

INSTRUCTIONS

Type of machine: Hoist

Type: **HYDRAULIC LIFTING
WELDING TABLE**



Part numbers of lift-up welding tables

- **XWT_M_1600KG** (tabletop dimension 1500x1000)
- **XWT_L_1500KG** (tabletop dimension 1500x1480)
- **XWT_XL_3500KG** (top dimension 2000x1000)
- **XWT_XXL_3400KG** (countertop dimension 2400x1200)

NOTE: The owner/operator should read the information in this manual before using the equipment.

CONTENTS:

1. PRELIMINARY REMARKS.....	5
1.1. SIGNS AND SYMBOLS.....	6
1.2. OPERATOR REQUIREMENTS.....	6
1.3. UPON RECEIPT OF THE MACHINE.....	6
1.4. A SET OF KEY REQUIREMENTS FOR USERS AND MAINTAINERS.....	7
1.5. NAMEPLATE.....	9
1.6. MARKINGS ON THE DEVICE.....	9
1.7. STATEMENT OF WARRANTY AND LIMITATION OF LIABILITY.....	10
1.7.1. WARRANTY CONDITIONS.....	10
1.8. TRANSPORT OF THE EQUIPMENT.....	10
2. INSTALLATION OF THE UNIT ON THE FLOOR/GROUND OR IN A RECESS.....	11
2.1. FIXING TO THE GROUND.....	12
2.2. ELECTRICAL INSTALLATION.....	13
3. SAFETY DEVICES.....	13
4. CORRECT LOAD DISTRIBUTION.....	14
5. PURPOSE OF THE EQUIPMENT AND JOB DESCRIPTION.....	15
6. DAILY CHECK - PERFORMED BY THE OPERATOR.....	16
7. OPERATION OF THE DEVICE.....	17
7.1. PLATFORM LIFT.....	17
7.2. LOWERING THE PLATFORM.....	17
7.3. SAFETY BUTTON.....	17
7.4. ENGINE OPERATING TIME.....	18
7.5. USED OIL DISPOSAL.....	18
7.6. SCRAPPING.....	18
7.7. BEFORE FIRST USE.....	18
8. HYDRAULIC DIAGRAM AND ELECTRICAL DIAGRAM.....	19
8.1. HYDRAULIC PLATFORM LIFT.....	19
8.2. LOWERING THE HYDRAULIC PLATFORM.....	19
8.3. BRIEF CHARACTERISTICS OF THE VALVES.....	19
8.3.1. HYDRAULIC VALVE (FIG. 6. HYDRAULIC DIAGRAM).....	19
8.3.2. ELECTRICAL DIAGRAM.....	21

9. DIRECTIONS FOR MAINTENANCE.....	22
9.1. IMPORTANT NOTES FOR CONSERVATIONISTS.....	22
9.2. TABLE OF REGULAR CHECKS.....	22
9.3. LUBRICATION POINTS.....	23
10. PROBLEM SOLVING.....	24
11. RISKS AND SAFETY MEASURES.....	25
11.1. PERSONAL PROTECTIVE EQUIPMENT DURING OPERATION AND MAINTENANCE.....	25
11.2. RISK OF SLIPPAGE.....	25
11.3. RISK OF ELECTROCUTION.....	25
11.4. LIFE-THREATENING CONSEQUENCES OF A FALLING PLATFORM.....	26
11.5. RISK TO LIFE FROM A LOADED PLATFORM.....	26
11.6. DANGER OF BURNS FROM CONTACT WITH HOT SPENT OIL.....	27
11.7. RISK OF INJURY FROM HYDRAULIC FLUID ESCAPING.....	27
11.8. RISK OF INADEQUATE LIGHTING.....	27
11.9. RISK OF DAMAGE TO ELEVATOR COMPONENTS.....	27
11.10. RISKS ASSOCIATED WITH INAPPROPRIATE USE.....	27
11.11. NOISE EMISSION PARAMETERS.....	27
11.12. TRIAL REPORT.....	28
11.13. DEVICE LIFE CYCLE.....	28
12. TECHNICAL DATA.....	28
12.1. MODEL-XWT _M_1600KG.....	29
12.2. MODEL-XWT _L_1500KG.....	32
12.3. MODEL-XWT _XL_3500KG.....	35
12.4. MODEL-XWT _XXL_3400KG.....	38
13. GENERAL TERMS AND CONDITIONS GUARANTEED!.....	41
14. EXPLOATAOI LOGBOOK.....	44

INDEX OF FIGURES:

1. Fig. 1: Safety screws
2. Fig. 2: Example of nameplate
3. Fig. 3: Safety zone
4. Fig. 4: Lifting gear attachment
5. Fig. 5: Proper weight distribution
6. Fig. 6: Control pendant
7. Fig. 7: Hydraulic diagram
8. Fig. 8: Electrical diagram
9. Fig. 9: Components
10. Fig. 10: Lubrication points
11. Fig. 11: Safety supports
12. Figure 12: Technical data table
13. Fig. 13: Components and subassemblies of the XWT_M_1600KG
14. Fig. 14: Scissor lift XWT_M_1600KG
15. Fig. 15: Components and subassemblies of the XWT_L_1500KG
16. Fig. 16: Scissor lift XWT_L_1500KG
17. Fig. 17: Components and subassemblies of the XWT_XL_3500KG
18. Fig. 18: Scissor lift XWT_XL_3500KG
19. Fig. 19: Components and subassemblies XWT_XXL_3400KG
20. Fig. 20: Scissor lift XWT_XXL_3400KG
21. Fig. 21: Model declaration of conformity

1. COMMENTS INTRODUCTION

At the outset, we would like to thank you for your confidence and for choosing the welding table of firm GPPH. This manual contains information and warnings for the correct operation of the machine and the prevention of injury to operators and damage to property. The instruction manual is considered an integral part of the machine and must remain with it throughout its use.

The manufacturer is not responsible for any problems, damage, accidents, etc. resulting from failure to follow the instructions in this manual. Only qualified personnel may carry out the lifting, transport, assembly, installation, adjustment, maintenance, repair and dismantling operations .

THE MANUFACTURER SHALL NOT BE LIABLE FOR INJURY TO PERSONS OR DAMAGE TO PROPERTY CAUSED BY THE OPERATION OF THE APPLIANCE BY UNAUTHORISED OR UNTRAINED PERSONS.

Use of the device in Poland:

The equipment is subject to technical supervision and an operating permit issued by the Technical Supervision Authority is required for its use.

The need to obtain a decision is the responsibility of the operator of the equipment.

In order to obtain a decision, the device must be notified to the UDT. The application must be accompanied by:

- Declaration of conformity (provided by GPPH),
- Manual (provided by GPPH),
- Supplementary documentation drawn up by the client following installation and commissioning of the unit, including: location sketch, power supply diagrams, certificate of correct installation and testing, electrical measurement reports and certificate of correct execution of the constructional part.

Use of the device outside Poland:

You must comply with the regulations in force in your country.

Any use of the equipment by operators who are not familiar with the instructions and procedures contained in this document is prohibited.

MANUFACTURER: GPPH S.C. K. RZEŹNIK, W. PIECHOTA
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1.1. SIGNS AND SYMBOLS

	Identifies activities that require special attention
	Means to prohibit
	Indicates that operators may be at risk
POGRUBIENIE	Important information
	WARNING: Before starting the machine and making any adjustments, carefully read Chapter 2 "Installation ..."



The manual contains instructions for proper use and a list of all parts. The manual is not a substitute for the professional skills or personal experience of the operator.



Incorrect handling of the table may cause serious injury to the equipment operator. It is therefore necessary to follow the instructions given in the respective manual.

1.2. REQUIREMENTS FOR OPERATORS

Service activities may only be performed by a person who meets the following conditions:

- is over the age of 18,
- has been trained in the safe operation of the equipment,
- has read and understood this manual,
- knows the health and safety requirements of the place where the equipment is installed.

1.3. ON RECEIPT OF MACHINE

Immediately upon receipt of the welding table, check the delivery for completeness. Upon receipt, the machine has to be checked immediately for transport damage and damage in non-visible areas. If damage has been found or is suspected, it has to be documented (photos, sketch indicating the damage, exact description of the damage).

The transport damage must then be reported immediately in writing to the transport company and the manufacturer.

1.4. A SET OF KEY REQUIREMENTS FOR USERS AND MAINTENANCE PERSONS

Maintenance operations may only be carried out by a trained and competent person. In Poland, this is a person who holds a qualification certificate in hoist maintenance issued by the Office of Technical Inspection.

- Before using the appliance, read and understand the information in this manual. Follow the instructions strictly.
- Before using the table, it is necessary to check all safety mechanisms.
- Ensure that the work area is clear of any obstructions.
- Do not place your feet, hands or other body parts or objects on the scissor mechanism or frame.



Before starting work, the screws securing the lifting of the table during transport must be removed.

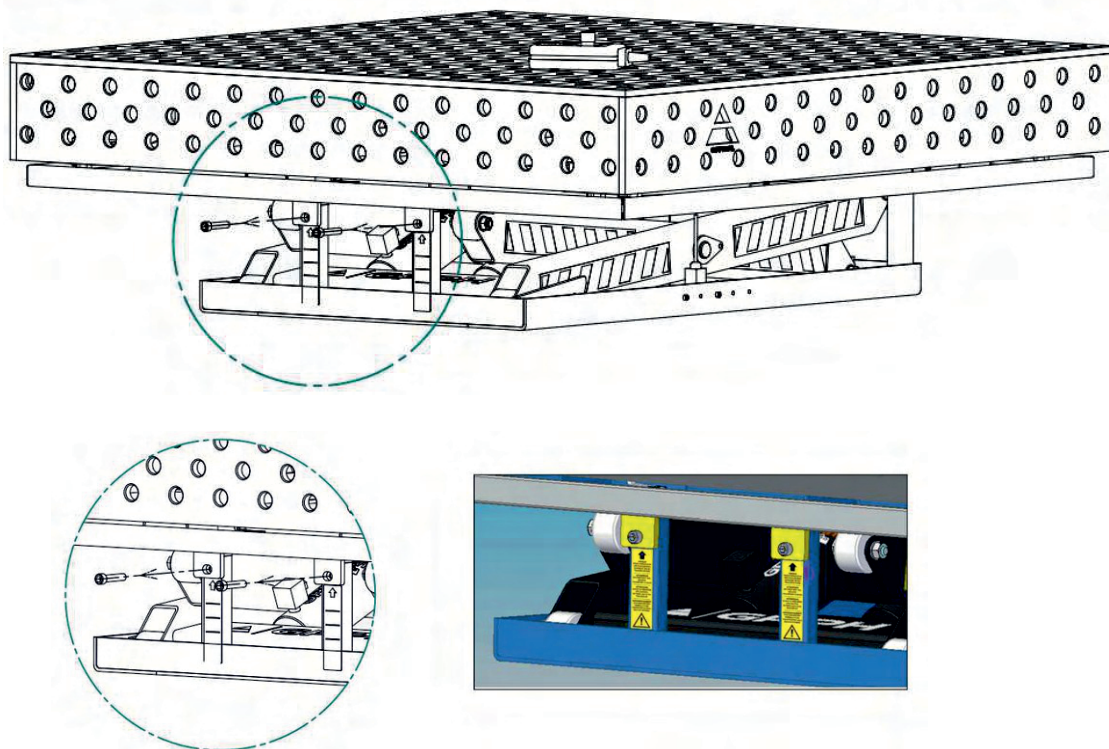


Fig. 1: Safety screws

- Do not overload the table. The maximum permissible load for each type of table is indicated in the table *Fig. 12 Technical data* and on the nameplate of the appliance *Fig. 2 Example of nameplate*.
- Check that the electrical installation parameters at the site (mains voltage, current, frequency, protection, etc.) are correct for the table.
- Only use the device on a flat and hard surface. Read. *Chapter 2. Installation on the floor/ground or in a recess.*

- All connections and disconnections of the electrical system and other work on the electrical system must be carried out by qualified personnel. The permissible voltage variation is $\pm 10\%$.
- It is forbidden to touch the moving parts of the machine during lifting. When the table surface is moving, it is forbidden to correct the applied load.
- The welder's ground clamp must be attached to the welding table top, not to the lift frame.
- It is prohibited to raise or lower the table when there is a person under the table surface or on the surface.
- Do not adjust the safety valve of the hydraulic system yourself. Adjustment must only be carried out by an authorized machine maintainer.
- A faulty appliance must not be used. If malfunctions, deformations, cracks, missing components, etc. are found, the device must be taken out of service.
- The unit is designed for indoor operation. Outdoor operation or operation in an explosive atmosphere is prohibited.
- Do not create an unsafe situation involving the transport of loads that may move, e.g. rolling objects.
- Before operating, the operator must ensure that all safety mechanisms and devices are in place and operational.
- Before handling the equipment, be sure to have the prescribed protective clothing to avoid injury and damage to health. *Read. Chapter 11 Risks and safety measures*
- Always wear close-fitting clothing when working with the machine and always tie up long hair to prevent it from being drawn into the machine components.
- Before carrying out any maintenance and repair work, including cleaning, the appliance must be switched off and disconnected from the power source. For maintenance and repair work during which the unit must remain switched on, the operating/moving parts should be supervised by a second person so that no unauthorized person can set the unit in motion.
- In the event of an accident, the applicable health and safety regulations must be complied with.



Before switching the unit on, operators must be familiar with the position and function of all control buttons, as well as with the functions of the unit shown in Chapter 7 "Operation ...".

1.5. NAMEPLATE

Identification data and parameters can be found on the nameplate affixed to the unit.



Fig. 2: Example of nameplate

1.6. MARKINGS ON DEVICE

The appliance has markings and pictograms as defined in EN 1570-l+A1:2014-11 and should be kept clean to make them legible.



DO NOT GO UNDER THE PLATFORM
UNTIL IT IS MECHANICALLY LOCKED



NO ACCESS TO THE PLATFORM



A PROHIBITION ON PLACING HANDS OR FEET
UNDER PLATFORM

1.7. STATEMENT OF WARRANTY AND LIMITATION OF LIABILITY

The manufacturer has made every effort in the preparation of this manual.

However, changes and modifications not included here do not in any way alter the contract under the terms of which the lift was acquired, nor do they increase the manufacturer's liability towards the customer.

Every effort has been made to ensure that the information contained in this manual is correct, complete and up-to-date. The manufacturer is not responsible for any printing errors made in the preparation of this manual and reserves the right to make changes due to product development at any time.

1.7.1. WARRANTY CONDITIONS

24-month guarantee on the tabletop structure.

12-month guarantee on scissor lift (structure, hydraulic system, motor, electrical system).

The warranty period is calculated from the date the goods are released from the warehouse or assembled.

The warranty becomes void if unauthorized modifications are made to the device or its parts. The presence of manufacturing defects must be verified by the relevant manufacturer's personnel.

1.8. TRANSPORT OF THE EQUIPMENT

- Only qualified personnel who are familiar with the lift and these instructions may carry out packing, lifting, transporting and unpacking operations.
- If necessary, the table can be transported using a set of transport rollers.
- Pay attention to the weight of the appliance - a parameter indicated on the rating plate.
- Pay attention to the maximum lifting capacity of the device with which the table lift will be transported.

2. INSTALLATION OF THE UNIT ON THE FLOOR/GROUND OR IN A RECESS

The lifting machine has been designed for use in sheltered and covered areas free from overhead obstructions. The installation site must not be next to areas for washing, paint tables, solvents or paint deposits. It is strictly forbidden to install the lifting machine in the vicinity of areas where there is an explosion hazard or other dangerous situations. Relevant local health and safety standards must be taken into consideration, e.g. minimum distance from walls (1m) or other equipment, escape route, etc.



To ensure stability, the base of the welding table must be fixed to the ground (min. 20 cm thick concrete B 25 or B 30) with four M16 x 120 mm steel expansion anchors.

The reaction to the ground on which the equipment will be mounted is the sum of its weight and lifting capacity, multiplied by a dynamic excess coefficient of 1.1.

During installation, consideration must be given to the possibility of negative effects of the unit on the building (e.g. ceiling load, excessive vibration). Risks must be eliminated.

The base of the table frame is not self-supporting as standard and requires anchoring. It is therefore essential that the surface to which the unit will be attached is stable and flat.



The equipment should be positioned so that the operator has a clear view of the load when the lift is in operation.

Proper installation of the equipment is the responsibility of the developer or the party to whom this has been delegated.

2.1. FIXING TO SUBSTRATE

For safety reasons, the required free area is 1 metre on all sides of the unit.

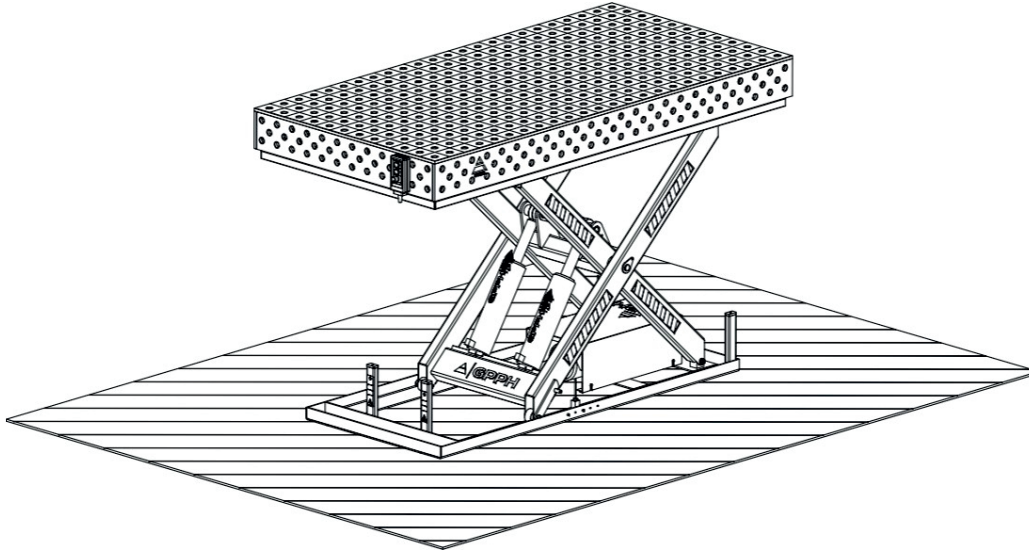


Fig. 3: Safety zone



The support frame must be fixed to the ground.

Follow steps 1 and 2 to attach the jack to the ground.

1. Inside the support frame there are four $\varnothing 20$ holes for screwing the unit securely to the ground. Using the 4 holes as a template, drill a $\varnothing 16$ anchor hole, the depth at each location should be min. 140 mm. The floor surface should be level and the holes drilled perpendicular to the floor.

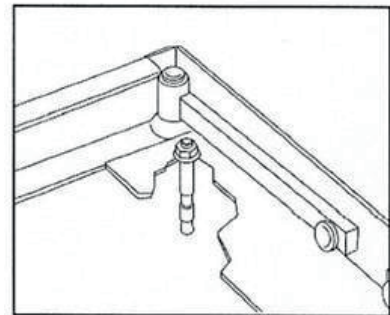


Fig. 4: Lifting gear attachment

2. Prepare the M16 x 120 mm diameter anchor bolts by installing washers and nuts on the fixing bolts. (See Fig.4) Insert the assembled fixing through the mounting hole into the concrete until the washer is aligned with the top surface of the anchor plate.

2.2. ELECTRICAL INSTALLATION

- The connection of the appliance to the electrical installation should be made by a qualified electrician, according to the diagram in this manual.
- The power supply network to the lift should be protected by a 16 A overcurrent fuse (C16).
- The power line should be equipped with a MASTER SWITCH located near the unit, in an easily accessible place.
- The unit's power supply cable should be routed carefully and protected against possible damage.
- The unit must be properly earthed - see electrical diagram.

3. SAFETY DEVICES

The following safety devices have been used to ensure safety:

- Maximum pressure valve located inside the hydraulic unit to prevent overloading due to excessive lifting. The maximum pressure valve has been set to the correct pressure (≤ 110 % of working pressure) by the manufacturer. Do NOT make adjustments on your own.
- Safety valve built into the hydraulic cylinder to prevent sudden oil leakage in the event of loss of hydraulic integrity, e.g. hydraulic line breakage.
- Control buttons requiring sustained pressure to continue the selected function.
- STOP emergency stop switch located in the control pendant.
- Safety aluminum underbase frame to protect against guillotining, disabling downward movement of the platform.
- Lift limit switch, activated at maximum top position.
- Mechanical support(s) to prevent the platform from lowering itself - used during maintenance operations. *Figure 11: Safety supports.*



It is forbidden to modify safety devices. You must always ensure that the safety devices function correctly during operation.

4. CORRECT DISTRIBUTION OF LOADS



The maximum load (nominal load capacity) refers to a load that is evenly distributed over the entire table surface.

According to **PN-EN 1570-1+A1:2014-11**, the safety requirements for lifts are as follows:

1. 100% of the weight of the permitted load (maximum load capacity) must be evenly distributed over the entire worktop surface.
2. Or 50% of the weight of the permitted load (50% of the maximum load capacity) must be distributed evenly over half the length of the tabletop.
3. Or 33% of the weight of the permitted load (33% of the maximum load capacity) must be distributed evenly over half the width of the worktop.

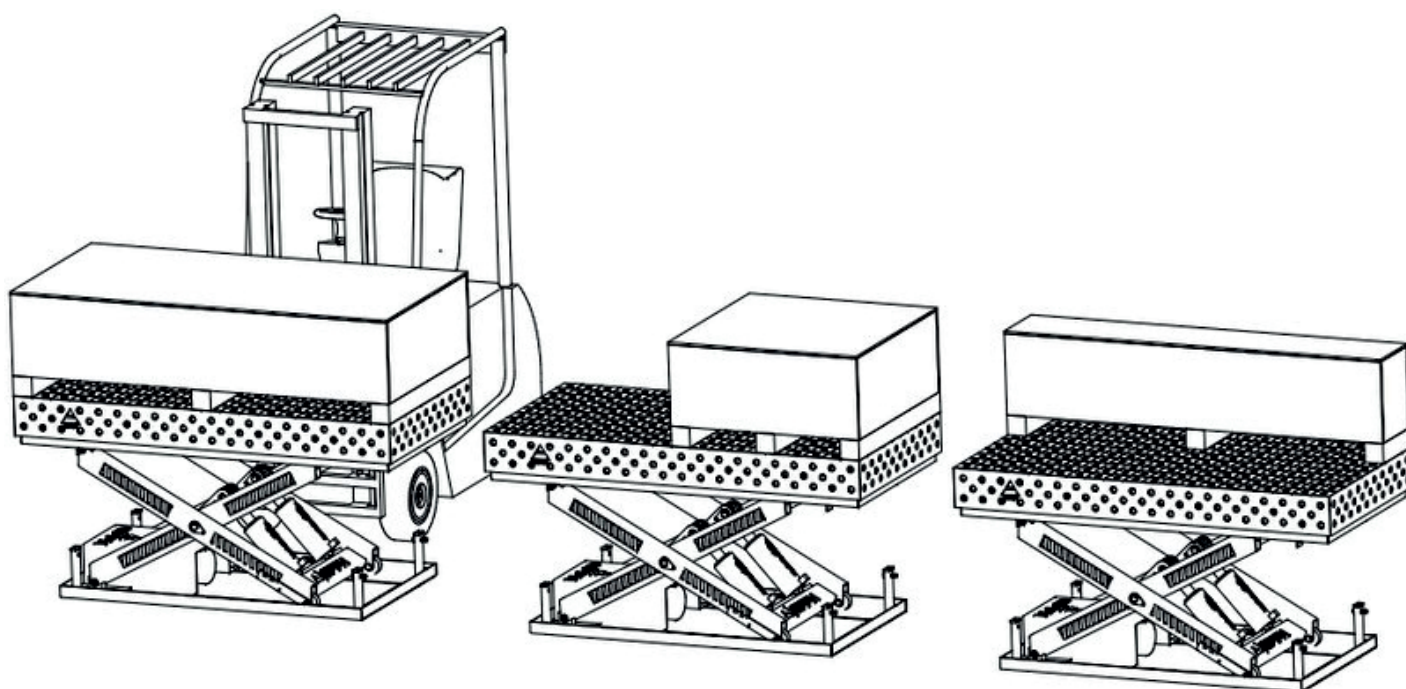


Fig. 5: Correct weight distribution

5. PURPOSE OF THE EQUIPMENT AND JOB DESCRIPTION



Improper handling of the equipment can cause serious injury to the equipment operator. Therefore, follow the instructions in the respective manual.

- The lifting table is used to lift and/or lower a load of the permitted weight in order to improve ergonomics. It should not be used for other purposes.
- A scissor mechanism raises or lowers the weight to the intended level.
- Welding of workpieces placed on the table is only possible when the ground terminal of the welder is connected to the table top.
- During welding, hazardous situations must not be created, e.g. by a dangerous increase in the temperature of the workpieces on the table; displacement of workpieces.
- Use of the table is only permitted if the table top is horizontal.
- The device is used for transporting goods only. Access under the platform, access to the platform and lifting/lowering of persons is prohibited.
- Access under the platform is only possible for the conservator after the platform has been secured against movement. *Fig. 11: Protection supports.*
- The unit may not be used as a work platform or *mobile platform* (for example, as a *mobile elevating work platform* MEWP to EN280).
- Changes to the parameters of the device without the manufacturer's prior written consent are prohibited.
- Only original spare parts specified by the manufacturer must be used. If these are not available, use parts which are not inferior in terms of quality and safety and which have the same characteristics and performance as the original parts.
- Keep the hydraulic system clean and safe.
- Only carry out checks and repairs when the unit is not under load.
- The lift is sensitive to moisture and should therefore not be operated in an open area.
- The operator must take up a safe position before starting the machine, bearing in mind that the machine, with its possible load, may represent a danger to persons (crushing, trapping, shearing, etc.). The position occupied by the operator should ensure that he has a full and uninterrupted view of all parts of the machine and any load.

6. DAILYCHECK - CARRIED OUT BY THE OPERATOR

The daily check is a proper action carried out to detect malfunctions or defects in the machine. Before operating the machine, check the machine according to the points listed.



Do not operate the unit if any malfunction or damage is detected.

- Check for scratches, dents, deformations or cracks on the components of the unit.
- Check that the unit is complete.
- Check the smooth running of the lift and the condition of the mechanisms.
- Check for oil leaks.
- Check that the table surface does not lower spontaneously.
- Check that all bolts and nuts are tightened securely.
- Check that the safety features are working properly.
- Visually check the condition of the electrical line supplying the appliance (electrical cable, MASTER STOP)
- Check the presence and condition of equipment markings (pictograms and instructions)



The operator and the person in charge of maintenance must observe the rules Health and safety at work and other relevant regulations in force in the country where the equipment is installed.

For the safety of the operator and others, leave at least 1 m of safe area around the lift when raising/lowering. The lift must only be operated from the operator's zone in this safe area. *Fig. 3: Safety zone.*

When determining the oil level, remember that the reservoir contains more fluid when the table surface is at its lowest position. Hydraulic oil must be treated as hazardous waste, so take special care when handling it!

7. OPERATION OF THE DEVICE

The load must be distributed evenly on the table surface, *Fig. 5: Correct weight distribution*.
See *Fig. 12: Technical data table* for maximum lifting capacity.

7.1. PLATFORM LIFT

Before lifting the table, check that none of the emergency switches are on, as this will prevent the table from lifting.

- Pressing the UP button will cause the power pack to start up and be ready to lift the table.
- Releasing the UP button will switch off the power supply.

7.2. LOWERING THE PLATFORM



Do not place your feet or hands on the scissor mechanism.

- Pressing the DOWN button will lower the platform.
- Releasing the DOWN button will bring the platform to a stop.



Fig. 6: Control pendant

NOTE!

- The platform is fitted with a protective aluminium under-beam frame (fitted with micro-switches) to avoid accidental guillotine hazards during lowering.
- If the aluminium frame encounters an object when lowering the table, the unit will stop. Then check the cause of the frame tripping.
- To unlock the device, move in the UP direction.

7.3. SAFETY BUTTON

There are three ways of stopping the unit in the event of a fault:

- Pressing the STOP emergency stop switch will bring the table platform to a stop. In order to eliminate potential risks, after pressing the STOP button and before unlocking it, it is necessary to first analyze what caused it to be triggered, i.e. to stop the machine.
- If pressure is exerted on the aluminum underframe, the lift will stop.
- Override of the MASTER STOP SWITCH (Installation on the customer's side - see *Chapter 2.2 Electrical installation*) will cause the unit to stop.

7.4. OPERATING TIME ENGINE

Permissible engine operation during one hour is less than 20 minutes.

7.5. DISPOSAL OF USED OIL

Store leaking consumables, i.e. oil, in suitable containers and protect them from getting to the ground.

Used oil that is removed from the feed unit and from the installation during replacement, must be treated as a pollutant in accordance with the legal provisions in force in the country where the table lift is installed.



If oil penetrates into the ground, it causes environmental pollution, which can result in material damage. Therefore, do not allow oil to penetrate the substrate. Dispose of used oil in an environmentally acceptable manner.

Hydraulic oil type HL32 required

7.6. SCRAPPING

Safety rules must be followed when scrapping the lift.

The lift must be dismantled by trained technicians, as in assembly. Metallic parts can be scrapped just like iron. In any case, all materials from the lift must be scrapped according to the applicable standards of the country in which the lift was installed. The scrapping must be documented according to the laws of the country of installation and scrapping.

7.7. BEFORE FIRST USE

Once the lift has been anchored, pour in the hydraulic oil, then carry out up/down lifting tests taking the precautions in this manual.

8. HYDRAULIC DIAGRAM AND ELECTRICAL DIAGRAM

Check Figure 5, Figure 6, Figure 7

8.1. LIFTING OF THE HYDRAULIC PLATFORM

The cylinder will extend when the electric motor driving the hydraulic pump is switched on. A hydraulic check valve and hydraulic solenoid valve then maintains pressure in the system, so the hydraulic cylinder will remain in a given position holding the tabletop at the specified height.

8.2. LOWERING THE HYDRAULIC PLATFORM

The electric hydraulic pump motor has been switched off. For lowering, the solenoid valve will be energized to release oil from the hydraulic cylinder back into the tank.

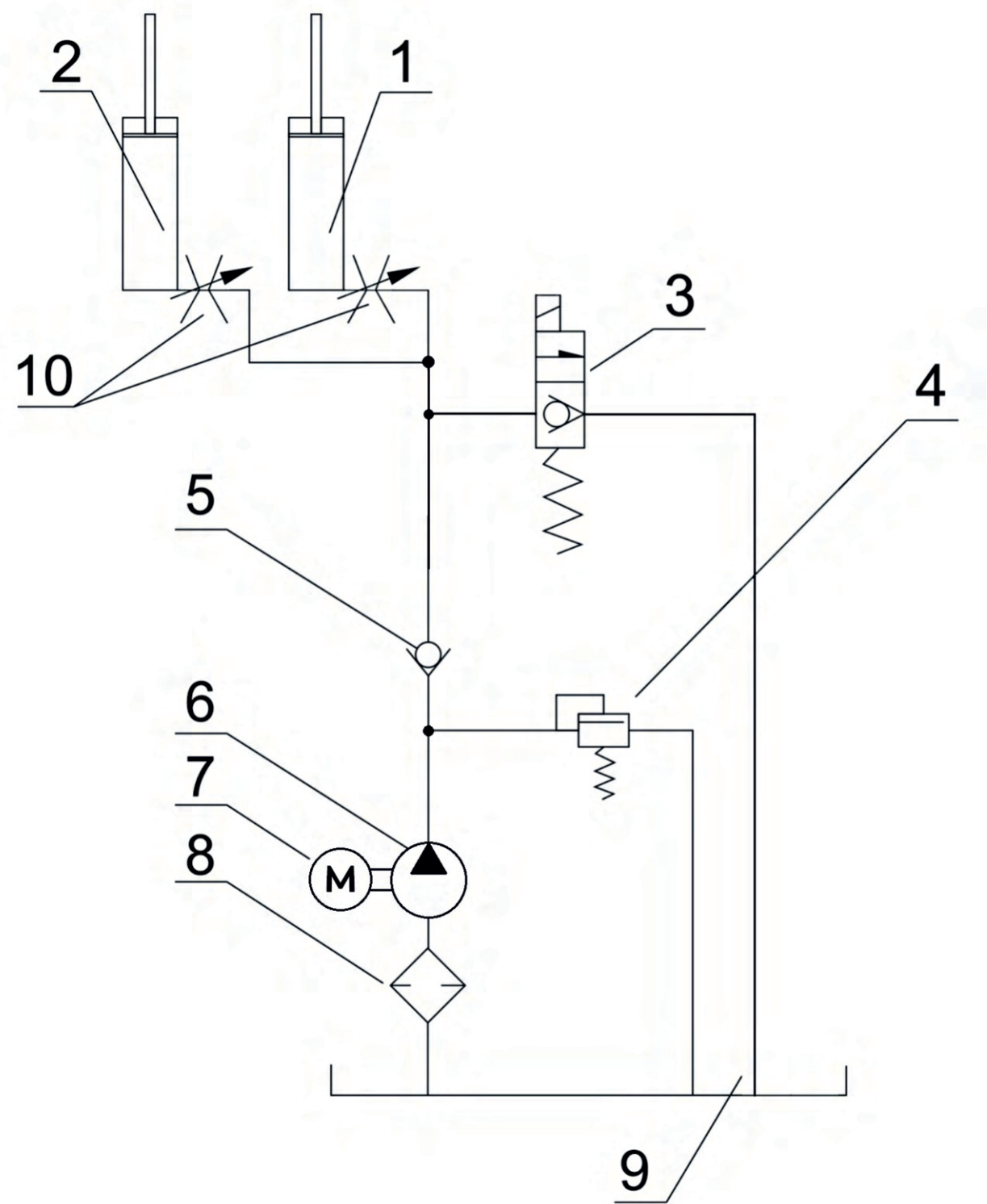
8.3. BRIEF CHARACTERISTICS OF THE VALVES

8.3.1. HYDRAULIC VALVE (FIG. 7. HYDRAULIC DIAGRAM)

Process medium: Hydraulic oil, type L-HM46

Maximum operating pressure: 3600PSI (250 bar) Max flow: 0-28 l/min Temperature: - 35°C to + 120°C

Fig. 7: Hydraulic diagram



1	Hydraulic cylinder	2	Hydraulic cylinder	3	Control valve	4	Overload protection valve	5	Non-return valve
6	Pump	7	Engine	8	Oil filter	9	Oil tank	10	Throttling valves

8.3.2 HYDRAULIC DIAGRAM AND ELECTRICAL DIAGRAM

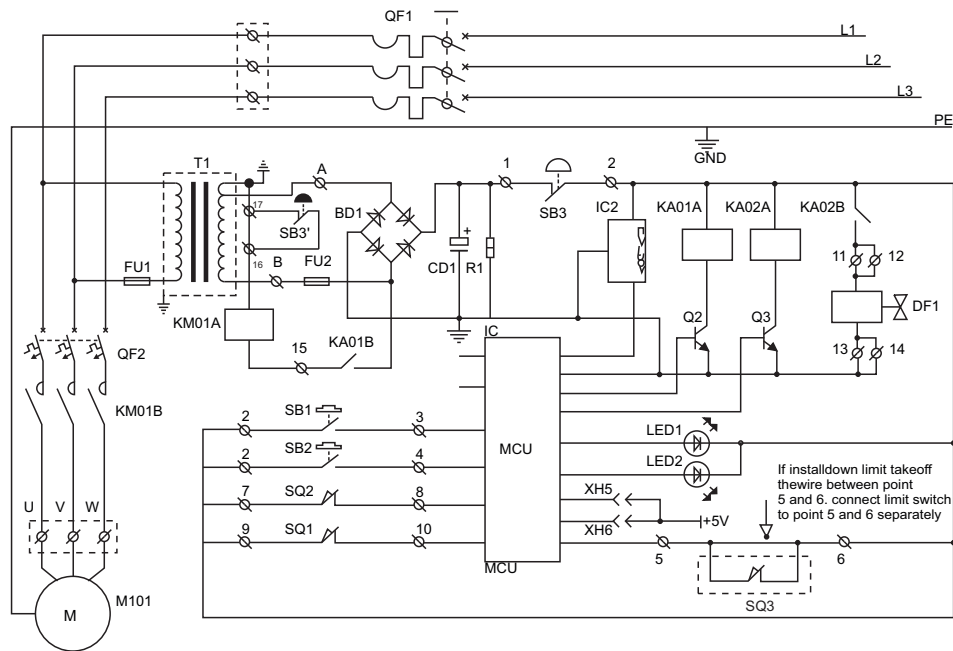


Fig. 8: Electrical diagram

No.	Symbol	Name	Description	Quantity
1	QF1	Main switch		1
2	KM01B	Coil contact KM01A		1
3	M101	Oil pump induction motor		1
4	FU1	Fuse 3A		1
5	T1	Power controller transformer		1
6	KM01A	Contactor control coil KM01A		1
7	KA01B	Coil contact KA01A		1
8	FU2	Fuse 3A		1
9	BD1	Rectifier bridge 5A		1
10	CD1	Capacitor		1
11	R1	Resistor		1
12	SB3	Safety switch, channel 1		1
13	IC2	SMPS mains adapter		1
14	KA01A	Contactor control coil KA01B		1
15	KA02A	Contactor control coil KA02B		1
16	KA02B	Coil contact KA02A		1
17	Q2	Transistor		1
18	Q3	Transistor		1
19	DF1	24V DC solenoid valve		1
20	LED1	LED indicating solenoid valve operation	(optional)	1
21	LED2	LED indicating solenoid valve operation	(optional)	1
22	XH5	Additional connections for signalling operation system	(optional)	1
23	XH6	Additional connections for signalling operation system	(optional)	1
24	MCU	Microcontroller (Control unit scissor lift system, incorporating logic gates)		1
25	SQ3	Lower limit switch		1
26	SB1	Control button 'UP'		1
27	SB2	Control button 'DOWN'		1
28	SQ1	Guillotine safety bar limit switch		1
29	SQ2	Guillotine safety bar limit switch		1
30	QF2	Pump motor thermal protection		1
31	SB3'	Safety switch, channel 2		1

Fig. 9: Components

9. MAINTENANCE INSTRUCTIONS

Insufficient or untimely maintenance and/or repair of the machine increases the level of risk and can lead to faults, high repair costs and long downtimes. Therefore, the work described in the maintenance schedule must be carried out conscientiously.

9.1. IMPORTANT NOTES FOR PRESERVERS

- Regular checks should be carried out on connectors, seals and any oil leaks.
- The effectiveness of the table should be checked regularly.
- Ensure that the power is switched off before repairs are made. After repairs have been made, it is necessary to check the efficiency of the lift.
- ONLY qualified personnel may repair the unit. Regular checks must be made on the microswitches on the safety frame.
- Perform checks on the hydraulic system by listening to the sound and touching the engine surface.



- **WARNING: Be sure to switch off the power before touching the surface**
Take care to clean and replace the oil filter after prolonged use.
- The hydraulic system must be checked for leaks. Any external leakage of the working fluid is unacceptable.
In the case of internal leakage in the hydraulic system, the vertical component of the descent of the platform, loaded with the nominal load, must not exceed 10 mm in 10 min.
- Adequate lubrication is essential to make the operation of the lift easier and to prolong the life of the equipment.
- Adequate personal protective equipment must be worn during the activity.
- If parts or components of the unit are replaced, spare parts with identical characteristics and performance to the original must be used.
- If the load-bearing elements are replaced, the appropriate tests must be carried out (see EN1570 Annex C).

9.2. TABLE OF REGULAR CHECKS

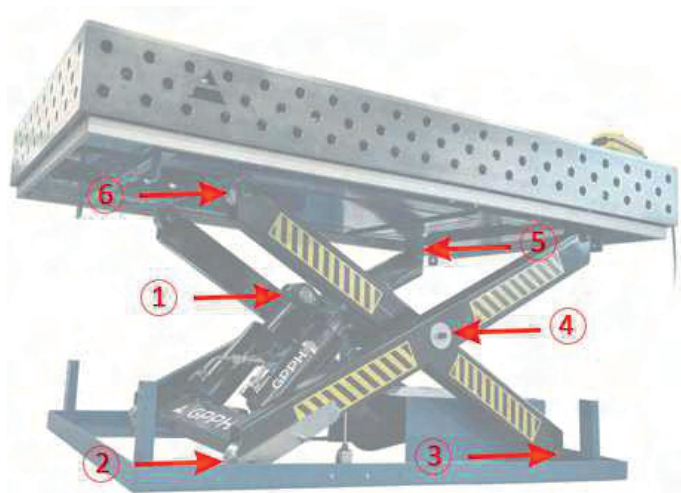
	Operations performed by the operator	Actions performed by an authorised conservator	Actions performed by an authorised conservator
	Every day before start-up	After every 500 working hours or every three months	After every 2000 working hours or every year
Check connection and hydraulic hoses for leaks	★		
Visually and aurally check the operation of the unit. Check the condition of the supporting structure. Check control. Check the power supply.	★		
Check the oil level in the oil tank	★	★	
Check nuts and bolts for tightness	★		

Check the contamination status of the oil filter		★	
Re-tighten all connecting parts		★	
Check the wear and tightness of the pressurised oil lines	★	★	
Check the correct functioning of the hydraulic system		★	
Check the fixing of the table to the ground		★	
Check all anchors, tighten if necessary		★	
Check the functionality of the STOP switch, under-beam microswitches, lift limit switch	★	★	
Perform a full lift cycle		★	
Lubricate all moving parts		★	
Check for wear on the pins and their seats		★	★
Change the hydraulic oil for the first time			
Change the hydraulic oil			★
Check the hydraulic system for leaks			★
Check the correct functioning of the electrical system (motor, limit switches, control panel)			★
NOTE: ★ indicates the need to execute the order in a given period			



Note: Before carrying out maintenance work or before greasing, use a mechanical support to lock the platform so that the table does not accidentally lower.

9.3. POINTS LUBRICATION



1. Piston rod bearing
2. Lower moving wheel
3. Lower arm link
4. Centre of the arm
5. Upper arm link
6. Upper moving wheel

Fig. 10: Lubrication points



When lubricating the above-mentioned points, the device must not be loaded!

10. SOLVING PROBLEMS

PROBLEM	POSSIBLE CAUSE	SOLUTION
The table does not rise during normal engine operation	The eye bolt has not been removed.	Remove the eyebolt.
	Electromagnetic disturbances.	Check the functioning of the electromagnetic cable and repair it.
	The lift is overloaded	Reduce the load weight of the lift.
	The amount of oil in the tank is not sufficient.	Add oil.
	The lift button is defective.	Check, replace if necessary.
	Poor AC flow.	Correct the AC voltage.
	Fogged hydraulic system.	Vent.
Engine does not run, table does not raise	The main switch is off.	Attachment.
	No power supply.	Check power supply, restore if necessary.
	The electrical cables are disconnected.	Connect.
	Blown fuse.	Check/replace.
The table does not lower	The lowering limit switch or other microswitch on the safety guard is defective.	Check the switch or microswitch and replace if necessary.
	The lowering valve is not working properly.	Check the switch or microswitch and replace if necessary.
	The height lock is locked.	Unlock.
	Air pressure too low.	Check the pneumatic installation.
	Damage to the electromagnetic cable.	Check the operation of the electromagnetic cable and replace if necessary.
	The protective frame works.	Press the UP button.
	The electrical system is not working properly.	Replace the integrated circuit.
When lowering the table, the legs exceed the end limit, if any	Internal leakage in the electromagnetic cable.	Repair the electromagnetic cable and, if necessary, replace it.
	The seal of the power pack is damaged.	Check the sealant, replace it.
Lift does not lower smoothly	Fouled hydraulic system	Vent
	Slide lubrication is insufficient	Lubricate
	The slides are damaged	Replace
The table cannot reach the highest position	Insufficient oil quantity. Limit switch is broken.	Top up the oil level. Check and repair the switch. If necessary, replace it.

11. RISKS AND SAFETY MEASURES

The machine does not emit non-ionising radiation, which can have an adverse effect on the operator or on exposed persons.

11.1. PERSONAL PROTECTIVE EQUIPMENT DURING OPERATION AND MAINTENANCE

- Safety glasses,
- Protective gloves,
- Safety footwear that must have safety toecaps
- Protective measures for welding personnel, if this type of work is carried out.

11.2. RISK OF SLIPPAGE

Risks can arise through grease and oil spills on the floor and other substances that reduce adhesion. It is advisable to wear special non-slip footwear and to follow the rules for keeping the workplace tidy.



Keep the area around the lift tidy at all times. Remove oil stains, wear non-slip footwear.

11.3. RISK OF ELECTROCUTION

Avoid using water, steam, solvents and varnish in the area where electrical cables and apparatus are located and, in particular, at the electrical panel.

11.4. DANGER TO LIFE FROM A FALLING PLATFORM

If, during work carried out on the platform area, it suddenly slides uncontrollably, this can lead to fatal injuries to people. Therefore, before carrying out all maintenance and repair work with the platform raised, deploy both safety supports at the base of the frame.

Reassemble the safety supports after maintenance and repair work is complete.

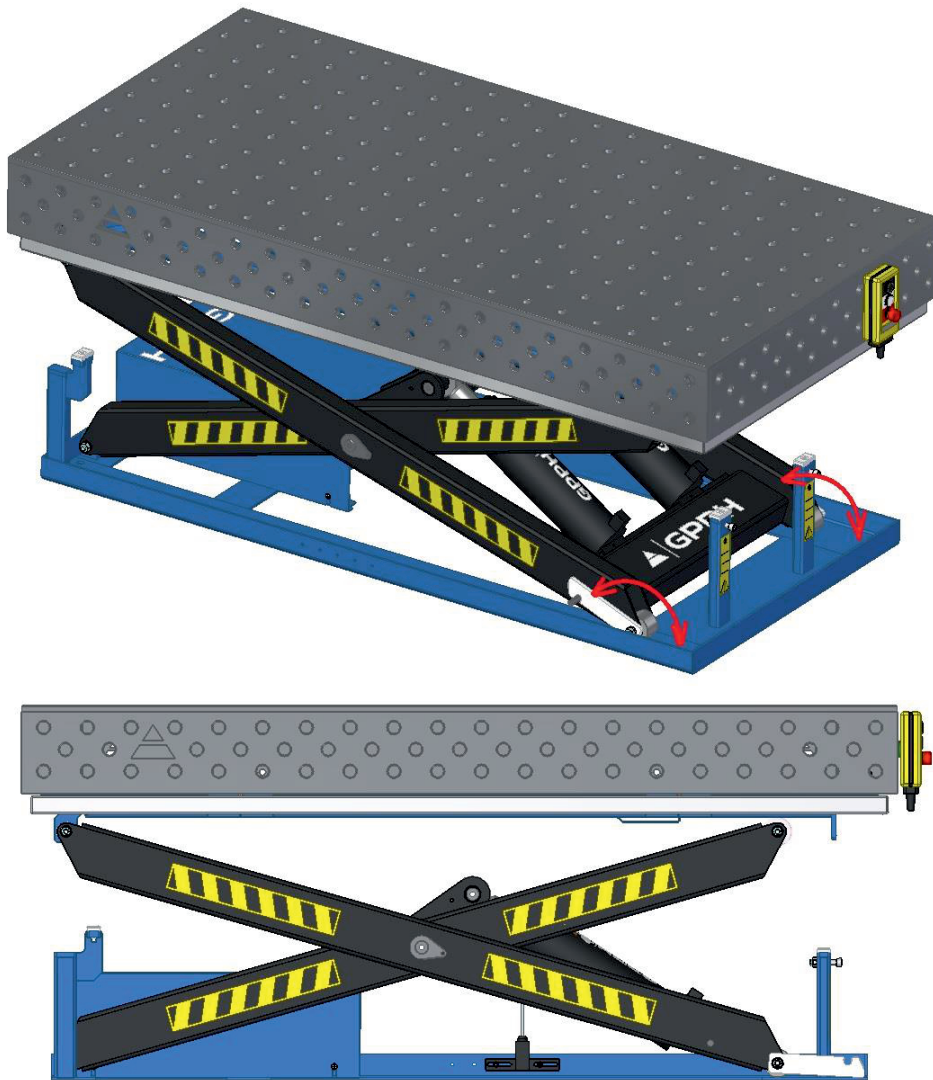


Fig. 11: Safety supports

11.5. DANGER TO LIFE FROM A LOADED PLATFORM

If the platform is loaded when carrying out maintenance and repair work, there is an increased risk of injury. It is therefore only permissible to carry out maintenance and repair work and to dismantle maintenance supports when the platform is unloaded.

11.6. DANGER OF BURNS FROM CONTACT WITH HOT USED OIL

There is a danger of scalding when draining used hot oil from the tank, so oil changes should only be carried out when it has reached body temperature.

11.7. RISK OF INJURY FROM HYDRAULIC FLUID ESCAPING

Hoses, bolt fixings and other structural components of the machine are under high pressure. In the event of damage to these components or improper installation, fluids escaping at high pressure can cause severe injury, so have the pressure hoses replaced immediately by qualified personnel in the event of wear over time, moisture or tears.

11.8. RISK OF INADEQUATE LIGHTING

The surroundings of the lift must be well and evenly lit, in accordance with local regulations.

11.9. RISK OF DAMAGE TO ELEVATOR COMPONENTS

The manufacturer has used materials and procedures appropriate to the designed parameters of the welding table to build a safe and reliable product. Use the equipment only for the purpose for which it was designed and follow the maintenance schedule.

11.10. RISKS ASSOCIATED WITH INAPPROPRIATE USE

The presence of unauthorized persons near the lift while it is in operation is prohibited. Persons must not stand or sit on the platform while the lift is in operation.

CAUTION: The warnings, cautions and instructions given in this manual may not cover all conditions and situations that may occur. The operator must understand that common sense and caution are factors that cannot be integrated into this product, but must be provided by the operator.

11.11. NOISE EMISSION PARAMETERS

The sound pressure level does not exceed 70 dB.

11.12. TEST REPORT

The device was subjected to static, dynamic and functional tests at the manufacturer. The result of the tests is positive.

11.13. RESIDUAL CAPACITY

According to the provisions of PN-EN 1570-1+A1:2014-11, the equipment has been designed and manufactured to safely operate for no less than 128×10^3 duty cycles, over a period of 10 years of operation. Category 1. The degree of service life should be monitored by the operator and recorded e.g. in a maintenance logbook.

A special inspection of the unit should be carried out after 128×10^3 duty cycles or after the unit has been in service for 10 years, whichever comes first.

12. DATA TECHNICAL DATA

model		XWT_M_1600KG	XWT_L_1500KG	XWT_XL_3500KG	XWT_XXL_3400KG
load capacity [kg]		1600	1500	3500	3400
minimum height [mm]		490 (+/-30)	490 (+/-30)	530 (+/-30)	560 (+/-30)
maximum height [mm]		1200 (+/-30)	1200 (+/-30)	1370 (+/-30)	1600 (+/-30)
length of tabletop [mm]		1500	1500	2000	2400
width of tabletop [mm]		1000	1480	1000	1200
estimated time of lifting with load [s]		20~30	20~30	30~40	45~55
engine	output power [W]	2200			
	voltage [V]	400			
	revolutions [r/min]	1450			
	protection class	IP54			
	insulation class	F.			

Figure 12: Technical data table

12.1. MODEL-XWT M 1600KG

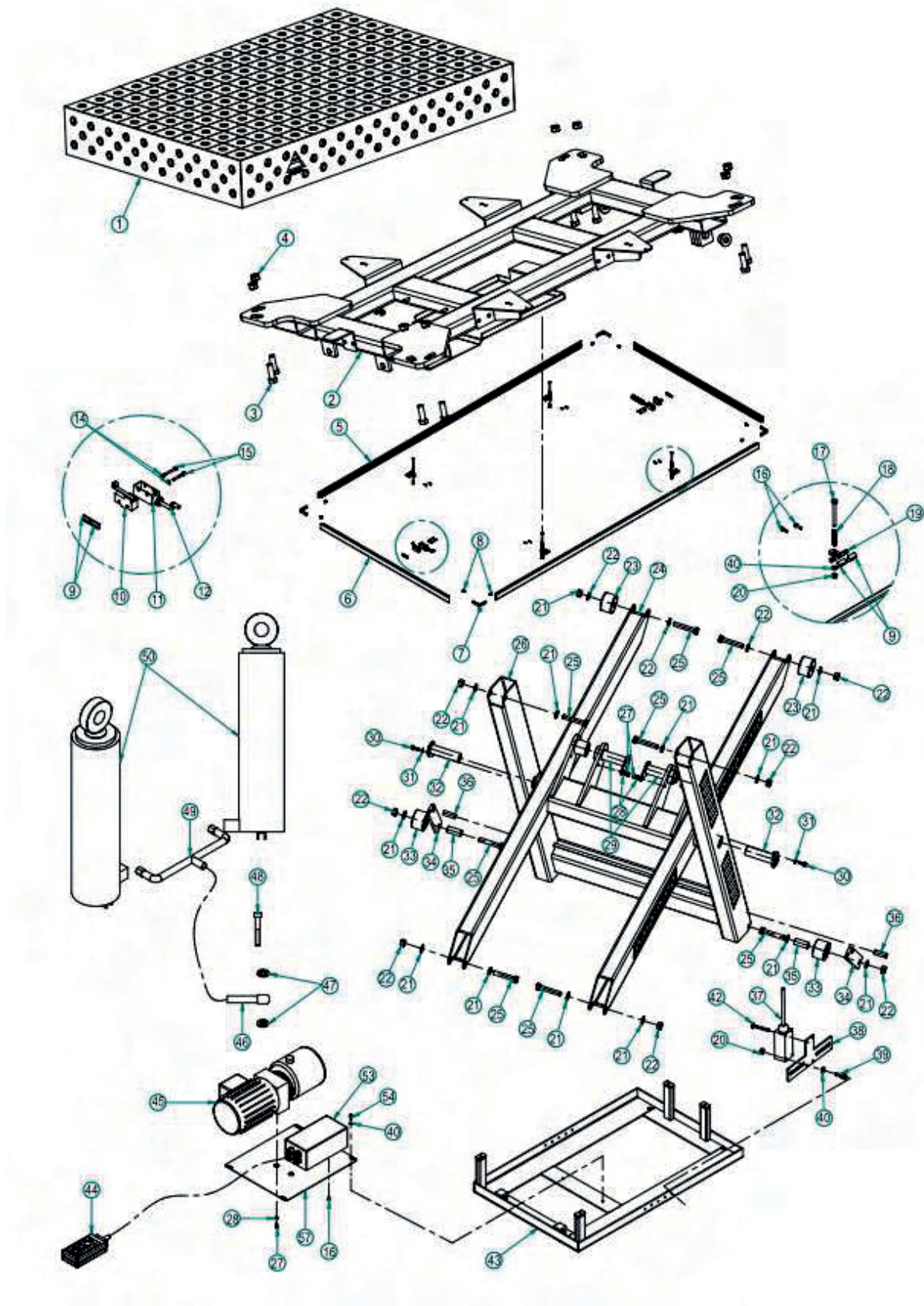


Fig. 13: Components and subassemblies of the XWT_M_1600KG

MODEL TABLE PARTS LIST XWT_M_1600KG		
NR	NAME	QUANTITY
1	Welding table GPPH	1
2	Welding table mounting frame	1
3	Screw M16x50	8
4	Nut M16	8
5	Safety frame	2
6	Safety frame	2
7	Safety frame connector	4
8	Screw M8x12	8
9	Connecting block	12
10	Contactor	2
11	Contactor housing	2
12	Spiral cable	2
14	M4 washer	4
15	Screw M4x30	4
16	Screw M4x14	12
17	Screw M6x60	4
18	Spring	4
19	Barrier holder	4
20	Nut M6	5
21	M14 nut	8
22	M14 washer	8
23	Slip wheel	2
24	Lift frame	1
25	Screw M14x80	8
26	Lift frame	1
27	Screw M8x20	6
28	M8 washer	6
29	Safety pin	2
30	M8 pad	2
31	Screw M8X12	2
32	Safety pin	2
33	Slip wheel	2
34	Locking plate	2
35	Slip wheel bushing	2
36	Trigger pin	2
37	Contactor	1

38	Contacteur board	1
39	Screw M6x18	1
40	M6 washer	11
42	Screw M 4	4
43	Lift base	1
44	Remote control	1
45	Pump unit	1
46	Power cable	1
47	Sealing washer	2
48	Special screw	1
49	Distributor	1
50	Actuator	2
53	Controller box	1
54	Screw M6x12	4
57	Base plate	1

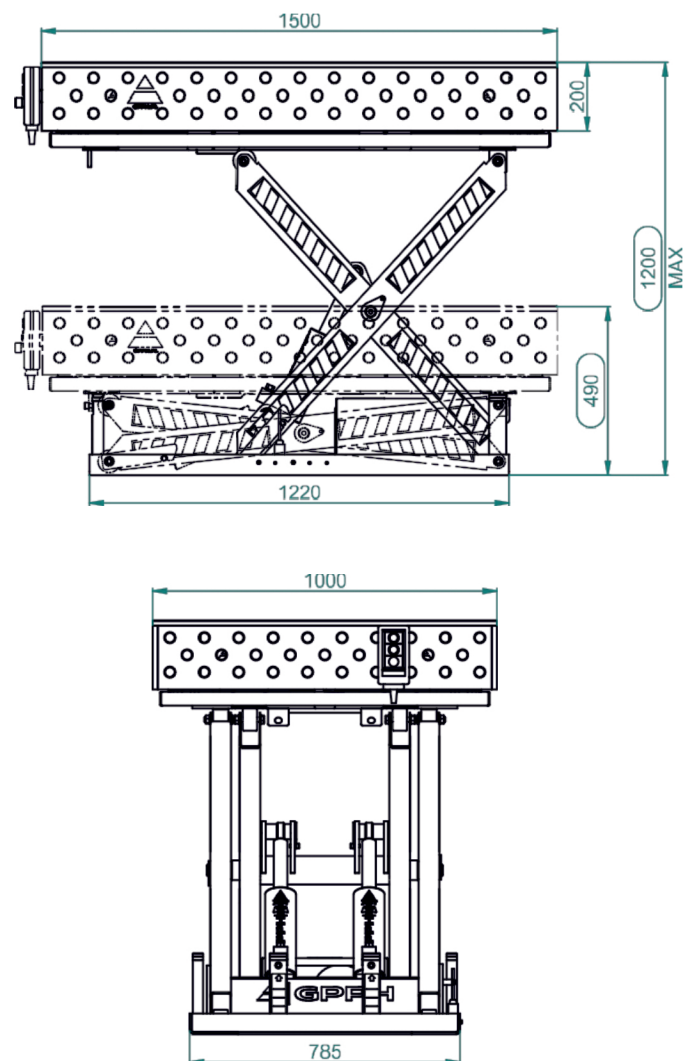


Fig. 14: Scissor lift XWT_M_1600KG

12.2. MODEL-XWT L 1500KG

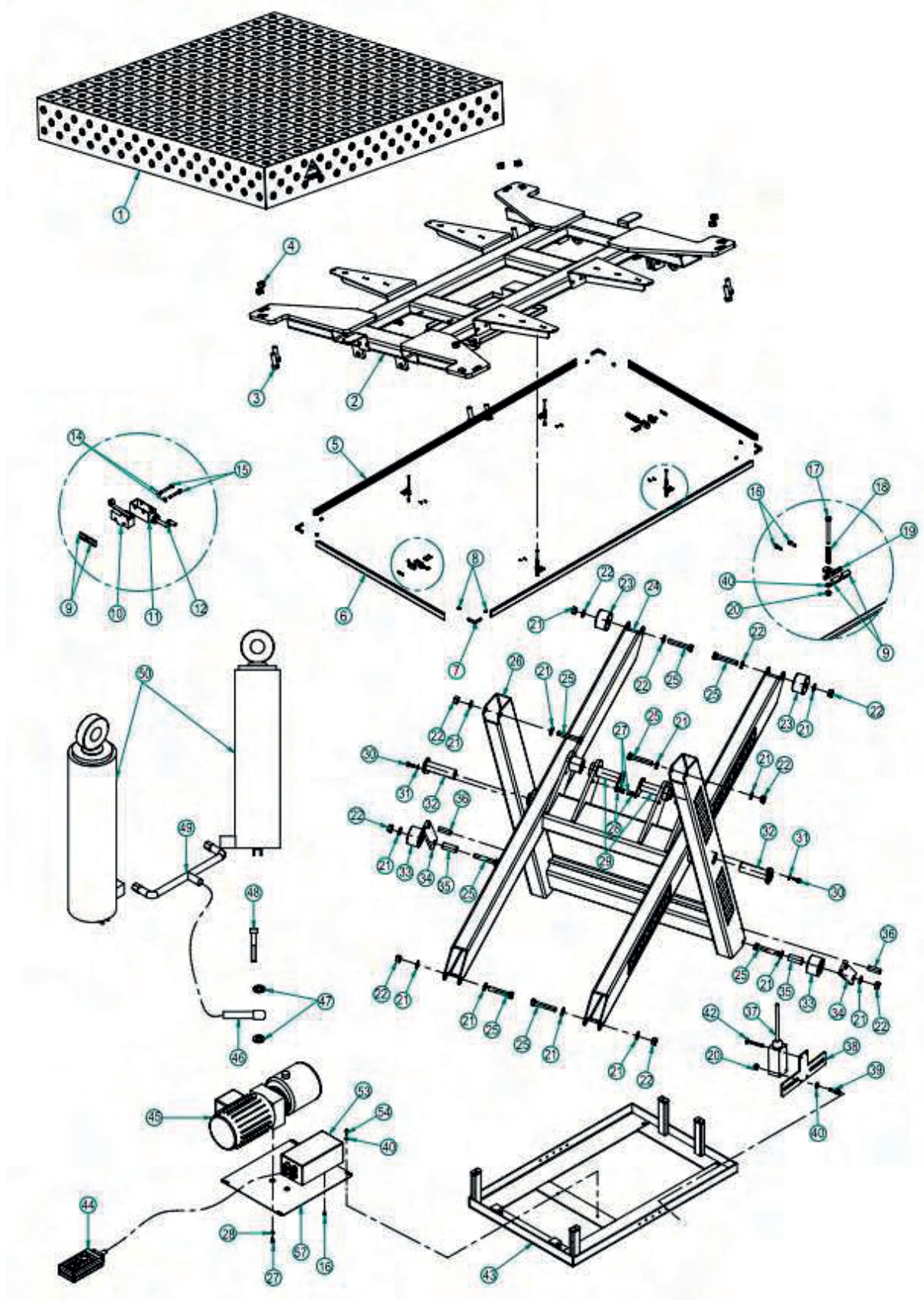


Figure 15: Components and subassemblies of the XWT_L_1500KG

TABLE PARTS LIST MODEL XWT_L_1500KG		
NR	NAME	QUANTITY
1	Welding table GPPH	1
2	Welding table mounting frame	1
3	Screw M16x50	8
4	Nut M16	8
5	Safety frame	2
6	Safety frame	2
7	Safety frame connector	4
8	Screw M8x12	8
9	Connecting block	12
10	Contactor	2
11	Contactor housing	2
12	Spiral cable	2
14	M4 washer	4
15	Screw M4x30	4
16	Screw M4x14	12
17	Screw M6x60	4
18	Spring	4
19	Barrier holder	4
20	Nut M6	5
21	M14 nut	8
22	M14 washer	8
23	Slip wheel	2
24	Lift frame	1
25	Screw M14x80	8
26	Lift frame	1
27	Screw M8x20	6
28	M8 washer	6
29	Safety pin	2
32	Safety pin	2
33	Slip wheel	2
34	Locking plate	2
35	Slip wheel bushing	2
36	Trigger pin	2
37	Contactor	1
38	Contactor board	1
39	Screw M6x18	1
40	M6 washer	11
42	Screw M 4	4
43	Lift base	1
44	Remote control	1
45	Pump unit	1

46	Power cable	1
47	Sealing washer	2
48	Special screw	1
49	Distributor	1
50	Actuator	2
53	Controller box	1
54	Screw M6x12	4
57	Base plate	1

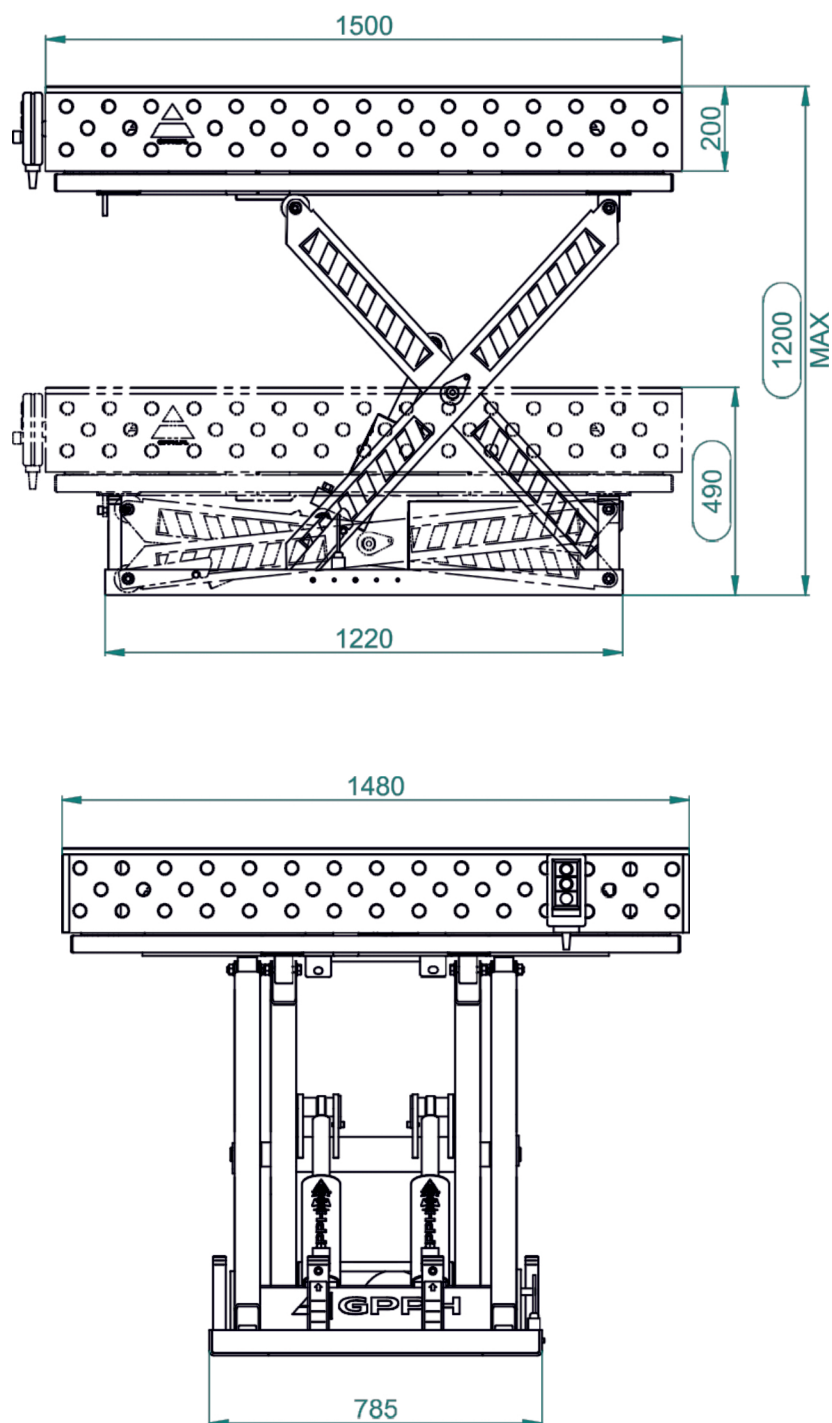


Fig. 16: Scissor lift XWT_L_1500KG

12.3. MODEL- XWT_XL_3500KG

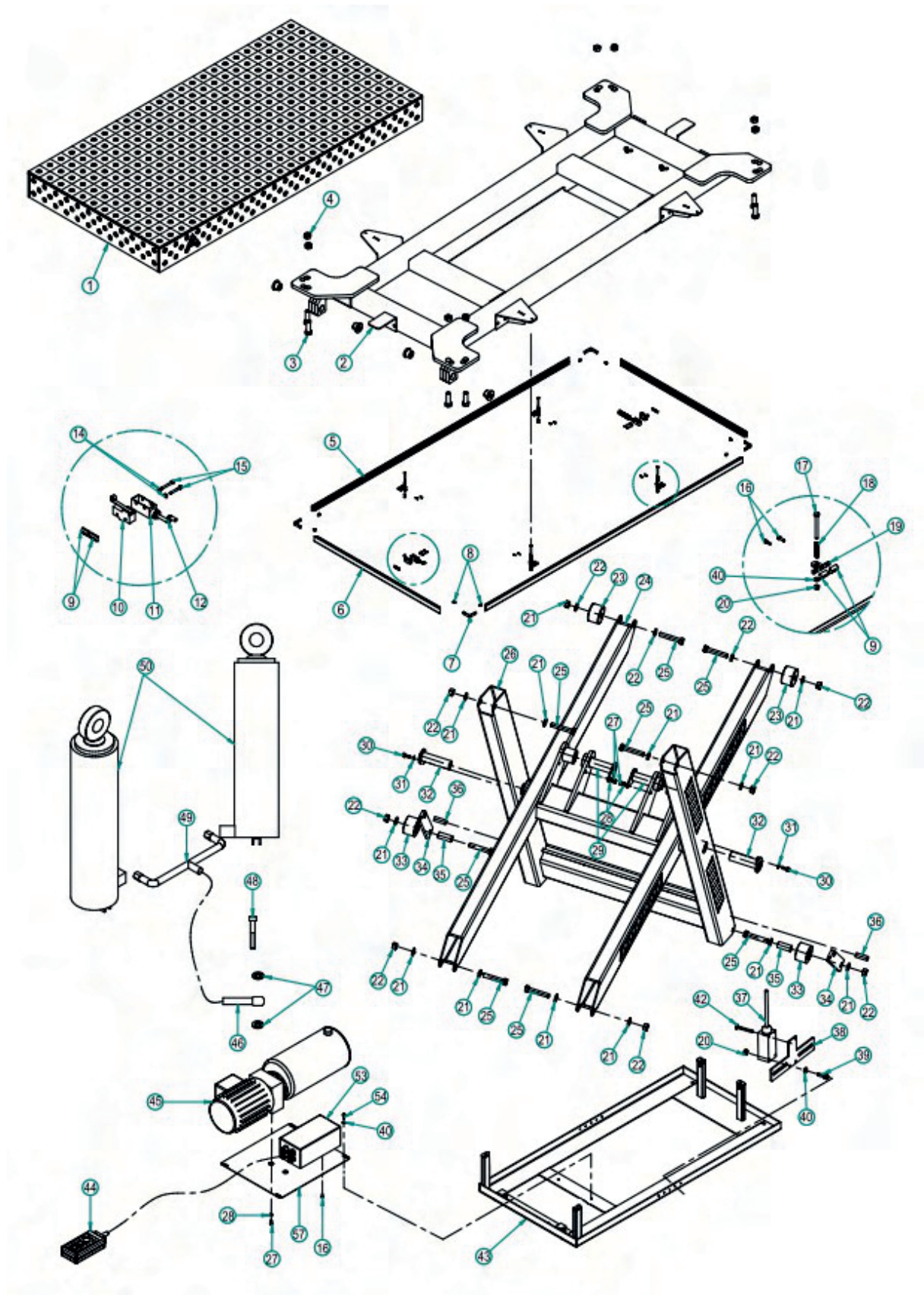


Figure 17: Components and subassemblies of the XWT_XL_3500KG

TABLE PARTS LIST MODEL XWT_XL_3500KG		
NR	NAME	QUANTITY
1	Welding table GPPH	1
2	Welding table mounting frame	1
3	Screw M16x50	8
4	Nut M16	8
5	Safety frame	2
6	Safety frame	2
7	Safety frame connector	4
8	Screw M8x12	8
9	Connecting block	12
10	Contactor	2
11	Contactor housing	2
12	Spiral cable	2
14	M4 washer	4
15	Screw M4x30	4
16	Screw M4x14	12
17	Screw M6x60	4
18	Spring	4
19	Barrier holder	4
20	Nut M6	5
21	M14 nut	8
22	M14 washer	8
23	Slip wheel	2
24	Lift frame	1
25	Screw M14x80	8
26	Lift frame	1
27	Screw M8x20	6
28	M8 washer	6
29	Safety pin	2
32	Safety pin	2
33	Slip wheel	2
34	Locking plate	2
35	Slip wheel bushing	2
36	Trigger pin	2
37	Contactor	1
38	Contactor board	1
39	Screw M6x18	1
40	M6 washer	11

42	Screw M 4	4
43	Lift base	1
44	Remote control	1
45	Pump unit	1
46	Power cable	1
47	Sealing washer	2
48	Special screw	1
49	Distributor	1
50	Actuator	2
53	Controller box	1
54	Screw M6x12	4
57	Base plate	1

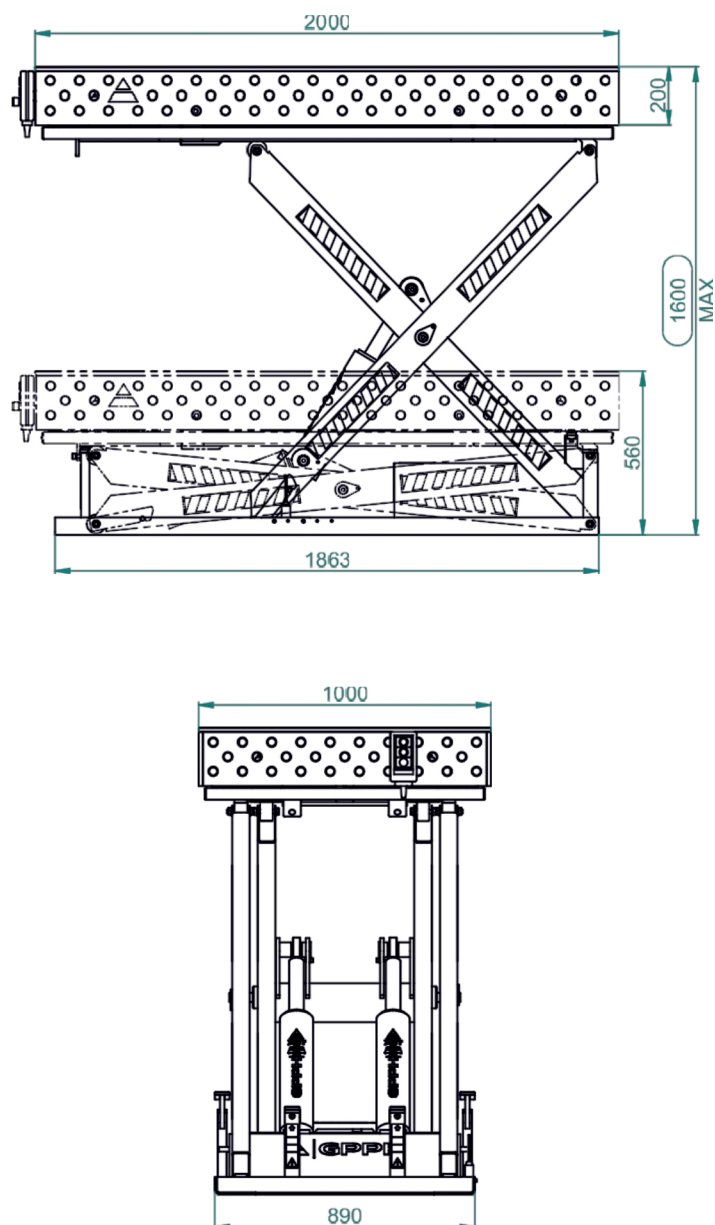


Fig. 18: Scissor lift XWT_XL_3500KG

12.4. MODEL-XWT XXL 3400KG

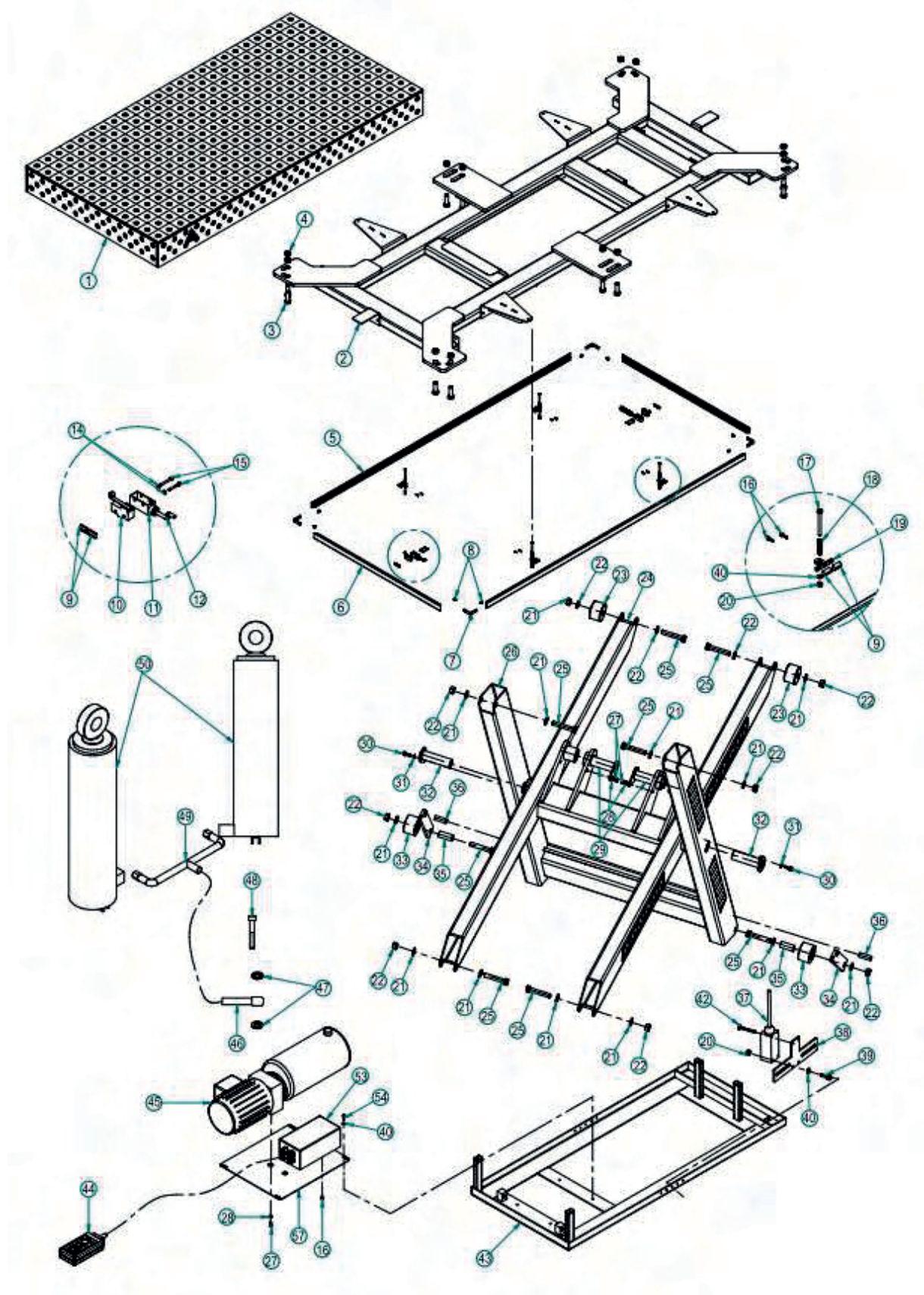


Figure 19: Components and subassemblies XWT_XXL_3400KG

TABLE PARTS LIST MODEL XWT XXL 3400KG		
NR	NAME	QUANTITY
1	Welding table GPPH	1
2	Welding table mounting frame	1
3	Screw M16x50	12
4	Nut M16	12
5	Safety frame	2
6	Safety frame	2
7	Safety frame connector	4
8	Screw M8x12	8
9	Connector block	12
10	Contactor	2
11	Contactor housing	2
12	Spiral cable	2
14	M4 washer	4
15	Screw M4x30	4
16	Screw M4x14	12
17	Screw M6x60	4
18	Spring	4
19	Barrier holder	4
20	Nut M6	5
21	M14 nut	8
22	M14 washer	8
23	Slip wheel	2
24	Lift frame	1
25	Screw M14x80	8
26	Lift frame	1
27	Screw M8x20	6
28	M8 washer	6
29	Safety pin	2
32	Safety pin	2
33	Slip wheel	2
34	Locking plate	2
35	Slip wheel bushing	2
36	Trigger pin	2
37	Contactor	1
38	Contactor board	1
39	Screw M6x18	1
40	M6 washer	11
42	Screw M 4	4
43	Lift base	1
44	Remote control	1
45	Pump unit	1
46	Power cable	1

47	Sealing washer	2
48	Special screw	1
49	Distributor	1
50	Actuator	2
53	Controller box	1
54	Screw M6x12	4
57	Base plate	1

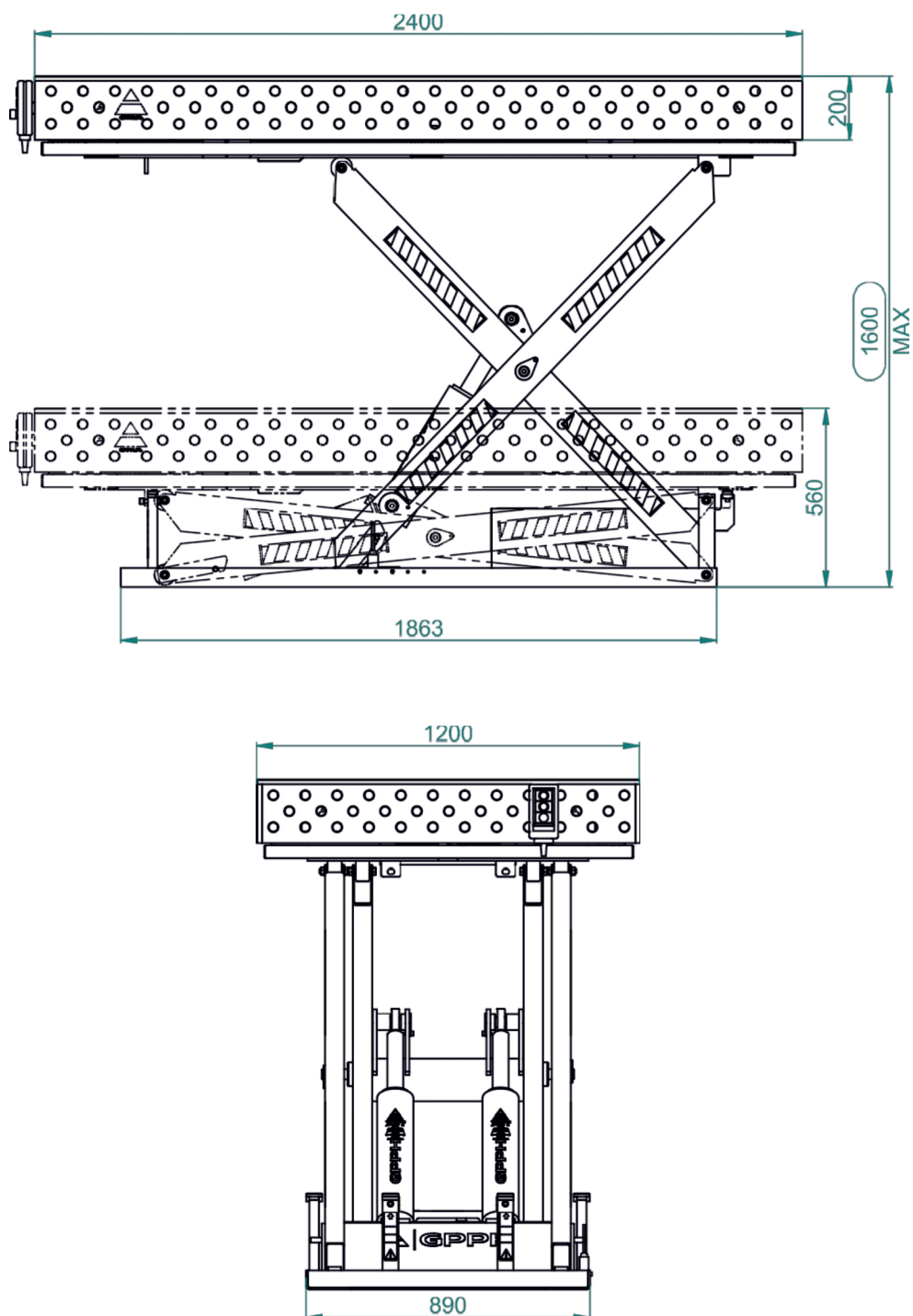


Fig. 20: Scissor lift XWT_XXL_3400KG

13. GENERAL WARRANTY CONDITIONS

The manufacturer of the equipment assures the user of the good quality of the equipment and provides a guarantee for the equipment in accordance with the following:

- 24-month guarantee on tabletop construction.
- 12 month guarantee on the scissor lift (structure, hydraulics, motor, electrics).

Counting from the date of receipt or installation, which has not taken place more than 30 days after delivery, except where installation has not taken place through the fault of the seller.

The scope of the guarantee covers only free replacement or repair of defective parts, damaged due to reasons inherent in the sold item, and labour costs. During the 12-month warranty period, the appliance requires maintenance and regular periodic inspections to be carried out on the dates specified in the documentation and recorded each time according to the table attached to the operating manual. The inspections should be carried out by persons holding the appropriate qualifications¹.

Defective parts will be replaced within a mutually agreed period, no longer than 30 working days from the date of written notification. In exceptional cases requiring the import of specialized components, the repair time may be longer - the manner of proceeding will then be agreed individually. The warranty notification must be submitted within 3 days from the date the defect was revealed, otherwise the warranty rights are lost. The condition for the exercise of warranty rights is that the customer presents the purchase document of the device or the document of release from the warehouse, on the basis of which the device was received.

The guarantee does not cover:

- Normal wear and tear of parts due to use.
- Defects caused by third parties, damage during transport and handling and as a result of such damage².
- Damage caused by improper installation, use,
- Lack of maintenance and carelessness on the part of the customer, including failure to replace consumable parts, and use of the equipment contrary to its intended use, the instructions for use, the indications and recommendations given in the documentation accompanying the product, and health and safety regulations.
- Mechanical damage to the product and defects caused by it.
- Damage from fire, flood, lightning or other natural disasters, wars, civil unrest, accidents, power surges, improper electrical connections, mechanical damage to paintwork, corrosion from pressure washing or lack of maintenance or cleaning³.

¹ A person holding a qualification certificate in hoist maintenance issued by the Office of Technical Inspection.

² A damage report must be drawn up in the presence of the courier or shipping company delivering the device. Protocols written at a later date will not be taken into account.

³ Regular cleaning of all dirt is the best practice against wear and rust formation, it also significantly prolongs the lifter's life. Dirt and deposits that can cause rust formation: salt against ice, sand, small stones, earth; all types of industrial dust, water, also

- Devices in which persons other than those authorised by GPPH S.C. K. Rzeźnik, W. Piechota carried out unauthorised changes in the device's construction, repairs or guarantee inspections, as well as performing service inspections in a limited scope or not adhering to the time intervals specified in the operating manual.
- Appliances whose nameplate has been tampered with, falsified or obliterated in any way.

Warranty entitlements do not include a claim for reimbursement of lost profits due to the failure of the device. All repairs carried out after the warranty period are chargeable. The warranty is valid on the territory of Poland.

Obligations of the user under the guarantee conditions:

- Follow all recommendations in the operating instructions;
- Once the lift installation has been completed, send a copy of the "lift table installation protocol" to the guarantor;
- Use the lift for its intended purpose in conditions to which there is no objection: Carry out regular checks, inspections and maintenance⁴ and document the results according to the auxiliary table enclosed in the operating instructions.
- Observe recommendations for the replacement of parts and consumables;
- Carry out servicing operations only by suitably qualified and authorized persons.

Warranty notification.

The serial number must be stated and a written reference to the purchase document or other document from which the date of purchase of the device can be clearly established.

Guarantor details below:

GPPH S.C. KRZYSZTOF RZEŹNIK, WIESŁAW PIECHOTA

UL. RACŁAWICKA 7

39-300 MIELEC

NIP: 8172185047; REGON: 368399534

biuro@gpph.pl

in combination with ambient factors, all types of aggressive substances, continuous humidity due to inadequate ventilation; specific type of work carried out with the lift.

⁴ If the lift is operated continuously or in contaminated (dusty, humid, etc.) environments, the frequency of maintenance should be increased.

Model declaration of conformity:



EC Declaration of Conformity Deklaracja zgodności CE

Manufacturer/Producent: GPPH S.C. K. Rzeźnik, W. Piechota
Racławicka 7, 39-300 Mielec

We declare, that the following machinery complies with all the relevant requirements of directives: 2006/42/EC, 2014/35/EU, 2014/30/EU.
Deklarujemy iż poniższe urządzenie spełnia wszystkie odpowiednie przepisy dyrektyw: 2006/42/WE, 2014/35/UE, 2014/30/UE.

Person authorised to compile the technical file; legal representatives of
GPPH S.C. K. RZEŹNIK, W. PIECHOTA, ul. Racławicka 7, 39-300 MIELEC
Osoba upoważniona do przygotowania dokumentacji technicznej; prawni przedstawiciele firmy
GPPH S.C. K. RZEŹNIK, W. PIECHOTA, ul. Racławicka 7, 39-300 MIELEC

Description of machinery	Hydraulically lifted welding table
Nazwa urządzenia	Stół spawalniczy podnoszony hydraulicznie
Function	Assembly and welding of metal structures with stepless height adjustment
Funkcja	Montaż i spawanie konstrukcji metalowych z możliwością bezstopniowej regulacji wysokości
Serial number	
Numer seryjny	
Type of machinery	
Typ urządzenia	
Model number	
Model urządzenia	
Year of production	
Rok produkcji	
Trading name	GPPH Welding Table with hydraulic lifting
Nazwa handlowa	GPPH Stół Spawalniczy z hydraulicznym systemem podnoszenia

Harmonized European Standards: PN-EN ISO-12100:2012, PN-EN 60204-1:2018-12, PN-EN 1570-1+A1:2014-11
Zgodność z Normami Europejskimi: PN-EN ISO-12100:2012, PN-EN 60204-1:2018-12, PN-EN 1570-1+A1:2014-11

This declaration will be invalid with any unauthorized change of machinery or equipment.
Deklaracja straci swoją ważność, jeśli zostaną dokonane zmiany w urządzeniu bez zgody i wiedzy producenta.

Bringing into service and operation of the machinery is prohibited until it has been determined that the machine has been installed in accordance with the manufacturer's instructions specified in the manual. The person operating the machine must be properly trained.

Eksploatacja urządzenia zabroniona jest do czasu, aż zostanie sprawdzone, że maszyna została zamontowana zgodnie z zaleceniami producenta określonymi w instrukcji. Osoba obsługująca maszynę musi być odpowiednio przeszkolona.

Place, date
Miejscowość, Data

Empowered person (name & surname)
Osoba upoważniona (imie i nazwisko)



Figure 21: Model declaration of conformity

14. LOGBOOK

Date	Action performed	Decision	Name and Surname Entitlement number	Signature