

**Tyres and small parts lifting
unit
Consul 1.05 KTH – Z068**

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Date:04.2019**

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Description of the lifting equipment

Site of
Operation:.....
Factory no.:.....Type of lifting
equipment.....
Name of operator:
.....
Address :
.....

1.General data

Manufacturer and/or importer :
.....
Load of capacity:..... kg or number of persons Year of construction.....
Date of installation:day, month, year Setting-up regulations:.....
Operating speed : m/s Lifting height: m
Number of access points : Number of stopping positions:
The above lifting unit is set up with the lift –lifting equipement – factory number: in the same well.

2.Lift well – well access points

Type of well walls :
Lower excess travel path:..... m lower protective area height m
Upper excess travel path:..... m upper protective area height m
Panelling of the weight track from the well base to a height of m
Type of machine operated – amanually operated well doors:
..... unitdoors of m width and m height
..... unitdoors of m width and m height
Inspection opening (made of mmthick glass) in the well doors – not-fitted.

3.Support unit

Number and type of support
units:.....
Suspension system for basket: : 1, of the counterweight..... : 1
Number and type of the support device(s) which are not incorporated in the drive unit for the basket compensation weight(s).
.....
number and type of tensioned – non-tensioned – lower cables:
.....
.....

4.Drive unit

Type of drive unit:
.....
.....
Travel delay – remote control -
Installation of the power unit – above – next to –under – the well:

5.Basket - counterweight

Basket area : m² basket height: m
Number of basket access points with – mechanical – manually-operated – without – basket
door:.....
Weight of the basket : kg
Weight of the counterweight: kg
Weight of the basket compensation weight(s): kg

EC Declaration of Conformity



Consul Werkstattausrüstung GmbH
Daimlerstr. 1
D – 58553 HALVER

EC – Declaration of Conformity For Machine Guidelines TÜV NORD CERT 2006/42/EG

We declare herewith that the vehicle lift of the following detail has been designed, built and installed conforming to the current basic safety and health requirements as stated in the EC – Regulations. If any alterations of the vehicle lift are made which we have not agreed to, this declaration loses its validity.

Designation of the lift: Hoist for the transport of tyres (Reifenheber)

Type designation: Consul 1.05 KTH (Z068)

Machine - No.:

Year of Construction:

Current EC - Regulation TÜV NORD CERT 2006/42/EG
Elektromagnetische Verträglichkeit: EMV 89/336/EWG i.d.F. 93/97/EWG

TÜV NORD CERT-Zertifizierungsstelle der RWTÜV Anlagentechnik

notifiziert bei der EG-Kommission unter der Nr.: 0044
Applied mutually agree standards: EN 1493+A1: 2008 (informativ)
EN 12158-1: 2001 (informativ)
Applied national standards and technical specification: BGG 945

Technical responsible of documentation: Fa. Consul Werkstattausrüstung GmbH 58553 Halver

Da das geprüfte Arbeitsmittel nicht betriebsbereit angeliefert werden kann, ist vor der ersten Inbetriebnahme das Arbeitsmittel durch einen Sachkundigen auf Betriebsbereitschaft zu prüfen. Sachkundig sind die werksgeschulten Monteure der CONSUL-Partner.

EC-Certificate- No.: 44 799 09 377995

Testing institution 0044

Place: Halver

Date: 20.11.2009

Signature:

(Frank Werninghaus, 58553 Halver)

Betriebsleiter

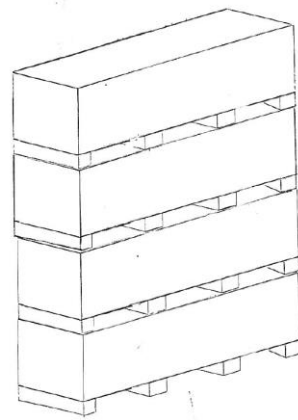
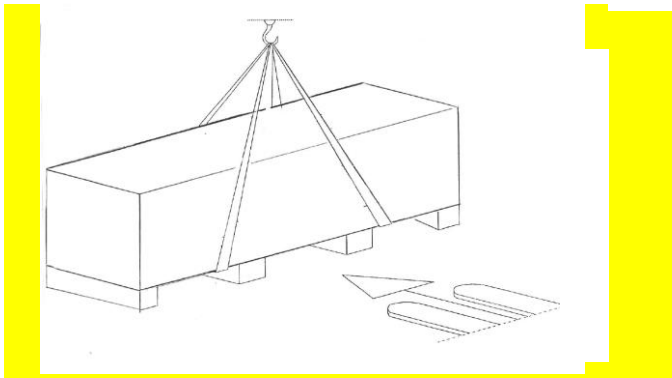
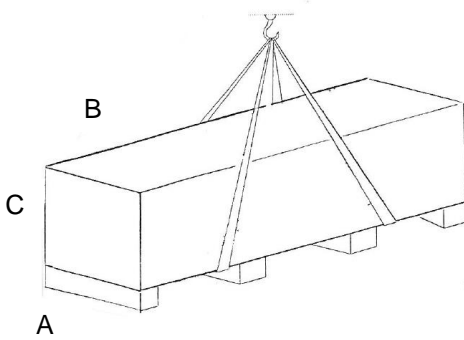
Angaben zum Unterzeichner

Hebebühnenanlieferung/ Transport/ Stapelung

Maße:

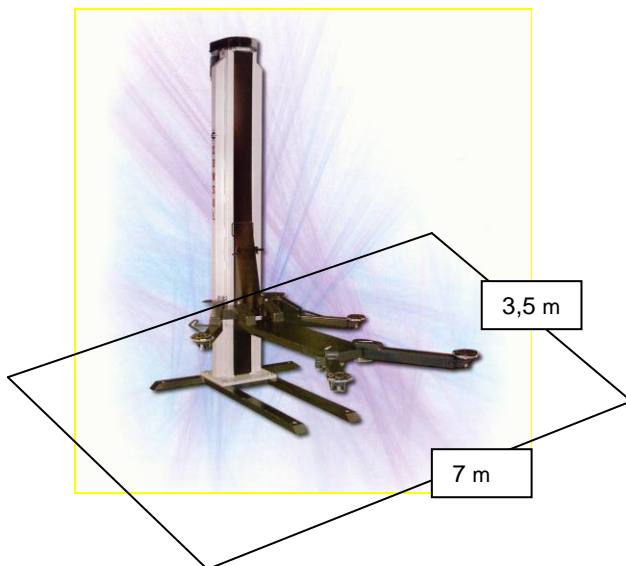
Hebebühne	A	B	C
1-Säulen-Hebebühne	700	3100	700
2-Säulen-Hebebühne	690	3100	570
4-Säulen-Hebebühne	970	3100	450
Scheren-Hebebühne	800	5000	450
Doppelschere	680	1660	790

Maße in mm!



max. 4 Stück

Arbeitsplatzgröße



1 Säulen-Hebebühnen

Platzbedarf
Mindestens 1 m vor , seitlich und
hinter dem
Kfz-Fahrzeug / Hebebühne

**Service memorandum scope of performance vehicle lifting platforms
Tyres and small parts lifting box
(in the following also as platform described)**

1. Delivery by freight forwarder

Invoicing with normal lump-sum freight charge: A forklift truck must be made available at short notice. Weight of the lifting platforms approx. 650 - 2700 kg, depending on platform type.

2. Delivery by truck with loading tailboard

Invoicing with increase lump-sum freight charge: unloading assistance must be provided at short notice. Weight of the lifting platforms approx. 650 - 1000 kg, depending on platform type.

3. Preparations for setting up

Prior to setting up the platforms the following work must be arranged by the operator:

- Preparation of the fundament (see standard fundamentals).
- Laying of electrical connection lead to the place of setting up.
- Laying of compressed air connection to the place of setting up
- Transport of the lifting platform to the place of setting up.

4. Minimum requirements on fundamentals and fixing

The surface of the fundamentals must be level and horizontal for all platforms. The underground must correspond to the general guidelines for building ground (DIN 1054). For lifting platforms set up in the open air, the underground must be frost-proof. When setting up on ceilings, an individual case check must be made with the statical calculations engineer. Platforms can be anchored with dowels M12 or threaded rods, minimum strength 8.8 (40 Nm starting torque) and washers. Additional fixing devices must be provided in accordance with the height of the column.

5. Performance of our customer service section

The Consul customer service section or Consul authorised partner takes on the setting up of the lifting platform with the following performances:

- Dowelling to the floor.
- assembly of the platform (For setting up of the platform, auxiliary personnel, as well as technical auxiliary means must be provided at short notice).
- Electrical functional check and trial run without final mains connection that must be carried out by a local specialist electrician.
- Safety acceptance with entry in the test book.
- Short instruction.

6. Average time requirement (prerequisite is the fulfilment of the above mentioned conditions:

Single column platforms approx. 3 hours working time

Two—column platforms approx.. 4 hours working time (with base frame approx. 3 hours)

With the two- column platforms of the EL model series, the electrical connection cables are only assembled with simultaneous assembly of a cable boom (accessory). Otherwise these cables are laid by the operator.

Four-column platforms:

- without after-lift approx. 7 hours working time
- with after-lift approx. 9 hours working time

Short lift platforms approx. 2 hours working time

Pantograph platforms approx. 9 hours working time

If the lifting platform is set up by the operator himself, the attached assembly and operating instructions must be observed. Subsequently the platform must be subjected to safety acceptance by a Consul customer service section. This includes the following performances:

- ◆ Electrical functional check and trial run.
- ◆ Examination of the individual structural components
- ◆ Entry in the test book.
- ◆ Short instruction.

7. Annual expert check depending on the type of lifting platform (UVV etc.)

In addition to the check prior to the initial commissioning of the platform by our customer service section, the official regulations demand at least one safety acceptance per year experts. Our customer service section will be pleased to submit you a quotation for a maintenance contract.

8. Assembly cost rates and invoicing

The performances of the customer service section stated are invoiced in accordance with the respectively applicable terms and conditions of assembly, hourly rates and lump-sum travelling mounts. Securing material is not included in the delivery programme of the platforms.

9. Guarantee

On the basis of the fact that lifting platforms must satisfy high safety requirements for the protection of their persons working on them, we draw your attention to the fact that we must tie the guarantee entitlement of the operator to the correctly performed safety acceptance and entry of this in the test book. Always use original spare parts. The use of any other parts invalidates the design permit and all claims under guarantee.

Service memorandum standard fundaments

	Individual fundaments:		Concrete floor (hall floor)		
Type:	Fundament dimensions		Fundament characteristics		
	Length in	Width in	Min. thickness	Quality of	Anchoring
	direction of travel	direction of travel	without floor covering	concrete	Depth
Consul 1.20	150 cm	200 cm	15 cm	B 25	10 cm
Consul 1.40	see installation	see installation	see installation	s.	
Consul 2.35 MK	see installation	see installation	see installation	s.	
Consul 2.30 KK	see installation	see installation	see installation	s.	
Consul 2.30 KR	see installation	see installation	see installation	s.	
Consul 2.30 KRN	see installation	see installation	see installation	s.	
Consul 2.25 E	150 cm	350 cm	15 cm	B 25	10 cm
Consul 2.30 Modula	120 cm	100 cm	18 cm	B 25	10 cm
Consul 2.30 Modula EL	120 cm	100 cm	18 cm	B 25	10 cm
Consul 2.35 Modula	120 cm	100 cm	18 cm	B 25	10 cm
Consul 2.35 Modula EL	120 cm	100 cm	18 cm	B 25	10 cm
Consul 2.50 2M	150 cm	350 cm	15 cm	B 25	10 cm
Consul 2.50 2M GF/EL	150 cm	150 cm	18 cm	B 25	10 cm
Consul 4.40 AF/K/EP	100 cm	100 cm	15 cm	B 25	8,5 cm
Consul 4.40 AF/EP	100 cm	100 cm	15 cm	B 25	8,5 cm
Consul 4.40 AF/SN/EP	100 cm	100 cm	15 cm	B 25	8,5 cm
Consul 4.60	100 cm	100 cm	18 cm	B 25	10 cm
Consul 4.120	150 cm	150 cm	18 cm	B 25	10 cm
Consul 0.25 KH	150 cm	200 cm	15 cm	B 25	8,5 cm
Consul 0.05 MH	150 cm	100 cm	15 cm	B 25	8,5 cm
Consul 0.35	400 cm	200 cm	18 cm	B 25	10 cm
Consul 0.35 S/N	400 cm	200 cm	18 cm	B 25	10 cm
Consul tyres lifting box	see installation	see installation	see installation.	see installation	10 cm
The setting up of the lifting platforms is only admissible and will only be carried out if the minimum requirement on the fundaments indicated are fulfilled at the place of setting up.					

The right is reserved to make technical alterations without notice!

Foreword

Your Consul lifting platform has been design-tested in its basic concept, it offers you maximum economic efficiency and safety. It is up to make use of these advantages.

A prerequisite for this is correct operation, perfect maintenance and good care of the lifting installation. Please read these operating instructions carefully. They provide you with all necessary data and show how simple it is to keep your lifting installation ready for use at all times.

Your Consul platform is only designed to raise automobiles or vehicles whose total weight does not exceed the ramp's maximum permitted load capacity.

Your Consul platform is designed to raise small loads. The carrying of people is not permitted. When using the platform in lacquering plants or rooms in which a large amount of work is carried out with solvent-containing materials, pay attention to the risk of explosion. In its standard form the drive is not protected against explosion.

Safety devices

Your lifting platform is equipped with a serie of safety devices that ensure safe operation given correct handling.

When setting up and operating please pay attention to the correct function of the safety devices and check these following each case of disturbance.

Pay attention to ensuring that in particular theses safety devices are subjected to a functional trial following each case of disturbance.

Only have your lifting installation maintained and repaired by trained fitters with corresponding certification.

Only original spare parts should be used. In the event of third-party parts being installed, the design authorisation shall lose its validity.

In accordance with the regulations regarding the operation of the lifting installation, lifting devices must be checked for their operational safety by an expert at the lates after one year.

This checked must be entered in the test book of the lifting installation.

In this respect please pay attention to ensuring that only company-trained experts, who have been instructed in the function of the lifting platform and who are in possession of a certificate from the manufacturing company, check and accept your lifting installation.

Product description

This lifting platform for tyres and other parts consists fundamentally of the drive column with the lifting spindle and the carriage with the basket.

The drive unit causes the lifting spindle to turn. Situated on the spindles is a nut that is connected to the lifting truck and which, depending on the direction of rotation of the drive, move upwards or downwards and thus complete the raising or lowering movement. The lifting truck is guided in the column with maintenance-free ball bearing track rollers.

Situated on the column is a V-belt motor for driving the spindles.

In accordance with the movement symbols, the drive is switched on and switched off in the different positions.

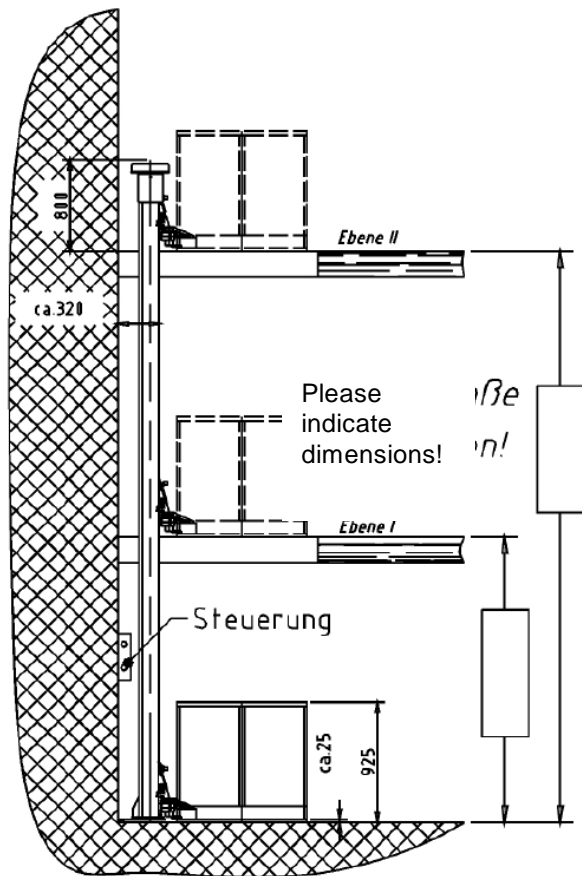
The platform can be stopped in every position with the „Stop“ switch – all the lamps are off.

Further travel is possible if the direction symbol button is pushed. The relevant button lights up when the end position is reached. When a door is opened, the white “stop” lamp lights up.

In addition to a number of passive safety fittings, the lifting platform is also equipped with active safety fittings. Thus, for example, the supporting nut breakage protection which, in the event of a worn thread, transfers the load to a safety nut which, up until this point, has been running along unburdened. In this respect a mechanical barring system is triggered which, in the event of a worn supporting nut, prevents complete starting up again from the basic position, whereby unintentional continued travel on the safety nut is excluded.

The heat sensor in the drive motor which switches off the platform in the event of over-heating and only releases it again after cooling down.

Setting up

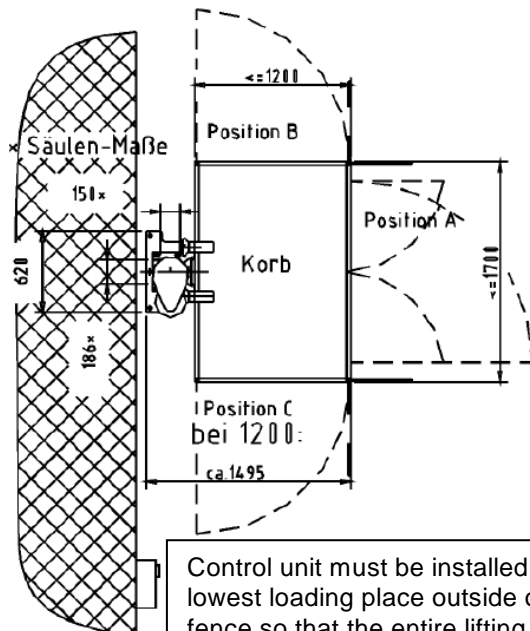


Technical Data:

Carrying capacity:	500 kg
Motor output:	3 kW
Lifting time:	ca. 0,06 m/s
Connected load:	400 V
ED-operation:	S3

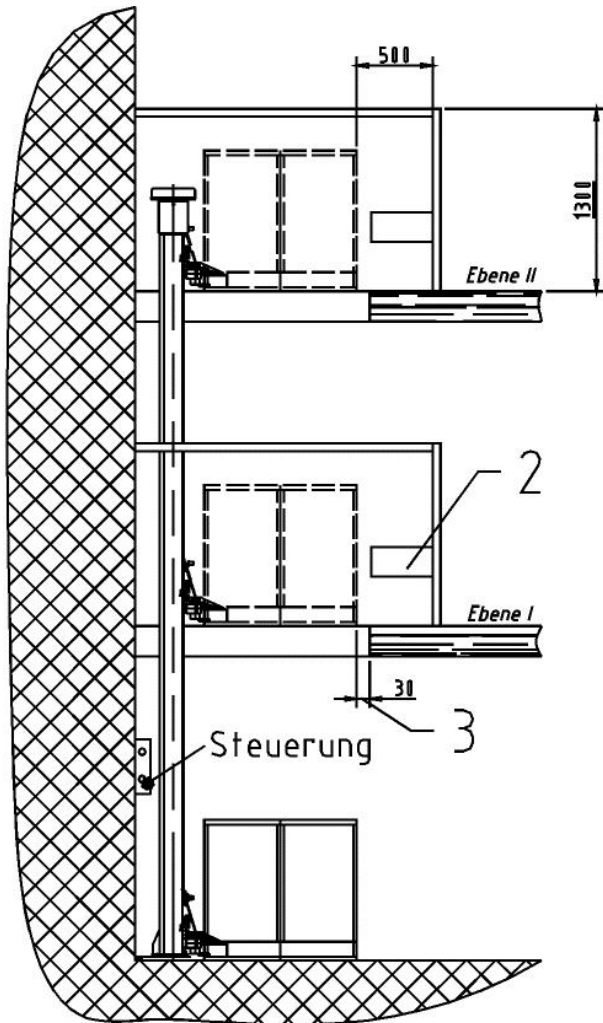
Subject to change without prior notice!

Fixing possibilities must be provided für additional column fixing devices in case of a lifting height over 2,5 m.



Control unit must be installed at the lowest loading place outside of the safety fence so that the entire lifting area can be perfectly observed.
(control unit included in delivery!)

Installation and safety devices



Example of installation and safety measures:

Depending on the existing situation, the following minimum safety regulations must be met.

Re 1

The lower loading position not require

A protection unit. However, a coat of warning paint must be applied which is 0,5 mm wider on all sides that the projection area of the loas supporting unit.

Re 2

A 0,5 m area must remain between the loading site doors and must be kept safe by means of a protective bow construction in such a way that it is not possible to close the doors when anybody is inside this area.

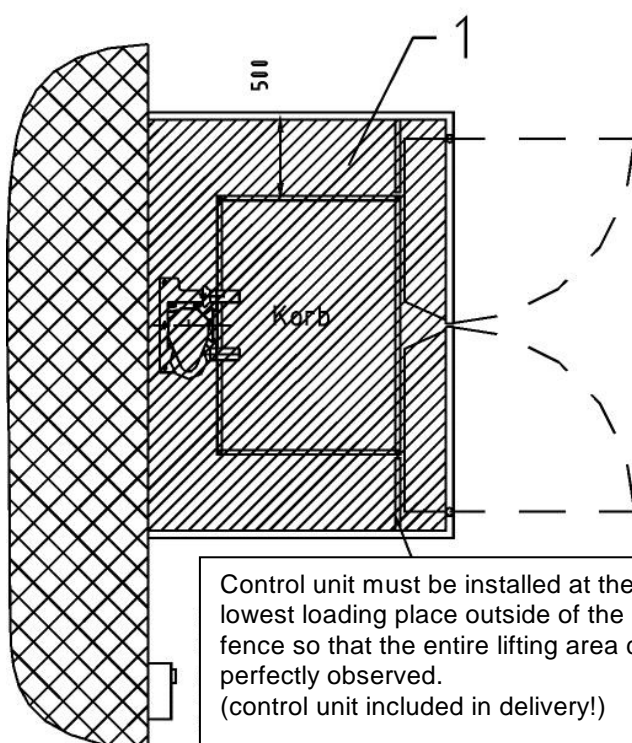
Re 3

The horizontal clearance between the access edge and the load support unit is 0.03 m..

Re 4

Precautions must be taken at the upper load points to prevent loads from falling off sideways.

DIN31001, EN294,EN...;pr EN12158 states that any danger of crushing, shearing or collisions must be avoided.



Control unit must be installed at the lowest loading place outside of the safety fence so that the entire lifting area can be perfectly observed.
(control unit included in delivery!)

Foundation

As the Z068 lift is designed without a basic frame, the floor and the foundations are extremely important. The load transmission created by the load to be lifted and the weight of the lifting column itself passes through shear connectors into the foundations.

Prior to setting up the lifting installation, it is indispensable that you obtain clarity regarding the prevailing underground (see leaflet foot anchoring for lifting platforms).

Following clarification of the prevailing underground, a decision can be made regarding the form of the respective securing! According to the leaflet the anchoring depths of the heavy burden anchors must be adhered to, since otherwise there is not sufficient safety! (The anchors are **not** in the delivery programme)

The correct length of the heavy burden anchors of the dowel is determined through the addition of the dimension "h" + thickness of the paving concrete and height of the tiles + building component height of the assembly plate. The drill diameter and the starting torque for the heavy burden anchor are type-specific- here the manufacturer's instructions must be observed.

A prerequisite for a perfect setting up is a level and horizontal concrete floor (min. BN25, frost-proof) with a corresponding load bearing capacity.

It is important that the column will be fixed additionally in the area of the upper floor!

Depending on the type of anchoring, use appropriately-sized washers for 21+1 drill holes in the baseplate.

Floor Fixing

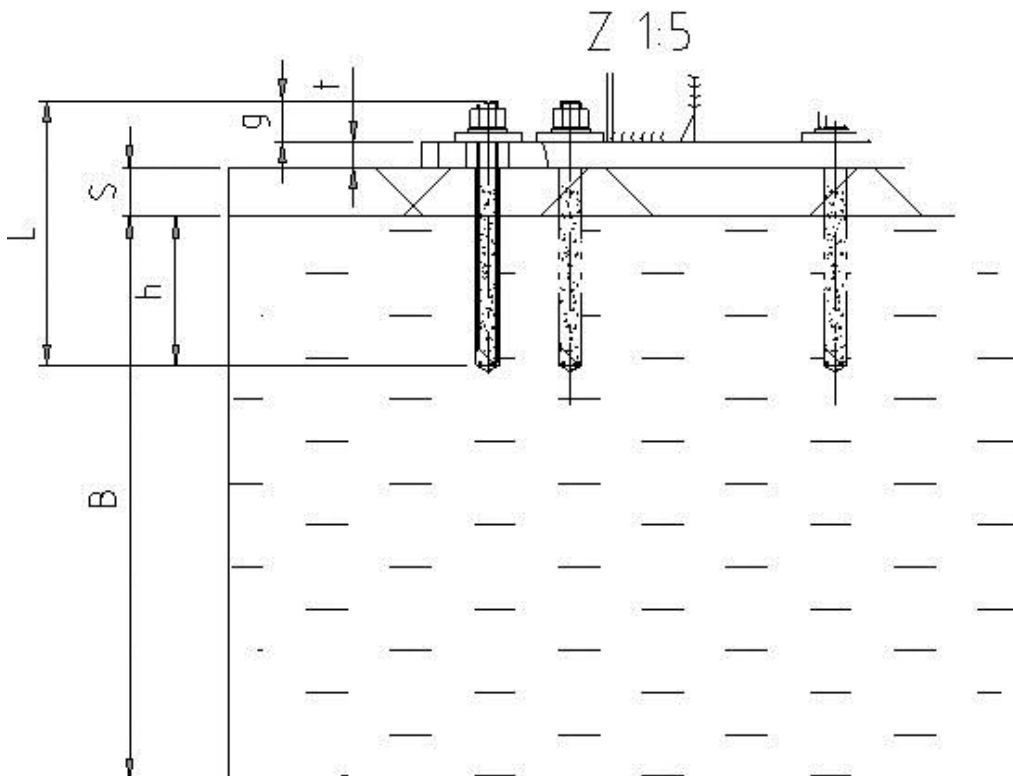
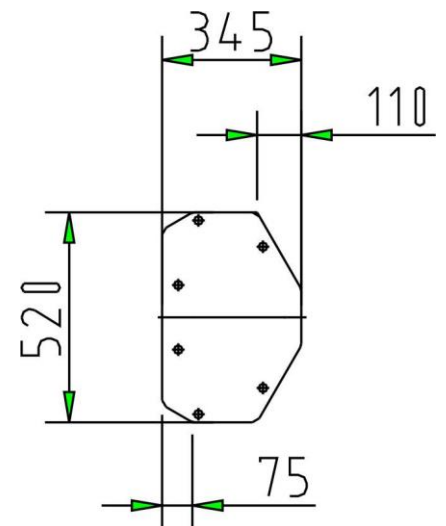
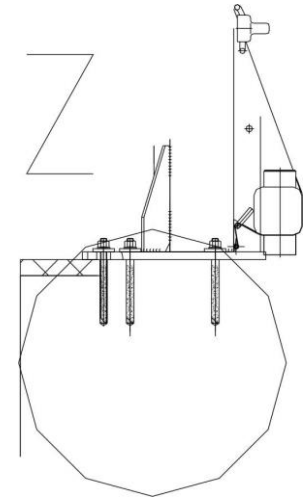
Please use only shear connectors of through bolts!

B = floor thickness (21 cm)
 s = thickness of ground covering til concrete
 t = Thickness of components
 h = anchoring depth of anchors C20/25
 according to specification of manufacturer

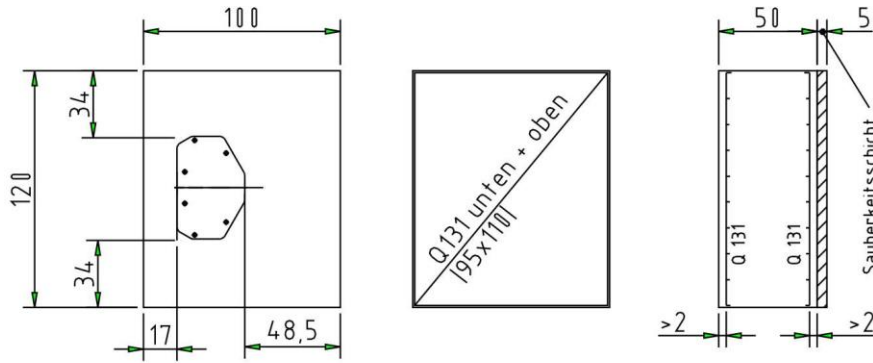
Depending on the type of anchoring use appropriately sized washers for 21+1 mm drill holes in the baseplate!

Please use drill holes of baseplates as stencil!

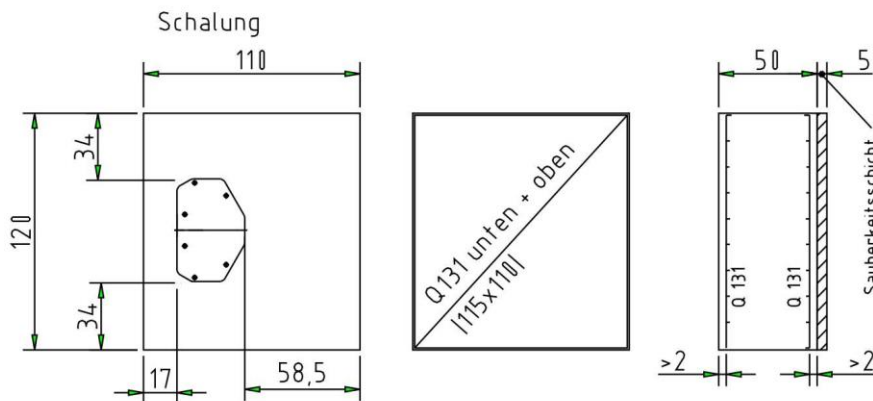
Subject to change without prior notice!



Foundation work



Untergrund
zul. $\Sigma B \geq 200 \text{ kN/m}^2$
 B25, BST 500 M
 Betondeckung > 2,0 cm



zul. $\Sigma B \geq 150 \text{ kN/m}^2$

The foundation must be frost-protected and on grown earth!

Floor plate B25

Thickness=> 21 cm

Erf. A_{sx} = 2,57 cm²/m – lower reinforcement, BST 500 M

Erf. $A_{s\ x,y}$ = 3,77 cm²/m - reinforcement, BST 500 M

Column fitting: for ex. Liebig adhesive anchors type 12
 Hilti HVA/HAS-M12x110

Important: Always follow the assembly instructions and keep to the min. anchoring depths specified by the dowel manufacturers.

Individual certificates must be provided for anchoring on an existing reinforced concrete ceiling!

Assembly and commissioning

First of all the lifting platform is set up on its position. Details of the clearance dimensions for the column/baseplate are shown in the relevant sketch of dimensions.

There must be a sufficient safety interval between the lifting platform and any other limitations (wall, etc.) respectively between the raised load and the limitations. After the column has been aligned (with the lift disconnected from the mains), the baseplate can be dowelled into position.

Following renewed checking of the set-up situation., the baseplate is dowelled (the floor braces must lie on with their entire surface!). 6 dowels M12 (for ex. Liebig-adhesive anchors M12, or comparable dowels of others manufacturers). The anchoring depth in the concrete (BN25) must correspond to the guidelines of the dowel's manufacturer. The dowels have to resist to a min.acceleration strength of 8 kN.

The torque acceleration is about 40 Nm. The length of the dowels has to be selected in accordance with the chapter "Fundament". The above indicated details of the dowels refer to the Liebig-adhesive anchor M12. Other dowels products that have been approved for the concrete by the building supervisory authorities can also be used. The dowels are **not** in the delivery programme.

The lifting column should be perpendicular and under no circumstances inclined towards the inside. Slight inclination towards the outside (up to 10 mm) is deliberate. If necessary, equilisation of floor and floor braces must be carried out by placing additional sheets underneath.

With the cabling, careful attention must be paid to ensuring that no wires are mixed up! Prior to starting electrical work, the instructions for the initial setting up must be read carefully and observe! The Consul Service Section is at your disposal for further-reaching questions.

Install the electrical connections. The electrical installation of the lifting platform must be performed by an electrical expert on the basis of the connection diagram provided and of the VDE regulation 0100. Operate the operating switch. The platform must move in accordance with the direction of travels symbols, if necessary alter the direction of rotation by interchanging the conductors.

Important:

Protective conductors checks must be carried out following initial installation, after repairs, after alterations to the installations as well as prescribed under the VDE regulation 0100!

Securing the load support unit (basket) against unintentional unhooking:

Secure the solid journal bearing to the support bolts using safety hexagonal screws:

Important. Full anti-twist protection of the self-securing screws is only attained after 24 hours.

Control the spindles protection. The baffle plate for the tightening strap must have sufficient clearance from the column to ensure that the tightening strap is not trapped and damaged. Adjust the baffle plate if necessary.

If the tightening strap creates any humming sounds during operation, lubricate the back of the strap with some multi-purpose grease.

Check switching off and the safety stop carefully through trial runs or reprogram. When the lifting unit has been checked by an expert, commissioning can ensure.

The result of the test must be entered in the test book.

Practical operation

First of all place the main switch to the „on“ position. By means of operating the operating switch the platform is placed into operation in accordance with the direction of running symbols.

The lifting unit can be stopped in any position by means of the stop button – all the lamps are off. Further movement is made possible by activation of the direction-symbol buttons. The relevant button lights up in its end position. When a door is opened, the white “stop” lamp lights up.

Before raising or lowering the platform. Check that there is nobody in the risk area, no objects are leaning against the platform.

No objects must be allowed to protrude outside the basket.
The load capacity of the tyre lifting unit is 500 kg and must not be exceeded.

The lifting device is only designed to be used for lifting tyres and small parts. Any other use, no matter how appropriate it may appear, does not correspond to the intended purpose.

The lifting platform must only be operated by authorised personnel!

According to the accident prevention regulations, persons under the age of 18 are forbidden from operating an lifting platform.

Never allow anybody to ride in the basket. See also the operating instructions on the lifting platform.

Should disturbances occur on the lifting platform, the installation must be taken out of operation immediately, secured against unauthorised use and notified to Consul Customer Service Section

Maintenance and care

Prior to carrying out any work the lifting platform must be rendered free of voltage and secured against unauthorised use!

Care and constant readiness are indispensable for a long life of your platform.

In this respect the lubrication requires special attention. A drip oiler must be fitted and must always be filled with sufficient adhesive oil (e.g. Esso, Milcot K68). The amount of oil must be checked according to the frequency of use of the lifting unit and the amount of drip oil. Estimate the cycle during test operation.

Manner of function of the protection against moving back up

Your lifting platform has a protection device in the column that places the platform out of operation in the event of a defective supporting nut. For explanation of this function of the protection against moving back up, please see the following drawing.

Figs 2 and 3 on page 21 show the arrangement of the supporting nuts or safety nuts with the moving-up angle situated between both nuts. These supporting elements are situated well protected inside the lifting truck and are not accessible from the outside.

During operating of the platform the safety nut runs along unburdened, the safety interval to the lifting truck is given.

If the thread of the supporting nut becomes worn, the lifting truck will fall onto the safety nuts which, until then, have run along unburdened and at the same time presses the free leg of the protection against moving back up into the direct vicinity of the rear wall of the column (see fig. 3).

In this defective start of the supporting elements, only lowering of the lifting installation is possible. In the event of renewed moving back up, this free-standing leg of the moving-up bracket will knock under the cap piece welded onto the rear wall of the column and thus arrest the upward movement.

Under no circumstances must the bar against moving back up again be placed out of function.

If the lifting unit stops from the lower position approx. 10 cm above the column baseplate while moving upwards, the supporting elements are defective.

Following reaction of the protection against moving back up, the platform must not be used any more before repair by expert personnel. Repairs carried out incorrectly result in an danger to person and the platform!

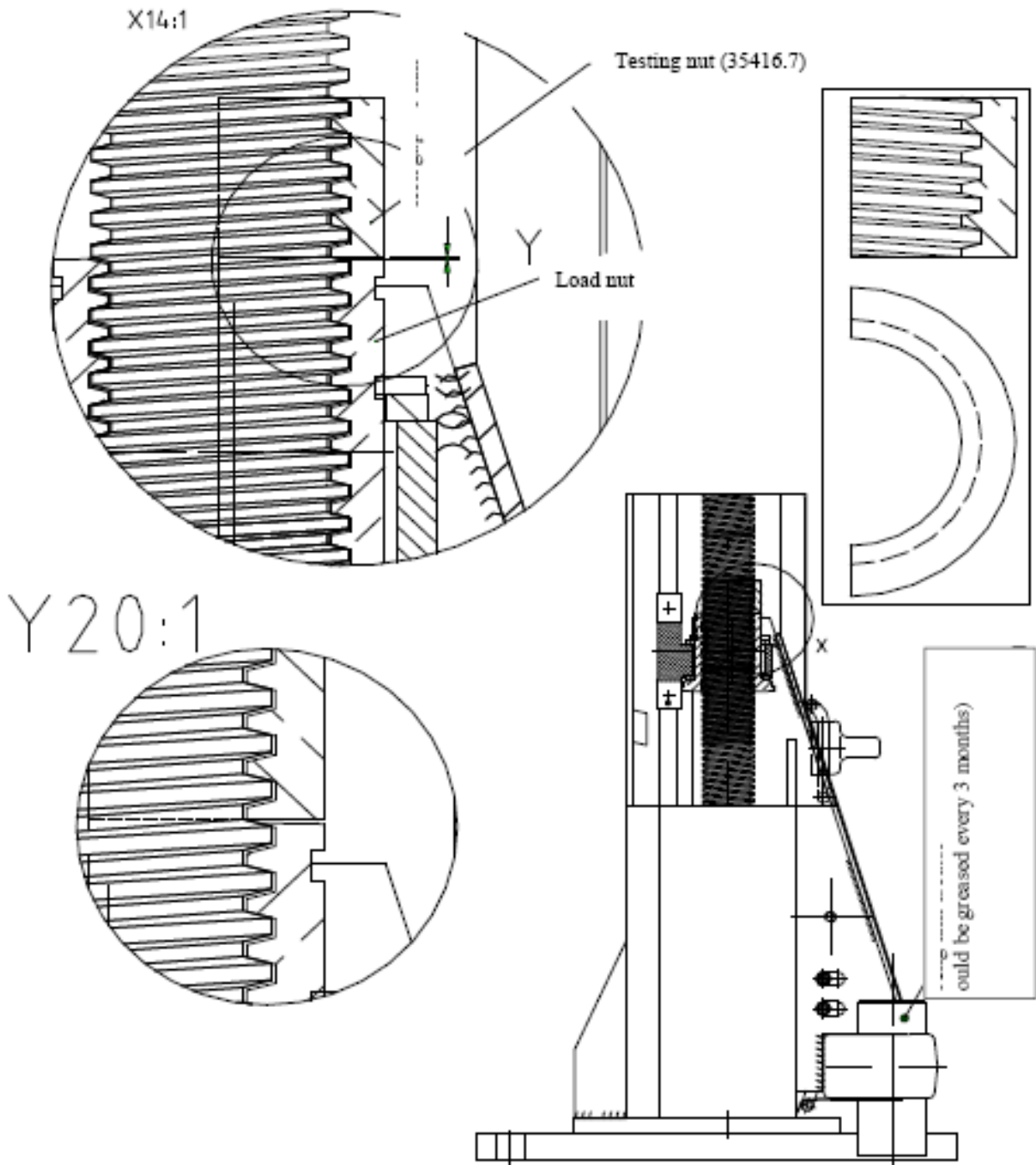
In order to be able to determine the wearing of the supporting nut, you should proceed on time as follows:

Check of wear and tear on supporting nut

with „Trapezoidal thread Tr45x6“, testing nut, available as a special accessory(Identification no.: 35416.7).

1. Remove casing until supporting nut is visible in the lifting truck.
2. Press lifting truck upwards with corresponding level and hold.
3. Place testing nut on the spindle, turn to the left until it is sitting on the nut.
4. Lower the carriage.
5. The lack between supporting nut and test nut is to measure with measure instruments. **If the difference is more than 1 mm, the supporting nut has to be changed!**

Test of use of the supporting nut



Load nut Failure

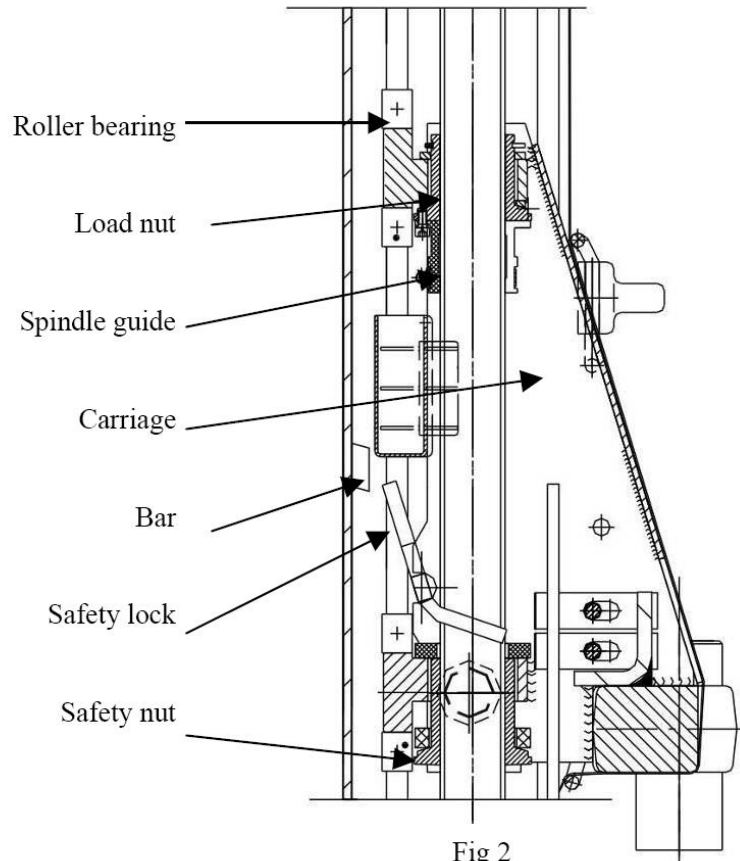


Fig 2
Load nut o.k.

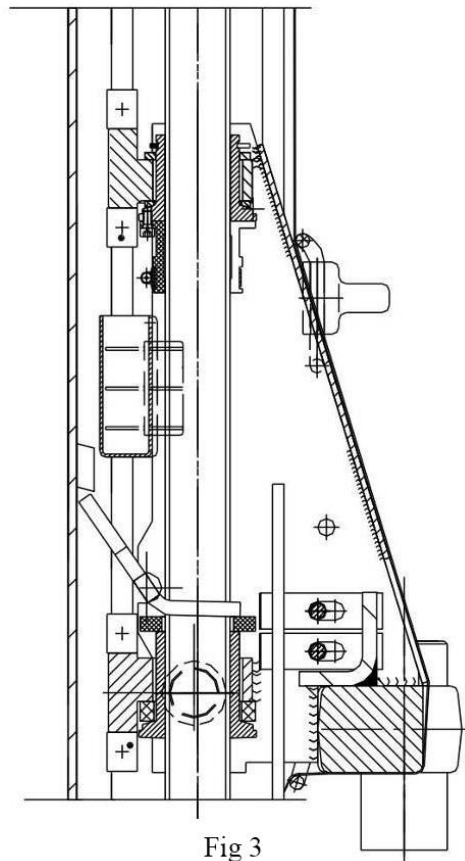


Fig 3
Load nut destroyed

Disturbance and cause

Should disturbances that can not repair by an expert occur, render the platform free of voltage immediately, place out of operation, secure against unauthorised use and notify the Consul Customer Service Section.

All repairs must only be carried out by trained (correspondingly qualified) person!

- Noises during the raising and lowering movement

Cause :

Insufficient lubrication, worn spindle bearing, loose V-belts

Removal:

Lubrication of the spindles. In the event of defects to the spindle bearings, renew these.

Retention V-belts (replace).

- Platform no longer switches on electrically

Removal:

Check of the load current switching elements as well as check of the functioning of the motor.

Check of the main switch, control current circuit, chain runback switch, fine-wire fuse, as well as continuity test test of the heat switch in the motor coil.

Check if the door is locked.

- Platform does not lift the load taken

Check whether the admissible carrying capacity of the platform has been exceeded

Check lubrication between supporting nut and spindle. Check electrical lead to the electro motor

As to whether voltage is pending on all three phases, check the contactor contacts, the V-belts.

- Lifting truck or platform only moves up a few 100 mm.

Removal:

Check of the safety device, supporting nut is probably worn and the moving back up angle switches the platform of mechanically i.e. the mechanical protection against moving up has started to function.

Stop the platform immediately, secure against unauthorised use and request Consul customer service.

In case of disturbances that go over and beyond the points set out, the Consul customer service must be involved.

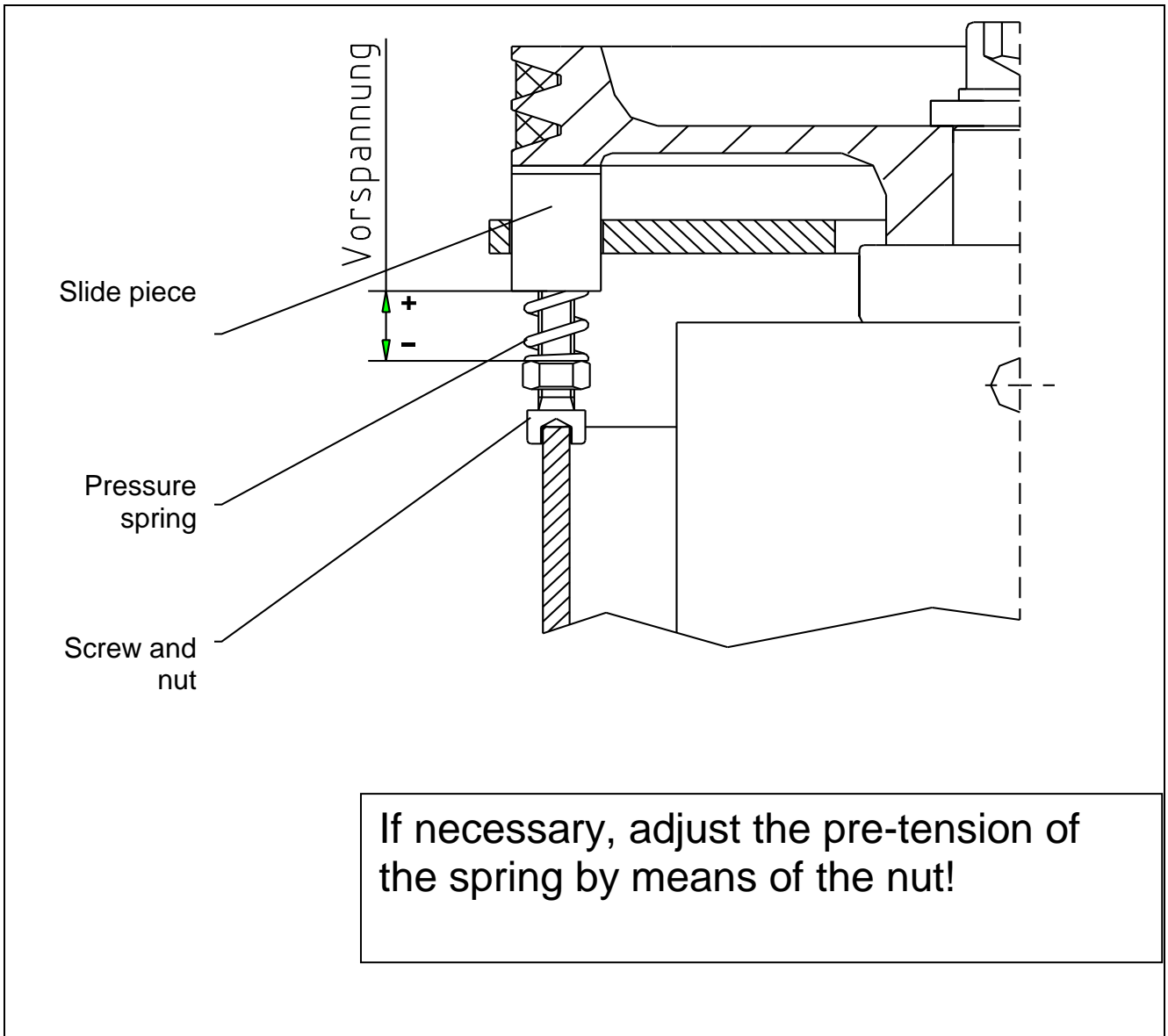
Repairs to Consul lifting platforms must only be carried out by authorised customer service sections.

Only "Original Consul spare-parts" should be used. In case of using third-party parts, the design authorisation shall lose its validity.

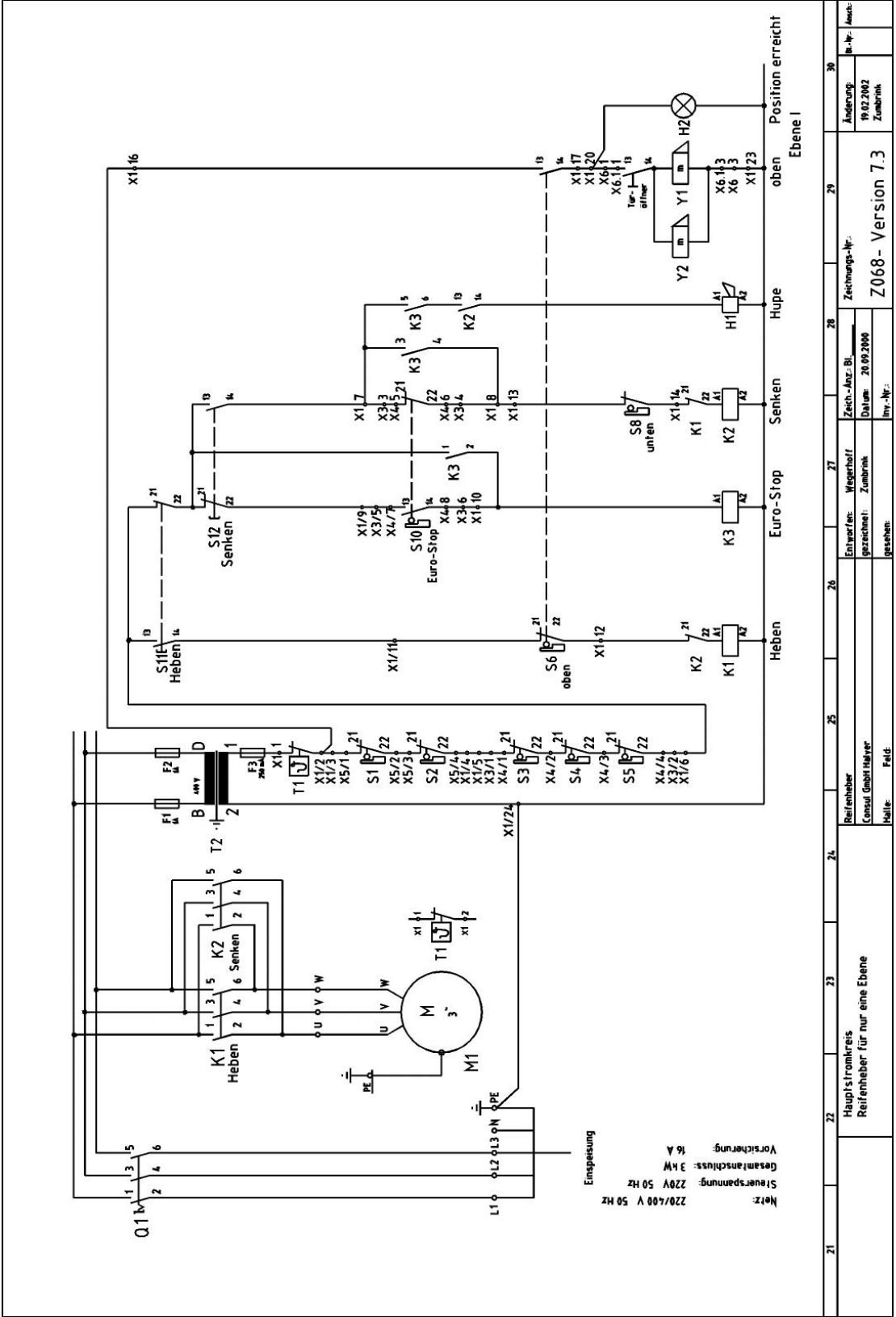
Mechanical overrun regulator 34987.8

When the hood has been removed and the system is load-free, it should just be possible – using both hands – to turn the large belt disc.

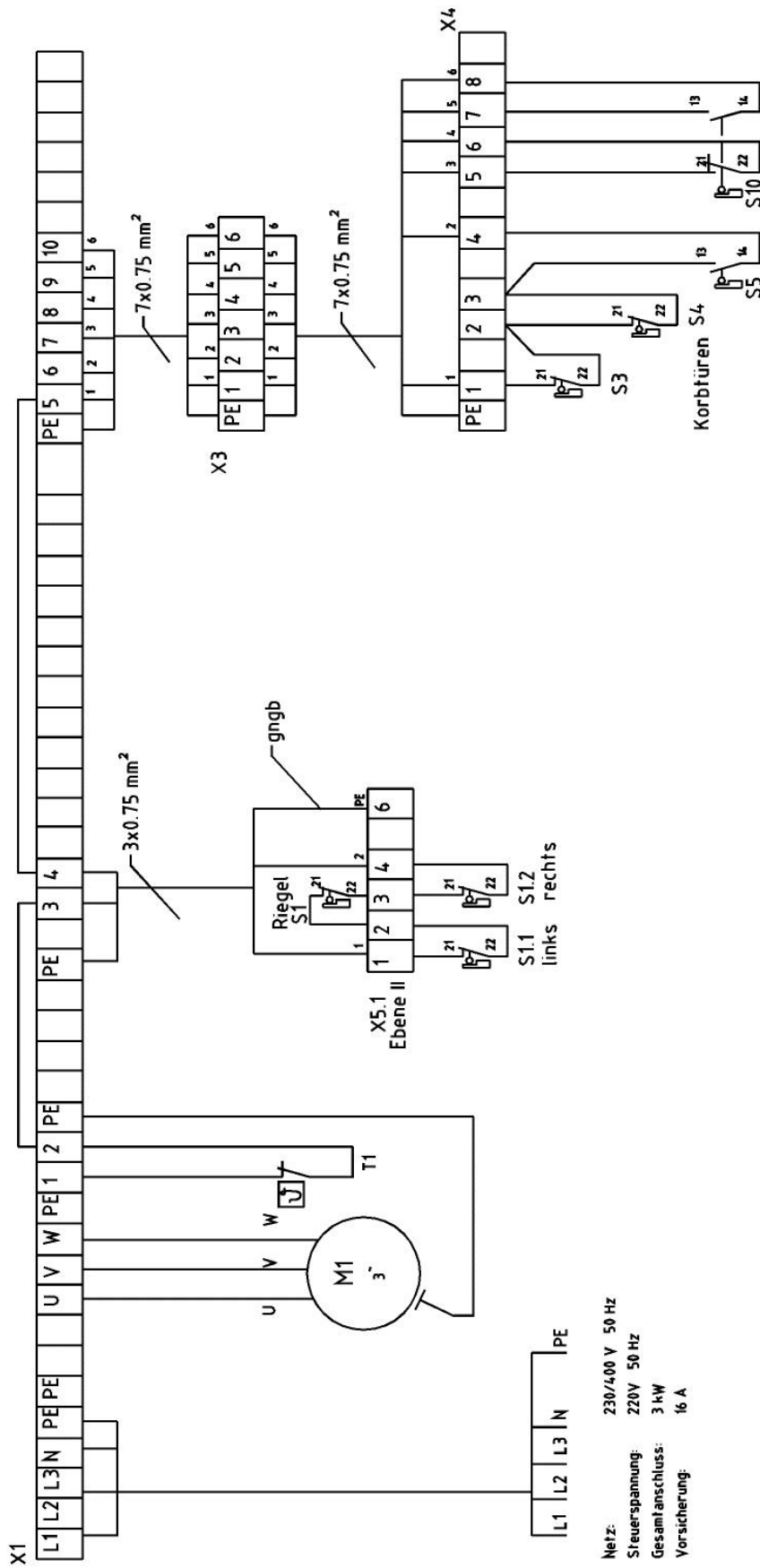
The lifting platform is fitted with a regulatory device with an adjustable braking effect. The purpose of this is to limit the overrun of the carriage caused by inertia of masses and the various effects of friction.



Electric switch plan

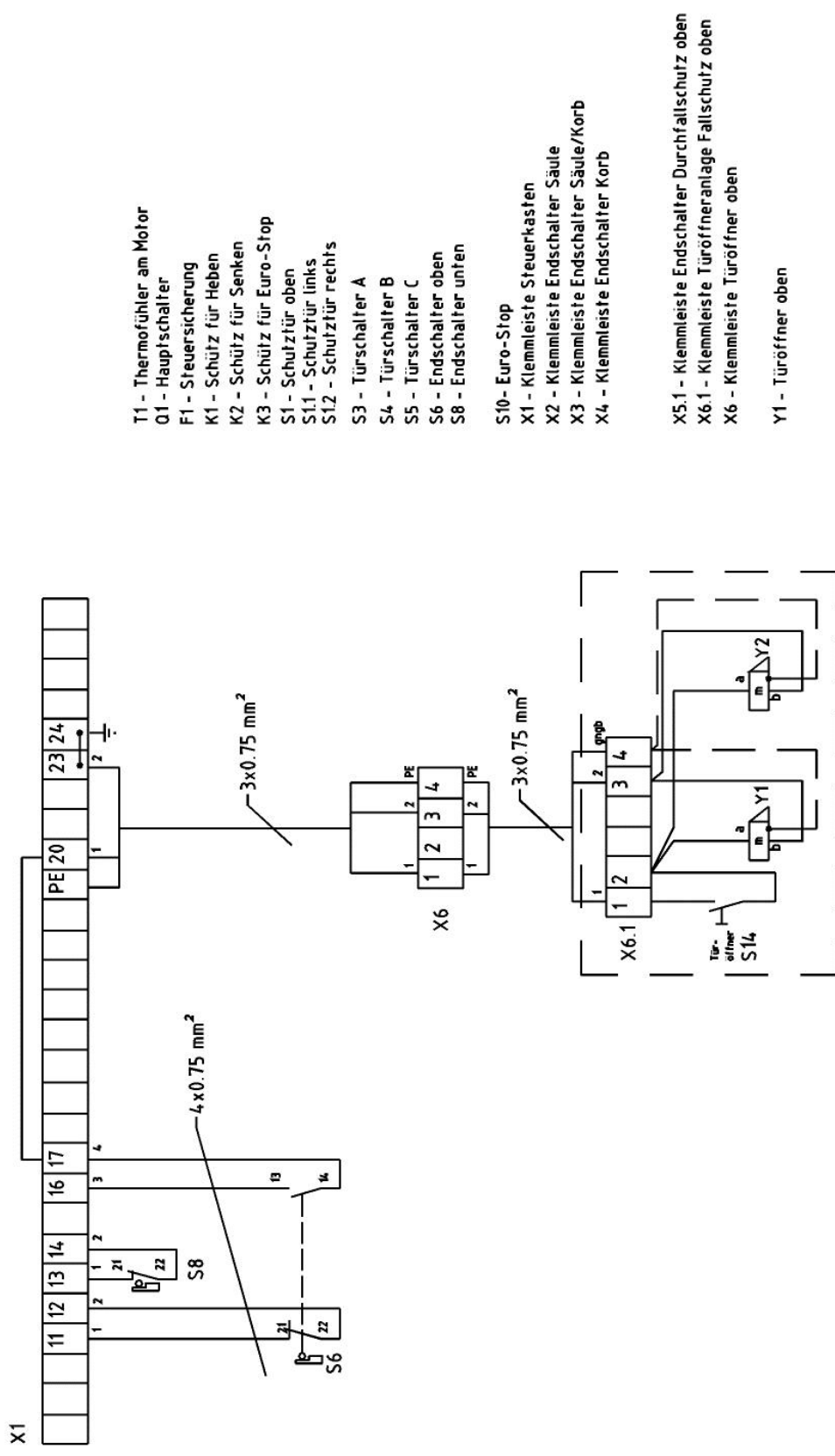


21	22	23	24	25	26	27	28	29	30
Hauptstromkreis		Reifenheber		Reifenheber für nur eine Ebene		Reifenheber		Reifenheber	
Halle:		Feld:		Zustand:		Zustand:		Zustand:	
Datei:		Datei:		Datei:		Datei:		Datei:	
Zeichnungs-Nr.:		Zeichnungs-Nr.:		Zeichnungs-Nr.:		Zeichnungs-Nr.:		Zeichnungs-Nr.:	
Z068 - Version 7.3		Z068 - Version 7.3		Z068 - Version 7.3		Z068 - Version 7.3		Z068 - Version 7.3	
Datum: 20.09.2000		Datum: 20.09.2000		Datum: 20.09.2000		Datum: 20.09.2000		Datum: 20.09.2000	
Iny.-Nr.:		Iny.-Nr.:		Iny.-Nr.:		Iny.-Nr.:		Iny.-Nr.:	
Angeleg.:		Angeleg.:		Angeleg.:		Angeleg.:		Angeleg.:	
19.02.2002		19.02.2002		19.02.2002		19.02.2002		19.02.2002	
Zustand:		Zustand:		Zustand:		Zustand:		Zustand:	
Zustand:		Zustand:		Zustand:		Zustand:		Zustand:	



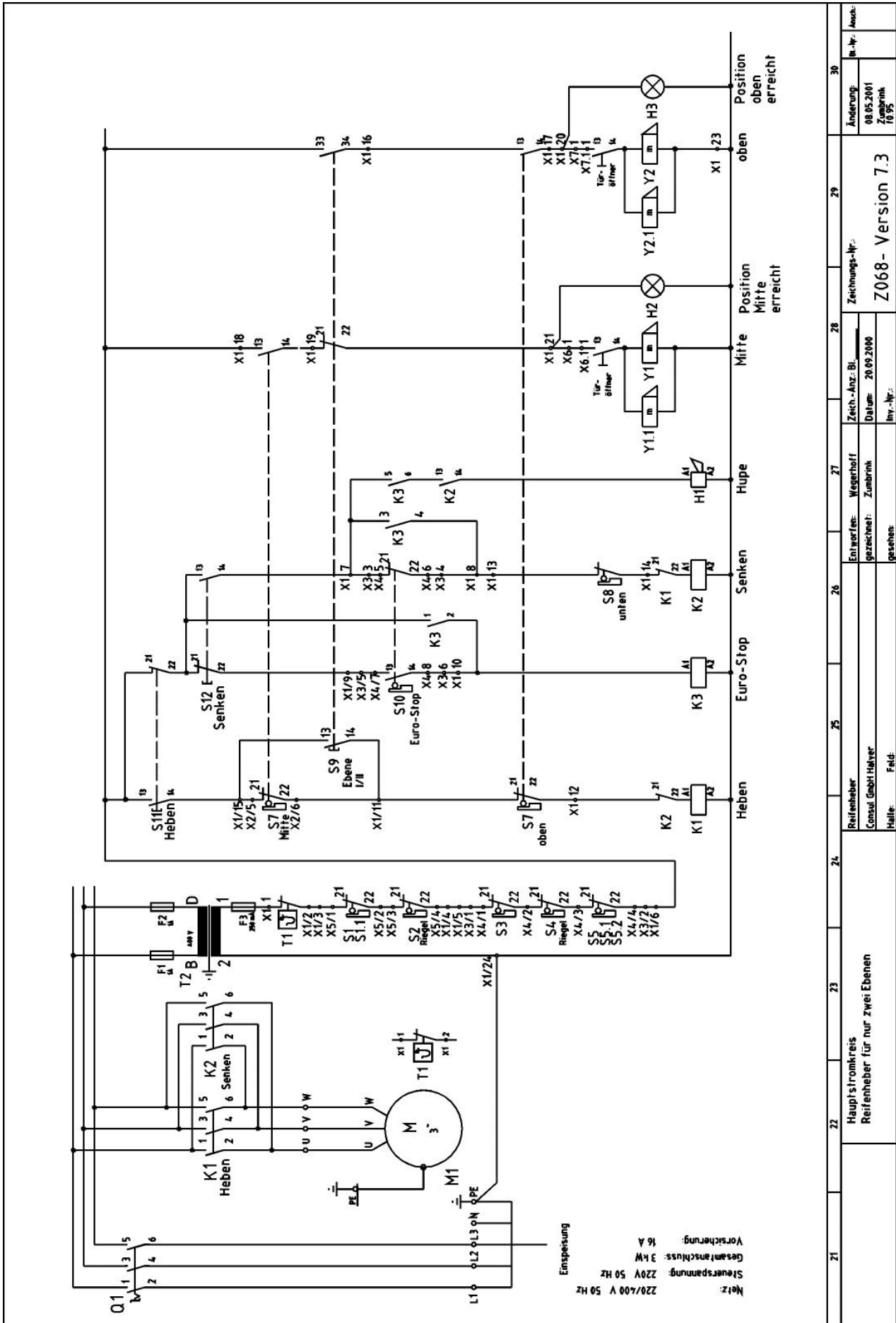
Netz: 230/400 V 50 Hz
 Steuerspannung: 220V 50 Hz
 Gesamtanschluss: 3 kW
 Vorsicherung: 16 A

31	32	33	34	35	36	37	38	39	40
Klemmenplan I Reifenheber für nur eine Ebene		Reifenheber Consul GmbH Hager		Entwerfer: Wegshoff gezeichnet: Zumbirk		Zeichnungs-Nr.: Z068 - Version 7.3		Änderung: 19.02.2002 Zumbirk	
Halle: Feld:		Datum: 22.02.2001		Inv.-Nr.:					

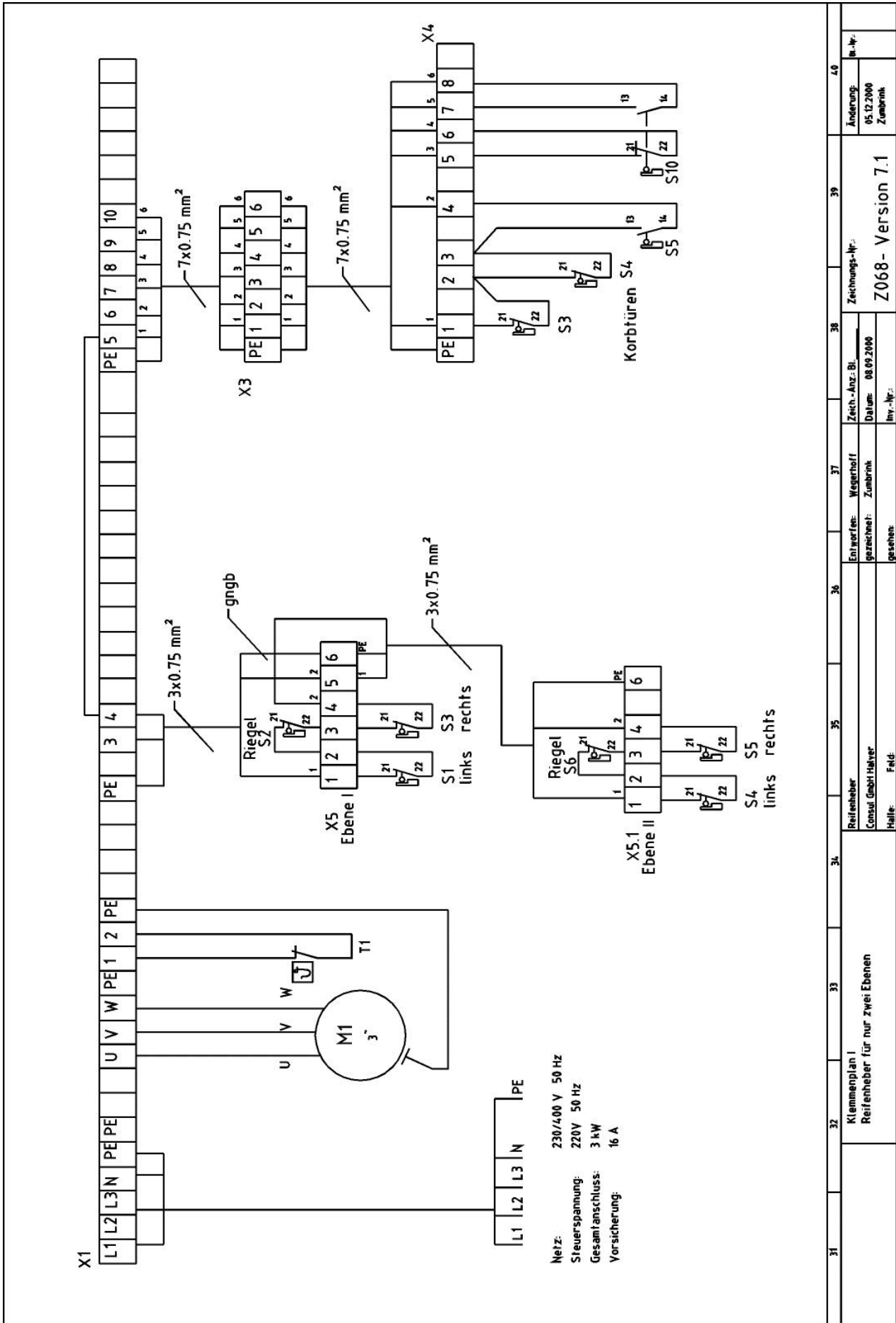


- T1 - Thermofühler am Motor
- Q1 - Hauptschalter
- F1 - Sicherung
- K1 - Schütz für Heben
- K2 - Schütz für Senken
- K3 - Schütz für Euro-Stop
- S1 - Schutztür oben
- S1.1 - Schutztür links
- S1.2 - Schutztür rechts
- S3 - Türschalter A
- S4 - Türschalter B
- S5 - Türschalter C
- S6 - Endschalter oben
- S8 - Endschalter unten
- S10 - Euro-Stop
- X1 - Klemmleiste Steuerkasten
- X2 - Klemmleiste Endschalter Säule
- X3 - Klemmleiste Endschalter Säule/Korb
- X4 - Klemmleiste Endschalter Korb
- X5.1 - Klemmleiste Endschalter Durchfallschutz oben
- X6.1 - Klemmleiste Türöffneranlage Fallschutz oben
- X6 - Klemmleiste Türöffner oben
- Y1 - Türöffner oben

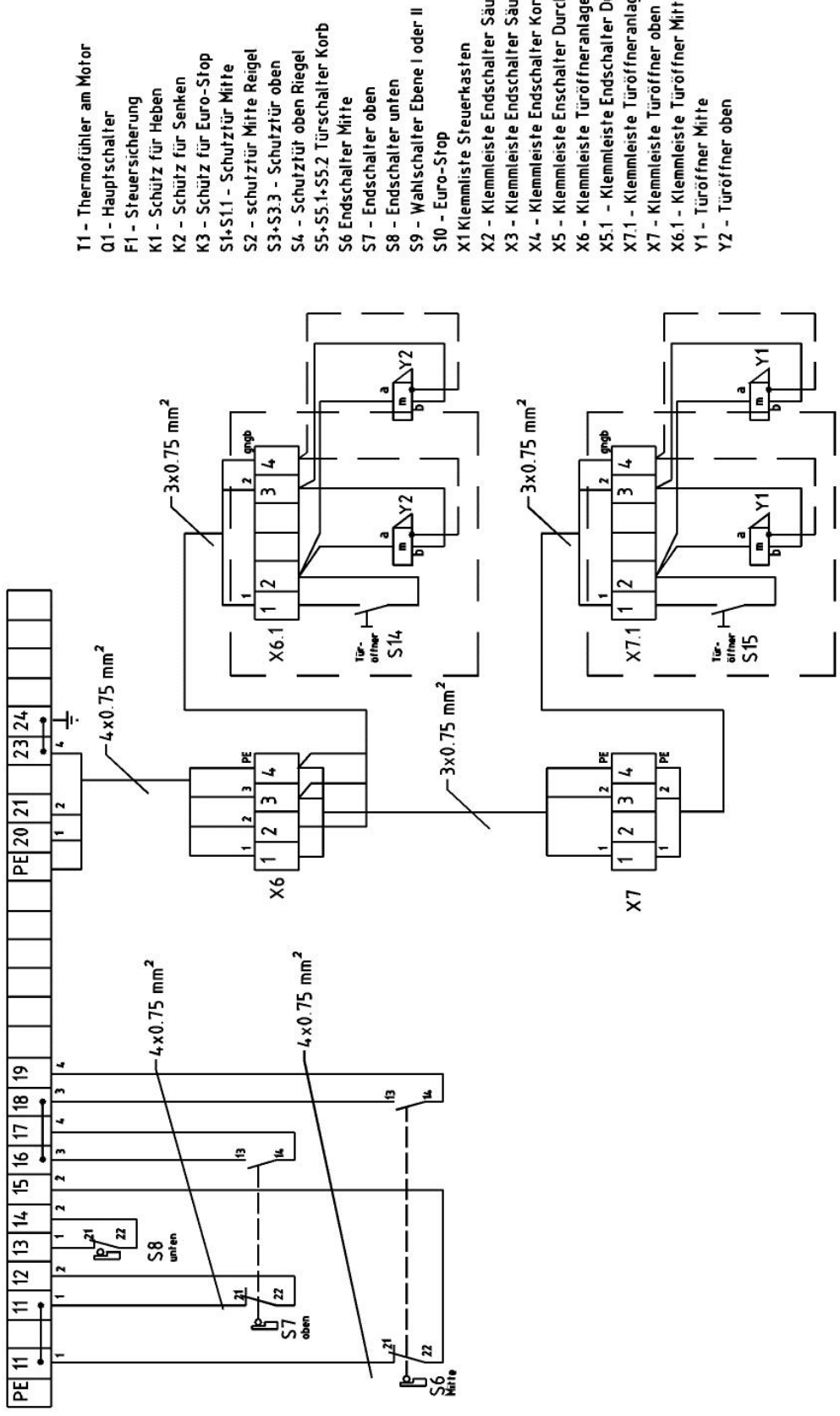
41	42	43	44	45	46	47	48	49	50
Klemmenplan II Reifenheber für nur eine Ebene		Reifenheber Consul GmbH Halber		Entworfen: Wegerhoff gezeichnet: Zumbirk gesehen:		Zeichnungs-Nr.: Z068 - Version 7.3		Änderung: 19.02.2002 Zumbirk	
		Halle: Feld:		Zech.-Anz. Bl.: Datum: 08.09.2000		Inv.-Nr.:			



21	22	23	24	25	26	27	28	29	30
Hauptstromkreis Reifenheber für nur zwei Ebenen		Reifenheber Consul GmbH Hülver		Entworfen: Wegerhoff gezeichnet: Zumbirk		Zech.-Anz. Bl. Datum: 20.09.2000		Zeichnungs-Nr.: Z068 - Version 7.3	
Halle: Feld:		gesehen:		Inv.-Nr.:		Anmerkung: 08.05.2001 Zumbirk 10.95		Ansch.	



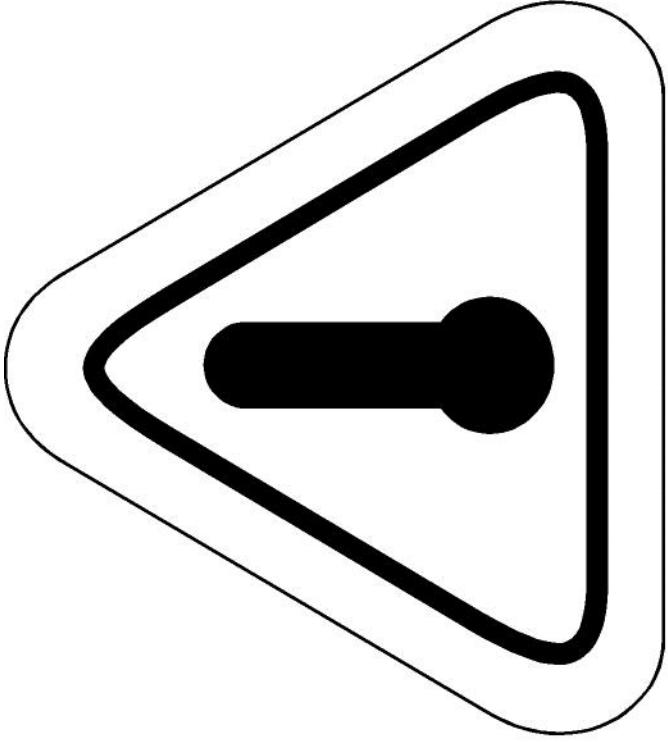
31	32	33	34	35	36	37	38	39	40
Klemmenplan I Reifenheber für nur zwei Ebenen									
Reifenheber Consul GmbH Hülver		Entworfen: Wegerhoff gezeichnet: Zumbirk		Zech.-Anz. Bl. Datum: 08.09.2000		Zeichnungs-Nr.: Z068 - Version 7.1		Änderung: 05.12.2000 Zumbirk	
Halle: Feld:		gesehen:		Inv.-Nr.:					



- T1 - Thermofühler am Motor
- Q1 - Hauptschalter
- F1 - Sicherung
- K1 - Schütz für Heben
- K2 - Schütz für Senken
- K3 - Schütz für Euro-Stop
- S1-S1.1 - Schütz für Mitte
- S2 - Schütz für Mitte Reigel
- S3-S3.3 - Schütz für oben
- S4 - Schütz für oben Riegel
- S5-S5.1-S5.2 Türschalter Korb
- S6 Endschalter Mitte
- S7 - Endschalter oben
- S8 - Endschalter unten
- S9 - Wahlschalter Ebene I oder II
- S10 - Euro-Stop
- X1 Klemmleiste Steuerkasten
- X2 - Klemmleiste Endschalter Säule
- X3 - Klemmleiste Endschalter Säule/korb
- X4 - Klemmleiste Endschalter Korb
- X5 - Klemmleiste Endschalter Durchfallschutz Mitte
- X6 - Klemmleiste Türöffneranlage Fallschutz Mitte
- X5.1 - Klemmleiste Endschalter Durchfallschutz oben
- X7.1 - Klemmleiste Türöffneranlage allschutz oben
- X6.1 - Klemmleiste Türöffner oben
- Y1 - Türöffner Mitte
- Y2 - Türöffner oben

4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
Klemmenplan II Reifenheber für nur zwei Ebenen			Reifenheber Consul GmbH Halver Halle: Feld:	Entwurf: Wegerhoff gezeichnet: Zumbirk gesehen:	Zech.-Anz. Bl. Datum: 08.09.2000	Zeichnungs-Nr.: Z068 - Version 7.2	Änderung: 28.05.2001 Zumbirk	in. Nr.:	

Labels



**Authorised access
only!**

Operating note

Tyre and small parts lifting unit

Z068

LOADING CAPACITY: 500 KG

Do NOT:

- Allow loads to project outside the basket
- Allow anybody to ride on the load support unit
- climb up onto the load or the load support unit
- stand in the operating area of the lifting device during raising or lowering

Important:

The lifting unit is fitted with a safety device which prevents the platform being raised from its lower end position if the supporting nut is worn.

In the event of any problems, the unit must only be repaired by suitably qualified personal. Only use original spare parts.

SERVICING INFORMATION:

Sevicing	DIN-Designation:	Lubrication:
weekly*	Machine viscosity 220	Supporting nut, safety nut in cariage spindle

- If a permaent lubrication device is fitted, servicing must be carried out every six months

Next prescibed
Check is due:

Test seal

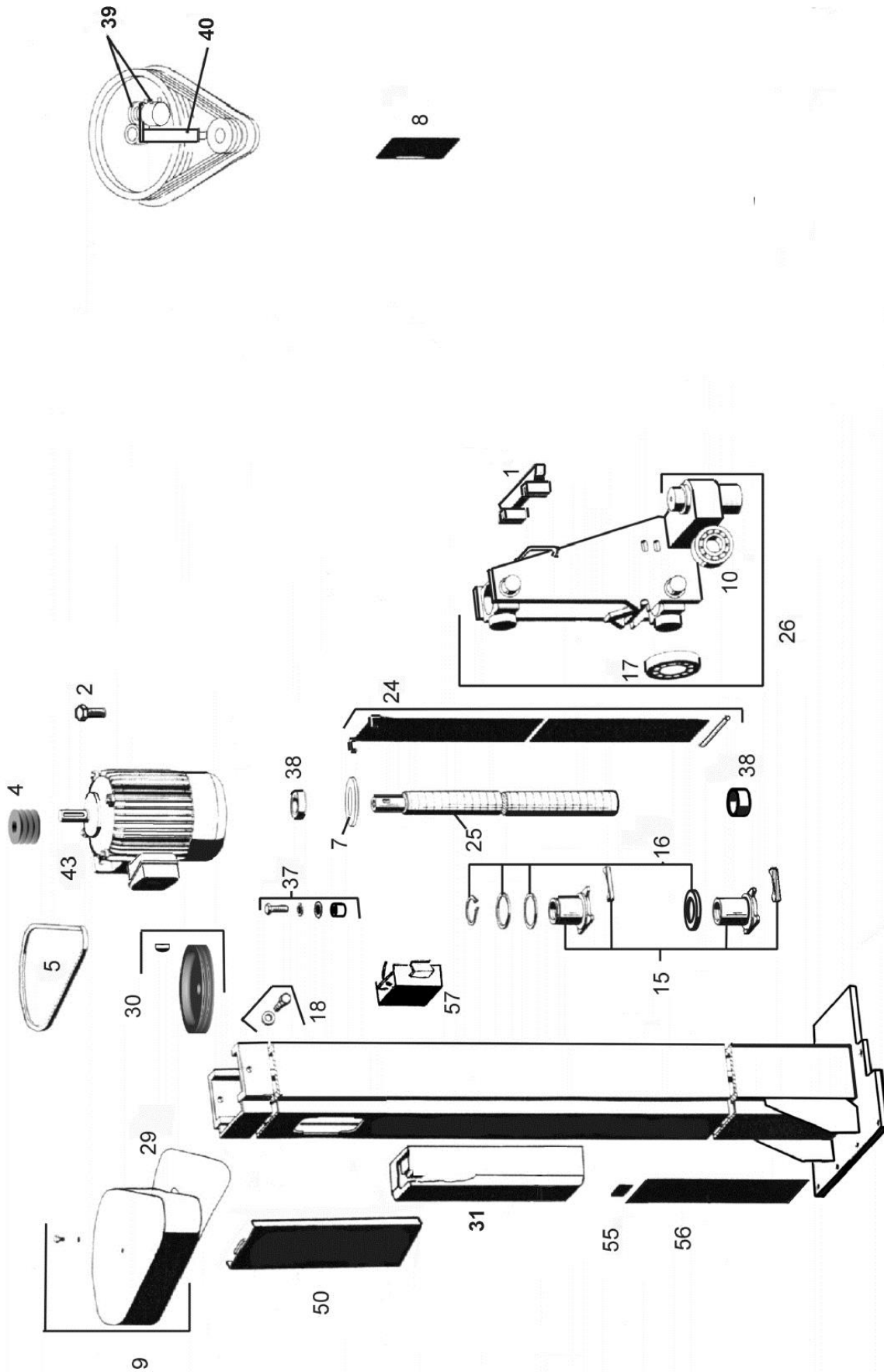
Max. charge 500 kg

Passenger transport forbidden!

No load over dimensions of basket!

Platform only used by
authorised persons!

Diagram of spare parts



Spare parts list Z068

No.:	Consul-No.:	Description:
2	358333	Safety hexagonal screw
4	423178	Drive belt disc, small (motor)
5	338046	Drive belts (3 pcs.)
7	161315	Ring (Spindle on top)
8	199703	Cover plate (plastic)
9	337758	Drive belt cover, black
10	246330	Driving roller (4 pcs.)
15	358382	Lifting nuts complete (1 set for 1 column)
16	358390	Lifting nuts accessories
17	254557	Guide rollers (2 pcs.) lifting truck
18	259457	Close-tolerance bolt complete. (1 set = 2 pcs.)
24	423459 423764 424143 424184 424200	Tightening strap with bow and fitting pin 3000 mm stroke Tightening strap with bow and fitting pin 3500 mm stroke Tightening strap with bow and fitting pin 4000 mm stroke Tightening strap with bow and fitting pin 4500 mm stroke Tightening strap with bow and fitting pin 5000 mm stroke
25	364141 421842 421859 421867 421875	Lifting spindle 3000 mm Stroke Lifting spindle 3500 mm Stroke Lifting spindle 4000 mm Stroke Lifting spindle 4500 mm Stroke Lifting spindle 5000 mm Stroke
26	430504	Lifting truck complete
29	342550	Motor support plate operating side
30	339572	Drive belt disc, large (3 grooves)
31	374934 387092	Control unit complete for one level Control unit complete for two levels
37	333872	Spindle fitting
38	358457	Spindle bearing top and bottom, complete
43	386524	Three-phase Motor with brake for Z130
	429183	Three-phase Motor without cable
	386581	Safety position switch for railing
	364232	Limit switch basket doors
	280404	Spindle oiler
	294603	Spindle oil

10/2006

Certificate



Certificate of conformity with the following European Directives

Registered No.:
44 799 09 377995

Machinery Directive 2006/42/EC

Reference of applicant	Date of application	File reference	Test report No.	Date of issue
Herr Nippel	16.11.2009	2.4-499/00	09 799 377995-008	18.12.2009

This is to certify that the following products comply to the essential requirements (Annex I) of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Hoist for the transport of tyres (Reifenheber)

Type designation: Z068

Applicant: Consul Werkstattausrüstung GmbH, Daimlerstraße 1
58553 Halver

Standard(s): EN 1493+A1:2008 (informativ), DIN EN 12158-1:2001 (informativ)

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
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D-45141 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

The CE marking may be affixed on the product if all relevant and effective Directives are complied with.