new feeder cylinders.
- At the end, put the machine together again.

Work table safety
To prevent accidental closure of the work table, it is equipped with a hinge shear.
When closing the table no special safety precautions need to be taken.

Work table, Fig. 6.1
The planer work chip removal is adjustable with the joint lever 1 in 0 – 3 mm steps.

The work table can get displaced during the time of use and an accurate to dimensions shavings removal is no longer possible. In this case, the hexagon screws need retightening, so that the work table could perform the accurate shavings removal on its own.

⚠ Residual Risks

The machine is built according to the technical standard and the recognized technical safety regulations. However, certain residual risks can occur while operating.

- Risk of injury for fingers and hands by the rotating planer shaft during improper manipulation of the work piece.
- Injuries by a slipped work piece during improper handling or manipulation, such as working without the stopper.
- Health hazard from dust or wood shavings.
- Always wear personal protective equipment, such as eye protection and dust mask. Use the extraction outlet!
- Health hazard from noise. While operating, the noise level will exceed the acceptable. Always wear personal protective equipment, such as ear plugs.
- Hazard from electricity in case of usage of a defective electrical power line.
- Process only selected woods without faults as: knots, cross rifts, surface cracks. Bad wood will lead to risks while operating.
- In addition, obvious residual risks exist despite all precautions taken.
- Residual risks can be minimized by observing the safety warnings and using the machine in compliance with the regulations, as well as following the operating instructions.

⚠ Electrical Connection

- Check power line. Do not use any defective lines. See Electrical Connection.
- Observe the motor and the tool rotation direction. See Electrical Connection Planing Machine
- Installations, repairs and servicing of the electric installation must only be done by an expert professional.
- Disconnect the machine to avoid breakdowns. Disconnect the power plug.
- Turn off the motor when leaving the machine. Disconnect the power plug.
- Disconnect from all power sources even for an insignificant relocation of the machine! Before starting the machine again, connect it properly to the power source!

Connect the machine to the power source with a CEE-plug, use 16 A to secure the cable.
Press the green button on the operating switch, the planer shaft is running (Fig. 2).
Press the red button to turn off, the planer shaft will slow down within 10 seconds.
Changes in rotation direction
The rotation direction must be checked when connecting to the power or after moving the machine, if necessary the polarity must be changed using a screwdriver (machine socket, Fig. 3).

The installed electrical motor is connected and ready for use. The connection meet the corresponding VDE- and DIN-regulations. The power connection on the part of the client, as well as the extension cables used, must meet EVU-(Electricity Board) regulations.

Operation mode/ Power-on time
The electrical motor is sized for S 6/40 % use.
S6 = continuous operation with load burden
40% = based on 10 min. 4min. loading; 6min. open-circuit operation

The motor shuts down on its own when overloaded, while a winding thermostat is embedded in the motor. After cooling (time can vary) the motor can be switched on again.

Defective electrical power lines
Often there are isolation defects in electrical power lines.
Possible causes:

- Dents, when the power line was installed through a window or doorway.
- Cracks resulting from an improper mound or installation of the power line.
- Cuts from passing around the power line.
- Isolation defects due to pulling out the wall socket.
- Rifts because of changes in isolation. Such defective electrical power lines must not be used and are, due to isolation defects **life-threatening!**

Check the electrical power line regularly for defects. Make sure that the power line is not connected to the power supply system during checkup. The power lines must meet the VDE- and DIN-regulations, as well as the local EVE-regulations. Use only the power lines with the mark H 07 RN. An identification on the cable of the type of line is mandatory.
Extension cables must be up to 25 m per each 1,5 squared millimeter section, over 25 m long for a section of at least 2,5 squared millimeters.
The power connection must be supported by a 16 A fuse.

Rotary motor
Line voltage must be 380÷420 V 50 Hz.
Power connection and extension cabling must be up to 5 cores (5adrig) =3 P + N + SL.
Extension cables must cover a section of at least 1,5 mm².
The power connection should optimally be secured by 16 A.
The rotation direction must be checked after connection to the power or moving the machine, if necessary, the polarity must be changed.

Connection and repairs of the electrical equipment should only be done by an electrician.
For inquiries, please have the following information:

- Motor manufacturer; motor type
- Electrical type of the motor
- The machine/type plate information
- Electrical control system information

When sending back the machine, please include the complete propulsion unit with the electrical control system.

⚠ Maintenance

Conduct maintenance, repair and cleaning, as well as malfunction check, only with the unit shut off. Use the on-off switch to shut down the machine and then disconnect from the oulet!

All guard and safety instructions must be immediately mounted after repair and servicing work.
The work table, as well as the thicknessing table must be kept free of resin. You can get Pharmol-HEK resin remover concentrate type Nr. 6100 9700 from your specialist dealer.
Use long-term lubrication for the storage of the planer shaft and the tool spindle. In new conditions, warming is

part of the design but it goes away after some time.
Clean the feeder cylinders regularly.
Oil the bearing and shaft with hinges of the sliding bearing of the feeder cylinders and the adjustment spindle of the thicknessing table after the first 5 hours of operation. After that, oil every 20 hours of operation.
Check the chain tension. If needed, tighten and oil it. When tightening the thicknessing table chain, pay attention to the prallelism of the thicknessing table.

Planer blades
The planer blades at work are beveled and setup correctly, ready for use.
Only well-sharpened and exactly set planer blades can guarantee safe operation.
We recommend:
Always keep a spare beveled planer blade ready, in need of replacement.
You can find a spare planer blade from your specialist Type Nr. 6200 4134.

Feed unit Fig. 13.2 – Warning!
The plastic cogwheels, chain wheels and chains and bolts must be greased every 40 operating hours.

Beveling planer blades
Dull planer blades raise the risk of accidents, the work efficiency is no longer guaranteed.
Bevel the blade only up to 15 mm knife height. The blade cutting angle should avarage 40 ± 2 degrees.
For regrinding, bring the blade to an authorised grinding workshop, or ship it back to the manufacturer.

Installing planer blades Fig. 16
1 Adjusting screw
2 Pressure screw
3 Planer blades
4 V-ledge
5 Markings
6 Adjust gauge
Make sure during installation that
- the risk of injury for fingers and hands is mounted.
- the clamping surface in the cutter spindle and the V-ledge are clean.
- the beveled planer blades are deoiled.
- only blades that have been beveled in a pair are installed.
- the installation of the planer blades and the V-ledge correspond to the illustration
- close the planer blades and the V-ledge on both sides.
- all of the clamping screws are tightened (8,9 N/m).

Warning!
The details of blade fastening, blade protection length, blade thickness, should be kept for a minimum during warm up spin and optimally for the starting of the blade attachment screw.

Planer blade adjustment, Fig. 17
- To adjust, apply the provided adjustment gauges.
- First, adjust one blade, then the other.
- Shift the blade on the adjusting screw, alternating sides, till the cutting edge that lies over the work table touches the adjustment gauges.
- The right marking must align, corresponding to the illustration, with the edge of the table panel.
- During spinning the planer blade must be in sync with the adjustment gauges as much as possible, optimally to the second marking.
- Left and right adjustment should be done following the exterior of the blades.
- Tighten the pressure screws of the V-ledge with a flat wrench SW 8. (8,9 N/m)
- Adjust and clamp the second blade in the same way.
- Perform a test run after each blade change and then retighten the pressure screws. (8,9 N/m)

The planer blade must be tested before use to make sure that the above mentioned instructions have been followed.
Please be attentive of all the safety warnings before turning the machine on.

Declaration of compliance with EG-guidelines

Hereby we, the Scheppach Manufacture of Woodworking Machines GmbH, Günzburger Str. 69, D-89335 Ichenhausen, declare that the subsequent qualified machine by way of its construction and design as well as commercial use meets the corresponding regulations of the EG-guidelines stated below. In case of a modification of the machine this declaration is no longer valid.

Name of the machine:
Planing machine

Type of machine
hms 2600ci

Corresponding EG-guidelines:
EG-machine guideline 98/37EG, last amended by guideline 98/79 EG, EG-low voltage guideline 72/23/EWG, last amended by guideline 93/68/EWG, EG-EMV guideline 89/336/EWG, last amended by guideline 93/68/EWG.

Applied harmonized European standards:
EN 55014, EN 55104, EN 60555-2, EN 60204-1, EN 861, EN 847-1, EN 292-2

Notified body:
Technical Committee on Wood, 70504 Stuttgart; Checking and certifying body BG-Approval certificate

Enabled to:
EG-Baumusterprüfung, Zertifikatsnummer 041051
GS-Prüfung, Zertifikatsnummer 041052
BS-staubgeprüft, Zertifikatsnummer 041053

Place, Date:
Ichenhausen, 26. 09. 2005

W. Windrich

Signature:
i.V. Wolfgang Windrich

Trouble shooting

To repair faults, switch off the machine. Pull power plug.

Problem	Possible Cause	Relief
Irregular and discontinuous transport at the thickness planing	Thickness desk not free of resin or not free of oil.	Clean and spray (sliding spray) the thickness desk regularly. This is valid especially for wet and resinous woods
Workpiece shoulder at the planing	This is due to badly adjusted planer knives.	The adjustment of the planer knives has to be carried out with a lot of care with help of the adjustment gauge.
Workpiece inaccuracy at the planing (concave, convex)	At not exactly parallel standing trimming desks due to improper transport or similar.	Adjust the stiff trimming desk 1 mm above the planing shaft body, as well as parallel to the bottom plate.
Electrotechnical maintenance only by electric specialists!		
At waste disposal of the machine all the local legal regulations have to be kept.		

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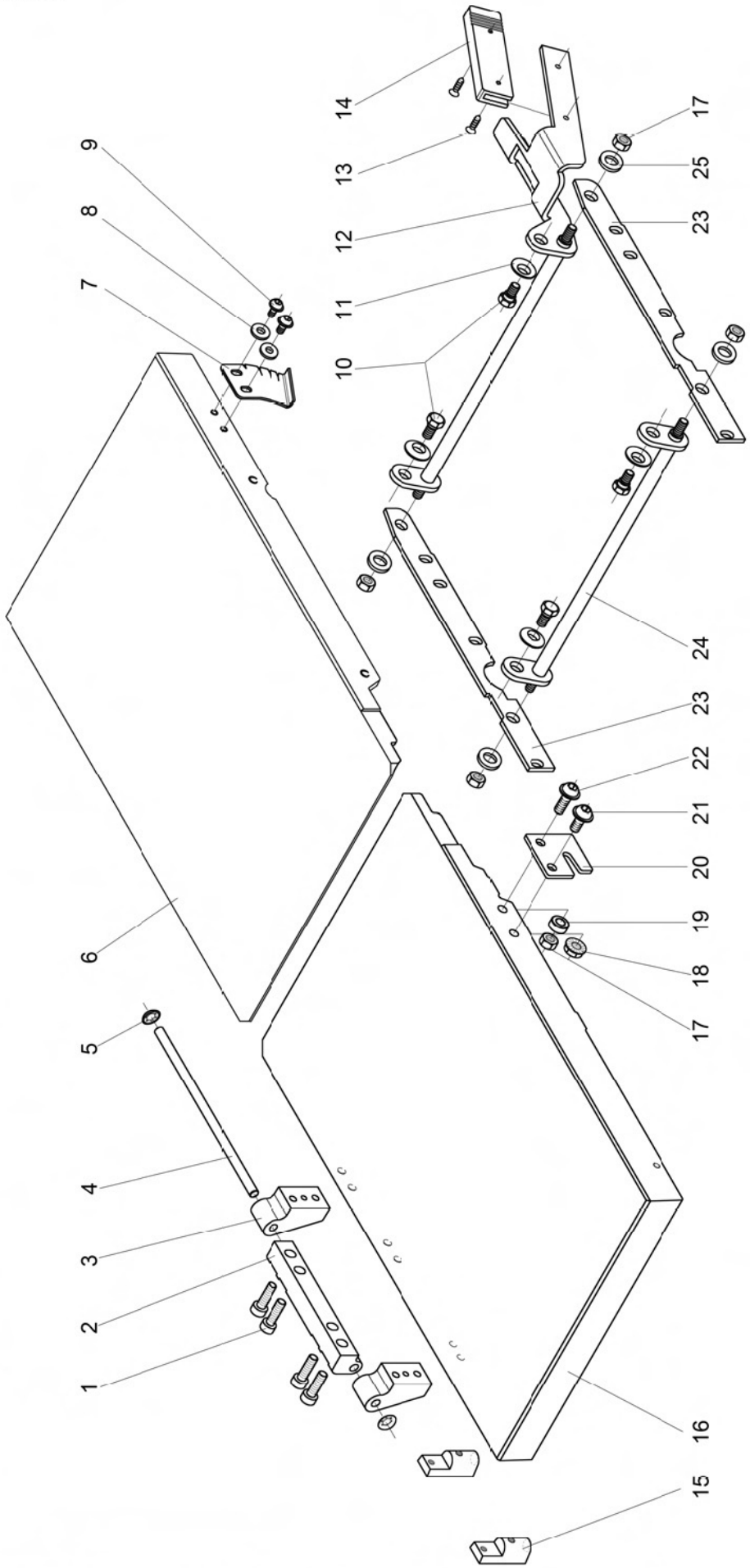
! graphic representation not binding !



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4 =	6230 0014	11 =	0120 9306	18 =	0500 7101	25 =	0201 2506
5 =	0500 3461	12 =	6230 0084	19 =	6230 4018		
6 =	6230 0006	13 =	0209 6443	20 =	6230 0221		
7 =	6230 0081	14 =	6240 5207	21 =	0500 5405		

Scheppach Fabrikation von Holzbearbeitungsmaschinen GmbH - D-89335 Ichenhausen - Telefon 08223/4002 0 - Telefax 08223/4002 20
e-mail: info@scheppach.com - Internet: www.scheppach.com - www.ixes.de

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1 =	7137 0031	13 =	0201 2506
2 =	307 6001 0004	14 =	0209 8505
3 =	0209 3346	15 =	0267 9809
4 =	0500 7102	16 =	0209 8505
5 =	0209 3365	17 =	7137 0032 (230V)
6 =	0290 2108	17 =	7137 0033 (400V)
7 =	307 4602 2002	18 =	307 2007 2003
8 =	7137 0001 (230V)	19 =	7137 0034 (230V)
8 =	7137 0002 (400V)	19 =	7137 0035 (400V)
9 =	0209 3366	20 =	307 4610 0011
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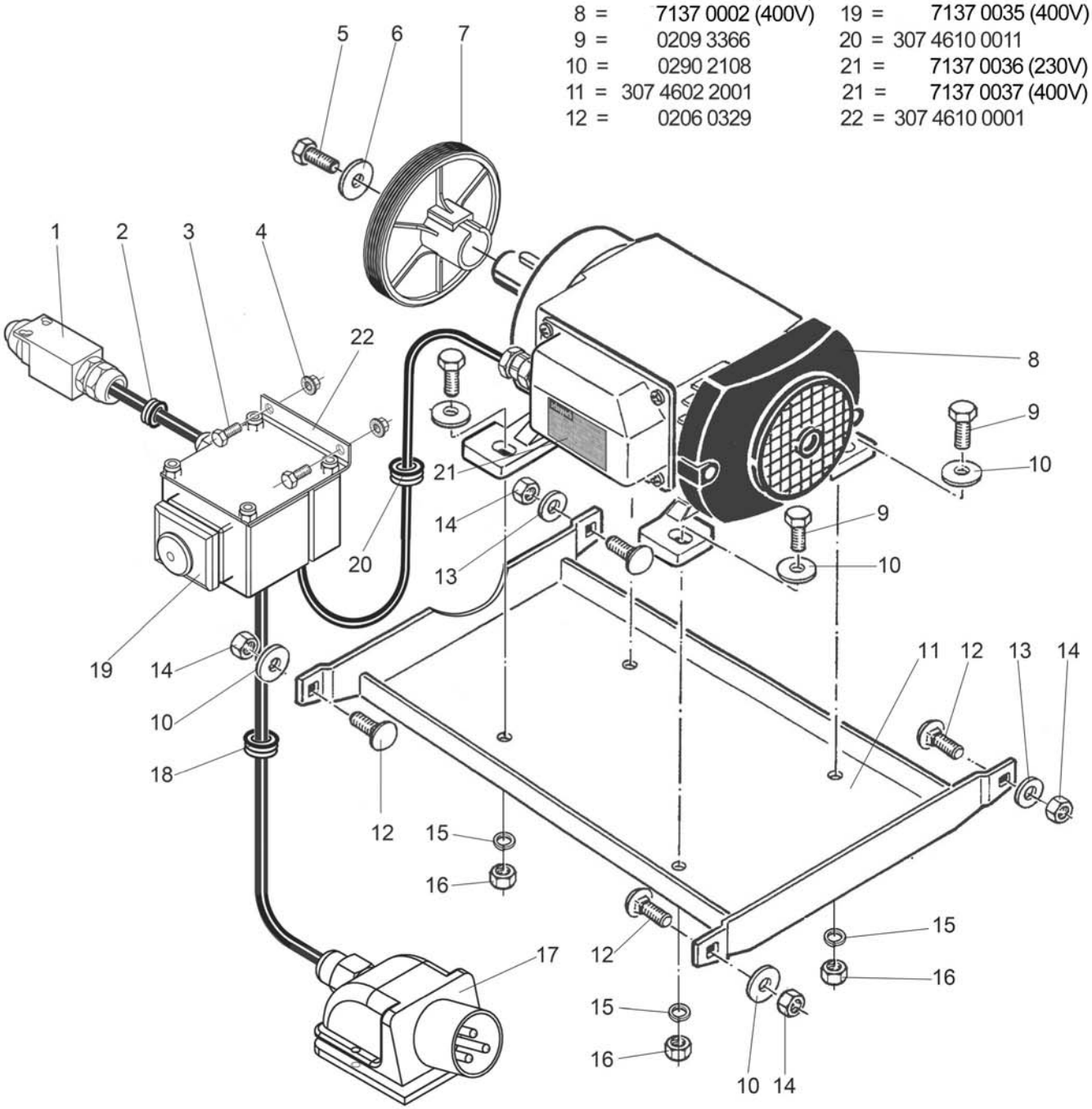

1 - 2 / 17 - 20 = 71370010 (230 V)
1 - 2 / 17 - 20 = 71370011 (400 V)
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1-2 / 8 / 17-20 = 71370013 (400 V)

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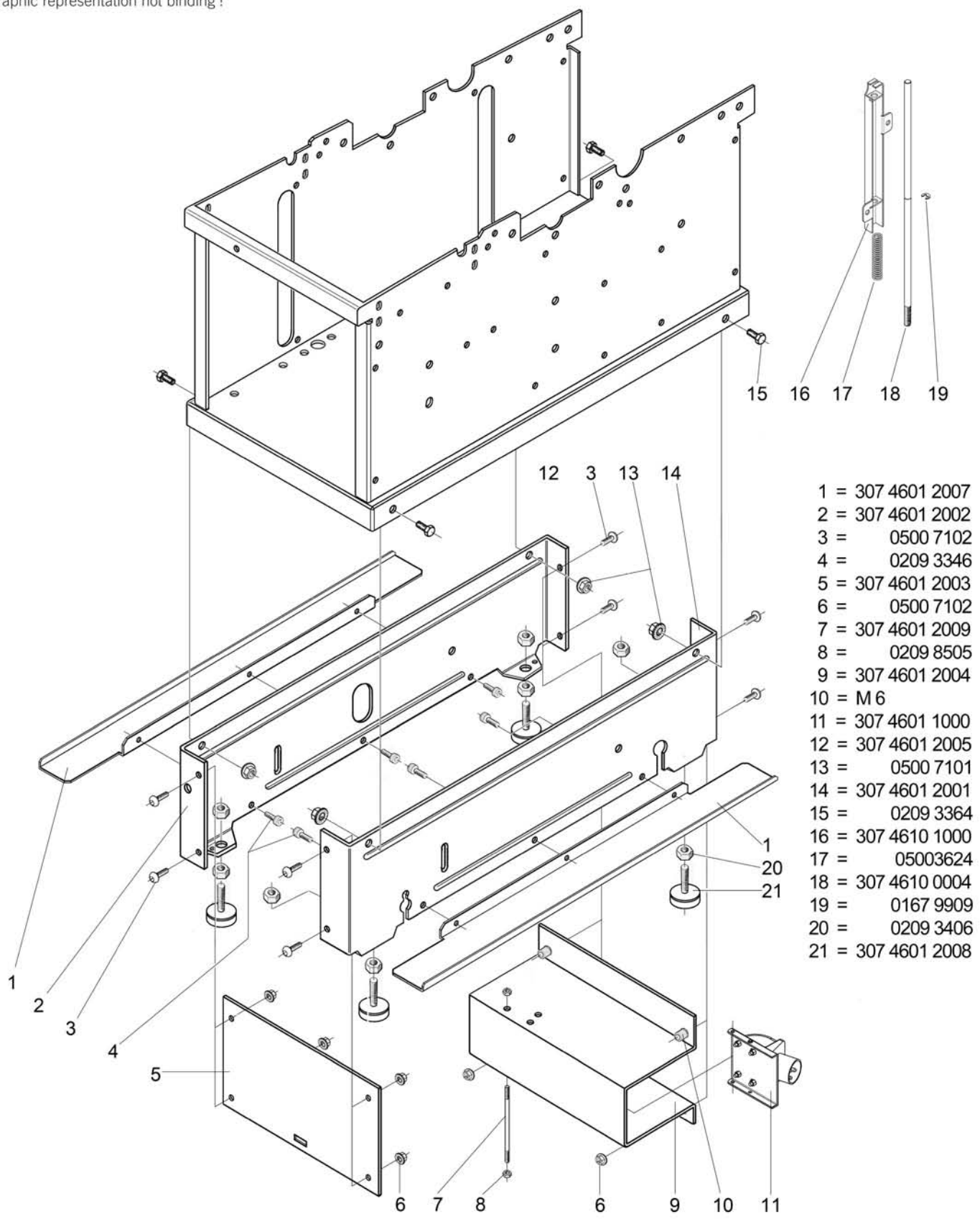

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11 = 307 4601 1000
12 = 307 4601 2005
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16 = 307 4610 1000
17 = 05003624
18 = 307 4610 0004
19 = 0167 9909
20 = 0209 3406
21 = 307 4601 2008

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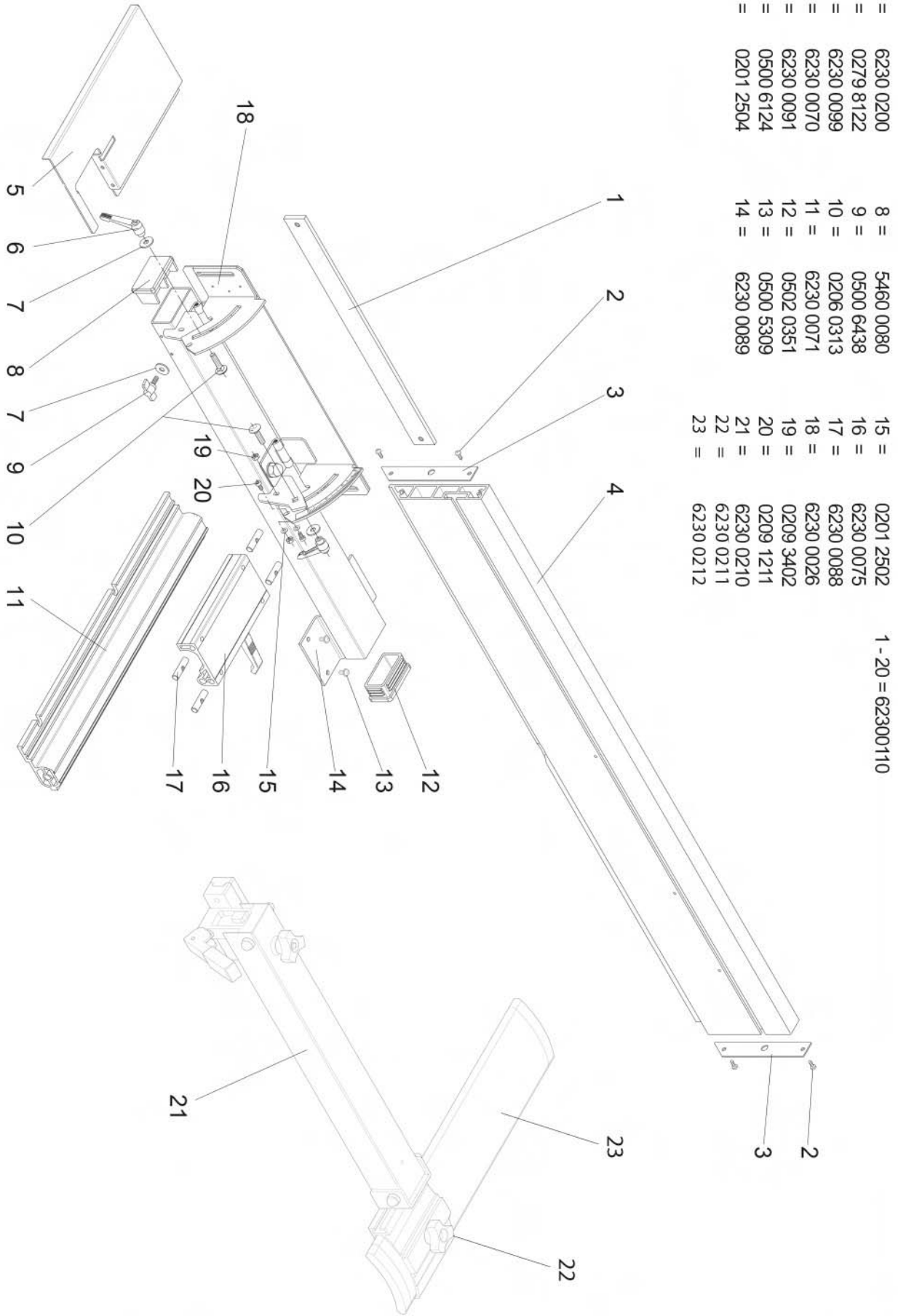

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5 =	6230 0091	12 =	0502 0351	19 =	0209 3402
6 =	0500 6124	13 =	0500 5309	20 =	0209 1211
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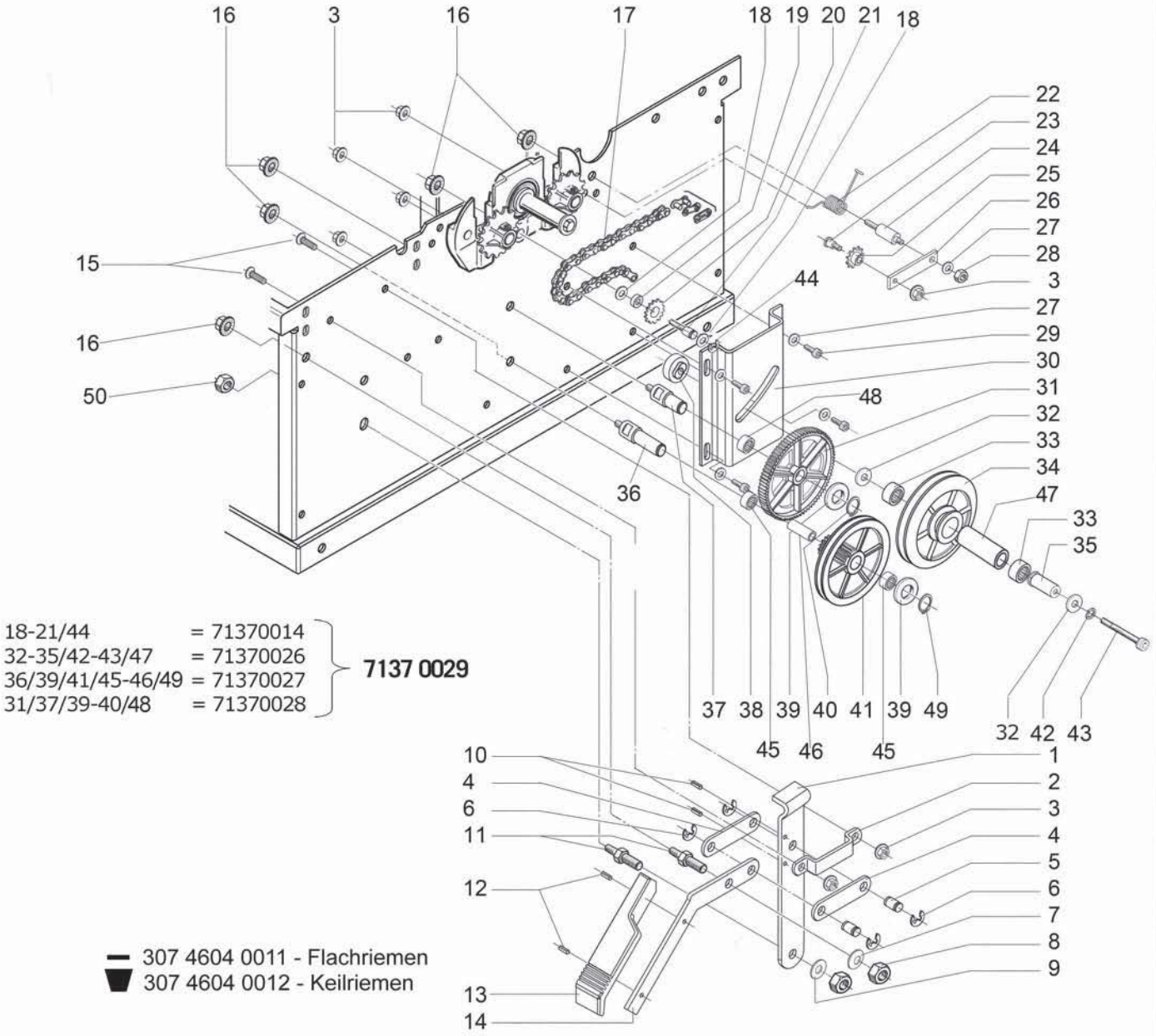

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3=	0500 7102	19=	**7137 0030**	35=	**307 4604 0023**		
4=	6230 4016	20=	**7137 0014**	36=	307 4604 3003	Alu: 7137 0039	
5=	6230 4015	21=	307 4604 0017	37=	307 4604 3004		
6=	0120 9306	22=	307 4604 1003	38=	307 4604 0016		
7=	0167 9931	23=	307 4004 0003	39=	0214 4009		
8=	0500 1204	24=	307 4604 1001	40=	**0104 7112**		
9=	0120 9302	25=	307 4004 0002	41=	307 4604 3002	Alu: 7137 0025	
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11=	6230 4013	27=	0201 2504	43=	0209 1259		
12=	0173 4322	28=	0500 1202	44=	**0167 9911**		
13=	6230 4810	29=	0209 1236	45=	**7137 0023**		
14=	6230 4811	30=	307 4604 0010	46=	307 4604 0020		
15=	307 4607 0008	31=	307 4604 0019	47=	307 4604 0021		
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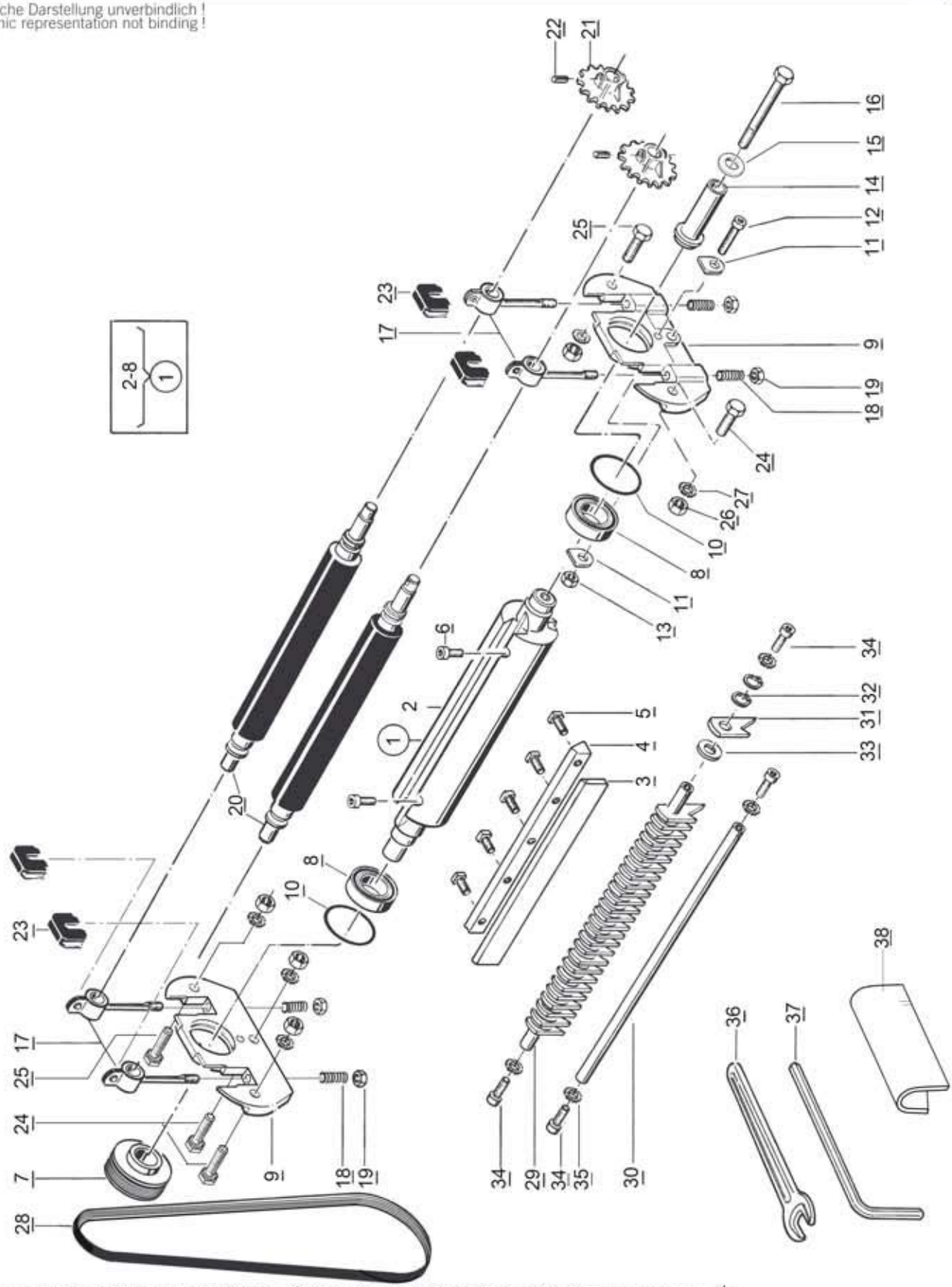

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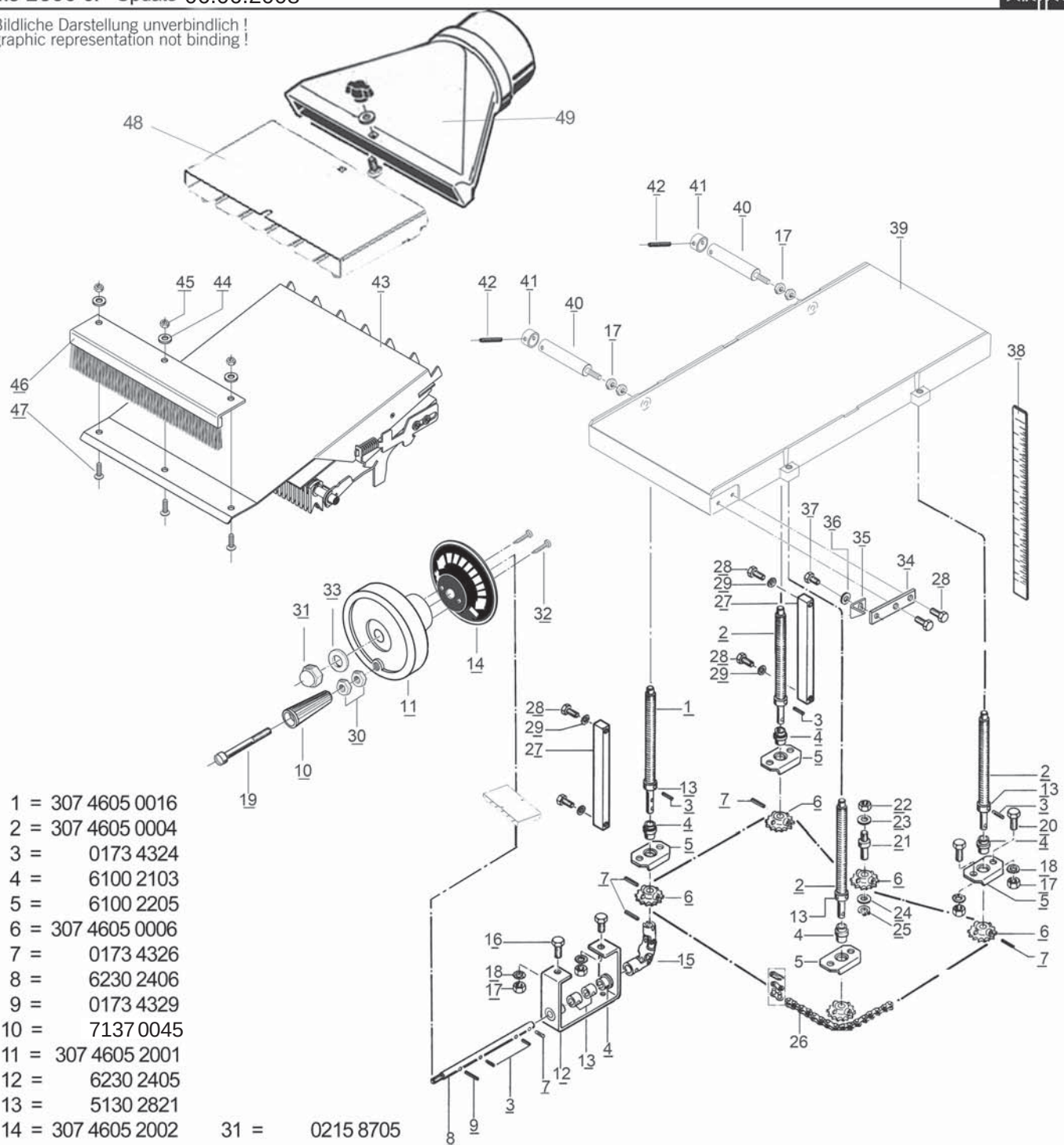

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9	=	0173 4329			
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13	=	5130 2821			
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15	=	6200 2104	32	=	0279 8114
16	=	0209 3365	33	=	0201 2507
17	=	0209 3405	34	=	307 4605 0017
18	=	0201 3707	35	=	307 4605 0018
19	=	7137 0046	36	=	0201 2504
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26	=	307 4605 0009	43	=	7137 0041
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28	=	0209 1235	45	=	0209 3404
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48 - 49 = 62300111

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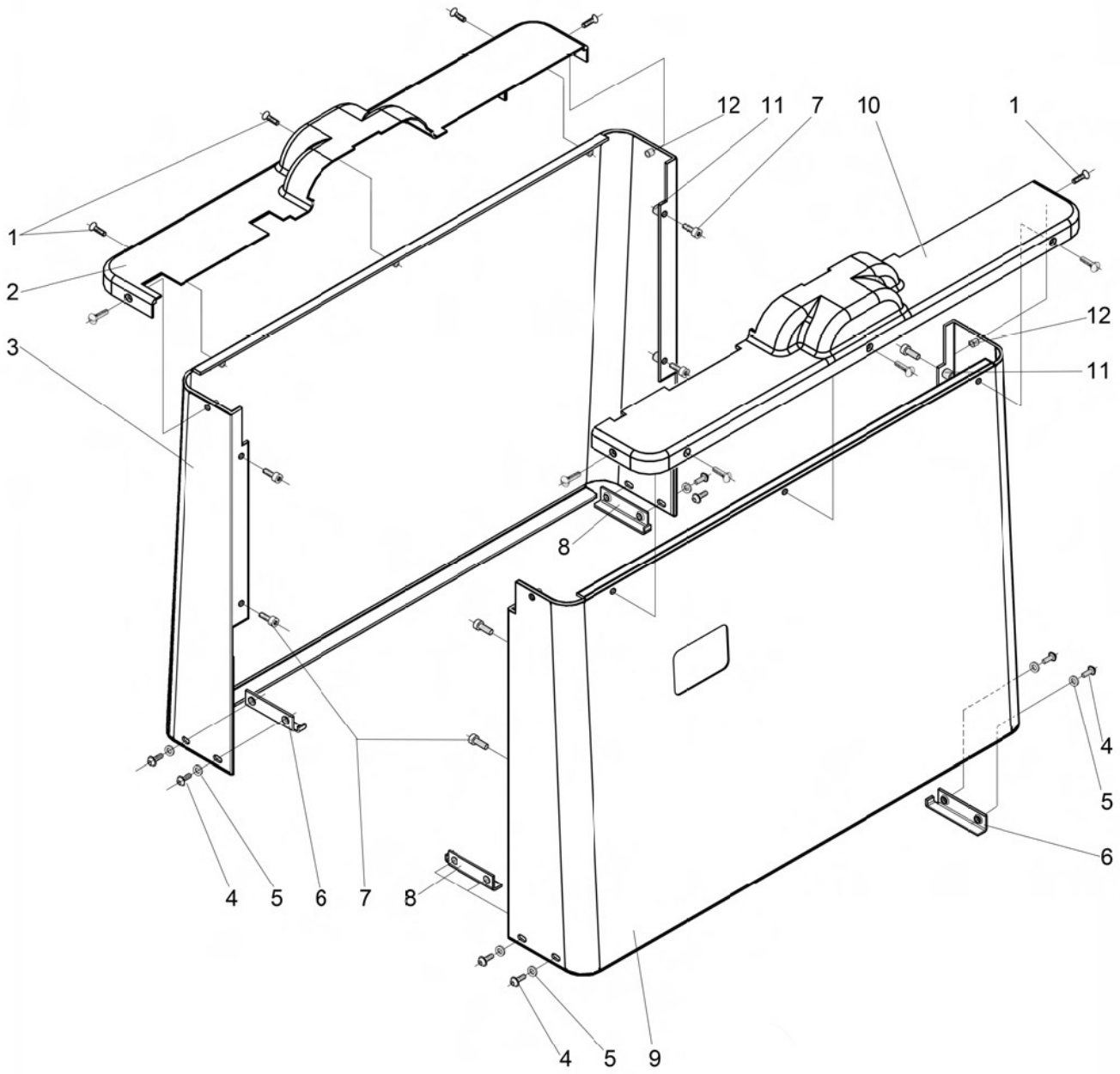

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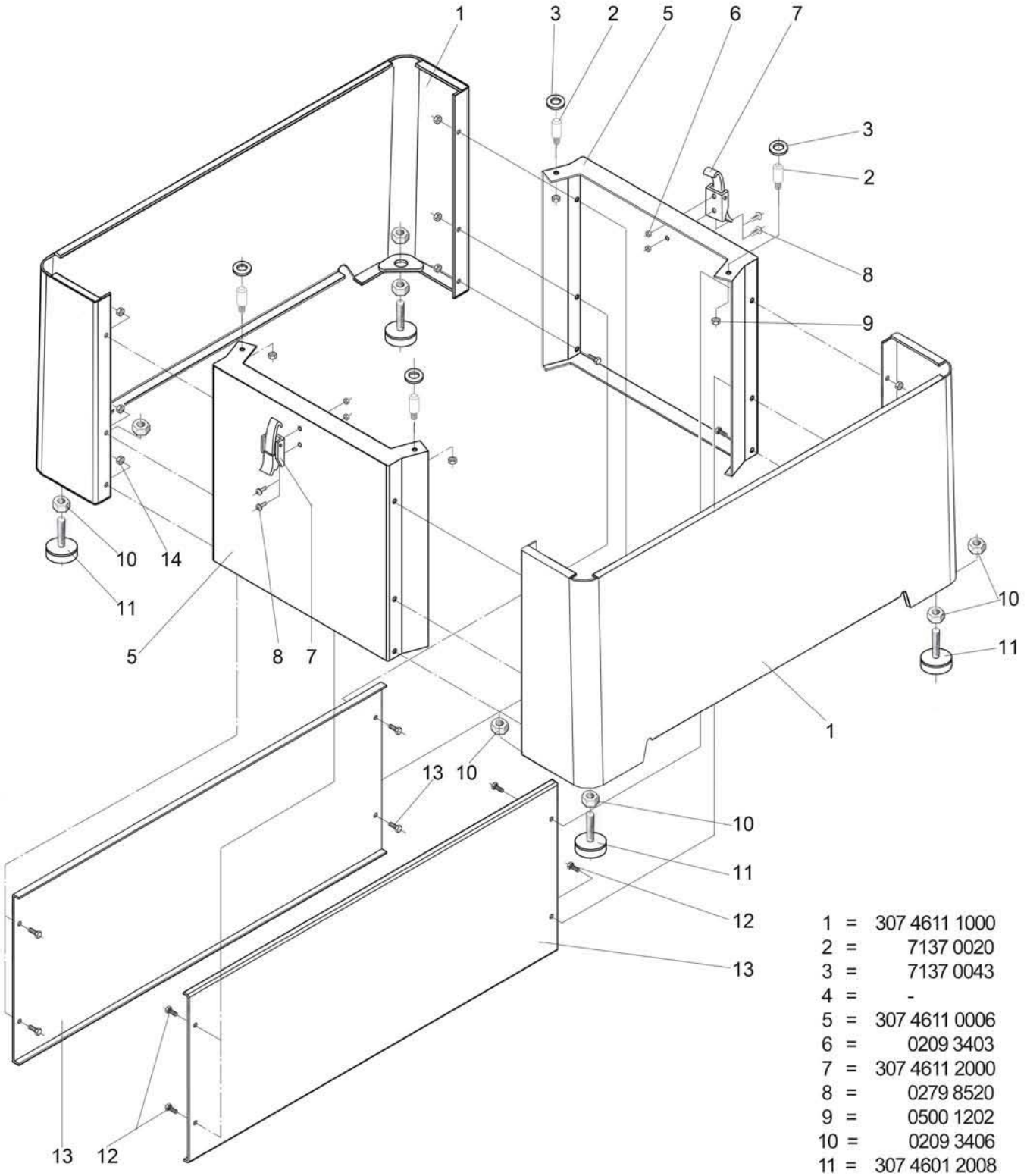

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