TWIN BUSCH GERMANY

2-POST-LIFT
TW242CEB4.3-G
(Lifting capacity: 4200 kg)

TW242CEB4.3-G

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Always read these operating instructions carefully before operating the lift. Follow the instructions carefully.

Table of contents

Further attachment:

- **EU Declaration of Conformity**

Important Information:

ASSEMBLY

You can find the assembly video for this lift on YouTube: **https://youtu.be/Ffvh4YWtZeg** or scan the QR code.

TIPS & TRICKS

In the "Tips & Tricks" section we show you simple solutions to work even more efficiently with your TWIN BUSCH® products.

https://www.twinbusch.co.uk/Tips-Tricks:_:74.html

24/7 Service Center:

Our 24/7 Self-Service Center is a mobile website designed for self-diagnosis of issues with your TWIN BUSCH® lift. Here, we provide an extensive video collection covering a wide range of relevant topics for your TWIN BUSCH® lift, from fine-tuning and maintenance to component replacement.

With the 24/7 Self-Service Center, you have a versatile tool at your disposal to learn how to independently maintain and repair your TWIN BUSCH® lift.

To access the site on your mobile device, please visit twinbusch.com/qr or scan the QR code provided alongside.

For TWIN BUSCH® lifts shipped from mid-2020 onwards, you'll also find the QR code on a sticker attached to the control box.

1. General information

The Comfort-Line lifting platform TW242CEB4.3-G is well equipped and therefore ideal for professional use in workshops.

It has an automatic release of the safety latch and a two-stage height-adjustable turntable with a swivelling height of only approx. 85 mm. In addition, the lifting platform has three-part telescopic support arms for a large support area.
Depending on the type of vehicle you will be lifting, the columns can be mounted either symmetrical or asymmetrical.

The asymmetrical design allows for optimal door opening clearance for cars with low door positions, while the symmetrical design offers more space between the columns for wider vehicles. You can choose between 2872 mm and 3016 mm drive-through width.

The height of the lift can be individually selected depending on the ceiling or vehicle height, with options between 3867 mm and 4300 mm.

For ease of use, the lift is equipped with an additional control box, so the TW242CEB4.3-G can be operated from either side. It also has an anti-lift-up button that allows the lift to be lowered precisely without first having to raise it automatically.

On the outside of each column, there is a practical holder for plug-in adapters, which offers space for the secure storage of two plug-in adapters at a time.

Special features of the product:

- 1A Quality built with CE-Certificate
- Manufactured in accordance to ISO 9001
- Anti-Lift-Up-Button
- Control box on both columns, operation possible on both columns
- Can be set up symmetrically or asymmetrically
- 3-part telescopic support arms
- Only approx. 85 mm swivelling height
- Protective cover in front of the columns
- Automatic safety locking and unlocking
- High-quality supporting columns made of special rolled profile
- 2 hydraulic cylinders for powerful lifting and lowering
- Automatic support arm locking device
- Synchronised control using wire ropes
- With symmetrical assembly, the passage width (between the pillars) can be selected between 2872 mm and 3016 mm
- Post lift height can be selected between 3867 mm and 4300 mm depending on the ceiling or vehicle height
- Practical plug-in adapter holders (one holder on each side of the column) for two plug-in adapters each
- Includes motor cover (Stylish design, dust protection and noise-dampening effect)

2. Identification of the operating instructions

Operating instructions TW 242CEB4.3-G

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Status: -03, 28.11.2025

File: TW242CEB4.3-G_2-Post-Lifts_Manual_uk_03_20251128.pdf

3. Technical data

Lifting capacity CE	4,200 kg
Max. lifting height	1900 mm/Ad 2080
Low lifting point	85 mm
Lifting and lowering time (approx.)	approx. 35/40 sec.
Power supply	400 V / 3 phases
Motor power	3.5 kW
Fuse protection	16 A (C/slow)
Weight	700 kg
Lifting height (turntable turned in)	1900 mm
Lifting height (turntable extended)	1960 mm
Lifting height (plug-in adapter + rotary plate removed)	2060 mm
Safety release	automatic
Total width/base plate (without motor)	373
Post height	3867 mm or 4300 mm
Lifting arm length / long	615 - 1150 mm
Support arm length / long (approx.)	745 - 1345 mm
Width between posts	2872 mm or 3016 mm
Max. height	3718 mm or 4151 mm
Max. width	2545 mm or 2689 mm

4. Modification of the product

Improper use, modifications, conversions and attachments of the post lift and all its components that have not been agreed with the manufacturer are not permitted. The manufacturer accepts no liability for improper installation, operation or overloading. Improper use also invalidates the CE certification and the validity of the certificate.
If you require any changes, please contact your dealer or the expert staff at TWIN BUSCH® GmbH beforehand.

5. Safety-related information

Read the operating instructions carefully before using the post lift. Keep the instructions for future reference. Follow the instructions carefully to achieve the best performance from the machine and to avoid damage caused by personal negligence.

Unpack all parts and check that all components are present using the packing list.

Check all connections and components thoroughly for damage. The post lift may only be put into operation if it is in a safe operating condition.

5.1 Safety instructions

- Do not install the post lift on an asphalt surface.
- Read and understand the safety instructions before operating the post lift.
- The post lift is only intended for indoor installation. Do not expose it to rain, snow or excessive moisture. Do not use the post lift near explosives or in open areas with flammable liquids.
- Never leave the control unit when the lift is in motion.
- Keep hands and feet away from moving parts. Pay particular attention to your feet when lowering the lift.
- The post lift must only be operated by trained personnel.
- Unauthorised persons are not permitted in the vicinity of the post lift.
- Wear suitable work clothing.
- The area around the post lift must always be kept free of obstructions.
- The post lift is designed for lifting motor vehicles that do not exceed the maximum permissible weight.
- Always ensure that all safety precautions have been taken before working near or under the vehicle.
- Never remove safety-related components from the post lift.
- Do not use the post lift if safety-related components are missing or damaged.
- Under no circumstances move the vehicle or remove heavy objects from the vehicle that could cause significant weight differences while the vehicle is on the post lift.
- Always check the mobility of the post lift to ensure its performance. Ensure regular maintenance. If any irregularities occur, stop working with the post lift immediately and contact your dealer.
- Lower the post lift completely when it is not in use. Do not forget to disconnect the power supply.
- If you do not use the post lift for a longer period of time, then:
  a. Disconnect the post lift from the power source
  b. Empty the oil tank
  c. Lubricate the moving parts with lubricating oil/grease

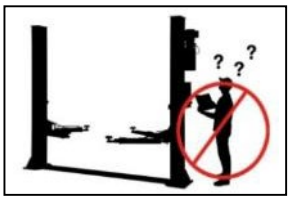
Caution: To protect the environment, dispose of used oil in the prescribed manner.

The optional special mounting adapters must be used to ensure that transporters are lifted safely. These can be found at: www.twinbusch.co.uk

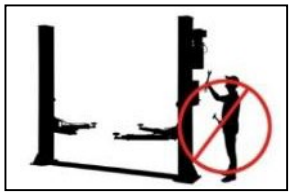
5.2 Warnings and symbols

All warnings are clearly visible on the lift to ensure that the user uses the device in a safe and appropriate manner.
The warning signs must be kept clean and replaced if they are damaged or missing. Please read the signs carefully and memorise their meaning for future use.

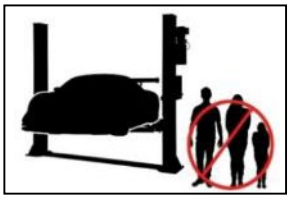
Read Instructions
and safety instructions
carefully before use!



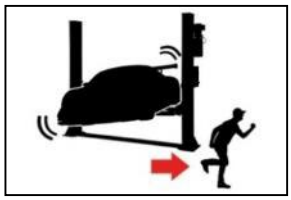
Operation of the lifting platform only by qualified personnel!



Repairs and maintenance only by qualified personnel, never disable safety devices!

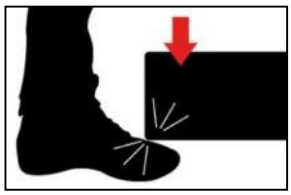


Only qualified personnel allowed in the vicinity of the lifting platform!



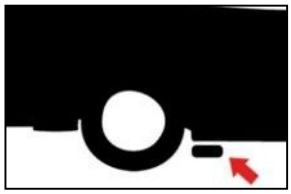
Always keep escape routes clear!

It is forbidden for persons to stand under the lift (when lifting or lowering)!

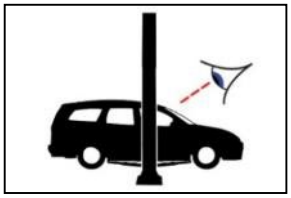


Watch your feet when lowering!
Danger of crushing!

It is forbidden for persons to climb up onto the lift.

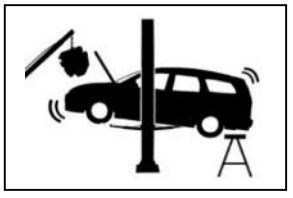


Observe the vehicle manufacturer's mounting points!



After briefly lifting the vehicle a few inches, check that it is securely seated!

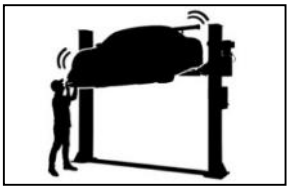
Do not exceed the specified load capacity!



When installing and removing heavy parts the vehicle can tip over!

Never try to load only one side of the lifting platform!

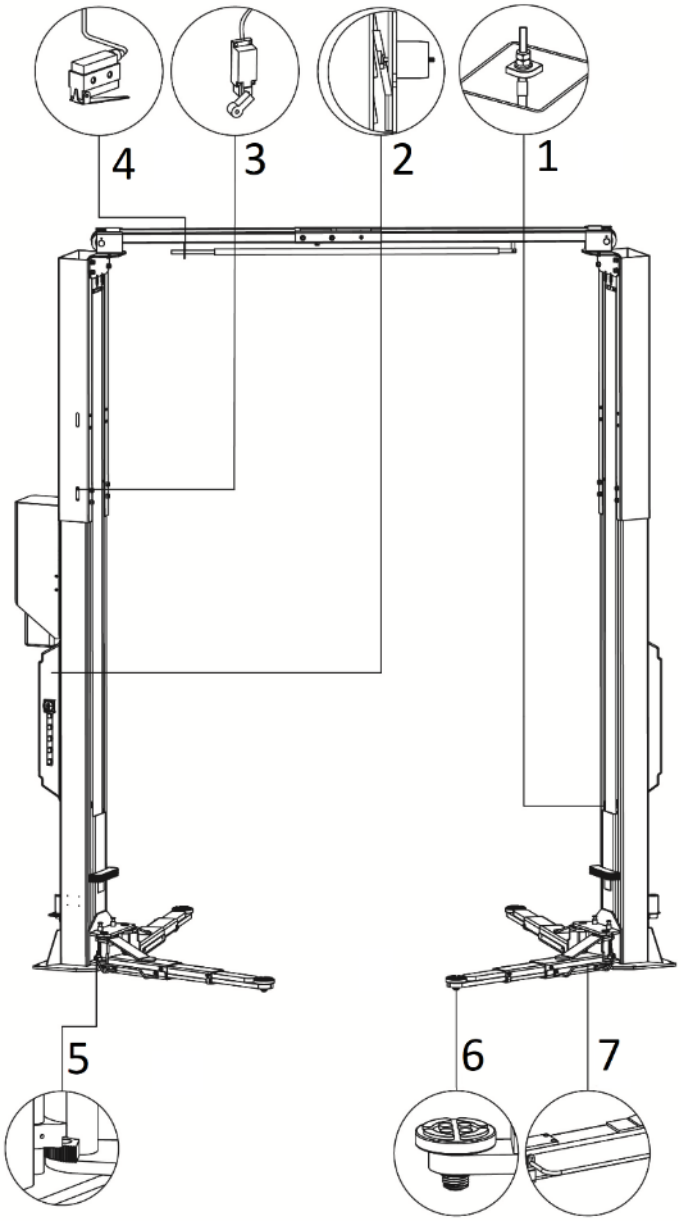
Protect the lifting platform from moisture!
Electrical connections must be dry!



Avoid strong shaking. Avoid shaking the vehicle.

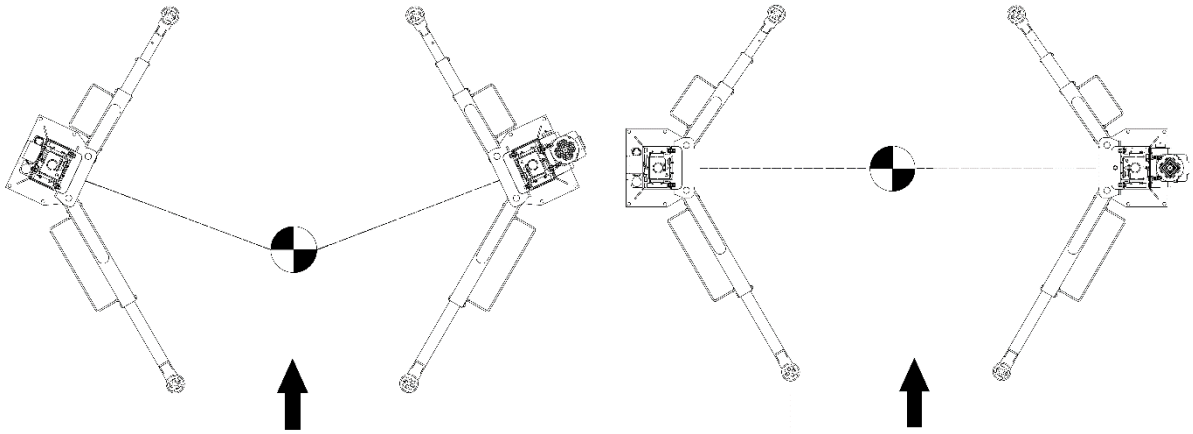
CAUTION!
Electrical voltage!

5.3 Safety precautions



S/N	Description	Function
1	Steel cable	Balance the carraiges on both sides.
2	Mechanical safety interlock	Catches the carrqaiges in the event of a hydraulic failure.
3	Limit switch for maximum height	Stops lifting at maximum height.
4	Limit switch for the roof guard	Stops lifting when the overhead bar is pushed upwards by the vehicle roof.
5	Arm lock	Locks the support arms and prevents them from swinging during the lifting process.
6	Lifting pads	Secure rubber contact with the lifting point of the raised vehicle.
7	Foot guard	Protects your feet from entering hazardous areas that can lead to crushing or shearing.

5.4 Vehicle centre of gravity



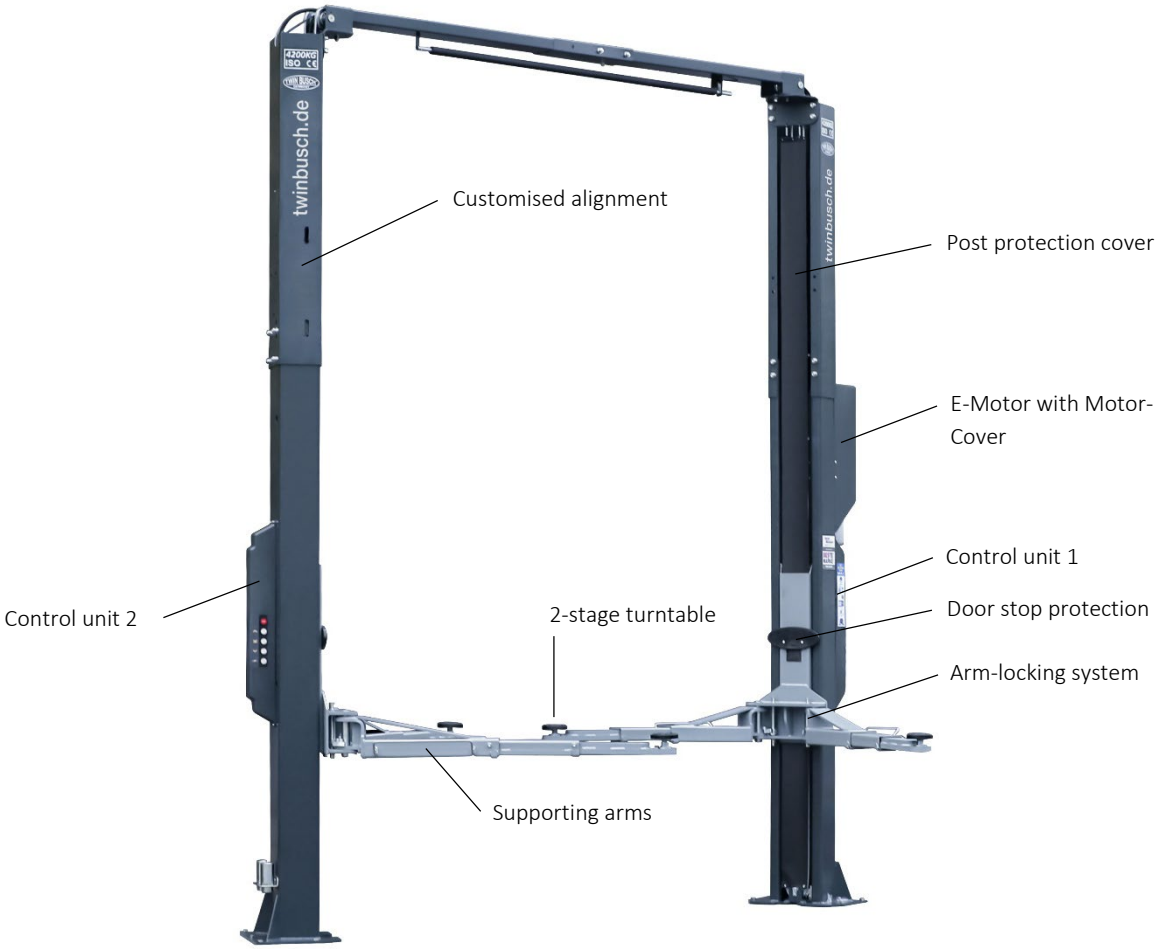
center of gravity

6. Conformity with the product

The TW242CEB4.3-G 2-post lift is CE-certified and complies with the Machinery Directive 2006/42/EC and fulfils the standards EN 1493:2022, EN 60204-1:2018 (see under: EU Declaration of Conformity, at the end of the operating instructions).

7. Technical specification

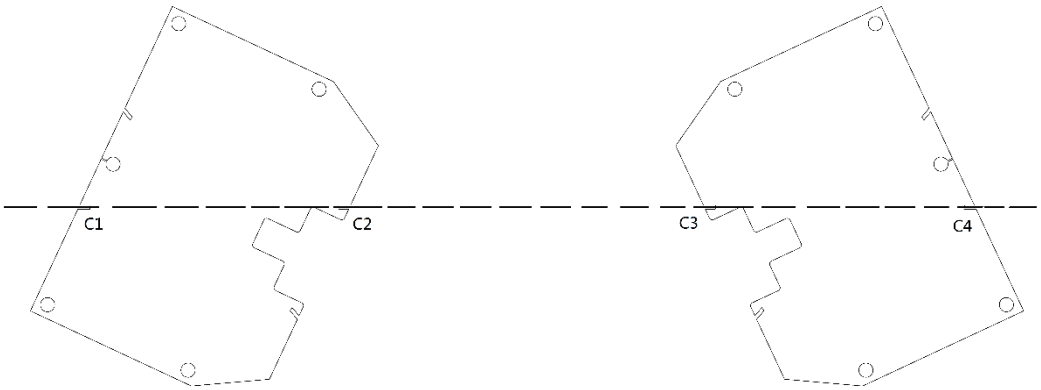
7.1 Machine description

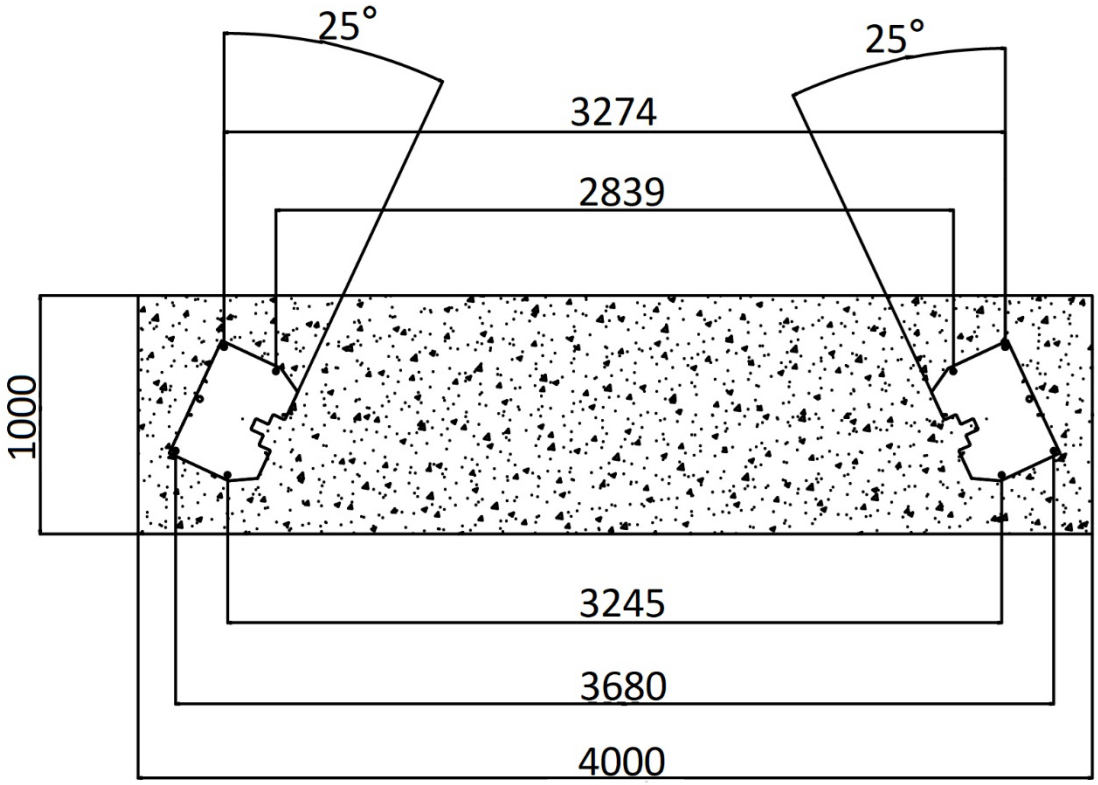


7.2 Column arrangement

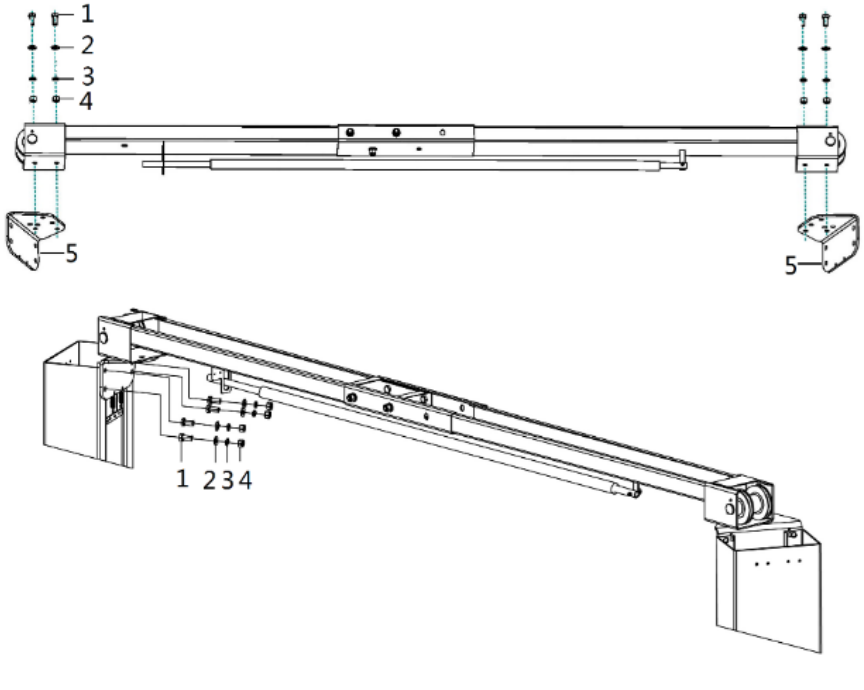
Floor plan for <u>asymmetrical</u> column arrangement:

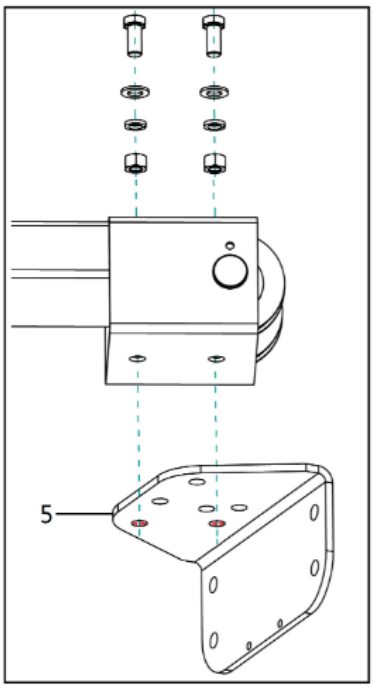
Align the two base plates so that the marking points C1, C2, C3 and C4 are on the same straight line.



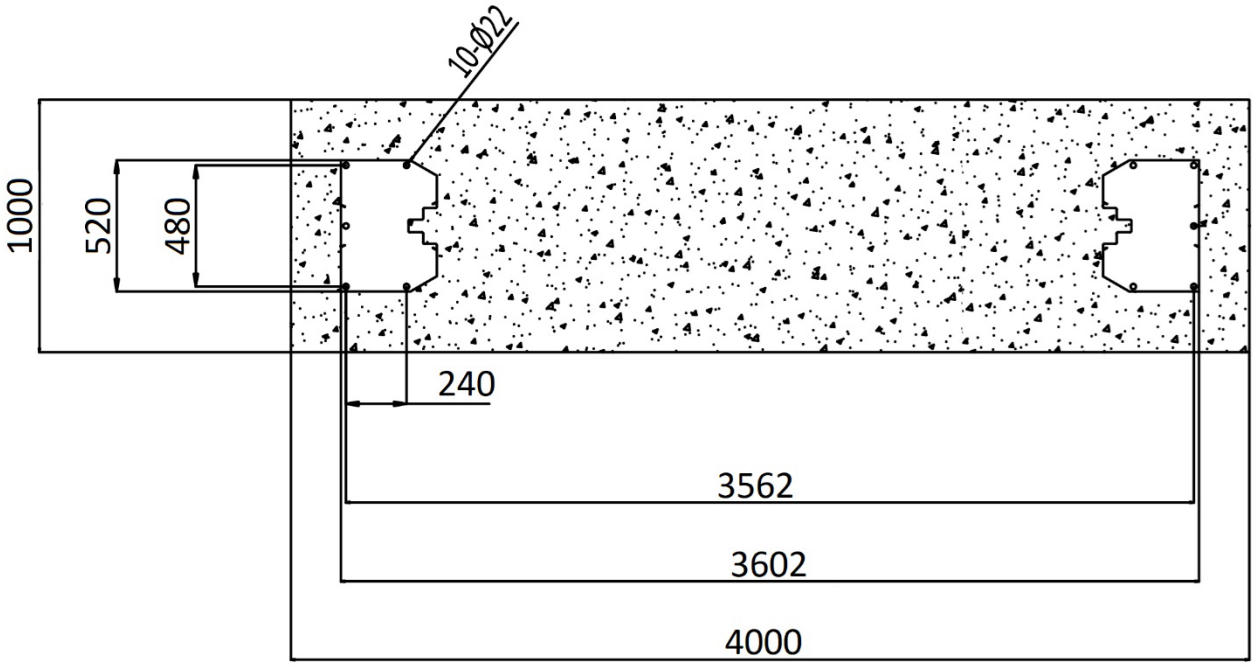


Correct connection position for the <u>asymmetrical</u> column configuration:

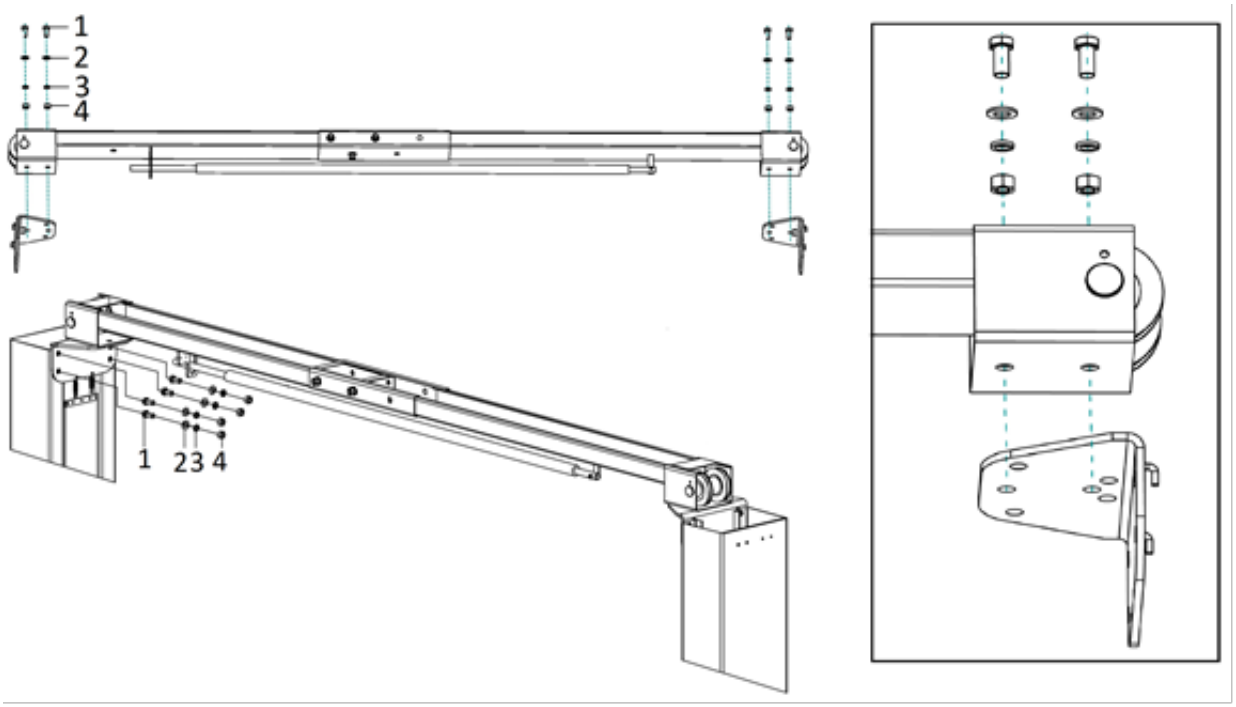




Floor plan for <u>symmetrical</u> column arrangement:



Correct connection position for <u>symmetrical</u> column configuration:



1 Hexagon screw with swivel joint M14*30
2 Washer M14
3 Spring washer M14
4 Hexagon nut M14
5 Connecting part

8. Assembly of the post lift

8.1 Before installation

Tools and equipment required:

- Suitable lifting equipment (e.g. forklift truck)
- Hammer
- Phillips and slotted screwdriver
- Torque wrench
- Spanner attachments and open-end spanners
- Electric drill
- Hydraulic oil HLP 32

8.2 Completeness of all components

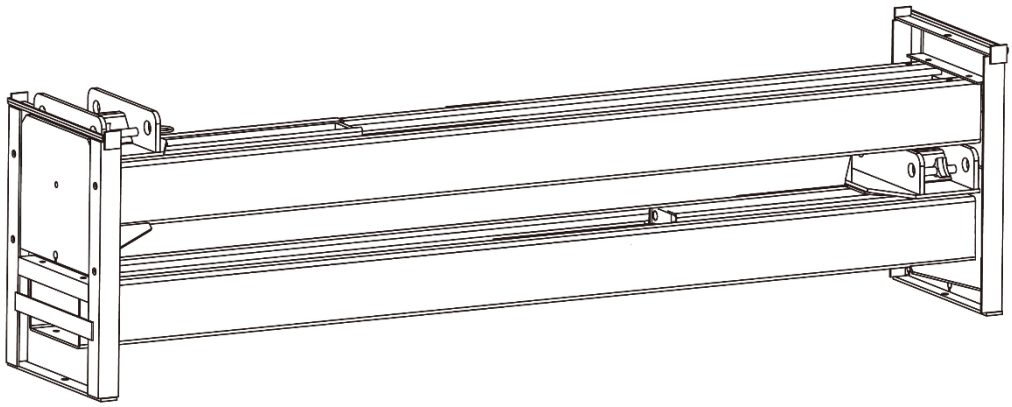
Unpack all components of the lifting platform and check the completeness of all components with the help of the packing list (see appendix: Packing list).

8.3 Ground conditions

The lift must be installed on a solid foundation with a compressive strength of more than 3 kg/mm², a flatness of less than 5 mm and a minimum thickness of 200 mm. Detailed information can also be found in the corresponding foundation plan on our homepage at www.twinbusch.co.uk.

Note: If a new concrete floor is to be poured, it must cure for at least 28 days before a lift can be installed.

8.4 Assembly instructions



1) Remove the upper packages containing the column extensions and the hydraulic unit.

2) Carefully loosen the inner package straps, as individual parts may fall out.
Remove the boxes containing the small parts and set them aside. Read and understand the operating instructions before continuing.

Also set the switch box aside.

3) First, place a support between the two columns or lift one of the columns using a lifting device. Then remove the upper screws from the transport frame.
Caution: Please take special care to ensure that the column cannot fall down. The accessories could be damaged or people could be injured.

4) Position the column at its installation site.
Note: Make sure that the column with the bracket for the motor unit (main column) is positioned correctly, as the switch box with the main switch will be attached there later.

To protect the column from scratches, we recommend placing rubber blocks underneath it when setting it down.

5) Take one of the two column extensions and connect it to the column. Depending on whether you want to assemble the column at full or reduced height, select the first or second holes here. Screw the extensions tightly in place using the eight screws provided.

Illustration: Fastening the column extension

Caution: For safety reasons, we recommend that you attach the connecting plates to the column extensions while they are still on the ground.

6) Now erect the main column. Once you have found the correct position, anchor the column directly into the ground.

a) Drill the holes for each anchor bolt into the foundation using a hammer drill. Drill perpendicular to the ground.
b) Carefully remove any dirt and dust after drilling (by vacuuming and blowing out if necessary).
c) Carefully hammer in the anchor bolts straight using a sledgehammer.
d) Tighten the nuts. **Tightening torque: 100-110 Nm.**

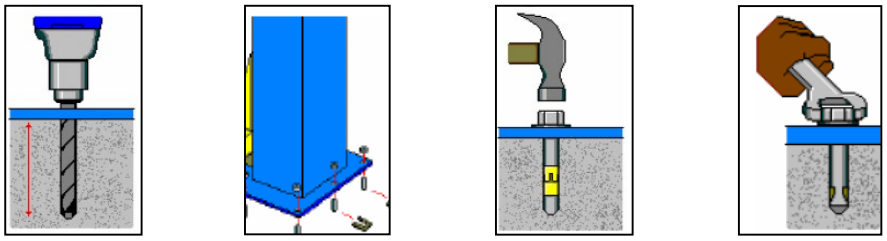
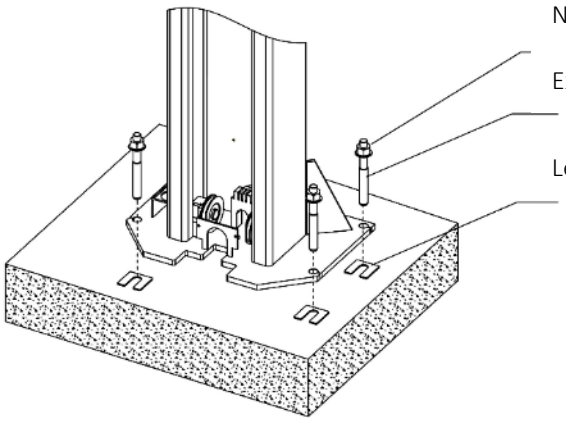
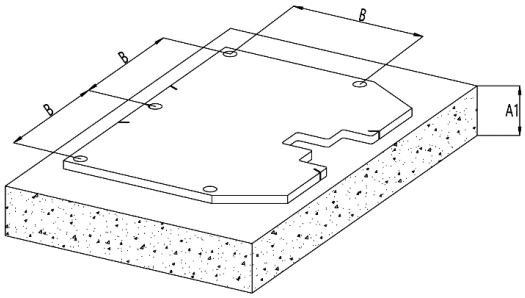
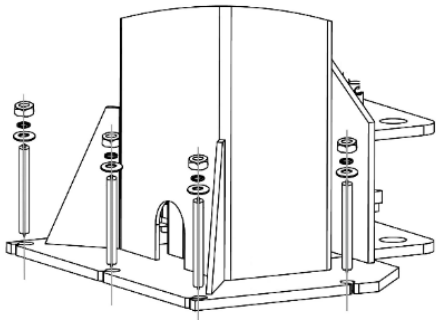


Illustration: Steps for securing the columns







Anchoring bolt	A1 (foundation thickness)	A2 (drilling depth)	A3 (anchoring depth)	B	C
M16	≥200 mm	130 mm	105 mm	240 mm	≤55 mm

7) Remove the transport frame from the assistant column and place it in the designated location. Mount the column extension here as well using the screws provided.

8) Screw the crossbar to the floor.

9) Once both columns are upright, connect the crossbar with the connecting plates and secure them.

Note: The second column should only be anchored to the floor after the crossbar has been fitted and the vertical alignment of both columns has been checked.

10) Use a crossbar lifter, for example, to bring the crossbar into position.
Caution: Make sure to secure the crossbar against falling.
Then screw the crossbar to the two columns on the connecting plate.

Illustration: Screwing the cross member in place

11) Now anchor the support column to the floor.

12) Insert the rod for the circuit breaker into the cross member and screw it tight.

13) Remove the steel cables and the hydraulic hose from the column. One end of the steel cables is already anchored in the carriage.
   a) Screw the four release magnets tightly to the columns.
   b) Hook the catches into the pins of the electromagnets and secure them with the appropriate brackets.

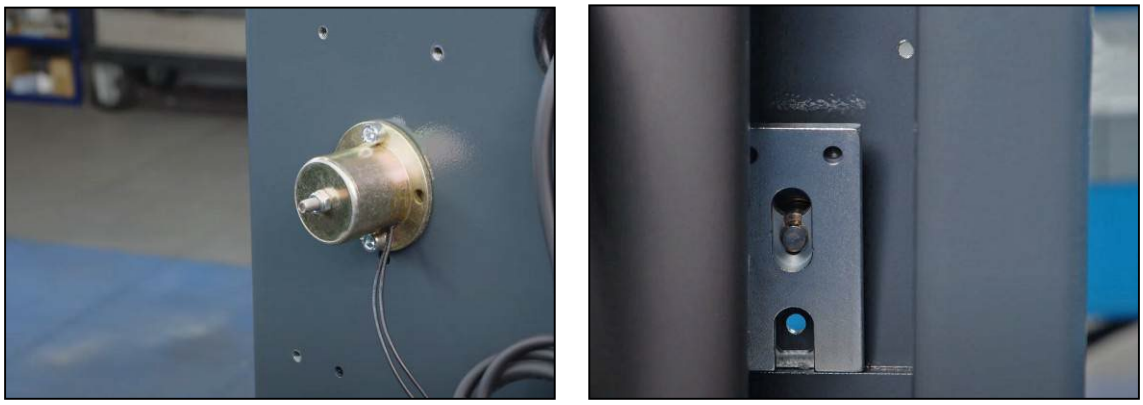


Illustration: Mounting the locking magnets and detents

14) For further assembly, lift the lifting slides into the first locking position.

15) Install the motor unit.
   a) Insert two retaining screws into the upper holes. Secure them with a washer, snap ring and nut.

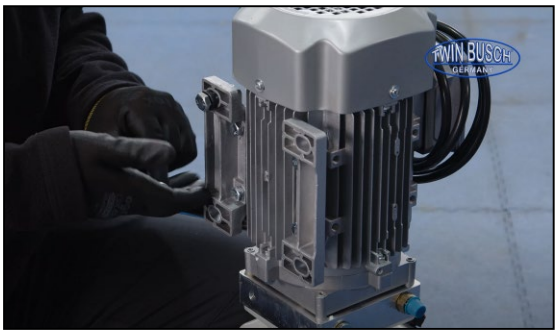
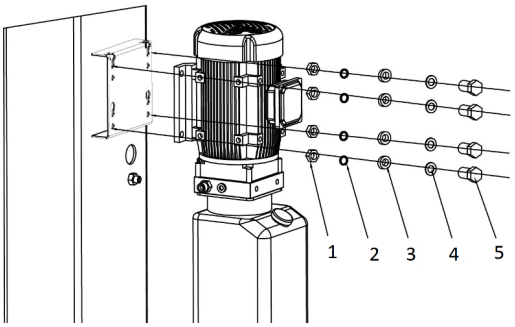


Illustration: Motor unit



1 Hexagonal sleeve M10 **2** Spring washers M10
3 Flat washers M10 **4** Shock-absorbing cushion
5 Swivel screw with hexagon head M10x35

   b) Then hang the motor unit onto the pre-mounted retaining plate on the main column.
   c) Secure the motor unit to the retaining plate with the lower screws.
   d) Insert the motor cable into the column.
   e) Connect the cable of the special socket for the solenoid valve and also feed it into the column. Screw the special socket onto the motor unit.

16) Filling the hydraulic system
The hydraulic oil tank has a capacity of approx. 18 litres. Fill the tank to the maximum mark on the container. **Hydraulic oil type: HLP 32.**

Illustration: Filling with HLP 32

17) Connect the motor unit to the hydraulic system. Guide the pre-assembled T-piece out of the main column and secure it.
Note: Tighten the connection on the hydraulic block carefully before continuing with assembly.

18) Install the supplied hydraulic hose to connect the hydraulic system and the engine block. Tighten the connections securely.
Note: When tightening the hose connections, make sure that the hoses are not twisted.

Illustration: Connection of the hydraulic hose

19) Assembling the control box

a) First, loosely screw the two upper screws into the main column.

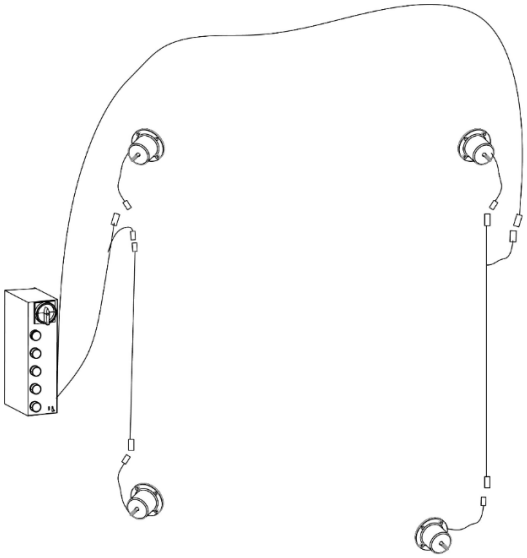
b) Feed the pre-assembled cables out of the column through the hole in the control box.

c) Hang the control box on the column and screw it tight.

d) Connect the electromagnets to the designated connections in the switch box.

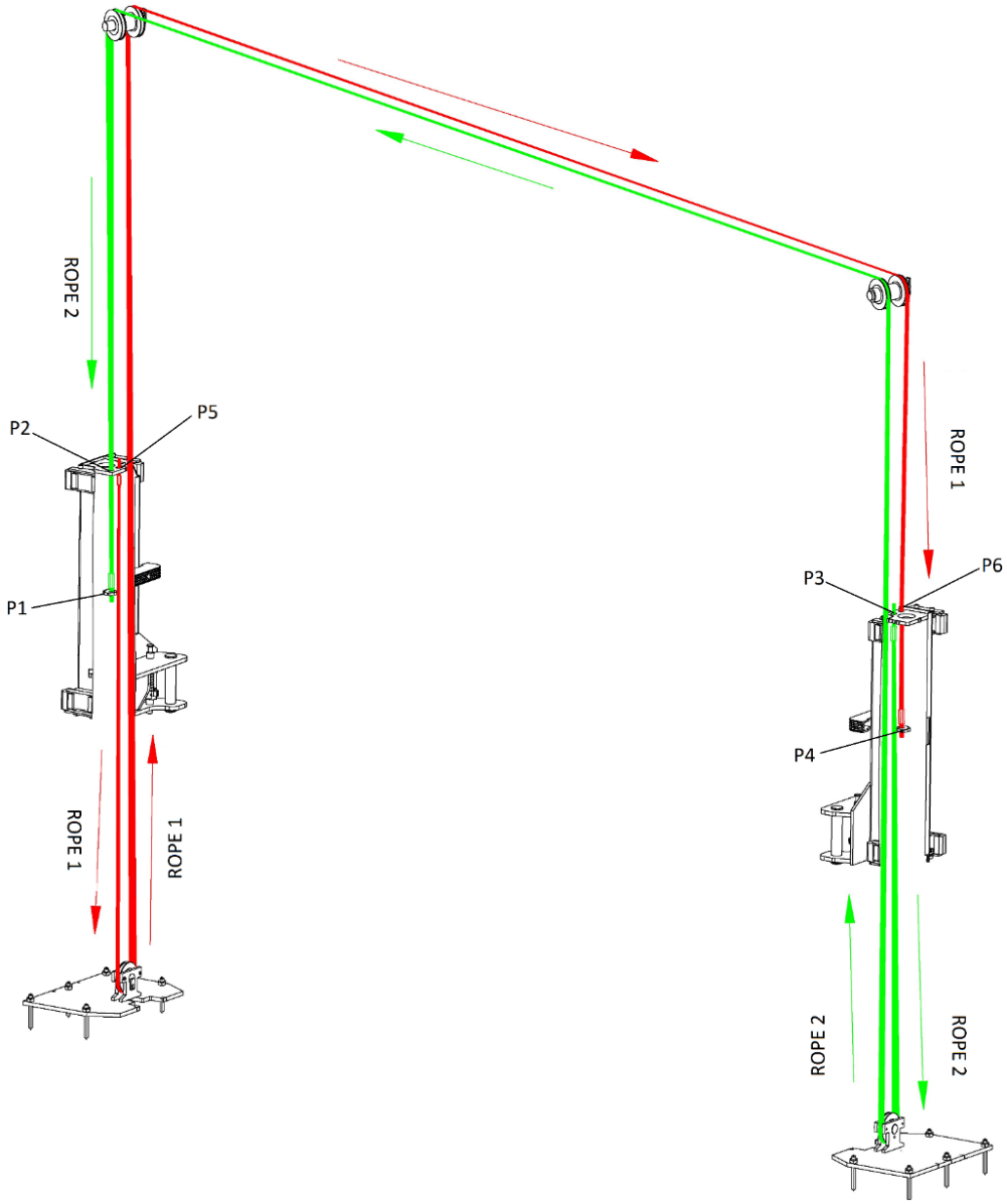
Caution: When connecting the plugs, make sure that the pins inside are not bent or pushed out. This can happen easily!

Illustration: Pins inside the plugs



e) Then mount the second control unit on the assistance column.

20) Lay the steel cables.



a) Remove the nuts and washers from the threaded rods.

b) Guide the first steel cable over the crossbar. There are two deflection rollers in the crossbar. Lay the steel cable over the roller so that the cable runs as vertically as possible in the column and the two sides do not cross later.

c) The cables and hoses are laid through the brackets in the middle of the crossbar so that they cannot rub against the cables. Insert these into the main column one after the other.

Note: Check that the cables, hoses and steel cables run cleanly over the crossbar and do not rub or damage each other.

d) Repeat the same process on the main column.

e) Run the loose control cable for the electromagnetic release over to the assistant side. Run it directly through the cable duct.

Then lay the cable over the hole to the outside and connect the upper electromagnet directly. Use the cable extension to connect the lower electromagnet with the same cable.

f) Cover the openings with the plastic covers provided.

21) Mount the housing of the second control unit on the assistance column.

Illustration: Control unit on the assistance column

22) Install the limit switch for the roof guard.

a) Feed the cable end of the roof protection switch through the opening in the cross member upwards into the main column.

b) Route the cable in the main column through the cable ducts to the switch box.

c) Install the roof protection switch.

d) Feed the cable end through the cable ducts and the opening in the column into the switch box.

23) Connect the hydraulic hose to the upper opening of the T-piece on the main column.
Note: If you are assembling the post lift with the full 4.3 m, extend the hydraulic hose on the assistant side at this point beforehand. To do this, use the extension hose supplied and the appropriate adapter.

Then lay the hoses neatly in the column using the rubber hose clamps.

Illustration: Hydraulic hose and cable laid

Note: If you have decided to set up the post lift lower, you must reattach the steel cables to the carriage so that the cable is shortened by approx. 86 cm.

24) Connect the cables in the switch box (see appendix circuit diagrams).

Illustration: Switch box

25) Briefly pull the threaded rods of the steel cables upwards out of the carriage. For a wide assembly of the post lift, the nuts must be located at the tips of the threaded rods.

Caution: Make sure that the nuts are correctly locked against each other.

Then push the threaded rods back into the carriage. You can now secure the ends of the steel cables from the opposite side with a washer and two nuts at the top of the carriage. Repeat this process on the opposite side.

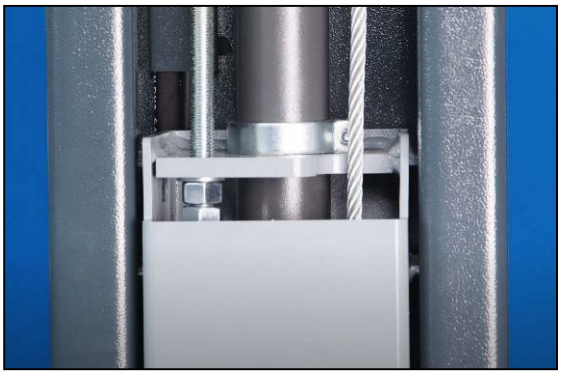
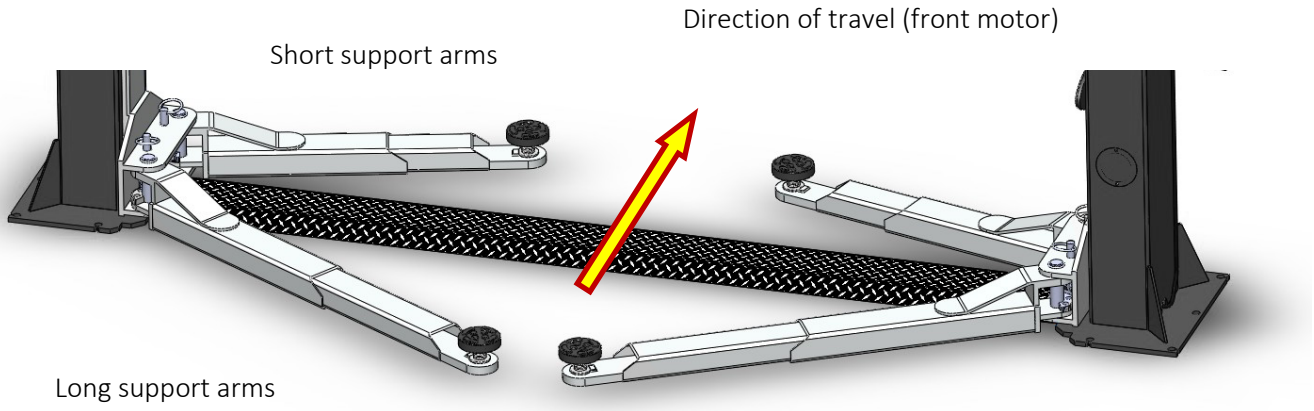


Illustration: Steel cable ends

26) Install the support arms.

a) Insert the support arms into the lifting slides, making sure that the anti-rotation blocks are interlocked.

b) Insert the support arm bolts into the holes provided, as shown in the illustration below. Secure them with a retaining ring.



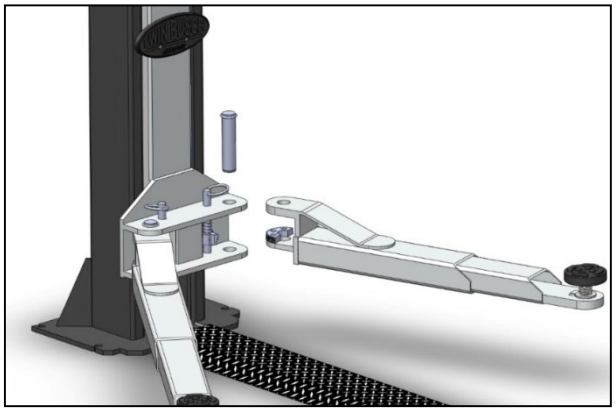
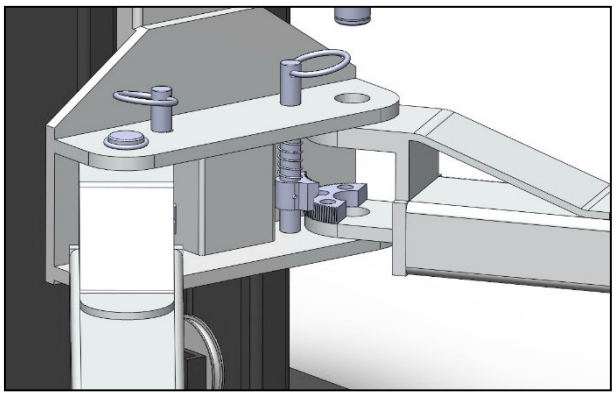
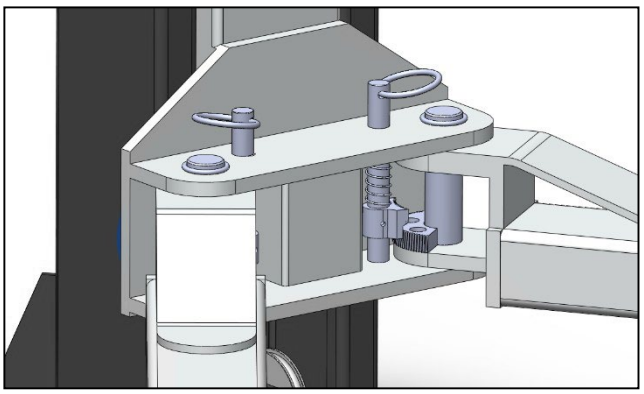


Illustration: Mounting of the support arms





c) Also mount the brackets on the support arms. Make sure that the brackets are mounted so that the screws are at the top.

d) Insert the turntables.

27) Test run

a) Tighten the steel cables on both sides slightly and lock the nuts on the threaded rod. Repeat the same process on the opposite side.

b) Carefully loosen the vent screw above the oil cylinder.

c) Wire the post lift and switch on the main switch on the control box.
Follow the procedure in **section 9, Commissioning**, and make absolutely sure that there are NO vehicles on the post lift during a test run.
Before the test run, check all connections and couplings to ensure that they are working correctly.

d) Raise the post lift slightly to release the pressure on the oil cylinder.
Note: After carefully starting the post lift, some oil may escape from the screw.
Then tighten the screw again.

e) Install the ring for securing the cylinder.

f) After the first run, you may need to top up the hydraulic oil.

28) Install the motor cover.

a) Screw the bracket to the main column behind the hydraulic unit.

b) Then put the cover on and screw it tight with the screws provided.

Illustration: Motor cover

29) Close the switch box with the corresponding cover and screw it tight. **Note: Make sure that the power cable runs through the opening to prevent the cable from being crushed.**

30) Unroll the column protection cover and insert the non-reinforced end through the gap in the slide using a suitable tool.
Note: Make sure that the cover is actually fed through the front slot and not behind it, as otherwise the cover will be damaged during operation.
Screw the cover securely to the bottom of the column. At the top of the column, use the hooks provided to gently tension the cover.

Finally, lock the nuts to prevent them from accidentally coming loose.

Illustration: Mounting the column protection cover

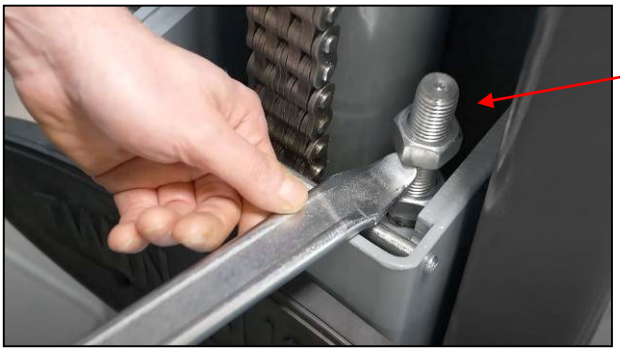
31) Install the door stop protection and the bracket for the plug-in adapters.

Illustration: Door stop

Illustration: Bracket with plug-in adapter

32) Adjusting the cable tension

a) Loosen the lock nut slightly on both sides.



Here you will find the thread and lock nut for adjusting the steel cable tension

Illustration: Cable tension

b) Use a tyre lever to retighten the cables. Move the post lift to the "Lock" position. Start tightening at the point where you first heard a clicking sound when raising the lift.

c) As the cables are connected to each other, tensioning one side will automatically tension the other side.
Now raise the post lift and listen for the safety catches to click. When the catches click simultaneously, the optimum cable tension has been achieved.

d) Finally, tighten the nuts on both sides again.

Note: We recommend lightly oiling or greasing the cables after adjustment to ensure smooth running over the cable rollers.

8.5 Assembly checklist

S/N	Check	YES	NO
1	Screw torque of the floor expansion bolts: 100-110 Nm.		
2	Increasing speed ≥20 mm/s		
3	Noise at nominal load ≤75 dB(A)		
4	Earthing resistance: Not greater than 4 Ω		
5	Height difference between the two slides ≤5 mm		
6	Mechanical locks are robust and synchronised when running at rated load?		
7	All control buttons function as "hold to execute"?		
8	The limit switches work well?		
9	The earthing cable is connected?		
10	The carraiges lift and lower gently?		
11	There are no abnormal noises when running under load?		
12	No oil leaks when the motor is running under load?		
13	The expansion bolts, nuts or circlips are well secured or tightened?		
14	The maximum lifting height can be reached?		
15	Is the steel cable lubricated?		

9. Commissioning

9.1 Safety precautions

a) If the safety devices are defective or show abnormalities, the lift must not be put into operation under any circumstances!

b) Check that all connections of the hydraulic lines are tight and functional. If there are no leaks, the lifting process can be started.

c) Only the operator should be in the vicinity of the post lift during a lifting or lowering operation. Always ensure that there are no persons in the danger zone.

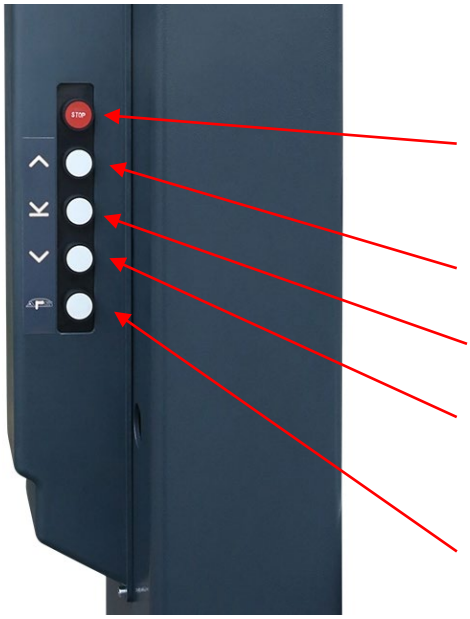
d) Vehicles should always be aligned so that the vehicle's centre of gravity is in the middle between the lift columns. If this is not the case, the lift should not be used. Otherwise, neither we nor the dealer, if any, will accept responsibility for any problems or damage caused.

e) When the desired lifting height is reached and the safety catches are engaged, switch off the power supply to the lift before starting work in order to avoid incidents caused by unintentional operation by other people.

f) Ensure that the safety catches are engaged before starting work on or under a vehicle. No persons may be in the working area of the post lift during the lifting and lowering process.

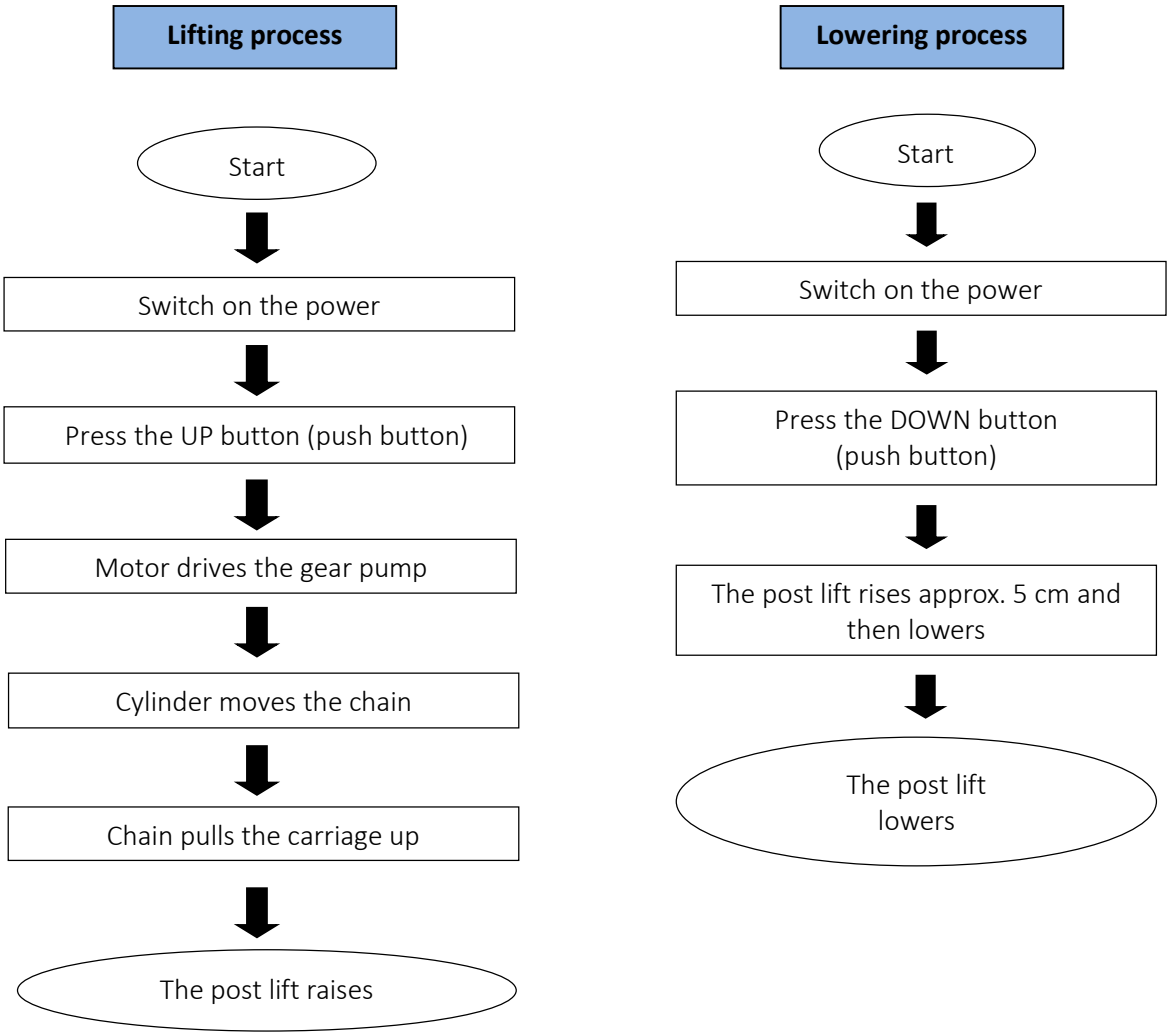
9.2 Description of the control unit (control box)

Description	Function
Main switch	Switch on or off.
Operating light	Indicates whether the device is switched on.
UP button (push button)	Lifts the post lift.
LOCK button (push button)	Lowering into the safety stops.
DOWN button (push button)	Lower the post lift.
APS button	Press the APS button to lower the carriage directly, provided that the lock is not activated.



Description	Function
STOP button	Press to deactivate the control buttons of the auxiliary control. Press it again to reactivate the control buttons of the auxiliary control.
UP button (push button)	Lifts the post lift.
LOCK button (push button)	Lower into the safety stops.
DOWN button (push button)	Lower the post lift.
APS button	Press the APS button to lower the carriage directly, provided that the lock is not activated.

9.3 Lifting and lowering process flow chart



9.4 Operating instructions

9.4.1 Lifting process

1. Read and understand the operating instructions before starting work.
2. Connect the power supply and switch the main switch to ON.
3. Park the vehicle with its centre of gravity between the two columns.
4. Align the support arms of the post lift so that the vehicle's lifting points correspond to the post lift's lifting points. Make sure that the vehicle is correctly positioned.
5. Switch on the post lift and press the "UP" button (push button) on the control unit until the support arms touch the vehicle at the lifting points specified by the vehicle manufacturer and the vehicle has been raised by approx. 10-15 cm. Stop the lifting process and make sure that the vehicle has been lifted correctly and safely.
6. Raise the vehicle to the desired height and press the "LOCK" button to activate the mechanical safety lock. Check the stability again and then carry out any maintenance or repair work underneath.

9.4.2 Lowering

1. Connect the power supply and switch the main switch to ON.
2. Press the "DOWN" button (push button) to move the lifting slides approx. 5 cm out of the safety catches.
3. Once the lifting slides have reached their lowest position, the support arms can be swung out from under the vehicle.
4. The vehicle can now be removed.

9.4.3 APS function

When the mechanical lock is released, press the APS button to lower the vehicle directly.

This allows the raised vehicle to be parked efficiently at the exact height required for chassis maintenance, repairs or gearbox replacement. Without this APS system, it is difficult and time-consuming to park accurately, as the post lift carriage rises every time you lower the vehicle to release the mechanical lock.

10. Troubleshooting

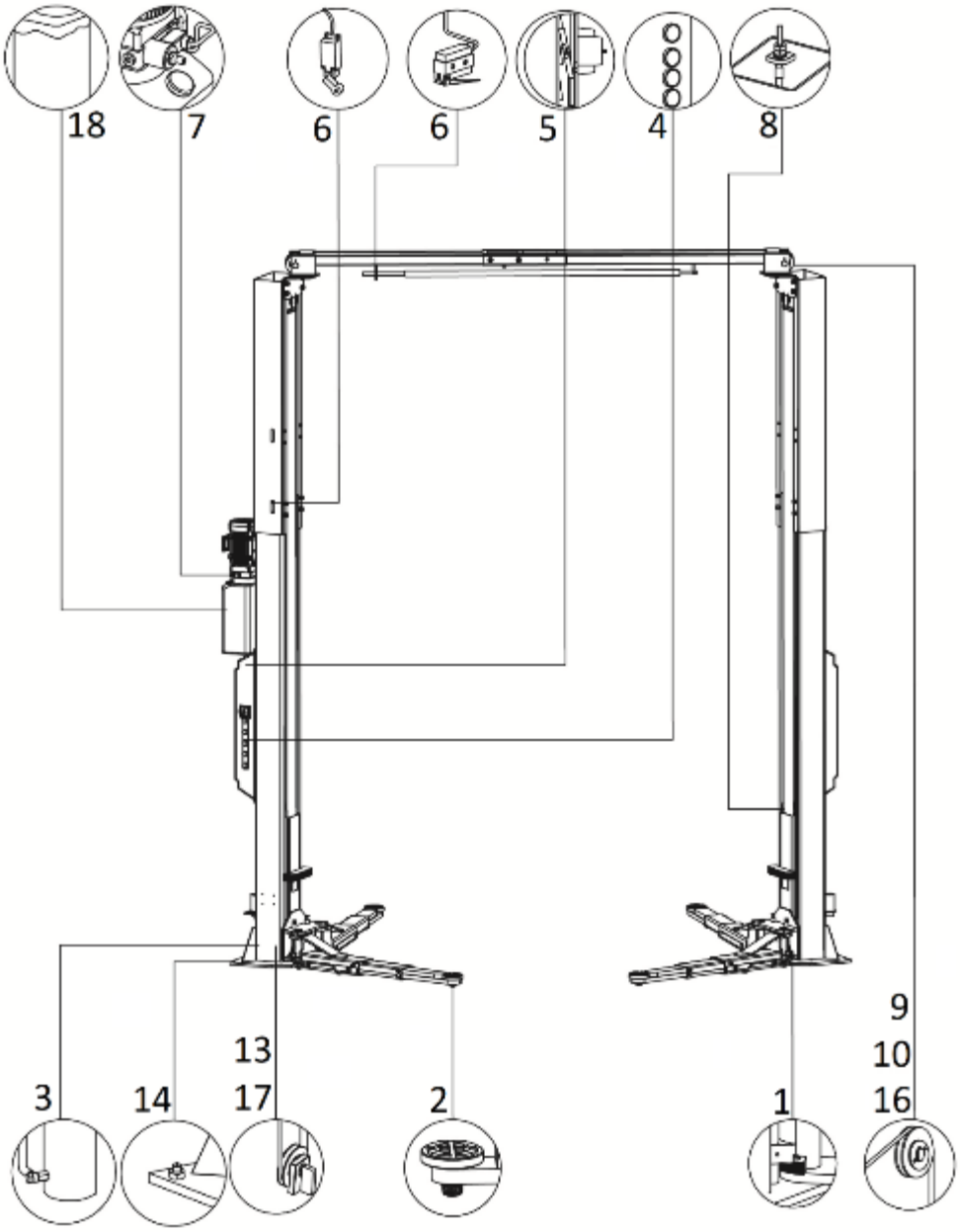
Please note: Do not hesitate to contact the expert staff at TWIN BUSCH® GmbH if you are unable to rectify a fault yourself. We will be happy to help you solve the problem. In this case, please document the fault and send us pictures and a precise description of the fault so that we can identify and rectify the cause as quickly as possible.

The following table lists possible errors, their cause and the associated troubleshooting for quicker identification and self-remedy.

PROBLEM	CAUSE	SOLUTION
Unusual noise.	Wear on the inside of the pillars.	Grease the inside of the pillars.
	Contamination in the columns.	Remove the dirt.
The motor cannot be started, nor does the lift move up.	The cable connections are loose.	Check the cables and reconnect them.
	The motor is defective.	Replace it.
	The limit switch is defective/damaged or the cable connection is loose.	Reconnect the cables or replace the limit switch.
Motor is running, but does not raise the lift.	The motor is running backwards/in the wrong direction of rotation.	Check the cable connection.
	The pressure relief valve is loose or dirty.	Clean or screw it tight.
	The gear pump is defective.	Replace them.
	The oil level is too low.	Top up with oil.
	The oil hose has come loose or is torn off.	Fasten or replace it.
	The damping valve is loose or jammed/blocked.	Clean or fasten it.
The carraiges lower slowly after they have been raised.	The oil hose is leaking.	Check or replace it.
	The oil cylinder/piston is leaking.	Replace the seal.
	The directional valve is leaking.	Clean or replace it.
	The pressure relief valve is leaking.	Clean or replace it.
	Manual or electric drain valve is leaking/dirty.	Clean or replace it.
Lifting too slowly.	The oil filter is dirty or jammed.	Clean or replace it.
	Oil level is too low.	Top up with oil.
	The pressure relief valve is installed incorrectly.	Mount it correctly.
	The hydraulic oil is too hot (over 45°C).	Change the oil.
	The cylinder seal is worn.	Replace the seal.
Lowering too slowly.	The throttle valve is jammed/dirty.	Clean or replace it.
	The hydraulic oil is contaminated.	Change the oil.
	The drain valve is blocked.	Clean it.
	The oil hose is damaged/kinked.	Replace it.
The steel cable is worn.	Not greased during installation or it is worn.	Replace it.

11. Maintenance

Regular maintenance of your lift will ensure a long and safe service life. Suggestions for maintenance intervals and the activities to be carried out are listed below. How often you service your lift depends on the environmental conditions, the degree of soiling and, of course, the stress and load on the lift.



S/N	Component	Method	Period
1	Swivel arm locking units	Press the UP button to raise the support arms and check that the four swivel arms are locked into position.	Every day
2	Lifting adapter	Check that it can be screwed up and down smoothly. Grease the swivel joint if necessary. Check the rubber pads and remove any objects that could cause slippage or damage.	Every day
3	Connections for cylinders and oil hoses	Before using the post lift, check that there are no leaks.	Every day

S/N	Component	Method	Period
4	Control buttons	Check whether the control buttons function as "hold-to-run" and check whether they fulfil the specified function.	Every day
5	Mechanical safety interlock	Check whether both mechanical locks can be effectively engaged and disengaged by pressing the control buttons.	Every day
6	Limit switch	Activate the switch using suitable means and press the UP button to check whether the carriage stops.	Every day
7	Discharge valve	Check whether the valve is leaking. Clean the valve or replace it if it is leaking.	Every day
8	Steel cables	Check the synchronisation of both carriages and adjust the tension of the cables if the asynchronisation is unacceptable.	Every day
9	Bushing of the upper deflection pulley	Lubricate the socket with lithium-based grease NO.1.	Every 3 months
10	Steel cables	Lubricate the rope with NO.1 lithium-based grease. It is recommended to use a new steel cable every 3 years. (Not mandatory if the parts are in good condition) Discontinue use and replace the rope immediately if ten or more wires on a rope are broken.	Every 3 months
11	Running path for carraiges within the columns	Lubricate the path with NO.1 lithium-based grease. No obstacles on the path.	Every 3 months
13	Bush of the lower deflection pulley	Lubricate the socket with lithium-based grease NO.1.	Every 3 months
14	Expansion bolt	Check with a torque spanner. For M16 screws, the torque should not be less than 100-110 Nm.	Every 3 months
	2 post lift	Run the lift for several cycles with and without nominal load. It will run smoothly and quietly without any unusual noises.	Every 3 months
16	Bushing of the upper deflection pulley	Loosen the steel cable and dismantle the pulley unit. Measure the abrasion clearance and replace the bushing if the clearance is greater than 0.5 mm.	Every year
17	Bush of the lower deflection pulley	Loosen the steel cable and dismantle the pulley unit. Measure the abrasion clearance and replace the bushing if the clearance is greater than 0.5 mm.	Every year
18	Hydraulic oil	Change the oil 6 months after the first use and then once a year. Check the hydraulic oil and change it if the oil turns black or if there is dirt in the oil tank.	Every year

If you follow the above maintenance intervals and maintenance activities, your post lift will remain in good condition and damage and accidents will continue to be avoided.

Note: After ten years of operation at the latest, a general assessment of the remaining service life must be carried out by a qualified technician – preferably by a specialist authorised by the manufacturer.

12. Behaviour in the event of a malfunction

If the lift malfunctions, simple faults may be the cause. Use the following list for troubleshooting *).
If the cause of the error is not listed or cannot be found, please contact the expert TWIN BUSCH® GmbH team.
Never attempt to carry out repairs yourself, especially on safety devices or electrical system parts.

*) Points depending on the design and type of the lifting platform

 Work on electrical systems only by qualified electricians!

Problem: Lifting platform can neither be raised nor lowered.

Possible causes	Remedy
No power supply available.	Check power supply.
Power supply interrupted.	Check power supply line.
Main switch not switched on or defective.	Check main switch.
Emergency stop pressed or defective.	Unlock emergency stop, check.
Fuse in power connection has blown or is defective.	Check fuse.
Fuse in the switch box has blown or is defective.	Check fuse.

Problem: Lifting platform cannot be raised.

Possible causes	Remedy
With three-phase current: one phase is missing.	Check power supply.
With three-phase current: Direction of rotation of motor reversed.	Check direction of rotation, change phase if necessary.
Oil pump defective.	Notify TWIN BUSCH® Service.
Emergency drain open.	Close emergency release valve.
Motor is defective.	Notify TWIN BUSCH® Service.
Overload.	Overload valve has opened, reduce load.

Problem: Lift cannot be lowered.

Possible causes	Remedy
Lifting platform sits in safety catches.	Raise platform a little, pull detents, lower.
Lifting platform has moved into limit switch.	If necessary, loosen limit switch, raise 1 cm and lower.
Motor is defective.	Open safety latch and lift over. Lower emergency drain.
Lifting platform has been blocked during lowering.	Raise the lifting platform slightly again and remove the obstacle.

13. Disassembly

The post lift may only be dismantled by qualified personnel. In particular, work on electrical components may only be carried out by qualified electricians in order to avoid the risk of electric shock or malfunction. Similarly, work on hydraulic or pneumatic systems may only be carried out by trained personnel with specific expertise in hydraulics or pneumatics. Compliance with these specifications ensures safe and proper decommissioning of the system.

1) Switch off the system at the main switch (OFF position) before carrying out any dismantling work.

2) Attach a warning sign to prevent the system from being switched back on.

3) Disconnect the power supply.

Caution: Improper dismantling of hydraulic components poses a risk of fatal injury. These components are under pressure (up to 200 bar).
Under no circumstances should you dismantle the hydraulic components (lift cylinders)!
These must always be uninstalled as complete components.
Post lift cylinders should only be disposed of properly by a certified company.

4) Empty the hydraulic oil tank and drain the oil from the hydraulic hoses. Dispose of the hydraulic oil (see 14 Disposal).

5) Remove lubricants and other chemical substances. Dispose of these (see 14 Disposal).

6) Dismantle the supports, crossbars and crossbeams of the post lift.

14. Disposal

In order to inform users how to dispose of the product properly (as required by Article 26, paragraph 1 of Legislative Decree 49/2014), the following is communicated:

The meaning of the crossed-out wheelie bin symbol on the device indicates that the product must not be disposed of with residual waste (i.e. together with "mixed municipal waste"). Instead, it must be disposed of separately so that waste electrical and electronic equipment can be sent for appropriate reuse or treatment. This allows environmentally hazardous substances to be safely removed and disposed of, and reusable raw materials to be recovered and recycled.

14.1 Ecological disposal methods

- Prevent environmental pollution.
- Avoid contact with or inhalation of toxic substances such as hydraulic fluid.
- Oils and lubricants are water pollutants according to the WGH Water Protection Act. Always dispose of them in an environmentally friendly manner and in accordance with the regulations of your country.
- Mineral oil-based hydraulic oils are water pollutants and flammable. Refer to the relevant safety data sheet for disposal.
- Provide suitable oil drain pans and oil binders for draining the oil.
- Ensure that no hydraulic oils, lubricants or cleaning agents contaminate the soil or enter the drainage system.

14.2 Packaging material

Do not dispose of in household waste!
The packaging material contains some recyclable materials that must not be disposed of in household waste. Dispose of the packaging material in accordance with the regulations applicable in your country.

14.3 Oils, grease and other chemical substances

- When working with oil, lubricants and other chemical substances, comply with the environmental regulations that apply to the product in question.
- Dispose of oil, lubricants and other chemical substances in accordance with the environmental regulations applicable in your country.

14.4 Metals/electrical waste

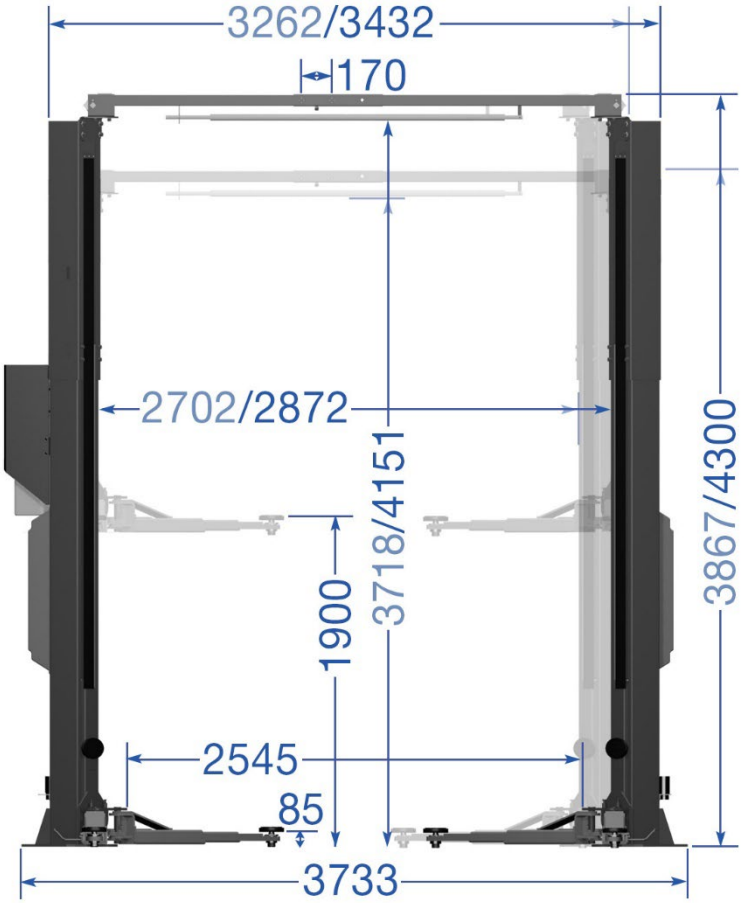
Metals/electrical waste should only be disposed of properly by a certified company.
Dispose of used electrical and electronic equipment, including cables, accessories and batteries, separately from household waste.

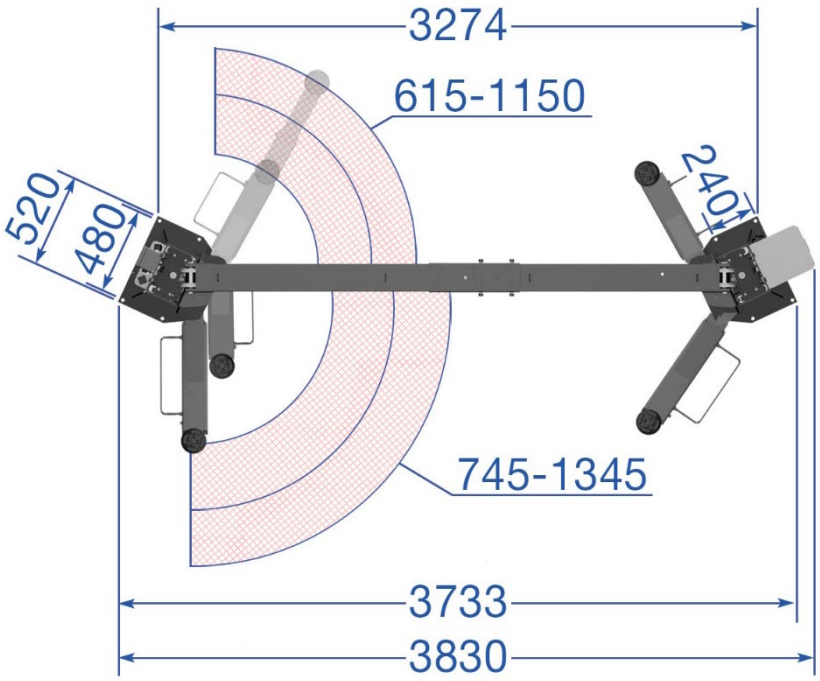
15. Apendix

15.1 Packing list

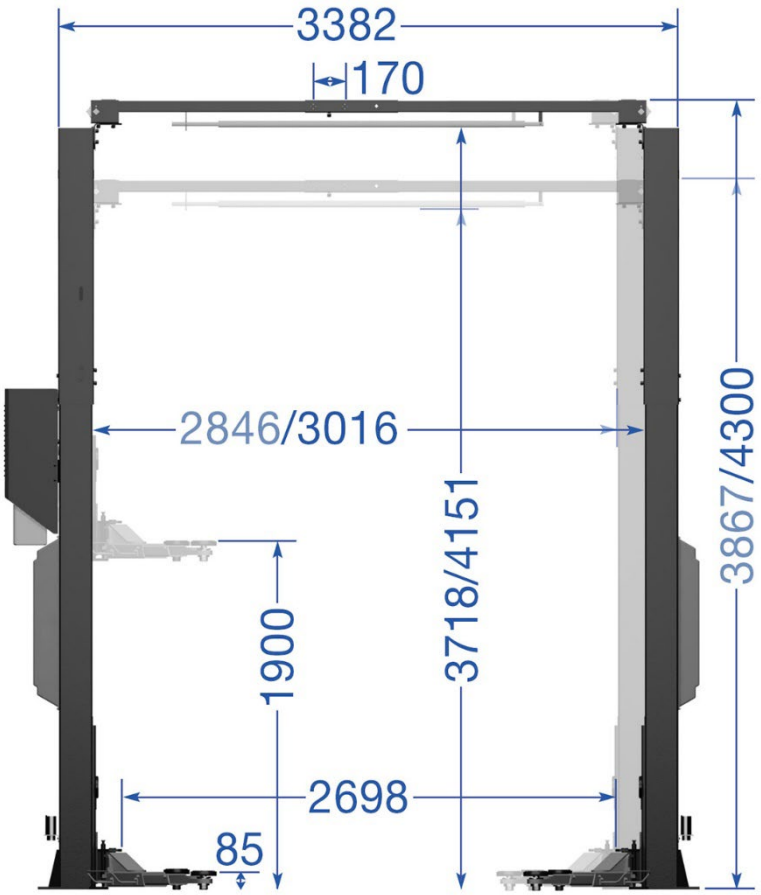
MAIN ASSEMBLY			
S/N	**Name**	**Specification**	**Quantity**
1	Columns	TW242CEB4,3-G	2
2	Column extension	62CV3-A2-B1-C1	2
3	Connecting plate	62C-A21-B3-42T-EA	2
4	External crossbeam	62C-A21-B1-42T-EA	1
5	Internal crossbeam	62C-A21-B2-42T-EA	1
6	Support arms	615~1150,745~1345	4
7	Protective cover 1 Main column	62B-A17	1
8	Protective cover 2 Auxiliary column	62B-A14	1
9	Motor cover	62B-A22-B1-1 s	1
10	Drive	400V-3Ph-50Hz-3,5 kW	1
11	Electromagnet	6254E-A14	4
12	Limit switch Roof protection bar		1
13	Main control unit		1
14	Auxiliary control unit		1
PARTS BOX			
S/N	**Name**	**Spezifikation**	**Quantity**
1	Foot guard for short support arm	L=310 mm	2
2	Foot guard for long support arm	L=420 mm	2
3	Support arm bolt	6254E-A12	4
4	Turntable assembly	6254E-A7-B4-V2	4
5	Height adapter	L=100 mm	4
6	Bracket for height adapter	6254E-A1-B1-C6-V0	2
7	Door stop protection	EEGM	2
8	Column protection cover	L=3440*140 (usable for a total height of 3867 mm)	2
9	Column protection cover	L=3875*140 (usable for a total height of 4300 mm)	2
10	Bracket for motor cover	62B-A22-B2-1	1
11	Hydraulic line	L=320 mm	1
12	Hydraulic line	L=840 mm (only usable for a total height of 4300 mm)	1
13	Plastic protective cover	80X80mm	2
14	Straight connector Hydraulic line	6603B-A9-B8 (only usable for a total height of 4300 mm)	1
15	Mounting bracket for No. 16	6254E-A17	4
16	Safety locking plate	6254E-A13	4
17	Nylon compensation plate	6254E-A19	10
18	Nylon cover	SKT-40	2
19	Hose clamp	D22	2
20	Hose clamp	D20	6
21	Electromagnetic cable clamp	6254-A1-B4	2
22	Hexagon screw	M10X35	4
23	Hexagon screw with swivel joint	M6*35	1
24	Hexagon lock nut	M6-GB889	1
25	Lens head screw with hexagon socket	M8X12-GB70_2	8
26	Cross recess cylinder head screw	M3X30 (Installation)	1
27	Cylinder head screw with hexagon socket	M6*15	4
28	Cylinder head screw with hexagon socket	M6X8-GB70_1	16
29	Hexagon screw	M14X30-GB5783	33
30	Cylinder head screw with hexagon socket	M6X12-GB70_1	8
31	Cross-head screw with hexagon socket	M6X8-GB818	4
32	Cylinder head screw with hexagon socket	M6X12-GB70_1	8
33	Cylinder head screw with hexagon socket	M10X12-GB70_1	8
34	Cross-head flat head screw	M4X25-GB819_1	2
35	Washer	M6	4
36	Tension spring	L=65 mm	4
37	Retaining ring	D38	4
38	Manual		1
39	Sticker Oil tank		1

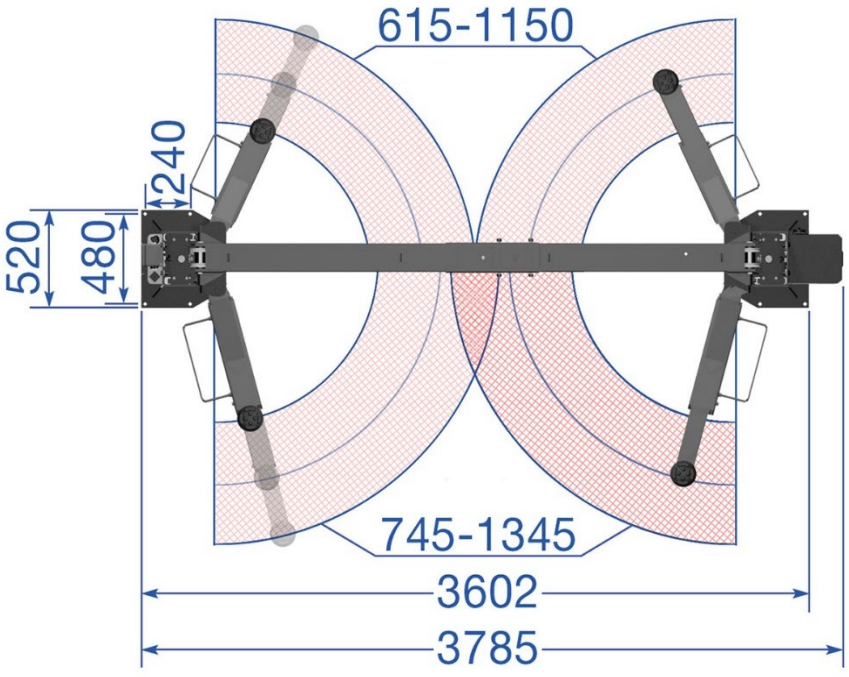
15.2 Dimensions for asymmetrical column configuration with low-profile arms





15.1 Dimensions for symmetrical column configuration with low-profile arms





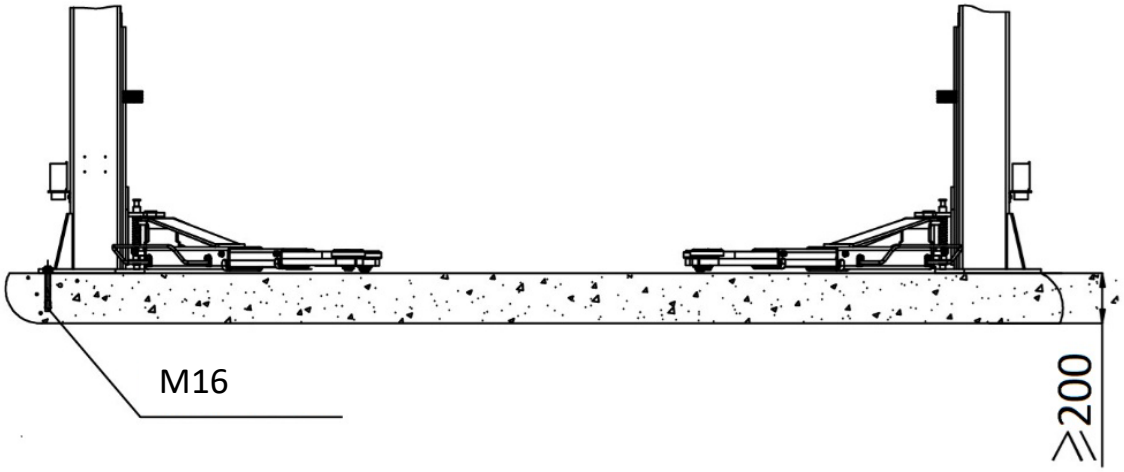
15.2 Foundation requirements and working area

Requirements for the concrete:

- Concrete C20/25 according to DIN 1045-2 (previous designation: DIN 1045 concrete B25).
- The floor must be horizontal and have a flatness of ≤ 5 mm/m.
- Newly poured concrete must cure for at least 28 days.

Foundation dimensions:

- Ideally, the entire hall floor should be made of concrete C20/25 with a thickness of at least 200 mm.



Other requirements:

- The surrounding ground must be suitable for the load, e.g. no sandy soil, etc.
- Reinforcement in the concrete is not mandatory for the proper use of the lifting platform, but is recommended.
- The lifting platform must NOT be installed on ceilings or floors with basements without authorisation. In case of doubt, the foundation should always be designed by a structural engineer; this is mandatory for ceilings or floors with basements.
- If tiles, screed, insulation and underfloor heating are used, please consult our technical department.

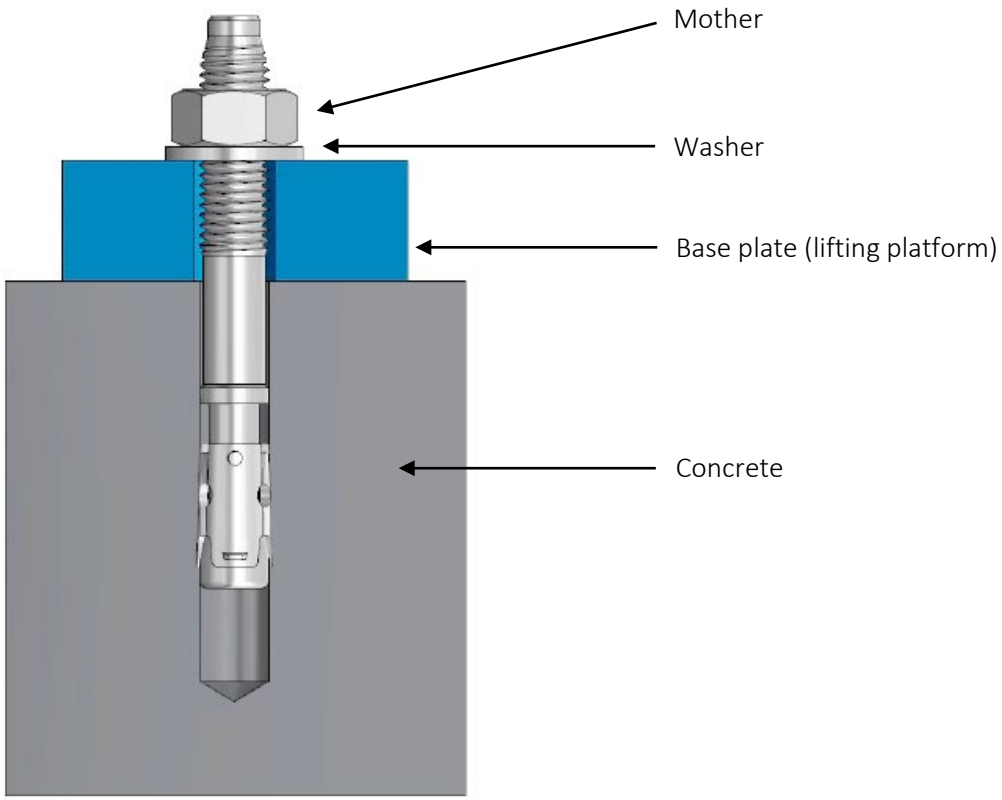
For soil exposed to frost, note the following:

For frost exposure, the concrete must comply with exposure class XF4, as dripping de-icing agent cannot be ruled out.
This results in the following minimum requirements for the concrete when exposed to frost:

Exposure class:	XF4
Maximum w/c:	0,45
Minimum compressive strength:	C30/37 (instead of C20/25)
Minimum cement content:	340 kg/m³
Minimum air void content:	4.0 %
Total foundation depth:	≥ 80 cm (due to frost resistance)
Remainder filled with gravel:	0/32

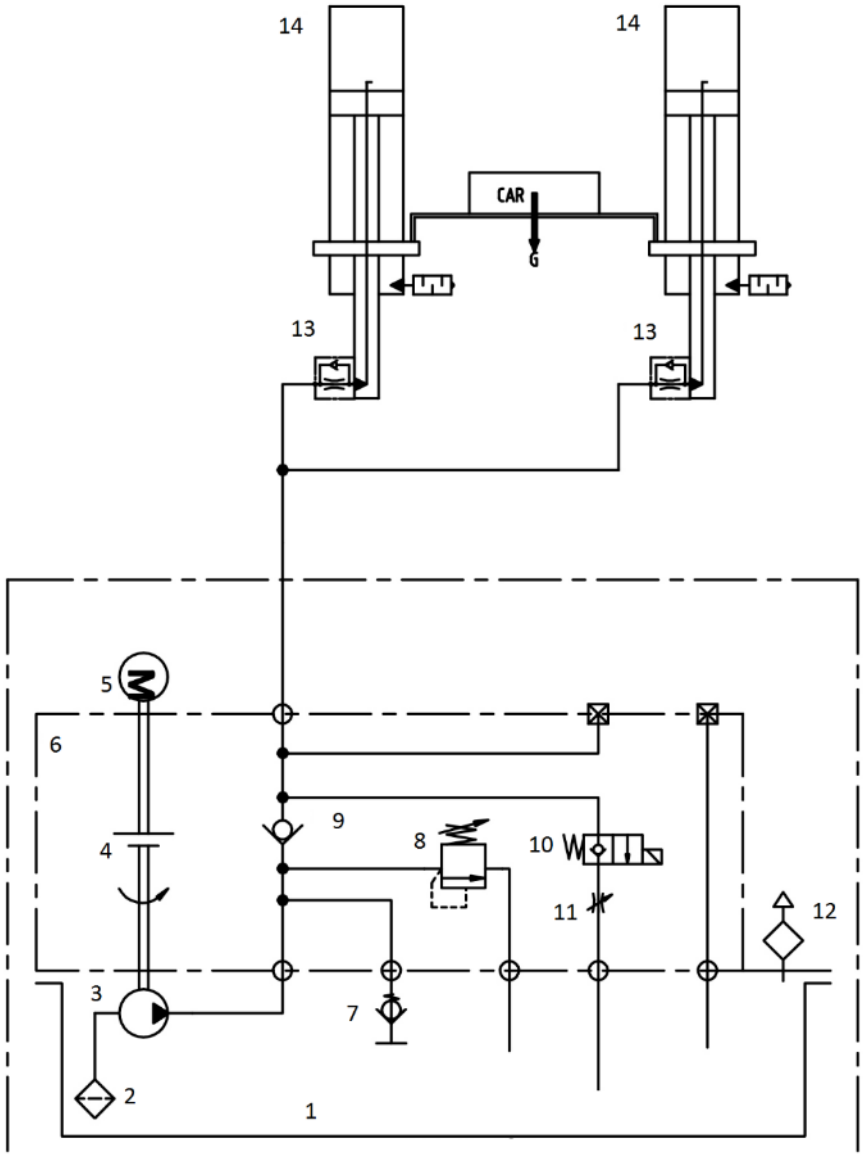
It must be noted, however, that the lifts are not designed for outdoor use (except for galvanised models). The control box is IP54, but the rest of the electrics, motors and limit switches are IP44 at most.

Anchor bolt fastening



The tightening torque of the anchor bolts (M16) is: 100-110 Nm.

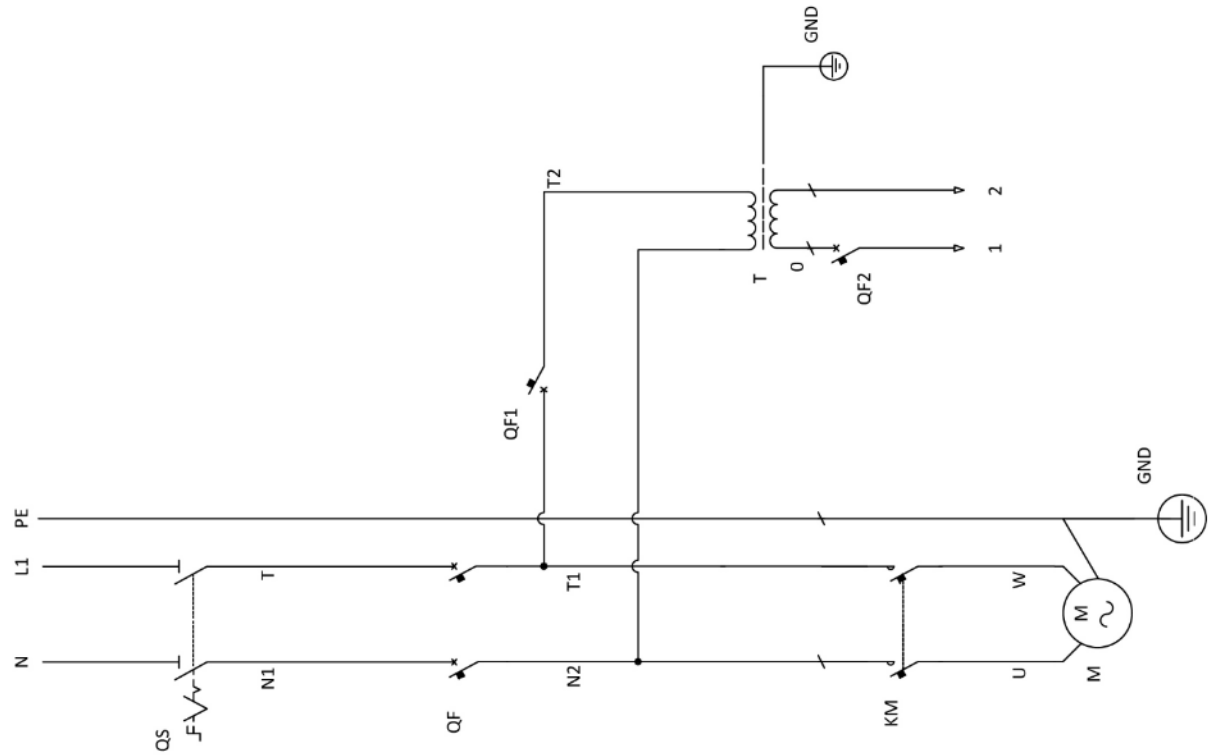
15.3 Hydraulic system

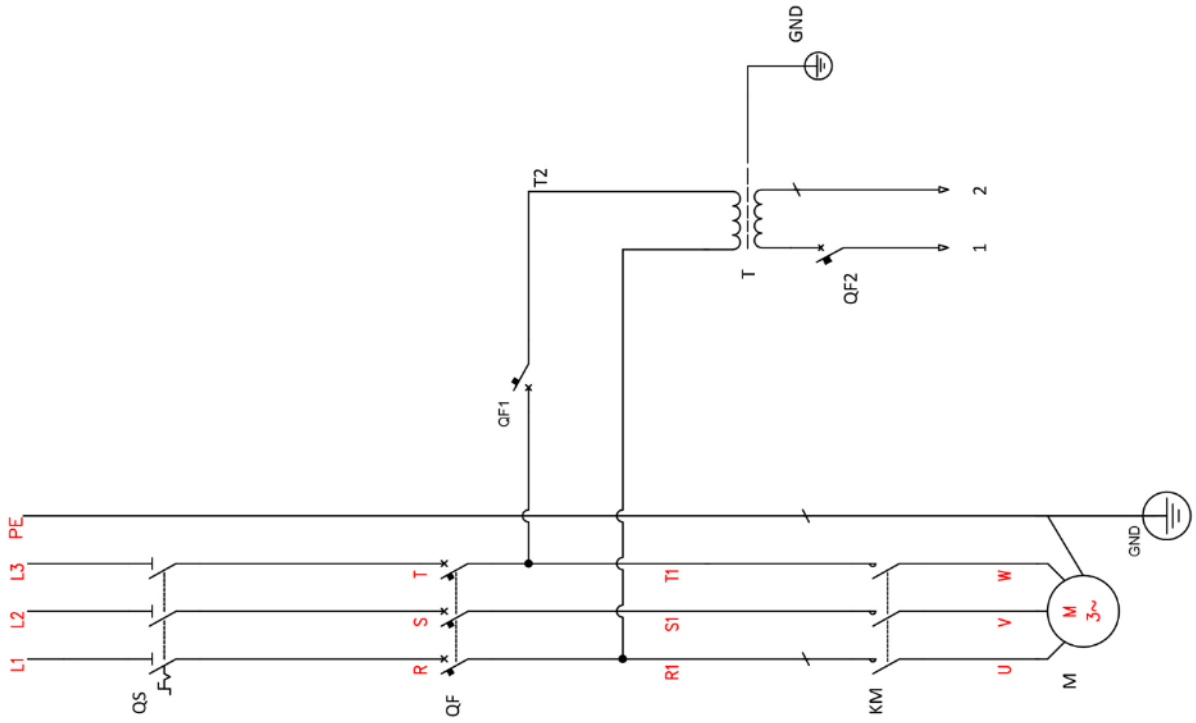


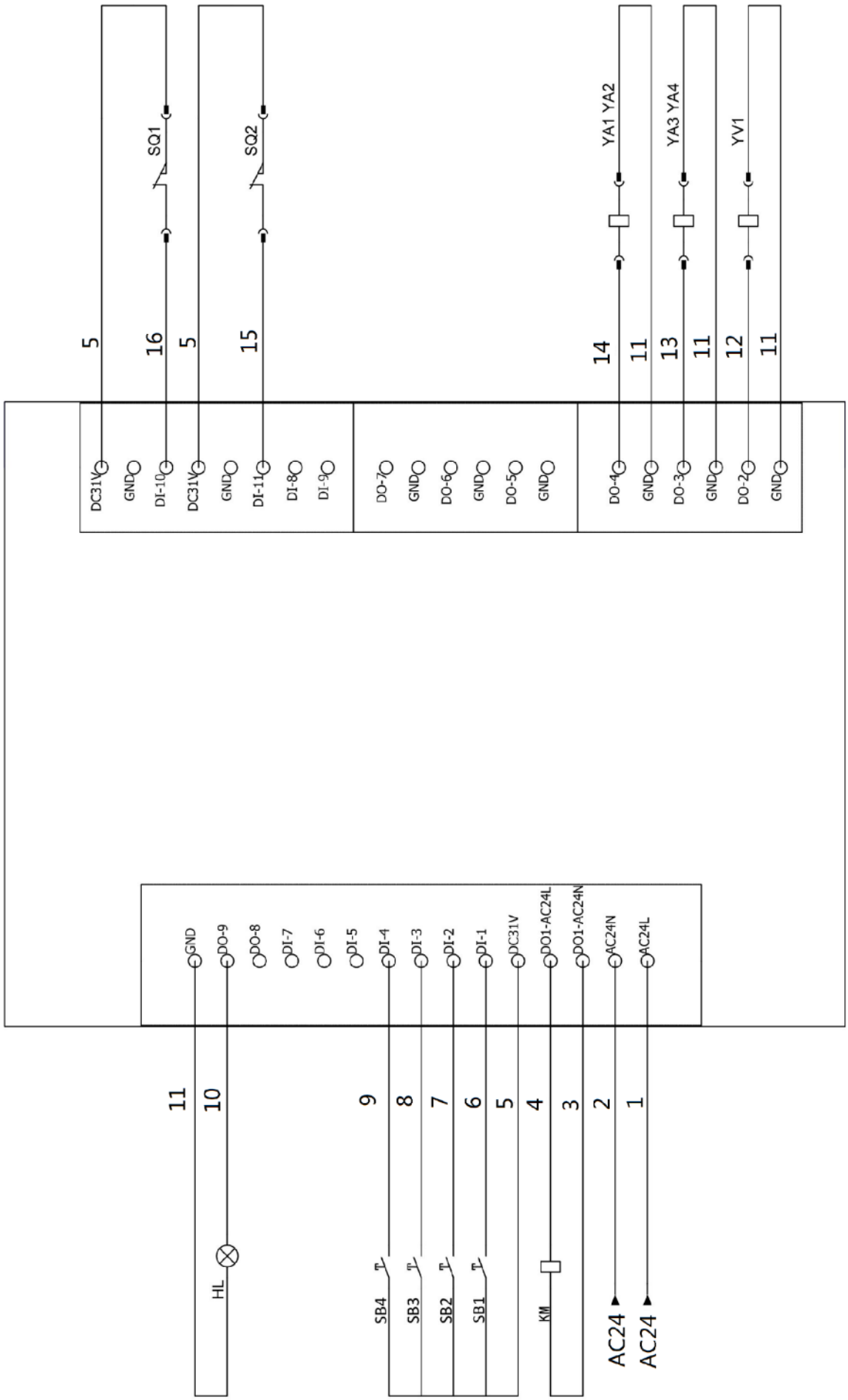
1. Oil tank
2. Oil suction filter
3. Gear pump
4. Clutch
5. Motor
6. Hydraulic block
7. Buffer valve
8. Pressure relief valve
9. Non-return valve
10. Solenoid valve for downward travel
11. Flow-limiting valve
12. Oil tank cover (venting)
13. Hose leak protection valve
14. Oil cylinder

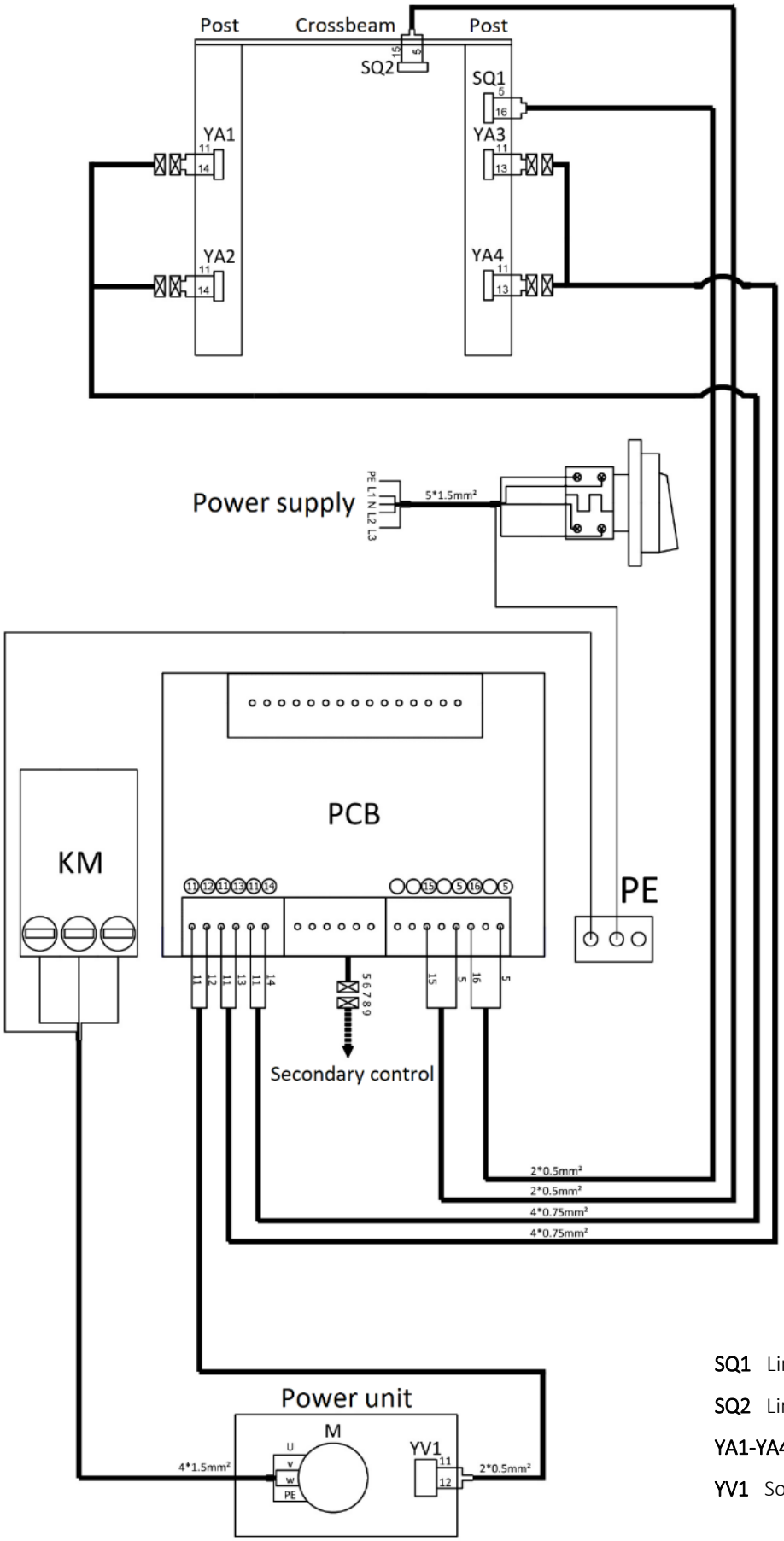
15.4 Circuit diagrams

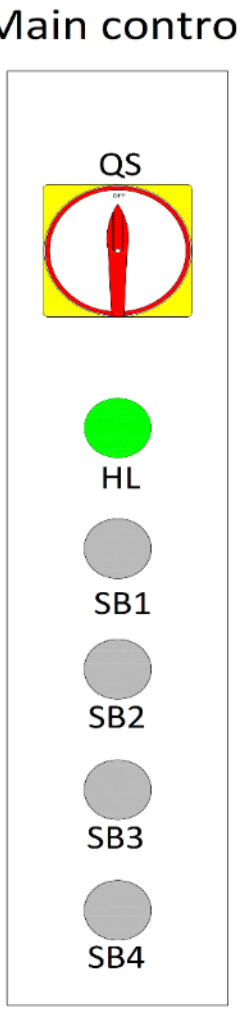
(Note: For specific voltage requirements, the actual voltage of your post lift may differ from the following diagram).






SQ1
SQ2
YA1 YA2
YA3 YA4
YV1
DC31V
GND
DI-10
DI-11
DI-8
DI-9
DO-7
DO-6
DO-5
DO-4
DO-3
DO-2
DO-8
DI-7
DI-6
DI-5
DI-4
DI-3
DI-2
DI-1
DO1-AC24L
DO1-AC24N
AC24N
AC24L
HL
SB4
SB3
SB2
SB1
KM
AC24
AC24





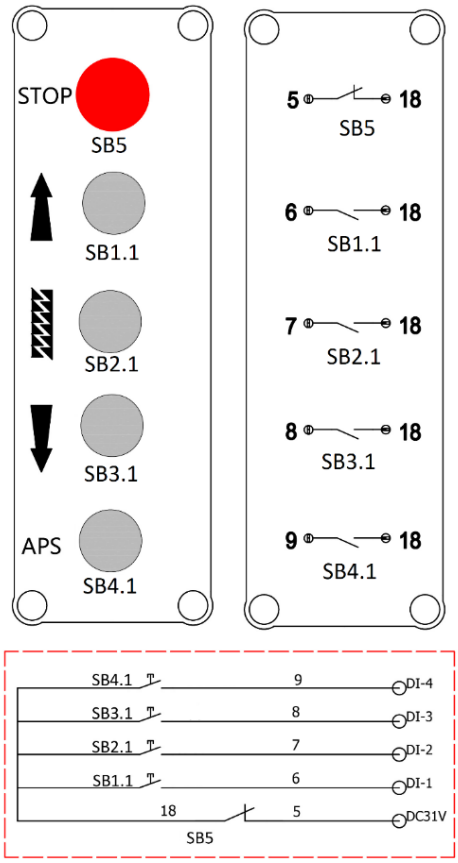
SQ1 Limit switch for maximum height

SQ2 Limit switch for roof guard

YA1-YA4 Electromagnet

YV1 Solenoid valve for downward travel

Auxiliary Control

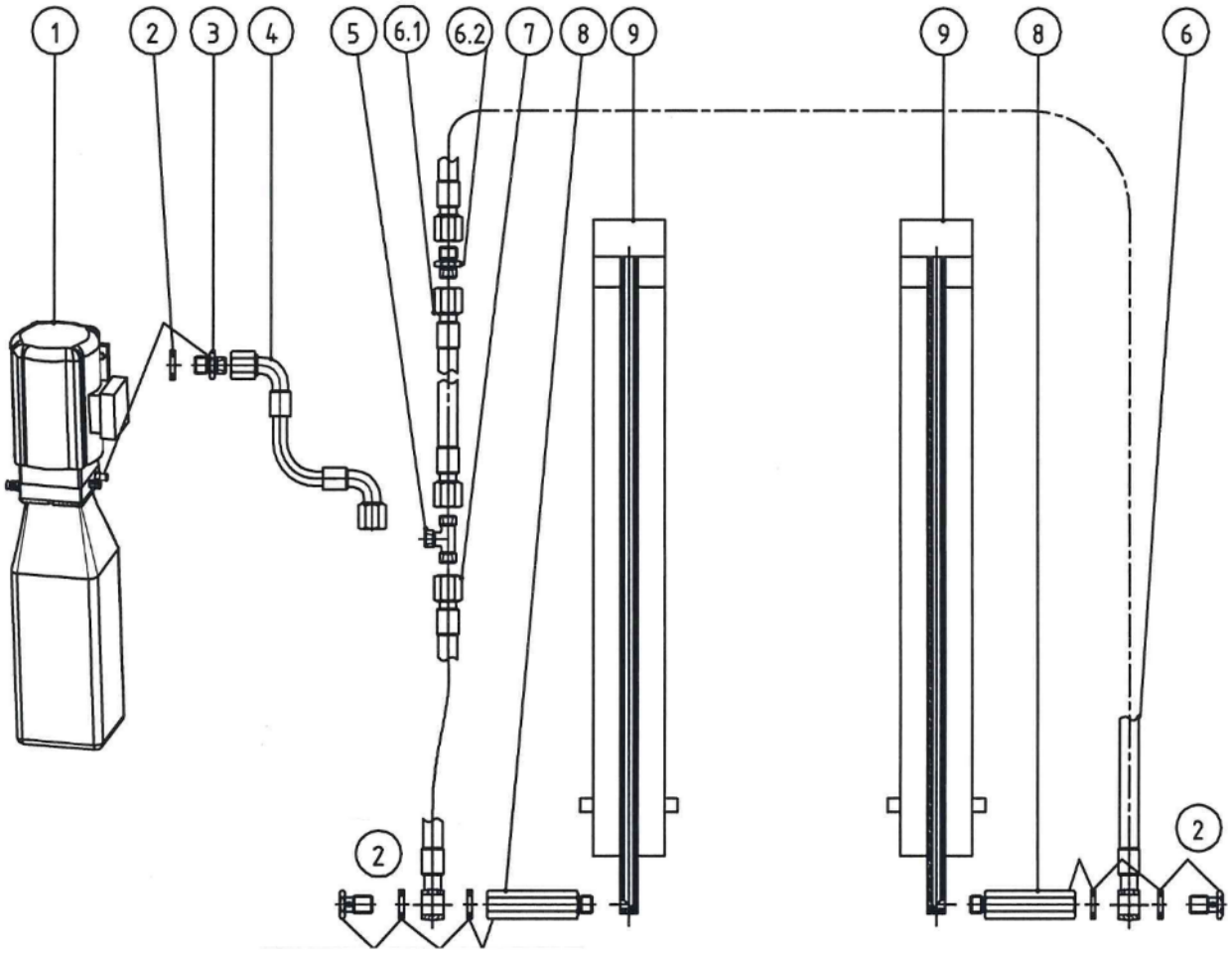


Mains cable	Yellow-green	Blue	Other colours
3 wires	Earthing cable	Neutral wire	Phase wire
5 wires	Earthing cable	Neutral wire	Phase wire
Mains cable	**Yellow-green**		**Other colours**
4 wires	Earthing cable		Phase wire

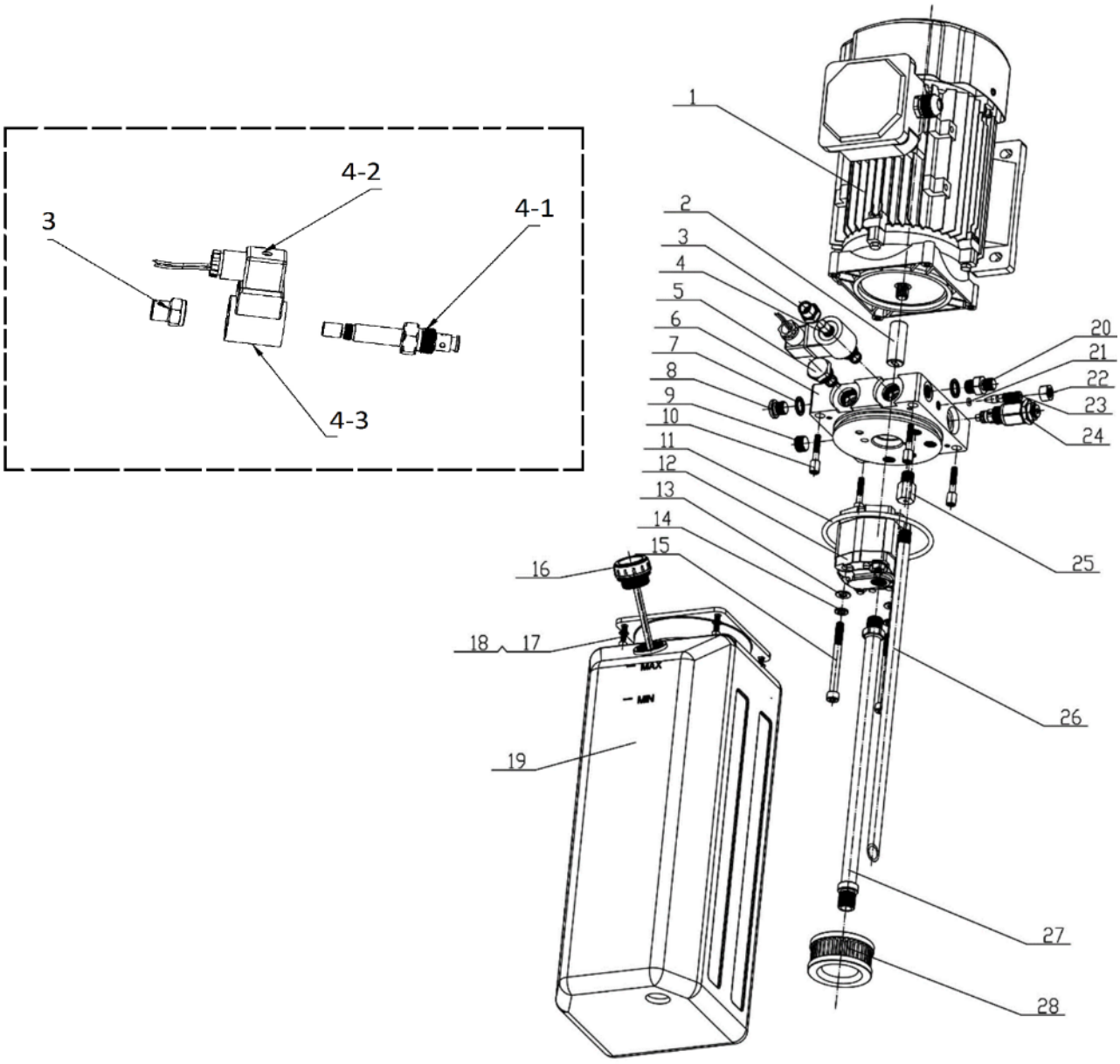
S/N	Code	Name	Quantity
T	320102013	Transformer (two 380V220V)	1
T	320102014	Transformer (twice 400V230V)	1
T	320102015	Transformer (double 415V240V)	1
QF	320801003	Circuit breaker	1
QF1	320803003	Circuit breaker	1
QF2	320803006	Circuit breaker	1
KM	320901011	AC protection	1
QA	320304001	Main switch	1
SB1, SB2, SB3, SB4 SB1.1 SB2.1 SB3.1 SB4.1	320401042	Button	8
SB5	320402030	Button	1
SQ1	320301011	Limit switch	1
SQ2	320301002	Limit switch	1
YA1 YA2 YA3 YA4	330310005	Electromagnet	4
HL	321800001	Current display	1
	791130035	Circuit board	1
	322000005	Auxiliary control box	1

Note: The transformers are different for power supplies with other voltages.
Please contact our customer service department when ordering spare parts.

15.5 Detailed drawing and parts description of the post lift

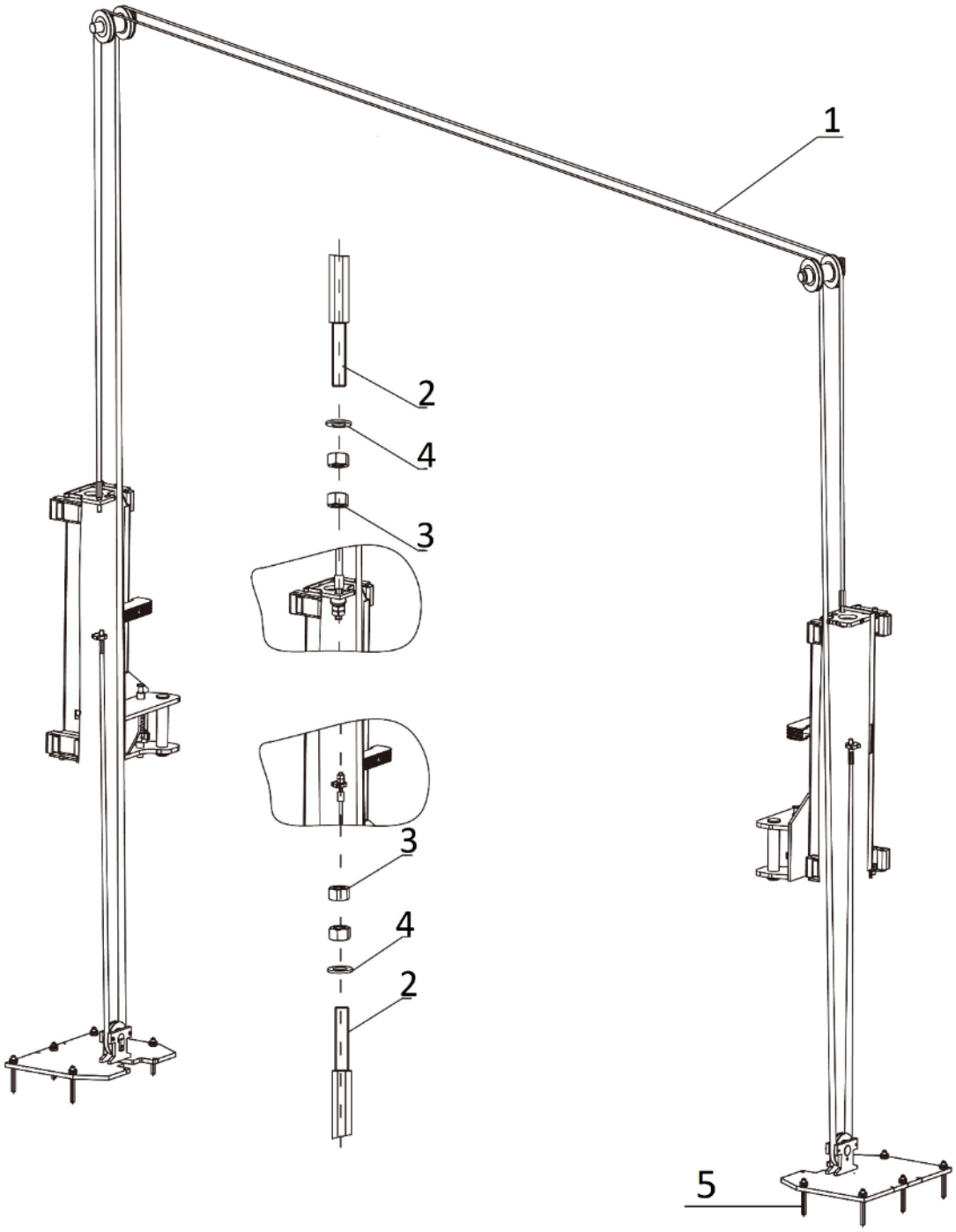


S/N	Code	Name	Specification	Quantity
1	622034290	Aggregate	400V/230V-3.5kW-3Ph-50Hz-2P	1
2	207103025	Composite disc	13.7*20*1.5	5
3	310101008	Switch connector	M14*1.5-G1/4 internal cone	1
4	624008046	Oil hose	Φ8.,L= 320 mm	1
5	615006003	Three-way connector	6214E-A4-B4	1
6	624002025B	Rubber oil hose	L= 8625 mm	1
6.1	624008246	Rubber oil hose (can only be used for a total height of 4300 mm)	L= 840 mm	1
6.2	410210191	Straight connection (can only be used for a total height of 4300 mm)	6603B-A9-B8	1
7	624002004B	Rubber oil hose	L= 2265 mm	1
8	615015003	Connecting element	6255E-A7-B7	2
9	625000013	Oil cylinder	YG5060-38-1800	2
9	625000013B	Oil cylinder (Replace 625000013 since April 11th, 2025)	YG5060-38-1800	2

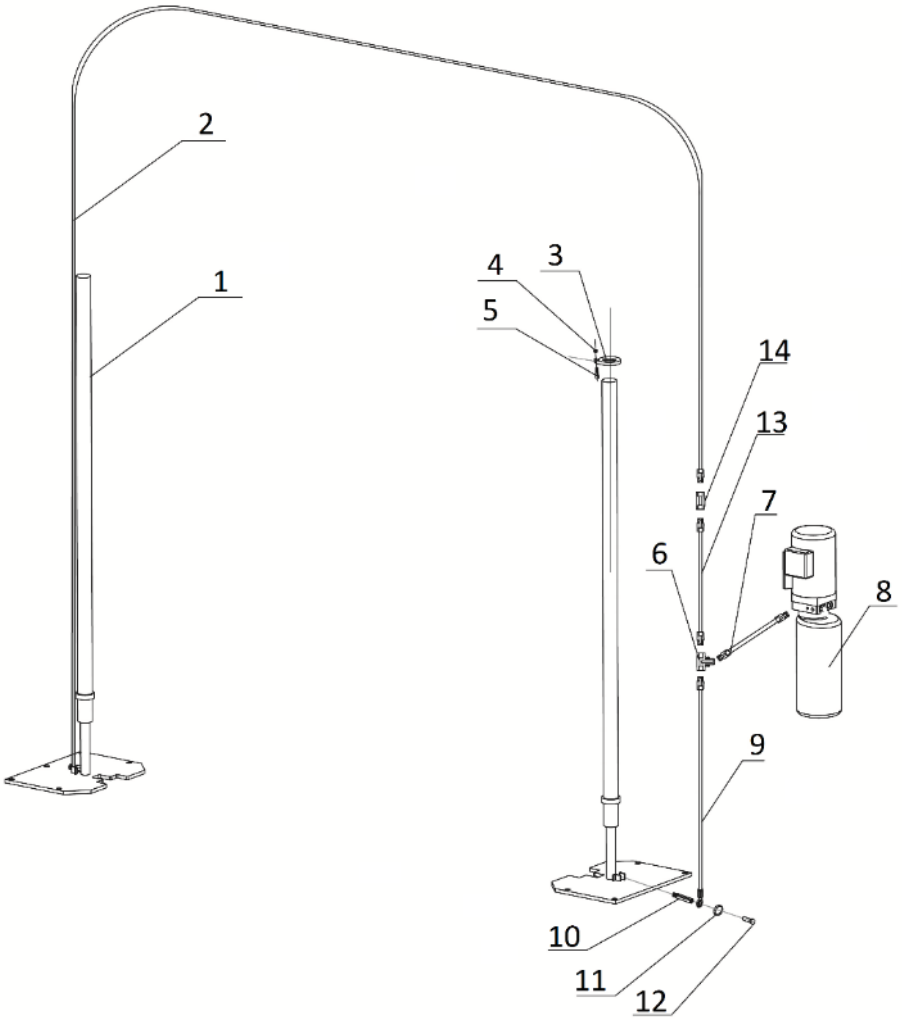


S/N	Code	Name	Specification	Quantity
1	320204304	Motor	400V/230V-3.5kW -3PH-50HZ-2P	1
2	330404006	Clutch	48mm（YBZ-F2.1D4H1/1-03）	1
3	203204102	Lock nut	FHLM-1/2-20UNF	1
4	791150005	Solenoid valve assembly (contains part no. 3, 4-1, 4-2 and 4-3)	DC24V	1
4-1	330311005	Valve piston	24DC (Keta)（LSV-08-2NCP-M-2H）	1
4-2	330308032	Solenoid plug	DIN43650-DC	1
4-3	330308031	Solenoid coil	LC2-0-C-2H,24VDC-	1
5	330302008	Non-return valve	YBZ-E2D3I1/1-03	1
6	330101113	Hydraulic block	LBZ-T2BK-8	1
7	207103019	Composite disc	M14	2
8	310101008	Transition connector	M14*1.5-G1/4 internal cone	1
9	210101014	Plug	Z3/8	1

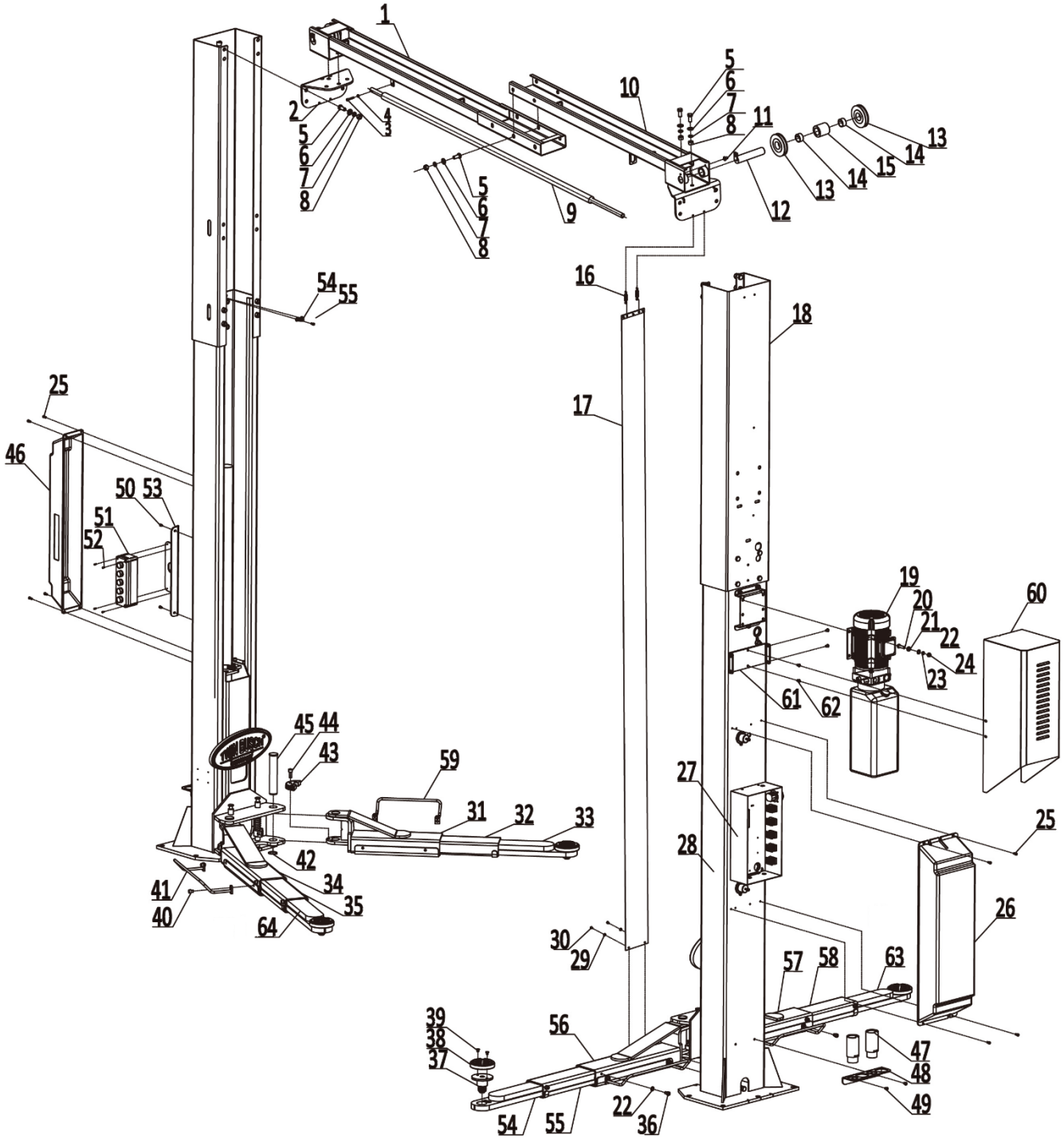
S/N	Code	Name	Specification	Quantity
10	201101100	Screw	M6*50（NLJLD）	4
11	207101098	O-ring	109*5.3	1
12	330201008	Gear pump (3.5 kW)	CBK-F242	1
13	204101005	Washer	M8	4
14	204201013	Spring washer	M8	2
15	202109072	Allen screw with hexagon socket (with spring washer)	M8*85	2
16	330502013	Oil tank cover (venting)	YBZ-BT-M30*2-B	1
17	202109144	Screw	M5*18	4
18	204101003	Washer	M5	4
19	330405051	Plastic oil tank	10L-SLYX-10L-L-BX	1
20	210101013	Plug	M14*1.5	1
21	207101099	O-ring	5*1.8	4
22	203102003	Hexagon nut (thin, 6mm)	M10*1	1
23	330305015	Flow-limiting valve	YBZ-E2D3I1/1-11A	2
24	330304007	Pressure relief valve	YF08-40	1
25	330301003	Buffer valve	HCF-Z1/4	1
26	330402001	Oil return line	YH-D	1
27	330401013	Oil-swallowing pipe	YBZ-SJYG350	1
28	330403001	Oil-sucking filter	YG-C	1



S/N	Code	Name	Specification	Quantity
1	615068742	Steel cable	62C-A22 L=11260MM Φ9.3	2
2	615068742	Steel cable	62C-A22 L=11260MM Φ9.3	2
3	203101009	Hexagon nut	M16	8
4	204101009	Washer	M16	4
5	201201007	Expansion screw	M16	10



S/N	Code	Name	Specification	Quantity
1	625000013	Oil cylinder	YG5060-38-1800	2
1	625000013B	Oil cylinder (Replace 625000013 since April 11th, 2025)	YG5060-38-1800	2
2	624002025B	Rubber oil hose 3	L=8625mm	1
3	410170101B	Ring for cylinder mounting	6264-A24-B1	2
4	203103005	Hexagon lock nut	M6	2
5	202109024	Hexagon head screw fully rotatable	M6*35	2
6	615006003	Three-way plug	6214E-A4-B4	1
7	624008046	Rubber oil hose 1	L=320mm	1
8		Aggregate	3.5kW	1
9	624002004B	Rubber oil hose 4	L=2265mm	1
10	615015003	Composite connection	6255E-A7-B7	2
11	207103025	Composite disc	13.7*20.00*1.50(BS224)	2
12	615015003	Composite connection	6255E-A7-B7	2
13	624008246	Rubber oil hose 2 (optional, can only be used for a total height of 4300 mm)	L=840mm	1
14	410210191	Straight connection (optional, can only be used for a total height of 4300 mm)	6603B-A9-B8	1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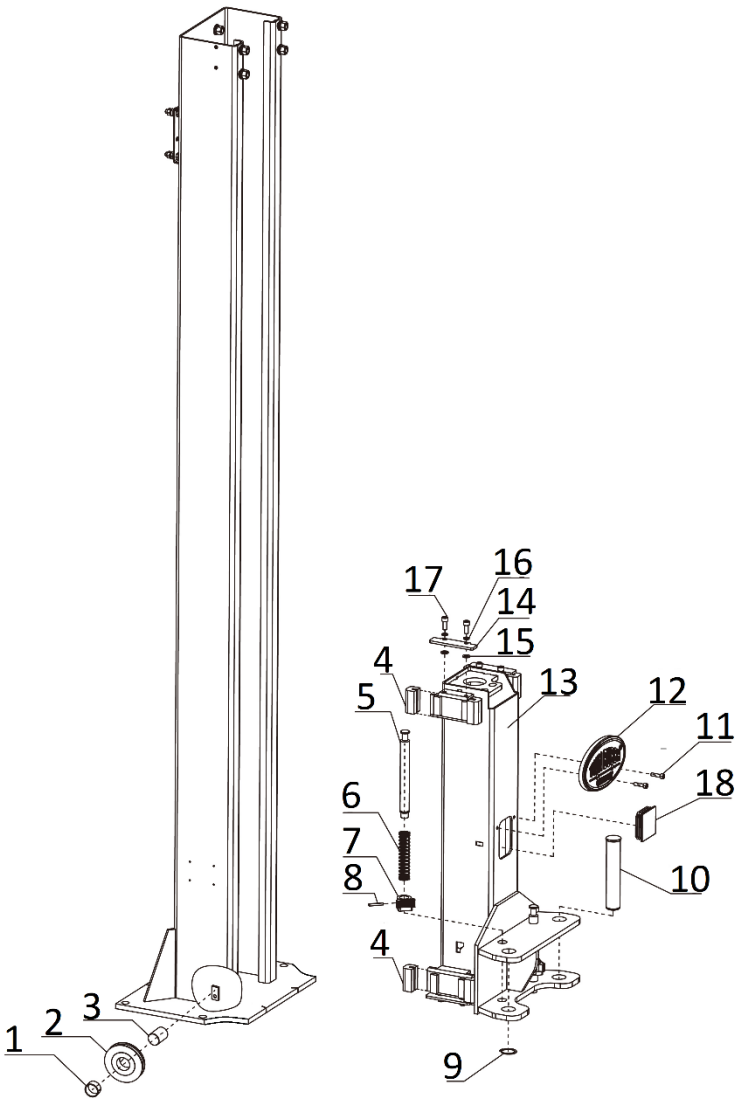
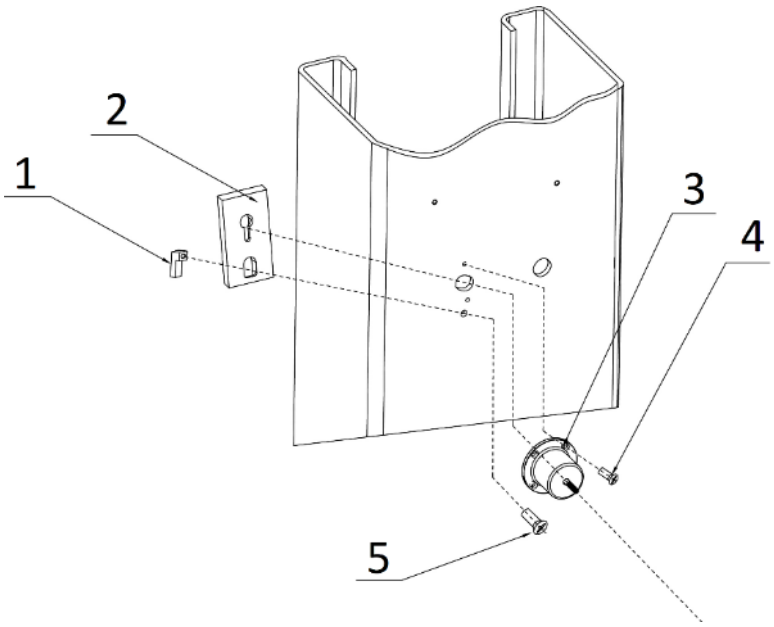
S/N	Code	Name	Specification	Quantity
1	614901691	Crossbeam(out)	62C-A21-B1-42T-EA	1
2	614901732	Connection plate	62C-A21-B3-42T-EA	2
3	202109024	Hex head full swivel screw	M6X35-GB70_1	1
4	203103005	Hex locking nut	M6-GB889	1
5	201102035	Hex head full swivel screw	M14X30-GB5783	33
6	204101008	Flat washer	D14-GB95	33
7	204201007	Spring washer	D14-GB93	33
8	203101008	Hex nut	M14-GB6170	33
9	420060010	Black foam tube	6214E-A21-B3	1
10	614901692	Crossbeam (in)	62C-A21-B2-42T-EA	1
11	202111008	Hex socket flat head screw	M10X16-GB70_3	2
12	612901718	Upside pulley shaft assembly	62C-A21-B3	2
13	410902109	Pulley	C9Z-A1-B2	6
14	205101101	Bearing	3520-SF-1X	6
15	410911631	Space sheath	62C-A21-B4	2
16	410274470C	Spring	6435B-A4-B30	4
17	615068743	Chain protection cloth (usable for a total height of 4300mm)	62C-A1-B5,L=3875mm	2
17	615068647	Chain protection cloth (usable for a total height of 3867mm)	62C-A1-B3,L=3440mm	2
18	410912171	Extending post	62CV3-A2-B1-C1	2
19	622034290	Power unit	400V/230V-3.5kW-3Ph-50Hz-2P	1
20	201103004	Hex head full swivel screw	M10X35-GB5783	4
21	420040010	Anti-shock washer	6254E-A23	4
22	204101006	Flat washer	D10-GB95	26
23	204201005	Spring washer	D10-GB93	23
24	203101006	Hex nut	M10-GB6170	7
25	202109019	Hex socket cylinder head screw	M6X12-GB70_1	8
26	420680117	Protective cover 1 on the power side post	62B-A17	1
27	420680177	Main control box frame	62C-A20-42T-EA	1
28	614901757B	Post (42T)	62CV3-A4-B1-42T-EA	2
29	204101004	Flat washer	D6-GB95	4
30	202101027	Cross socket cap head screw	M6X8-GB818	4
31	614901974	Lifting arm of short 3-stage arm (left)	62CV3-A11-B1	1
32	614901975	Mid arm of the short 3-stage arm (left)	62CV3-A11-B2	1
33	614901978B	Retractable arm of the short 3-stage arm (left)	62CV3-A11-B3-V1	1
34	614901976	Lifting arm of long 3-stage arm (left)	62CV3-A12-B1	1
35	614901977	Mid arm of the long 3-stage arm (left)	62CV3-A12-B2	1
36	202109040	Hex socket cylinder head screw	M10X16-GB70_1	6
37	610004547	Low-profile Lifting tray(no contact pad)	6254E-A7-B4-V1	4
38	420040250	Round pad	6254E-A7-B4-C4	4
39	202111004	Hex socket flat head screw	M8X12-GB70_3	8
37+38+39	610004517	Low-profile Lifting tray assembly	6254E-A7-B4-V2	4
40	202110018	Hex socket cylinder head screw	M10X12-GB70_1	8
41	614004030B	Fender for the long 3-stage arm	6254E-MDN-A10-B4	2
42	204301013	Circlip	D38-GB894	4
43	410901074	Semi-Teeth block	6254E-A7-B8	4
44	202109085	Hex socket cylinder head screw	M12X30-GB70_1	12
45	410049031B	Pin shaft	6254E-A12	4

S/N	Code	Name	Specification	Quantity
46	420680181	Protective cover 2 on the secondary post	62B-A14	1
47	612004003B	Height adapter	6254E-A11	4
48	410901744	Holder for the height adapter	6254E-A1-B1-C6-V0	2
49	202110004	Hex socket button head screw	M8X12-GB70_2	4
50	202109017	Hex socket cylinder head screw	M6X8-GB70_1	2
51	322000005	Auxiliary control box frame	250*80*70, black	1
52	202101008	Cross socket cap head screw	M4X10-GB818	4
53	410912133	Installation plate for the auxiliary control box	62B-A1-B3	1
54	614901973B	Retractable arm of the long 3-stage arm (Right)	62CV3-A10-B3-V1	1
55	614901972	Mid arm of long 3-stage arm (Right)	62CV3-A10-B2	1
56	614901971	Lifting arm of long 3-stage arm (Right)	62CV3-A10-B1	1
57	614901968	Lifting arm of short 3-stage arm (Right)	62CV3-A9-B1	1
58	614901969	Mid arm of short 3-stage arm (Right)	62CV3-A9-B2	1
59	614004012B	Fender for the short 3-stage arm	6254E-A27-B4	2
60	614901871	Motor housing	62B-A22-B1-1	1
61	410912142	Holder for the housing	62B-A22-B2-1	1
62	202110004	Hex socket button head screw	M8X12-GB70_2	6
63	614901970B	Retractable arm of the short 3-stage arm (Right)	62CV3-A9-B3-V1	1
64	614901979B	Retractable arm of the long 3-stage arm (left)	62CV3-A12-B3-V1	1



S/N	Code	Name	Specification	Quantity
1	205101101	Warehouse	3520-SF-1X	2
2	410902109	Belt pulley	C9Z-A1-B2	2
3	410540080	Lower pulley shaft	C12-A1-B3-C1	2
4	420680083	Slider	C9Z-A1-B5	16
5	410902001B	Tie rod	6254E-A2-B1-C1-1	4
6	410150121	Pressure spring	6254E-A2-B4	4
7	410901075	Tooth block	6254E-A2-B9	4
8	206102013	Elastic column pin	D6X40-GB879	4
9	204301013	Snap ring	D38-GB894	4
10	410049031B	Pin shaft	6254E-A12	4
11	202109031	Allen screw with hexagon socket	M8X30-GB70_1	4
12	420680124	Rubber pad protection	62B-A3-B11	2
13	614901880	Carrier	62C-A5-B1-42T-EA	2
14	410912173	Retaining plate for slider	62B-A7-B9-C2	8
15	204101006	Washer	D10-GB95	16
16	204201005	Spring washer	D10-GB93	16
17	202110012	Allen screw with hexagon socket	M10X25-GB70_2	16
18	210101018	Plastic protective cover	80X80MM	2



S/N	Code	Name	Specification	Quantity
1	410040071	Orientation block	6254E-A17	4
2	410040061	Safety locking plate	6254E-A13	4
3	330310005	Electromagnet	6254E-A14	4
4	202109017	Allen screw with hexagon socket	M6*8	8
5	202109020	Allen screw with hexagon socket	M6*15	4

We have made every effort to provide you with complete and detailed information to ensure that installation and operation run smoothly. However, if you encounter any problems during the installation and operation of your post lift or have any questions about individual parts, please contact the expert staff at TWIN BUSCH® GmbH.

EC-declaration of conformity

CE

The company

Twin Busch GmbH | Amperestr. 1 | D-64625 Bensheim

hereby declares that the **2-post vehicle lift**

TW242CEB4.3 (EE-62CE-42T) | **4.200 kg**

Serial number:

in these configurations we have placed on the marked complies with the relevant essential health and safety requirements of the following EC-directive(s) in its/their current version(s).

EC-directive(s)

2006/42/EC	**Machinery**

Applied harmonized standards and regulations

EN 1493:2022	**Vehicle Lifts**
EN 60204-1:2018	**Safety of Machinery – Electrical Equipment of Machines**
EN 12100:2010	**Safety of machinery - General principles for design - Risk assessment and risk reduction**

CE Certificate

MD-388 Issue 1

date of issue:	02.02.2023
place of issue:	Helsinki
technical file no.:	SHES221102015501-01/02/03/04

Certification body

SGS Fimko Ltd.,
Takamotie 8,
FI-00380 Helsinki
Notified Body Appointment No.: 0598

In the case of improper use, as well as in the case of assembling, modification or changes which are not agreed with us, this declaration will lose its validity.

Authorized person to compile technical documentation is: Michael Glade (adress as below)

TWIN BUSCH GERMANY
TWIN BUSCH GmbH
Amperestr. 1 · 64625 Bensheim
Tel. 06251 / 70585-0 · Fax: 70585-29

Authorized signatory: Michael Glade
Bensheim, 10.03.2023 Qualitätsmanagement

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