Operating Instructions

Aggregate lift table Master Gear 1,2

Type	VAS 6131A
Serial number	
Date	

Contents

03.2006

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1 Safety

1.1 Safety Hints in these Instruction

Draws attention to the fact that disregard for these instructions could lead to serious or even deadly consequences.

Draws attention to the fact that disregard of these instructions could under certain circumstances lead to injuries.

Indicates that disregard of these instructions could lead to the damage of the machine or goods on the machine.

Work that is indicated by this symbol must be carried out by a competent tradesman (electrician or industry fitter).

1.2 Dangers of this machine

This machine is equipped with safety devices and is put through safety and quality control tests but there is a threat of danger by incorrect operation and misuse
- for the operator or other people in the vicinity
- for the machine and goods

The danger zone is contained within the outer limits of the machine.

All personnel concerned with the
- Installation
- Setting Up
- Operation
- Maintenance
- Repair

of the machine must have read and fully understood the operating instructions.

1.3 Regulatory Application

Applications

Lifting of weights until maximum load.
Working on the raised platform
Transporting of loads in the
lowered position.

Prohibited

Lifting and transportation of personnel
Setting up and operation of machines in the open.
Alterations and rebuilds of the machine.

Positioning of the load

Load should not overhang the platform
Unintentional shifting of the load should be prevented

1.4 Danger through accessories

When the following -
- Rollers
- Conveyer Belts
- other transport facilities

are used the safety devices on the machine must not be made in operational through their use.

Using accessories increases the extent of the danger area.

The danger zone is enlarged through the use of accessories

1.5 Emissions

See dimension sheet in appendix.

1.6 Source of Danger

Mechanic	Where?	Scissors arms Scissors arms / underframe
	What?	Crush and shear points
	Danger!	Loss of limbs /life
Hydraulic	Where?	Hydraulic components e.g. hoses
	What?	Because of damage oil could be sprayed out under high pressure
	Danger!	Burns and contamination to the eyes
Current	Where?	Current carrying components
	What?	Touch
	Danger!	Life threatening

Work on the electrical and hydraulic components should only be carried out by a competent tradesman!

Never
- remove
- alter
- take out of service
the safety facilities

Always secure that the machine is out of service when -
- Setting up
- The alteration of the employment requirements
- The alteration of the operating procedure
- Maintenance
- Servicing
- Repair

1.7 Qualified Operators

The operator must
- be instructed in the operation of the machine
- have proved to the firm that he is capable of operating the machine
- have clear and written instructions from the firm to operate the machine
- have read and understood the operating instructions
- must observe the operating instructions

1.8 Personal Safety Equipment

For the operating of the machine
- Safety shoes

For cleaning / maintenance / repair
- Safety shoes
- Work gloves
- Face protection

1.9 Safety Measures in the Work Place

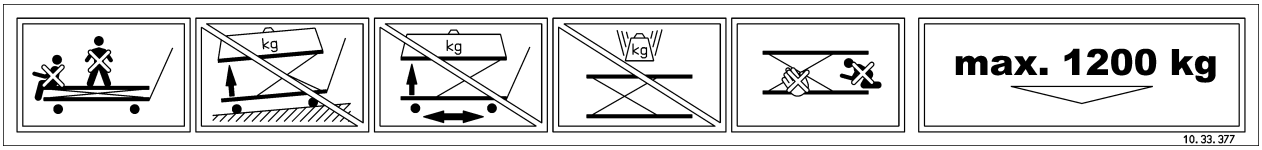
- Secure positioning of the machine
- Avoid crush and shear zones between the machine and it's surroundings
- Ensure that the workplace remains clean and clear of obstacles
- Positions for checking load-carrying equipment must be set up and arranged in such a way that the operative can observe the load-carrying equipment and the load at all times during all its movements and can have a view of the area under the load-carrying equipment and the load.

1.10 Conduct In An Emergency

Release the raise / lower push-button immediately
Switch of at the mains / remove the plug
Secure against further By raised load support the load carrying component

1.11 Picture Symbols

Safety and Operational hints on the Lifting Table



1 2 3 4 5 6

1 **Prohibited:** Stepping on / Lifting of personnel!
(with the exception of lifting tables intended for this purpose on the basis of certain preparations and safety provisions)

2 Accumulation of weight **forbidden!**

3 **Prohibited:** Staying / Grasping under an unsecured table!

4 Load must be evenly distributed **(surface load)!**

5 Lower the table onto the inspection support when carrying out repair and maintenance work alone!

6 The maximum permissible load for your equipment.

2 Safety Facilities.

2.1 Circuit-break guard

If a tube or circuit breaks, this prevents the uncontrolled lowering of the plate.

***NB*:** Depending on the response of the circuit-break guard, which prevents the maximum permissible speed being exceeded, the reason for the break has to be determined, before the lifting table is used again.

- Remove the load from the table
- Make sure the equipment does not lower itself inadvertently
- Check that all hydraulic pipes are airtight
- Check that all hydraulic connections and valves are airtight
- Change the defective parts

Only when you are sure that all defective parts have been changed and correctly assembled, can the machine be started up again.

3 Taking into use.

For technical details see dimension sheet in appendix

3.1 Setting up / Assembly / Connecting Up.

The drawbar must be assembled before start-up.

- Position the lift-truck on a firm, level surface.
- Always follow the instructions, when assembling the equipment.

- **Danger of stumbling because of cable.**
- **Damage to cable, e.g. because of falling objects (tools etc.)**
- **It is forbidden to wind the cables around mechanical components**

Every feed wire must be secured by 16 A.

- **Have you read the operating instructions and above all the safety points and above all understood them?**

Then you can take the machine into use

3.2 Taking into use.

- Produce the electrical connection (put the plug in)
- Check the motor rotation (by three phase 400V)
  - Control by use of the red arrow on the motor casing
  - when incorrect alter by changing the phases in the plug (electrician only)

- Now you can take the machine into use.

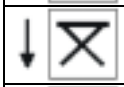
An adequate and safe connection of the earth cable to the workpiece must be guaranteed when using a lifting table as a welding station.

4 Operation

- **No personnel should be within the danger zone when raising or lowering the table**
- **Observe the picture symbols on the lifting machine**

Short, jerky raising and lowering is forbidden . The machine then begins to oscillate and damage to the machine could be a result .

- Operate the machine with the remote cable push button control (dead mans operation)
- Observe the lettering (picture symbols)

	<Raise>
	<Lower>
	<Fast>. Keep the key depressed and press <Raise> or <Lower> at the same time.
	<Tilt to rear >
	<Tilt to front >
	<Tilt to left>
	<Tilt to right>

5 Taking out of use.

<table>
<tr><td>machine
with

400 V</td><td>for: maintenance
-cleaning
-inspection
-repair

- remove load</td><td>for: end of work

lower machine</td></tr>
<tr><td colspan="3">remove mains plug and or mains switch "off"</td></tr>
</table>

6 Inspection.

6.1 Inspection before the first use

The machine is tested by the manufacturer before delivery

Machines that are delivered not ready for use should be inspected by a qualified person in the following aspects ;
- correct construction
- correctness for use

6.2 Regular testing

Regular testing of machines at intervals of at the longest one year should be carried out by a qualified person.

- use the check list on the following page
- make a photo copy of the list
- note top right on the check list
  - Lfd N° (check list number)
  - machine type
  - serial number
- cross each point when it is in order
- put the machine back into use only when each point has been crossed
- when completed put the check list into the appendix of these operating instructions

6.3 Check List

Lfd.-Nr°: .....

Machine Type: .....

Serial-N.°: .....

Mechanical

- O Cylinder pins secure
- O All lever pins secure
- O Machine clean
- O Stickers intact and readable
- O Welded construction undamaged
- O Machine holds the load in the maximum raised position for at least 10 minutes
- O All bolted connections tight

Hydraulic

- O No leaks in the hydraulic system
- O Oil level correct
- O No damage to the hoses (see 7.5)
- O Lowering speed correctly adjusted

Electric

- O Cable connections tight
- O Cables secured
- O No damage to cables

- O All functions inspected without query

_____

Inspection date, Inspector (signature)

7 Inspection / Service

Should maintenance work be necessary within the scissor lift, then it is to be carried out with the lifting truck lowered and the platform removed.

An alternative method should be used to raise the scissor lift (hydraulic jack or crane), should the platform not be removable and the scissor lift is not able to be raised using it's own drive unit. The platform should be raised from the fixed pivot end.

Work should only be carried out **within the raised scissor lift** when it is ***unloaded*** and **held apart using a suitable strut.**

It should be noted that a vacuum is produced in the cylinders when the scissor lift is raised using an external method and that they do not support the scissor lift hydraulically (on a column of oil).

The scissor lift should be raised from the inspection strut using it's own **hydraulic drive** (or an external hydraulic drive) when service work is completed to ensure that the cylinders support the weight of the scissor lift.

LIFE THREATENING DANGER!
The inspection strut should never be removed before the lifting wagon has been raised using it's own drive unit out of the maintenance position. There is the danger of the table lowering uncontrollably should this not be the case.

7.1 Maintenance Plan

What?	When?	Description
Cleaning	When necessary	7.2
Check Bushes	Every 250 hours	7.3
Check oil level top up	Yearly	7.6
Hydraulic oil change	---------	7.7
Inspect oil hoses	Yearly	7.9

7.2 Cleaning

Secure that the machine is out of use

Clean
- your machine regularly
- especially the stickers (picture symbols) on the machine.(when the stickers are no longer readable please order new ones, order number see spare parts lists)
- the runners of the blocks

7.3 Mechanical

The machine is delivered with maintenance free bushes. Therefore the bushes only have to be checked regularly (250 working hours) for wear.

7.4 Maintenance of the hydraulics

Danger

Hydraulic oil can cause irritation and skin rashes. Avoid prolonged skin contact and wash the skin thoroughly after contact.

Wear protective clothing!
(see chapter 1.8)

Protect the environment:
The handling and disposal of mineral oils is covered by laws. Dispose of old oil at an authorised disposal unit. Information can be found from the responsible authority. Be careful not to spill any hydraulic oil. Make precautions to catch any spilt oil (oil resistant covers, drip tray etc.)

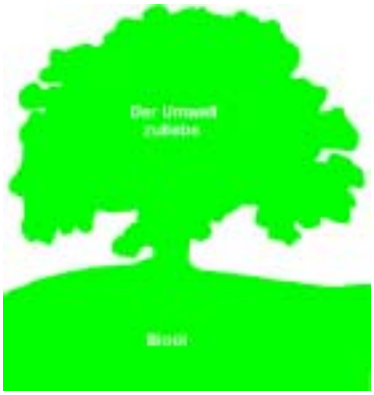
This machine is filled with bio-oil on synthetic base

This oil is not mixable with water.

The biological removable hydraulic-oil is mixable with mineral-oil, but then it will loosen his biological removability.

The following or equivalent can be used

Total	Biohydran TMP 46	→	in this machine
BP	Biohyd SE 46		
Fuchs	Plantohyd 46S		
Esso	Hydraulicoil HE 46		
Total	Equivis UVS 46		
Shell	Naturell HF-E 46		

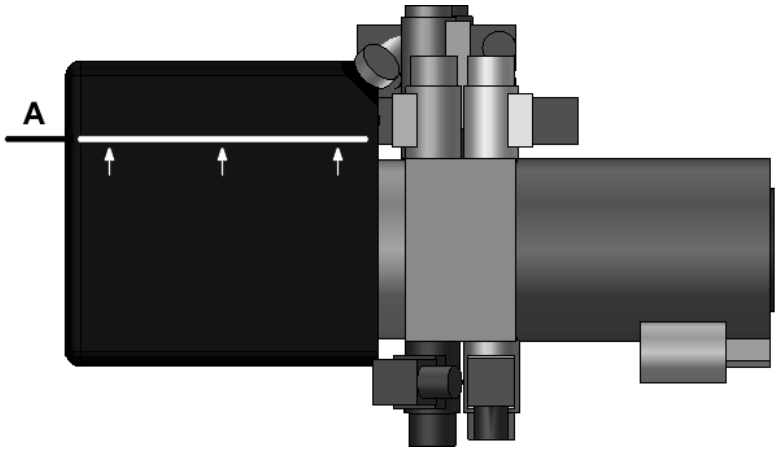


7.5 Oil Change Intervals

The oil must be changed after the first 50 working hours, thereafter at intervals of 500 hours or at the latest every 2 years

7.6 Checking the oil level.

- Raise the table into its uppermost position.
- The level must be in the upper third (A) of the tank.
- When necessary top-up the oil



7.7 Oil Change

- Empty the unladen machine in its lowest position.
- Place the oil reservoir under the tank's sump plug.
- Remove the drainage plug and then the sump plug.
- Wait until all the oil has drained away.
- Replace the sump plug.
- Remove the breather bung from the tank
- Fill up with oil
- You will find the tank capacity in the technical sheet appendix.
- Replace the tank drainage plug.
- Remove air from the hydraulic system.

7.8 Bleeding the hydraulic system

- Lower the table without a load onto the inspection strut.
- Loosen the bleed screws on the cylinder one or two turns.
- **When no bleed screws are on hand the cylinders are so constructed as to bleed themselves.**
- Operate the pump (raise) until oil is discharged from the bleed screws without air bubbles.
- Check the oil level.
- Top up when necessary.

7.9 Control of the hydraulic hoses

A yearly check on the hydraulic hoses for a safe working condition is stipulated. The check must be carried out by a qualified tradesman.

Control the following

- Can the following damage be observed on the outer mantel of the hose rips, kinks, cuts, unbending, abrasions or splitting?

- Are there any deformities in the hose when under or not under pressure?

- Are there any leaks between the hoses and the fittings? Is the hose coming out of the fitting?

- When there is any damage the hose should be changed.

- Depending on the requirements the hoses should be changed at the latest after six years.

8 Fault Finding

Work on the electrical and hydraulic components should only be carried out by a competent tradesman!

Observe the safety instructions

8.1 Electric motor does not run

Cause	Cure
Current supply broken	Check: • Feed line • Fuse • Circuit breaker
Motor is faulty	Exchange hydraulic pump

8.2 Lifting machine does not lift

Cause	Cure
Table is overloaded	Reduce load
Motor is faulty	Exchange hydraulic pump
Leaks in the hydraulic system	See 8.3
Pump does not produce pressure	Exchange hydraulic pump
Motor rotates in the wrong direction	Check the motor rotation (by three phase 400V) - Control by use of the red arrow on the motor casing - when incorrect alter by changing the phases in the plug (electrician only)

8.3 Oil loss

Cause	Cure
Leaks in the hydraulic system	• re-tighten fittings • replace cylinder seals • exchange cylinder • exchange hoses

8.4 Lifting machine does not reach maximum height

Cause	Cure
Oil level too low (see point 8.3)	• top-up oil

8.5 Lifting machine will not (completely) lower

Cause	Cure
Obstacle (dirt) in block	Clean the block
Magnet lowering valve defect	Exchange valve
The neutral is incorrectly or not connected	Check feed

8.6 Lifting machine sinks strongly by placement of load

Cause	Cure
Air in hydraulic system	• Bleed hydraulic system • Drive table repeatedly (2-3 sec) against the mechanical end-stop

9 General

9.1 Transport Damage

All deliveries are to be insured by the customer. We must turn down any possible claims concerning transport responsibility. Our responsibility is restricted to the hand - over of the machine in brand-new condition to the shipping agent. Should you discover any damage to the machine, do not use it and contact the shipping agent concerning the damage.

9.2 Warranty

Every machine is covered by a 12 months warranty against material faults and incorrect assembly. The warranty covers all parts that are returned post free within twelve months for inspection. The parts will then be inspected by us to determine whether the parts were damaged under normal use. The warranty will be declared void if the parts are found to have been overloaded, handled incorrectly or that replacement parts have been assembled incorrectly.

9.3 Ordering of spare parts

Please give the following details when ordering;

Type:
Load:
Year of construction:
Serial Number:
Part description:
Order Number:

The address for ordering is to be found on the cover of this operating instructions.

10 Appendix

Technical ratings
VAS 6131A

Mechanics

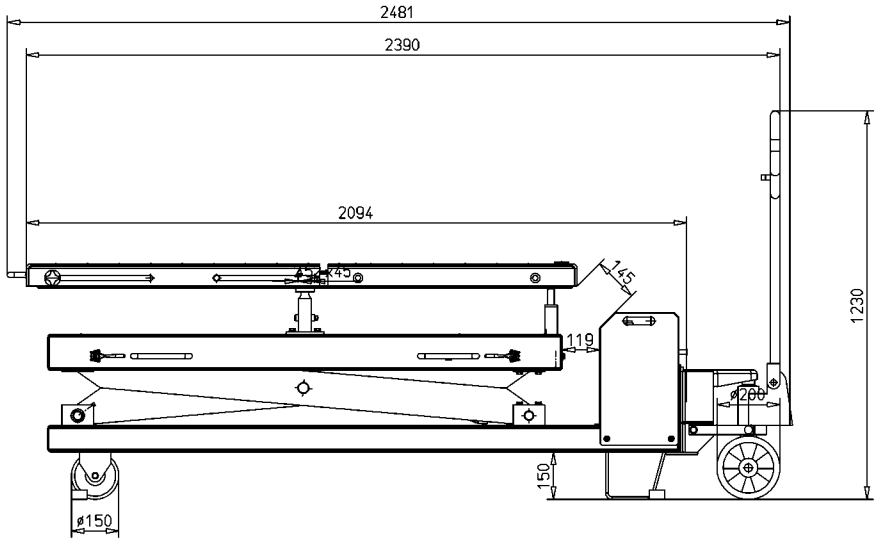
Capacity:	1200 kg
Nature of load:	Distributed load
Min. Height:	750 mm
Effective Stroke:	1050 mm
Platform:	1800 x 800 mm plain sheet
Lifting time, loaded:	ca. 27 sec.
Lowering time, loaded:	ca. 19 sec.
Weight:	ca. 695 kg

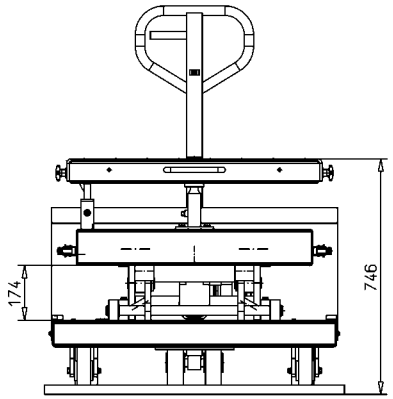
Electric

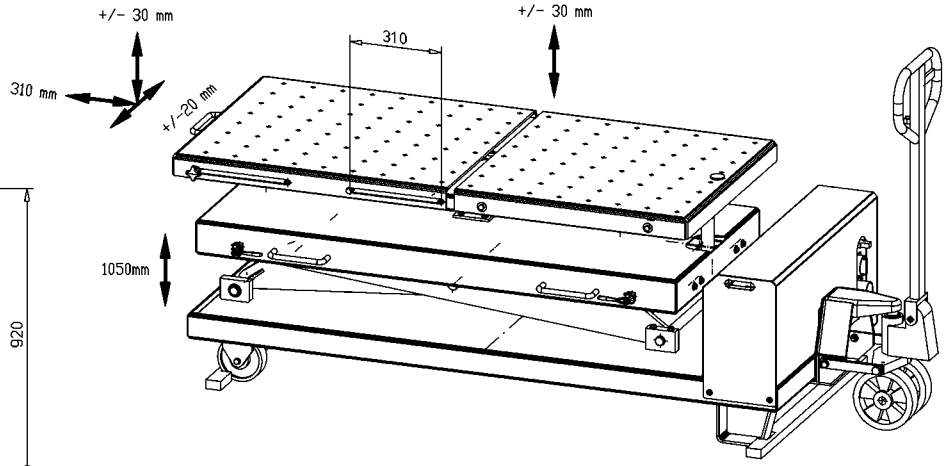
Power:	1,1 kW
Current consumption:	2,6 A
Enclosure:	IP 54
Operating voltage:	400 V
Control voltage:	24 V
Control system:	hand-portable remote control

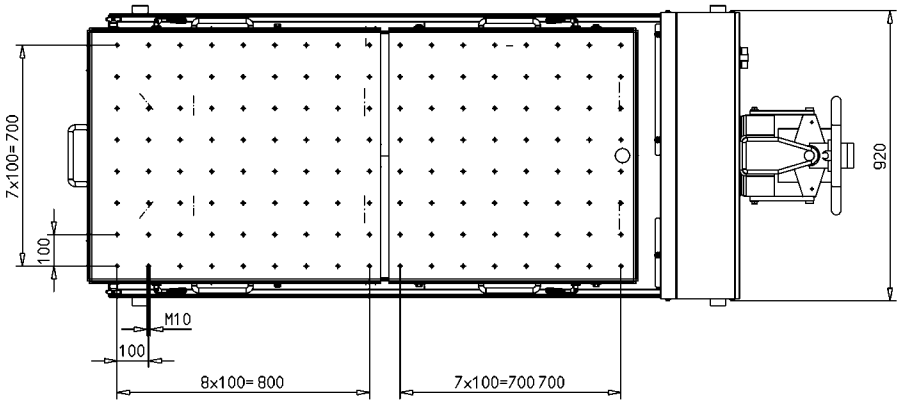
Hydraulic

Working pressure:	max. 190 bar
Positioning of drive unit:	inside
Oil filling:	3,1 l
Kind of hydraulic oil:	Biooil
Hydraulic cylinder:	1x Ø 80 x 302 mm stroke 2x Ø 32 x 60 mm stroke









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						HB001087	Blatt 1 Bl.
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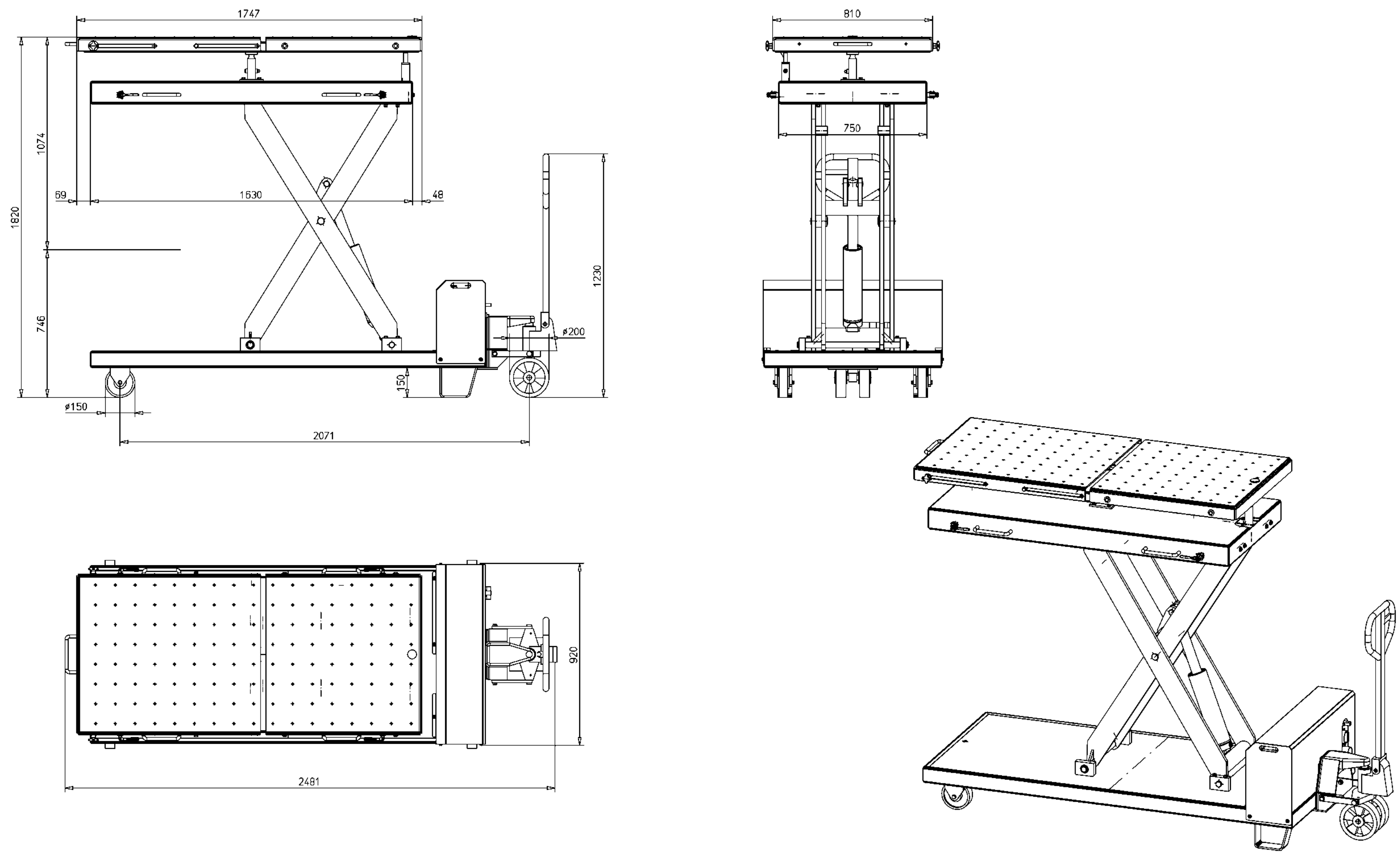

VAS 6131A

Maßstab 1:10

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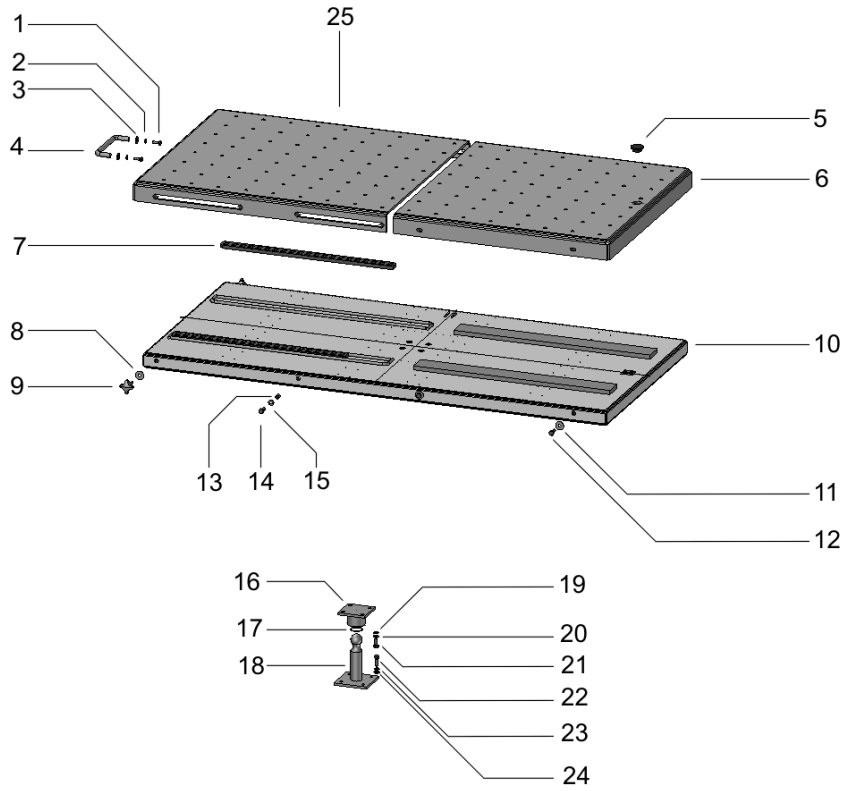
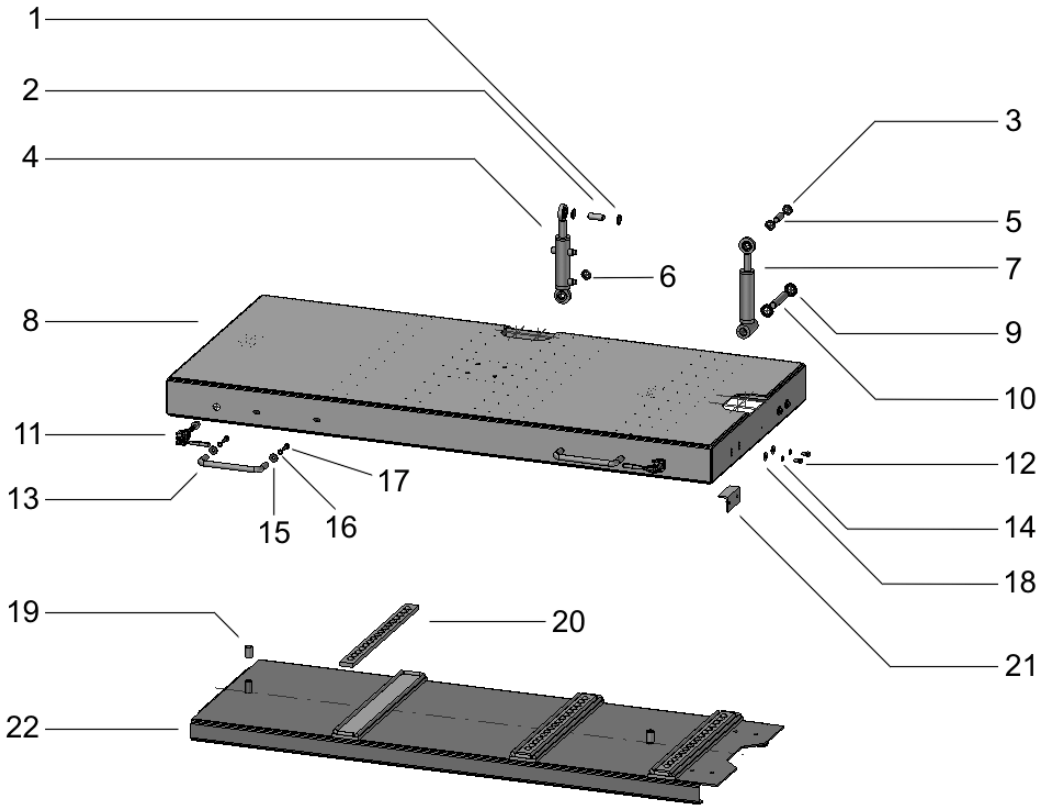
Schutzvermerk DIN 34 beachten.

Components list



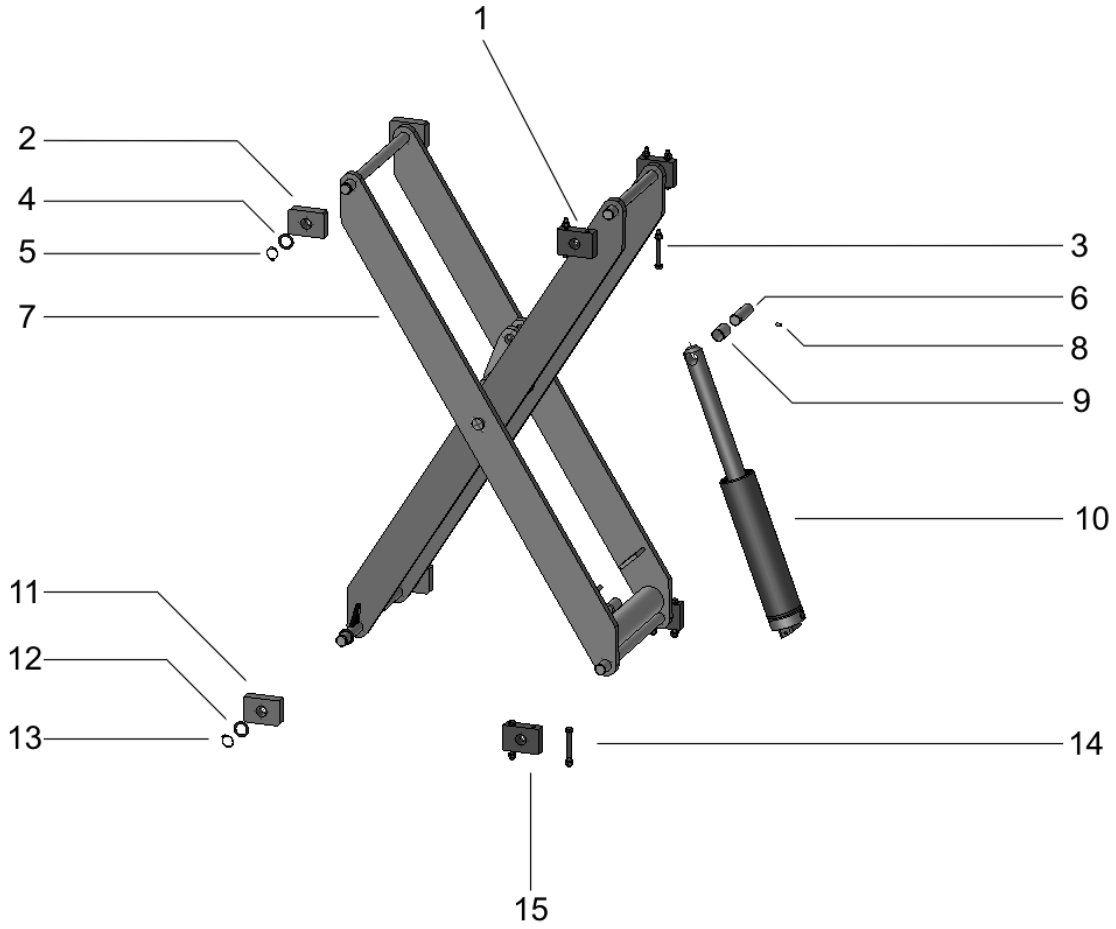
Pos.	Pieces	Description	Order-N°.	Remark
1	2	Hexagonal screw	12.50.081	ISO 4017-M8x25-8.8
2	2	Lock washer	12.40.420	DIN 127-A8-FSt
3	2	Disc	12.40.076	ISO 7093-8-100HV
4	1	Grip	57.42.019	
5	1	Spirit level	10.34.164	
6	1	Push platform II	51.20.075	
7a	2	Roller cage	10.28.057	40x12x635-PA6
7b	42	Cylinder roller	10.02.063	DIN 5402-15x22
8	2	Disc	12.40.090	ISO 7093-10-100HV
9	2	Hand knob	12.28.618	DIN 6336.4-SK-55-M10x25
10	1	Basic frame	51.02.747	
11	4	Disc	12.40.090	ISO 7093-10-100HV
12	4	Hexagonal screw	12.51.061	ISO 4017-M10x25x8.8
13	2	Tube	57.66.214	DIN 2391-S235G2T BK
14	2	Hexagonal screw	12.51.081	ISO 4017-M10x30-8.8
15	2	Disc	12.40.088	ISO 7089-10-200HV
16	1	Glenoid bearing tray	51.33.023	
17	1	Snap Ring	10.24.484	B 40 DIN 7993
18	1	Axial joint bearing bolt	51.33.022	
19	4	Disc	12.40.088	ISO 7089-10-200HV
20	4	Lock washer	12.40.425	DIN 127-A10-FSt
21	4	Hexagonal screw	12.51.081	ISO 4017-M10x30-8.8
22	4	Hexagonal screw	12.51.081	ISO 4017-M10x30-8.8
23	4	Lock washer	12.40.425	DIN 127-A10-FSt
24	4	Disc	12.40.088	ISO 7089-10-200HV
25	1	Push platform I	51.20.074	

Components list



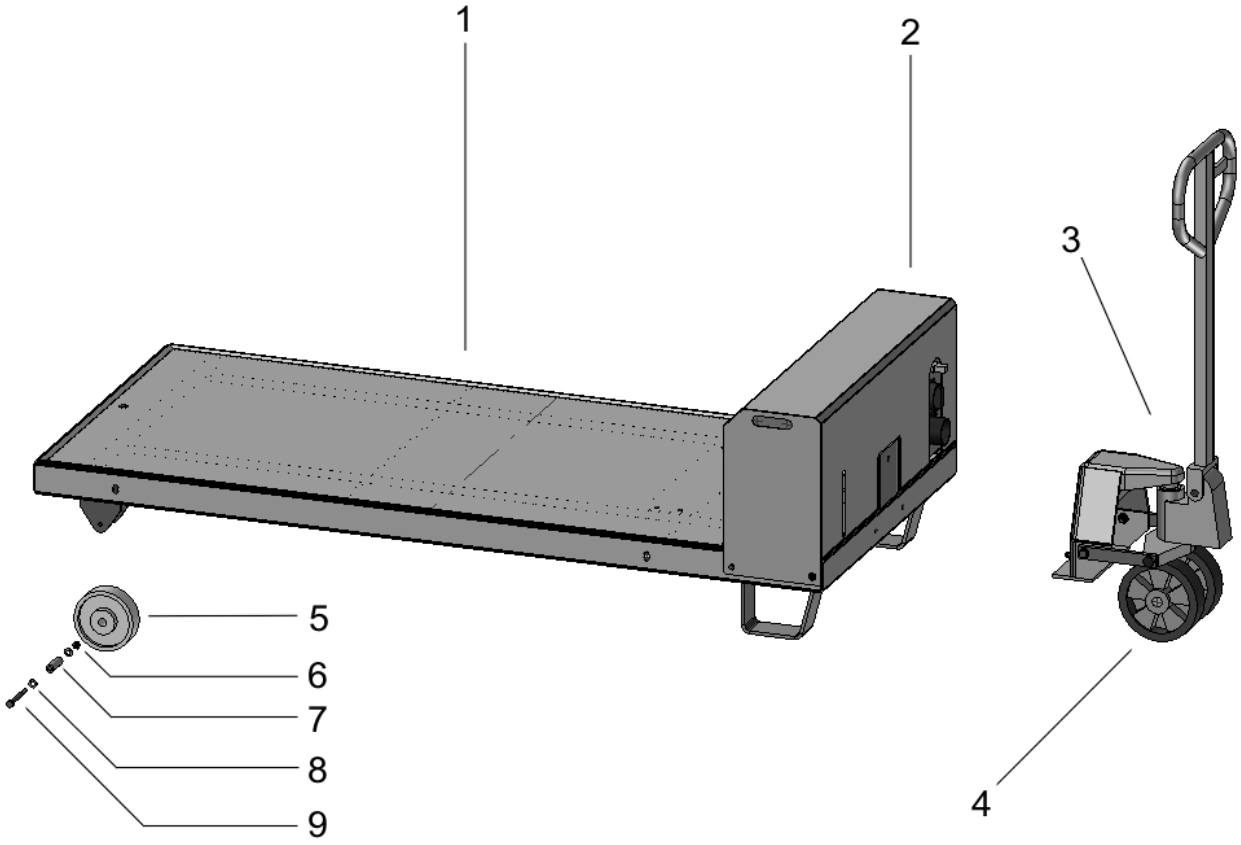
Pos.	Pieces	Description	Order-N°.	Remark
1	2	Locking ring	12.24.520	Ø 17
2	1	Cylinder bolt	57.56.329	DIN 671-11SMnPb37-17x45
	1	Locking ring	10.24.407	DIN 471-17x1
3	2	Locking ring	12.24.520	Ø 17
4	1	Hydraulic cylinder	11.19.762	D-32-20-60-215-G-G
5	1	Cylinder bolt	57.56.329	DIN 671-11SMnPb37-17x45
6a	1	Disc	12.40.130	17 DIN 1441-St
6b	1	Locking ring	12.24.520	Ø 17
6c	1	Locking ring	10.24.407	DIN 471-17x1
7	1	Hydraulic cylinder	11.19.763	D-32-20-60-215-G-B
8	1	Verschiebeplattform	51.02.748	
9	1	Locking ring	12.24.521	Ø 20
10	1	Cylinder bolt	57.56.330	DIN 671-11SMnPb37-20x96
10a	1	Locking ring	10.24.401	DIN 471-20x1,2
11	4	Push/Pull Clamp	32.99.535	
12	4	Hexagonal screw	12.51.041	ISO 4017-M10x20-8.8
13	4	Grip	57.42.019	
14	4	Disc	12.40.076	ISO 7093-8-100HV
15	8	Disc	12.40.076	ISO 7093-8-100HV
16	8	Lock washer	12.40.420	DIN 127-A8-FSt
17	8	Hexagonal screw	12.50.061	ISO 4017-M8x20-8.8
18	4	Disc	12.40.076	ISO 7093-8-100HV
19	2	Hose	55.75.409	22/18/30
20a	2	Ball cage	10.28.056	40x12x520-PA6
20b	48	Ball	10.02.053	DIN 5401-18G10
21	2	Strapping	57.14.018	45x30x4x90
22	1	Upper frame	51.02.746	

Components list



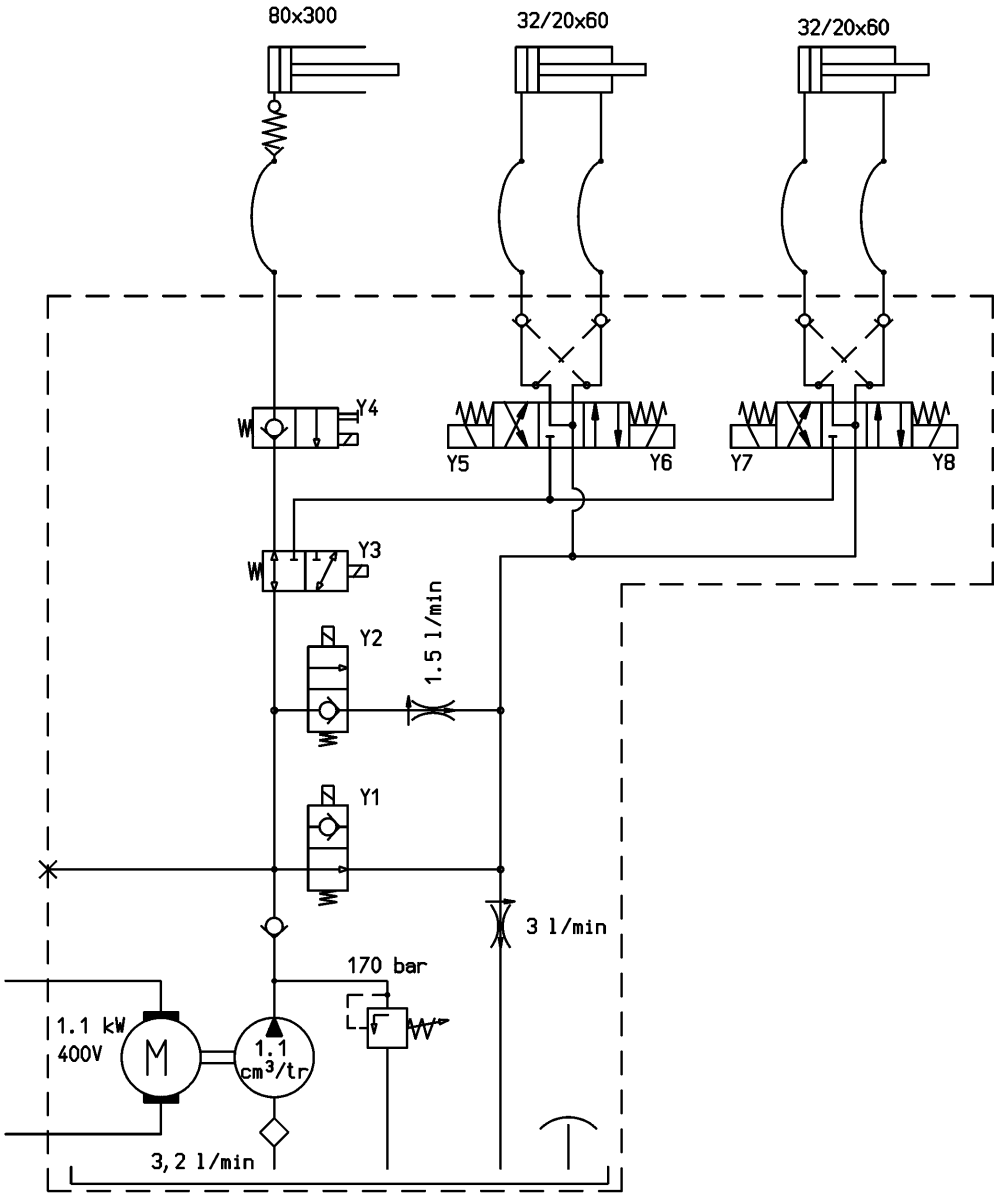
Pos.	Pieces	Description	Order-N°.	Remark
1	2	Fixed bearing, upper	10.28.048	70x30x100 PA6
2	2	Glide block, upper	10.28.049	70x30x100 PA6
2a	2	Pressure plate	57.11.692	5x30x100 mm
3a	4	Hexagonal screw	12.51.311	ISO 4014-M10x100-8.8
3b	8	Disc	12.40.088	ISO 7089-10-200HV
3c	4	Locking nut	12.55.065	DIN 985-M10-8
4	4	Fitting disk	10.40.523	DIN 988-30x42x0,5
5	2	Locking ring	10.24.404	DIN 471-30x1,5
6	1	Cyclinder bolt	57.56.328	DIN 668-S235JRG2K-30x99
7	1	Scissor set	51.11.413	
8	1	Threaded pin	10.50.043	DIN 916-M8x16-45H
9	2	Bush	10.28.288	GSM 30-34-25
10	1	Hydraulic cylinder	11.19.722	Ø 80 x 302/473 mm
10a	4	Hexagonal screw	12.50.281	ISO 4014-M8x80-8.8
10b	4	Locking nut	12.55.042	DIN 985-M8-8
11	2	Glide block, bottom	10.28.049	70x30x100 PA6
11a	2	Pressure plate	57.11.692	5x30x100 mm
12	4	Fitting disk	10.40.523	DIN 988-30x42x0,5
13	4	Locking ring	10.24.404	DIN 471-30x1,5
14a	4	Hexagonal screw	12.51.311	ISO 4014-M10x100-8.8
14b	8	Disc	12.40.088	ISO 7089-10-200HV
14c	4	Locking nut	12.55.065	DIN 985-M10-8
15	2	Fixed bearing, bottom	10.28.048	70x30x100 PA6

Components list



Pos.	Pieces	Description	Order-N°.	Remark
1	1	Bottom frame	51.02.763	
2	1	Bonnet	51.09.044	
2a	5	Cylinder head screw	12.54.152	DIN 7984-M6x12-8.8
2b	5	Lock washer	12.40.410	DIN 127-A6-FSt
2c	5	Disc	12.40.040	ISO 7093-6-100HV
3	1	Steering shaft	31.99.538	
4	2	Steering shaft wheel	10.34.170	Ø 200x50
5	2	Wheel	10.09.071	Ø 150 x 40
6	2	Locking nut	12.55.065	DIN 985-M10-8
7	2	Hollow shaft	55.66.213	
8	4	Disc	12.40.101	ISO 7091-10-100HV
9	2	Hexagonal screw	12.51.311	ISO 4014-M10x100-8.8
	1	Energy chain	10.28.647	
	2	Flat-headed screw	12.54.113	DIN 921-M5x12-5.8
	2	Flat-headed screw	12.54.114	DIN 921-M5x8-5.8
	2	Locking nut	12.55.022	DIN 985-M5-8

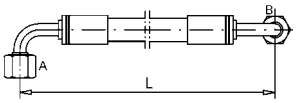
Hydraulic schema



	lifting slow	lifting fast	lowering slow	lowering fast	x-cylinder einfahren	x-Cylinder extend	y-cylinder einfahren	y-cylinder extend
M	X	X			X	X	X	X
Y1	X	X	X		X	X	X	X
Y2	X		X		X	X	X	X
Y3					X	X	X	X
Y4			X	X				
Y5					X			
Y6						X		
Y7							X	
Y8								X

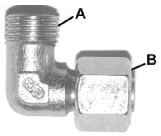
Hydraulic components

Pieces	Art.-N°	L = mm	DN	A / B	Marking
1	10.19.187	3250	4	M 14x1,5-SW 17	grey
1	10.19.188	3250	4	M 14x1,5-SW 17	red
1	10.19.189	2850	4	M 14x1,5-SW 17	blue
1	10.19.190	2750	4	M 14x1,5-SW 17	black



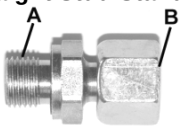
Pieces	Art.-N°	L = mm	DN	A / B	Marking
	10.19.186	700	8	M 16x1,5-SW 19	-

Adjustable stud elbows



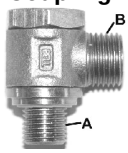
Pieces	Order.-N°	Series	DN	A	B
2	12.19.562	L	6	M 14x1,5	M 14x1,5

Straight Stud Standpipe Adapter



Pieces	Order.-N°	Series	DN	A	B
2	12.19.563	L	6	1/4”	M 14x1,5

Banjo Coupling



Pieces	Order.-N°	Series	DN	A	B
2	12.19.561	L	6	1/4”	M 14x1,5

Measuring connector

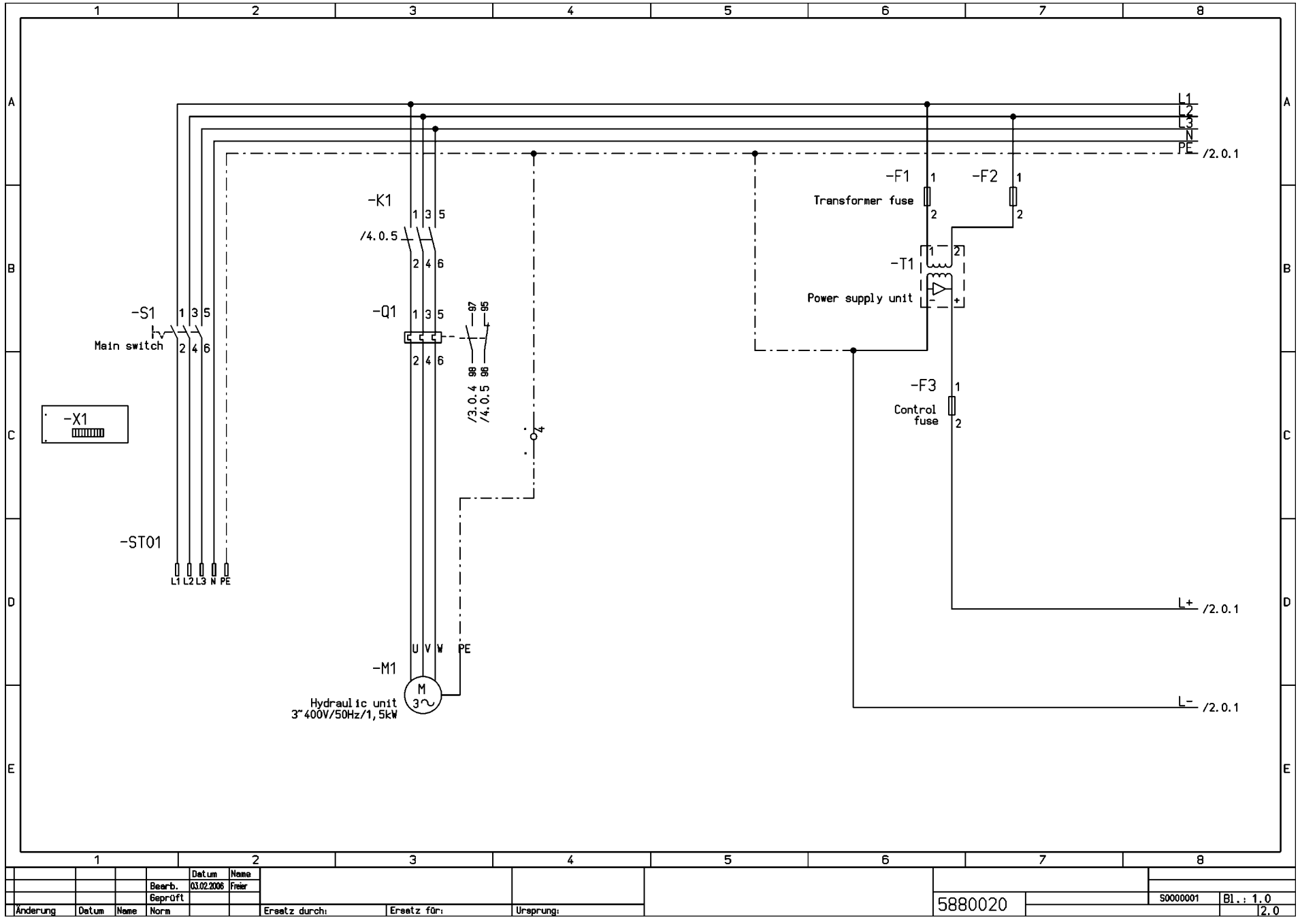
Pieces	Order.-N°	A
1	12.19.575	1/4“

Pipe break safety device

Pieces	Order.-N°	A	Gap size	Remark
1	10.19.292	3/8”	0,9 mm	

Other hydraulic components

Pieces	Order.-N°	Description	Remark
1	**11.19.397**	**Hydraulic unit**	**1,1 kW / 400 V**
1	**50.97.308**	**Seal kit for hydraulic cylinder**	



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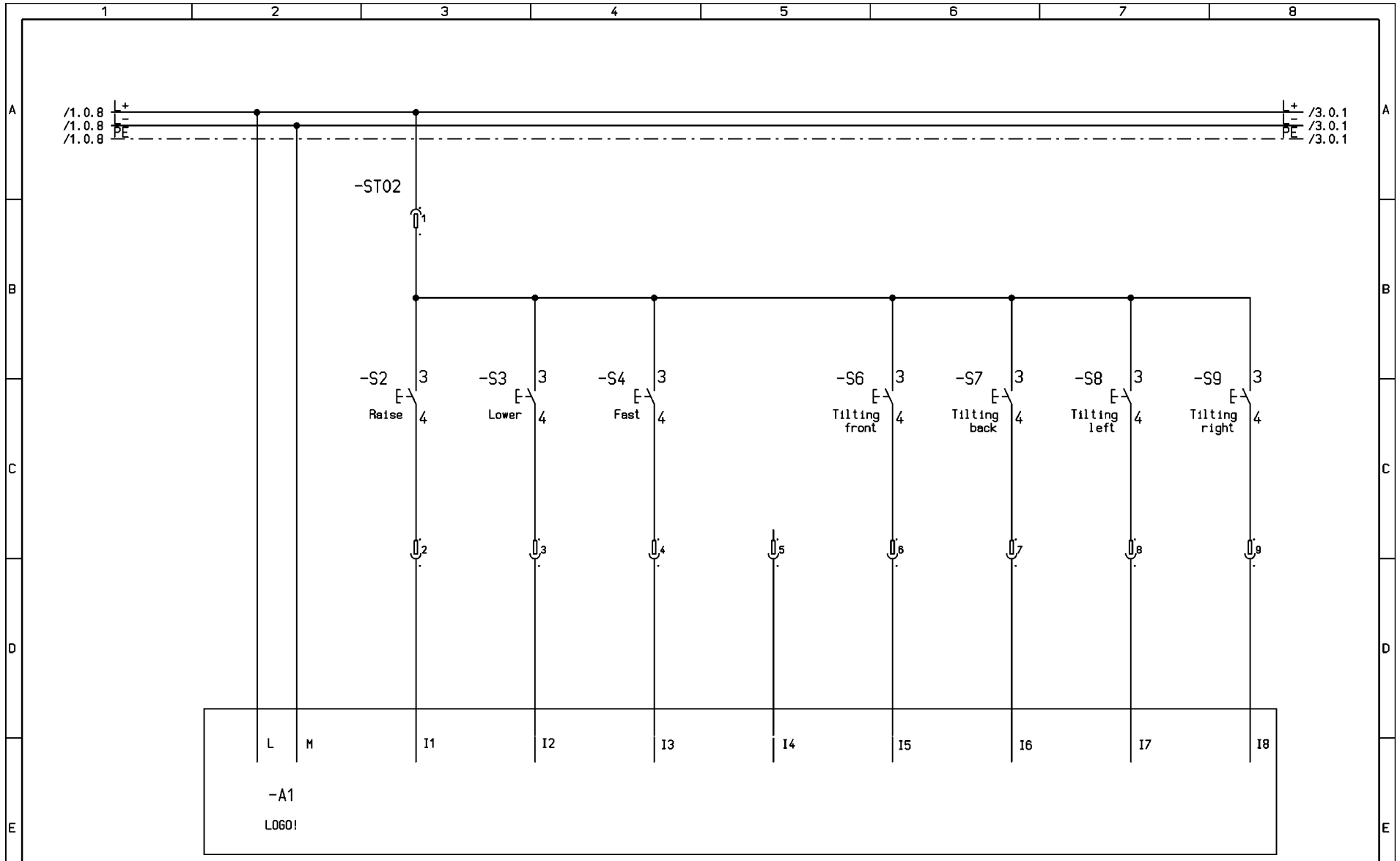

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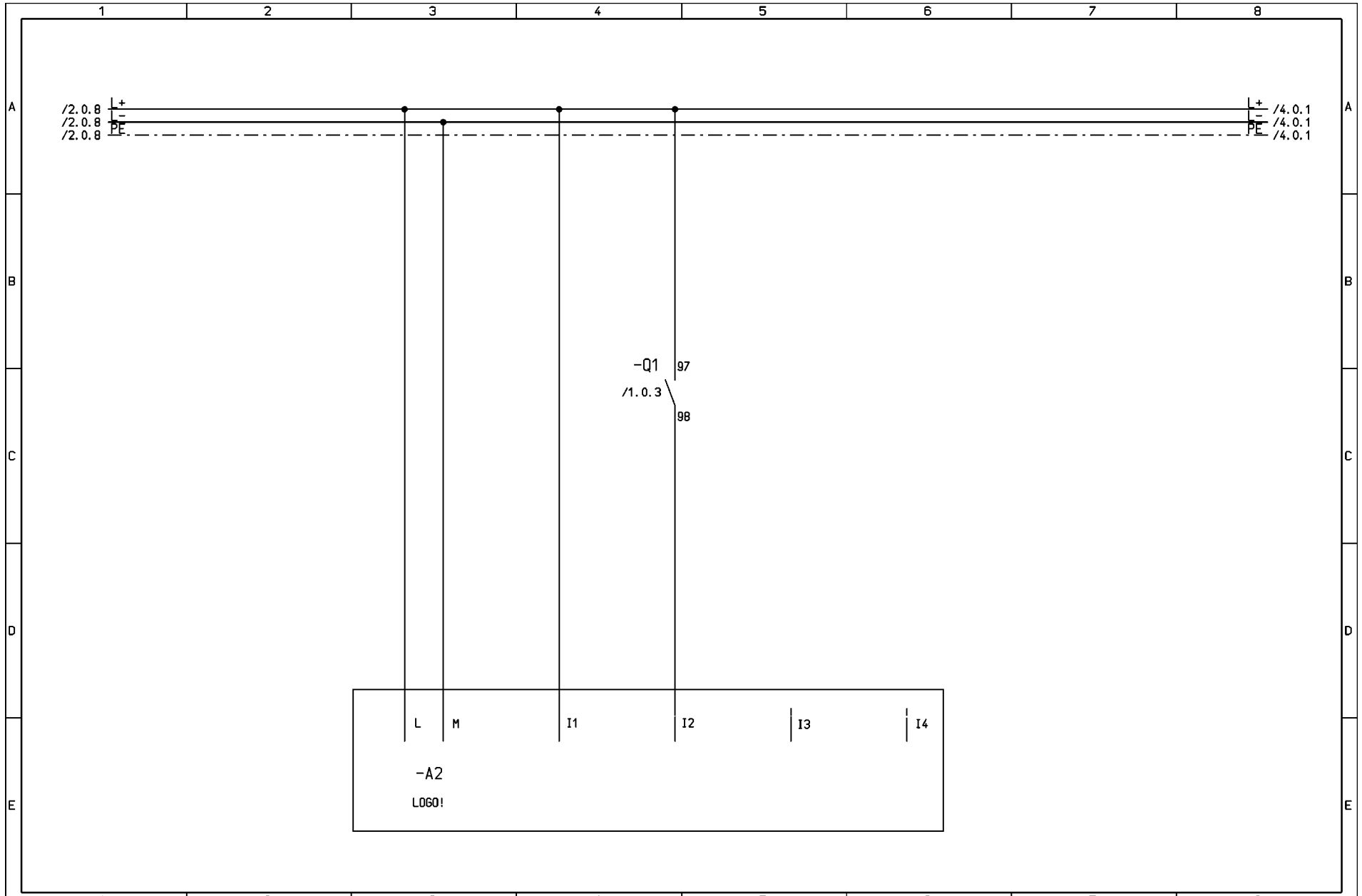

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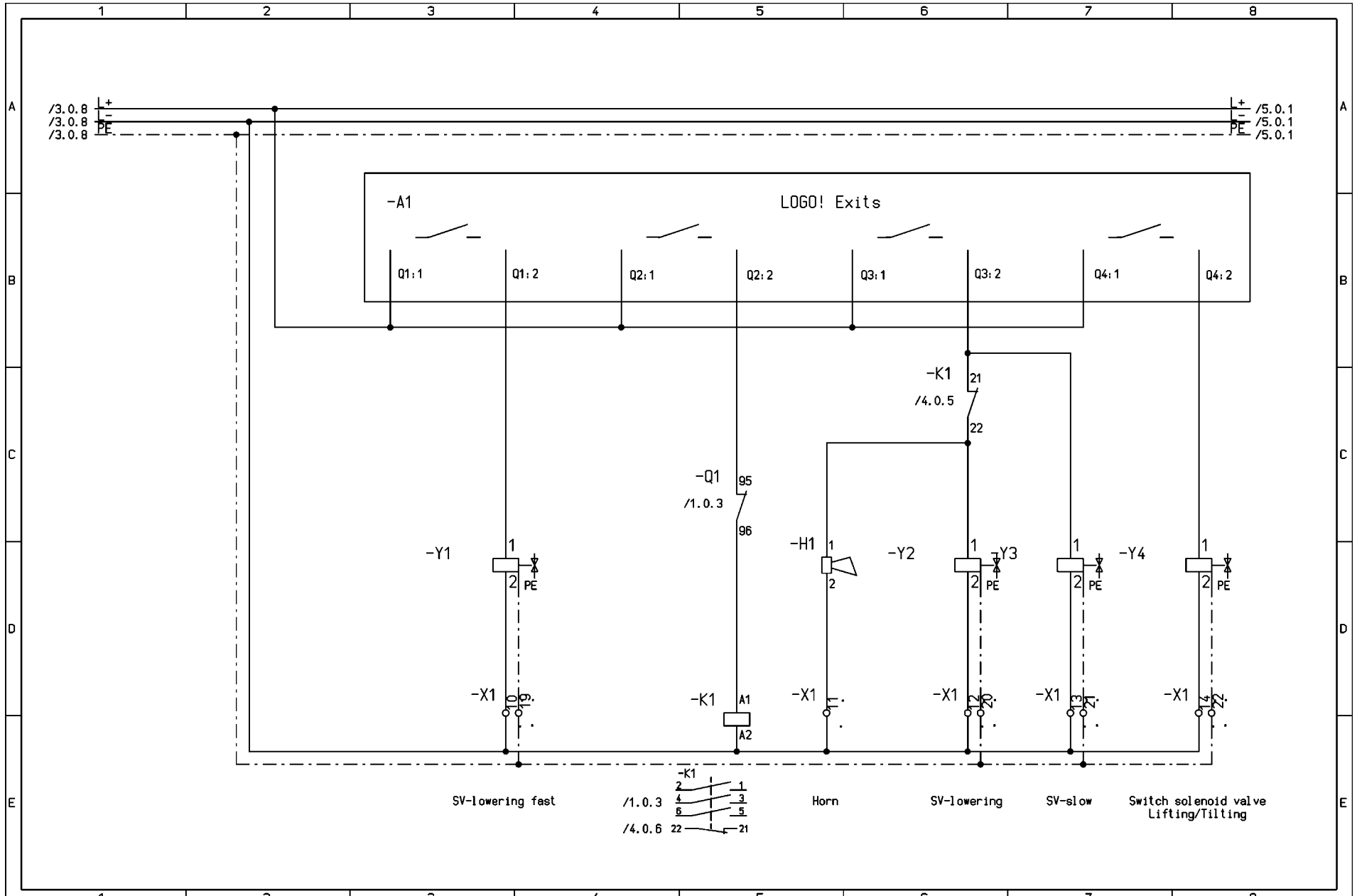

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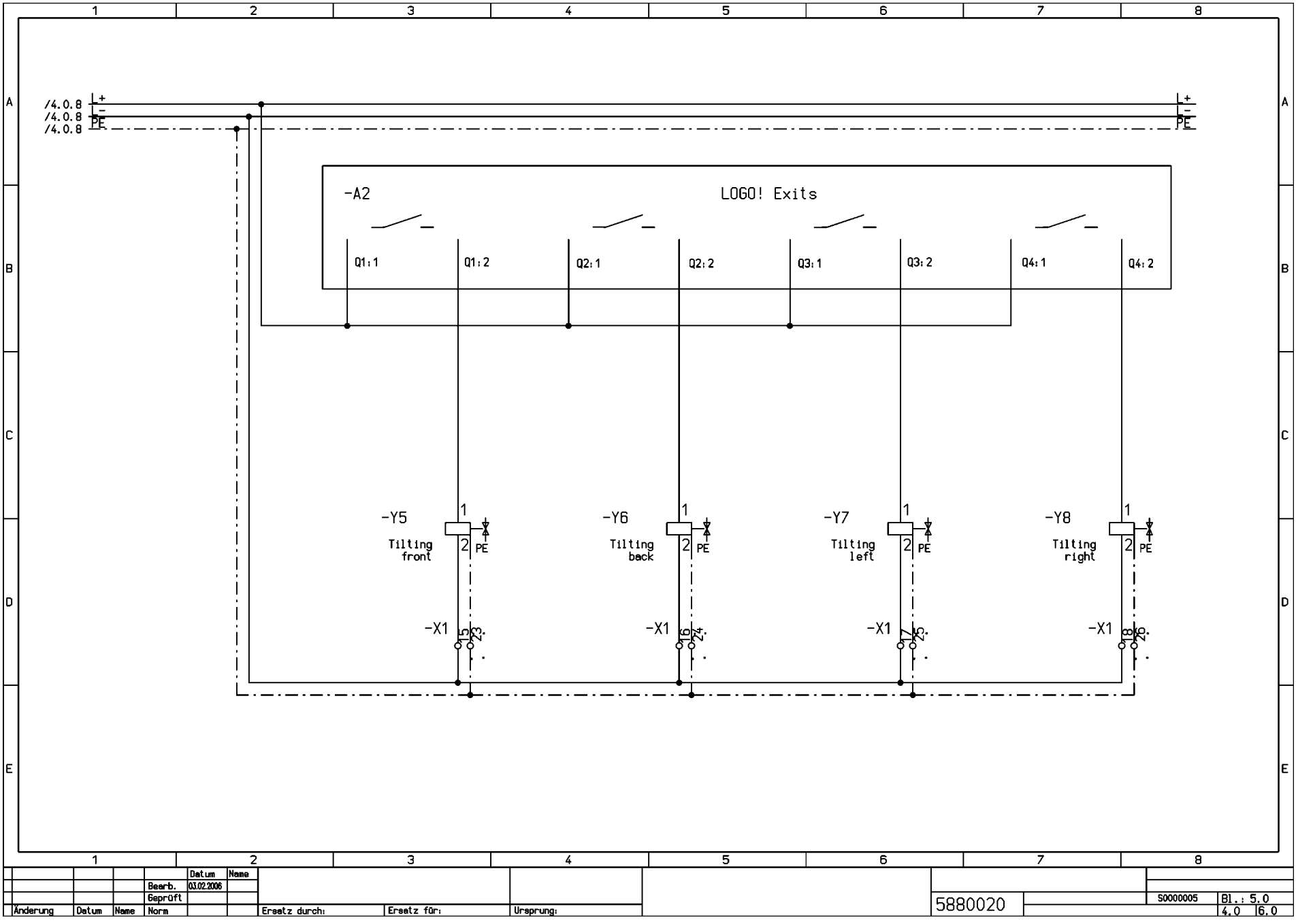

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												4.0 6.0

Nr.	BMK	Art-N°.	Bl.	Pf.	Ort	Function	Description	Order-N°.	Manufacturer
1	-M1		1.0	3		Hydraulic unit	3~400V/50Hz/...kW	Three-phase motor	.
2	-S1	10.30.226	1.0	2		Main switch	Main switch 3pol. Aufput	P1-25/I2/SVB/N	Möller
3	-Q1	10.30.658	1.0	3		motor protective relais	Overload relais 4,5-6,3A	3RU1116-1GB0	Siemens
4	-F1	10.30.672	1.0	6		Transformer fuse	Fuse socket	WK10 SI/U 5*20	Wieland
5	-F2	10.30.672	1.0	7		Transformer fuse	Fuse socket	WK10 SI/U 5*20	Wieland
6	-F3	10.30.672	1.0	6		Control fuse	Fuse socket	WK10 SI/U 5*20	Wieland
7	-T1	10.30.271	1.0	6		Power pack	Power pack 400/24V/5A	4AV4 106-2EB00-1A	Siemens
8	-K1	10.30.652	4.0	5		Motorschütz	Schütz 5,5KW/24VDC-Ö	3RT1017-1BB42	Siemens
9	-S2	10.30.285	2.0	3		Raising	Hand switch	Foil switch	Bopla
10	-S3	10.30.285	2.0	4		Lowering	Hand switch	Foil switch	Bopla
11	-S4	10.30.285	2.0	4		Fast	Hand switch	Foil switch	Bopla
12	-S6	10.30.285	2.0	6		Tilting front	Hand switch	Foil switch	Bopla
13	-S7	10.30.285	2.0	6		Tilting back	Hand switch	Foil switch	Bopla
14	-S8	10.30.285	2.0	7		Tilting left	Hand switch	Foil switch	Bopla
15	-S9	10.30.285	2.0	8		Tilting right	Hand switch	Foil switch	Bopla
16	-H1	10.30.289	4.0	5		Horn	Schallwandler	DC 300I 015-048V	EMCT
17	-A1	10.30.283	2.0	2			LOGO! 12/24RC	LOGO! Modul	Siemens
18	-A2	10.30.239	3.0	3			DM8 12/24R	LOGO! Anreihmodul	Siemens
19	-ST01	10.30.287	1.0	1			Anbaustecker	CEE 3*16A/N/PE	Mennekes
20		10.30.270	1.0	1		Switch box	Switch box	Sondergehäuse VW	Taunus
21	-Y1		4.0	3		SV-lowering fast	Solenoid valve	.	.
22	-Y2		4.0	6		SV-lowering	Solenoid valve	.	.
23	-Y3		4.0	7		SV-slow	Solenoid valve	.	.
24	-Y4		4.0	8		Switch SV Lifting/Tilting	Solenoid valve	.	.
25	-Y5		5.0	3		Tilting front	Solenoid valve	.	.
26	-Y6		5.0	5		Tilting back	Solenoid valve	.	.
27	-Y7		5.0	6		Tilting left	Solenoid valve	.	.
28	-Y8		5.0	8		Tilting right	Solenoid valve	.	.

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			Geprüft					
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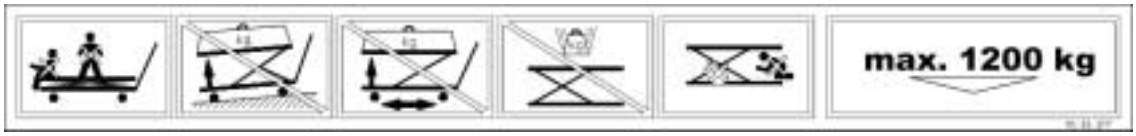
Sticker

Art.-N°

10.33.377



10.33.358

10.33.378

EC Declaration of Conformity

Conforming to:
EC-Directives – Machines 98/37/EG, appendix II A
EC-Directives – Electromagnetic compatibility 89/336/EWG,
EC-Directives – „Low voltage“ 73/23/EWG

We: **BlitzRotary GmbH**
Hüfinger Straße 55
D-78199 Bräunlingen
Germany

declare in general responsibility, that the product

VAS 6131A,

convered by this declaration confirms to the Health and Safety rules laid down by the directives above.

The following Norms were used for the proper implemention of the EC Directives on Health and Safety:

- DIN EN ISO 12100-1 (2003)
- DIN EN ISO 12100-2 (2003)
- DIN EN 294 (1992)
- DIN EN 349 (1993)
- BGR 500 (2004)
- DIN EN 1570 (1998)
- DIN EN 1570/A1 (2004)
- DIN EN 60204-1 (1997)
- BGV A3 (1997)
- DIN EN 61000-6-2 (2001)
- DIN EN 61000-6-4 (2001)

Bräunlingen, 30.03.2006

S. Schneider, Management

BlitzRotary GmbH

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A DOVER COMPANY

15.33.712 02/06• Subject to technical alterations