Operation manual
The **ROLL-STRIPPER RO-1.1**



Operation manual

The **ROLL-STRIPPER RO-1.1**

The operation manual identify important notes on safety and damage prevention using the following symbols:



Please comply with these instructions to avoid any damages and injuries.
They point to a possible dangerous situation. The nonobservance can lead to the death, to heavy injuries and to material damages.

No liability for the damages which originate from the use of these operating instructions.
Changes reserve.

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The operation manual identify important notes on safety and damage prevention using the following symbols:

Warning!



Designates a potentially hazardous situation.
Please note that failure could cause death or injuries.

Caution!



Designates a dangerous situation.
Please note that failure could cause damages at products or others.

Note!



Important notes on the operation, intended for an optimum utilization of the equipment and other useful information.

*The operation manual is intended to **accompany the machine**.*

The operation manual has been prepared by the manufacturer on the basis of his knowledge and experience with respect to design, production and operation.

Specific instructions of the user may be added to these operation manual (for example to refer to surveillance and reporting regulations, inter-company maintenance and inspection schedules. The inspection intervals are in accordance with VBG 4 §§ 3 and 5 und § 20 GefStoffV (Regulations of hazardous materials).

1.1 General notes for the operator

As a operator you are responsible for:

- The proper and normal operation by trained persons only,
- The adherence to the safety regulations, the safety notes, and the provisions referring to working safety and accident prevention,
- The technical instruction of the operation personnel on the equipment and their reading of the operation instructions of the equipment.

1.2 Description of the ROLL-STRIPPER RO-1.1

The ROLL-STRIPPER RO-1.1 is used for removing bonded floor coverings like linoleum, PVC, CV, vinyl, rubber, carpet, ceramic tyles and parquet in dry rooms.

The covering is removed by a pushing motion of the tool from the ground. (Stripper principle).

1.3 Storage



Caution!
Please store the machine dry.
Please store the machine with removed tool to avoid injuries!

2 Safety notes

2.1 General information

Adherence to the safety notes helps to protect against injuries and reduces the risk of an improper utilization of the machine. Every user of this machine and personnel charged with the assembly, maintenance or repair of this machine must have read and understood the contents of the instructions prior to starting any work.

2.2 Intended use

The ROLL-STRIPPER RO-1.1 is used for removing bonded floor coverings like linoleum, PVC, CV, vinyl, rubber, carpet, ceramic tyles and parquet in dry rooms. Any other use is regarded considered improper use. The manufacturer is not liable for any damage resulting there from.

If the machine is used for purposes other than those intended, the manufacturer of the machine cannot be held liable for any damage to persons, property or pets resulting from such misuse.

2.3 General safety instructions

The ROLL-STRIPPER RO-1.1 was designed and constructed for its intended use in accordance with the generally approved rules of technology, the industrial safety and accident prevention regulations, and the directive for the safety of machines of the EC.

- Certain dangers may be occurring during the operation of the machine despite all safety and security measures and facilities. This is especially true if
  - improper operation or
  - improper application

  are the cause.

Failing to adhere to the operation instructions, in particular to the safety notes, will create danger of injuries or even of fatal injuries as also danger of damage to physical assets.



Warning, Danger of electrical shocks

Do not use damaged lines and plugs.
The machine may be operated only in a technically flawless condition and with all safety facilities fully operational.

2.4 Prerequisites for the user

The users of the machine are required to

- be instructed with the operation of the machine,
- be familiar with and able to execute the operations required for the handling and assembly of the machine,
- be aware of and know the applicable safety regulations for the operation of such machines and adhere to these (cf. The chapter “Preliminary marks”),
- be informed about possible additional local (national) regulations (e.g. with respect to safety facilities),
- be informed about potential threats and dangers arising from the operation of such machines

2.5 Inspection with accordance with VBG 4 § 5 (1) Nr. 2

The user is responsible for ensuring that the machine is inspected with respect to its proper operation in intervals of 6 months. The inspection may only be executed by a skilled electrician or by personnel that has been trained in electrical skills, provided that suitable measuring and test equipment is used.

2.6 Safety notes

With nonobservance or disregard of these instructions heavy injuries and/or damages can be caused. Read and keep all safety notes.

2.6.1 Safety notes electrical connection

Warning! Danger of life!

When crossing and damaging the electrical cable: DANGER due to electric shock!

Perform a safety check prior to each start of the machine:

- Inspect the connecting cables and connectors/pugs for damage and improper connected load.
- Route the electrical cables properly to prevent persons tripping over them.
- Do not switch on the machine until it is in working position.
- Hold the machine firmly with both hands at the handle.
- Switch of the machine immediately when the operation is completed.

Should there be problems with the electricity supply (protections, relays etc.) please contact a specified electrician.

Switch off and disconnect the machine for maintenance and repair.

Never use the machine with a defective cable; this can lead to an electric shock. Do not pull the machine at the cable. Use only intact plugs and cables.

It can come for injuries or deaths by electric shock if the cable is damaged. Hold the cable far from the lower part of the machine, so that it cannot get into contact with the blade. Lead the cable always to the back away.

Should the machine not be properly connected to the electric system, this can lead to deaths by electric shock. For a maximum protection against electric blows you use please an electric system with safety switch.

Use only approved cables with a cross section of 3 x $2{,}5^2$. With the use of the machine with cable of insufficient cross section and/or excessive length, this can lead to material damages or personal damages.

2.6.2 Safety notes operation

In order to work as safely as possible, you need to wear appropriate clothing and equipment at work. The clothing must be appropriate and not disturbing. Do not wear clothing that can get caught up. Secure long hair e.g. with a hair net.



Caution! Wear ear protection!
During operation, a hearing protection must be worn.

For the ROLL-STRIPPER RO-1.1 following sound value was determined according to DIN 45645:
Use operating LEQ = 85 dB (A)

The generated noise during machine operation depends on various factors.
Local conditions such as room size and ground conditions affect the noise.



Caution! Wear protection eyeglasses!
For eye protection safety glasses must be worn during operation and during all work.



Caution! Wear suitable work clothes!
Wear during the operation and for all work any loose clothing. These can be caught in moving parts.



Caution! Wear safety shoes!
The wearing of safety footwear protects against serious foot injuries.



Keep hands, feet and not sticking parts of the clothes far from the machine parts located in work. The parts in movement of this machine can cause heavy injuries and/or damages.



During the work no person shall be stay in front of the machine!
Flooring residues must be cleared with a broom or shovel off the track of the machine.



With the use of a not completely mounted machine injuries can originate to persons and/or things. Do not use the machine, before this has been completely mounted. Keep all connection elements closed.



Do not screw or rivet signs on the machine, you can destroy the protective insulation! We recommend stickers!

Maintenance and repair by uncertified staff can lead to injuries or damages and reduces all guarantee achievements.



Should the machine be exposed to water or rain, it can come to deaths by electric shock.
The machine must be stored in a dry building.

3 Scope of delivery

17.11000 ROLL-STRIPPER RO-1.1
Operation manual
Bag with tool kit
Stripper tools
connection cable 3x2,5mm^2

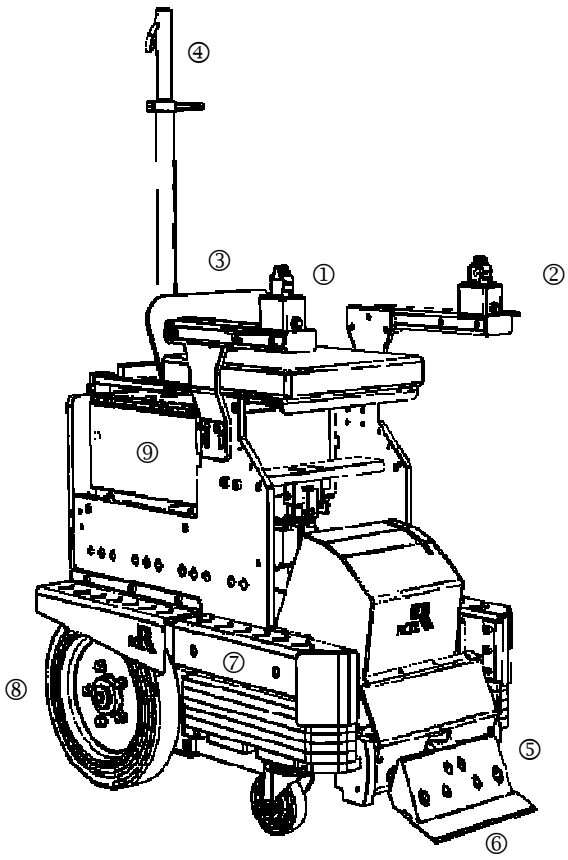
Accessories

3.1 Stripper tools

Choosing the right stripper tool
Choosing the right tool depends on the floor covering and the subfloor and is crucial for efficient performance of ROLL-STRIPPER. The harder the surface and the harder it is connected with the ground, the narrower the tool should be selected.

4 Description of the ROLL-STRIPPER

4.1 Important components of the ROLL-STRIPPER



① Right drive wheel joystick and lift motor button up

② Left drive wheel joystick and lift motor button down

③ Seat

④ Cable holder

⑤ Strike mechanism

⑥ Stripper tool

⑦ Additional weights right/left

⑧ Drive wheels right/left

⑨ Switch cabinet

4.2 Technical specifications

Drive motor:	each 1,5 kW, 230 Volt
Torque:	654 Nm
Speed:	Up to 37 meter per minute
Stroke engine:	1,1 kW, 230 Volt
Blow count:	2000 beats per minute
Lift motor:	8600 N
Working width:	60 / 80 / 100 / 120 / 250 / 300 / 350 mm
Dimensions:	1050 x 600 x 1100 mm
Weight:	528 kg

4.3 Safety devices

4.3.1 Electrical safety devices



To avoid danger, the ROLL-STRIPPER is equipped with electrical safety devices. If there is a risk of injury or damage to people or property, press an emergency stop button.

- Emergency stop switch on the control cabinet on the right
- Restart protection after a power failure

4.3.2 Mechanical safety devices



The ROLL-STRIPPER is equipped with mechanical safety devices to avoid danger and injury to persons.

Danger from drive wheels. Keep hands, feet and non-adhering parts of clothing well away from the drive wheels. To avoid danger from the drive wheels, the ROLL-STRIPPER is equipped with safety devices:

- Running boards right/left

Danger from machine parts in operation. Keep hands, feet and non-adhesive parts of clothing well away from working machine parts. The moving parts of this machine can cause serious injury and/or damage. The ROLL-STRIPPER is equipped with safety devices to avoid danger from machine parts in operation:

- Cover hoods
- Floor panel

5 Assembly

5.1 Safety notes assembly

Caution! Material damage possible!
The work must be done sensitively and with the right tools.

Note!
The ROLL-STRIPPER RO-1.1 is delivered fully assembled.

The assembly of the stripper tool, as well as the electrical connection to the mains is carried out in the workplace only.

6 Loading and transport

Often, it is essential that the machine has to be transported to a application site.

Weight of the complete machine: 528,0 kg

Caution, Fragile!

Do not transport the machine without securing it onto the load area.

6.1 Safety notes loading and transport

Insufficient preparation for transport and inadequate cargo securing can lead to serious personal injury and damage!

- Always remove the stripper tool for transport.
- Loading and unloading of the ROLL-STRIPPER RO-1.1 perform on firm ground.
- Use suitable ramps.
- Drive the ramp slowly. Nobody should stay behind the ramp and in front of the machine (danger of tipping).
- Use for the transport only appropriate vehicles.
- Secure the ROLL-STRIPPER RO-1.1 safe on the loading area, for example with wedges, ropes and chains.
- Check periodically lashing equipment, but at least:
  – before each use
  – at least once a year by skilled technician

6.2 Loading using a ramp

- The ramp must be clean, dry and free from grease and oil.
- Attach the ramp securely to the vehicle and, if possible, secure it against slipping.
- Position the ROLL-STRIPPER at the end of the ramp.
- Connect the ROLL-STRIPPER to the mains.





When loading and unloading, you should work standing up next to the ROLL-STRIPPER to minimize the risk of tipping.

6.3 Loading with the help of a lifting device

The ROLL-STRIPPER is equipped with 4 ring bolts for loading and transport security. The ring bolts are positioned in such a way that the ROLL-STRIPPER can always be balanced and lifted safely.

Only attach the ROLL-STRIPPER to these ring bolts to avoid any damage!

- Make sure the lifting device is approved for a weight of at least 528.0 kg
- Attach a hook system or chain to the eyes of the ring bolts
- Lift the device with the lifting gear. When transporting, make sure that there are no people under the ROLL-STRIPPER.

6.4 Loading in an elevator



Due to its compact dimensions, the ROLL-STRIPPER is suitable for transport in an elevator. Before transport, please make sure that the lift is approved for a weight of at least 528.0 kg.

If available, a freight elevator should be used for safety reasons.

6.5 Transport securing

The scope of delivery of the ROLL-STRIPPER includes tensioning straps for load securing during transport.



Basically, the relevant directives and standards to secure cargo apply to transport the cargo safely and securely.

Note for securing loads the dynamic forces etc. occur when starting, braking, cornering.

Lashing equipment must not be overloaded because of breakage or damage.

Never knot lashing equipment, as significant loss of strength is the result.

Damaged or overloaded lashing equipment may not be used. The strength the lashing equipment is no longer guaranteed.

Check the pretension of the lashing equipment after a short driving distance and throughout the journey, and retighten if necessary.

- Fasten one end of the straps to the eye bolts on the ROLL-STRIPPER.
- Attach the other end of the straps to the lashing eyes on the vehicle.
- Tension the straps on the tensioning lever until the machine is completely fixed.

7 Operation

7.1 Preparing the machine

7.1.2 Connect to mains



- Connect the ROLL-STRIPPER with the supplied extension cable to the mains.
- Lay the extension cable in such a way that it cannot be driven over when working.
- When turning the cable should always be kept raised above the machine so that it cannot be driven over.



Connection to the generator



Operation of the machine on a power generator is not permitted.
This can damage the frequency converter or overload the generator.

7.2 Prepare the ground

- In order to effectively remove the floor covering, it is first cut in the working direction into strips. The width of the strips depends on the width of the stripping tool being used.
- For soft floor coverings optionally the U-shaped stripper tool can be used. This eliminates the need for strip cutting.
- At the place at which the machine is placed, an starting point for the ROLL-STRIPPER should be cut parallel to the stripper tool.

7.3 Starting the machine

7.3.1 Switch on/off the regulation

The regulation of the ROLL-STRIPPER is switched on/off with the rotary switch "*ON/OFF*" at the switch cabinet.

Working steps:

- Turn the rotary switch at the switch cabinet to position "*ON*" to turn on the regulation.
- Turn the rotary switch at the switch cabinet to position "*OFF*" to turn off the regulation.



Caution
Once the regulation of the ROLL-STRIPPER is turned on, the ROLL-STRIPPER is ready for use. Control commands are performed by pushing the joystick.

7.3.2 Adjusting the working angle

Thanks to the variably adjustable working angle, the stripper tool can be optimally adapted to different floor coverings and subsurfaces. In addition, the stripper tool is pressed against the floor so that it cannot slide over the floor covering. The setting is made with the help of a lifting motor and pushbutton switches on the left/right joystick.

- Press the button on the right joystick to lift the stripper tool off the ground.
- Press the button on the left joystick to press the stripper tool against the ground.

The adjustment can also be made during operation, e.g. in order not to damage expansion joints in the substrate.

Avoid too steep a working angle to reduce tool wear.

7.3.3 Switch on the striking mechanism

The striking mechanism and thus the stripper tool is powered by a motor which is switched on and off with the toggle switch at the switch cabinet.

Let the striking mechanism switched on only for the removal process to avoid unnecessary tool wear and injury.

Working steps:

- Push the toggle switch in position „I“ to switch on the striking mechanism.
- Push the toggle switch in position „0“ to switch off the striking mechanism.

7.3.4 Start the stripping (removal) process

After the ROLL-STRIPPER was prepared and the stripper tool was placed at the previously cut starting point the stripping process can start.

Working steps:

- Push both joysticks forward to drive forward.
- Pull both joysticks backward to drive backwards.

See also chapter "*Control of the ROLL STRIPPER*"

7.4 Control of the ROLL-STRIPPER

Steering movements:

- The steering movements are carried out with the joysticks.
- Push both joysticks forward to drive forward.
- Push both joysticks backwards to drive backwards.
- Use only one joystick at a time to turn and change direction.

Set working angle:

- The working angle is adjusted with the push buttons on the joysticks.
- Press the button on the right joystick to raise the stripper tool off the ground.
- Press the button on the left joystick to push the stripper tool to the ground.

Switch on the striking mechanism

The striking mechanism and thus the stripper tool is powered by a motor which is switched on and off with the toggle switch at the switch cabinet.

- Press the toggle switch on the control cabinet to position "I" to switch on the impact mechanism.
- Press the toggle switch on the switch cabinet to position "0" to switch off the impact mechanism.

Emergency switch:

In order to switch off the ROLL-STRIPPER quickly in dangerous situations, the device is equipped with an emergency stop switch on the control cabinet on the right.

- Press the emergency stop button to deactivate the ROLL-STRIPPER.
- Release the emergency stop button with a slight twist to activate the control panel.

7.5 Tips

- Make sure that the stripper tool is always sharp. Keep your work area clean and free of debris to avoid unnecessary wear of the tool and to allow optimal traction of the chains.
- For soft subfloors use the stripper tool with bevel down to avoid damages of the subfloor.
- Place the stripper tool not too steep at soft surfaces.
- Cut the strip width of the floor covering not wider than the used stripper tool. In case of stubborn bonded coverings cut narrower strips.
- Work alignment from the middle of the room to the wall.
- Take care of the power cord. If possible, work away from the socket.

8 Service and Maintenance

8.1 General

The required tools for the servicing, care and maintenance described below are included with the machine.

ROLL has intended care and maintenance for the ROLL-STRIPPER. Only these described below works can be performed.

For this, the following instructions must be adhered to. The use of original spare parts ensures the reliable use of the machine in the future.

Following works are intended:

- Cleaning and maintenance (chapter 8.2)
- Changing the stripper tool (chapter 8.3)

8.2 Cleaning and maintenance



Caution!
Switch off the machine before cleaning with the ON-/OFF rotary switch at the switch cabinet and pull out the plug from the power connection!

Once per week - with frequent use more often - carry out:

- Clean the cooling air openings
- Blow out the engine compartment from the outside with dry compressed air
- Remove the floor covering leftovers

From time to time:

- Check the mobility of the moveable tool axis by rotational movement
- Blow out the engine compartment from the inside with dry compressed air
- Check the toothed belt on the impact motor and tighten if necessary



Caution!
Replace the wear parts timely!

8.3 Changing the stripper tool

Bring the striking mechanism to the top position as described in point 7.3.2 "Setting the working angle".



Caution!
Switch off the machine before cleaning with the ON-/OFF rotary switch at the switch cabinet and pull out the plug from the power connection!



Caution!
Danger of cutting for the hands! Wear protective gloves!



- Open the four allen screws on the tool holder and, if necessary, pull out the worn stripper tool.
- Insert the new stripper tool in the center.
- Retighten the four allen screws.

8.4 Safety notes for cleaning and maintenance



Note!

For all works the following can be applied in general:

- *The works must be done by trained personnel only.*
- *Any work performed on the electrical equipment may be carried out by skilled electricians only.*
- *The utilization of original parts guarantees the necessary technical specifications.*
  The spare parts catalog you will find at the end of this manual.



Caution!
Material damages are possible!

The works have to be done carefully and with suitable tools, so that no other parts of the machine are damaged during the possible slipping of the tool.

9 Instruction of the operator

As the operator, you are responsible for the proper and intended use by trained personnel. Since improper use dangers to persons and damage can occur, a thorough and comprehensive training of people is required. The responsible for the training of operators is the entrepreneur who instructed the operator to work with the ROLL-STRIPPER.

9.1 Theoretical instruction

☐ Handed out the operation manual.
This operating manual is as the basis for the instruction of the operator.

☐ Made aware on the safety notes
according chapter 2 of this operation manual.

☐ Checked the scope of supply according chapter 3 of this operation manual.
Scope of supply complete.

☐ Explained the important components of the ROLL-STRIPPER.
According chapter 4 "Description of the ROLL-STRIPPER" of this operation manual.

☐ Made aware on the safety notes
According chapter 4.5 of this operation manual.

9.2 Practical instruction

☐ Instruction at the ROLL-STRIPPER

- Explanation of the components
- Explanation of the dangerous points
- Explanation of the safety notes
- Response to malfunctions
- Assembly according chapter 5 of this operation manual
- Instruction for loading and transport according to chapter 6 of these operating instructionsStartup according chapter 7 of this operation manual

☐ Practice at the ROLL-STRIPPER

- Sensitive driving with the ROLL-STRIPPER
- Adjusting the working angle
- Steering the ROLL-STRIPPER

☐ Maintenance of the ROLL-STRIPPER

- Changing the stripper tool according chapter 8.3 of this operation manual
- Cleaning and maintenance according chapter 8.2 of this operation manual

Instruction was conducted on: _____ in: _____

_____ _____

Instructor: Name | Signature Operator: Name | Signature

E Annex E: Spare parts list

E.1 Ordering information for spare parts

An unmistakable identification and designation of the parts ensures that the correct part will be delivered.

In order to avoid transmission errors and extensive descriptions it is recommended to use only the designations and the numbers stated in the spare parts list.

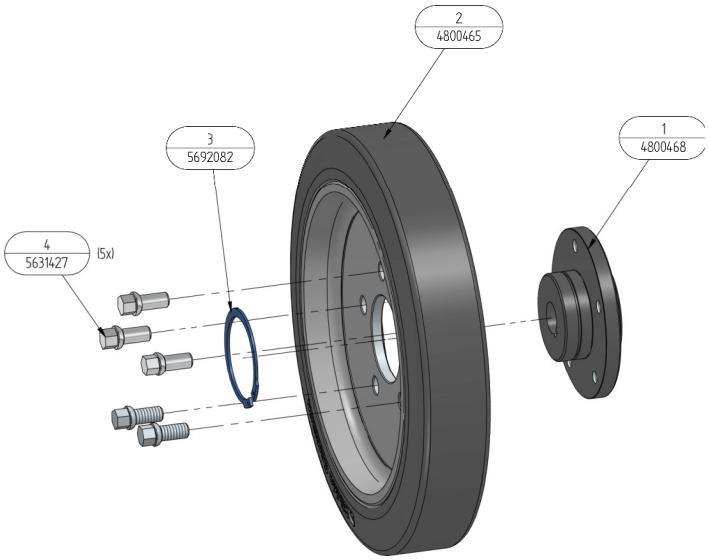
E.2 Ordering example

We need "**Drive wheel**"

Working steps:

1. Find the position of the required part in the illustration (exploded drawing); For this example: **2**
2. Then determine the corresponding article no.; for this example: 4800465
3. 3. The full text of the order is:

Description	Article-no.	Quant.
Drive wheel	4800465	1



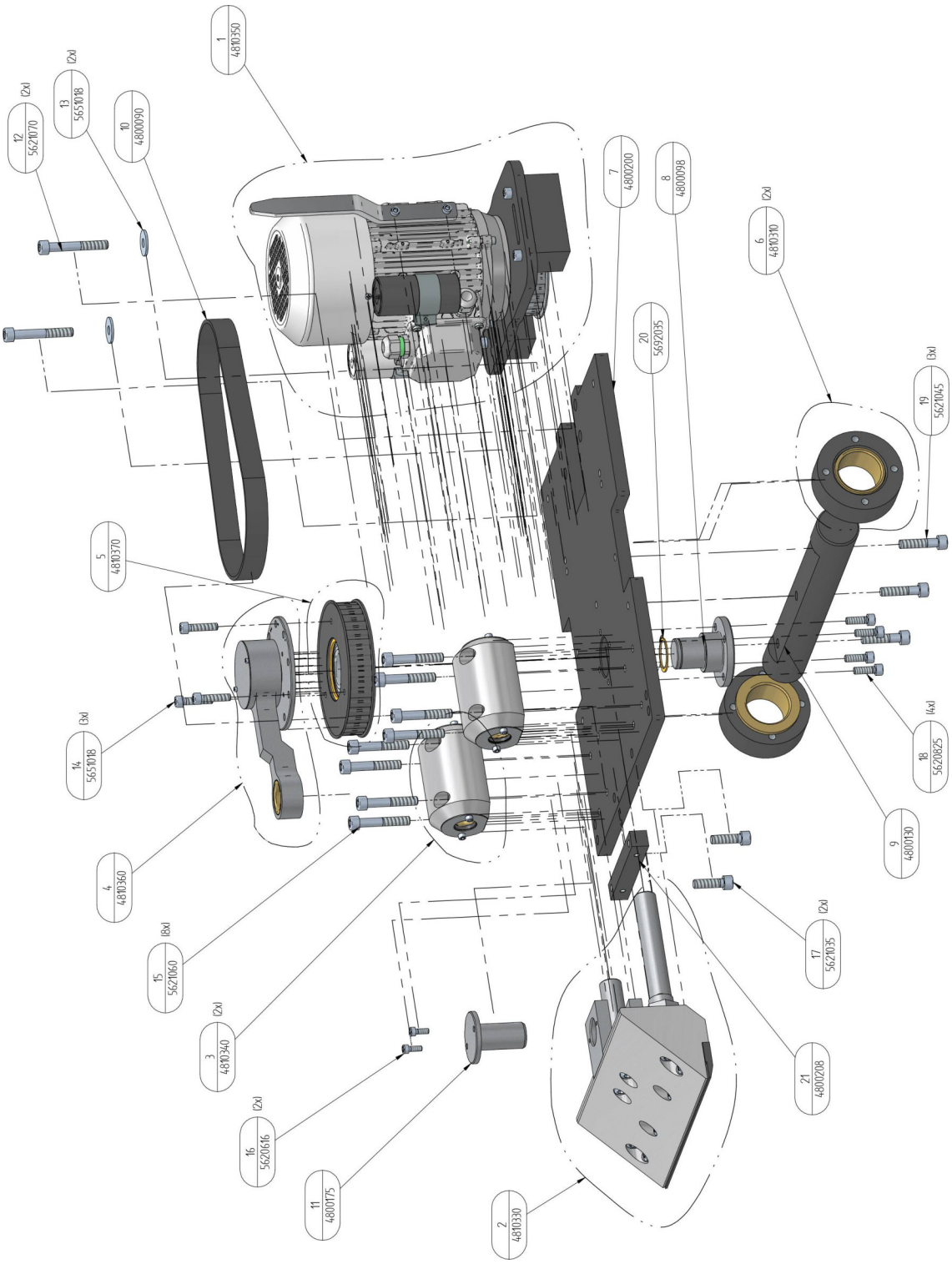
E.3 Ordering address

Address your spare parts order to:

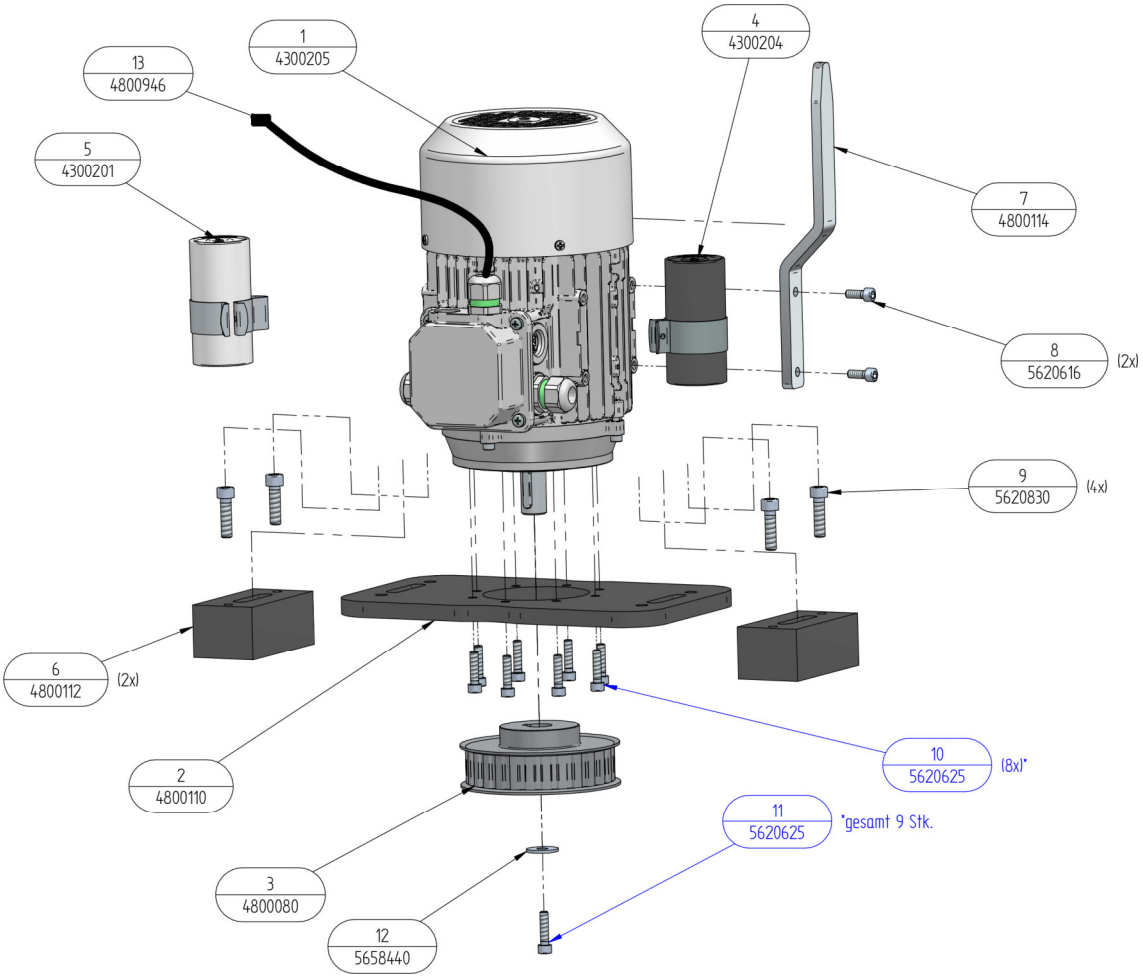
Roll GmbH
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Phone +49 (0) 7128 / 92800
Fax +49 (0) 7128 / 928011
E-Mail info@roll-gmbh.de
Internet www.roll-gmbh.de

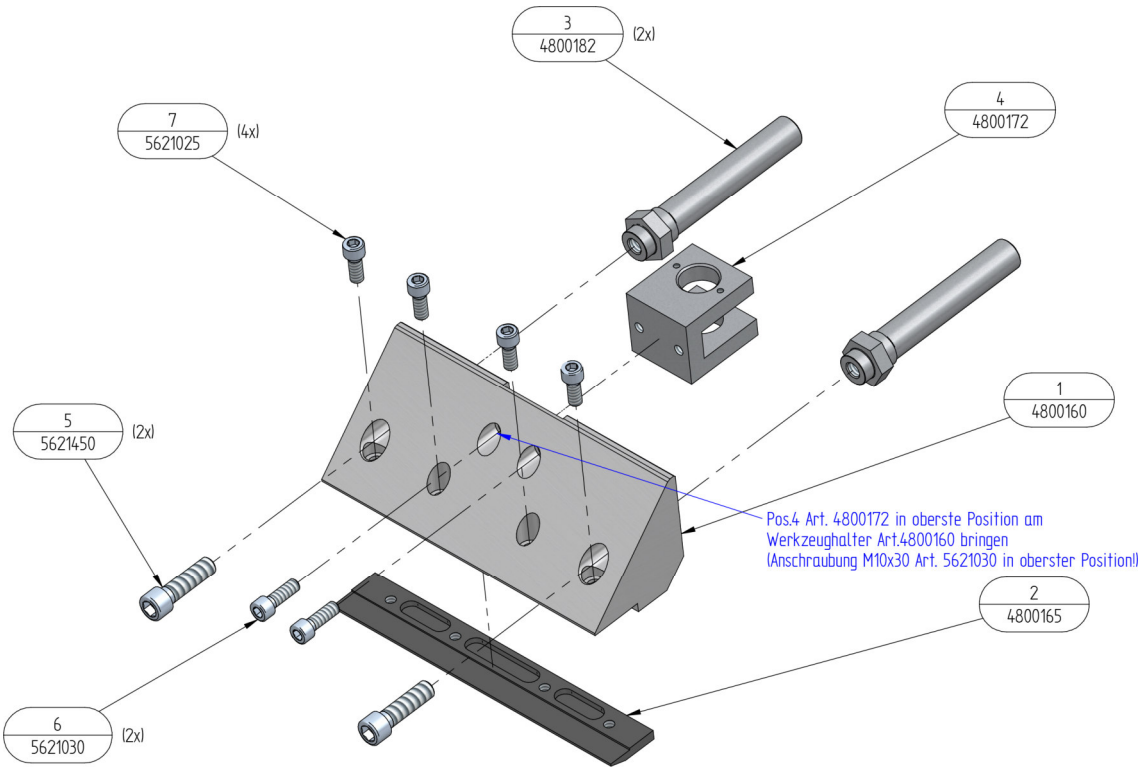
Exploded view „Tool linear console“



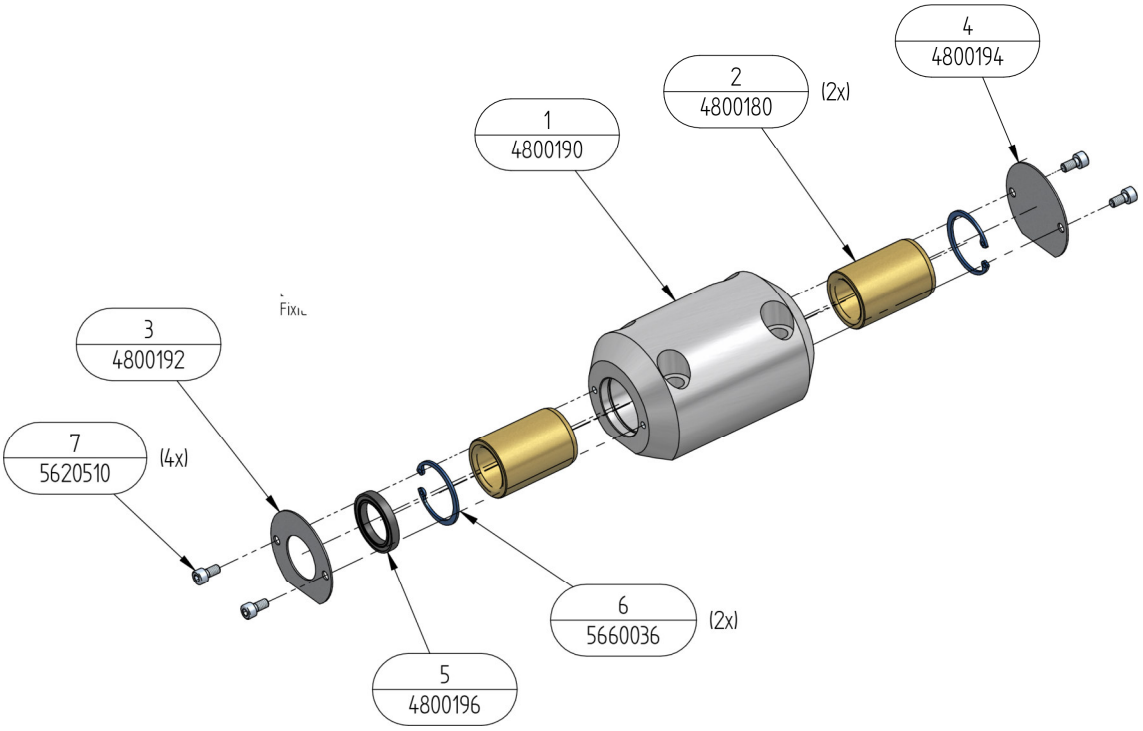
Exploded view „Striking motor“



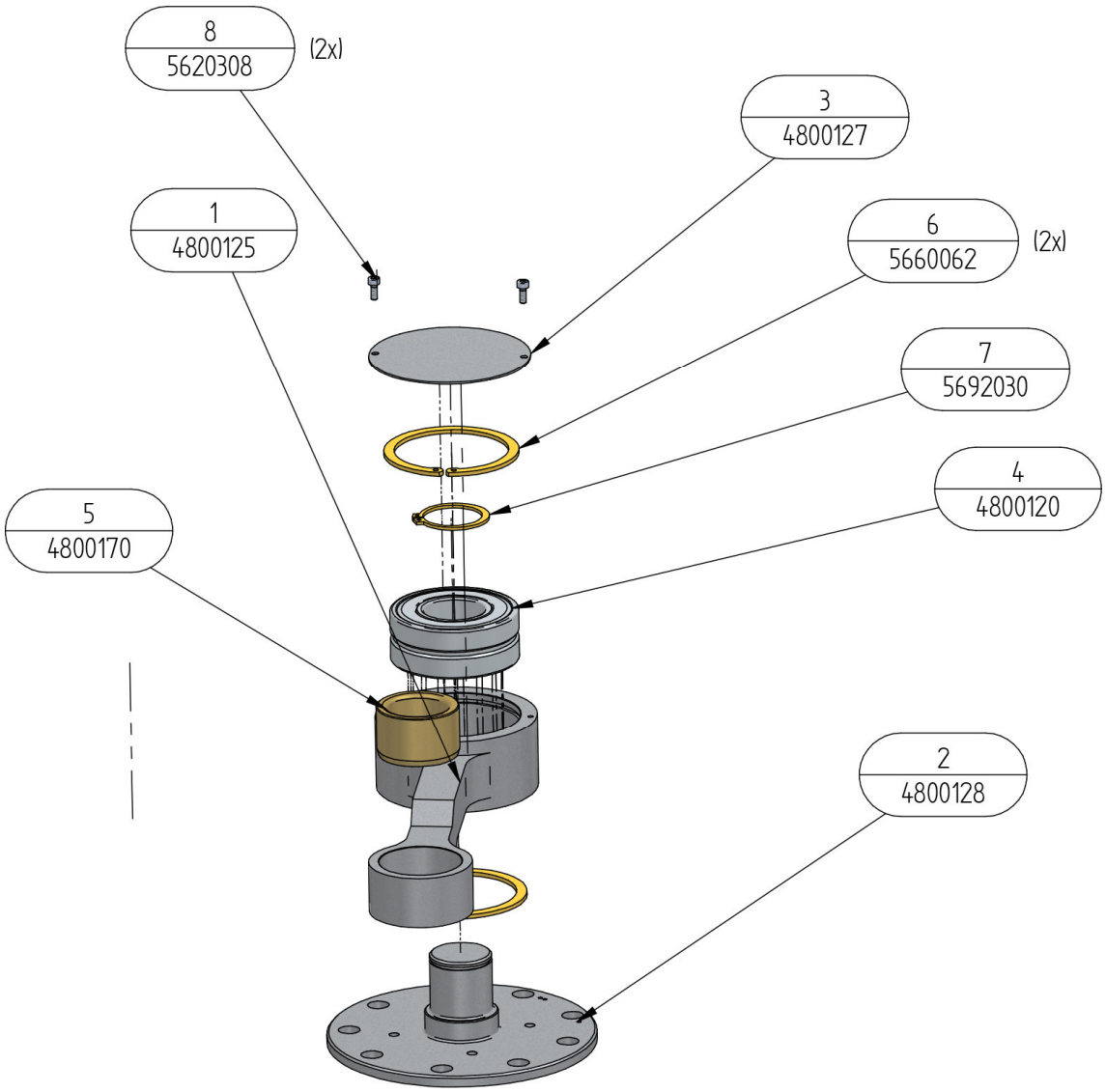
Exploded view „Tool holder“



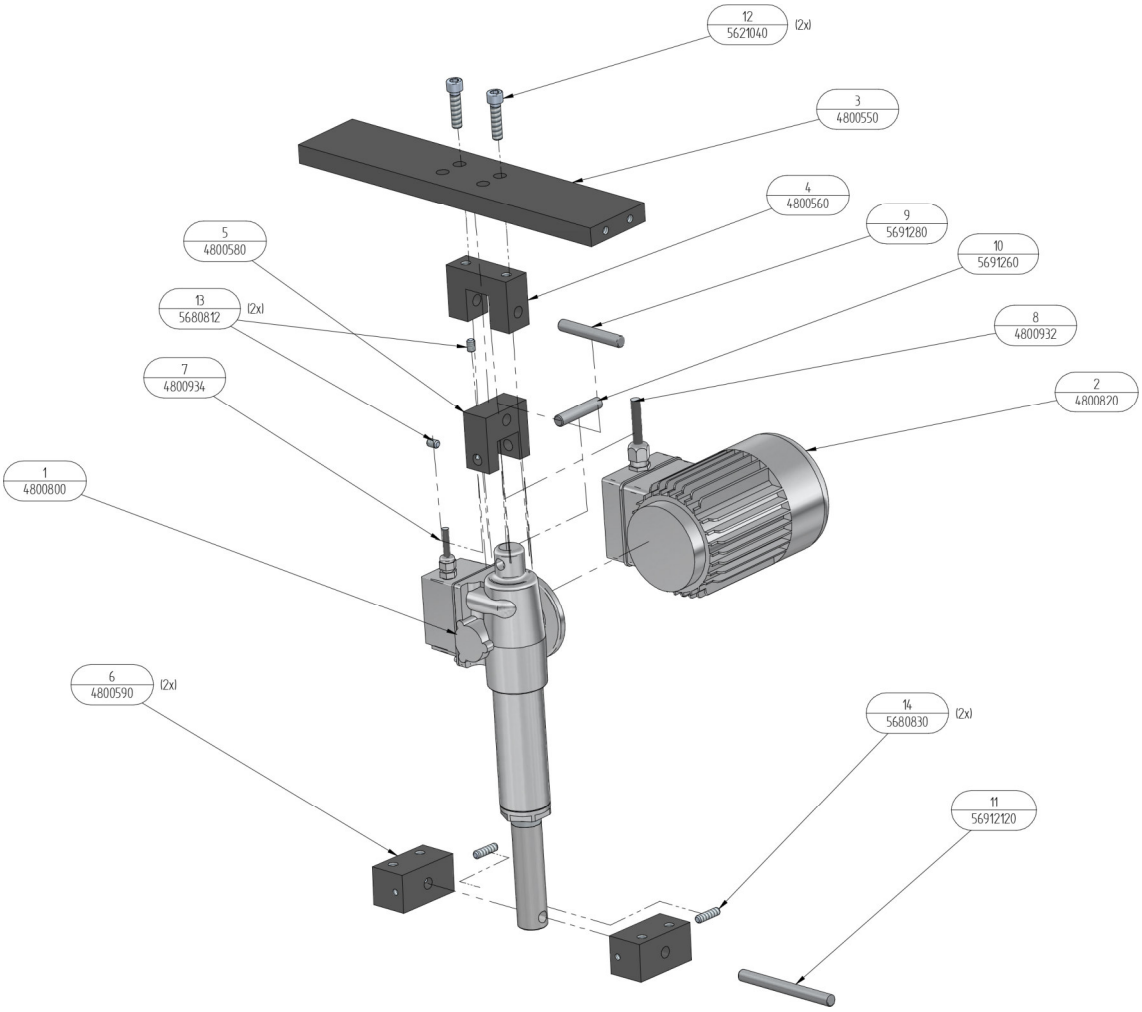
Exploded view „Linear guide housing“



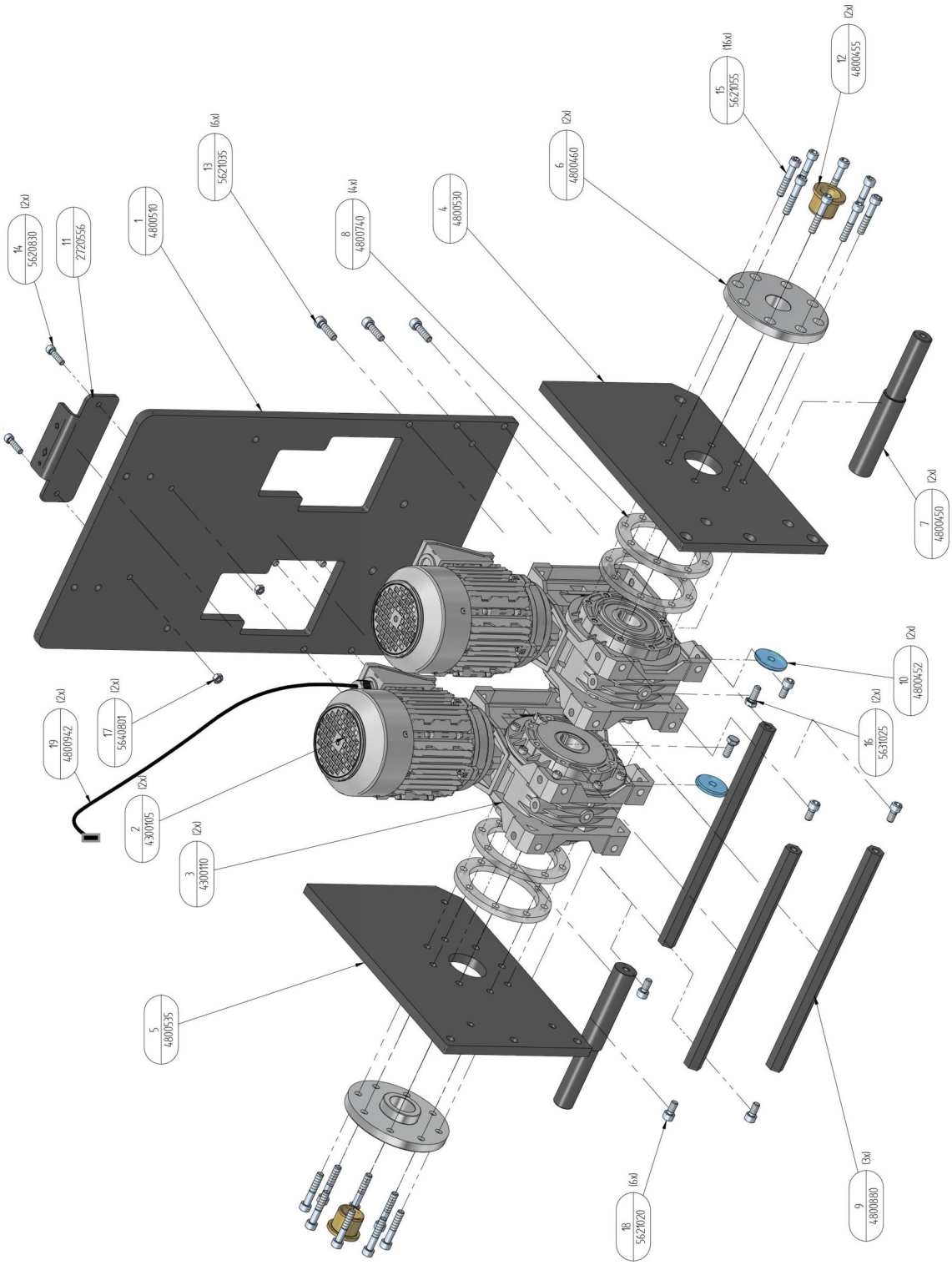
Exploded view „Rod“



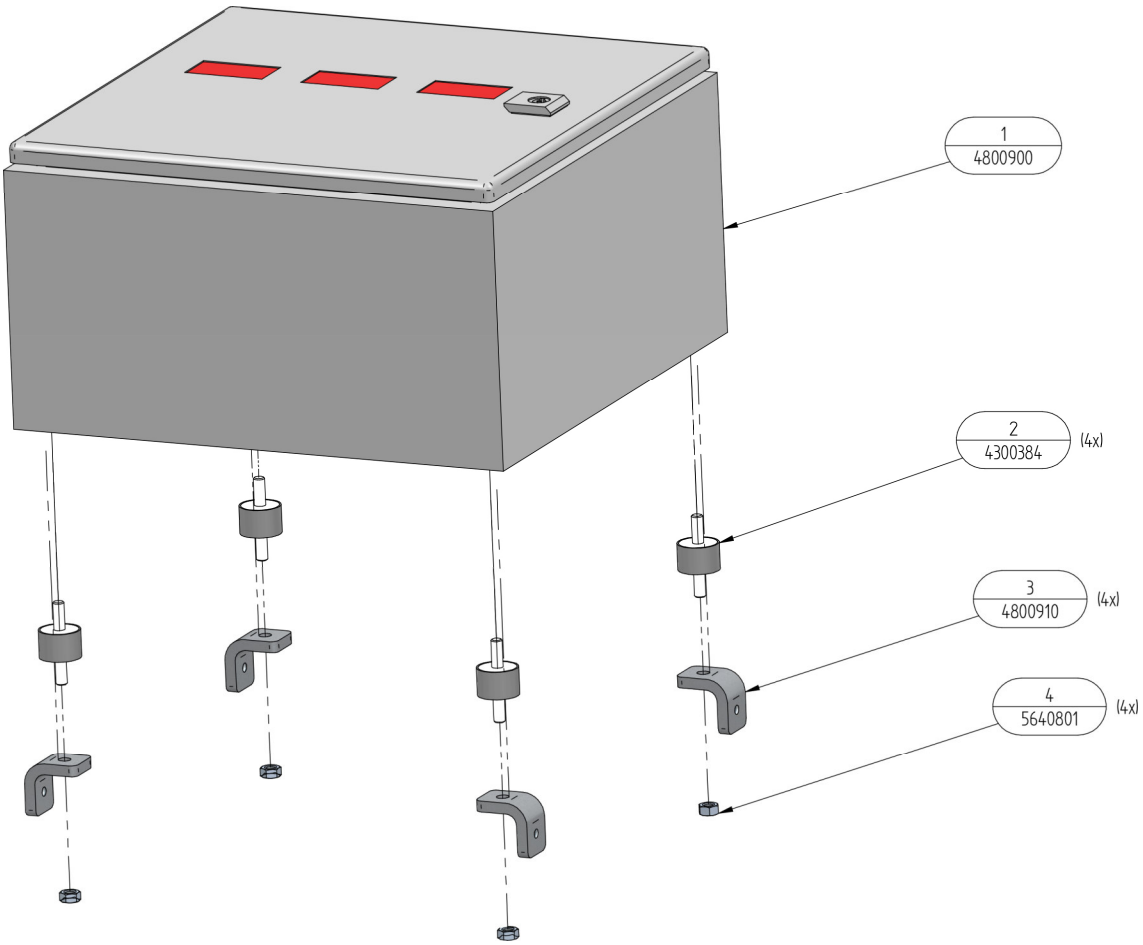
Exploded view „Lifting motor“



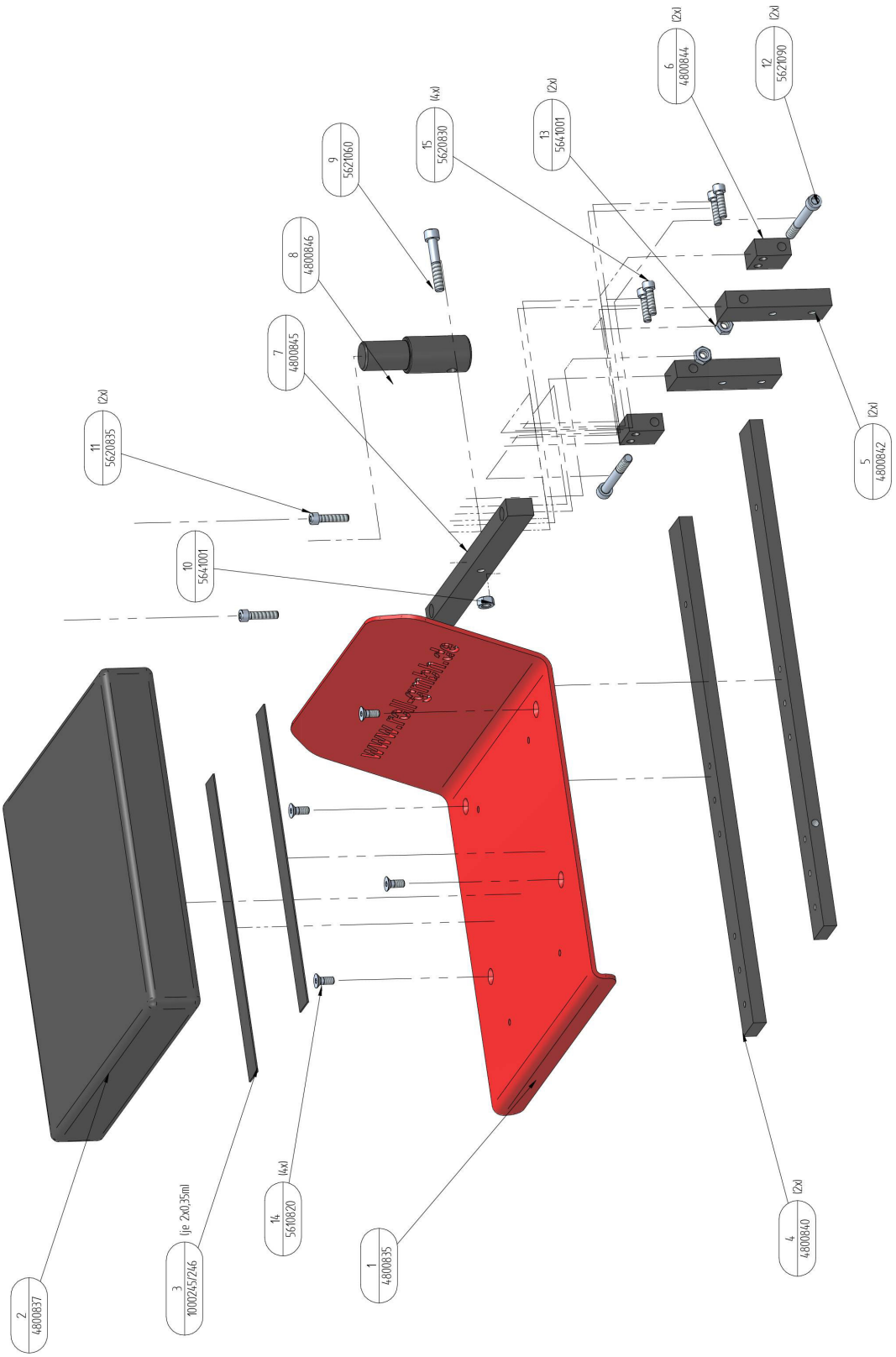
Exploded view „Drive motors“



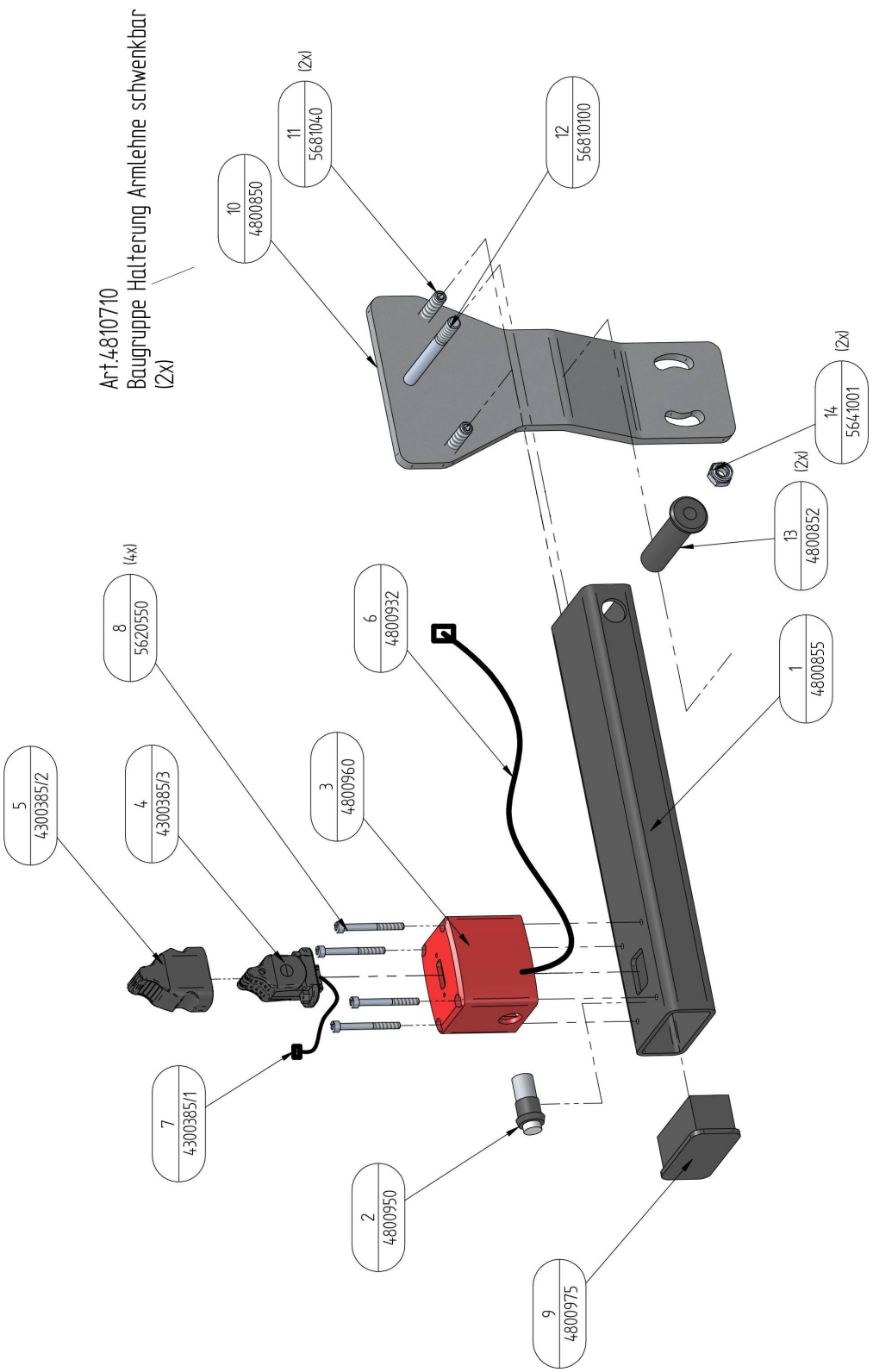
Exploded view „Switch cabinet“



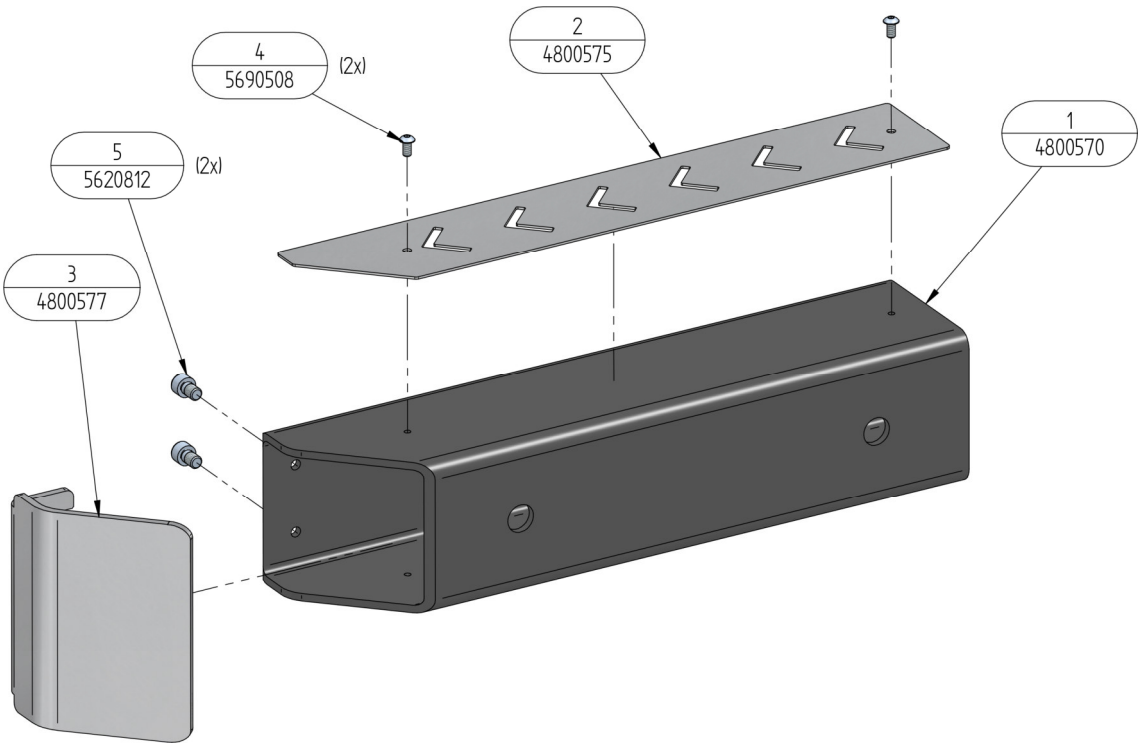
Exploded view „Seat“



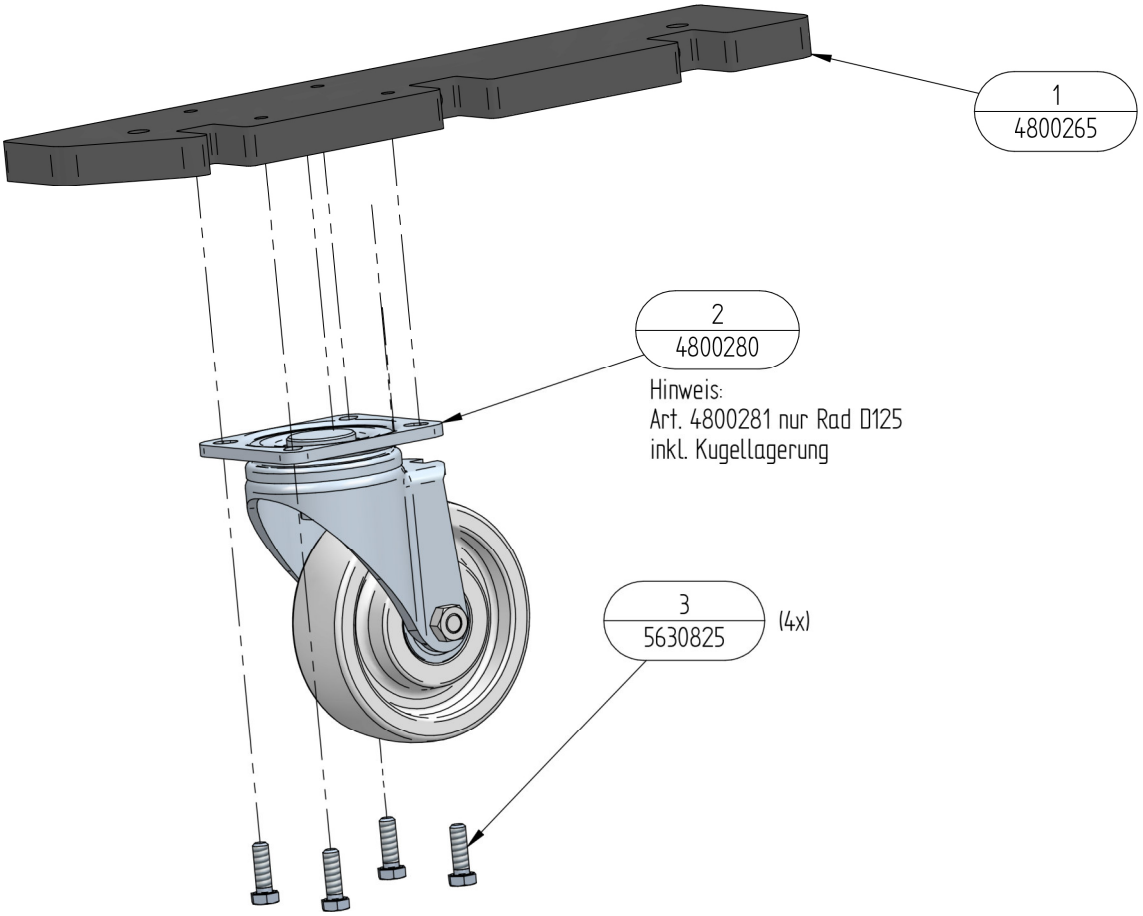
Exploded view „Armrest“



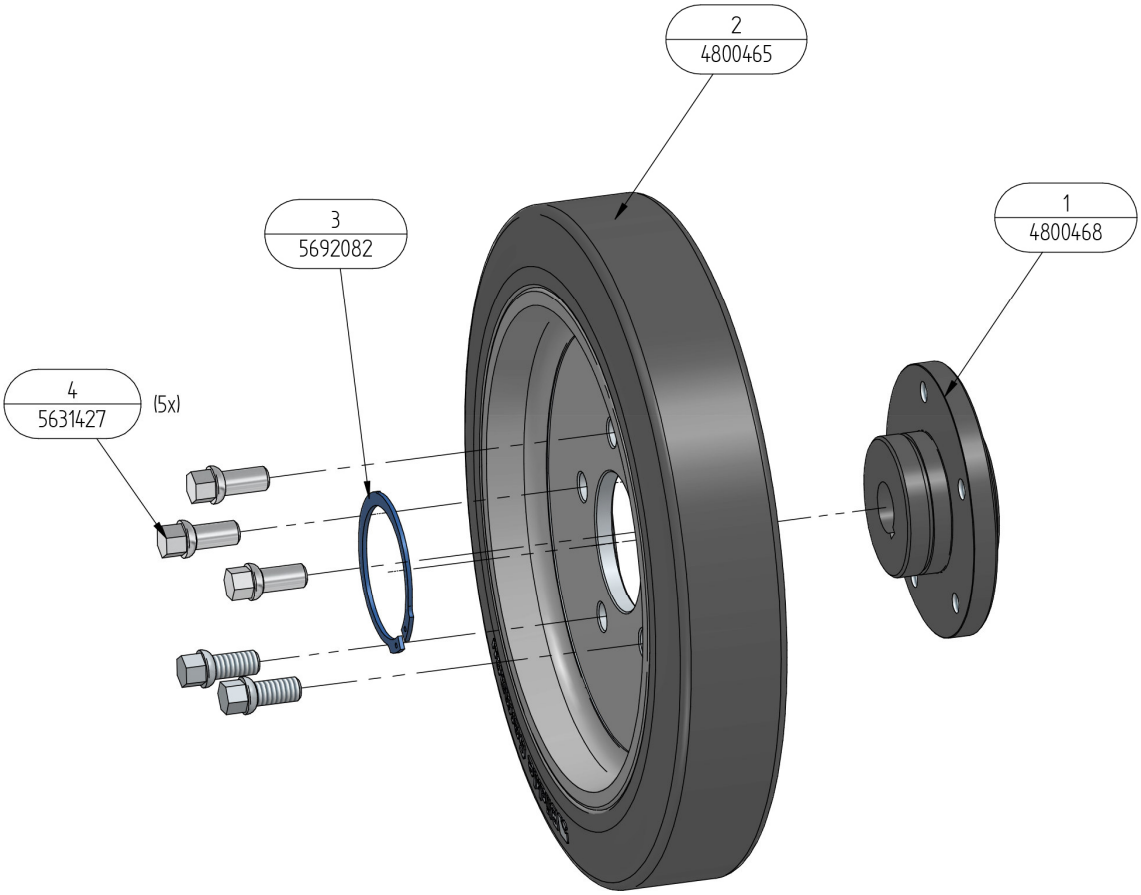
Exploded view „Running board“



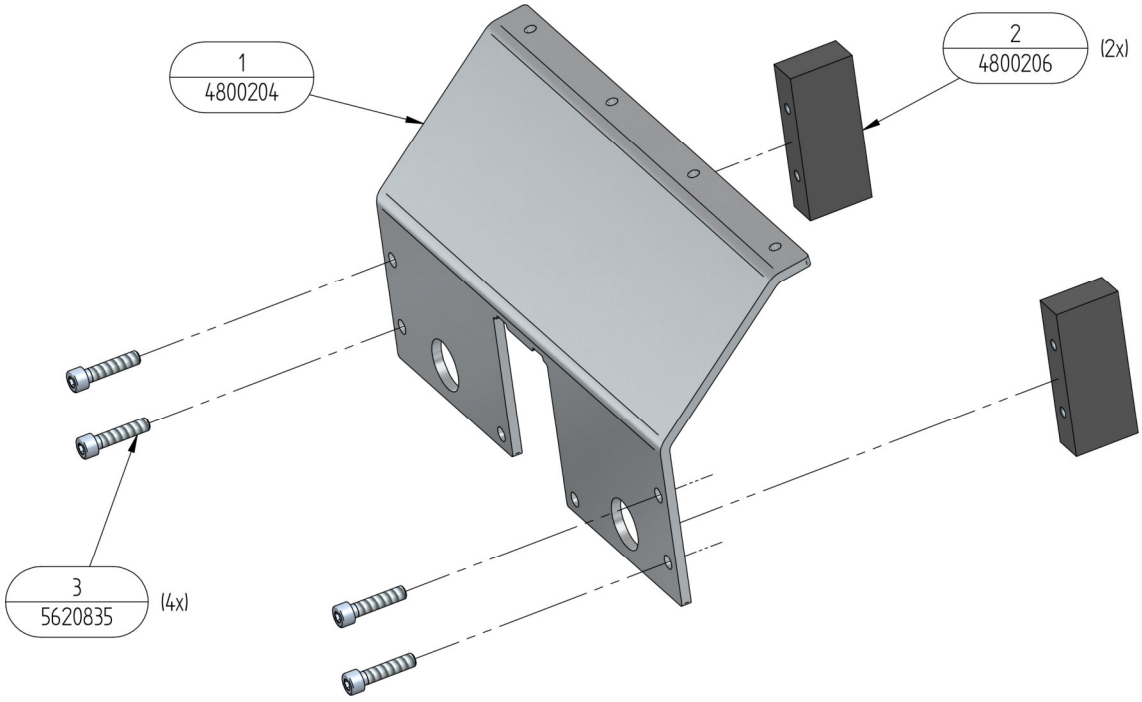
Exploded view „Steering wheel“



Exploded view „Drive wheel“



Exploded view „Deflector“



10 Guarantee and liability

ROLL ensures a guarantee and liability are in accordance with our currently valid general business and sales conditions. The guarantee runs out after 12 months from purchase date.

We reject any guarantee claims for tools which are not in their original condition, or for altered or changed tools or which are not used in accordance to the intended use.

We guarantee free maintenance of this machine when getting carriage paid, in case of damages due to manufacturing defects or material defects; provided that the machine is correct used and not changed or altered. Wearing parts are not under warranty.

The guarantee claim expires:
- In case of damages caused by improper operation and utilization other than intended use.
- In case of incorrect assembly, intervention of unauthorized persons or utilization of accessories or replacement parts that are not ROLL original parts

We strongly recommend the use of genuine ROLL spare parts and accessories even after expiration of the warranty period. This is the only way to ensure an impeccable operation of your machine.

Note!
*Check the shipment in order to ensure that it is complete in accordance with the chapter 3 „**Scope of delivery**“, and inform your dealer immediately, should any shipment be incorrect.*