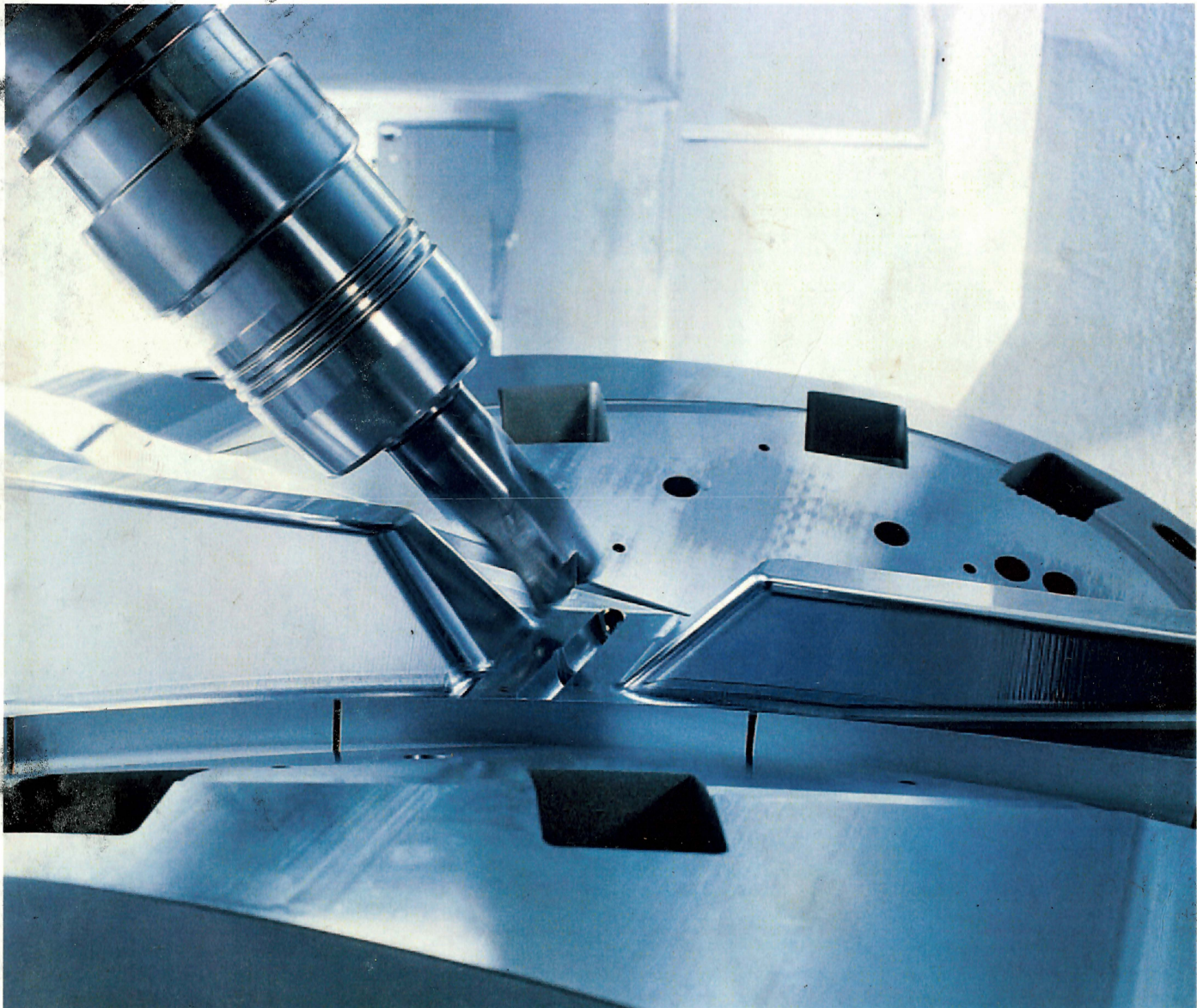


DMU 50
SIEMENS 840D

TECHNICS >> MECHANICS

Manual on maintenance and service works.

Only for service people of the manufacturer and for qualified staff.



DECKEL MAHO SEEBACH GMBH

Neue Straße 61, D-99846 Seebach
Tel. +49 [0] 3692981 0, Fax +49 [0] 3692881 2408

DMG

HISTORY

Version DMU 50-si-TM-V4526-EN-V2

The publisher retains all rights, also the right to reprint, duplicate parts of the present manual and of the translation.

Without the written permission of the publisher, no part of the manual may be reproduced or may be copied in any form with the aid of electronic duplication systems, not even for instruction and training purposes.

The language acquisition of the manufacturer (German) prevails for the technical content.

Issue:V4526-V2

Ident no.:

© 2004 DECKEL MAHO Seebach GmbH

CONTENTS

General information

1

Safety instructions

2

Drawings of mech. assembly groups

3

Wiring diagrams feed drive diagram

4

Wiring diagrams and unit lists of
lubrication system/cooling

5

Wiring diagrams and unit lists of
hydraulics

6

Wiring diagrams and unit lists of
pneumatics

7

Wiring diagrams of coolant lubricant

8

Wear parts lists

9

Inform. concerning third party docum.

10

Special versions

11

12

COPYRIGHT

This document is intended for the operating, maintenance and assembly staff. It is not admissible to pass on or to duplicate this document partly or in whole, to use or to communicate its contents. Exceptions must be granted expressly. DECKEL MAHO Seebach reserve all rights for a possible patent grant or a possible pattern registration.

Non-compliance obliges to compensation for damage and can have penal consequences.

Contents

1 General information

1.1	Basic information	1-3
1.1.1	Prerequisites	1-3
1.1.2	Protection of the environment and ground water	1-3
1.1.3	Company responsibility	1-3
1.1.4	Qualification of personnel	1-4
1.1.5	Maintenance, repair	1-4
1.2	Documentation scope	1-5
1.3	Technical/mechanical documentation	1-6
1.3.1	General	1-6
1.3.2	Contents	1-6
1.3.3	Symbols	1-7
1.4	Warranty	1-8
1.5	Warranty exclusion	1-8
1.6	Anti-virus program	1-8
1.7	Machine collision	1-9
1.7.1	Machine during the warranty period	1-9
1.7.2	Behaviour in the event of a collision	1-9
1.8	Declaration of conformity	1-10
1.9	Directives, standards	1-10
1.9.1	EC Directives	1-10
1.9.2	EN Standards	1-10

2	Safety instructions	
2.1	General Safety Instructions	2-3
2.1.1	Hazards	2-3
2.1.2	Machine status	2-3
2.1.3	Personnel	2-4
2.1.4	Noise protection	2-6
2.2	General information about health and safety at work	2-6
2.2.1	Machine safety area	2-6
2.2.2	Accessible machining compartment	2-6
2.3	Safety devices	2-7
2.3.1	General	2-7
2.3.2	Cabin	2-7
2.3.3	Emergency Stop button	2-8
2.3.4	SMARTkey® (operating mode selection)	2-8
2.3.5	Agreement key	2-8
2.3.6	Speed checks	2-9
2.3.7	Workpiece clamping	2-9
2.4	Workpiece machining	2-9
2.5	Hazardous substances	2-10
2.5.1	Explosive / flammable substances	2-10
2.5.2	Emissions	2-10
2.5.3	Working with magnesium	2-11
2.5.4	Coolant lubricants not mixable with water	2-11
2.6	Fire protection	2-12
2.6.1	Fire extinguishing system	2-12
2.7	Media supply	2-13
2.7.1	Hydraulic group	2-13
2.7.2	Coolant lubricant system	2-13
2.7.3	Chip disposal / Chip conveyor	2-13
2.8	Tools and tool change	2-14
2.8.1	Tools	2-14
2.8.2	Manual tool change	2-14
2.8.3	Automatic tool change	2-14
2.9	Operation	2-15
2.10	Operating modes (OM)	2-16
2.10.1	Operating mode 2	2-17
2.10.2	Operating mode 3	2-18
2.10.3	Operating mode 4	2-19
2.10.4	Underlying directives and standards	2-20
2.11	Maintenance and service	2-21
2.11.1	Vertical or angled axes	2-22
2.12	Transport and installation	2-22
2.13	Behaviour in dangerous situations and in case of accidents	2-23
2.13.1	Behaviour in dangerous situations	2-23

3	Drawings and unit lists of mechanical assembly groups	
4	Wiring diagrams feed drive diagram	
4.1	Wiring diagrams feed drive (with measuring system)	4-3
4.2	Wiring diagrams feed drive (without measuring system)	4-5
5	Connection diagrams and equipment lists - Lubrication/cooling	
5.1	Cooling/lubrication 2629114	5-3
5.2	Central lubrication 2644479	5-15
5.3	Cooling 2629110	5-24
6	Wiring diagrams and unit lists of hydraulics	
6.1	Hydraulik plan 2628969	6-3
7	Wiring diagrams and equipment lists - Pneumatics	
7.1	Pneumatics 2644481	7-3
7.2	Pneumatics 18 000 rpm 2646417	7-21
9	Wear parts lists	
10	Inform. concerning third party documentation	
12	Special versions	

1

1	General information	1-3
1.1	Basic information	1-3
1.1.1	Prerequisites	1-3
1.1.2	Protection of the environment and ground water	1-3
1.1.3	Company responsibility	1-3
1.1.4	Qualification of personnel	1-4
1.1.5	Maintenance, repair	1-4
1.2	Documentation scope	1-5
1.3	Technical/mechanical documentation	1-6
1.3.1	General	1-6
1.3.2	Contents	1-6
1.3.3	Symbols	1-7
1.4	Warranty	1-8
1.5	Warranty exclusion	1-8
1.6	Anti-virus program	1-8
1.7	Machine collision	1-9
1.7.1	Machine during the warranty period	1-9
1.7.2	Behaviour in the event of a collision	1-9
1.8	Declaration of conformity	1-10
1.9	Directives, standards	1-10
1.9.1	EC Directives	1-10
1.9.2	EN Standards	1-10

1 General information

1.1 Basic information

The machines by the DECKEL MAHO Gildemeister group are built state-of-the-art in accordance with the EC machine directives 2006/42/EC and are safe to operate.

The following are prerequisites for perfect and safe operation of this machine:

- correct transport,
- correct installation and commissioning,
- careful operation, maintenance and repair.

1.1.1 Prerequisites

This machine is a sturdy and high-performance yet technically demanding machine requiring careful handling.

For this reason, ensure that the machine is only operated by trained personnel.

The required knowledge can be acquired during special training courses. In addition, the user must know the technical basics of chip removal (e.g. cutting materials, materials, cutting values, cooling, etc.). Basics in handling the CNC technology at the machine and control system must also be known.

The operating personnel must have read and understood these operating instructions, especially the **chapter Safety Information** prior to starting work on the machine.

1.1.2 Protection of the environment and ground water

The machine described here is an HBV system (system for the usage of water polluting substances) in accordance with § 19g Wasserhaushaltsgesetz (German law on water resources).

During operation, decommissioning or disassembly of the machine or parts thereof, the requirements of the **Water Management Act (WHG)** must be observed. For detailed information refer to the regulations pertaining to systems used to handle water endangering substances (VAWS) at the respective installation sites.

1.1.3 Company responsibility

A determination must be made within the company as to who is responsible for the machine (owner/user) and who is allowed to work on or with it (operator).

Clearly define the responsibilities of the personnel with regard to the transport, installation, make-ready, setup, operation, care, maintenance and repair. Check to ensure compliance.

Duties of the owner/user as per regulation on operational safety, §4 and health and safety standards, § 4 in Germany and according to the European directives 89/391/EC and 89/655/EC

The owner must

- inform himself on the applicable and valid health and safety regulations and observe them.
- carry out a risk evaluation on the workplace on the machine with regard to the workpieces to be machined.
- determine the risks arising from the specific workpiece machining processes.
- take additional safety measures where applicable.
- draw up operating instructions giving clear regulations for machine operation.

1.1.4 Qualification of personnel

Only allow appropriately qualified and authorised personnel to work on this machine.

The training can take place:

- at one of our DMG training centres,
- through advanced vocational training institutes,
- in-house.

1.1.5 Maintenance, repair

Ensure that the maintenance work is only performed in accordance with the specifications in the operating manual.

Ensure that the repair work is only performed by **qualified persons specially trained** for the respective area of expertise.



NOTE! Observe all relevant safety information.

Any liability of the manufacturer is excluded:

- in the event the machine is used other than for the intended purpose.
- if the machine is operated when it is not in technically perfect condition.
- when malfunctions which can impair the safety are not rectified **prior to commissioning/start-up** of the machine.
- In any **modification, bypassing or deactivating** of devices on the machine serving for trouble-free functioning, unlimited utilization and for active and passive safety.



CAUTION! Impending danger exists in the event that the specifications in the operating instructions and all relevant safety information are not observed. Risk of injuries and machine damage. Observe all relevant safety information.

1.2 Documentation scope

The machine documentation consists of the following components:

OPERATING INSTRUCTIONS

The operating instructions contain all information required to operate the machine, the safety information and the intended use of our product.

TECHNICS >> PROGRAMMING

These instructions contain information concerning the operation and programming of the control system.

TECHNICS >> ELECTRICITY

This document contains the electrical diagrams of the system, as well as parts lists and site plans.

TECHNICS >> MECHANICS

This document contains the fluid plans for the hydraulics, pneumatics, central lubrication and coolant lubricant system, as well as parts lists.

The spare parts drawings of the main components of the system, as well as parts lists.

TECHNICS >> EXTERNAL MODULES

Documents regarding the third-party components used in your machine.

1.3 Technical/mechanical documentation

1.3.1 General

The technical/mechanical documentation is intended to allow localising electrical and/or electronic errors, identifying and ordering spare parts to be able to carry out repair work properly.



NOTE! In addition to the technical/mechanical documentation also observe:

- the binding regulations pertaining to accident prevention and environmental protection valid in the country of destination and at the application site.
- the approved rules for safe and correct working methods.

1.3.2 Contents

This technical/mechanical documentation contains:

- technical information about the mechanical spare parts order.
- the description of every mechanical assembly group and the fluid documentation.



NOTE! If you require further information or face problems which are not dealt with in sufficient detail in the operating instructions, please contact your DMG agency.

1.3.3 Symbols

Note



This symbol refers to texts providing application information and useful information concerning optimum handling and utilisation of the machine.

Caution



Symbol and words of warning are used:

- to identify a low risk hazard, which may result in minor or moderate bodily injuries or property damage if it is not avoided.

Warning



Symbol and words of warning are used:

- to identify a moderate risk hazard, which may result in death or serious bodily injuries, if it is not avoided.

Danger



Symbol and words of warning are used:

- to identify a high risk hazard, which will result in immediate death or serious bodily injuries, if it is not avoided.

1.4 Warranty

The Gildemeister Group grants the legal warranty after commissioning has been completed by the DMG customer service fitter.

Please refer to the purchase agreement of your machine for all further details and the agreed warranty periods.

1.5 Warranty exclusion

DMG will assume neither liability nor warranty, if

- the operating and programming instructions, the design documents, transport and installation instructions are not observed.
- the machine including peripheral equipment is not properly serviced and maintained/repaired.
- all of the maintenance work is not performed according to the maintenance instructions and documented in the logbook.
- the safety devices have been tampered with.
- the seals on the terminals on the machine's operating hours counter are damaged.
- the machine including the peripheral equipment is operated incorrectly.
- any technical or functional modifications are made which are not authorised by the manufacturer.
- the access rights for the set-up users are changed, causing the access for the DMG service fitters to be denied.

1.6 Anti-virus program

If a virus scanner is installed by the customer, it must only be started when the machine is at standstill.

DMG is not liable for the content of faulty hard drives, resulting from the installation of third-party software, updates or additional user software.



NOTE! If service missions by DMG are required after these types of modifications to programs or data, the service costs incurred will be invoiced.

1.7 Machine collision

1.7.1 Machine during the warranty period



In the event of a machine collision during the warranty period, contact the responsible DMG service immediately.

NOTE! Nonobservance will lead to negative effects on the warranty!

1.7.2 Behaviour in the event of a collision

In the event of a collision, do not make any changes to the machine and/or actuate any keys - **except for EMERGENCY STOP** -.

Save the following data:



NOTE! The saving/back-up process is described in the operating instructions for the control system.

- Save the NC program:
 - the called-up program,
 - the sub-routines,
- the tool data,
- the zero offsets,
- if necessary, the tool administration,
- if necessary, the parameter data,
- the logbook data as a file.

Additionally required information:

- Digital photos of
 - the complete screen,
 - the machine,
 - the current collision point,
 - the machining compartment,
 - the transfer position of the tool magazine (if available),
 - the pallet changer (if available).

Data transmission

Send the above listed data and information to DMG service.



NOTE! If net service is available, data back-up (**except for digital photos**) can also take place via the net service.

1.8 Declaration of conformity

In the event that the safety information is not observed, the conformity declaration supplied with the machine, according to the EC Machine Directive 2006/42/EC, and the CE sign attached to the machine become invalid.



NOTE! Please refer to the folder spine of this operating manual for the precise machine designation, the machine type and the machine serial number.

1.9 Directives, standards

The following directives and standards apply to this machine:

1.9.1 EC Directives

EC Machine Directive 2006/42/EC in its current amended version.

EC EMC Directive 2004/108/EC in its current amended version.

EC Pressure Equipment Directive 97/23/EC in its current amended version.

1.9.2 EN Standards

EN 12100-1.

EN 12100-2.

EN 60204-1.

respective type C standard, e.g. EN 12415, EN 12417.

2

2	Safety instructions	2-3
2.1	General Safety Instructions	2-3
2.1.1	Hazards	2-3
2.1.2	Machine status	2-3
2.1.3	Personnel	2-4
2.1.4	Noise protection	2-6
2.2	General information about health and safety at work	2-6
2.2.1	Machine safety area	2-6
2.2.2	Accessible machining compartment	2-6
2.3	Safety devices	2-7
2.3.1	General	2-7
2.3.2	Cabin	2-7
2.3.3	Emergency Stop button	2-8
2.3.4	SMARTkey® (operating mode selection)	2-8
2.3.5	Agreement key	2-8
2.3.6	Speed checks	2-9
2.3.7	Workpiece clamping	2-9
2.4	Workpiece machining	2-9
2.5	Hazardous substances	2-10
2.5.1	Explosive / flammable substances	2-10
2.5.2	Emissions	2-10
2.5.3	Working with magnesium	2-11
2.5.4	Coolant lubricants not mixable with water	2-11

2.6	Fire protection.	2-12
2.6.1	Fire extinguishing system	2-12
2.7	Media supply	2-13
2.7.1	Hydraulic group	2-13
2.7.2	Coolant lubricant system	2-13
2.7.3	Chip disposal / Chip conveyor	2-13
2.8	Tools and tool change	2-14
2.8.1	Tools	2-14
2.8.2	Manual tool change	2-14
2.8.3	Automatic tool change	2-14
2.9	Operation	2-15
2.10	Operating modes (OM).	2-16
2.10.1	Operating mode 2	2-17
2.10.2	Operating mode 3	2-18
2.10.3	Operating mode 4	2-19
2.10.4	Underlying directives and standards	2-20
2.11	Maintenance and service	2-21
2.11.1	Vertical or angled axes	2-22
2.12	Transport and installation	2-22
2.13	Behaviour in dangerous situations and in case of accidents	2-23
2.13.1	Behaviour in dangerous situations.	2-23

2 Safety instructions

2.1 General Safety Instructions

2.1.1 Hazards

Danger may emanate from the machine when it is used improperly, not in conformity with its intended purpose or operated and/or serviced by untrained persons. This may result in **danger** to

- health and life.
- the machine and other user assets.
- the efficient work of the machine.



NOTE! The owner/user must ensure that only respectively qualified and authorised personnel is working on this machine.

Check at regular intervals, to ensure that the personnel is working in a safety and danger conscious manner. In doing so, observe the operating instructions and safety information.

2.1.2 Machine status

2.1.2.1 Technical status

Requirements placed on the technical status to ensure safe/reliable and perfect operation of the machine:

- Never perform any unauthorised conversions, manipulations, changes to the machine.
- Perform maintenance work on the machine at regular intervals.
- Ensure that the safety devices are functioning.

Ensure free access to the machine and peripheral equipment.

2.1.2.2 Machine operation

Prior to switching on the machine, check the filling levels and top up, if necessary.

Check the machine for existing leaks and eliminate the cause.

Ensure that the working place at the machine is clean and clearly arranged.



NOTE! Exercise caution when removing the chips, only use chip hook and hand broom.

Never throw waste into the coolant lubricant or chip disposal.

After longer shut-down periods (more than 2 days) set additional lubricating pulses.

2.1.2.3 Intended use

The operator and owner/user must ensure that the machine is only used for its intended purpose.

Intended use means:

- Chip removal from workpieces made of wood, metal or plastic using tools and devices suitable for this purpose.
- The handling of workpieces and materials to be machined in connection with the supplied peripheral equipment.
- Execution of the described functions and processes according to the operating instructions.
- Applying the information obtained in the DMG training courses.
- Using the machine with the supplied CNC parameters, PLC program and hardware configuration.
- The employment of qualified and authorised personnel.
- Observing the safety information.

2.1.3 Personnel

2.1.3.1 Obligations of the owner/user

Keep the safety and danger information at/on the machine in legible condition.

Immediately replace safety and danger information signs that are damaged or have fallen off.

Ensure operator training at regular intervals.

Ensure that the relevant regulations concerning safety at work are observed.

Where required, obligate the operators to wear personal protection equipment.

Only use the additional equipment provided or authorised by the manufacturer.

Only use the spare and wear parts provided by the manufacturer.

Observe the maintenance intervals and work specified in the operating instructions.

2.1.3.2 Obligations of the operator

Wear appropriate clothing, e.g. in accordance with EN 510 and personal protection equipment, if required.

In the event that changes have occurred on this machine which impair the safety, the following measures must be undertaken:

- Immediately stop and secure the machine.
- Inform the supervisor.
- Have the malfunctions rectified immediately.

2.1.3.3 Health and safety at work

The following points must be observed when working on/with the machine:

- Avoid open long hair. Do not wear jewelry, including rings.
- Never wear loose clothing or accessories that can be caught by the machine (e.g. neck-ties, open belts).
- Never reach into the machine with your hands or auxiliary means while the machine is moving or clamping means and workpieces are rotating.
- Never program rotational speeds higher than the specified maximum speed of the clamping means and/or tools used.
- Never change or render the safety devices, e.g. safety position switches, locking devices and covers inoperative.
- Never paint over or remove labels, information signs, etc.
- Only allow authorised and instructed persons to operate the machine.
- Never process workpieces made of ceramic, magnesium and/or resin-bonded laminated wood.
- Never undertake program changes (software) to programmable control systems.
- Never change the DMG manufacturer cycles and/or the standard cycles of the control system manufacturer.
- Never route electric cables that produce strong electromagnetic radiation in the direct proximity of the machine.
- Never use devices that produce strong magnetic radiation within a radius of 2 m from the machine (e.g. electric welders).
- Never use mobile phones, as they considerably impair the machine operator's concentration (e.g. increased risk of collision in the machine during set-up).
- Never operate the machine when the safety window is damaged.
- Do not enter the machining compartment during the machining process.
- Never take medications, drugs, alcoholic beverages or other intoxicating substances which impair the concentration or reaction time.
- Never undertake any welding work on the machine.
- Never work without wearing safety shoes.
- Never operate the machine in an explosive environment.

2.1.4 Noise protection

The machine is so designed that the noise emission figure at the workplace does not exceed the figure stated in the technical data. Cutting noise could cause the quoted value being exceeded under unfavourable conditions. In these cases, lower the noise emission values by changing the chip removal, tool or clamping conditions.



Always inform the supervisor and safety representative of your company when the noise emission value is exceeded.

NOTE! Wear hearing protection in the event of extreme noise development.

2.2 General information about health and safety at work

2.2.1 Machine safety area

Keep the safety area around the machine clear.

Avoid trip hazards and points of danger.



CAUTION! Coolant lubricant and cutting oil in the machine surroundings. Risk of injury due to slipping.

- Avoid using excessive coolant lubricant and grease.
- Use suitable floor covering, e.g. furnish the work place with slip-resistant floor grids or rubber coating.
- Wear anti-slip safety shoes.
- Clean the machine surroundings and safety area at regular intervals.

2.2.2 Accessible machining compartment

Ensure that anti-slip steps (floor grating) are provided and used.

Remove any sharp-edged tools prior to starting work or move them into a position noncritical for personnel.

It is prohibited to be within the traversing range of the machining spindle and machining table during set-up mode.

Ensure that the door of the machining compartment is not unintentionally closed when a person is in the machining compartment.

Always check the function of the EMERGENCY unlocking device of the machining compartment door.

2.3 Safety devices

2.3.1 General

This machine has the safety features described in the following. Furthermore, additional safety measures are integrated as part of the machine and control system according to the specifications of EC Machine Directive 2006/42/EC.

Always return the safety devices/guards to their safe status following repair work.

Include the safety devices/guards in the routine maintenance.

Ensure that all machining compartment doors, doors and covers are closed prior to commissioning/starting up the machine and are not opened during operation.

Never render installed safety devices/guards inoperative.

2.3.2 Cabin

The machine is covered on all sides. Access to compartments within the framework of setting and maintenance work, in which dangerous movements are taking place, are electrically monitored.

The machining compartment door or flaps can only be opened using special tools.

2.3.2.1 Machining compartment door

The machining compartment poses special hazards due to the movements taking place in this area. It is fitted with casings on all sides. Access is only possible through a locked machining compartment door. The movements can only be started when the machining compartment door is closed or by means of the agreement key during set-up mode.



CAUTION! Rendering the safety devices/guards inoperative. Risk of injury due to moving machine parts. Ensure that the machining compartment doors are not bypassed.

When working with open machining compartment door, **without direct protection against accidental contact** of the rotating tool/workpiece, additional protective measures are required.

The cladding and the machining compartment doors with the safety window are designed such, that clamping means or tools ejected as a result of breakage or collision are held back.



NOTE! However, this only applies if admissible speeds and the size (diameter) of the tools/clamping means are not exceeded.



WARNING! Breakage or collision in the event of inadmissible sizes or speeds of clamping means or tools. Risk of injury, which may result in death or serious bodily injuries, due to ejecting clamping means or tools. Only operate the machine according to the intended use and admissible operating parameters.

Following a collision, always replace damaged parts. This applies, in particular to the safety window of the machining compartment door and its frame.

It is only possible to open the machining compartment door when the spindles and advance/feed drives are standing still.

2.3.2.2 Electrical switch cabinet doors

Ensure that the electrical switch cabinet doors are closed.

Operation of the machine when the electrical switch cabinet doors are open leads to soiling of the units in the electrical switch cabinet.



NOTE! Assembly element failures due to soiling are not covered by the warranty.

2.3.3 Emergency Stop button

The EMERGENCY STOP buttons are identified boldly in **red-yellow** and must be actuated in the event of danger.

Function when the button is actuated:

- All movements will be stopped.
- Drives that could produce a hazard are electrically isolated.

Once the dangerous situation has been overcome, rearm the EMERGENCY STOP button.

2.3.4 SMARTkey® (operating mode selection)

Access to certain operating modes or settings is only possible using a SMARTkey® or password.

The owner/user must provide appropriate operating instructions to ensure that the SMARTkey® is only used by authorised users.

2.3.5 Agreement key

When the machining compartment door is open, movements can only be started in manual mode, when the agreement key is actuated by one hand and a function key by the other hand.

The movement will be stopped if the button or key is released.

2.3.6 Speed checks

It is only allowed to use clamping features that are designed for the maximum speed of the machine.

The maximum machine speeds are listed in the technical data contained in the operating instructions.

2.3.7 Workpiece clamping

Check the clamping and unclamping path of the tool clamp.

2.4 Workpiece machining

Check suitability of the existing clamping means.

Following collisions during which the clamping means were damaged, always consult the respective clamping means manufacturer concerning the continued use of the clamping means.

Each time the clamping means is changed, reset the monitoring function (parameters) for the clamping stroke and clamping pressure.

Only actuate the manual clamping means using the original clamping means spanner. Always remove the clamping means spanner from the clamping means **prior to spindle start**.

Adhere to the specifications to set the clamping pressure and to monitor the path.

Check the function of the power clamping means at regular intervals using a clamping force measuring device.

Insert the workpieces correctly and ensure that the system is clean.



CAUTION! Non-secured or insufficiently secured workpieces during clamping or unclamping. Risk of injury due to crushing. Always secure the workpiece against falling prior to clamping and unclamping.



WARNING! Incorrectly clamped workpieces. Risk of injury, which may result in death or serious bodily injuries, due to ejection of the workpiece. Clamp the workpiece correctly.



WARNING! Breakage or collision in the event of inadmissible sizes or speeds. Risk of injury, which may result in death or serious bodily injuries, due to ejection of the workpiece. Only operate the machine according to the intended use and admissible operating parameters.

Remove the workpieces from the clamping means prior to switching off the machine.

Take the machining compartment limitations into account when equipping and swivelling the turret.

2.5 Hazardous substances

Hazardous substances include oils, coolant lubricants and antifreeze agents. These agents pose a possible hazard to health and environment due to their additives.

Selection and use are on sole risk of the owner/user.

When these agents are used or prepared, dangerous substances may be released (e.g. through vapour).

The operating instructions on the handling of these agents, prepared by the owner/user, must contain:

- Agent designation.
- Designation of hazards to man and environment.
- Protective measures and behaviour rules, e.g.
 - wearing protective gloves made of resistant plastic,
 - avoiding contact with the skin and eyes,
 - not breathing in the vapour and mist,
 - fire, naked flame and smoking are prohibited.
- How to behave in the event of danger, First Aid.
- Proper disposal.

2.5.1 Explosive / flammable substances

The dust of flammable substances is explosive in a sufficient concentration and if the particle size is small enough.

Typical explosive/flammable substances are:

- organic, natural dust from coal or wood,
- inorganic dust from magnesium, aluminium or zinc.

2.5.2 Emissions

The machines creating hazardous materials and substances during the machining process must be connected to suitable oil/emulsion mist separators. For this purpose, use the opening in the cladding of the machining compartment.

When connected to a machine-specific or central oil/emulsion mist separator, this opening must be equipped with an appropriate baffle plate to ensure the extraction of the materials and substances created.

When the machine is in operation, ensure that the extraction systems, required for the process, are switched on.

2.5.3 Working with magnesium

When machining materials containing magnesium (aluminium / magnesium alloys), spontaneously combustible or explosive particles (powder, dust, chips) can be released.



WARNING! Explosive substances!

Risk of injury, which may result in death or serious bodily injuries, due to fire, explosion or deflagration.

- Duty to give notice to the responsible Employers' Liability Insurance and to the Fire Prevention Authority.
- Take suitable protective measures and establish appropriate behavioural rules for the handling of magnesium.
- Train the employees at regular intervals.
- Provide appropriate extraction systems and explosion relief openings.
- Provide a suitable fire extinguishing system.



Do not extinguish with water! Water and water-containing fire extinguishing agents will produce dangerous reactions with burning magnesium (explosive gas). In the event of a magnesium fire, use only approved fire extinguishing agents to extinguish the fire. It is not allowed to use water or CO₂.

2.5.4 Coolant lubricants not mixable with water



WARNING! Explosive substances!

In the event of using flammable oils, a potentially explosive coolant lubricant-vapour-aerosol-air mixture may be produced in the machining compartment of the machine.

Risk of injury, which may result in death or serious bodily injuries, due to fire, explosion or deflagration.

- For safety reasons, the use of coolant lubricants not mixable with water (cutting oils) is not allowed without a specific fire extinguishing system.
- The fire extinguishing system must be active when machining with cutting oils.

2.6 Fire protection

2.6.1 Fire extinguishing system

The owner/user of the machine must enter into a service or maintenance agreement with the manufacturer of the fire extinguishing system (DIN VDE 0833-1, Directive 89/655/EC, BGR 134 Point 6.3).

If this agreement is not made, the conformity agreement of the machine becomes invalid 3 months following the inspection of the fire extinguishing system by its manufacturer.

The fire extinguishing agent is CO₂ (carbon dioxide). Other gases can also be used in certain circumstances.

Ensure that the rules concerning health protection and safety are observed.

In order to prevent unintentional triggering of the fire alarms, protect them from UV light sources.



PROHIBITED! Due to the sensitive sensors, never use mobile phones, radio equipment (walkie/talkie) or cameras with flashlight.

Always switch off the fire extinguishing system prior to starting any service, maintenance/repair and/or cleaning work in the machining compartment.

The owner/user of the machine must be appropriately trained by the manufacturer of the fire extinguishing system.

Rooms filled with extinguishing gas are only allowed to be entered again after airing and specific approval.

2.7 Media supply

2.7.1 Hydraulic group

Replace hydraulic lines in adequate time intervals.

Always depressurise the hydraulic unit prior to working on it.

Enter the replacement of the hydraulic lines in the machine logbook.

The pressure vessels are subject to the pressure vessel regulation or EC directives for pressure units.

Inspections at regular intervals are required by the owner/user of the machine.

2.7.2 Coolant lubricant system

Ensure that the coolant lubricant system is only filled with premixed coolant lubricant.

Change the coolant lubricant at regular intervals.

Observe all information in section "Hazardous substances".

Strictly avoid any contamination of the coolant lubricant through old oil, cigarette ends or other waste.

Never adjust the coolant lubricant nozzles while the machine is running.

2.7.3 Chip disposal / Chip conveyor

Avoid contact with the chips and coolant lubricant.

Use suitable tools for chip disposal, e.g. chip hook, brush, hand broom, industrial vacuum cleaner.

Operation of the chip conveyor is only permitted with the chip collector trough in place.

Never reach into the discharge channel of the chip conveyor.

Never climb into the chip conveyor.

Never remove the chips while the machine is running.



It is prohibited to clean with compressed air! Never clean the workpiece and the machine using compressed air. **Risk of injury** exists as a result of ejected chips, particularly for the eyes.



Prohibited! Using propeller tools for cleaning is prohibited.

2.8 Tools and tool change

2.8.1 Tools

Only use tools suitable for the machine.



CAUTION! Avoid sharp-edged tool blades. Risk of injury due to accidental contact with the tool blades. Never get close to a clamped tool. Always wear protective gloves.

Check the condition of the tools prior to starting work.

When using large tools, take the distance and the machining compartment limitations into account.

Never reach for a tool while the tool is still rotating.



Wear protective gloves! To avoid cutting injuries, always wear protective gloves.

2.8.2 Manual tool change

The tool must be moved free for the manual tool change.

Always perform the tool change yourself to avoid an operating error by a second person.

- Always keep a good grip on the tool when unclamping/releasing the tool clamping device in order to prevent the tool from falling.



CAUTION! Erratic movement with high pull-in force during the clamping process. Risk of injury due to crushing. Never reach between the tool dog flange and the spindle nose.

2.8.3 Automatic tool change



NOTE! Only insert the tools at the loading station of the tool magazine into the magazine positions provided for this purpose.

2.9 Operation

Adhere to the switch-on and switch-off procedures specified in the operating instructions for all work relating to the operation.

After switching on the machine, always check the function of the machining compartment monitoring unit.

Ensure that the safety information and instructions detailed in chapter **Operation** have been read and understood.

Check the machine prior to operation:

- Check to ensure perfect function of the safety devices/guards.
- Ensure that the operator knows the location of the **EMERGENCY STOP buttons**.
- Ensure that no one is in the working area. In addition, ensure that no persons are in areas not visible from the operating position.
- Check the machine for loose, damaged or worn parts.



NOTE! Damaged pipe and hose lines can lead to oil leaks. Damaged electric lines can lead to electric shock.

Strictly observe the proper sequence when switching the machine on and off, and when switching it on again after an interruption. Machine damage may result.

Ensure that the main switch is not switched off during the machining sequence as this will lead to machine damage.

Set the correct operating mode and secure by pulling off the SMARTkey®.

Never change the operating mode while the machining spindle is running. Changing the operating mode results in **Feed Stop** and **Spindle Stop**.

2.10 Operating modes (OM)



NOTE! The operating modes are selected using the SMARTkey®. This should only be given to authorized and especially trained personnel.

Load and unload the workpiece in the STANDARD OPERATING MODE.



NOTE! Protective gloves may only be worn when handling workpieces.

Operating mode 1: Normal mode (automatic mode)

Operating mode 2: Set-up mode (with agreement key)

The set-up mode is an operating mode in which the operator carries out adjustments for the following machining process.

Operating mode 3: Manual intervention under restricted conditions (with agreement key)

Machine operation under manual or limited numerical control with open separating protective devices of the working area.

- Part cycle with agreement key.

Operating mode 4: Process monitoring during production and/or extended manual intervention under restricted conditions (without agreement key)

Machine operation under manual or limited numerical control with open separating protective devices of the working area.

- Part cycle without agreement key.

This operating mode is a special operating mode.

2.10.1 Operating mode 2

Intended use:

This operating mode can only be used by appropriately qualified and authorized personnel that has been especially trained.

Laymen and semi-skilled persons can not have access to operating mode 2.

Once work is completed in operating mode 2, the STANDARD OPERATING MODE must be selected using the SMARTkey®.



NOTE! Prior to and during machining, always check if this work can also be performed when the machining compartment door is closed or in operating mode 1 or 2.



NOTE! The SMARTkey® must be pulled off and safeguarded by the person responsible for the use of the machine.

Take protective measures to ensure the safety and health of the operator.

The personal protection equipment must be determined by the safety representative of the owner/user, e.g. protective goggles, safety shoes, skin protection, hair protection, no protective gloves.



NOTE! The machine can not be operated unattended in the operating mode 2.

The spindle speed and advancing speeds are limited by DMG, taking the latest state of the art technology, the risks and safety criteria as well as the specifications of the relevant type C-EN standard into account.

In spite of these limitations, the operating mode 2 still poses a high safety risk for the authorized personnel, e.g. due to crushing, shearing, crashing, breaking through, retracting, winding, flying workpieces or liquids, vapors. The machine owner must appropriately train the personnel.

The owner/user is responsible to ensure that the measures listed in the safety information/instructions are carried out in order to reduce the inherent risks (persons and/or property damage).

2.10.2 Operating mode 3

Intended use:

This operating mode can only be used by appropriately qualified and authorized personnel that has been especially trained.

Laymen and semi-skilled persons can not have access to operating mode 3.

The owner/user must ensure through organisational measures that operating mode 3 is only used in special cases.

Its use can only be ordered by the person responsible for the use of the machine.

Once work is completed in operating mode 3, the STANDARD OPERATING MODE must be selected using the SMARTkey®.



NOTE! The SMARTkey® must be pulled off and safeguarded by the person responsible for the use of the machine. Unauthorised persons are not allowed to have access to operating mode 3.

Take protective measures to ensure the safety and health of the operator.

The personal protection equipment must be determined by the safety representative of the owner/user, e.g. protective goggles, safety shoes, skin protection, hair protection, no protective gloves.



NOTE! The machine can not be operated unattended in the operating mode 3.

When work is performed in operating mode 3, the operator must always have direct access to the EMERGENCY STOP button, so that he/she can immediately switch off the machine in the event of danger.



NOTE! Prior to and during machining, always check if this work can also be performed when the machining compartment door is closed or in operating mode 1 or 2.

The spindle speed and advancing speeds are limited by DMG, taking the latest state of the art technology, the risks and safety criteria as well as the specifications of the relevant type C-EN standard into account.

In spite of these limitations, an increased safety risk remains for the instructed qualified and authorised personnel in operating mode 3, e.g. crushing or shearing, bumping, piercing, being pulled in, wound-up, ejected parts or fluids, vapour. The machine owner must appropriately train the personnel.

The owner/user is responsible to ensure that the measures listed in the safety information/instructions are carried out in order to reduce the inherent risks (persons and/or property damage). In order to reduce the existing risks and to clarify any possibly necessary, additional protective measures, we recommend contacting the responsible, technical supervising official of the responsible Employers' Liability Insurance as well as DMG.

2.10.3 Operating mode 4

Special mode

This special operating mode can only be used by appropriately qualified and authorized personnel that has been especially trained.

Laymen and semi-skilled persons can not have access to the special operating mode.

The machine owner must ensure that this special operating mode is only used in special cases by taking organizational measures.

Its use can only be ordered by the person responsible for the use of the machine.

After completing the work in this special operating mode, select the NORMAL operating mode with the SMARTkey®.



NOTE! The SMARTkey® must be pulled off and safeguarded by the person responsible for the use of the machine. Unauthorized individuals must not have access to operating mode 4.

Take protective measures to ensure the safety and health of the operator.

The personal protection equipment must be determined by the safety representative of the owner/user, e.g. protective goggles, safety shoes, skin protection, hair protection, no protective gloves.



NOTE! The machine can not be operated unattended in the special operating mode.

When working in the special operating mode, the operator must always have the EMERGENCY STOP button ready to hand in order to switch off the machine immediately in case of danger.



NOTE! Before and during the application of this special operating mode, check if these operations can also be carried out with the machining compartment door closed or in the operating mode 1, 2 or 3.

The spindle speed and advancing speeds are limited by DMG, taking the latest state of the art technology, the risks and safety criteria as well as the specifications of the relevant type C-EN standard into account.

In spite of these limitations, the operating mode 4 still poses a high safety risk for the authorized personnel, e.g. due to crushing, shearing, crashing, breaking through, retracting, winding, flying workpieces or liquids, vapors. The employees must be appropriately informed by the owner/user of the machine.

The owner/user is responsible to ensure that the measures listed in the safety information/instructions are carried out in order to reduce the inherent risks (persons and/or property damage).

To reduce the existing risks and to clear any complementary protective measures that may possibly be needed, we recommend to contact the

responsible technical supervisory staff of the relevant professional association and DMG. The risk of injuries must be kept as low as possible.

Council directive 89/391/EEC on the introduction of measures to encourage improvements in the safety and health of workers at work and Council directive 89/655/EEC concerning the minimum safety and health requirements for the use of work equipment by workers at work must be followed.

The DMG Service can execute a customized reduction of the limit values for the spindle speed and feed rate specified by DECKEL MAHO. The requirements for this change must be defined by the persons responsible for the utilisation of the machine.

2.10.4 Underlying directives and standards

The following directives and standards apply to this machine:

- EC Machine directive 2006/42/EC
- EN 12100
- Type C standard: EN 12415 (lathes), EN 12417 (milling machines).

2.11 Maintenance and service



CAUTION! Automatic machine operation. Risk of injury through unintentional machine movements if all protection measures are not taken. Prior to performing any maintenance work, set the main switch to OFF and secure against switching on again by means of a padlock or barrier. Attach information sign to protect against switching on.



WARNING! Dangerous electric voltage!

Current carrying (live), uncovered components in the switch cabinet. Risk of injury, which may result in death or serious bodily injuries, due to electric shock.

- Never touch uncovered components in the switch cabinet.
- Isolate the mains supply line from the power, secure against switching on and attach appropriate danger sign/information.

Adhere to the switch-off procedures specified in the operating instructions for all work relating to maintenance and service.

Please contact the DMG Service or your nearest DMG branch if you have any questions concerning maintenance or in the event of machine malfunctions.

Restrict maintenance and care to appropriately qualified and authorised persons, observing the specifications in the operating instructions.

- Only use lint-free cloths for cleaning purposes.
- Use suitable, environmentally safe cleaning agents.



NOTE! Never use aggressive solvents, e.g. chlorinated hydrocarbons, acetone or similar agents. These will damage the plastic parts or seals (scrapers).

- Never clean the machine using compressed air, propeller tools or high pressure power washers (steam jet). Chips could get into the guide tracks, spindle bearings or turrets.
- Prior to cleaning the machine with water or other cleaning agents, cover/tape over all openings into which no fluid is permitted to ingress for safety and/or functional reasons. The electric motors and electric switch cabinets are at particular risk.
- Reopen all covered/taped over openings once the cleaning work has been completed.
- Reattach any removed cladding and/or protection devices/guards once the maintenance work has been completed.
- Once the maintenance work has been completed, check to ensure perfect function of the safety and protection devices/guards.



NOTE! Fire extinguishing systems (option) must be safely deactivated prior to starting any work in the machining compartment of the machine. Once the work has been completed, reactivate the fire extinguishing system.

2.11.1 Vertical or angled axes

No person may stand beneath a vertical or angled axis unless adequate security measures have been taken.



WARNING! Incorrectly or wrongly secured vertical or angled axes. Risk of injury, which may result in death or serious bodily injuries, due to unintentionally moving machine parts. Prior to working beneath these types of axes, ensure that they are brought into a safe position and adequately secured. Example: Build a substructure beneath the axis or secure by means of a suspension device.

2.12 Transport and installation

Adhere to the national specifications:

- the specific transport and installation instructions,
- chapters "Design, transport, installation" in the operating instructions.

2.13 Behaviour in dangerous situations and in case of accidents

2.13.1 Behaviour in dangerous situations

Actuate the EMERGENCY STOP button, when

- human life is in danger.
- Danger exists that the machine or the workpiece can be damaged.

In general, the following behavioural rules apply in the event of an accident or fire. They do not replace the required in-company regulations and operating instructions.

2.13.1.1 Behaviour in case of an accident

- 1 Undertake immediate measures at the accident site.
- 2 Report the accident:
 - Type of EMERGENCY.
 - Where did the accident take place?
 - What happened?
 - How many people are injured?
 - What type of injuries are involved?
 - Who is reporting the accident?
 - Wait and answer questions.
- 3 Perform First Aid.
- 4 Direct the rescue service.

The following information must be known in addition:

- Who is the first to administer aid?
- Where is the closest first aid kit?
- Where is the accident reporting place?
- What is the Emergency telephone number for first aid/accidents?
- In-company regulations and operating instructions.

2.13.1.2 Behaviour in case of fire



WARNING! Hot gases and open flames. Risk of injury, which may result in death or serious bodily injuries, due to explosion or fire. Only extinguish the fire or prevent it from spreading when this is possible without risk.



WARNING! Explosive substances!

Some parts of the machine contain hot oil. Risk of injury, which may result in death or serious bodily injuries, due to exploding oil when water is used as an extinguishing agent. Only fight fire in hydraulic units using carbon dioxide, foam or powder.



WARNING! Dangerous electric voltage!

The machine is connected to the electric operating network. Risk of injury, which may result in death or serious bodily injuries, due to electric shock when water is used as an extinguishing agent. Only fight fire in electrical systems using carbon dioxide (CO₂).

- 1 Undertake immediate measures.
- 2 Report fire:
 - Type of EMERGENCY.
 - Where is the fire?
 - What is on fire?
 - How many people are injured?
 - What type of injuries are involved?
 - Who is reporting the accident?
 - Wait and answer questions.
- 3 Perform First Aid.
- 4 Extinguish the fire.
- 5 Direct the fire brigade.

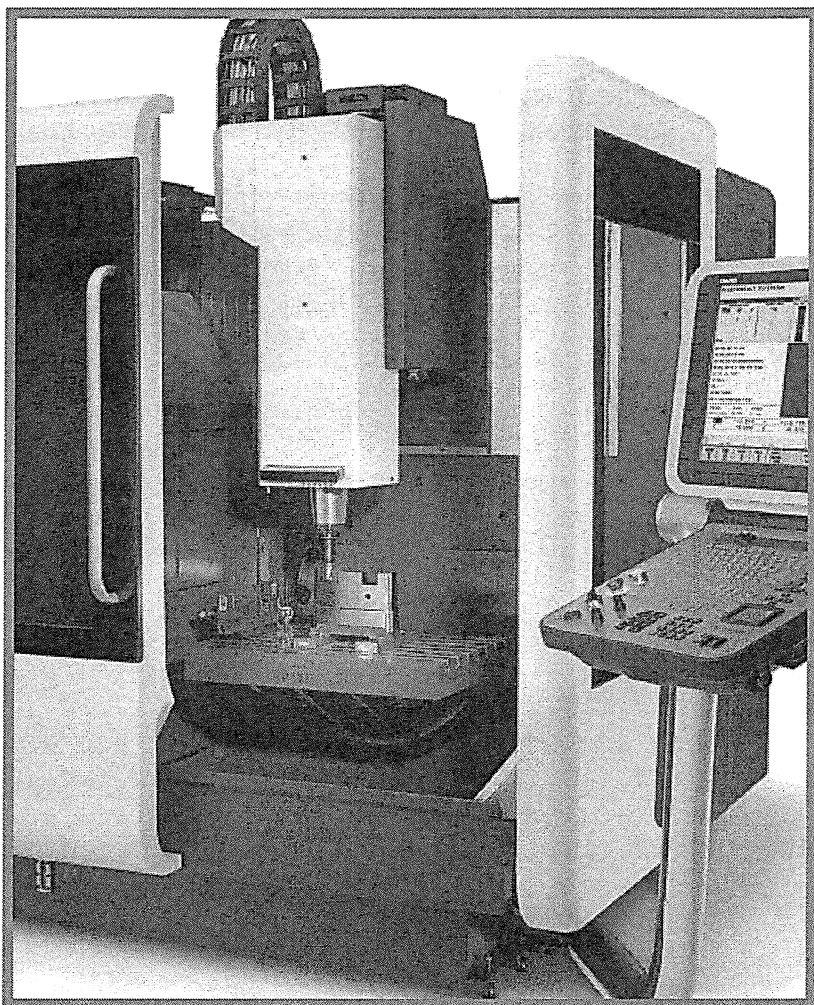
The following information must be known in addition:

- Where is the closest fire extinguisher and how is it used?
- Where is the closest fire alarm?
- Where is the closest telephone?
- What is the Emergency telephone number of the fire brigade?
- Which fire reporting and fire fighting measures must be observed?
- Who is the first to administer aid?
- Where is the closest first aid kit?
- Where is the accident reporting place?
- What is the Emergency telephone number for first aid/accidents?
- In-company regulations and operating instructions.

3

3	Drawings and unit lists of mechanical assembly groups	3-3
----------	--	------------

**3 Drawings and unit lists of mechanical
assembly groups**



DECKEL MAHO

Seebach GmbH



Catalogue de pieces
Catalogo de pezzi

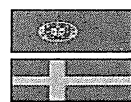


Onderdelen catalogus
Catálogo de piezas

TEILEKATALOG PARTS CATALOG

DMU 50

Serie: 4526



Catálogo de peças
Reservdelskatalog



Delekatalog
Katalog części



Katalog dílu

© Copyright: DECKEL MAHO Seebach GmbH
99846 Seebach
GERMANY

Ident-Nr10

Bestell-Nr.: - D 4526

Printed in Germany / Änderungen vorbehalten
Subject to changes

Dieser Teilekatalog darf - auch auszugsweise - nur mit ausdrücklicher Genehmigung des Herausgebers vervielfältigt oder Dritten zugänglich gemacht werden.

The reproduction or disclosure towards third parties of the Operator's Manual - completely or partially - is only permitted with the prior approval of the editor.

Verehrter Kunde!

Der vorliegende Teilekatalog beinhaltet die wesentlichen, serienbezogenen Maschinenbaugruppen bzw. Ersatzteile einer Standardmaschine. Darüber hinaus gehende kundenspezifische Details sind direkt beim DMG-Zentralservice zu erfragen.

Für die schnelle Abwicklung Ihrer Bestellung benötigen wir folgende Informationen:

- Maschinentyp und Maschinen-Nummer nach DECKEL MAHO Typenschild
- Benennung des Ersatzteils
- Bestellnummer des Ersatzteils
- bei lackierten Teilen (Sonderlackierung) auch die Farbe der Maschine bzw. des Gerätes

Wir wünschen Ihnen viel Erfolg!

**Ihre
DECKEL MAHO Seebach GmbH**

Dear Customer

This spare parts catalogue contains all the essential parts for a standard series machine.
Please note that customer specific options / configuration must be discussed with the DMG Central Service.

To process quickly your query, please have at hand the following information;

- Machine type and machine number, as printed on the DECKEL MAHO name plate
- Description of spare part
- Order number of the spare part
- By painted parts please inform of special colour.

We wish you every success

**Sincerely yours
DECKEL MAHO Seebach GmbH**

Cher client!

Le catalogue de pièces présent renferme les groupes de la machine ou les pièces de rechange essentiels d'une machine standard qui ne se rapporte qu'à une seule série.

Adressez-vous directement au service central DMG pour obtenir des informations plus détaillées.

Nous avons besoin des informations suivantes pour pouvoir traiter rapidement votre commande:

- Type de machine et numéro de machine d'après la plaque signalétique DECKEL MAHO
- Dénomination de la pièce de rechange
- Numéro de commande de la pièce de rechange
- Pour ce qui est des pièces laquées (teinture spéciale), également la couleur de la machine ou de l'appareil

Nous vous souhaitons beaucoup de succès!

**Votre
DECKEL MAHO Seebach GmbH**

Egregio cliente!

Il catalogo dei pezzi presente contiene le parti della macchina principali e di serie, così come le parti di ricambio di una macchina standard. Per dettagli specifici da parte del cliente, si prega di rivolgersi direttamente al Centro Servizio DMG.

Per eseguire in modo veloce la Vostra ordinazione sono necessarie le seguenti informazioni:

- Tipo e numero di macchina in base allo schema tipo DECKEL MAHO
- Denominazione del pezzo di ricambio
- Codice di ordinazione del pezzo di ricambio
- Nelle parti verniciate (verniciatura speciale) anche il colore della macchina o dell'apparecchio

Vi auguriamo molto successo!

**Vostra
DECKEL MAHO Seebach GmbH**

Geachte klant!

Deze onderdelencatalogus bevat de belangrijkste serie machinebouwgroepen resp. reserveonderdelen van een standaard machine. Daarnaast zijn de klantspecifieke details direct bij de centrale dienstverlening van DMG aan te vragen.

Voor de snelle afwikkeling van uw bestelling hebben we de volgende informatie nodig:

- Machinetype en machinenummer op het DECKEL MAHO typeplaatje
- Benaming van het reserveonderdeel
- Bestelnummer van het reserveonderdeel
- Bij gelakte onderdelen (speciaallak) ook de kleur van de machine resp. het gereedschap

Wij wensen u veel succes!

**Uw
DECKEL MAHO Seebach GmbH**

Estimado Cliente

El siguiente catálogo contiene las piezas de serie más importantes de la parte principal de la máquina, así como de las piezas de recambio de una máquina estándar. Para detalles sobre peticiones específicas del cliente, le rogamos se dirija al centro de servicio DMG.

Para poder ofrecer una respuesta rápida a su pedido, precisamos de la siguiente información:

- Tipo y número de máquina según el esquema tipo DECKEL MAHO
- Denominación de la pieza de recambio
- Número de referencia del pedido de la pieza de recambio
- Para piezas laqueadas (Laqueado especial), el color de la máquina y del aparato.

¡Le deseamos mucho éxito!

**Su
DECKEL MAHO Seebach GmbH**

Estimado Cliente!

Este Catálogo de Peças contém os mais importantes módulos agrupados por séries e as respectivas peças, que pode encontrar numa máquina standard. Todos os restantes pormenores que se prendam com necessidades específicas do cliente deverão ser tratados directamente com o Serviço Central da DECKEL MAHO (DMG-Zentralservice).

Para o rápido processamento das suas encomendas, necessitamos dos seguintes dados:

- Modelo e Número da máquina conforme constam da placa de características da DECKEL MAHO
- Designação da peça sobressalente
- Número de encomenda da peça sobressalente
- No caso de peças pintadas (pintura especial) também a cor da máquina ou do aparelho

Bom trabalho!

**Sempre ao vosso dispor,
DECKEL MAHO Seebach GmbH**

Bäste kund!

Den reservdelskatalog som du har framför dig innehåller de viktigaste, seriemässiga aggregaten resp. reservdelarna, som ingår i standardmaskinen. Beträffande kundspecificerade delar och detaljer, ber vi dig vända dig direkt till DMG centrala service.

För att din beställning ska kunna expedieras snabbt, behöver vi följande informationer:

- Maskintyp och maskinnummer enligt DECKEL MAHO typskylt
- Reservdelens benämning
- Reservdelens beställningsnummer
- Vid lackerade delar (speciallackering) behöver vi också information om maskinens resp. aggregatets färg.

Vi önskar dig lycka till!

DECKEL MAHO Seebach GmbH

Kære kunde!

Det foreliggende deleskatalog indeholder de væsentlige, serierelaterede maskinmoduler hhv. reservedele til en standardmaskine. Kundespecifikke detaljer, som går ud over det, skal forespørges direkte hos DMG-centralservice.

For at kunne afvikle Deres bestilling hurtigt har vi brug for følgende informationer:

- Maskintype og maskinnummer i henhold til DECKEL MAHO typeskilt
- Betegnelsen på reservedelen
- Bestillingsnummeret for reservedelen
- I forbindelse med lakerede dele (speciallakering) også maskinens hhv. apparatets farve

Vi ønsker Dem held og lykke!

**Deres
DECKEL MAHO Seebach GmbH**

Szanowny Kliencie!

Niniejszy katalog części obejmuje najważniejsze podzespoły maszyny wzgl. części zamienne standardowej maszyny uszeregowane wg serii. Dalsze szczegóły specyficzne dla maszyny użytkowanej przez klienta można uzyskać bezpośrednio poprzez serwis centralny DMG.

Dla zapewnienia szybkiej realizacji przesłanego zamówienia potrzebne są nam następujące informacje:

- Typ maszyny i numer maszyny naniesione na tabliczce znamionowej DECKEL MAHO
- Nazwa części zamiennej
- Numer zamówieniowy części zamiennej
- W przypadku części lakierowanych (lakier specjalny) także kolor maszyny wzgl. urządzenia

Życzymy Państwu wielu sukcesów!

**Wasza
DECKEL MAHO Seebach GmbH**

Vážený zákazníku!

Tento katalog dílů obsahuje důležité sériově dodávané konstrukční celky popř. náhradní díly standardního stroje. Kvůli jiným detailům, dodávaným speciálně na zakázku, je nutno se obrátit přímo na centrální servis DMG.

Pro rychlé vyřízení Vaší objednávky potřebujeme tyto informace:

- typ a číslo stroje podle typového štítku DECKEL MAHO
- název náhradního dílu
- objednáací číslo náhradního dílu
- u lakovaných dílů (speciální lakování) rovněž barvu stroje, popř. přístroje

Přejeme Vám mnoho úspěchů!

Vaše

DECKEL MAHO Seebach GmbH

Bezeichnung Designation	Baugruppen-Nr. Component No.	Zeichnungs-Nr. Drawing-No.	ab Seite from page
1. Montageaufbau I Machine mounting I	---	2627786	01-1
1.1 Grundmaschinen Basic machines			
1.1.1 Grundmaschine Basic machine			
1.1.1.1 Grundgestell komplett Basic machine frame - compl.	2610223	2610223	01.1.1.1-1
1.1.1.2 X-Schlitten Slide X-axis	2627898	2627898	01.1.1.2-1
1.1.1.3 Anbauteile X-Schlitten Annexe parts - Slide X-axis	2717316 nur Stückliste partsl. only	enthalten in 2627893 included in 2627893	01.1.1.3-1
1.1.1.4 Vorschub X-Achse DMU50 Feed drive X-axis DMU50	2723425	2723425	01.1.1.4-1
1.1.1.5 Anbauteile Vorschub X-Achse Annexe parts for feed drive X-axis	2717317 nur Stückliste partsl. only	enthalten in 2627893 included in 2627893	01.1.1.5-1
1.1.1.6 Y-Schlitten mit Spindelstock Slide Y-axis with headstock			
1.1.1.6.1 Y-Schlitten kpl. DMU50 Slide Y-axis compl. DMU50	2376141	2376141	01.1.1.6.1-1
1.1.1.6.2 Spindelstock kpl. DMU50 Headstock compl. DMU50	2376140	2376140	01.1.1.6.2-1
1.1.1.6.3 Anbauteile Spindelstock Annexe parts headstock	2378424 nur Stückliste partsl. only	enthalten in 2376143 included in 2376143	01.1.1.6.3-1
1.1.1.6.4 Vorschub Z-Achse DMU50 Feed drive Z-axis DMU50	2376142	2376142	01.1.1.6.4-1

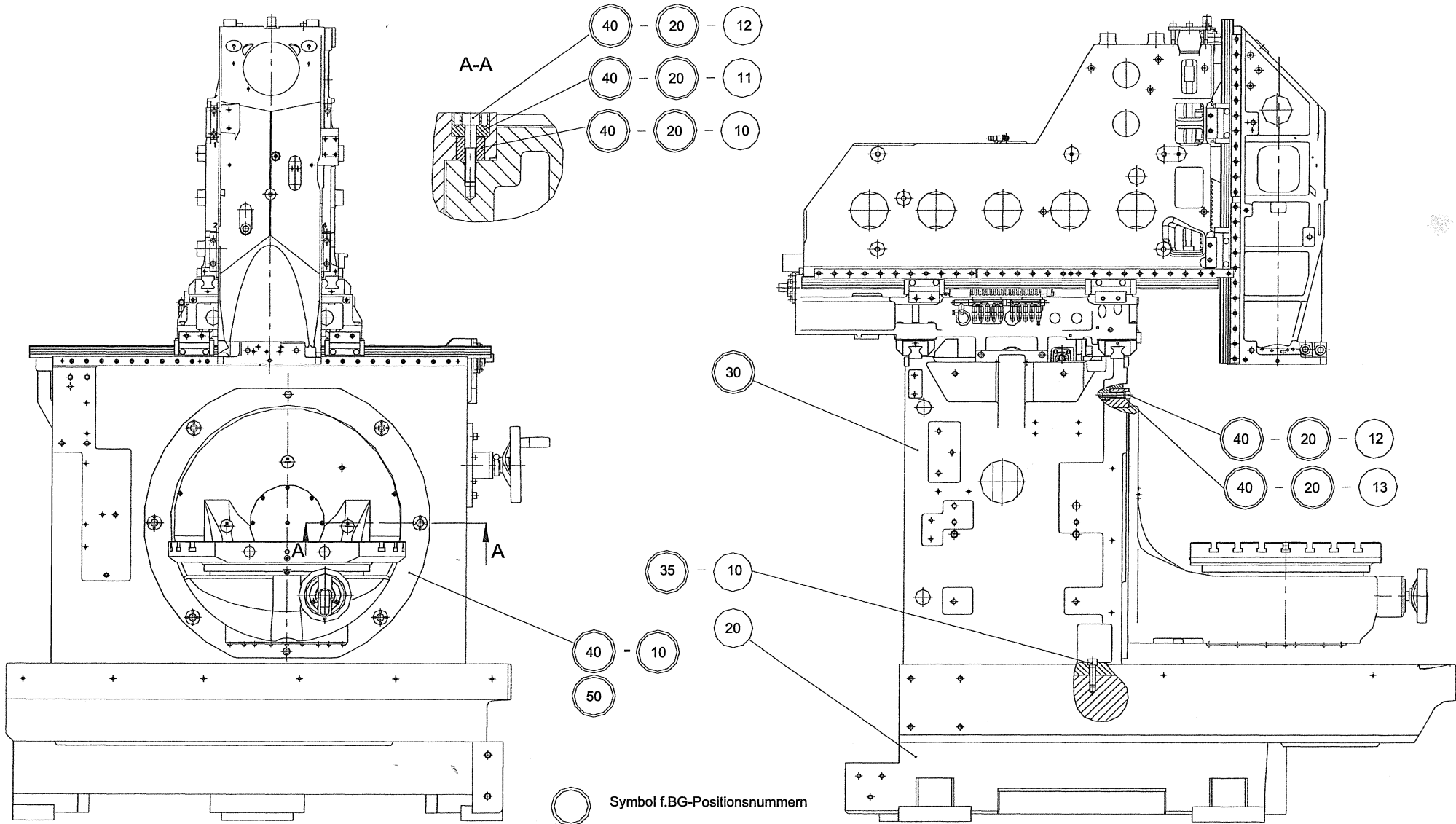
Bezeichnung Designation	Baugruppen-Nr. Component No.	Zeichnungs-Nr. Drawing-No.	ab Seite from page
1.1.1.7 Anbauteile Y-Schlitten und Spindelstock Annexe parts-Slide X-axis + headstock	2717320 nur Stückliste partslist only	enthalten in 2627893 included in 2627893	01.1.1.7-1
1.1.1.8 Vorschub Y-Achse DMU50 Feed drive Y-axis DMU50	2723426	2723426	01.1.1.8-1
1.1.1.9 Anbauteile Vorschub Y-Achse DMU50 Annexe parts - Feed drive Y-axis DMU50	2717321 nur Stückliste partslist only	enthalten in 2627893 included in 2627893	01.1.1.9-1
1.2 Anbauteile Bett Rumpfmachine Annexe parts - machine bed of basic machine	2728926 nur Stückliste partslist only	enthalten in 2627786 included in 2627786	01.2-1
1.3 Schwenkrundtisch manuell Manual rotary table with swivel axis	2609734	2609734	01.3-1
1.4 Anbauteile Schwenkrundtisch Annexe parts - Rotary table with swivel axis	2724593 nur Stückliste partslist only	----	01.4-1
1.5 Schwenkrundtisch motorisch Rotary table with swivel axis (motor)	2609730	2609730	01.5-1
1.6 Anbauteile Schwenkrundtisch Annexe parts - Rotary table with swivel axis	2724593 nur Stückliste partslist only	---	01.4-1
1.7 Starttisch DMU50 Rigid table compl. DMU50	2498008 nur Stückliste partslist only	---	01.7-1
1.8 Schwenkrundtisch NC Rotary table with swivel axis NC	2629059	2629059	01.8-1
1.9 Anbauteile Schwenkrundtisch Annexe parts - Rotary table with swivel axis	2724593 nur Stückliste partslist only	---	01.4-1
2. Montageaufbau II/III Machine mounting II/III	---	2639140	02-1
2.1 Messeinrichtung X, Y-, Z-Achse DMU50 Measuring system X,- Y-, Z-axis DMU50	2377707 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.1-1
2.1.1 Paket LM-Systeme DMU50 Package LM-Systems DMU50	2377893 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.1.1-1

Bezeichnung Designation	Baugruppen-Nr. Component No.	Zeichnungs-Nr. Drawing-No.	ab Seite from page
2.1.2 Anbauteile Messeinrichtung X-, Y-, Z DMU50 Annexe parts for measuring system X-, Y-, Z	2379034 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.1.2-1
2.2 Komplettierung Motorspindel HSK-A63 14.000 Completion motorspindle HSK-A63 14,000 rpm	2627793 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.2-1
2.3 Komplettierung Motorspindel SK40 10.000 ohne DD Completion motorspindle SK40 10,000 rpm without rotary coupling	2627791 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.3-1
2.4 Komplettierung Motorspindel SK40 10.000 mit DD Completion motorspindle SK40 10,000 rpm with rotary coupling	2627794 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.4-1
2.5 Komplettierung Motorspindel SK40 14.000 mit DD Completion motorspindle SK40 14,000 rpm with rotary coupling	2627795 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.5-1
2.6 Komplettierung Motorspindel SK40 14.000 ohne DD Completion motorspindle SK40 14,000 rpm without rotary coupling	2627792 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.6-1
2.7 Komplettierung Motorspindel SK40 18.000 Completion motorspindle SK40 18,000 rpm	2629182 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.7-1
2.8 Komplettierung Motorspindel HSK-A63 18.000 Completion motorspindle HSK-A63 18,000 rpm	2629183 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.8-1
2.9 Anbauteile C-Achse ohne RON/ RCN Annexe parts C-axis without RON/ RCN	2719346 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.9-1
2.10 Anbauteile C-Achse mit RCN Annexe parts C-axis with RCN	2377901 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.10-1
2.11 Anbauteile C-Achse mit RCN/ DDF Annexe parts C-axis with RCN/ rotary coupling	2501555 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.11-1
2.12 Anbauteile B-Achse ohne RON/ RCN Annexe parts B-axis without RON/ RCN	2726541 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.12-1

Bezeichnung Designation	Baugruppen-Nr. Component No.	Zeichnungs-Nr. Drawing-No.	ab Seite from page
2.13 Anbauteile B-Achse mit RCN Annexe parts B-axis with RCN	2377902 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.13-1
2.14 Werkzeugmagazin 16 Werkzeuge Tool magazine - 16 tools	2647075	2647075	02.14-1
2.15 Werkzeugmagazin 30 Werkzeuge SK40 Tool magazine - 30 tools SK40	2612911	---	
2.16 Werkzeugmagazin 30 Werkzeuge HSK63 Tool magazine - 30 tools HSK63	2612912	---	
2.17 Werkzeugmagazin 60 Werkzeuge SK40 Tool magazine - 60 tools SK40	2612913	---	
2.18 Werkzeugmagazin 60 Werkzeuge HSK63 Tool magazine - 60 tools HSK63	2612914	---	
2.19 Anbauteile Werkzeugmagazin 16 Werkzeuge Annexe parts Tool magazine - 16 tools	2597177 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.19-1
2.20 Anbauteile Werkzeugmagazin 30 Werkzeuge GIFU Annexe parts Tool magazine - 30 tools GIFU	2643356 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.20-1
2.21 Anbauteile Werkzeugmagazin 60 Werkzeuge GIFU Annexe parts Tool magazine - 60 tools GIFU	2643357 nur Stückliste partslist only	enthalten in 2639140 included in 2639140	02.21-1
3. Montageaufbau IV Machine mounting IV	---	2639141	03-1
3.1 Paket Antrieb HDH ABS Drive package HDH abs.	2502565 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.1-1
3.1.1 Vorschubantrieb X-Achse Feed drive X-axis	2379001 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.1.1-1
3.1.2 Vorschubantrieb Y-Achse Feed drive Y-axis	2379002 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.1.2-1
3.1.3 Vorschubantrieb Z-Achse Feed drive Z-axis	2379003 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.1.3-1

Bezeichnung Designation	Baugruppen-Nr. Component No.	Zeichnungs-Nr. Drawing-No.	ab Seite from page
3.2 Paket Antrieb HDH INKR Drive package HDH incr.	2502563 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.2-1
3.2.1 Vorschubantrieb X-Achse Feed drive X-axis	2378958 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.2.1-1
3.2.2 Vorschubantrieb Y-Achse Feed drive Y-axis	2378999 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.2.2-1
3.2.3 Vorschubantrieb Z-Achse Feed drive Z-axis	2379000 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.2.3-1
3.3 Paket Antrieb SL ABS Drive package SLabs.	2502567 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.3-1
3.3.1 Vorschubantrieb X-Achse Feed drive X-axis	2502827 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.3.1-1
3.3.2 Vorschubantrieb Y-Achse Feed drive Y-axis	2502833 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.3.2-1
3.3.3 Vorschubantrieb Z-Achse Feed drive Z-axis	2502844 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.3.3-1
3.4 Paket Antrieb SL INKR Drive package SL incr.	2502566 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.4-1
3.4.1 Vorschubantrieb X-Achse Feed drive X-axis	2502781 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.4.1-1
3.4.2 Vorschubantrieb Y-Achse Feed drive Y-axis	2502796 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.4.2-1
3.4.3 Vorschubantrieb Z-Achse Feed drive Z-axis	2502807 nur Stückliste partslist only	enthalten in 2639141 included in 2639141	03.4.3-1
4. Medienversorgungen Hydraulic/ Pneumatic central units			
4.1 Medienversorgung Hydraulic/ Pneumatic central unit	2642534	2642534	04.1-1

Bezeichnung Designation	Baugruppen-Nr. Component No.	Zeichnungs-Nr. Drawing-No.	ab Seite from page
4.2 Medienversorgung 18.000 Hydraulic/ Pneumatic central unit 18,000 rpm	2642529	2642529	04.2-1
5. Führungsbahnabdeckung Guide way cover	2643028	2643028	05-1
6. Kabine Machine cabin			
6.1 Kabine Tür rechts Machine cabin - door right	2641349	2641349	06.1-1
6.2 Kabine Seitenwand rechts Machine cabin - side wall right	2641353	2641353	06.2-1
7. Kühlschmierstoffbehälter Coolant tank			
7.1 Kühlschmierstoffbehälter Coolant tank	2561968	2561968	07.1-1
7.2 Kühlschmierstoffbehälter WZM 16 Coolant tank - tool magazine 16 tools	2590726	2590726	07.2-1



Montageaufbau I // Machine mounting I

Baugruppe / Assembly group:

Seite / Page: 01-1

Zeichn.Nr. / Draw. No.: 2627786

Bl. / Page: 1 (2)

POS. IN STUELI 99.452505

POS. 20....BG * BETT*MINERALGUSS
 POS. 30....BG * GRUNDMASCHINE
 POS. 35....BG * ABT*BETT*RUMPFMASCHINE
 POS. 40....BG * SCHWENK-RD-TISCH MOT*KPLT.
 POS. 40....BG * SCHWENK-RD-TISCH*MOTOR*DDF
 POS. 40....BG * SCHWENK-RD-TISCH*MAN*KPLT.
 POS. 40....BG * SCHWENK-RD-TISCH*MAN*DDF
 POS. 40....BG * STARRTISCH*KPLT.*DMU50
 POS. 40....BG * SCHWENK-RD-TISCH*NC*M.DDF
 POS. 41....BG * ZBS*ME*FMD*Y
 POS. 42....BG * ABS*ZOLL-AUSFUEHRUNG
 POS. 45....BG * ZBS*ME*2FL*NC-RT
 POS. 45....BG * ZBS*ME*4FL*NC-RT
 POS. 50....BG * ZBS*MILL+TNC*SRT*MOT*DMU50
 POS. 50....BG * ZBS*840D*SRT*MOT*DMU50
 POS. 50....BG * ZBS*HDH*SRT*NC*DMU50
 POS. 50....BG * ZBS*840D*SRT*NC*DMU50

POS. IN STUELI 99.45..05

POS. 20....BG * BETT*MINERALGUSS
 POS. 30....BG * GRUNDMASCHINE
 POS. 35....BG * ABT*BETT*RUMPFMASCHINE
 POS. 40....BG * SCHWENK-RD-TISCH MOT*KPLT.
 POS. 40....BG * SCHWENK-RD-TISCH*MOTOR*DDF
 POS. 40....BG * SCHWENK-RD-TISCH*MAN*KPLT.
 POS. 40....BG * SCHWENK-RD-TISCH*MAN*DDF
 POS. 40....BG * STARRTISCH*KPLT.*DMU50
 POS. 40....BG * SCHWENK-RD-TISCH*NC*M.DDF
 POS. 41....BG * ZBS*ME*FMD*Y
 POS. 42....BG * ABS*ZOLL-AUSFUEHRUNG
 POS. 45....BG * ZBS*ME*2FL*NC-RT
 POS. 45....BG * ZBS*ME*4FL*NC-RT
 POS. 50....BG * ZBS*MILL+TNC*SRT*MOT*DMU50
 POS. 50....BG * ZBS*840D*SRT*MOT*DMU50
 POS. 50....BG * ZBS*HDH*SRT*NC*DMU50
 POS. 50....BG * ZBS*840D*SRT*NC*DMU50
 POS. 50....BG * ZBS*HDH*SRT*MAN*HDH*DMU50
 POS. 50....BG * ZBS*HDH*SRT*MAN*SL*DMU50

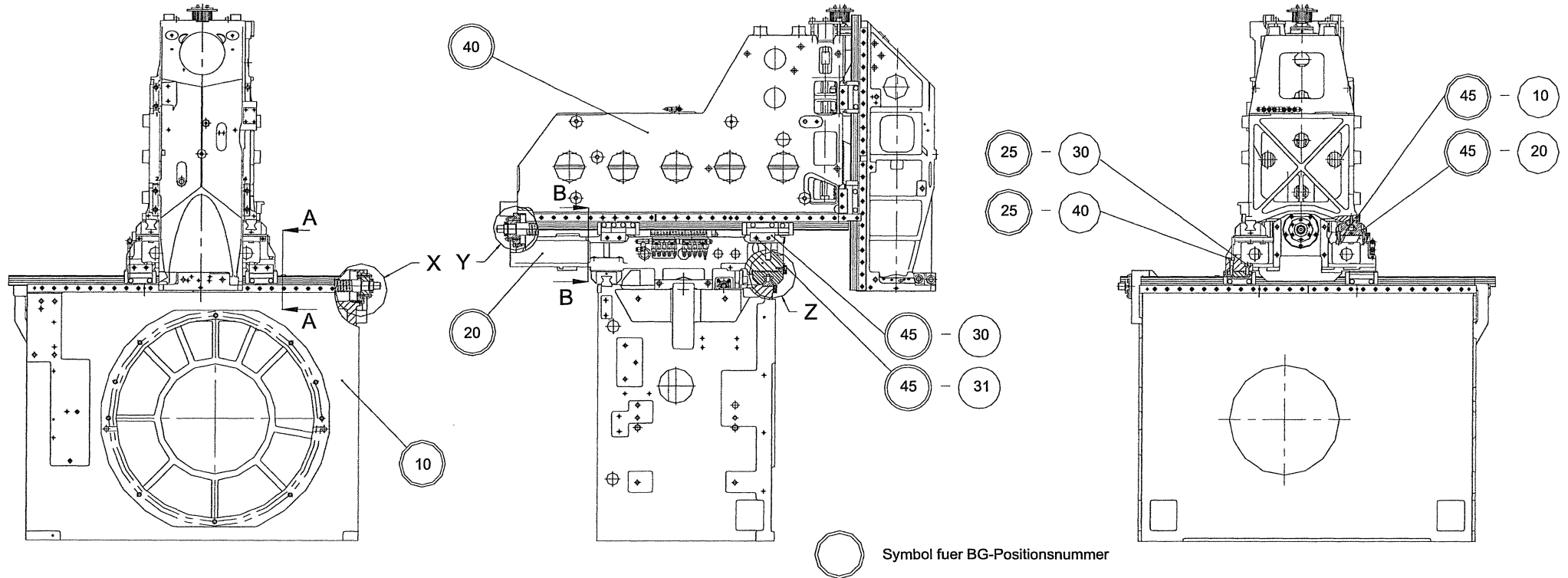
Montageaufbau I // Machine mounting I

Baugruppe / Assembly group:

Seite / Page: 01-2

Zeichn.Nr. / Draw. No.: 2627786

Bl. / Page: 2 (2)



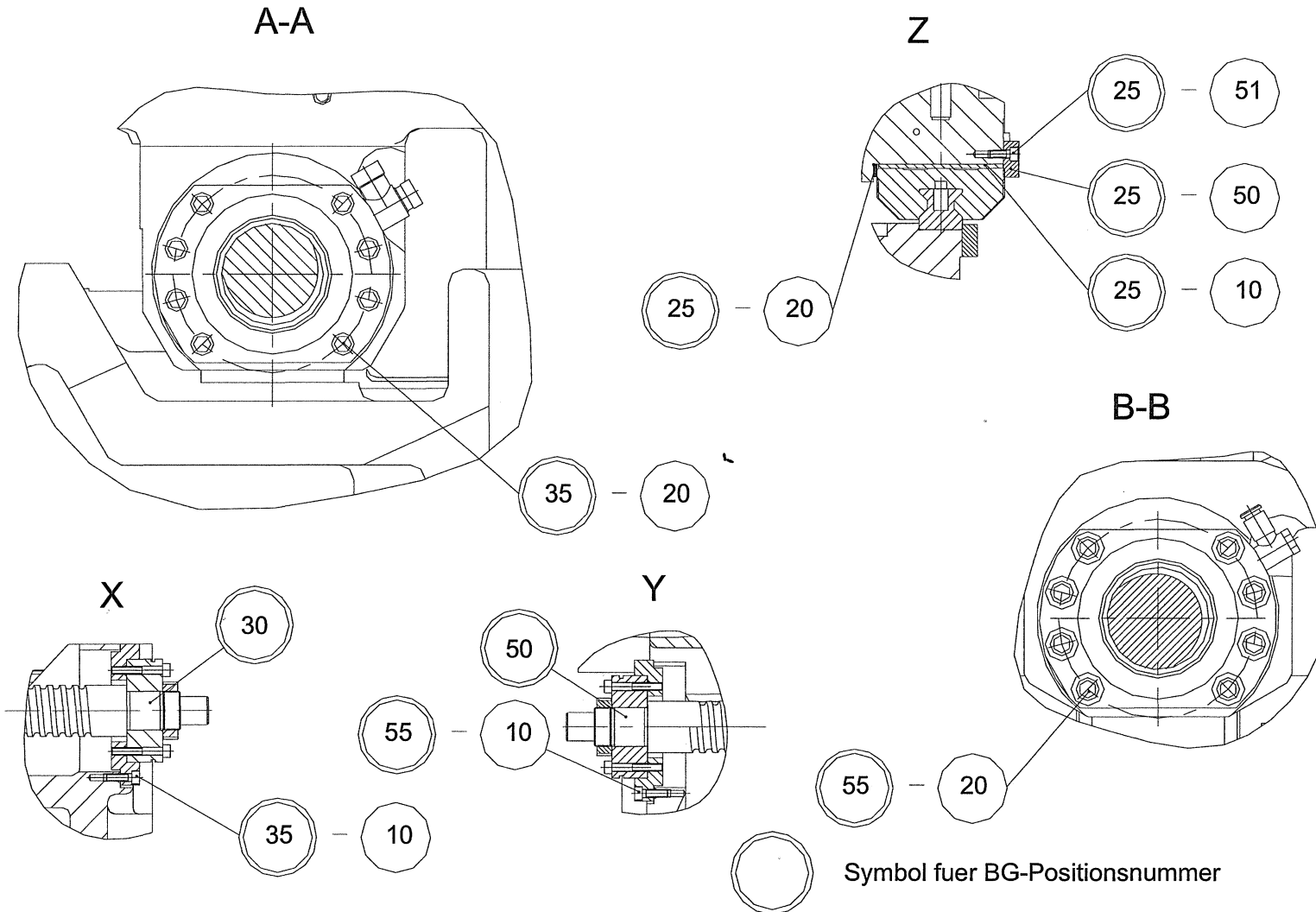
Grundmaschine // Basic machine

Baugruppe / Assembly group: 2627893

Seite / Page: 01.1.1-1

Zeichn.Nr. / Draw. No.: 2627893

Bl. / Page: 1 (4)



Grundmaschine // Basic machine

Baugruppe / Assembly group: 2627893

Seite / Page: 01.1.1-2

Zeichn.Nr. / Draw. No.: 2627893

Bl. / Page: 2 (4)

POS.....IN STUELI 2627893

POS.10..... BG 2610223 GRUNDGESTELL*KPLT.*DMU 50
POS.20..... BG 2627898 X-SCHLITTEN*KPL*DMU 50
POS.25..... BG 2717316 ABT*X-SCHLITTEN
POS.30..... BG 2723425 VORSCHUB*X*DMU 50
POS.35..... BG 2717317 ABT*X-VORSCHUB
POS.40..... BG 2376143 Y-SCHLITTEN*M.SPINDELSTOCK
POS.45..... BG 2717320 ABT*Y-SCHLITTEN+SPINDELSTOCK
POS.50..... BG 2723426 VORSCHUB*Y*DMU 50
POS.55..... BG 2717321 ABT*Y-VORSCHUB

Grundmaschine // Basic machineBaugruppe / Assembly group: **2627893**Seite / Page: **01.1.1-3**Zeichn.Nr. / Draw. No.: **2627893**Bl. / Page: **3 (4)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2627893	GRUNDMASCHINE Basic machine	DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2610223	GRUNDGESTELL Basic frame	KPLT.*DMU 50	1	pcs
20	2627898	X-SCHLITTEN X-slide	KPLT.*DMU50	1	pcs
25	2717316	ABT add-on components	X-SCHLITTEN	1	st
30	2723425	VORSCHUB Feed	X * DMU50	1	st
35	2717317	ABT add-on components	X-VORSCHUB	1	st
40	2376143	Y-SCHLITTEN Y-slide	M.SPINDELSTOCK	1	pcs
45	2717320	ABT add-on components	Y-SCHLITTEN+SPINDELSTOCK	1	st
50	2723426	VORSCHUB Feed	Y * DMU50	1	st
55	2717321	ABT add-on components	Y-VORSCHUB	1	st

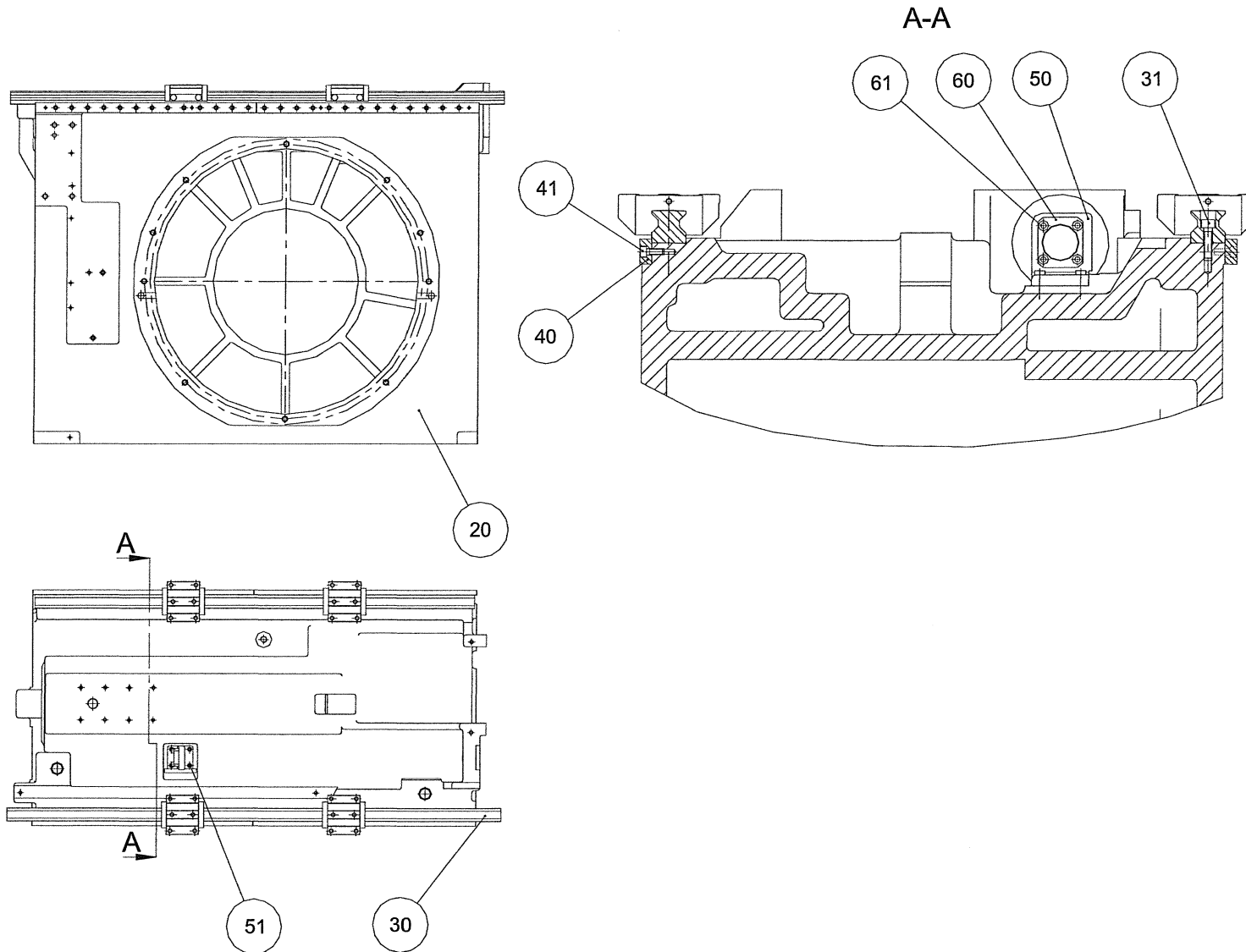
Grundmaschine // Basic machine

Baugruppe / Assembly group: 2627893

Seite / Page: 01.1.1-4

Zeichn.Nr. / Draw. No.: 2627893

Bl. / Page: 4 (4)



Grundgestell kpl. // Basic machine frame - compl.

Baugruppe / Assembly group: **2610223**

Seite / Page: **01.1.1.1-1**

Zeichn.Nr. / Draw. No.: **2610223**

Bl. / Page: **1 (2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2610223	GRUNDGESTELL Basic frame	KPLT.*DMU 50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
20	2608307	STAENDER Column	DMU 50	1	pcs
30	2717735	LINEARFUEHRUNG Linear guide	MRA 35	1	st
31	26200054	ZYL-SHR-I6KT Hexagon socket cap screw	M8*30*12.9*912	54	st
40	2718256	LEISTE Bar	25*12*550	4	st
41	26050195	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*8.8*912	52	st
50	2717497	LAGERBOCK Bearing block	DMU 50	1	st
51	26050199	ZYL-SHR-I6KT Hexagon socket cap screw	M6*20*8.8*912	4	st
60	2717007	FLANSCH Flange	50*44*12	1	st
61	26050201	ZYL-SHR-I6KT Hexagon socket cap screw	M6*25*8.8*912	4	st

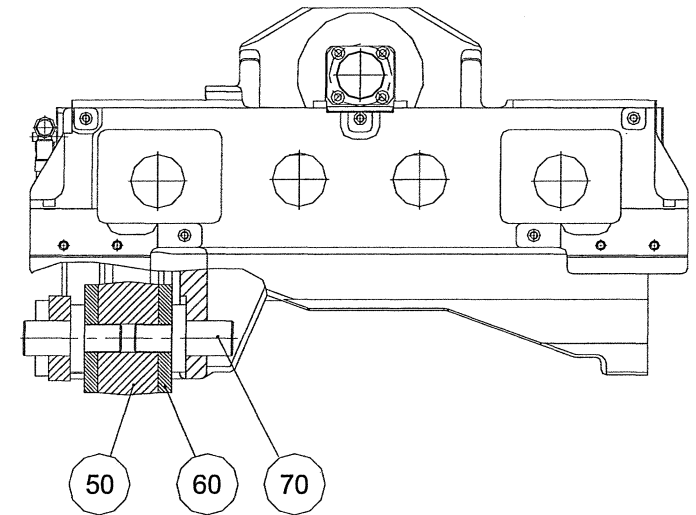
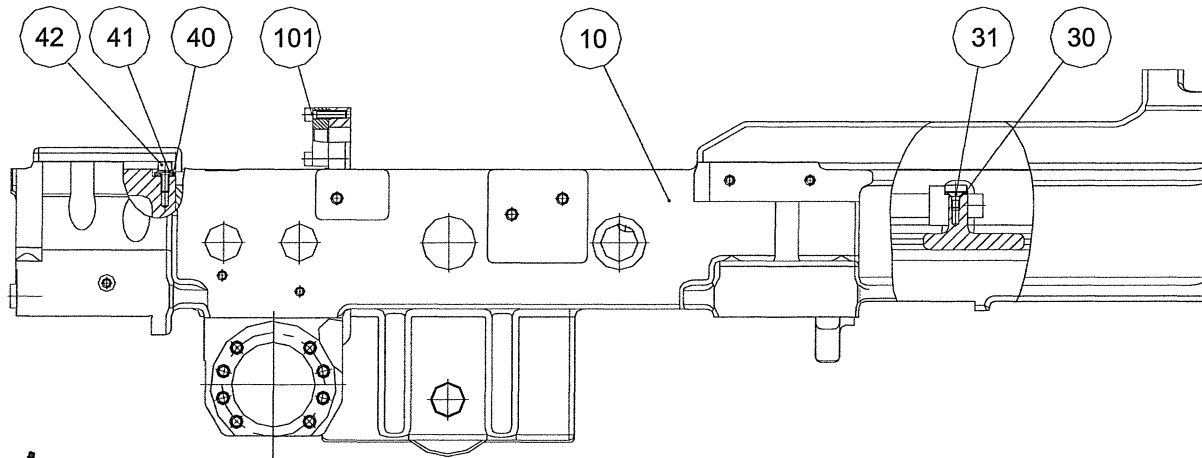
Grundgestell kpl. // Basic machine frame - compl.

Baugruppe / Assembly group: 2610223

Seite / Page: 01.1.1.1-2

Zeichn.Nr. / Draw. No.: 2610223

Bl. / Page: 2 (2)



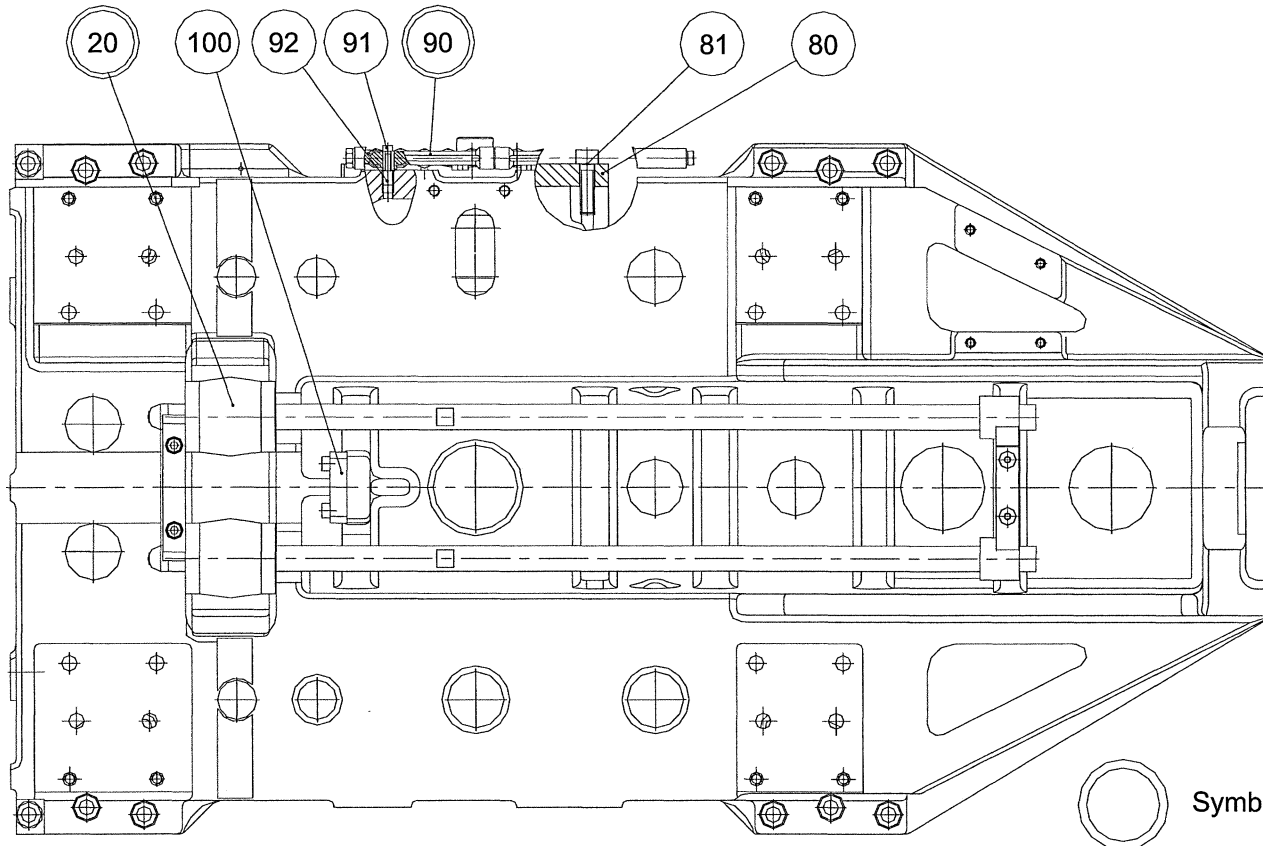
X-Schlitten // Slide X-axis


Baugruppe / Assembly group: **2627898**

Seite / Page: **01.1.1.2-1**

Zeichn.Nr. / Draw. No.: **2627898**

Bl. / Page: **1 (4)**



 Symbol fuer BG-Positionsnummern

X-Schlitten // Slide X-axis

Baugruppe / Assembly group: **2627898**

Seite / Page: **01.1.1.2-2**

Zeichn.Nr. / Draw. No.: **2627898**

Bl. / Page: **2 (4)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Specification
2627898	X-SCHLITTEN X-slide	KPLT.*DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Specification	Menge Quantity	Einh. Unit
10	2527663	X-SCHLITTEN X-slide	DMU 50	1	pcs
20	2717001	ANSCHLAG limit stop	Y*DMU50	2	st
30	2717021	HALTER holder	ANSCHLAG Y	1	st
31	26051210	SENK-SHR-I6KT Hexagon countersunk head screw	M6*12*7991*8.8	2	st
40	2717022	HALTER holder	ANSCHLAG Y	1	st
41	26050629	SCHEIBE Washer	12.5*6.4*1.6*B*125	2	st
42	26050195	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*8.8*912	2	st
50	2288663	URELASTFEDER Urelast spring	80*21*50	1	st
60	2291441	RING Ring	80*21*10	2	st
70	2717333	BOLZEN bolt	50*73	2	st
80	2717006	PLATTE Plate	63*16*190	1	st
81	26200059	ZYL-SHR-I6KT Hexagon socket cap screw	M10*35*12.9*912	4	st
90	2717315	VERTEILER Distributor	X-SCHLITTEN*DMU50	1	st
91	26050165	ZYL-SHR-I6KT Hexagon socket cap screw	M4*20*8.8*912	2	st

X-Schlitten // Slide X-axisBaugruppe / Assembly group: **2627898**Seite / Page: **01.1.1.2-3**Zeichn.Nr. / Draw. No.: **2627898**Bl. / Page: **3 (4)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
92	2708293	GWD-BUCHSE Threaded bush	M8*M4*10	2	st
100	2717007	FLANSCH Flange	50*44*12	1	st
101	26050201	ZYL-SHR-I6KT Hexagon socket cap screw	M6*25*8.8*912	4	st

X-Schlitten // Slide X-axisBaugruppe / Assembly group: **2627898**Seite / Page: **01.1.1.2-4**Zeichn.Nr. / Draw. No.: **2627898**Bl. / Page: **4 (4)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2717316	ABT <i>add-on components</i>	X-SCHLITTEN X-SCHLITTEN

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2700437	PLATTE <i>plate</i>	80*98*3.5 80*98*3.5	4	st
20	10234679	PLATTE <i>PLATE</i>	100*10*3.0 100*10*3.0	2	st
30	26200058	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*30*12.9*912 M10*30*12.9*912	12	st
40	26200064	ZYL-SHR-I6KT	M10*50*DIN912*12. M10*50*DIN912*12.	12	st
50	2717010	LEISTE <i>bar</i>	28*12*80 28*12*80	2	st
51	26050195	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*16*8.8*912 M6*16*8.8*912	4	st

Anbauteile X-Schlitten -- nur Stückliste //
Annexe parts - slide X-axis -- partslist only

Baugruppe / Assembly group: **2717316**

Seite / Page:

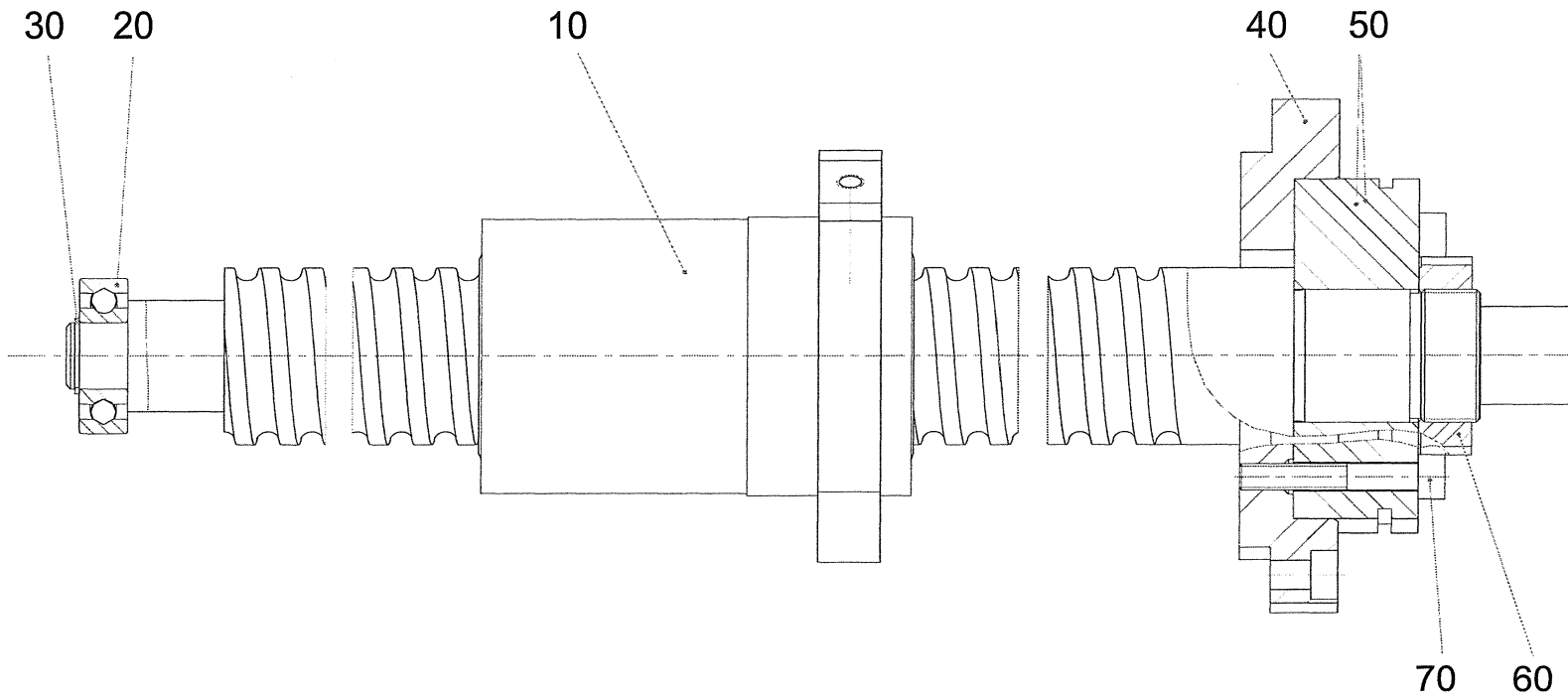
01.3-1

Zeichn.Nr. / Draw. No.:

enthalten in 2627893

included in 2627893 Bl. / Page:1 (1)





Vorschub X-Achse DMU 50 // Feed drive X-axis DMU 50

Baugruppe / Assembly group: **2723425**

Seite / Page: **01.1.1.4-1**

Zeichn.Nr. / Draw. No.: **2723425**

Bl. / Page: **1 (2)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezifikation</i>
2723425	VORSCHUB feed	X * DMU50 X * DMU50

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezifikation</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2717042	KUGELGEW-TRIEB ball screw	40*10*X-ACHSE 40*10*X-ACHSE	1	st
20	27072376	RK-LAGER	6202-2ZR 6202-2ZR	1	st
30	26050531	SICHERUNGSRING LOCK RING	15*1*DIN471 15*1*DIN471	1	st
40	2717049	FLANSCH flange	116*48*22 116*48*22	1	st
50	2714195	AX-S-KUG-LAG axial angular ball bearing	ZKLF*3080*2RS*PE ZKLF*3080*2RS*PE	1	st
60	27077210	STELLMUTTER ADJUSTING NUT	MMR*M30X1.5*IBC MMR*M30X1.5*IBC	1	st
70	26081034	ZYL-SHR-I6KT	M6*40*DIN912*12.9 M6*40*DIN912*12.9	6	st

Vorschub X-Achse DMU 50 // Feed drive X-axis DMU 50

Baugruppe / Assembly group: 2723425

Seite / Page: 01.1.1.4-2

Zeichn.Nr. / Draw. No.: 2723425

Bl. / Page: 2 (2)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2717317	ABT add-on components	X-VORSCHUB X-VORSCHUB

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	26050199	ZYL-SHR-I6KT hexagon socket screw	M6*20*8.8*912 M6*20*8.8*912	5	st
20	26200054	ZYL-SHR-I6KT hexagon socket screw	M8*30*12.9*912 M8*30*12.9*912	8	st

Anbauteile Vorschub X-Achse -- nur Stückliste //

Annexe parts for feed drive X-axis -- partslist only

Baugruppe / Assembly group: 2717317

Seite / Page: 01.1.1.5-1

Zeichn.Nr. / Draw. No.:

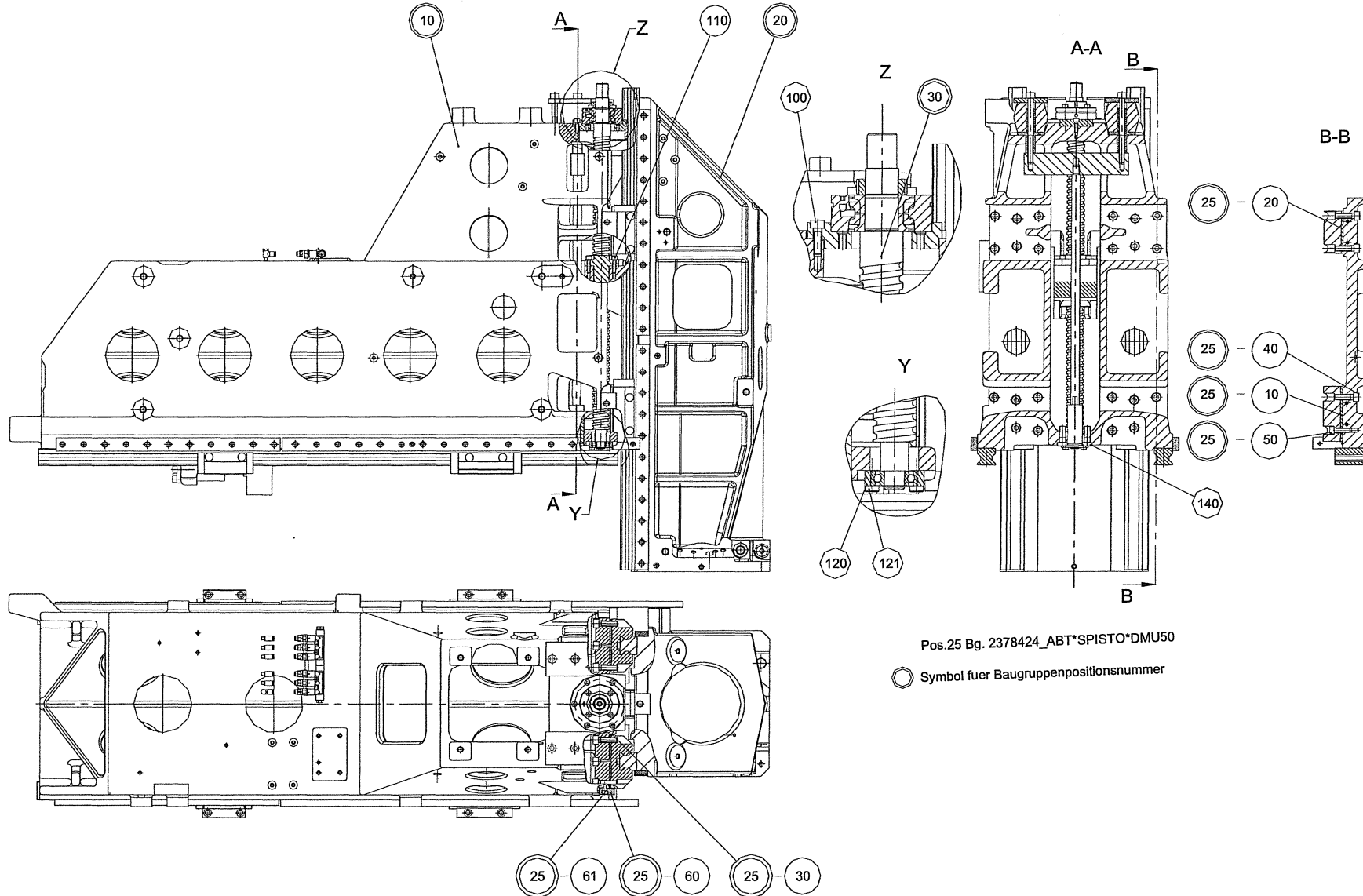
enthalten in 2627893

included in 2627893

Bl. / Page: 1(1)

2





Pos.25 Bg. 2378424_ABT*SPISTO*DMU50

Symbol fuer Baugruppenpositionsnummer

Y-Schlitten mit Spindelstock // Slide Y-axis with headstock

Baugruppe / Assembly group: **2376143**

Seite / Page: **01.1.1.6-1**

Zeichn.Nr. / Draw. No.: **2376143**

Bl. / Page: **1 (2)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Specification</i>
2376143	Y-SCHLITTEN <i>Y-slide</i>	M.SPINDELSTOCK M.SPINDELSTOCK

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Specification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2376141	Y-SCHLITTEN <i>Y-slide</i>	KPL*DMU 50 <i>KPL*DMU 50</i>	1	pcs
20	2376140	SPISTO <i>headstock</i>	KPL*DMU 50 <i>KPL*DMU 50</i>	1	pcs
25	2378424	ABT <i>add-on components</i>	SPISTO*DMU 50 <i>SPISTO*DMU 50</i>	1	pcs
30	2376142	VORSCHUB <i>feed</i>	Z*DMU 50 <i>Z*DMU 50</i>	1	pcs
100	26050199	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*20*8.8*912 <i>M6*20*8.8*912</i>	5	st
110	26200047	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*25*12.9*912 <i>M6*25*12.9*912</i>	6	st
120	2717007	FLANSCH <i>flange</i>	50*44*12 <i>50*44*12</i>	1	st
121	26050200	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*20*8.8*6912 <i>M6*20*8.8*6912</i>	4	st

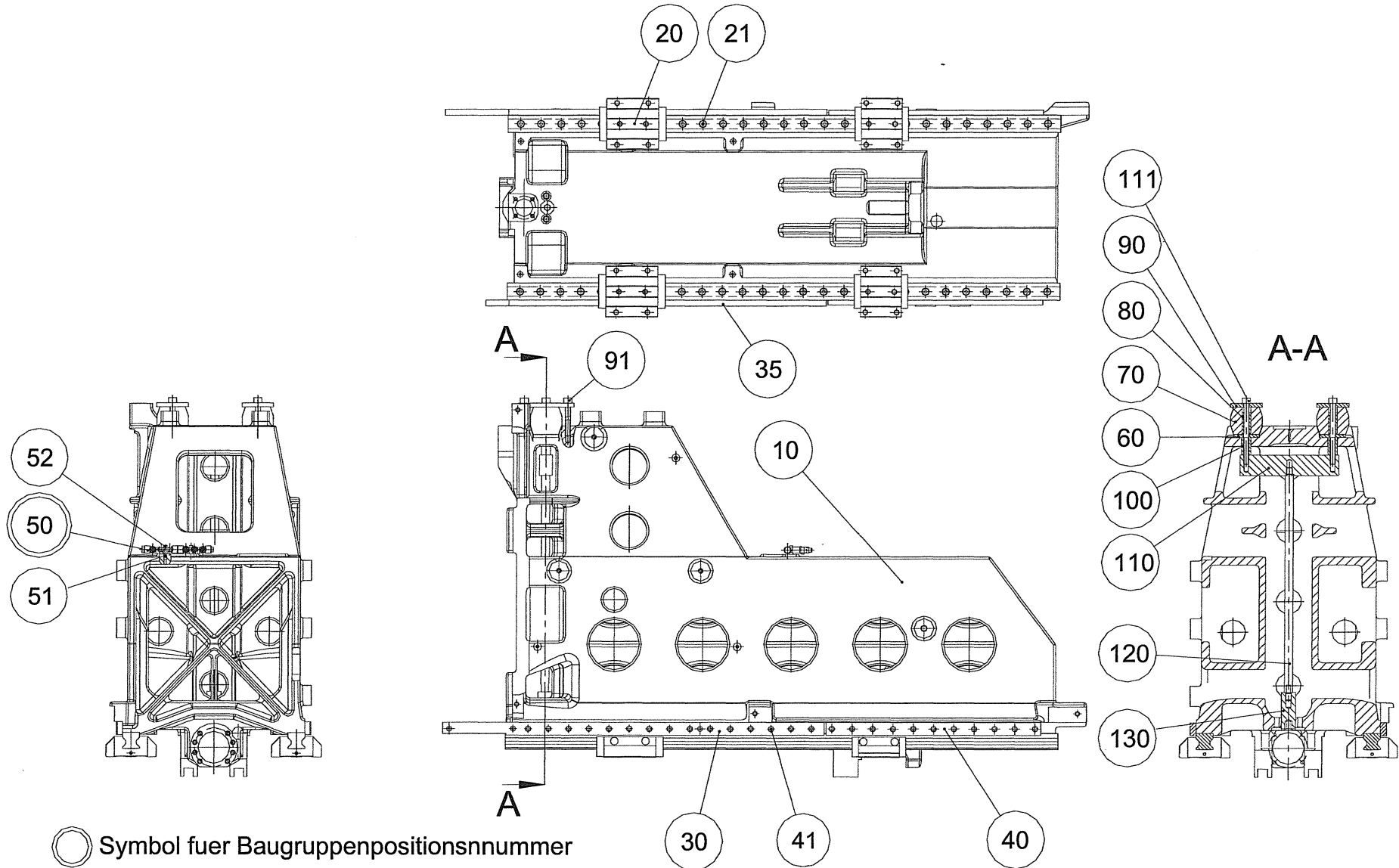
Y-Schlitten mit Spindelstock // Slide Y-axis with headstock

Baugruppe / Assembly group: 2376143

Seite / Page: 01.1.1.6-2

Zeichn.Nr. / Draw. No.: 2376143

Bl. / Page: 2 (2)



Y-Schlitten kpl. DMU50 // Slide Y-axis compl. DMU50

Baugruppe / Assembly group: **2376141**

Seite / Page: **01.1.1.6.1-1**

Zeichn.Nr. / Draw. No.: **2376141**

Bl. / Page: **1 (3)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2376141	Y-SCHLITTEN <i>Y-slide</i>	KPL*DMU 50 KPL*DMU 50

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2716987	Y-SCHLITTEN <i>Y-slide</i>	DMU 50 <i>DMU 50</i>	1	st
20	2717736	LINEARFUEHRUNG <i>Linear guide</i>	MRA/B 35*1090 <i>MRA/B 35*1090</i>	1	st
21	26200054	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*30*12.9*912 <i>M8*30*12.9*912</i>	54	st
30	2726368	LEISTE <i>bar</i>	25*12*753.5 <i>25*12*753.5</i>	1	st
35	2726369	LEISTE <i>bar</i>	25*12*671.5 <i>25*12*671.5</i>	1	st
40	2717009	LEISTE <i>bar</i>	25*10*423 <i>25*10*423</i>	2	st
41	26050193	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*12*8.8*912 <i>M6*12*8.8*912</i>	52	st
50	2728864	VERTEILER <i>distributor</i>	Y*SCHLITTEN*DMU50lin <i>Y*SCHLITTEN*DMU50lin</i>	1	st
51	27058265	GEWINDEBUCHSE <i>threaded insert</i>	M6*M4*6.0 <i>M6*M4*6.0</i>	2	st
52	26050165	ZYL-SHR-I6KT <i>SCREW TCEI*M4*20*8.8*912</i>	M4*20*8.8*912 <i>M4*20*8.8*912</i>	2	st
60	2717341	SCHEIBE <i>Washer</i>	50*11*6 <i>50*11*6</i>	2	st
70	27078697	URELASTFEDER	5063*U*EFFBE <i>5063*U*EFFBE</i>	2	st
80	2717342	BUCHSE <i>bush</i>	17*11*43 <i>17*11*43</i>	2	st

Y-Schlitten kpl. DMU50 // Slide Y-axis compl. DMU50

Baugruppe / Assembly group: 2376141

Seite / Page: 01.1.1.6.1-2

Zeichn.Nr. / Draw. No.: 2376141

Bl. / Page: 2 (3)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
90	2717019	PLATTE <i>plate</i>	63*110*8 <i>63*110*8</i>	2	st
91	26050252	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*65*8.8*912 <i>M10*65*8.8*912</i>	4	st
100	2717343	BUCHSE <i>bush</i>	18*11*34 <i>18*11*34</i>	2	st
110	2717020	LEISTE <i>bar</i>	40*25*194 <i>40*25*194</i>	1	st
111	2736186	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*120*10.9*BR <i>M10*120*10.9*BR*6912</i>	2	st
120	2314997	STEBOLZEN <i>stay bolt</i>	464*16*M12 <i>464*16*M12</i>	1	pcs
130	2314959	GWD-BOLZEN <i>threaded bolt</i>	M12*18*SW12 <i>M12*18*SW12</i>	1	pcs

Y-Schlitten kpl. DMU50 // Slide Y-axis compl. DMU50

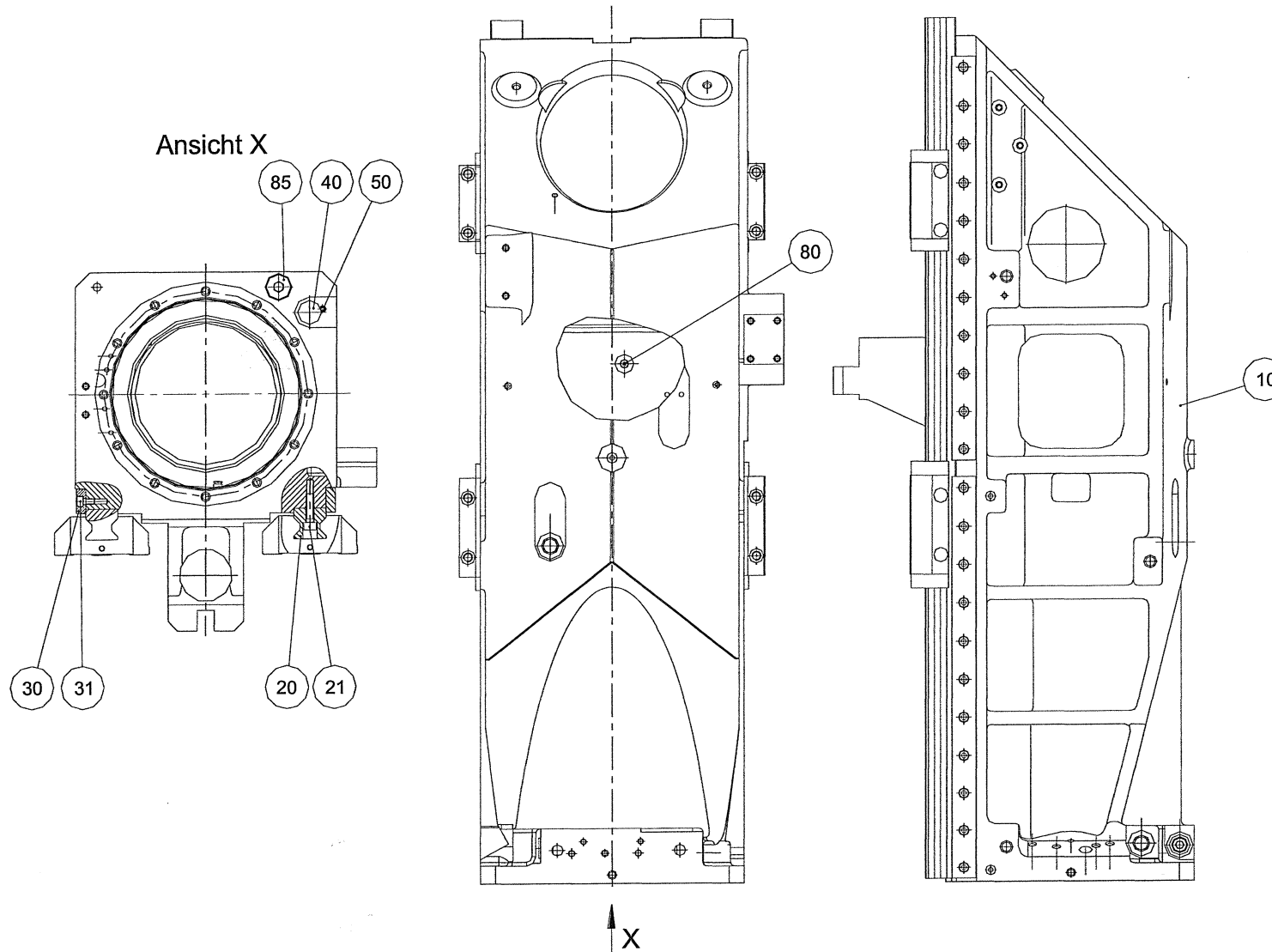
Baugruppe / Assembly group: 2376141

Seite / Page: 01.1.1.6.1-3

Zeichn.Nr. / Draw. No.: 2376141

Bl. / Page: 3 (3)





Spindelstock kpl. DMU50 // Headstock compl. DMU50

Baugruppe / Assembly group: 2376140

Seite / Page: 01.1.1.6.2-1

Zeichn.Nr. / Draw. No.: 2376140

Bl. / Page: 1 (2)

Stückliste

/

Partlist

<i>Baugruppe</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>
<i>Product-Id.</i>	<i>Designation</i>	<i>Spezifikation</i>
2376140	SPISTO <i>headstock</i>	KPL*DMU 50 KPL*DMU 50

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezifikation</i>	<i>Quantity</i>	<i>Unit</i>
10	2300864	SPISTO <i>headstock</i>	DMU50eVo lin. <i>DMU50eVo lin.</i>	1	pcs
20	2717737	LINEARFUEHRUNG <i>Linear guide</i>	MRA/B 35*903 <i>MRA/B 35*903</i>	1	st
21	26200054	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*30*12.9*912 <i>M8*30*12.9*912</i>	44	st
30	2717009	LEISTE <i>bar</i>	25*10*423 <i>25*10*423</i>	4	st
31	26050193	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*12*8.8*912 <i>M6*12*8.8*912</i>	44	st
40	27066206	VERSCHLUSSTOPFEN <i>PLASTIC PLUG</i>	GPN*300 F17*1 <i>GPN*300 F17*1</i>	1	st
50	27058265	GEWINDEBUCHSE <i>threaded insert</i>	M6*M4*6.0 <i>M6*M4*6.0</i>	3	st
80	2291202	VS-PN <i>screw connection pneumatic</i>	4*M6*1823373113 <i>4*M6*1823373113</i>	1	st
85	26059878	VERSCHLUSSCHRAUBE <i>SCREW PLUG</i>	R1/2*DIN908* <i>R1/2*DIN908*</i>	1	st

Spindelstock kpl. DMU50 // Headstock compl. DMU50

Baugruppe / Assembly group: 2376140

Seite / Page: 01.1.1.6.2-2

Zeichn.Nr. / Draw. No.: 2376140

Bl. / Page: 2 (2)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2378424	ABT add-on components	SPISTO*DMU 50 SPISTO*DMU 50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2700436	PLATTE plate	98*104*3.5 98*104*3.5	2	st
20	2700437	PLATTE plate	80*98*3.5 80*98*3.5	2	st
30	10234679	PLATTE PLATE	100*10*3.0 100*10*3.0	2	st
40	26200059	ZYL-SHR-I6KT hexagon socket screw	M10*35*12.9*912 M10*35*12.9*912	22	st
50	26200054	ZYL-SHR-I6KT hexagon socket screw	M8*30*12.9*912 M8*30*12.9*912	2	st
60	2717010	LEISTE bar	28*12*80 28*12*80	2	st
61	26050195	ZYL-SHR-I6KT hexagon socket screw	M6*16*8.8*912 M6*16*8.8*912	4	st

Anbauteile Spindelstock - nur Stückliste //

Annexe parts - Headstock - partslist only

Baugruppe / Assembly group: 2378424

Seite / Page:

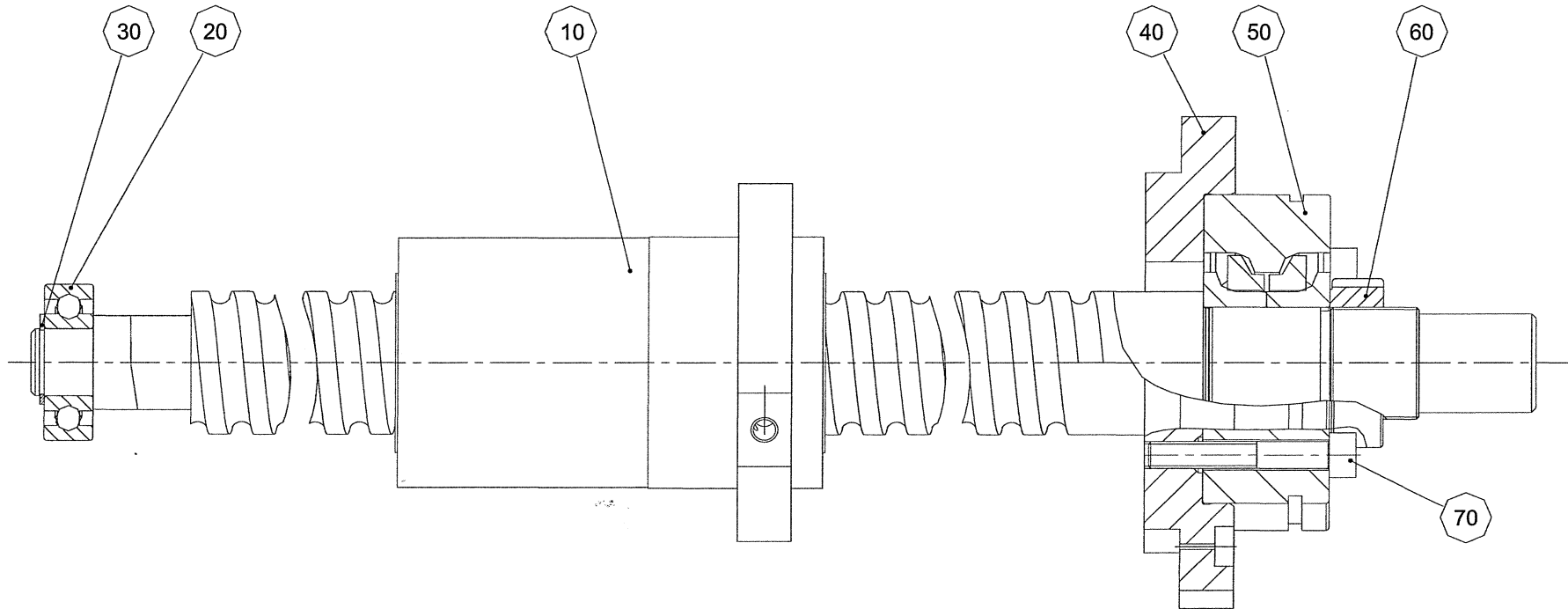
01.1.1.6.3-1

Zeichn.Nr. / Draw. No.:

enthalten in 2376143

included in 2376143 Bl. / Page: 1(1)





Vorschub Z-Achse DMU 50 // Feed drive Z-axis DMU50

Baugruppe / Assembly group: **2376142**

Seite / Page: **01.1.1.6.4-1**

Zeichn.Nr. / Draw. No.: **2376142**

Bl. / Page: **1 (2)**

Stückliste

/

Partlist

<i>Baugruppe</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>
<i>Product-Id.</i>	<i>Designation</i>	<i>Spezifikation</i>
2376142	VORSCHUB feed	Z*DMU 50 Z*DMU 50

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezifikation</i>	<i>Quantity</i>	<i>Unit</i>
10	2376251	KU-GEW-TRIEB <i>ball screw</i>	32*10*Z-ACHSE <i>32*10*Z-ACHSE</i>	1	pcs
20	27072376	RK-LAGER	6202-2ZR <i>6202-2ZR</i>	1	st
30	26050531	SICHERUNGSRING <i>LOCK RING</i>	15*1*DIN471 <i>15*1*DIN471</i>	1	st
40	2717327	FLANSCH <i>flange</i>	110*45*20 <i>110*45*20</i>	1	st
50	27077302	AX-S-KU-LAG <i>axial angular ball bearing</i>	ZKLF 2575*2RS PE <i>ZKLF 2575*2RS PE</i>	1	st
60	27083020	STELLMUTTER <i>ADJUSTING NUT</i>	MMR*M25X1.5*IBC <i>MMR*M25X1.5*IBC</i>	1	st
70	26081034	ZYL-SHR-I6KT	M6*40*DIN912*12.9 <i>M6*40*DIN912*12.9</i>	4	st

Vorschub Z-Achse DMU 50 // Feed drive Z-axis DMU50

Baugruppe / Assembly group: 2376142

Seite / Page: 01.1.1.6.4-2

Zeichn.Nr. / Draw. No.: 2376142

Bl. / Page: 2 (2)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2717320	ABT <i>add-on components</i>	Y-SCHLITTEN+SPINDELSTOCK Y-SCHLITTEN+SPINDELSTOCK

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	26200058	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*30*12.9*912 <i>M10*30*12.9*912</i>	16	st
20	26200053	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*12.9*912 <i>M8*25*12.9*912</i>	8	st
30	2717010	LEISTE <i>bar</i>	28*12*80 <i>28*12*80</i>	2	st
31	26050195	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*16*8.8*912 <i>M6*16*8.8*912</i>	4	st

Anbauteile Y-Schlitten und Spindelstock -- nur Stückliste
Annexe parts for slide Y-axis and headstock -- partslist only

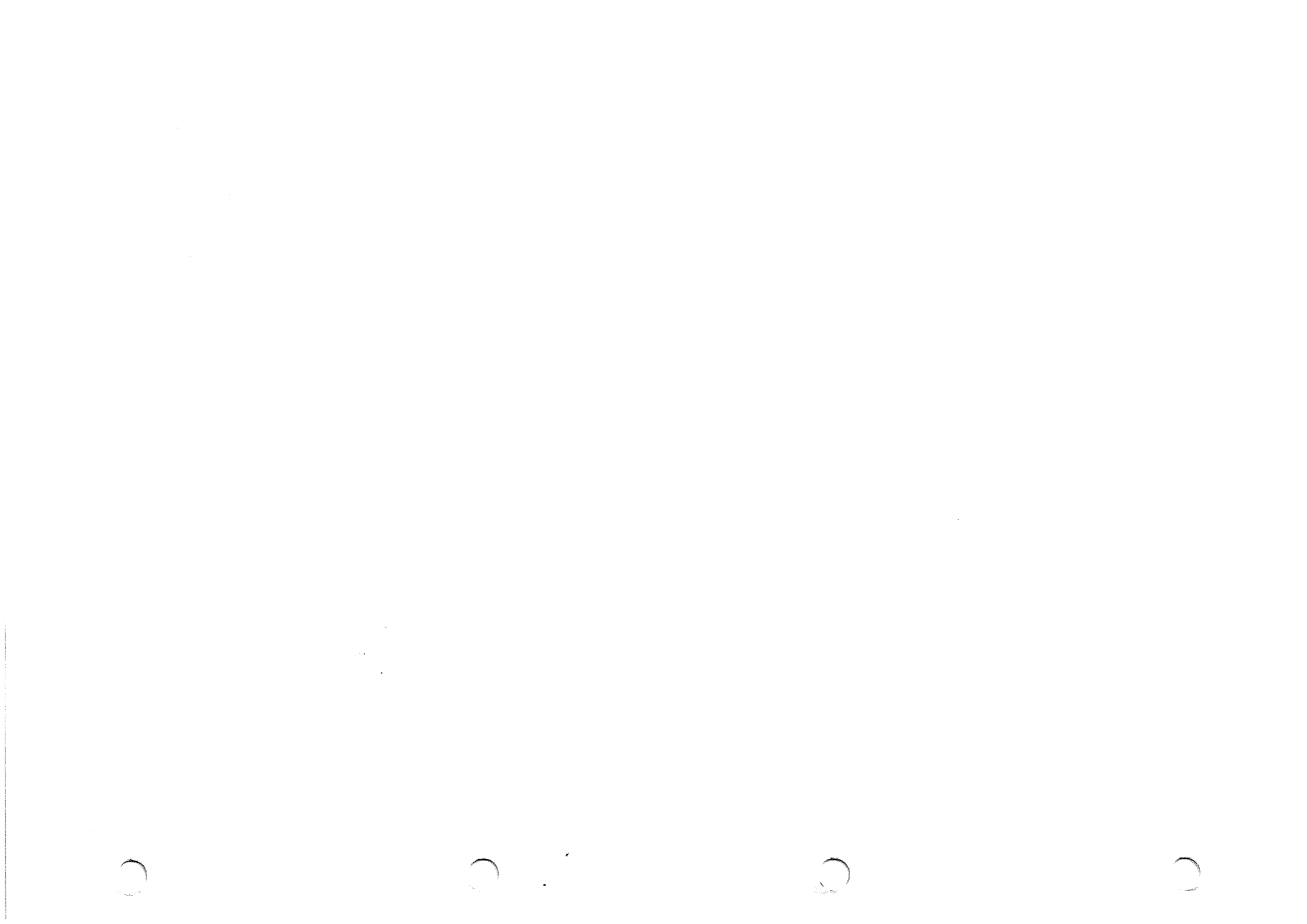
Baugruppe / Assembly group: **2717320**

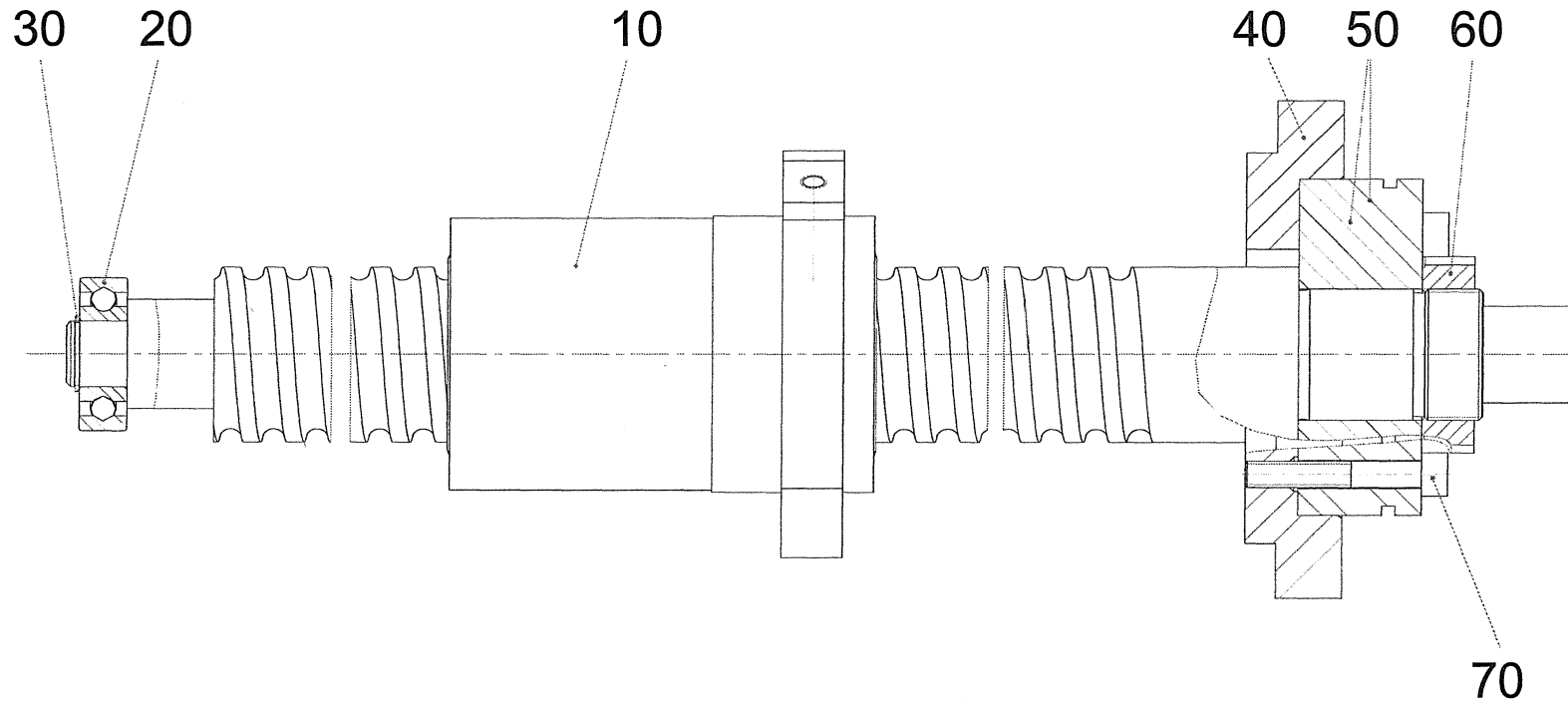
Seite / Page: **01.1.1.7-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2627893

included in 2627893Bl. / Page: 1 (1)





Vorschub Y-Achse DMU50 // Feed drive Y-axis DMU50

Baugruppe / Assembly group: **2723426**

Seite / Page: **01.1.1.8-1**

Zeichn.Nr. / Draw. No.: **2723426**

Bl. / Page: **1 (2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezifikation
2723426	VORSCHUB feed	Y * DMU50 Y * DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezifikation	Menge Quantity	Einh. Unit
10	2717041	KUGELGEW-TRIEB ball screw	40*10*Y-ACHSE 40*10*Y-ACHSE	1	st
20	27072376	RK-LAGER	6202-2ZR 6202-2ZR	1	st
30	26050531	SICHERUNGSRING LOCK RING	15*1*DIN471 15*1*DIN471	1	st
40	2717049	FLANSCH flange	116*48*22 116*48*22	1	st
50	2714195	AX-S-KUG-LAG axial angular ball bearing	ZKLF*3080*2RS*PE ZKLF*3080*2RS*PE	1	st
60	27077210	STELLMUTTER ADJUSTING NUT	MMR*M30X1.5*IBC MMR*M30X1.5*IBC	1	st
70	26081034	ZYL-SHR-I6KT	M6*40*DIN912*12.9 M6*40*DIN912*12.9	6	st

Vorschub Y-Achse DMU50 // Feed drive Y-axis DMU50

Baugruppe / Assembly group: 2723426

Seite / Page: 01.1.1.8-2

Zeichn.Nr. / Draw. No.: 2723426

Bl. / Page: 2 (2)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2717321	ABT <i>add-on components</i>	Y-VORSCHUB Y-VORSCHUB

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezification</i>	<i>Quantity</i>	<i>Unit</i>
10	26050199	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*20*8.8*912 M6*20*8.8*912	5	st
20	26200054	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*30*12.9*912 M8*30*12.9*912	8	st

Anbauteile Vorschub Y-Achse DMU50 -- nur Stückliste
Annexe parts for feed drive Y-axis DMU50 -- partslist only

Baugruppe / Assembly group: **2717321**

Seite / Page: **01.1.1.9-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2627893

included in 2627893

Bl. / Page: **1(1)**

0.

0

0

0

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2728926	ABT add-on components	BETT*RUMPFMASCHINE BETT*RUMPFMASCHINE

<i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	26050926	ZYL-SHR-I6KT	M16*55*DIN912*8.8 M16*55*DIN912*8.8	4	st

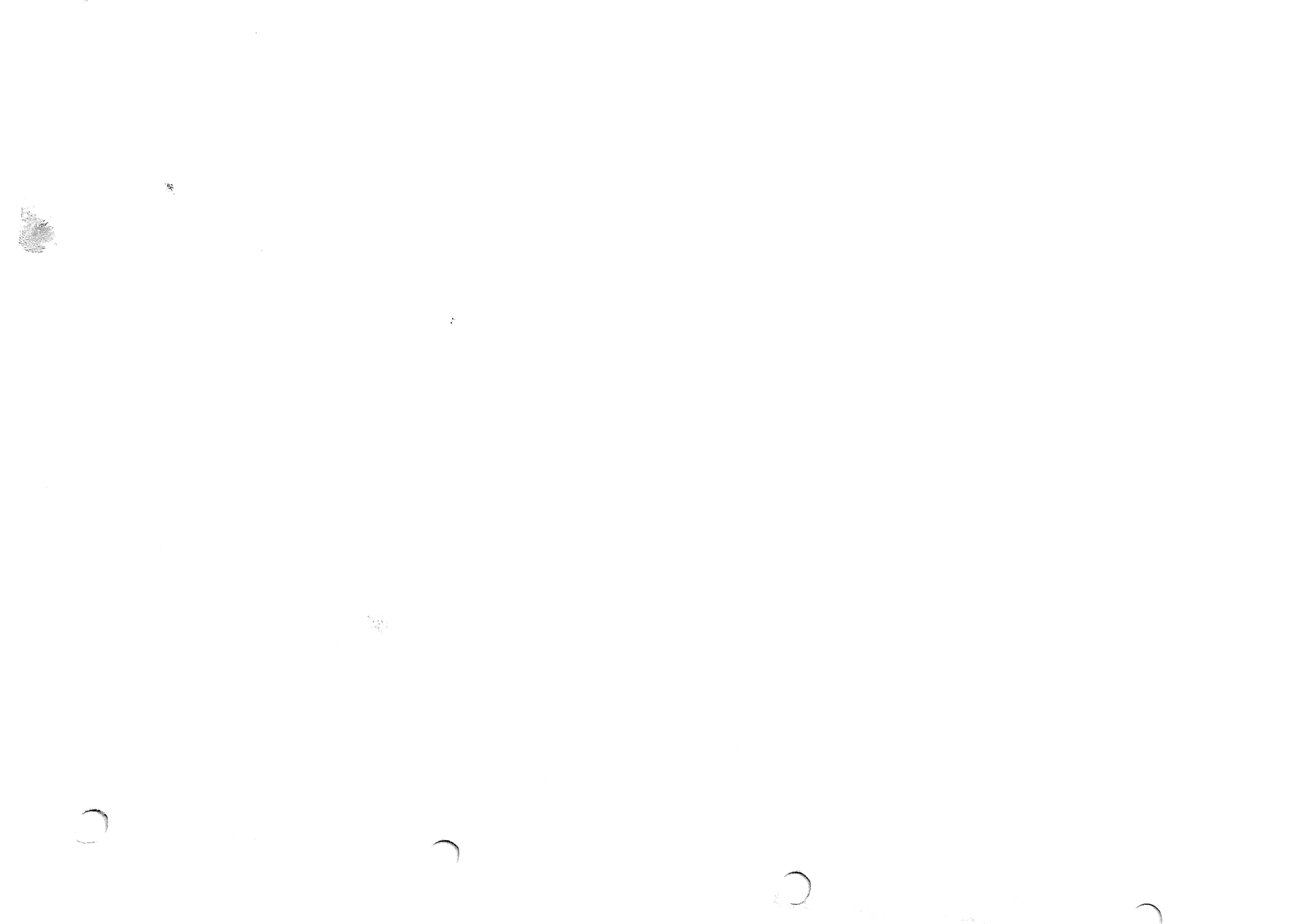
Anbauteile Bett Rumpfmachine -- nur Stückliste

Annexe parts - machine bed of basic machine -- partslist only

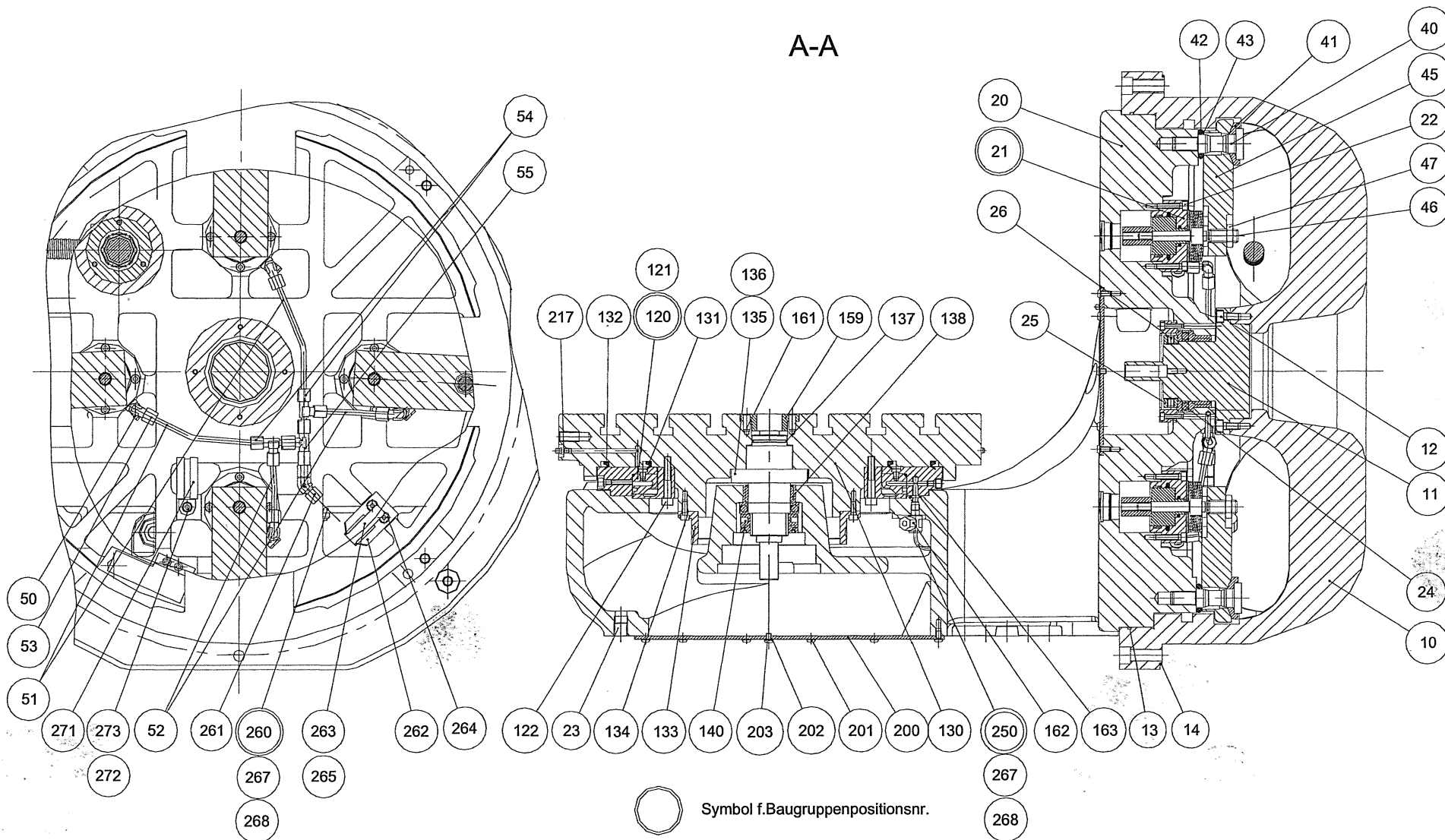
Baugruppe / Assembly group: **2728926**Seite / Page: **01.2-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2627786**included in 2627786**Bl. / Page: **1(1)**



A-A



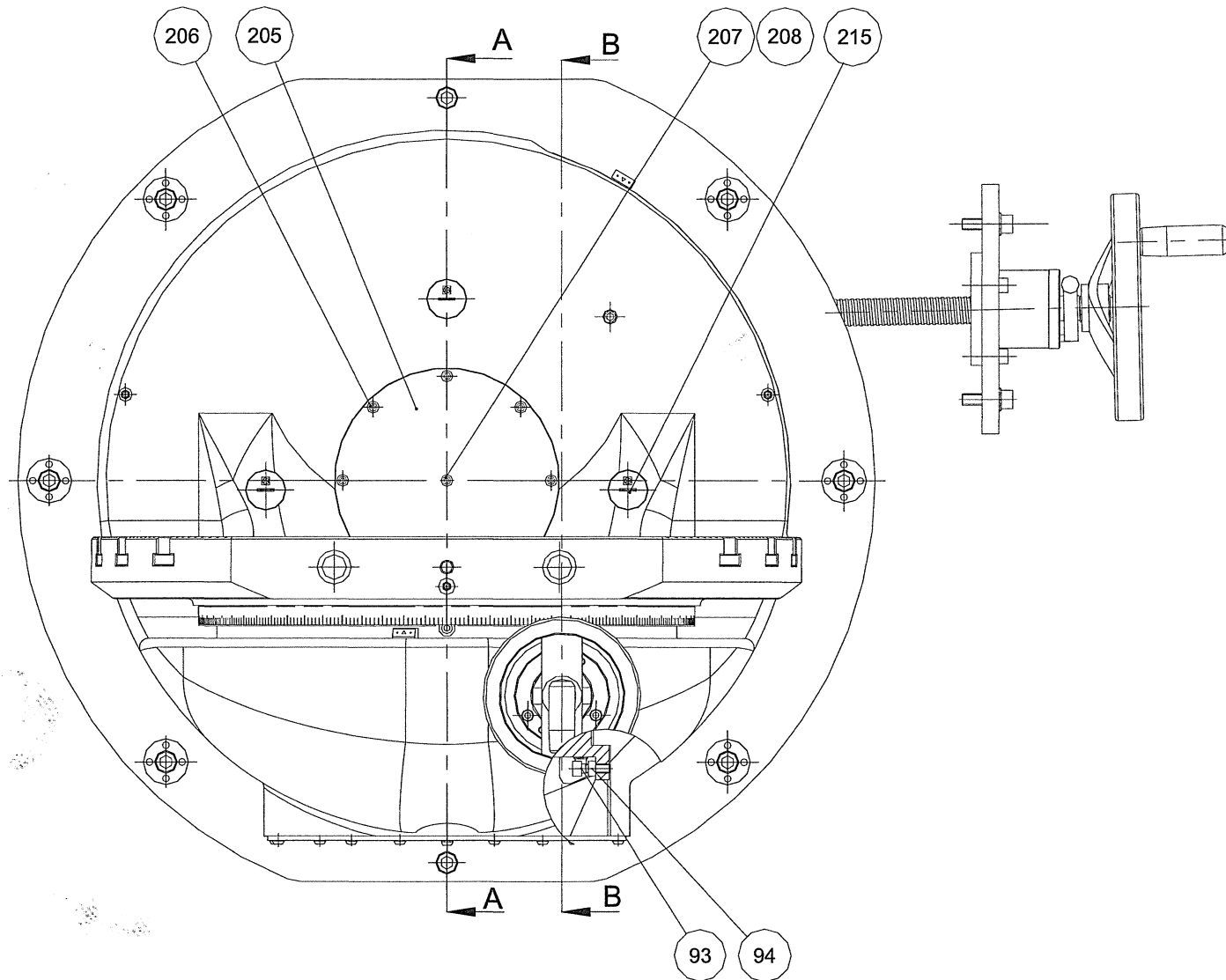
Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: 2609734

Seite / Page: 01.3-1

Zeichn.Nr. / Draw. No.: 2609734

Bl. / Page: 1 (11)



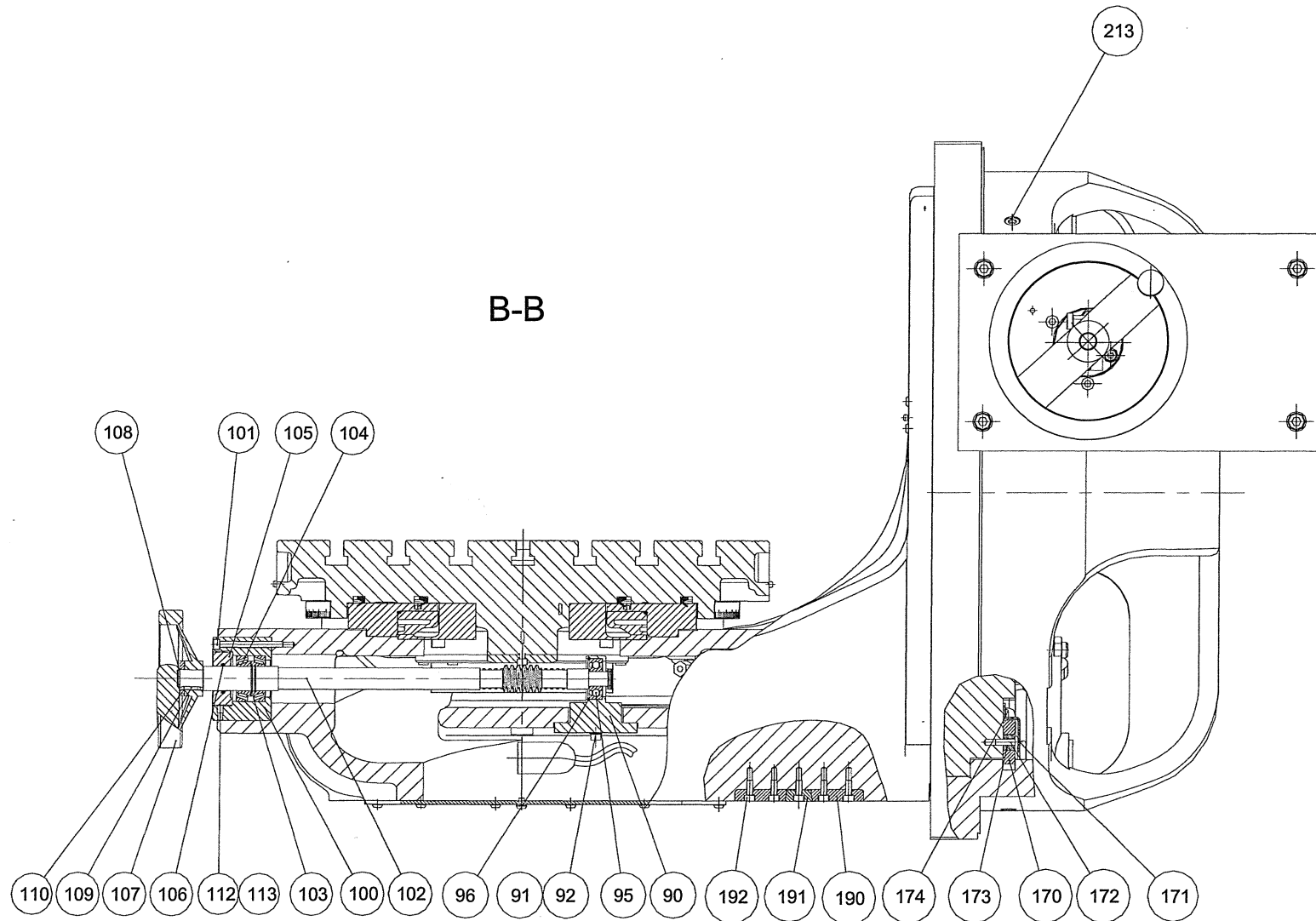
Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: **2609734**

Seite / Page: **01.3-2**

Zeichn.Nr. / Draw. No.: **2609734**

Bl. / Page: **2 (11)**



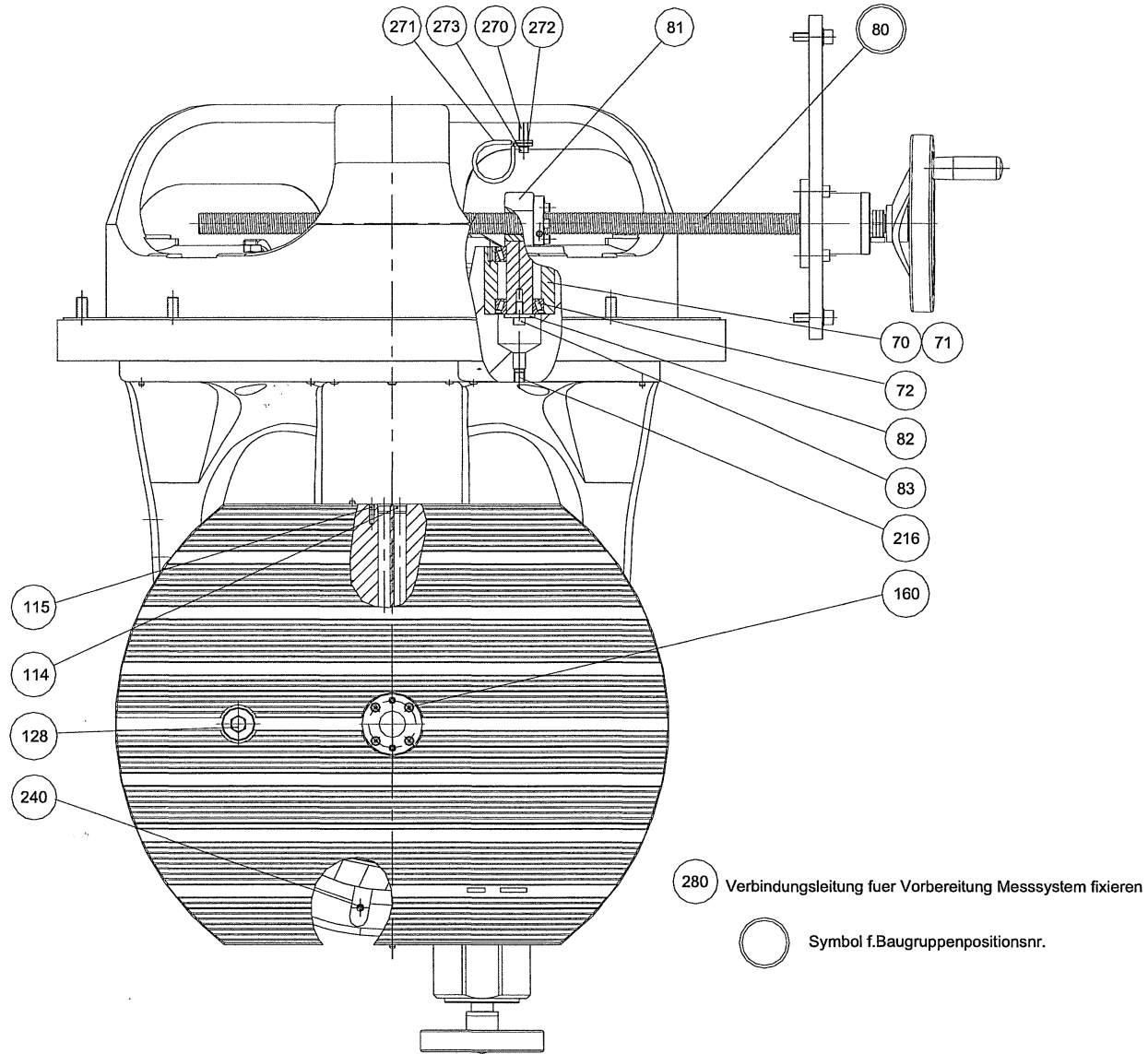
Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: **2609734**

Seite / Page: **01.3-3**

Zeichn.Nr. / Draw. No.: **2609734**

Bl. / Page: **3 (11)**



Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: **2609734**

Seite / Page: **01.3-4**

Zeichn.Nr. / Draw. No.: **2609734**

Bl. / Page: **4 (11)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2609734	SCHWENK-RD-TISCH Swivelling rotary table	MAN.

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2500905	TRAEGER Carrier	RD-TISCH	1	pcs
11	2721687	ZENTRIERFLANSCH Centering flange	KONSOLE	1	st
12	26080882	ZYL-SHR-I6KT Hexagon socket cap screw	M8*18*12.9*912	8	st
13	2723205	DICHTPROFIL seal profile	FILZ*1900x4x3*TG12	1	pcs
14	27054496	RUNDSCHNURGUMMI O-RUBBER	D=3,0MM	1,93	m
20	2377989	KONSOLE Console	Rundtisch DMU50 man	1	pcs
21	2726770	ZYLINDER Cylinder	KLEMMUNG RT	4	st
22	26050203	ZYL-SHR-I6KT Hexagon socket cap screw	M6*30*8.8*912	16	st
23	26051608	GEWINDESTIFT-DIN hex-socket set screw	M16*16*DIN913	3	st
24	27076942	NADEL-AXIALKUGELLAGER needle thrust ball gear	NKX 70	1	st
25	2426081	STELLMUTTER Adjusting nut	MMR*M65*RADIAL	1	st
26	2310888	DRUCKSTUECK thrust pad	D=6.5x3	4	pcs
40	2599811	BOLZEN bolt	36*22*72.9	4	pcs
41	2488563	SEGMENT Segment	TISCHKLEMMUNG	4	pcs

Schwenkrundtisch - manuell // Manual rotary table with swivel axis
Baugruppe / Assembly group: **2609734**Seite / Page: **01.3-5**Zeichn.Nr. / Draw. No.: **2609734**Bl. / Page: **5 (11)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
42	2723039	O-RING O-ring	22.5*6*NBR*80SH	4	st
43	2405637	PASSSCHEIBE Adjusting washer	22*30*1*DIN988	4	st
45	2718871	KLEMMSEGMENT Clamping segment	RUNDTISCH	4	st
46	2719428	AUFLAGEBOLZEN supporting bolt	M16*35*NLM02008	4	st
47	022040011	6KT-MUTTER Hexagon nut	M16*-*BR*439	4	st
50	2296512	VS-HY Screw connection hydraulic	SWVE*6-PLR	4	st
51	2721246	ROHR-GEBO Pipe bent	6x1	2	st
52	2721247	ROHR-GEBO Pipe bent	6x1	2	st
53	27054426	VS-HY Screw connection hydraulic	EVW*06*L*A3C	4	st
54	27055029	VS-HY Screw connection hydraulic	EVL*06*L*A3C	2	st
55	27055036	VERSCHRAUBUNG-HYDR. THREADED CONNECTION	T*6*PL	1	st
70	2716552	BUCHSE bush	80*0*50*76	1	st
71	26050219	ZYL-SHR-I6KT Hexagon socket cap screw	M6*80*8.8*912	3	st
72	27054217	KEGELROLLENLAGER TAPER ROLLER BEARING	32006X	2	st
80	2717345	ANTRIEB drive	B-ACHSE DMU50M/T	1	st
81	2716571	FLANSCH Flange	MUTTER	1	st
82	10211081	SCHEIBE	35*8.4*4	1	st

Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: 2609734

Seite / Page: 01.3-6

Zeichn.Nr. / Draw. No.: 2609734

Bl. / Page: 6 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
83	26080882	Washer ZYL-SHR-I6KT	M8*18*12.9*912	1	st
90	2716678	Hexagon socket cap screw LAGERBOCK	SCHNECKENRITZEL	1	st
91	26050629	Bearing block SCHEIBE	12.5*6.4*1.6*B*125	3	st
92	26200046	Washer ZYL-SHR-I6KT	M6*20*12.9*912	3	st
93	26050227	Hexagon socket cap screw ZYL-SHR-I6KT	M8*25*8.8*912	1	st
94	26050430	Hexagon socket cap screw 6KT-MUTTER	M8*8.8*934	1	st
95	27200153	Hexagon nut RK-LAGER	6302-2RS	1	st
96	26050559	SICHERUNGSRING LOCK RING	42*1.75*DIN472	1	st
100	2716553	BUCHSE bush	85*0*38*60	1	st
101	26081142	ZYL-SHR-I6KT Hexagon socket cap screw	M6*65*12.9*912	3	st
102	2716760	SCHNECKE Worm	SCHNECKENWELLE	1	st
103	26050545	SICHERUNGSRING LOCK RING	25*1.2*DIN471	2	st
104	2716980	KEG-ROL-LAG Taper roller bearing	25*47*15*32005X	2	st
105	2717272	STELLMUTTER Adjusting nut	SPEZ*M56*AXIAL	1	st
106	2711052	O-RING O-ring	25*3*NBR*70SH	1	st
107	2540410	HANDRAD Hand wheel	140*18*GN322.3*K-R	1	pcs

Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: 2609734

Seite / Page: 01.3-7

Zeichn.Nr. / Draw. No.: 2609734

Bl. / Page: 7 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
108	26050535	SICHERUNGSRING LOCK RING	18*1.2*DIN471	1	st
109	26051053	PASSFEDER FEATHER KEY	A*6*6*20*DIN6885	1	st
110	2551891	RING Ring	36*18*5	1	pcs
112	14058480	SCHEIBE Washer	4.5*0.0*2.0	3	st
113	26050087	GEWINDESTIFT-DIN hex-socket set screw	M6*8*DIN913*4	3	st
114	14025568	STOPFEN	14 X 8	2	st
115	26050083	GEWINDESTIFT-DIN hex-socket set screw	M6*6*DIN913*4	2	st
120	2524604	KLEMMRING Clamping ring	RT*C-ACHSE	1	pcs
121	26200395	ZYL-SHR-I6KT Hexagon socket cap screw	M12*40*12.9*912	6	st
122	26074251	ZYL-SHR-I6KT Hexagon socket cap screw	M8*50*12.9*912	8	st
128	26051314	VERSCHL-SHR Screw plug	M30*1.5*ST*908	1	st
130	2377987	TISCHPLATTE Table plate	500x630	1	pcs
131	2717347	DICHTRING seal ring	TWVL-02750-N6*V-SEAL	1	st
132	2713271	DICHTRING seal ring	TWVL-03750-N6*V-SEAL	1	st
133	2716745	SCHNECKENRAD Worm gear	RT	1	st
134	26200045	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*12.9*912	8	st
135	2492641	ZENTRIERFLANSCH TISCHLAGERUNG		1	pcs

Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: 2609734

Seite / Page: 01.3-8

Zeichn.Nr. / Draw. No.: 2609734

Bl. / Page: 8 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
136	26080883	Centering flange ZYL-SHR-I6KT	M8*22*DIN912*12.9	4	st
137	27069971	O-RING	OR38*2.0	1	st
138	2495750	O-RING NAD-AX-KU-LAG	50*62*35*NKX50	1	pcs
140	27080877	Needle thrust ball bearing STELLMUTTER	MSR*45X1.5*SPIETH	1	st
159	14045570	ADJUSTING NUT BUCHSE	69 X 42 X 30 X 20	1	st
160	26050196	ZYL-SHR-I6KT	M6*16*8.8*6912	4	st
161	26059630	Hexagon socket cap screw ZYL-STIFT-IGW	C*8*20*DIN7979*S	2	st
162	2296512	VS-HY	SWVE*6-PLR	1	st
163	27080801	Screw connection hydraulic O-RING	8*3.0	1	st
170	2716744	O-RING LEISTE	40*12*125	1	st
171	2716612	Bar BLECH	WINKEL	1	st
172	26050732	sheet ZYLINDERSTIFT	6*M6*20*DIN7	4	st
173	2409571	straight pin URELASTFEDER	1612*U*EFFBE	4	st
174	27072971	Urelast spring LI-SHR-I6KT	M6*8*10.9*7380	2	st
190	2729195	Hexagon rounded head screw SEGMENT	WINKELKORREKTUR	4	st
191	2729196	Segment SEGMENT Segment	WINKELKORREKTUR	2	st

Schwenkrundtisch - manuell // Manual rotary table with swivel axis
Baugruppe / Assembly group: **2609734**Seite / Page: **01.3-9**Zeichn.Nr. / Draw. No.: **2609734**Bl. / Page: **9 (11)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
192	26200045	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*12.9*912	10	st
200	2497907	DECKEL cover	KONSOLE	1	pcs
201	27065213	LI-SHR-I6KT Hexagon rounded head screw	M6*10*10.9*7380	13	st
202	26051750	DICHTRING-FLACH seal ring, flat	A*6.5*9.5*1*DI	1	st
203	27072971	LI-SHR-I6KT Hexagon rounded head screw	M6*8*10.9*7380	1	st
205	2497771	DECKEL-RU cover round	199*0*4	1	pcs
206	27068040	LI-SHR-I6KT Hexagon rounded head screw	M6*12*10.9*7380	8	st
207	27072971	LI-SHR-I6KT Hexagon rounded head screw	M6*8*10.9*7380	1	st
208	26051750	DICHTRING-FLACH seal ring, flat	A*6.5*9.5*1*DI	1	st
213	26075153	ZYL-STIFT-IGW	C*16*32*7979*ST	2	st
215	2726194	STOPFEN plug electrical	BLIND*M32x1.5*MS	4	st
216	26050815	GEWINDESTIFT-DIN hex-socket set screw	M12*12*DIN913	1	st
217	26064962	SCHMIERNIPPEL-DIN GREASE NIPPLE	A*6*DIN71412	4	st
240	26050111	GEWINDESTIFT-DIN hex-socket set screw	M8*8*DIN913*4	1	st
250	2502759	H-LTG-DIN Hydraulic line	6L*6L*3000*5*1*DKO	1	pcs
260	2605149	H-LTG-DIN Hydraulic line	6L*6L*2500*5*1*DKO	1	pcs
261	2375804	VS-HY	EV06LA3C	1	pcs

Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: 2609734

Seite / Page: 01.3-10

Zeichn.Nr. / Draw. No.: 2609734

Bl. / Page: 10 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
262	2605197	Screw connection hydraulic BLECH	WINKEL	1	pcs
263	2280717	metal sheet LI-FLAN-SHR	M6*12*BR*WN7381	2	st
264	27070325	Rounded flange head screw SYSTEM-HALTER	SFH-21	1	st
265	26050190	SYSTEM-HOLDER ZYL-SHR-I6KT	M6*10*8.8*912	1	st
267	2729831	Hexagon socket cap screw SCHUTZSCHLAUCH	GRS*23,7/31,3	,12	m
268	2729831	Cable protective hose SCHUTZSCHLAUCH	GRS*23,7/31,3	,26	m
270	27072144	Cable protective hose ABSTANDBOLZEN	M6*20*FORM B	1	pcs
271	27081489	distance bolt ROHRSCHELLE	RSGU 1*40/20-W1*RA	2	st
272	26050629	Pipe clamp SCHEIBE	12.5*6.4*1.6*B*125	2	st
273	26050193	Washer ZYL-SHR-I6KT	M6*12*8.8*912	2	st
275	2729494	Hexagon socket cap screw PASSCHEIBE	15*21*0.2*988	4	st
280	2374652	Adjusting washer VERB-LTG	-*M23 17P*SUB-D15P*4m	2	pcs
		Connection line			

Schwenkrundtisch - manuell // Manual rotary table with swivel axis

Baugruppe / Assembly group: 2609734

Seite / Page: 01.3-11

Zeichn.Nr. / Draw. No.: 2609734

Bl. / Page: 11 (11)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezifikation</i>
2724593	ABT <i>add-on components</i>	SRT SRT

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezifikation</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2723059	GEWINDEHUELSE <i>threaded/tapped bush</i>	M30x1.5*D12 <i>M30x1.5*D12</i>	6	st
11	2723058	SCHEIBE <i>disk</i>	39.8*12*29 <i>39.8*12*29</i>	6	st
12	26080889	ZYL-SHR-I6KT	M12*60*DIN912*12. <i>M12*60*DIN912*12.</i>	8	st
13	2729523	SCHEIBE <i>disk</i>	19.5*13*4 <i>19.5*13*4</i>	1	st

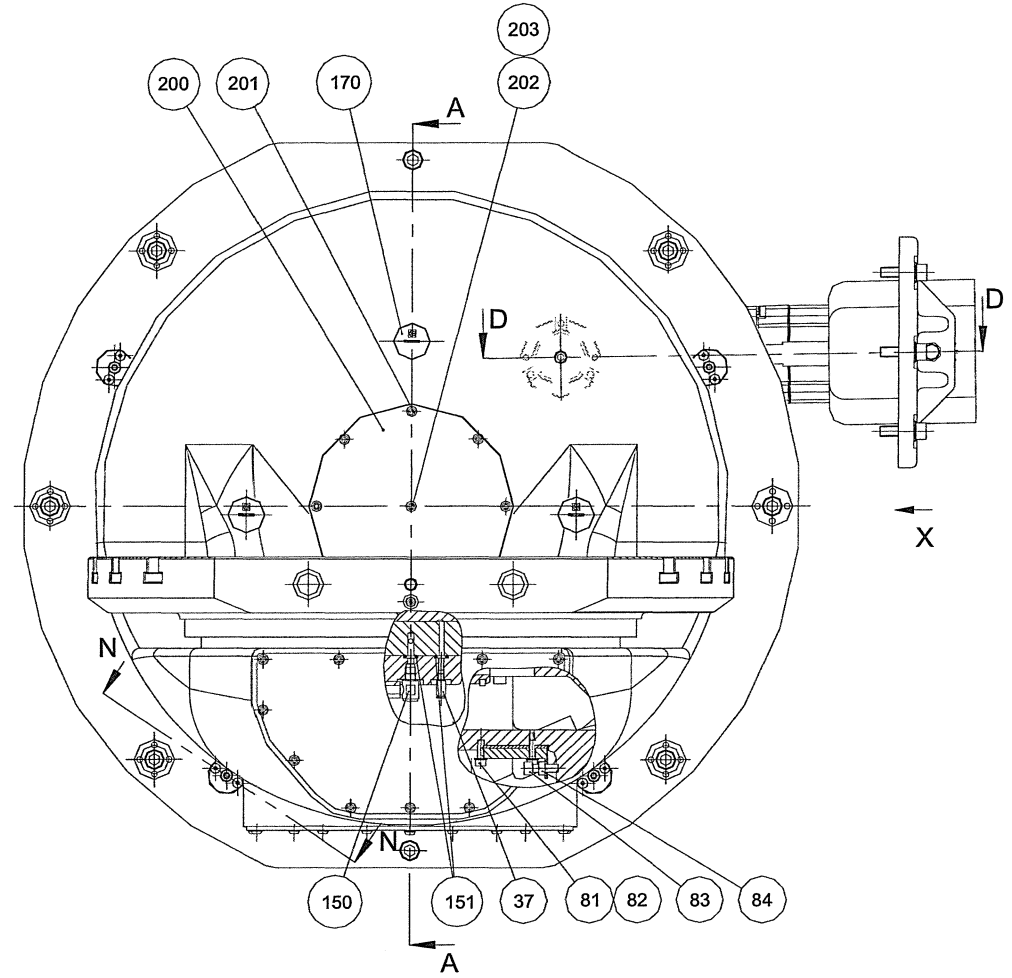
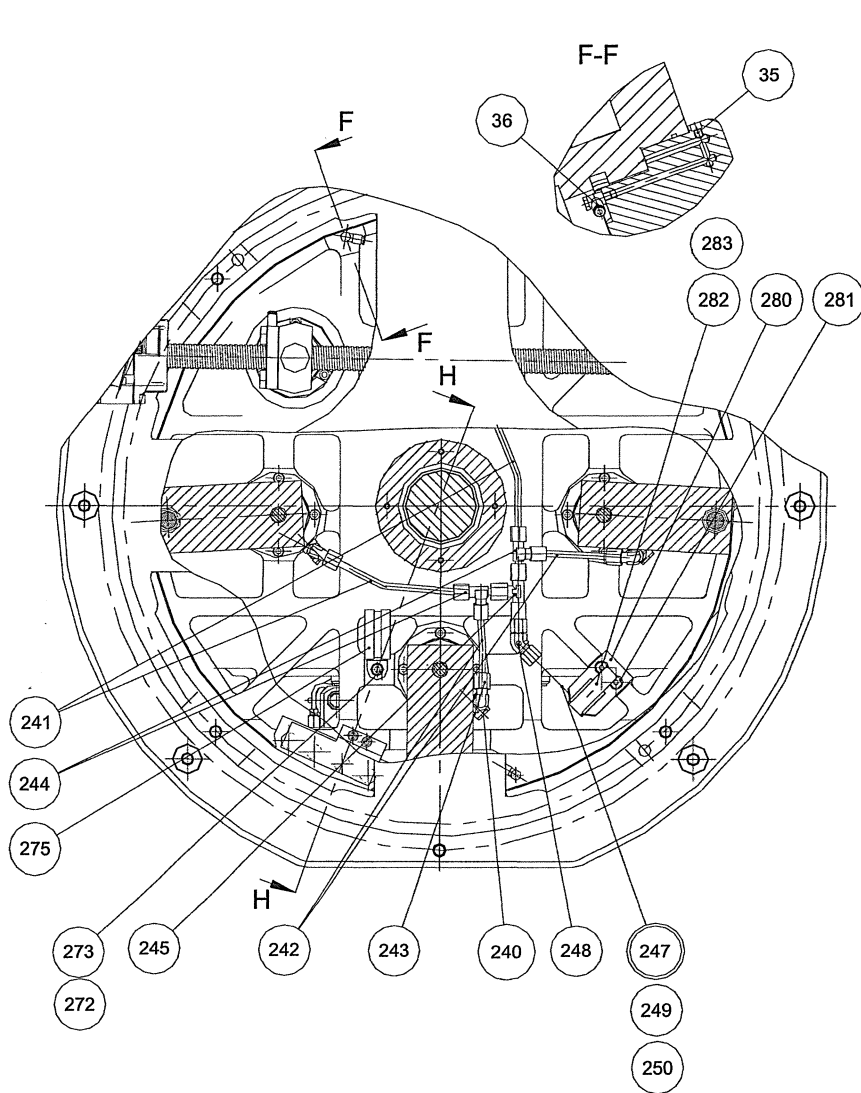
Anbauteile Schwenkrundtisch -- nur Stückliste


Annexe parts - Rotary table with swivel axis -- partslist only

Baugruppe / Assembly group: **2724593**Seite / Page: **01.4-1**

Zeichn.Nr. / Draw. No.:

Bl. / Page: **1(1)**




 Symbol f. Baugruppenposition
 Pos.251 2730413 Schutzschlauch nicht dargestellt

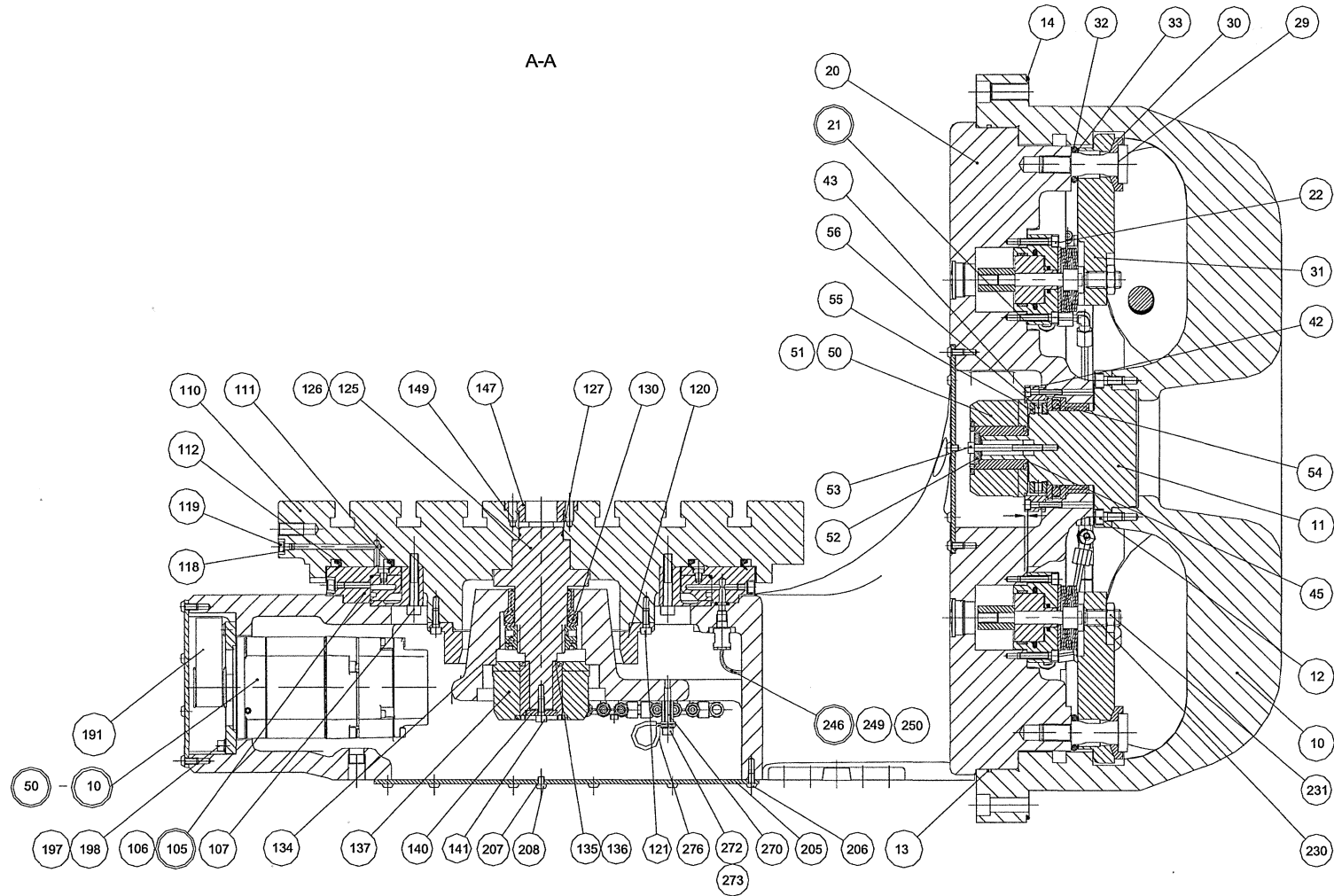
Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: **2609730**

Seite / Page: **01.5-1**

Zeichn.Nr. / Draw. No.: **2609730**

Bl. / Page: **1 (13)**



Symbol f. Baugruppenposition

Pos. ... in Stueeli 99.45..05

Pos.50... BG 2608463 ZBS*MILL+TNC*SRT*MOT*DMU50 Pos.30,40,50 nicht dargestellt

Pos.50... BG 2608464 ZBS*840D*SRT*MOT*DMU50 Pos.30,40,50 nicht dargestellt

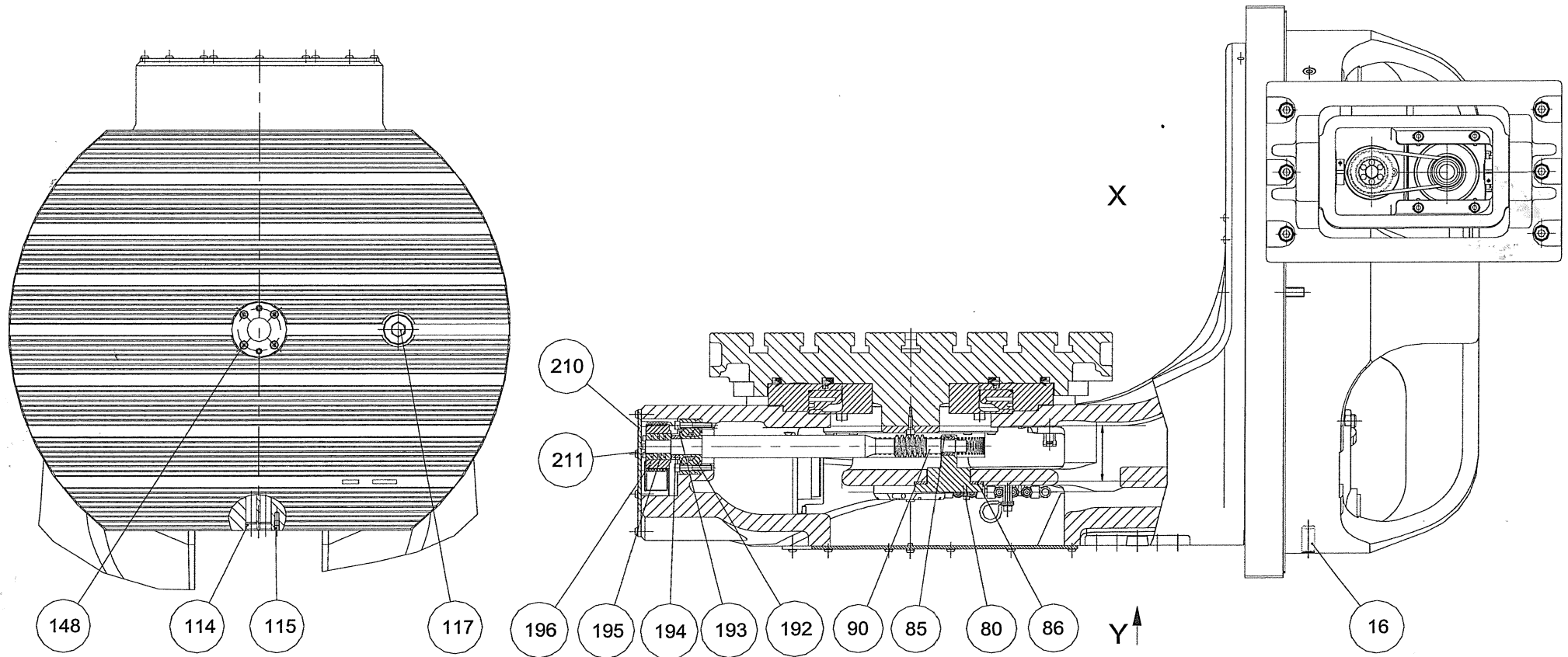
Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: **2609730**

Seite / Page: **01.5-2**

Zeichn.Nr. / Draw. No.: **2609730**

Bl. / Page: **2 (13)**



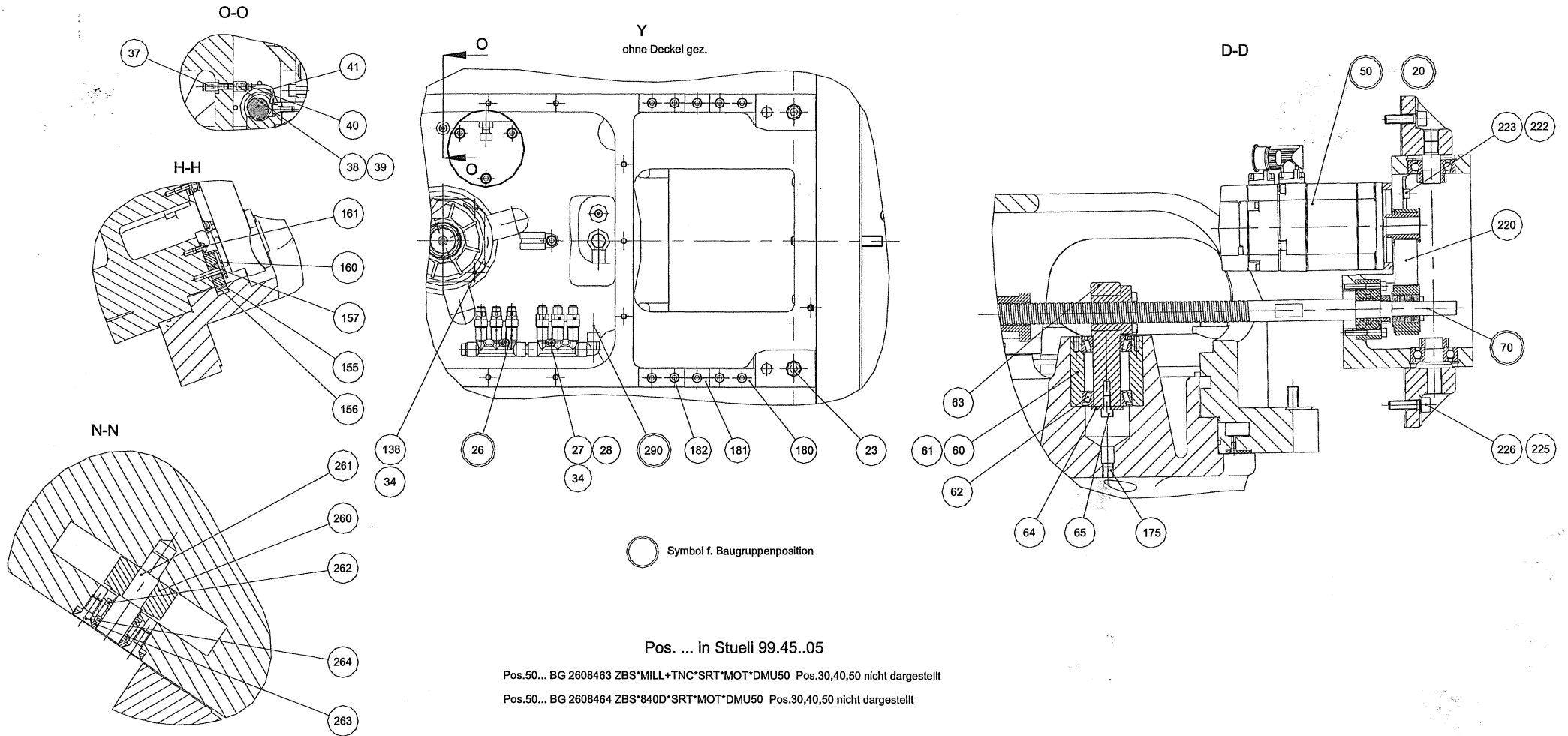
Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: **2609730**

Seite / Page: **01.5-3**

Zeichn.Nr. / Draw. No.: **2609730**

Bl. / Page: **3 (13)**



Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-4

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 4 (13)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2609730	SCHWENK-RD-TISCH Swivelling rotary table	MOTOR

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2497770	TRAEGER Carrier	RD-TISCH	1	pcs
11	2721687	ZENTRIERFLANSCH Centering flange	KONSOLE	1	st
12	26080882	ZYL-SHR-I6KT Hexagon socket cap screw	M8*18*12.9*912	8	st
13	2723205	DICHTPROFIL seal profile	FILZ*1900x4x3*TG12	1	pcs
14	27054496	RUNDSCHNURGUMMI O-RUBBER	D=3,0MM	1,93	m
16	26075153	ZYL-STIFT-IGW	C*16*32*7979*ST	2	st
20	2377988	KONSOLE Console	Rundtisch DMU50 auto	1	pcs
21	2726770	ZYLINDER Cylinder	KLEMMUNG RT	4	st
22	26050203	ZYL-SHR-I6KT Hexagon socket cap screw	M6*30*8.8*912	16	st
23	26051608	GEWINDESTIFT-DIN hex-socket set screw	M16*16*DIN913	3	st
26	2492870	VERTEILER Distributor	RUNDTISCH*DMU50	1	pcs
27	26050623	SCHEIBE Washer	9*4.3*0.8*A*125*ST-BR	2	st
28	26065547	ZYL-SHR-I6KT Hexagon socket cap screw	M4*20*12.9*912	2	st
29	2599811	BOLZEN bolt	36*22*72.9	4	pcs

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)Baugruppe / Assembly group: **2609730**Seite / Page: **01.5-5**Zeichn.Nr. / Draw. No.: **2609730**Bl. / Page: **5 (13)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
30	2488563	SEGMENT	TISCHKLEMMUNG	4	pcs
		Segment			
31	2718871	KLEMMSEGMENT	RUNDTISCH	4	st
		Clamping segment			
32	2723039	O-RING	22.5*6*NBR*80SH	4	st
		O-ring			
33	2405637	PASSSCHEIBE	22*30*1*DIN988	4	st
		Adjusting washer			
34	27058265	GEWINDEBUCHSE	M6*M4*6.0	6	st
		threaded insert			
35	26050083	GEWINDESTIFT-DIN	M6*6*DIN913*4	3	st
		hex-socket set screw			
36	2291203	VS-SM	4*1823391904*WI-SCHW.	3	st
		Screw connection lubrication			
37	2291202	VS-PN	4*M6*1823373113	3	st
		Screw connection pneumatic			
38	27051020	ANSCHL-ST	4*M6KEG.*M8X1*404 66	1	st
		connection piece			
39	27054789	DOPPELKEGELRING	4*DIN3862*MS*4	1	st
		double conical ring			
40	27054790	VS-SM	4*M8x1*404.002 ÜBERWURF.	1	st
		Screw connection lubrication			
41	2724536	ROHR-GEBO	4x1	1	st
		Pipe bent			
42	2716633	RING	120*85*21.5	1	st
		Ring			
43	26050186	ZYL-SHR-I6KT	M5*30*8.8*912	4	st
		Hexagon socket cap screw			
45	26070008	PASSSCHEIBE	22*30*0.1*DIN988	1	st
		SHIM			
50	2358946	DREHGEBER	RCN226*16384*ABS	1	pcs
		shaft encoder			
51	26050163	ZYL-SHR-I6KT	M4*16*8.8*912	4	st

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-6

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 6 (13)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
52	2272996	Hexagon socket cap screw SCHEIBE	6.4*5	1	st
53	26050215	Washer ZYL-SHR-I6KT	M6*65*8.8*912	1	st
54	27076942	Hexagon socket cap screw NADEL-AXIALKUGELLAGER	NKX 70	1	st
55	2426081	needle thrust ball gear STELLMUTTER	MMR*M65*RADIAL	1	st
56	2310888	Adjusting nut DRUCKSTUECK	D=6.5x3	4	pcs
60	2716552	thrust pad BUCHSE	80*0*50*76	1	st
61	26081203	bush ZYL-SHR-I6KT	M6*80*12.9*912	3	st
62	27054217	Hexagon socket cap screw KEGELROLLENLAGER	32006X	2	st
63	2716571	TAPER ROLLER BEARING FLANSCH	MUTTER	1	st
64	10211081	Flange SCHEIBE	35*8.4*4	1	st
65	26050223	Washer ZYL-SHR-I6KT	M8*16*8.8*912	1	st
70	2724548	Hexagon socket cap screw ANTRIEB	B-ACHSE RT MOT	1	st
80	2718987	drive LAGERBOCK	SCHNECKENRITZEL	1	st
81	26050629	Bearing block SCHEIBE	12.5*6.4*1.6*B*125	3	st
82	26200046	Washer ZYL-SHR-I6KT	M6*20*12.9*912	3	st
83	26050227	Hexagon socket cap screw ZYL-SHR-I6KT	M8*25*8.8*912	1	st
		Hexagon socket cap screw			

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-7

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 7 (13)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
84	26050430	6KT-MUTTER Hexagon nut	M8*8.8*934	1	st
85	27051455	NADELLAGER needle bearing	NK15/16	1	st
86	2727943	SCHEIBE-ABSTIMM Disk adjustment	84*53*3	1	st
90	2717917	SCHNECKE Worm	SCHNECKENWELLE MOTOR	1	st
105	2524604	KLEMMRING Clamping ring	RT*C-ACHSE	1	pcs
106	26200395	ZYL-SHR-I6KT Hexagon socket cap screw	M12*40*12.9*912	6	st
107	26074251	ZYL-SHR-I6KT Hexagon socket cap screw	M8*50*12.9*912	8	st
110	2377987	TISCHPLATTE Table plate	500x630	1	pcs
111	2717347	DICHTRING seal ring	TWVL-02750-N6*V-SEAL	1	st
112	2713271	DICHTRING seal ring	TWVL-03750-N6*V-SEAL	1	st
114	14025568	STOPFEN	14 X 8	2	st
115	26050083	GEWINDESTIFT-DIN hex-socket set screw	M6*6*DIN913*4	2	st
117	26051314	VERSCHL-SHR Screw plug	M30*1.5*ST*908	1	st
118	26051750	DICHTRING-FLACH seal ring, flat	A*6.5*9.5*1*DI	2	st
119	26080895	ZYL-SHR-I6KT	M6*8*UNBRAKO	2	st
120	2717814	SCHNECKENRAD Worm gear	RT	1	st
121	26200045	ZYL-SHR-I6KT	M6*16*12.9*912	8	st

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-8

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 8 (13)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
125	2492641	Hexagon socket cap screw ZENTRIERFLANSCH	TISCHLAGERUNG	1	pcs
126	26080883	Centering flange ZYL-SHR-I6KT	M8*22*DIN912*12.9	4	st
127	27069971	O-RING	OR38*2.0	1	st
130	2495750	NAD-AX-KU-LAG	50*62*35*NKX50	1	pcs
134	27080877	Needle thrust ball bearing STELLMUTTER	MSR*45X1.5*SPIETH	1	st
135	26070008	ADJUSTING NUT PASSSCHEIBE	22*30*0.1*DIN988	2	st
136	2728381	SHIM PASSSCHEIBE	22*30*0.3*988	1	st
137	2358946	Adjusting washer DREHGEBER	RCN226*16384*ABS	1	pcs
138	26050163	shaft encoder ZYL-SHR-I6KT	M4*16*8.8*912	4	st
140	2272996	Hexagon socket cap screw SCHEIBE	6.4*5	1	st
141	26050195	Washer ZYL-SHR-I6KT	M6*16*8.8*912	1	st
147	14045570	Hexagon socket cap screw BUCHSE	69 X 42 X 30 X 20	1	st
148	26050196	ZYL-SHR-I6KT	M6*16*8.8*6912	4	st
149	26059630	Hexagon socket cap screw ZYL-STIFT-IGW	C*8*20*DIN7979*S	2	st
150	2296512	VS-HY	SWVE*6-PLR	1	st
151	27080801	Screw connection hydraulic O-RING O-RING	8*3.0	2	st

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)
Baugruppe / Assembly group: **2609730**Seite / Page: **01.5-9**Zeichn.Nr. / Draw. No.: **2609730**Bl. / Page: **9 (13)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
155	2728030	LEISTE Bar	40*12*117	1	st
156	26050732	ZYLINDERSTIFT straight pin	6*M6*20*DIN7	4	st
157	2409571	URELASTFEDER Urelast spring	1612*U*EFFBE	4	st
160	2716612	BLECH sheet	WINKEL	1	st
161	27072971	LI-SHR-I6KT Hexagon rounded head screw	M6*8*10.9*7380	2	st
170	2726194	STOPFEN plug electrical	BLIND*M32x1.5*MS	4	st
175	26050815	GEWINDESTIFT-DIN hex-socket set screw	M12*12*DIN913	1	st
180	2729195	SEGMENT Segment	WINKELKORREKTUR	4	st
181	2729196	SEGMENT Segment	WINKELKORREKTUR	2	st
182	26200045	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*12.9*912	10	st
191	2717875	ZAHNRIEMEN Tooth belt	HTD*325*5M*25	1	st
192	2260705	AX-S-KU-LAG axial angular ball bearing	ZKLF 2068*2RS PE	1	st
193	26081034	ZYL-SHR-I6KT Hexagon socket cap screw	M6*40*12.9*912	4	st
194	27064705	STELLMUTTER ADJUSTING NUT	MRR 20*M20X1*KUSO	1	st
195	27077145	DRUCKHUELSE	DSK16.32	1	st
196	2717915	ZA-SHB Serrated lock washer	5M*35*32*25*HTD	1	st
197	26050629	SCHEIBE	12.5*6.4*1.6*B*125	4	st

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-10

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 10 (13)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
198	26200046	Washer ZYL-SHR-I6KT	M6*20*12.9*912	4	st
200	2497771	Hexagon socket cap screw DECKEL-RU	199*0*4	1	pcs
201	27068040	cover round LI-SHR-I6KT	M6*12*10.9*7380	8	st
202	27072971	Hexagon rounded head screw LI-SHR-I6KT	M6*8*10.9*7380	1	st
203	26051750	Hexagon rounded head screw DICHRING-FLACH	A*6.5*9.5*1*DI	1	st
205	2497907	seal ring, flat DECKEL	KONSOLE	1	pcs
206	27065213	cover LI-SHR-I6KT	M6*10*10.9*7380	13	st
207	26051750	Hexagon rounded head screw DICHRING-FLACH	A*6.5*9.5*1*DI	1	st
208	27072971	seal ring, flat LI-SHR-I6KT	M6*8*10.9*7380	1	st
210	2497913	Hexagon rounded head screw DECKEL	KONSOLE	1	pcs
211	27068040	cover LI-SHR-I6KT	M6*12*10.9*7380	12	st
220	2717875	Hexagon rounded head screw ZAHNRIEMEN	HTD*325*5M*25	1	st
222	26050629	Tooth belt SCHEIBE	12.5*6.4*1.6*B*125	4	st
223	26056991	Washer ZYL-SHR-I6KT	M6*22*DIN912*8.8	4	st
225	26050634	SCHEIBE	21*10.5*2*B*DIN125	6	st
226	26050246	Washer ZYL-SHR-I6KT	M10*35*8.8*912	6	st
		Hexagon socket cap screw			

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-11

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 11 (13)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
230	2719428	AUFLAGEBOLZEN supporting bolt	M16*35*NLM02008	4	st
231	022040011	6KT-MUTTER Hexagon nut	M16*-*BR*439	4	st
240	2296512	VS-HY Screw connection hydraulic	SWVE*6-PLR	4	st
241	2721246	ROHR-GEBO Pipe bent	6x1	2	st
242	2721247	ROHR-GEBO Pipe bent	6x1	2	st
243	27054426	VS-HY Screw connection hydraulic	EVW*06*L*A3C	4	st
244	27055029	VS-HY	EVL*06*L*A3C	2	st
245	27055036	Screw connection hydraulic VERSCHRAUBUNG-HYDR. THREADED CONNECTION	T*6*PL	1	st
246	2502759	H-LTG-DIN Hydraulic line	6L*6L*3000*5*1*DKO	1	pcs
247	2605149	H-LTG-DIN Hydraulic line	6L*6L*2500*5*1*DKO	1	pcs
248	2375804	VS-HY	EV06LA3C	1	pcs
249	2729831	Screw connection hydraulic SCHUTZSCHLAUCH	GRS*23,7/31,3	,12	m
250	2729831	Cable protective hose SCHUTZSCHLAUCH	GRS*23,7/31,3	,26	m
251	2730413	Cable protective hose SCHUTZSCHLAUCH	GRS*37	,7	m
255	2534029	Cable protective hose SCHMIERLEITG-DIN	6*2660*TEC*2	1	pcs
260	27072565	Lubrication line STUETZROLLE	NATR 10 PP*INA	4	st
261	2720521	SUPPORTING ROLL EXZENTERWELLE	RUNDTISCH	4	st

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-12

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 12 (13)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
262	2720590	Excentric shaft DRUCKHUELSE	AK12.18	4	st
263	2720515	pressure sleeve SCHEIBE	36.5*12.5*3	4	st
264	27051735	Washer SENK-SHR-I6KT	M5*12	8	st
270	27072144	Hexagon countersunk head screw ABSTANDBOLZEN	M6*20*FORM B	1	pcs
272	26050629	distance bolt SCHEIBE	12.5*6.4*1.6*B*125	2	st
273	26050193	Washer ZYL-SHR-I6KT	M6*12*8.8*912	2	st
275	27081489	Hexagon socket cap screw ROHRSCHELLE	RSGU 1*40/20-W1*RA	1	st
276	27081464	Pipe clamp ROHRSCHELLE	RSGU 1*20/15-W1*RA	1	st
280	2605197	Pipe clamp BLECH	WINKEL	1	pcs
281	2280717	metal sheet LI-FLAN-SHR	M6*12*BR*WN7381	2	st
282	27070325	Rounded flange head screw SYSTEM-HALTER	SFH-21	1	st
283	26050190	SYSTEM-HOLDER ZYL-SHR-I6KT	M6*10*8.8*912	1	st
320	2729494	Hexagon socket cap screw PASSCHEIBE Adjusting washer	15*21*0.2*988	4	st

Schwenkrundtisch - motorisch // Rotary table with swivel axis (motor)

Baugruppe / Assembly group: 2609730

Seite / Page: 01.5-13

Zeichn.Nr. / Draw. No.: 2609730

Bl. / Page: 13 (13)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2498008	STARRTISCH <i>rigid table</i>	KPLT.*DMU 50

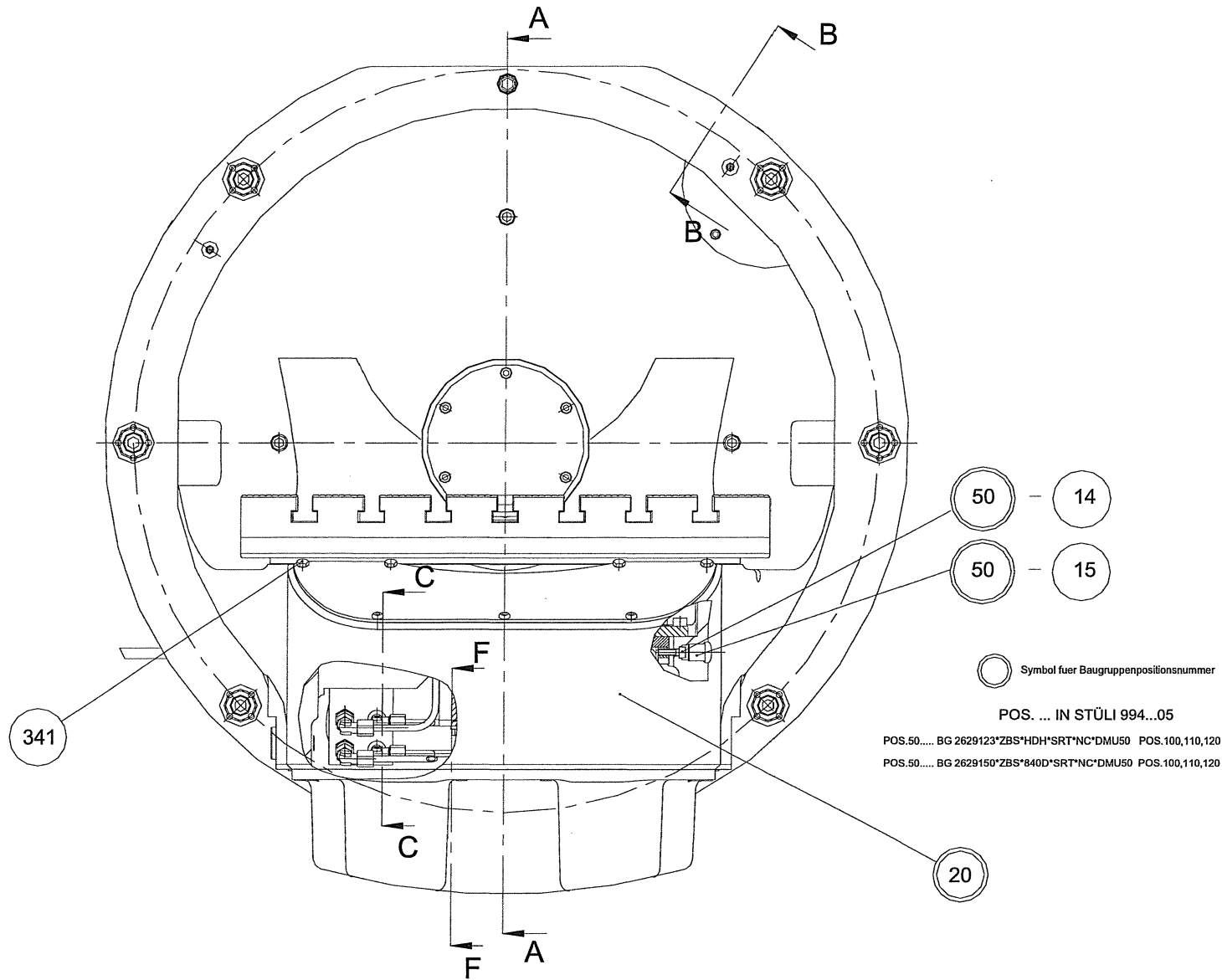
<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2498006	STARRTISCH <i>rigid table</i>	DMU 50	1	pcs
13	27054495	RUNDSCHNURGUMMI <i>O-RUBBER</i>	D=2,5MM	2	m
15	27055778	NUTENSTEIN-FLACH	14*10*22	2	st
16	26050193	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*12*8.8*912	2	st
20	2498014	DECKEL <i>cover</i>	STARRTISCH*DMU 50	1	pcs
30	2723059	GEWINDEHUELSE <i>threaded/tapped bush</i>	M30x1.5*D12	6	st
40	2723058	SCHEIBE <i>Washer</i>	39.8*12*29	6	st
50	26051736	GEWINDESTIFT-DIN <i>hex-socket set screw</i>	M10*10*DIN913	2	st
60	26080889	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M12*60*12.9*912	6	st
70	26200395	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M12*40*12.9*912	3	st
80	26081213	ZYL-SHR-I6KT	M12*100*DIN912*12	1	st

Starrtisch DMU50 -- nur Stückliste
Rigid table DMU50 -- partslist only

Baugruppe / Assembly group: **2498008**Seite / Page: **01.7-1**

Zeichn.Nr. / Draw. No.:

Bl. / Page: **1 (1)**



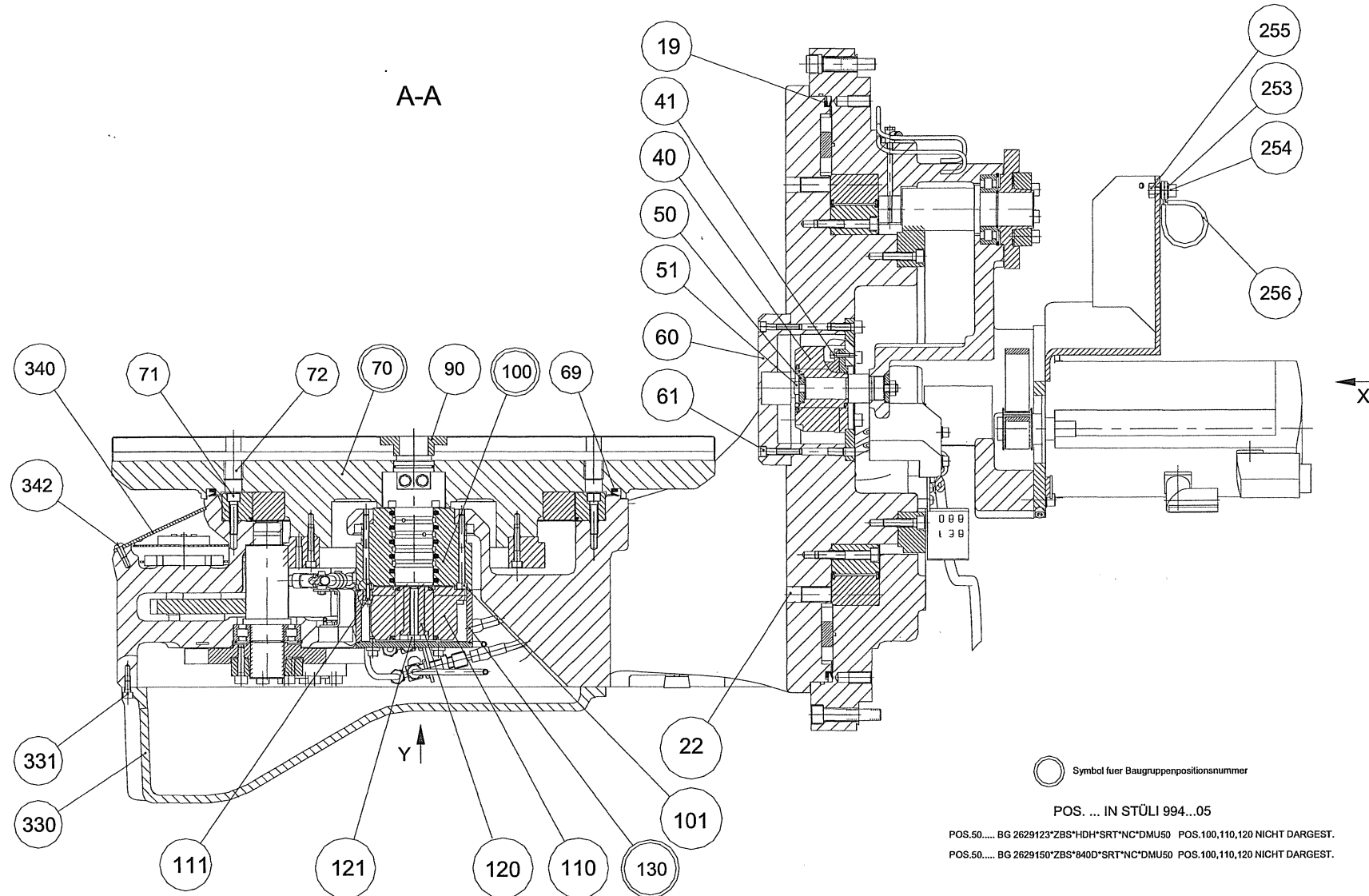
Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-1

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 1 (11)



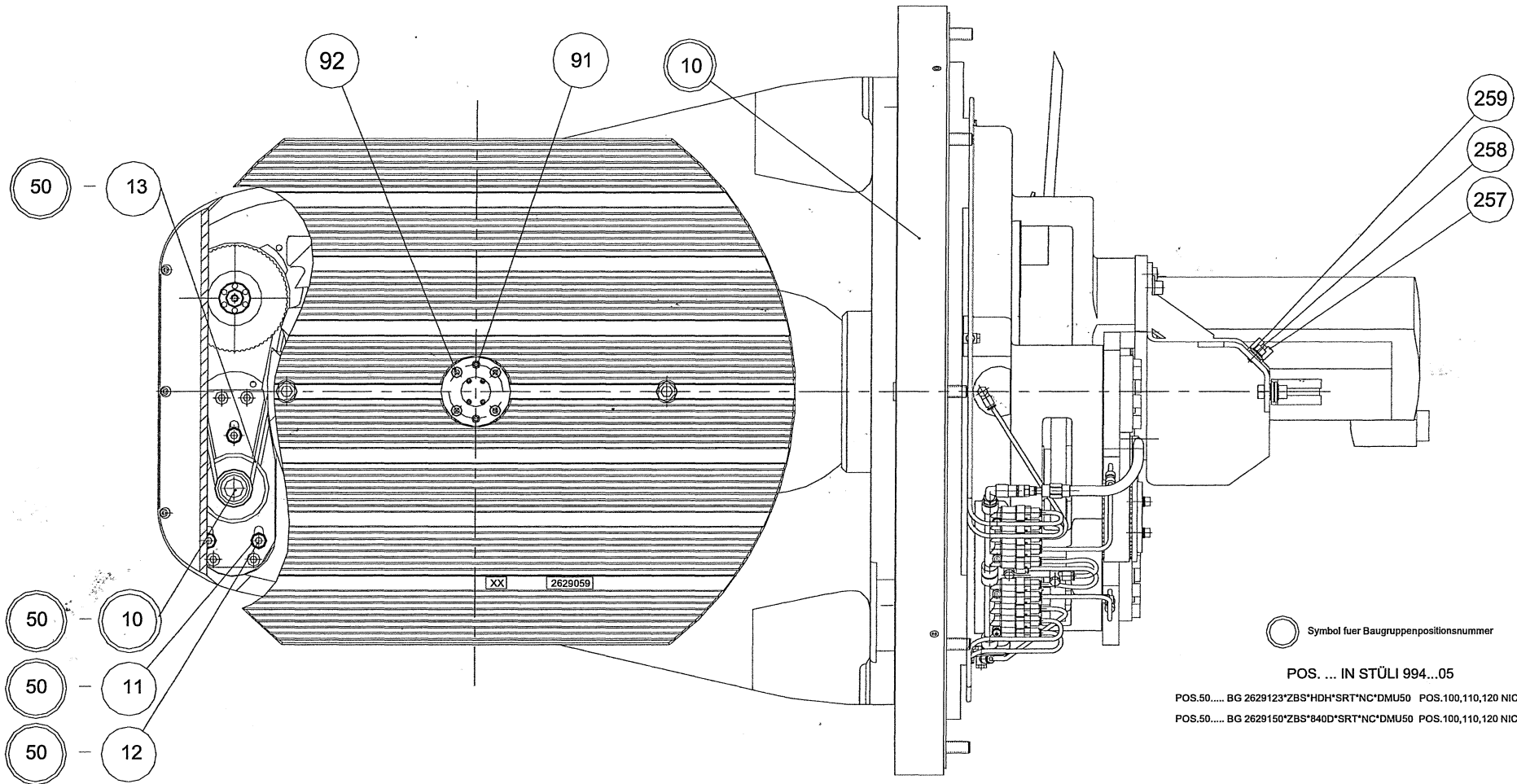
Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-2

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 2 (11)



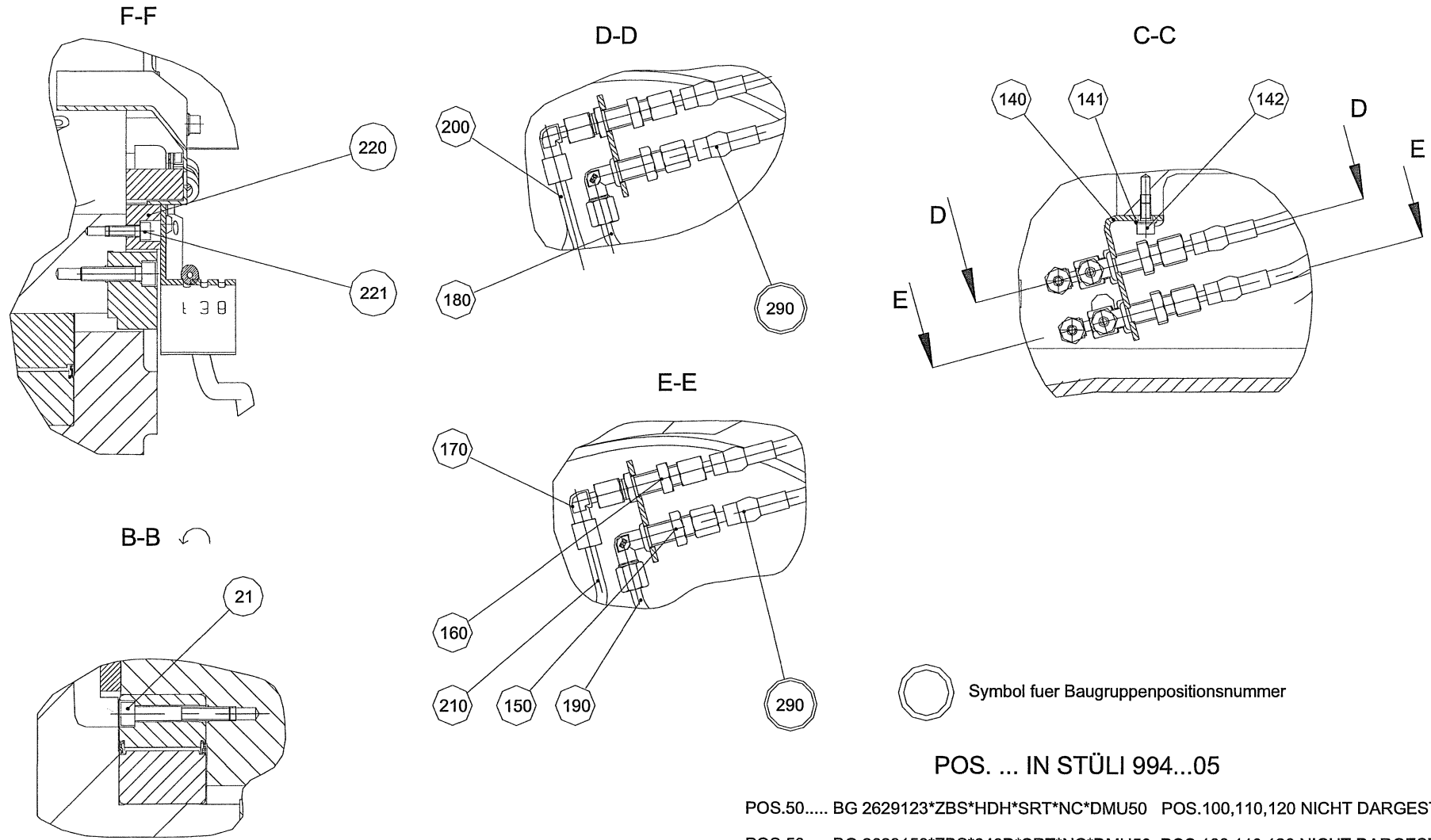
Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-3

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 3 (11)



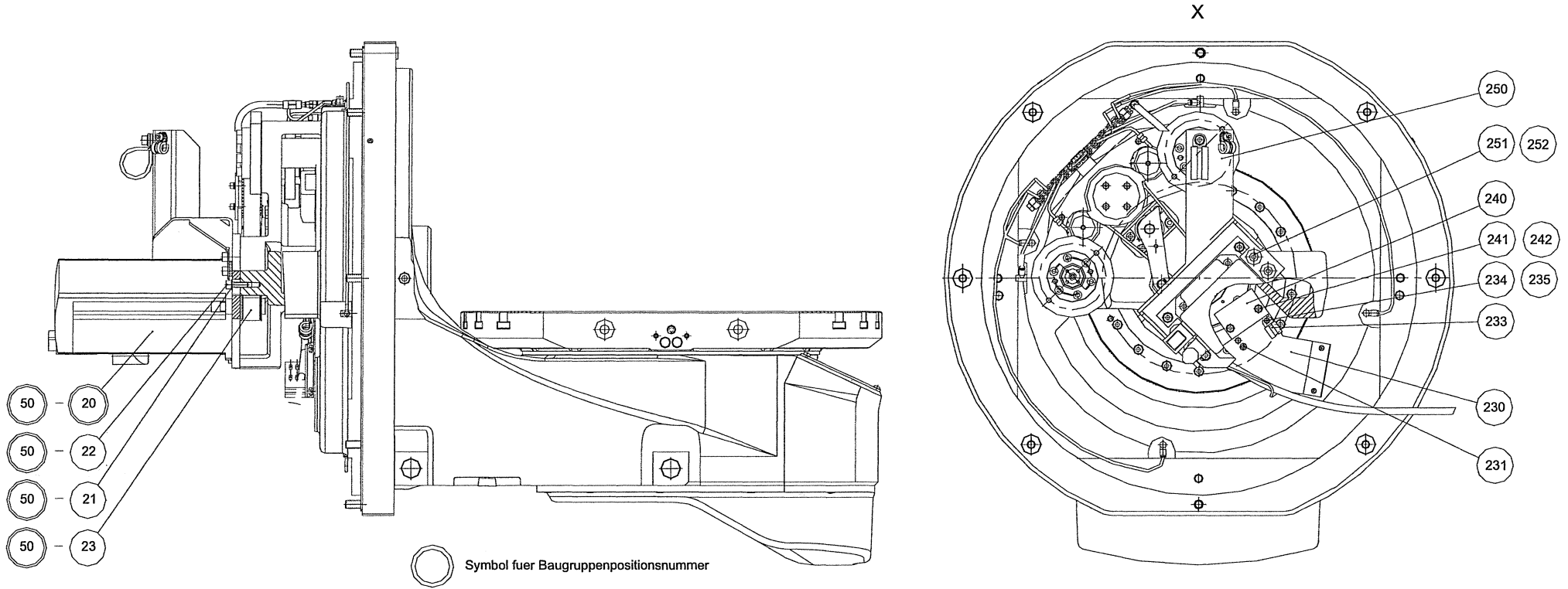
Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-4

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 4 (11)



Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: **2629059**

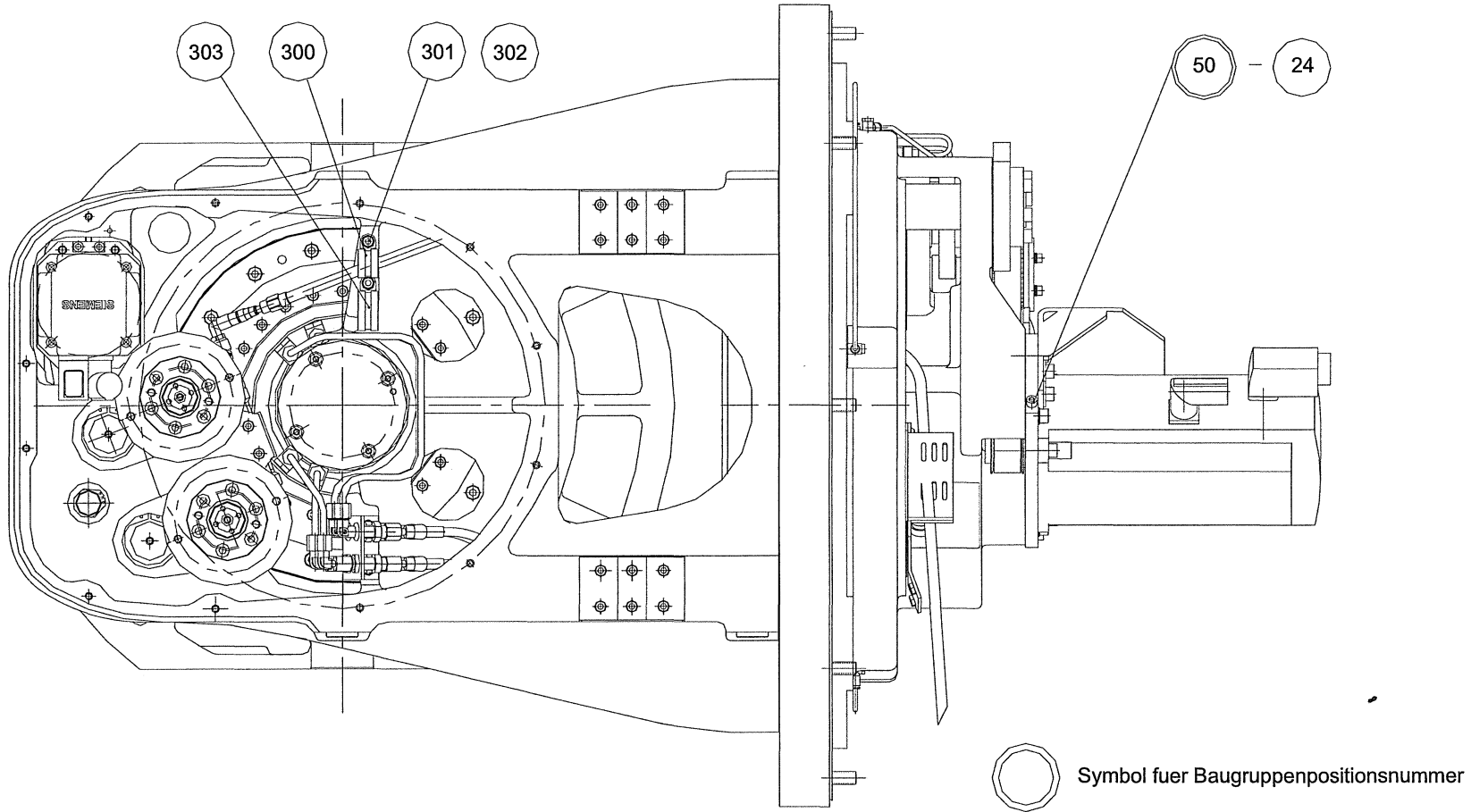
Seite / Page: **01.8-5**

Zeichn.Nr. / Draw. No.: **2629059**

Bl. / Page: **5 (11)**

Y

2596438_Deckel nicht dargestellt



Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-6

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 6 (11)

Stückliste

/

Partlist

Baugruppe	Bezeichnung	Spezifikation
Product-Id.	Designation	Spezification
2629059	SCHWENK-RD-TISCH Swivelling rotary table	NC*M.DDF

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
10	2596416	TRAEGER Carrier	SCHWENK-RD-TISCH*NC	1	pcs
19	2306352	DICHTRING seal ring	TWVLV6000*V-SEAL	1	pcs
20	2635185	KONSOLE Console	SCHWENK-RD-TISCH*NC	1	pcs
21	26080884	ZYL-SHR-I6KT Hexagon socket cap screw	M8*55*12.9*912	30	st
22	26051608	GEWINDESTIFT-DIN hex-socket set screw	M16*16*DIN913	4	st
40	2358946	DREHGEBER shaft encoder	RCN226*16384*ABS	1	pcs
41	26050163	ZYL-SHR-I6KT Hexagon socket cap screw	M4*16*8.8*912	4	st
50	10219811	SCHEIBE	* 28,0* 8,4* 5,0	1	st
51	26050225	ZYL-SHR-I6KT Hexagon socket cap screw	M8*20*8.8*6912	1	st
60	2635087	DECKEL-RU cover round	159*0*34	1	pcs
61	26050205	ZYL-SHR-I6KT Hexagon socket cap screw	M6*35*8.8*912	6	st
69	2596732	DICHTRING seal ring	TWVLV4250*V-SEAL	1	pcs
70	2596419	TISCH Table	SCHWENK-RD-TISCH*NC	1	pcs
71	26200055	ZYL-SHR-I6KT Hexagon socket cap screw	M8*35*12.9*912	16	st

Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-7

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 7 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
72	26056977	GEWINDESTIFT-DIN hex-socket set screw	M20*20*DIN913	2	st
90	14045570	BUCHSE	69 X 42 X 30 X 20	1	st
91	26059630	ZYL-STIFT-IGW	C*8*20*DIN7979*S	2	st
92	26050196	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*8.8*6912	4	st
100	2731109	DREHDURCHFUEHRUN rotary feedthrough	HYDR.NCRT	1	st
101	26050216	ZYL-SHR-I6KT Hexagon socket cap screw	M6*70*8.8*912	4	st
110	2358946	DREHGEBER shaft encoder	RCN226*16384*ABS	1	pcs
111	26050163	ZYL-SHR-I6KT Hexagon socket cap screw	M4*16*8.8*912	4	st
120	10233169	BOLZEN bolt	28*22*53	1	st
121	26050237	ZYL-SHR-I6KT Hexagon socket cap screw	M8*70*8.8*6912	1	st
130	2731106	ABDECKUNG cover	DREHGEBER*DREHD.	1	st
140	2596451	WINKEL Angle	75*36*60*3	1	pcs
141	26050629	SCHEIBE Washer	12.5*6.4*1.6*B*125	2	st
142	26050193	ZYL-SHR-I6KT Hexagon socket cap screw	M6*12*8.8*912	2	st
150	27059573	VS-HY Screw connection hydraulic	WSV*6*PL	2	st
160	27054980	VS-HY Screw connection hydraulic	SV*6*PL	2	st
170	27054426	VS-HY Screw connection hydraulic	EVW*06*L*A3C	2	st

Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-8

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 8 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
180	2596462	Screw connection hydraulic ROHR-GEBO	DDF*4-FACH	1	pcs
190	2596463	Pipe bent ROHR-GEBO	DDF*4-FACH	1	pcs
200	2596464	Pipe bent ROHR-GEBO	DDF*4-FACH	1	pcs
210	2596465	Pipe bent ROHR-GEBO	DDF*4-FACH	1	pcs
220	2624231	Pipe bent HALTER	KABELFUEHRUNG	1	pcs
221	26050198	Holder ZYL-SHR-I6KT	M6*18*8.8*912	2	st
230	2624241	Hexagon socket cap screw BLECH	HALTER	1	pcs
231	27068040	metal sheet LI-SHR-I6KT	M6*12*10.9*7380	2	st
233	27080682	Hexagon rounded head screw ROHRSCHELLE	RSGU 1*12/15-W1*RA	1	st
234	26050623	Pipe clamp SCHEIBE	9*4.3*0.8*A*125*ST-BR	2	st
235	26050161	Washer ZYL-SHR-I6KT	M4*12*8.8*912	2	st
240	2624236	Hexagon socket cap screw BLECH	ABDECKUNG	1	pcs
241	26050629	metal sheet SCHEIBE	12.5*6.4*1.6*B*125	2	st
242	26050193	Washer ZYL-SHR-I6KT	M6*12*8.8*912	2	st
250	2624216	Hexagon socket cap screw BLECH	HALTER*KABEL*NC-RT	1	pcs
251	26050633	metal sheet SCHEIBE Washer	25*8.4*2*A*9021*ST-BR	4	st

Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-9

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 9 (11)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
252	26080882	ZYL-SHR-I6KT Hexagon socket cap screw	M8*18*12.9*912	4	st
253	26050631	SCHEIBE Washer	17*8.4*1.6*B*125*ST-BR	2	st
254	26050226	ZYL-SHR-I6KT Hexagon socket cap screw	M8*20*8.8*912	1	st
255	26050430	6KT-MUTTER Hexagon nut	M8*8.8*934	1	st
256	27081489	ROHRSCHELLE Pipe clamp	RSGU 1*40/20-W1*RA	1	st
257	27080681	ROHRSCHELLE Pipe clamp	RSGU 1*10/15-W1*RA	1	st
258	26050193	ZYL-SHR-I6KT Hexagon socket cap screw	M6*12*8.8*912	1	st
259	26050629	SCHEIBE Washer	12.5*6.4*1.6*B*125	1	st
290	2624387	H-LTG-DIN Hydraulic line	6L*6L*3700*4*1	4	pcs
300	27081464	ROHRSCHELLE Pipe clamp	RSGU 1*20/15-W1*RA	1	st
301	26050629	SCHEIBE Washer	12.5*6.4*1.6*B*125	2	st
302	26050195	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*8.8*912	2	st
303	6009808	BEF-SCHELLE securing clip / bracket	1*28/15*RSGU	1	st
330	2596438	DECKEL cover	NC-SCHW-RD-TISCH	1	pcs
331	26050193	ZYL-SHR-I6KT Hexagon socket cap screw	M6*12*8.8*912	12	st
340	2596457	DECKEL cover	RIEMENSCHUTZ*SRT	1	pcs
341	26065318	6KT-SHR	M6*12*8.8*933	4	st

Schwenkrundtisch - NC // Rotary table with swivel axis - NC

Baugruppe / Assembly group: 2629059

Seite / Page: 01.8-10

Zeichn.Nr. / Draw. No.: 2629059

Bl. / Page: 10 (11)

Stückliste

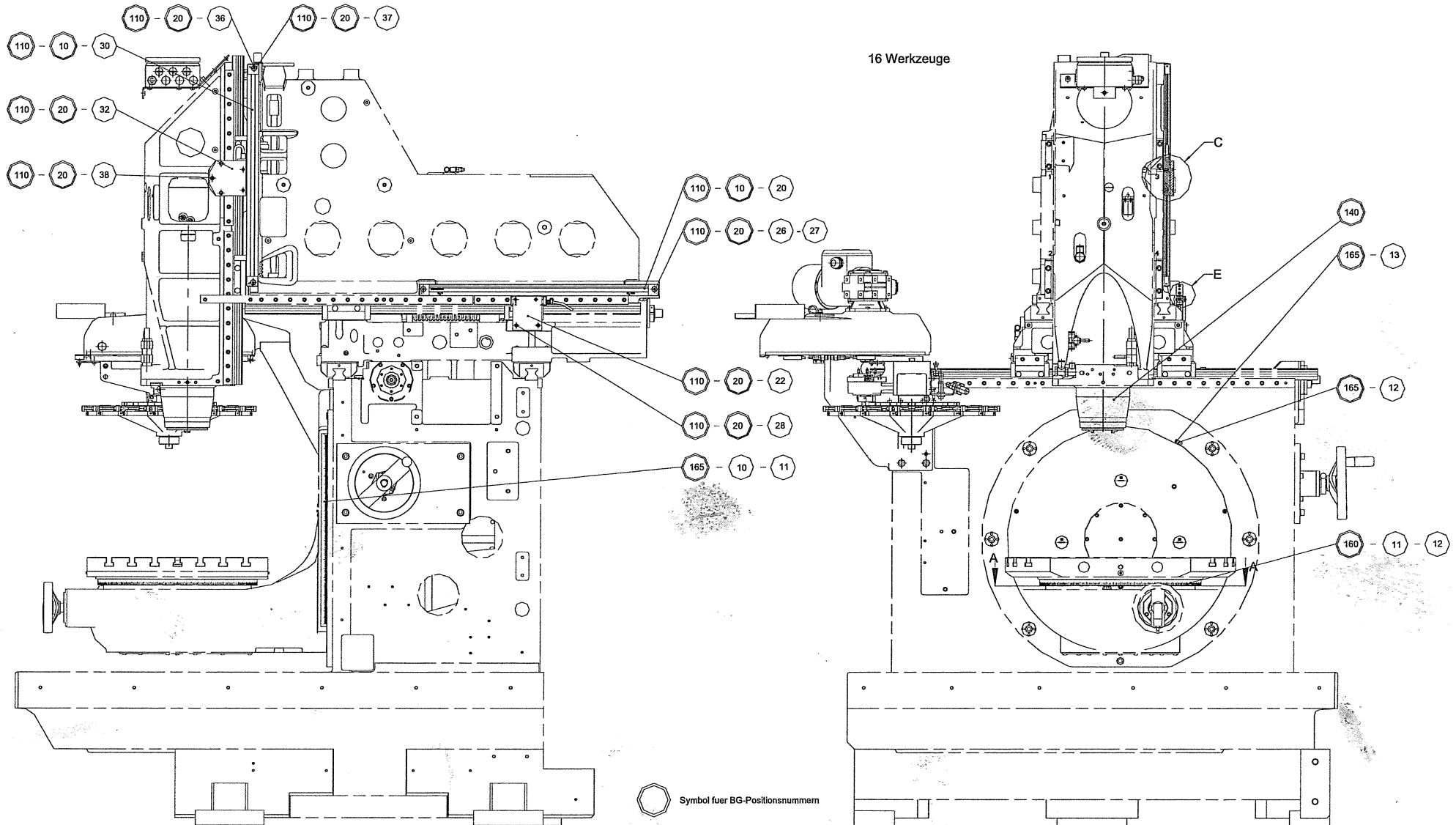
/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
342	27068040	Hexagon-head screw LI-SHR-I6KT	M6*12*10.9*7380	3	st
400	2614371	Hexagon rounded head screw M-U-D-BLATT Dimension and data sheet	NC_SRT_DMU50	1	pcs

Schwenkrundtisch - NC // Rotary table with swivel axis - NCBaugruppe / Assembly group: **2629059**Seite / Page: **01.8-11**Zeichn.Nr. / Draw. No.: **2629059**Bl. / Page: **11 (11)**





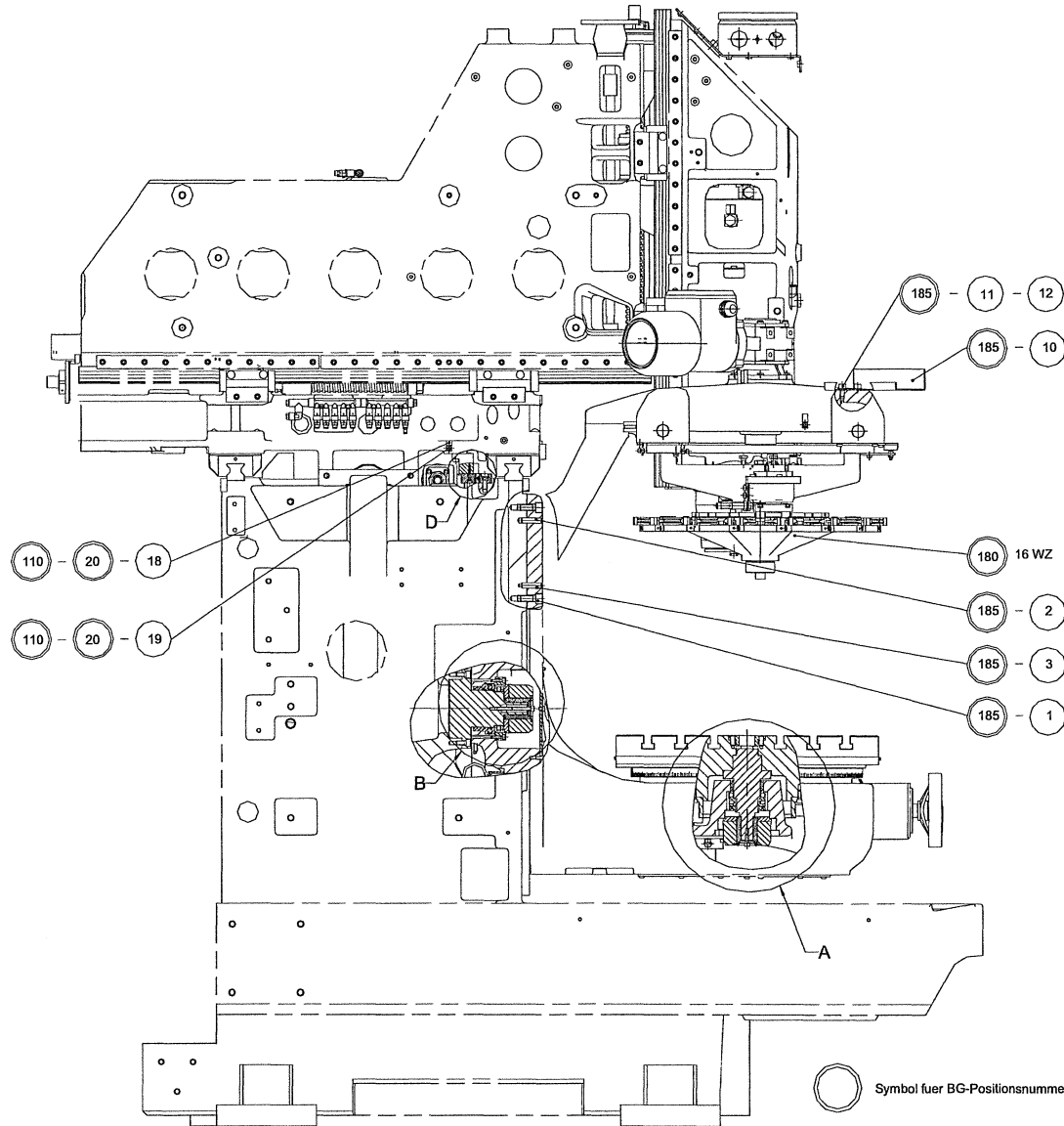
Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: 02-1

Zeichn.Nr. / Draw. No.: 2639140

Bl. / Page: 1 (8)



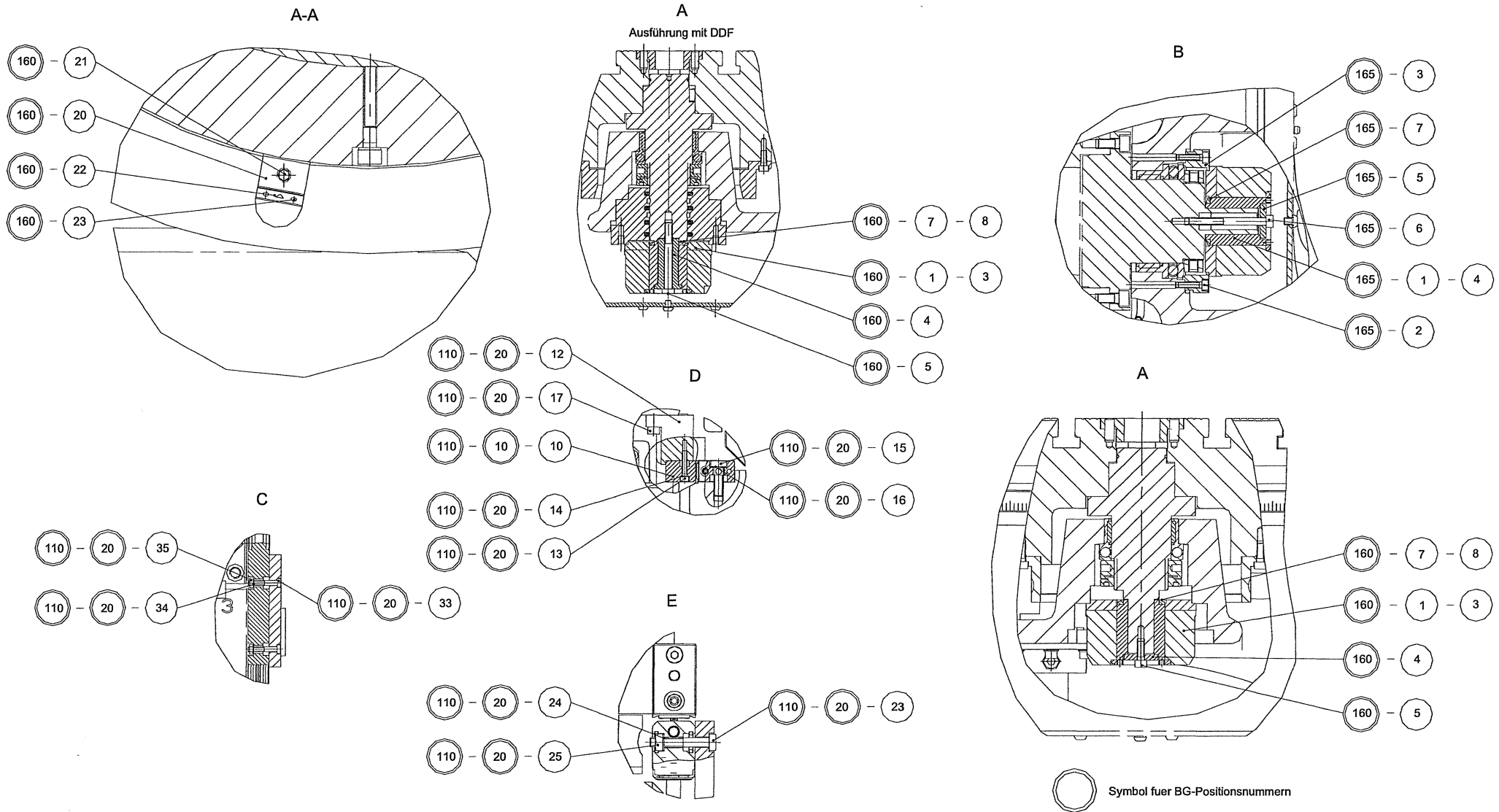
Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: **02-2**

Zeichn.Nr. / Draw. No.: **2639140**

Bl. / Page: **2 (8)**



Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: **02-3**

Zeichn.Nr. / Draw. No.: **2639140**

Bl. / Page: **3 (8)**

POS. IN STÜLI 99.45..05

POS.110... BG*MESS-ER*X*Y*Z*DMU50
POS.10...BG*PAKET*LM-SYSTEM*DMU50
POS.20...BG*ABT*MESS-ER*X*Y*Z*DMU50

POS.140... BG*KPLNG*MSP*SK40*10000*O*DDF
POS.140... BG*KPLNG*MSP*SK40*14000*O*DDF
POS.140... BG*KPLNG*MSP*HSK-A63*14000
POS.140... BG*KPLNG*MSP*SK40*10000*M*DDF
POS.140... BG*KPLNG*MSP*SK40*14000*M*DDF
POS.140... BG*KPLNG*MSP*SK40*18000
POS.140... BG*KPLNG*MSP*HSK-A63*18000

POS.160... BG*ABT*C-ACHSE O.RON/RCN
POS.160... BG*ABT*C-ACHSE M.RCN
POS.160... BG*ABT*C-ACHSE*M.RCN*DDF
POS.165... BG*ABT*B-ACHSE O.RON/RCN
POS.165... BG*ABT*B-ACHSE M.RCN

POS.180... BG*WZM*16WZ*SK40*HSK-A63
POS.180... BG*WZM*30WZ*SK40*G3
POS.180... BG*WZM*30WZ*HSK63*G3
POS.180... BG*WZM*60WZ*SK40*G3
POS.180... BG*WZM*60WZ*HSK63*G3

POS.181... BG*UBS*WZM16*CAT40
POS.181... BG*UBS*WZM16*BT40

POS.185... BG*ABT*WZM*16WZ*DMU50
POS.185... BG*ABT*WZM*30WZ*GIFU*DMU50
POS.185... BG*ABT*WZM*60WZ*GIFU*DMU50

POS.186... BG*UBS*WZM30*CAT40*SK40-ISO7388/2
POS.186... BG*UBS*WZM60*CAT40*SK40-ISO7388/2
POS.186... BG*UBS*WZM30/60*BT40KPL*KPL*GIFU

POS.187... BG*ZUBEHOER*WZM*BT40/16WZ
POS.187... BG*ZUBEHOER*WZM*BT40/30WZ
POS.187... BG*ZUBEHOER*WZM*BT40/60WZ

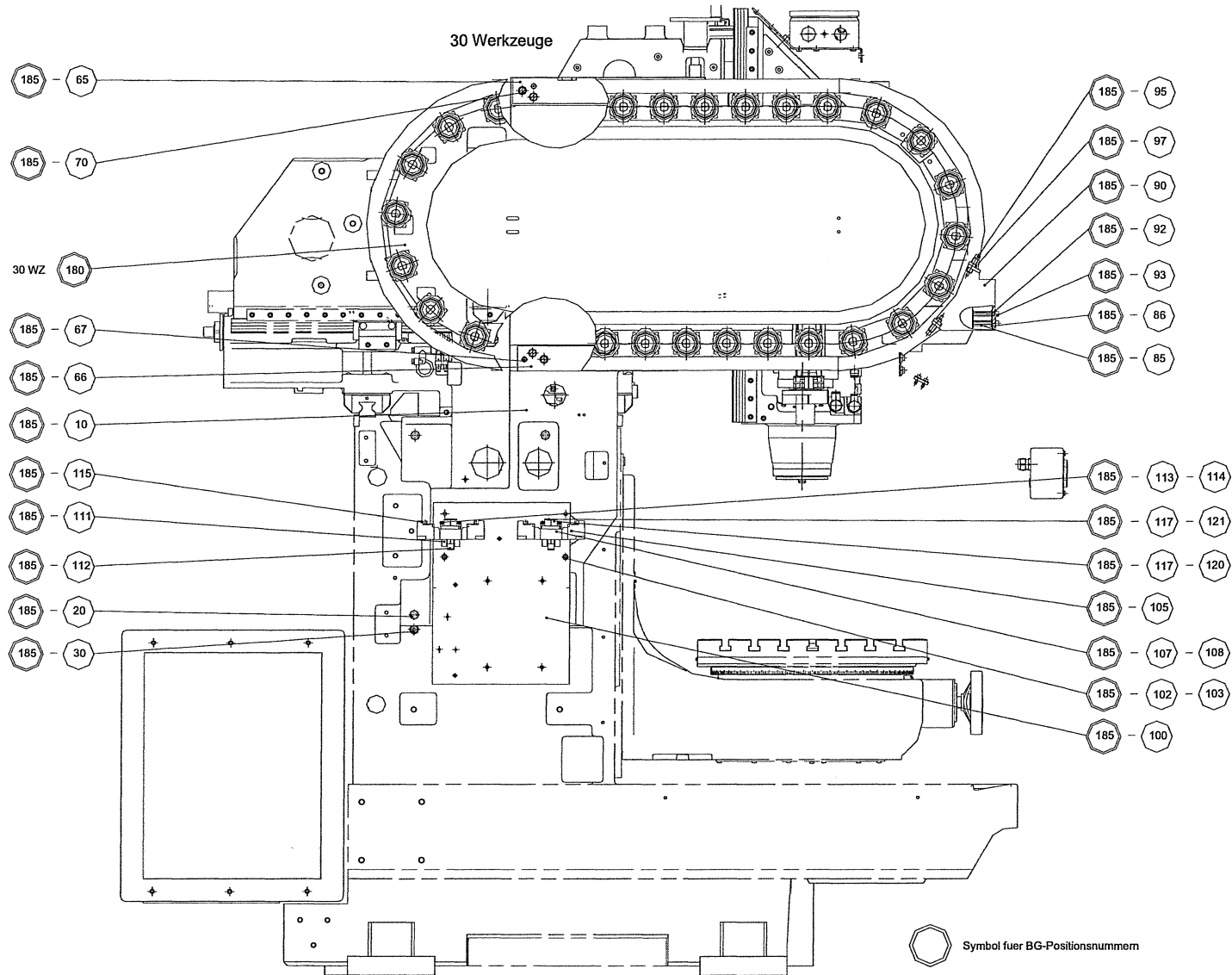
Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: 02-4

Zeichn.Nr. / Draw. No.: 2639140

Bl. / Page: 4 (8)



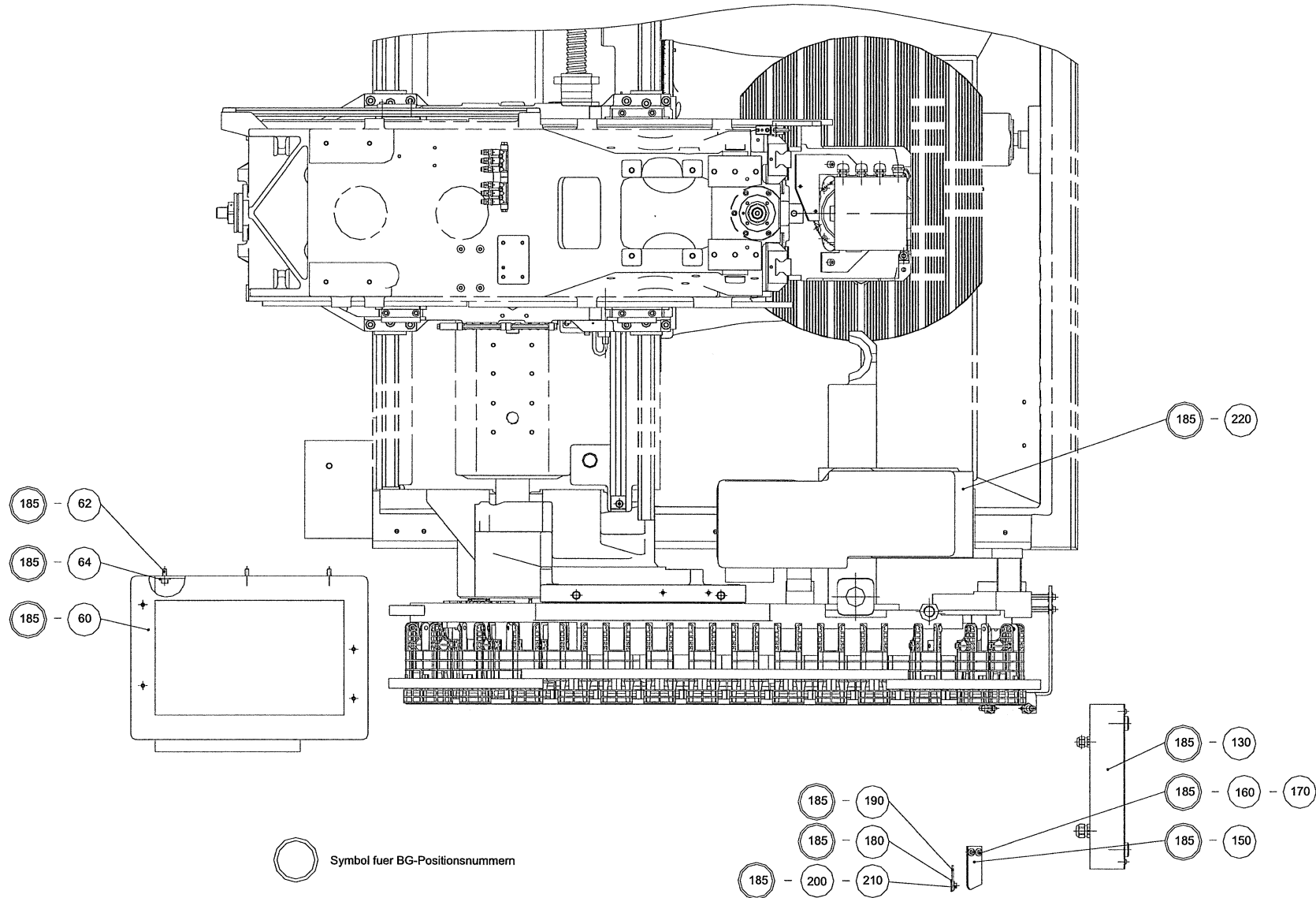
Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: 02-5

Zeichn.Nr. / Draw. No.: 2639140

Bl. / Page: 5 (8)



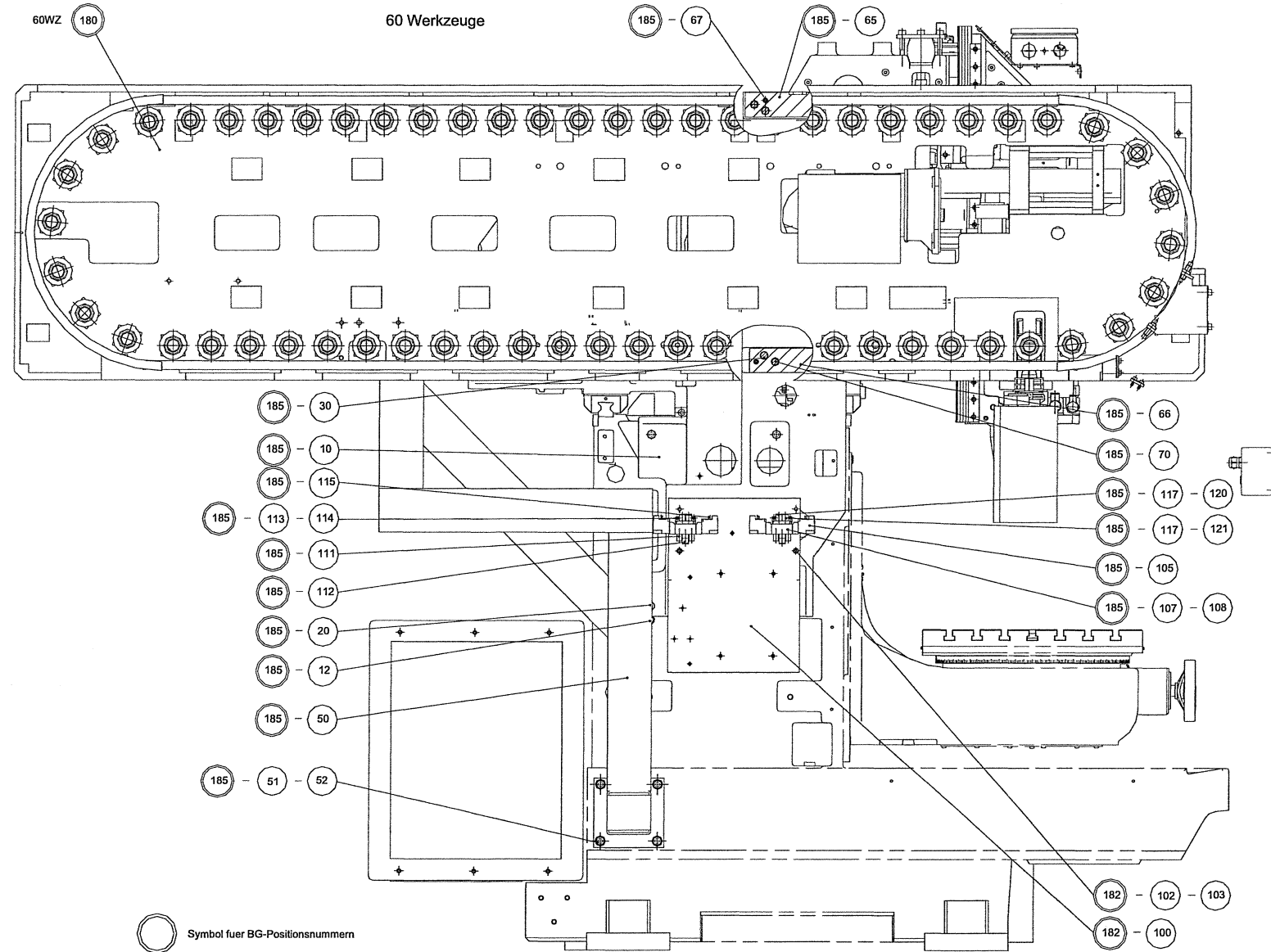
Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: 02-6

Zeichn.Nr. / Draw. No.: 2639140

Bl. / Page: 6 (8)



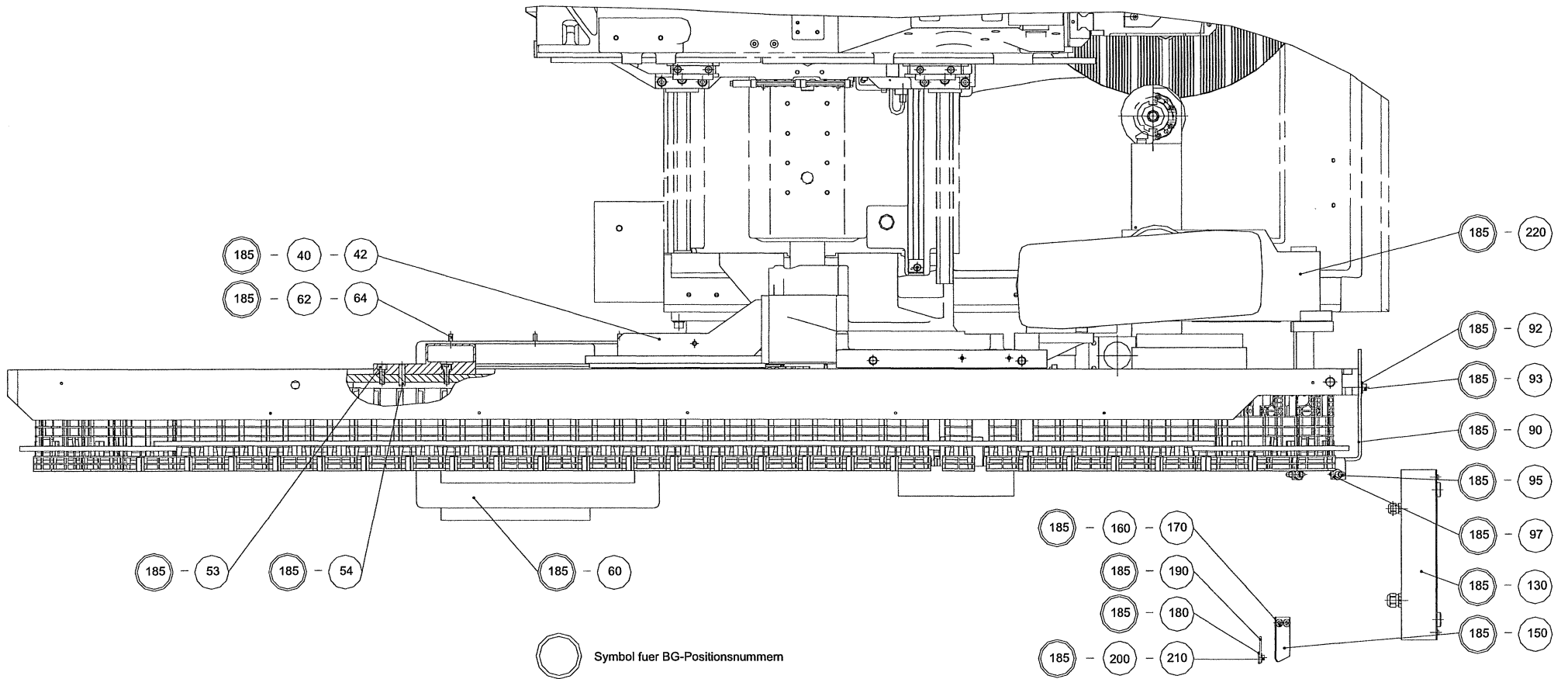
Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: 02-7

Zeichn.Nr. / Draw. No.: 2639140

Bl. / Page: 7 (8)



Montageaufbau II/III // Machine mounting II/III

Baugruppe / Assembly group:

Seite / Page: 02-8

Zeichn.Nr. / Draw. No.: 2639140

Bl. / Page: 8 (8)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2377707	MESS-ER measuring device	X*Y*Z*DMU50 X*Y*Z*DMU50

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2377893	PAKET package	LM-SYSTEME*DMU 50 LM-SYSTEME*DMU 50	1	pcs
20	2379034	ABT add-on components	MESS-ER*X*Y*Z*DMU 50 MESS-ER*X*Y*Z*DMU 50	1	pcs

Messeinrichtung X-, Y-, Z-Achse DMU50 -- nur Stückliste //
Measuring system X-, Y-, Z-axis DMU50 -- partslist only

Baugruppe / Assembly group: **2377707**

Seite / Page: **02.1-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140
included in 2639140

Bl. / Page: **1(1)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2377893	PAKET package	LM-SYSTEME*DMU 50 LM-SYSTEME*DMU 50

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezification</i>	<i>Quantity</i>	<i>Unit</i>
10	2366626	LM-MESS length measuring system	LC483*620*0.005*ABS LC483*620*0.005*ABS*ABSOLUT	1	pcs
20	2366628	LM-MESS length measuring system	LC483*520*0.005*ABS LC483*520*0.005*ABS*ABSOLUT	1	pcs
30	2366634	LM-MESS length measuring system	LC483*470*0.005*ABS LC483*470*0.005*ABS*ABSOLUT	1	pcs

Paket LM-Systeme DMU50 -- nur Stückliste
Package LM-systems DMU50-- partslist only

Baugruppe / Assembly group: **2377893**

Seite / Page: **02.1.1-1**

Zeichn.Nr. / Draw. No.: **enthalten in 2639140**
included in 2639140

Bl. / Page: **1(1)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2379034	ABT add-on components	MESS-ER*X*Y*Z*DMU 50 MESS-ER*X*Y*Z*DMU 50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
12	2716989	HALTER holder	MK*X*DMU50T MK*X*DMU50T	1	st
13	26050874	ZYL-SHR-I6KT	M4*22*DIN912*8.8 M4*22*DIN912*8.8	2	st
14	27051766	SICHERUNGSSCHEIBE LOCK WASHER	4*SCHNORR 4*SCHNORR	2	st
15	26050891	ZYL-SHR-I6KT hexagon socket screw	M8*25*8.8*6912 M8*25*8.8*6912	2	st
16	27051768	SICHERUNGSSCHEIBE LOCK WASHER	8*SCHNORR 8*SCHNORR	2	st
17	26050199	ZYL-SHR-I6KT hexagon socket screw	M6*20*8.8*912 M6*20*8.8*912	2	st
18	15010710	ROHRSCHELLE	WVN 606.010 BOHRG. WVN 606.010 BOHRG.	1	st
19	26050882	ZYL-SHR-I6KT hexagon socket screw	M6*8*8.8*912 M6*8*8.8*912	1	st
22	2717018	HALTER holder	95*80*8 95*80*8	1	st
23	26081220	ZYL-SHR-I6KT	M4*25*DIN6912*8.8 M4*25*DIN6912*8.8	2	st
24	27051766	SICHERUNGSSCHEIBE LOCK WASHER	4*SCHNORR 4*SCHNORR	2	st
25	26050425	6KT-MUTTER hexagon nut	M4*DIN934*BR M4*DIN934*BR	2	st
26	26050891	ZYL-SHR-I6KT hexagon socket screw	M8*25*8.8*6912 M8*25*8.8*6912	2	st

Anbauteile Messeinrichtung X-, Y-, Z-Achse DMU 50 -- nur Stückliste

Annexe parts for measuring system X-, Y-, Z-axis -- partslist only

Baugruppe / Assembly group: 2379034

Seite / Page: 02.1.2-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: 1(2)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
27	27051768	SICHERUNGSSCHEIBE <i>LOCK WASHER</i>	8*SCHNORR <i>8*SCHNORR</i>	2	st
28	26050200	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*20*8.8*6912 <i>M6*20*8.8*6912</i>	2	st
32	2717017	HALTER <i>holder</i>	100*95*10 <i>100*95*10</i>	1	st
33	26081220	ZYL-SHR-I6KT	M4*25*DIN6912*8.8 <i>M4*25*DIN6912*8.8</i>	2	st
34	27051766	SICHERUNGSSCHEIBE <i>LOCK WASHER</i>	4*SCHNORR <i>4*SCHNORR</i>	2	st
35	26050425	6KT-MUTTER <i>hexagon nut</i>	M4*DIN934*BR <i>M4*DIN934*BR</i>	2	st
36	26050891	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*6912 <i>M8*25*8.8*6912</i>	2	st
37	27051768	SICHERUNGSSCHEIBE <i>LOCK WASHER</i>	8*SCHNORR <i>8*SCHNORR</i>	2	st
38	26050195	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*16*8.8*912 <i>M6*16*8.8*912</i>	3	st
39	15010710	ROHRSCHELLE	WVN 606.010 BOHRG. <i>WVN 606.010 BOHRG.</i>	2	st
40	27072971	LINSENSCHRAUBE-M.INSKT. <i>hexagon socket screw</i>	M6*8*1 <i>M6*8*1</i>	2	st

Anbauteile Messeinrichtung X-, Y-, Z-Achse DMU 50 -- nur Stückliste

Annexe parts for measuring system X-, Y-, Z-axis -- partslist only

Baugruppe / Assembly group: 2379034

Seite / Page: 02.1.2-2

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: 2(2)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2627793	KPLNG Completion	MSP*HSK-A63*14000

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2622687	MSP Motor spindle	DMS*14000*14KW*HSK63*M*DD	1	pcs
11	27075588	O-RING	OR200*5*VITON	1	st
12	26200052	O-RING ZYL-SHR-I6KT	M8*20*12.9*912	12	st
13	27066210	Hexagon socket cap screw GEWINDESTIFT-DIN	M8X1*8*DIN913	4	st
20	93001011	hex-socket set screw VS-HY	WH*8*LR*KDS OMD	2	st
21	27078078	Screw connection hydraulic VS-PN	8*1/4*1823 391 557	1	st
30	2376175	Screw connection pneumatic HALTER	KLEMMKASTEN	1	pcs
31	26050226	Holder ZYL-SHR-I6KT	M8*20*8.8*912	2	st
35	2270454	Hexagon socket cap screw KLEMMKAST	KPLT*MSP*Y/D	1	st
36	26050193	Terminal box ZYL-SHR-I6KT	M6*12*8.8*912	2	st
45	2709072	Hexagon socket cap screw R-S-VENTIL	G1/2*SPERRL.ANSCHL.	1	st
46	27066265	Return valve SCHLAUCHTUELLE	13*R1/2" 0123	1	st
47	27051881	hose liner VS-SM	4*M8x1*404.612 ÜBERWURF.	1	st
48	27051300	Screw connection lubrication KEGELRING TAPER RING	4*404.611	1	st

Komplettierung Motorspindel HSK-A63 14.000 -- nur Stückliste
Completion motorspindle HSK-A63 14,000 rpm -- partslist only

Baugruppe / Assembly group: **2627793**Seite / Page: **02.2-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140
included in 2639140

Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
49	27051171	EINSTECKHUELSE inserting sleeve	404.603	1	st
50	27083340	VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR plastic pipe	4*0.85*WVN 716-	,3	m
60	2707326	SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
62	26050187	ZYL-SHR-I6KT	M5*35*8.8*912	1	st
63	26050427	Hexagon socket cap screw 6KT-MUTTER	M5*8.8*BR*934	1	st
65	2320406	Hexagon nut TEMPER-SENSOR	PT100 1m Kabel	1	pcs
66	26050159	Temperature sensor ZYL-SHR-I6KT	M4*10*8.8*6912	2	st
67	27058265	Hexagon socket cap screw GEWINDEBUCHSE threaded insert	M6*M4*6.0	2	st

Komplettierung Motorspindel HSK-A63 14.000 -- nur Stückliste
Completion motorspindle HSK-A63 14,000 rpm -- partslist only

Baugruppe / Assembly group: **2627793**

Seite / Page: **02.2-2**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140
included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2627791	KPLNG Completion	MSP*SK40*10000*O*DDF

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2622680	MSP Motor spindle	DMS*10000*9KW*SK40*O*DD	1	pcs
11	27075588	O-RING O-RING	OR200*5*VITON	1	st
12	26200052	ZYL-SHR-I6KT Hexagon socket cap screw	M8*20*12.9*912	12	st
13	27066210	GEWINDESTIFT-DIN hex-socket set screw	M8X1*8*DIN913	4	st
20	93001011	VS-HY Screw connection hydraulic	WH*8*LR*KDS OMD	2	st
21	27078079	VS-PN Screw connection pneumatic	8*1/4*1823 373 048	1	st
30	2376175	HALTER Holder	KLEMMKASTEN	1	pcs
31	26050226	ZYL-SHR-I6KT Hexagon socket cap screw	M8*20*8.8*912	2	st
35	2354019	KLEMMKAST Terminal box	KPLT*MSP*Y	1	pcs
36	26050193	ZYL-SHR-I6KT Hexagon socket cap screw	M6*12*8.8*912	2	st
45	2709072	R-S-VENTIL Return valve	G1/2*SPERRL.ANSCHL.	1	st
46	27066265	SCHLAUCHTUELLE hose liner	13*R1/2" 0123	1	st
47	27051881	VS-SM Screw connection lubrication	4*M8x1*404.612 ÜBERWURF.	1	st
48	27051300	KEGELRING TAPER RING	4*404.611	1	st

Komplettierung Motorspindel SK40 10.000 ohne Drehdurchführung -- nur Stückliste
Completion motorspindle SK40 10,000 rpm without rotary coupling -- partslist only

Baugruppe / Assembly group: **2627791**Seite / Page: **02.3-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140**included in 2639140**Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
49	27051171	EINSTECKHUELSE inserting sleeve	404.603	1	st
50	27083340	VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR plastic pipe	4*0.85*WVN 716-	,3	m
60	2707326	SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
62	26050187	ZYL-SHR-I6KT Hexagon socket cap screw	M5*35*8.8*912	1	st
63	26050427	6KT-MUTTER Hexagon nut	M5*8.8*BR*934	1	st
65	2320406	TEMPER-SENSOR Temperature sensor	PT100 1m Kabel	1	pcs
66	26050159	ZYL-SHR-I6KT Hexagon socket cap screw	M4*10*8.8*6912	2	st
67	27058265	GEWINDEBUCHSE threaded insert	M6*M4*6.0	2	st

Komplettierung Motorspindel SK40 10.000 ohne Drehdurchführung -- nur Stückliste
Completion motorspindle SK40 10,000 rpm without rotary coupling -- partslist only

Baugruppe / Assembly group: **2627791**

Seite / Page: **02.3-2**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2627794	KPLNG Completion	MSP*SK40*10000*M*DDF

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2622681	MSP Motor spindle	DMS*10000*9KW*SK40*M*DD	1	pcs
11	27075588	O-RING	OR200*5*VITON	1	st
12	26200052	O-RING ZYL-SHR-I6KT	M8*20*12.9*912	12	st
13	27066210	Hexagon socket cap screw GEWINDESTIFT-DIN	M8X1*8*DIN913	4	st
20	93001011	hex-socket set screw VS-HY	WH*8*LR*KDS OMD	2	st
21	93001015	Screw connection hydraulic VS-HY	WH*10*LR*KDS OMD	1	st
22	27094003	Screw connection hydraulic VS-PN	8*1/8*1823 391 554	1	st
30	2376175	Screw connection pneumatic HALTER	KLEMMKASTEN	1	pcs
31	26050226	Holder ZYL-SHR-I6KT	M8*20*8.8*912	2	st
35	2354019	Hexagon socket cap screw KLEMMKAST	KPLT*MSP*Y	1	pcs
36	26050193	Terminal box ZYL-SHR-I6KT	M6*12*8.8*912	2	st
45	2709072	Hexagon socket cap screw R-S-VENTIL	G1/2*SPERRL.ANSCHL.	1	st
46	27066265	Return valve SCHLAUCHTUELLE	13*R1/2" 0123	1	st
47	27051881	hose liner VS-SM	4*M8x1*404.612 ÜBERWURF.	1	st
		Screw connection lubrication			

Komplettierung Motorspindel SK40 10.000 mit Drehdurchführung -- nur Stückliste

Completion motorspindle SK40 10,000 rpm with rotary coupling -- partslist only

Baugruppe / Assembly group: **2627794**

Seite / Page: **02.4-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
48	27051300	KEGELRING	4*404.611	1	st
49	27051171	TAPER RING EINSTECKHUELSE	404.603	1	st
50	27083340	inserting sleeve VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR	4*0.85*WVN 716-	,3	m
60	2707326	plastic pipe SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
62	26050187	ZYL-SHR-I6KT	M5*35*8.8*912	1	st
63	26050427	Hexagon socket cap screw 6KT-MUTTER	M5*8.8*BR*934	1	st
65	2320406	Hexagon nut TEMPER-SENSOR	PT100 1m Kabel	1	pcs
66	26050159	Temperature sensor ZYL-SHR-I6KT	M4*10*8.8*6912	2	st
67	27058265	Hexagon socket cap screw GEWINDEBUCHSE	M6*M4*6.0	2	st
		threaded insert			

Komplettierung Motorspindel SK40 10.000 mit Drehdurchführung -- nur Stückliste

Completion motorspindle SK40 10,000 rpm with rotary coupling -- partslist only

Baugruppe / Assembly group: **2627794**

Seite / Page: **02.4-2**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2627795	KPLNG Completion	MSP*SK40*14000*M*DDF

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2622685	MSP Motor spindle	DMS*14000*14KW*SK40*M*DD	1	pcs
11	27075588	O-RING	OR200*5*VITON	1	st
12	26200052	O-RING ZYL-SHR-I6KT	M8*20*12.9*912	12	st
13	27066210	Hexagon socket cap screw GEWINDESTIFT-DIN	M8X1*8*DIN913	4	st
20	93001011	hex-socket set screw VS-HY	WH*8*LR*KDS OMD	2	st
21	93001015	Screw connection hydraulic VS-HY	WH*10*LR*KDS OMD	1	st
22	27094003	Screw connection hydraulic VS-PN	8*1/8*1823 391 554	1	st
30	2376175	Screw connection pneumatic HALTER	KLEMMKASTEN	1	pcs
31	26050226	Holder ZYL-SHR-I6KT	M8*20*8.8*912	2	st
35	2270454	Hexagon socket cap screw KLEMMKAST	KPLT*MSP*Y/D	1	st
36	26050193	Terminal box ZYL-SHR-I6KT	M6*12*8.8*912	2	st
45	2709072	Hexagon socket cap screw R-S-VENTIL	G1/2*SPERRL.ANSCHL.	1	st
46	27066265	Return valve SCHLAUCHTUELLE	13*R1/2" 0123	1	st
47	27051881	hose liner VS-SM	4*M8x1*404.612 ÜBERWURF.	1	st
		Screw connection lubrication			

Komplettierung Motorspindel SK40 14.000 mit Drehdurchführung -- nur Stückliste
Completion motorspindle SK40 14,000 rpm with rotary coupling -- partslist only

Baugruppe / Assembly group: **2627795**Seite / Page: **02.5-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140**included in 2639140**Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
48	27051300	KEGELRING	4*404.611	1	st
49	27051171	TAPER RING EINSTECKHUELSE	404.603	1	st
50	27083340	inserting sleeve VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR	4*0.85*WVN 716-	,3	m
60	2707326	plastic pipe SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
62	26050187	ZYL-SHR-I6KT	M5*35*8.8*912	1	st
63	26050427	Hexagon socket cap screw 6KT-MUTTER	M5*8.8*BR*934	1	st
65	2320406	Hexagon nut TEMPER-SENSOR	PT100 1m Kabel	1	pcs
66	26050159	Temperature sensor ZYL-SHR-I6KT	M4*10*8.8*6912	2	st
67	27058265	Hexagon socket cap screw GEWINDEBUCHSE	M6*M4*6.0	2	st
		threaded insert			

Komplettierung Motorspindel SK40 14.000 mit Drehdurchführung -- nur Stückliste
Completion motorspindle SK40 14,000 rpm with rotary coupling -- partslist only

Baugruppe / Assembly group: **2627795**

Seite / Page: **02.5-2**

Zeichn.Nr. / Draw. No.: **enthalten in 2639140**
included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezifikation
2627792	KPLNG Completion	MSP*SK40*14000*O*DDF

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezifikation	Menge Quantity	Einh. Unit
10	2622684	MSP Motor spindle	DMS*14000*14KW*SK40*O*DD	1	pcs
11	27075588	O-RING	OR200*5*VITON	1	st
12	26200052	O-RING ZYL-SHR-I6KT	M8*20*12.9*912	12	st
13	27066210	Hexagon socket cap screw GEWINDESTIFT-DIN	M8X1*8*DIN913	4	st
20	93001011	hex-socket set screw VS-HY	WH*8*LR*KDS OMD	2	st
21	27078079	Screw connection hydraulic VS-PN	8*1/4*1823 373 048	1	st
30	2376175	Screw connection pneumatic HALTER	KLEMMKASTEN	1	pcs
31	26050226	Holder ZYL-SHR-I6KT	M8*20*8.8*912	2	st
35	2270454	Hexagon socket cap screw KLEMMKAST	KPLT*MSP*Y/D	1	st
36	26050193	Terminal box ZYL-SHR-I6KT	M6*12*8.8*912	2	st
45	2709072	Hexagon socket cap screw R-S-VENTIL	G1/2*SPERRL.ANSCHL.	1	st
46	27066265	Return valve SCHLAUCHTUELLE	13*R1/2" 0123	1	st
47	27051881	hose liner VS-SM	4*M8x1*404.612 ÜBERWURF.	1	st
48	27051300	Screw connection lubrication KEGELRING	4*404.611	1	st
		TAPER RING			

Komplettierung Motorspindel SK40 14.000 ohne Drehdurchführung -- nur Stückliste
Completion motorspindle SK40 14,000 rpm without rotary coupling -- partslist only

Baugruppe / Assembly group: **2627792**Seite / Page: **02.6-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140**included in 2639140**Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
49	27051171	EINSTECKHUELSE inserting sleeve	404.603	1	st
50	27083340	VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR plastic pipe	4*0.85*WVN 716-	,3	m
60	2707326	SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
62	26050187	ZYL-SHR-I6KT	M5*35*8.8*912	1	st
63	26050427	Hexagon socket cap screw 6KT-MUTTER	M5*8.8*BR*934	1	st
65	2320406	Hexagon nut TEMPER-SENSOR	PT100 1m Kabel	1	pcs
66	26050159	Temperature sensor ZYL-SHR-I6KT	M4*10*8.8*6912	2	st
67	27058265	Hexagon socket cap screw GEWINDEBUCHSE threaded insert	M6*M4*6.0	2	st

Komplettierung Motorspindel SK40 14.000 ohne Drehdurchführung -- nur Stückliste

Completion motorspindle SK40 14,000 rpm without rotary coupling -- partslist only

Baugruppe / Assembly group: **2627792**

Seite / Page: **02.6-2**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2629182	KPLNG Completion	MSP*SK40*18000

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2591820	MSP Motor spindle	DMS*18000*35KW*SK40	1	pcs
11	27075588	O-RING	OR200*5*VITON	1	st
12	26200052	O-RING ZYL-SHR-I6KT	M8*20*12.9*912	12	st
13	27066210	Hexagon socket cap screw GEWINDESTIFT-DIN	M8X1*8*DIN913	4	st
20	27081125	hex-socket set screw VS-HY	GE*08*L*R*ED*A3C	2	st
21	27078295	Screw connection hydraulic VS-PN	10*1/4*1823 391 558	1	st
30	2376175	Screw connection pneumatic HALTER	KLEMMKASTEN	1	pcs
31	26050226	Holder ZYL-SHR-I6KT	M8*20*8.8*912	2	st
35	2270454	Hexagon socket cap screw KLEMMKAST	KPLT*MSP*Y/D	1	st
36	26050193	Terminal box ZYL-SHR-I6KT	M6*12*8.8*912	2	st
45	2709072	Hexagon socket cap screw R-S-VENTIL	G1/2*SPERRL.ANSCHL.	1	st
46	27066265	Return valve SCHLAUCHTUELLE	13*R1/2" 0123	1	st
47	27051881	hose liner VS-SM	4*M8x1*404.612 ÜBERWURF.	4	st
48	27051300	Screw connection lubrication KEGELRING TAPER RING	4*404.611	4	st

Komplettierung Motorspindel SK40 18.000 -- nur Stückliste

Completion motorspindle SK40 18,000 rpm -- partslist only

Baugruppe / Assembly group: **2629182**

Seite / Page: **02.7-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
49	27051171	EINSTECKHUELSE inserting sleeve	404.603	4	st
50	27083340	VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR plastic pipe	4*0.85*WVN 716-	,3	m
60	2707326	SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
65	2320406	TEMPER-SENSOR Temperature sensor	PT100 1m Kabel	1	pcs
66	26050159	ZYL-SHR-I6KT	M4*10*8.8*6912	2	st
67	27058265	Hexagon socket cap screw GEWINDEBUCHSE threaded insert	M6*M4*6.0	4	st
90	2583029	ZBS	ME*ENTLUEFTUNG*HYD.A1+A2	1	pcs
100	2727300	Add-on set ZBS	ME*OEL-LUFT-SCHM*18-24000	1	st
101	26050623	Add-on set SCHEIBE	9*4.3*0.8*A*125*ST-BR	2	st
102	26051611	Washer ZYL-SHR-I6KT	M4*50*DIN912*8.8	2	st

Komplettierung Motorspindel SK40 18.000 -- nur Stückliste

Completion motorspindle SK40 18,000 rpm --- partslist only

Baugruppe / Assembly group: **2629182**

Seite / Page: **02.7-2**

Zeichn.Nr. / Draw. No.: **enthalten in 2639140**

included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Specification
2629183	KPLNG Completion	MSP*HSK-A63*18000

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Specification	Menge Quantity	Einh. Unit
10	2591821	MSP Motor spindle	DMS*18000*35KW*HSK-A63	1	pcs
11	27075588	O-RING	OR200*5*VITON	1	st
12	26200052	ZYL-SHR-I6KT	M8*20*12.9*912	12	st
13	27066210	Hexagon socket cap screw GEWINDESTIFT-DIN	M8X1*8*DIN913	4	st
20	27081125	hex-socket set screw VS-HY	GE*08*L*R*ED*A3C	2	st
21	27078295	Screw connection hydraulic VS-PN	10*1/4*1823 391 558	1	st
30	2376175	Screw connection pneumatic HALTER	KLEMMKASTEN	1	pcs
31	26050226	Holder ZYL-SHR-I6KT	M8*20*8.8*912	2	st
35	2270454	Hexagon socket cap screw KLEMMKAST	KPLT*MSP*Y/D	1	st
36	26050193	Terminal box ZYL-SHR-I6KT	M6*12*8.8*912	2	st
45	2709072	Hexagon socket cap screw R-S-VENTIL	G1/2*SPERRLANSCHL.	1	st
46	27066265	Return valve SCHLAUCHTUELLE	13*R1/2" 0123	1	st
47	27051881	hose liner VS-SM	4*M8x1*404.612 ÜBERWURF.	4	st
48	27051300	Screw connection lubrication KEGELRING TAPER RING	4*404.611	4	st

Komplettierung Motorspindel HSK-A63 18.000 -- nur Stückliste
Completion motorspindle HSK-A63 18,000 rpm -- partslist only

Baugruppe / Assembly group: **2629183**Seite / Page: **02.8-1**

Zeichn.Nr. / Draw. No.: **enthalten in 2639140**
included in 2639140

Bl. / Page: **1(2)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
49	27051171	EINSTECKHUELSE inserting sleeve	404.603	4	st
50	27083340	VS-PN	12*3/8*1823 391 561	2	st
51	27078308	Screw connection pneumatic VS-PN	10*3/8*QR2-S-RW1	1	st
52	2709038	Screw connection pneumatic VS-PN	10/8*QST-10-8*153136	1	st
53	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
54	27077981	Screw connection pneumatic KUNSTSTOFFROHR plastic pipe	4*0.85*WVN 716-	,3	m
60	2707326	SENSOR	PT100 A 0-100Grad	1	st
61	27079027	Sensor STECKVERBIND.	SAIS-5/7*WEIDMUE	1	st
65	2320406	TEMPER-SENSOR Temperature sensor	PT100 1m Kabel	1	pcs
66	26050159	ZYL-SHR-I6KT	M4*10*8.8*6912	2	st
67	27058265	Hexagon socket cap screw GEWINDEBUCHSE	M6*M4*6.0	4	st
90	2583029	threaded insert ZBS	ME*ENTLUEFTUNG*HYD.A1+A2	1	pcs
100	2727300	Add-on set ZBS	ME*OEL-LUFT-SCHM*18-24000	1	st
101	26050623	Add-on set SCHEIBE	9*4.3*0.8*A*125*ST-BR	2	st
102	26051611	Washer ZYL-SHR-I6KT	M4*50*DIN912*8.8	2	st

Komplettierung Motorspindel HSK-A63 18.000 -- nur Stückliste

Completion motorspindle HSK-A63 18,000 rpm -- partlist only

Baugruppe / Assembly group: **2629183**

Seite / Page: **02.8-2**

Zeichn.Nr. / Draw. No.: **enthalten in 2639140**

included in 2639140

Bl. / Page: **2(2)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2719346	ABT add-on components	C-ACHSE 0.RON/RCN C-ACHSE 0.RON/RCN

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
11	2718617	FEDERBAND <i>spring hinge</i>	0.15*16*1382.6 <i>0.15*16*1382.6</i>	1	st
12	26050136	HALBRUNDKERBNAGEL <i>ROUND-HEADED NOTCHED NAIL</i>	2*6*DIN1476* <i>2*6*DIN1476*</i>	2	st
20	2720806	KLOTZ <i>block</i>	20*15*18 <i>20*15*18</i>	1	st
21	26050205	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*35*8.8*912 <i>M6*35*8.8*912</i>	1	st
22	24040191	ZEIGER	MICROMAT <i>MICROMAT</i>	1	st
23	26050135	HALBRUNDKERBNAGEL <i>ROUND-HEADED NOTCHED NAIL</i>	1.4*6*DIN147 <i>1.4*6*DIN147</i>	2	st

Anbauteile C-Achse ohne RON/ RNC -- nur Stückliste
Annexe parts C-axis without RON/ RNC -- partslist only

Baugruppe / Assembly group: **2719346**

Seite / Page: **02.9-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **1(1)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2377901	ABT <i>add-on components</i>	C-ACHSE M.RCN C-ACHSE M.RCN

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezification</i>	<i>Quantity</i>	<i>Unit</i>
1	2358946	DREHGEBER <i>shaft encoder</i>	RCN226*16384*ABS <i>RCN226*16384*ABS*KABEL</i>	1	pcs
3	26050163	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M4*16*8.8*912 <i>M4*16*8.8*912</i>	4	st
4	2272996	SCHEIBE <i>Washer</i>	6.4*5 <i>6.4*5</i>	1	st
5	26050195	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M6*16*8.8*912 <i>M6*16*8.8*912</i>	1	st
6	26070008	PASSSCHEIBE <i>SHIM</i>	22*30*0.1*DIN988 <i>22*30*0.1*DIN988</i>	2	st
7	2728381	PASSSCHEIBE <i>adjusting washer</i>	22*30*0.3*988 <i>22*30*0.3*988</i>	1	st

Anbauteile C-Achse mit RNC -- nur Stückliste

Annexe parts C-axis with RNC -- partslist only

Baugruppe / Assembly group: **2377901**Seite / Page: **02.10-1**Zeichn.Nr. / Draw. No.: **enthalten in 2639140****included in 2639140**Bl. / Page: **1(1)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezifikation</i>
2501555	ABT <i>add-on components</i>	C-ACHSE*M.RCN*DDF

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezifikation</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
1	2358946	DREHGEBER <i>shaft encoder</i>	RCN226*16384*ABS	1	pcs
3	26050163	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M4*16*8.8*912	4	st
4	10233169	BOLZEN <i>bolt</i>	28*22*53	1	st
5	26050237	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*70*8.8*6912	1	st
7	2728381	PASSCHEIBE <i>adjusting washer</i>	22*30*0.3*988	1	st
8	26070008	PASSCHEIBE <i>SHIM</i>	22*30*0.1*DIN988	1	st

Anbauteile C-Achse mit RNC/DDF -- nur Stückliste

Annexe parts C-axis with RNC/ eotary coupling -- partslist only

Baugruppe / Assembly group: **2501555**Seite / Page: **02.11-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140**included in 2639140**Bl. / Page: **1(1)**

Stückliste

/

Partlist

<i>Baugruppe</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>
<i>Product-Id.</i>	<i>Designation</i>	<i>Spezifikation</i>
2726541	ABT <i>add-on components</i>	B-ACHSE O. RON/RCN B-ACHSE O. RON/RCN

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezifikation</i>	<i>Quantity</i>	<i>Unit</i>
10	2718303	FEDERBAND <i>spring hinge</i>	0.15*16*665.6 <i>0.15*16*665.6</i>	1	st
11	26050136	HALBRUNDKERBNAGEL <i>ROUND-HEADED NOTCHED NAIL</i>	2*6*DIN1476* <i>2*6*DIN1476*</i>	2	st
12	24040191	ZEIGER	MICROMAT <i>MICROMAT</i>	1	st
13	26050135	HALBRUNDKERBNAGEL <i>ROUND-HEADED NOTCHED NAIL</i>	1.4*6*DIN147 <i>1.4*6*DIN147</i>	2	st

Anbauteile B-Achse ohne RON/ RNC-- nur Stückliste
Annexe parts B-axis without RON/ RNC -- partslist only

Baugruppe / Assembly group: **2726541**

Seite / Page: **02.12-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140
included in 2639140

Bl. / Page: **1(1)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2377902	ABT add-on components	B-ACHSE M.RCN B-ACHSE M.RCN

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
1	2358946	DREHGEBER shaft encoder	RCN226*16384*ABS RCN226*16384*ABS*KABEL	1	pcs
2	26050183	ZYL-SHR-I6KT hexagon socket screw	M5*20*8.8*912 M5*20*8.8*912	4	st
3	2716633	RING ring	120*85*21.5 120*85*21.5	1	st
4	26050163	ZYL-SHR-I6KT hexagon socket screw	M4*16*8.8*912 M4*16*8.8*912	4	st
5	2272996	SCHEIBE Washer	6.4*5 6.4*5	1	st
6	26050215	ZYL-SHR-I6KT hexagon socket screw	M6*65*8.8*912 M6*65*8.8*912	1	st
7	26070008	PASSSCHEIBE SHIM	22*30*0.1*DIN988 22*30*0.1*DIN988	1	st

Anbauteile B-Achse mit RNC -- nur Stückliste
Annexe parts B-axis with RNC -- partslist only

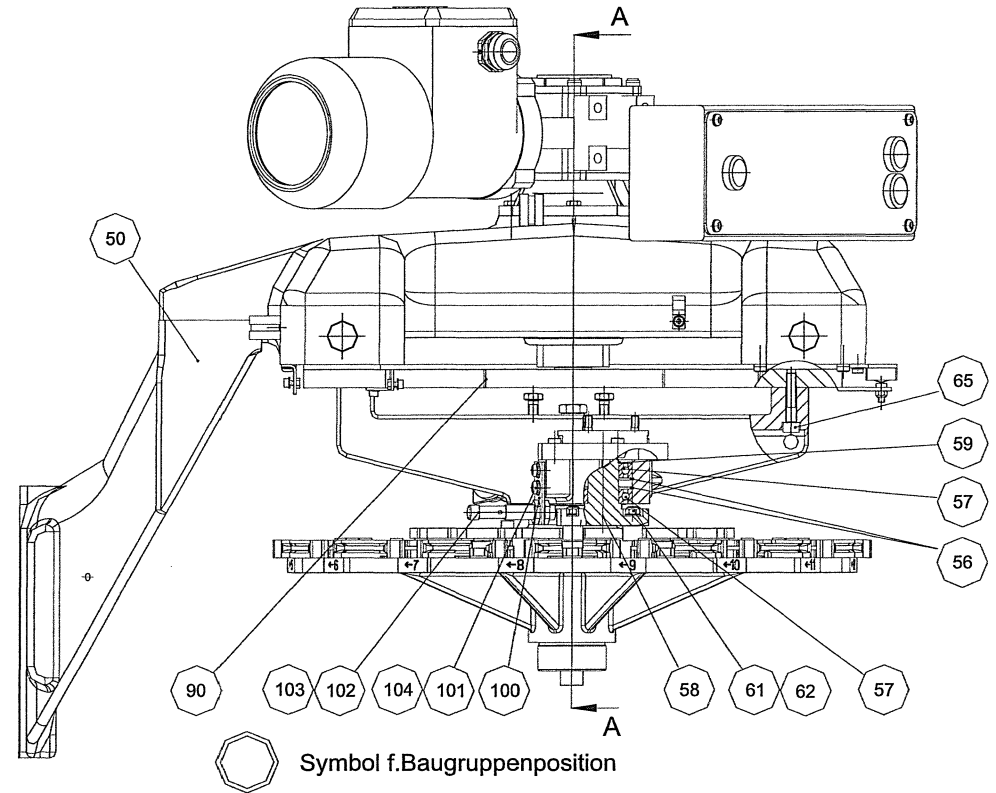
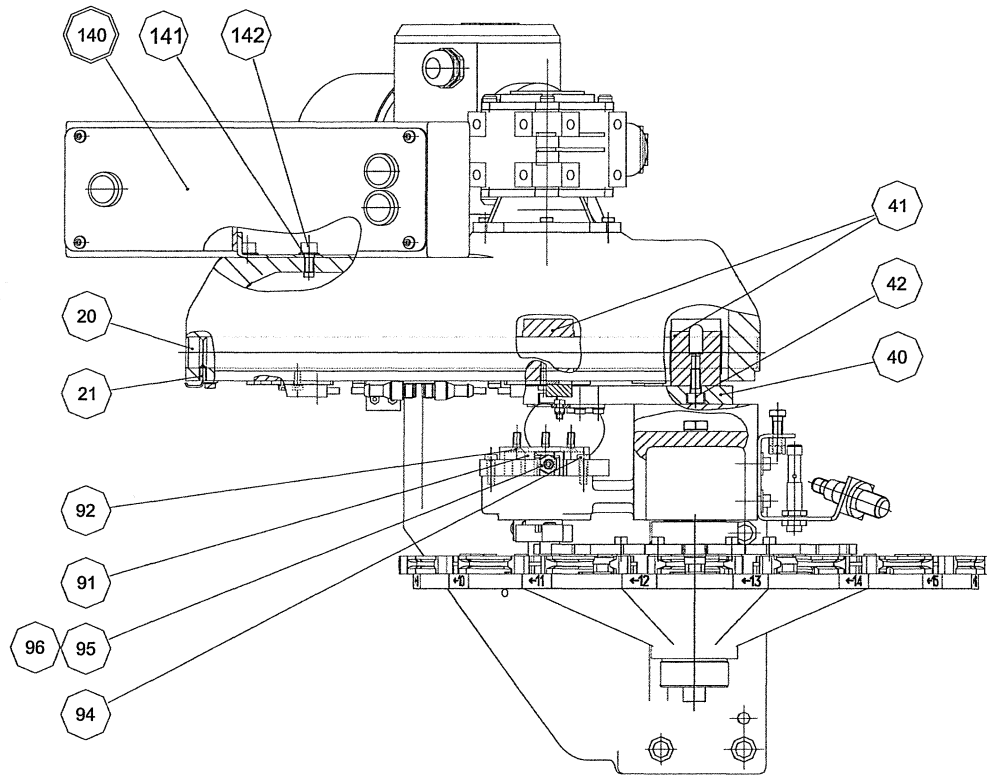
Baugruppe / Assembly group: **2377902**Seite / Page: **02.13-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140
included in 2639140

Bl. / Page: **1(1)**





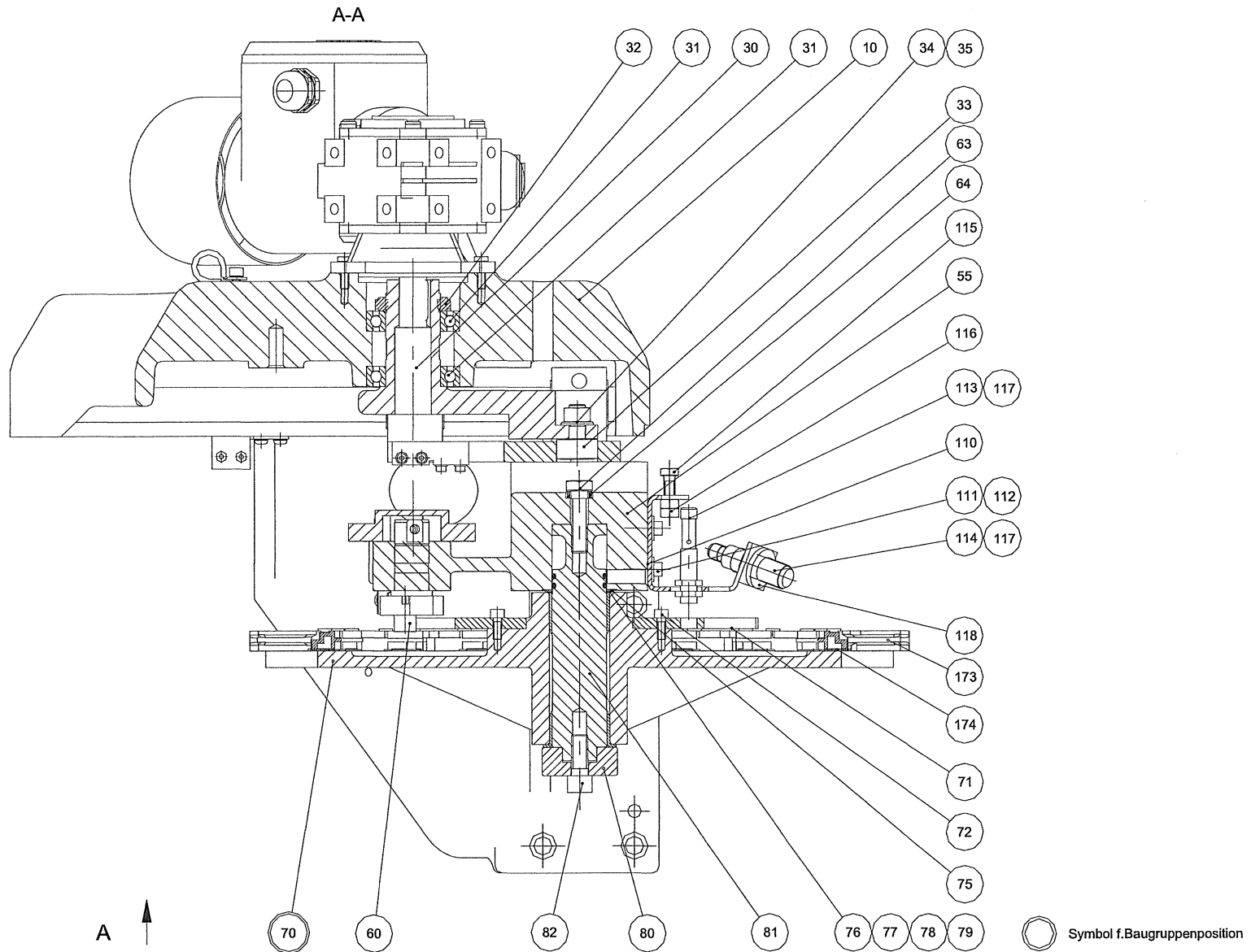
Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-1

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 1 (9)



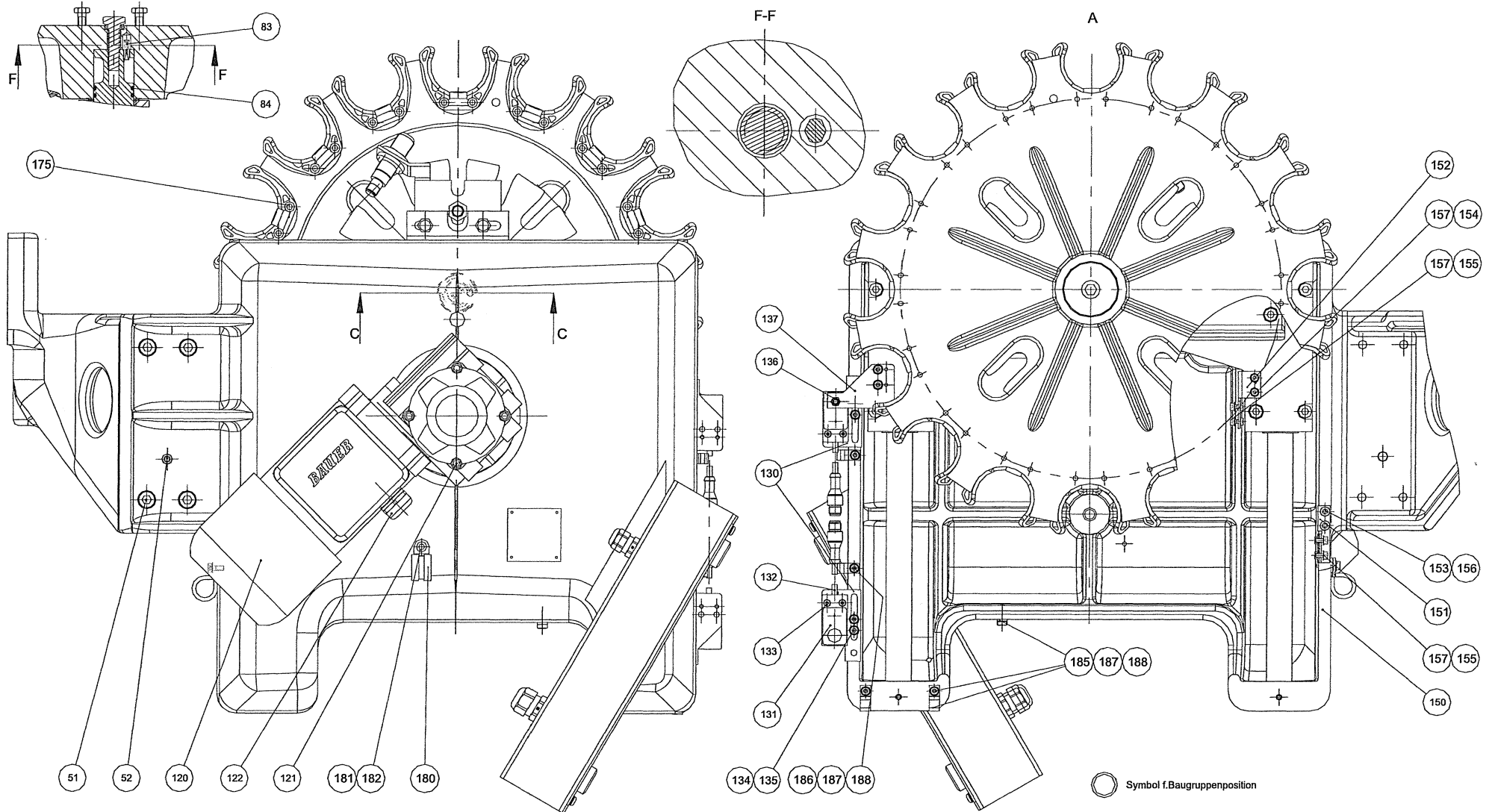
Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: **2647075**

Seite / Page: **02.14-2**

Zeichn.Nr. / Draw. No.: **2647075**

Bl. / Page: **2 (9)**



Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-3

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 3 (9)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2647075	WZM Tool magazine	16WZ*SK40*HSK-A63

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2498086	TRAEGER Carrier	WZM*16WZ	1	pcs
20	2717153	WELLE Shaft	25*0*25*467	2	st
21	26050100	GEWINDESTIFT-DIN hex-socket set screw	M6*12*DIN914*	2	st
30	2717140	WELLE Shaft	48*38*40*99*HL120	1	st
31	27054998	RIL-KUG-LAG Deep groove ball bearing	40*68*15*2RS	2	st
32	27073874	NUTMÜTTER SLOTTED NUT	M40X1,5*GUK*SELBSTSI	1	st
33	27066493	KURVENROLLE cam roller	KR 30 PP SK*D30*IN	1	st
34	26050636	SCHEIBE Washer	24*13*2.5*B*125*ST-BR	1	st
35	26067420	6KT-MUTTER hexagon nut	M12X1,5*DIN934*BR	1	st
40	2717117	PLATTE Plate	434*170*15	1	st
41	27077214	LINEARFUEHRUNG Linear guide	1027-225-40 FA.	4	st
42	26050226	ZYL-SHR-I6KT Hexagon socket cap screw	M8*20*8.8*912	8	st
50	2721297	KONSOLE Console	16 WZ	1	st
51	26050248	ZYL-SHR-I6KT Hexagon socket cap screw	M10*40*8.8*912	4	st

Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-4

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 4 (9)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
52	26050762	ZYL-STIFT-IGW	C*10*40*DIN7979*	1	st
55	2716327	TRAEGER	16 WZ	1	st
56	26050562	Carrier SI-RING	47*1,75	2	st
57	27052330	Retaining ring RK-LAGER	6005-2RS	2	st
58	2720161	WELLE	74*24.5*25*70	1	st
59	26050545	Shaft SICHERUNGSRING	25*1.2*DIN471	1	st
60	27074468	LOCK RING KURVENROLLE	KRV 16 PP*D16*INA	2	st
61	26050629	cam roller SCHEIBE	12.5*6.4*1.6*B*125	2	st
62	26065186	Washer 6KT-MUTTER	M6*DIN985*8*VERZ.	2	st
63	2647373	6KT-SHR	M12*45*12.9*SW*933	1	pcs
64	2647113	Hexagon-head screw BUCHSE	18*14*5	1	pcs
65	26050231	bush ZYL-SHR-I6KT	M8*40*8.8*912	4	st
70	2717172	Hexagon socket cap screw MAGAZINRAD	16WZ/MIT BUCHSEN	1	st
71	2717121	Magazine wheel SCHEIBE	262*78*8	1	st
72	26050195	Washer ZYL-SHR-I6KT	M6*16*8.8*912	6	st
75	2717200	Hexagon socket cap screw PASSSCHEIBE	40*50*1.5*DIN988	1	st
76	2250774	Adjusting washer PASSSCHEIBE	40*50*0,5*DIN988	1	st

Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-5

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 5 (9)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
80	2722015	SHIM ACHSE	55*21	1	st
81	2722016	axis ACHSE	40*L172.5	1	st
82	26200066	axis ZYL-SHR-I6KT	M12*30*12.9*912	1	st
83	2719026	Hexagon socket cap screw AUFN-BOLZEN	C*8*10*DIN6321	1	st
84	27054178	locating bolt O-RING	OR34.2*3.0	2	st
90	2727586	O-RING DC-SER-MO	DCK31*72*4Nm	1	st
91	2727501	dc servo-motor SCHEIBE	105*26*23*WZM 16 WZ	1	st
92	2728164	Washer SCHNEID-SHR	SENK-TORX*6*16	3	st
94	26050200	Cutting screw ZYL-SHR-I6KT	M6*20*8.8*6912	3	st
95	26050118	Hexagon socket cap screw GEWINDESTIFT-DIN	M8*16*DIN913*	2	st
96	26050430	hex-socket set screw 6KT-MUTTER	M8*8.8*934	2	st
100	2717156	Hexagon nut HALTER	51x30x2	1	st
101	27065213	holder LI-SHR-I6KT	M6*10*10.9*7380	2	st
102	27072549	Hexagon rounded head screw NAEHERUNGSSCHALTER	BES 516 113	1	st
103	2723026	PROXIMITY SWITCH VERB-LTG	MSD*5*M12W*M12G*2m	1	st
104	26050629	Connection line SCHEIBE	12.5*6.4*1.6*B*125	2	st
		Washer			

Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-6

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 6 (9)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
110	2498088	BLECH sheet	SENSOR	1	pcs
111	26070983	SCHEIBE Washer	18*6.4*1.6*A*DIN9021	4	st
112	26050195	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*8.8*912	4	st
113	27072549	NAEHERUNGSSCHALTER PROXIMITY SWITCH	BES 516 113	1	st
114	2705668	SENSOR Sensor	BOS 18M-PA-1HA-S4-C	1	st
115	26050444	6KT-SHR Hexagon-head screw	M8*30*8.8*933	2	st
116	26050430	6KT-MUTTER Hexagon nut	M8*8.8*934	4	st
117	2723026	VERB-LTG Connection line	MSD*5*M12W*M12G*2m	2	st
118	26078872	SCHEIBE-DIN DISK-DIN	18*30*4*DIN1440*ST	2	st
120	2721570	GT-MOTOR Gear motor	BS03*0.18*400V*27*V1	1	st
121	26050440	6KT-SHR HEXHEAD BOLD	M6*20*DIN933*8.8	4	st
122	2713534	KAB-VERS Cable connection	SKIN*M25X1.5*9-16.5	1	st
130	2554293	HALTER Holder	SENSOR	2	pcs
131	2432194	NAEH-SCHALT Proximity switch	BES516*5*25X50X10	2	st
132	2410064	A-LTG connection line	M12-M12*4p.*DESINA*2,0M	2	st
133	26050159	ZYL-SHR-I6KT Hexagon socket cap screw	M4*10*8.8*6912	4	st
134	26050177	ZYL-SHR-I6KT	M5*12*8.8*6912	7	st

Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-7

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 7 (9)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
135	26050626	Hexagon socket cap screw SCHEIBE	10*5.3*1*B*125*ST-BR	6	st
136	26073679	Washer 6KT-MUTTER	M5*DIN985*8	1	st
137	2544886	HALTER		1	pcs
140	2589539	Holder KLEMMKAST	WZM*16WZ	1	pcs
141	26050631	Terminal box SCHEIBE	17*8.4*1.6*B*125*ST-BR	2	st
142	26050223	Washer ZYL-SHR-I6KT	M8*16*8.8*912	2	st
150	2722024	Hexagon socket cap screw ENERGIEZUF	BI5.015.038.0	1	st
151	2722033	power track chain HALTER	ENERGIEKETTE	1	st
152	2722036	holder HALTER	ENERGIEKETTE	1	st
153	26050626	holder SCHEIBE	10*5.3*1*B*125*ST-BR	2	st
154	26050160	Washer ZYL-SHR-I6KT	M4*10*8.8*912	2	st
155	26050156	Hexagon socket cap screw ZYL-SHR-I6KT	M4*8*8.8*912	4	st
156	27200008	Hexagon socket cap screw LI-SHR-I6KT	M5*10*10.9*7380	2	st
157	26050623	Hexagon rounded head screw SCHEIBE	9*4.3*0.8*A*125*ST-BR	6	st
173	2724535	Washer KLEMMSEGMENT	SK40/HSK63	16	st
174	2718606	Clamping segment BLECH	F.KLAMMER WZM	16	st
		sheet			

Werkzeugmagazin 16 Werkzeuge // Tool magazine 16 tools

Baugruppe / Assembly group: 2647075

Seite / Page: 02.14-8

Zeichn.Nr. / Draw. No.: 2647075

Bl. / Page: 8 (9)

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
175	26050199	ZYL-SHR-I6KT Hexagon socket cap screw	M6*20*8.8*912	32	st
180	2291020	SHL-SHELLE Hose clamp	1*18/15*RSGU	2	st
181	26050177	ZYL-SHR-I6KT Hexagon socket cap screw	M5*12*8.8*6912	2	st
182	26050626	SCHEIBE Washer	10*5.3*1*B*125*ST-BR	2	st
185	27051075	BEF-SHELLE securing clip / bracket	3*4*604-003*VOGEL	3	st
186	27078641	BEF-SHELLE securing clip / bracket	6.5*2X4,0X4,0	2	st
187	26050626	SCHEIBE Washer	10*5.3*1*B*125*ST-BR	5	st
188	26050177	ZYL-SHR-I6KT Hexagon socket cap screw	M5*12*8.8*6912	5	st



Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2597177	ABT add-on components	WZM*16WZ*DMU50

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
1	26050908	ZYL-SHR-I6KT Hexagon socket cap screw	M12*30*8.8*912	4	st
2	26050762	ZYL-STIFT-IGW	C*10*40*DIN7979*	1	st
3	26050314	KEGELSTIFT taper pin	A*10*40*DIN7978*ST	1	st
10	2597178	BLECH metal sheet	KABELFUEHRUNG	1	pcs
12	26070983	SCHEIBE Washer	18*6.4*1.6*A*DIN9021	2	st
14	27068040	LI-SHR-I6KT Hexagon rounded head screw	M6*12*10.9*7380	2	st

Anbauteile Werkzeugmagazin 16 Werkzeuge -- nur Stückliste

Annexe parts - Tool magazine - 16 tools-- partslist only

Baugruppe / Assembly group: **2597177**

Seite / Page: **02.19-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **1(1)**



Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Specification
2643356	ABT add-on components	WZM*30WZ*GIFU*DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Specification	Menge Quantity	Einh. Unit
10	2613775	TRAEGER Carrier	WZM*DMU50	1	pcs
12	26062895	ZYL-STIFT-IGW	D*16*50*DIN7979*	2	st
20	26200395	ZYL-SHR-I6KT Hexagon socket cap screw	M12*40*12.9*912	4	st
30	26062895	ZYL-STIFT-IGW	D*16*50*DIN7979*	2	st
60	2622361	RAHMEN Frame	MEDIENVERSORGUNG	1	pcs
62	26080883	ZYL-SHR-I6KT	M8*22*DIN912*12.9	6	st
64	26050633	SCHEIBE Washer	25*8.4*2*A*9021*ST-BR	6	st
65	2643701	BLECH metal sheet	WZM*GIFU*1,5mm	2	pcs
66	2644540	BLECH metal sheet	WZM*GIFU*1,5mm	2	pcs
67	2362632	SENK-SHR-I6KT Hexagon countersunk head screw	M5*10*10642*SW	4	pcs
70	26081151	ZYL-SHR-I6KT Hexagon socket cap screw	M16*50*12.9*912	4	st
85	27071612	ABSTANDSBOLZEN distance bolt	M6*40*FORM B	3	st
86	26070983	SCHEIBE Washer	18*6.4*1.6*A*DIN9021	6	st
90	2641319	HALTER Holder	TOOL*UNLOCK*MAG*60	1	pcs

Anbauteile Werkzeugmagazin 30 Werkzeuge GIFU -- nur Stückliste

Annexe parts - Tool magazine - 30 tools GIFU -- partslist only

Baugruppe / Assembly group: **2643356**

Seite / Page: **02.20-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **1(3)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
92	26070983	SCHEIBE Washer	18*6.4*1.6*A*DIN9021	3	st
93	26050195	ZYL-SHR-I6KT Hexagon socket cap screw	M6*16*8.8*912	3	st
95	2640981	DRUCKSTUECK	FED*GN611-M12-10-L	2	pcs
97	26051121	thrust pad 6KT-MUTTER	B*M12*DIN439*BR	2	st
100	2646297	hexagon nut HALTER	KLEMMKASTEN*VENTILE*WZW	1	pcs
102	26050629	Holder SCHEIBE	12.5*6.4*1.6*B*125	2	st
103	26050193	Washer ZYL-SHR-I6KT	M6*12*8.8*912	2	st
105	2377216	Hexagon socket cap screw WEGEVENTIL	5/2*BISTABIL*SMC	2	pcs
107	26057116	Directional control valve SCHEIBE-DIN	B*3.2*7*0.5	4	st
108	26050422	DISK-DIN 6KT-MUTTER	M3*DIN934*BR	4	st
111	2352748	hexagon nut SCHALLDAEMPFER	AN103-01	4	pcs
112	2349310	Sound absorber VS-PN	KQ2H08-01S	2	pcs
113	26050154	Screw connection pneumatic ZYL-SHR-I6KT	M3*10*8.8*912	4	st
114	2378274	Hexagon socket cap screw BEF-ELEM	SEITENPLATTE	2	pcs
115	2722828	fixing elements VERB-LTG	MSUD*M12*0.6m	4	st
117	2416741	Connection line VS-PN	8/6*1823 391 619*RED.	2	st
120	27078080	Screw connection pneumatic KUNSTSTOFFROHR	8*1*1820 712 0	1,5	m

Anbauteile Werkzeugmagazin 30 Werkzeuge GIFU -- nur Stückliste

Annexe parts - Tool magazine - 30 tools GIFU -- partslist only

Baugruppe / Assembly group: **2643356**

Seite / Page: **02.20-2**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **2(3)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
121	27078080	plastic pipe KUNSTSTOFFROHR	8*1*1820 712 0	1,5	m
130	2627899	plastic pipe KLEMMKAST	WZM*GIFU	1	pcs
150	2660680	Terminal box BLECH	TUERSICHERUNG*DMU50	1	pcs
160	26050627	metal sheet SCHEIBE	15*5.3*1.6*A*9021*BR	2	st
170	26050180	Washer ZYL-SHR-I6KT	M5*16*8.8*912	2	st
180	26050633	Hexagon socket cap screw SCHEIBE	25*8.4*2*A*9021*ST-BR	2	st
190	2660682	Washer BLECH	TUER*DMU50*DMU70	1	pcs
200	26070983	metal sheet SCHEIBE	18*6.4*1.6*A*DIN9021	2	st
210	26050429	Washer 6KT-MUTTER	M6*8.8*BR*934	2	st
220	2396525	Hexagon nut SCHILD Plate	SYMBOL*CL150*20*20	1	pcs

Anbauteile Werkzeugmagazin 30 Werkzeuge GIFU -- nur Stückliste

Annexe parts - Tool magazine - 30 tools GIFU -- partslist only

Baugruppe / Assembly group: **2643356**

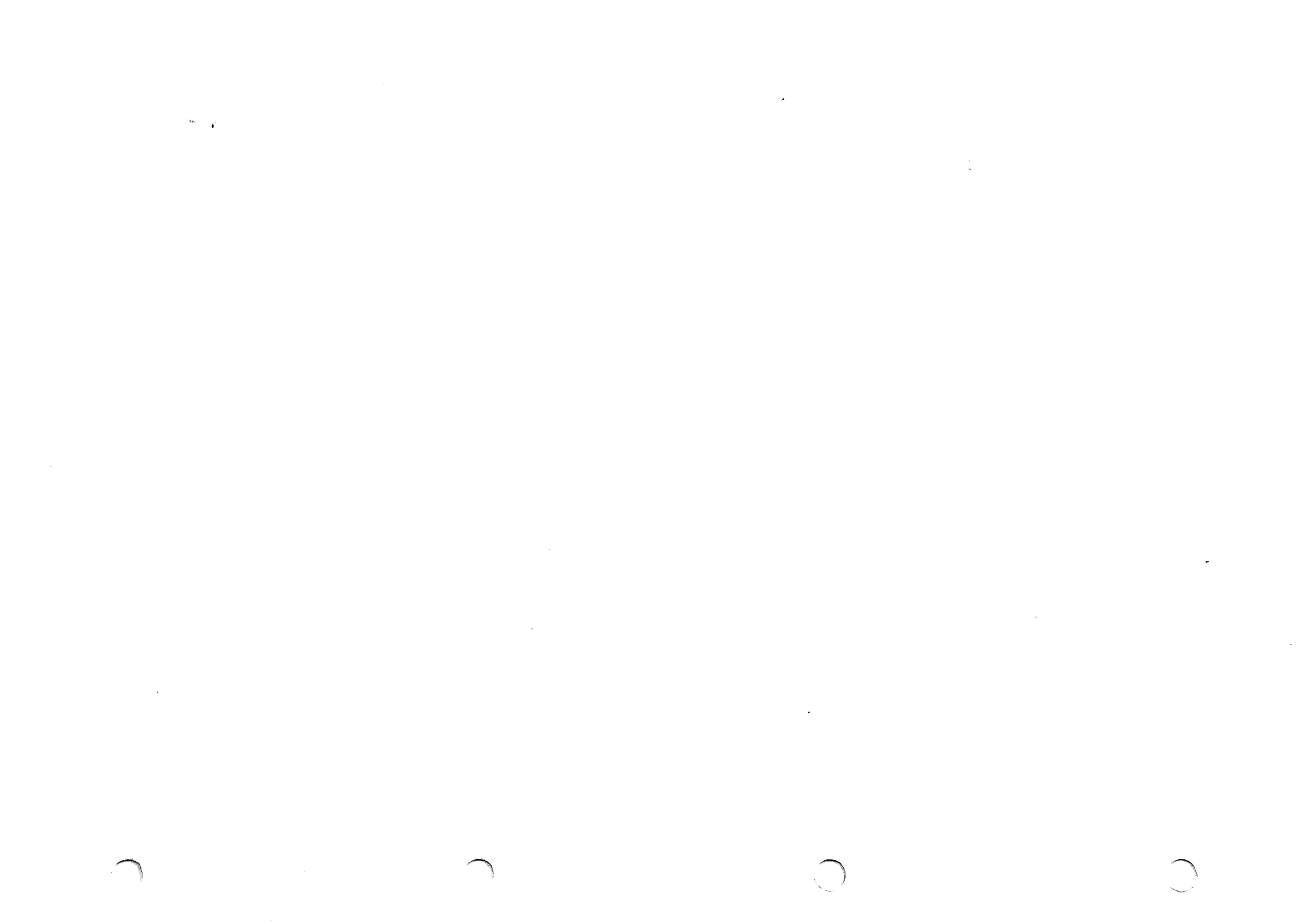
Seite / Page: **02.20-3**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **3(3)**



Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2643357	ABT add-on components	WZM*60WZ*GIFU*DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2613775	TRAEGER Carrier	WZM*DMU50	1	pcs
12	26062895	ZYL-STIFT-IGW	D*16*50*DIN7979*	2	st
20	26200395	ZYL-SHR-I6KT Hexagon socket cap screw	M12*40*12.9*912	4	st
30	26062895	ZYL-STIFT-IGW	D*16*50*DIN7979*	2	st
40	2625139	HALTER Holder	WZM*60WZ	1	pcs
42	26050908	ZYL-SHR-I6KT Hexagon socket cap screw	M12*30*8.8*912	4	st
50	2666180	STUETZE Support	WZM*60WZ*DMU50	1	pcs
51	26056988	ZYL-SHR-I6KT	M12*35*DIN912*8.8	4	st
52	26050636	SCHEIBE Washer	24*13*2.5*B*125*ST-BR	4	st
53	26050244	ZYL-SHR-I6KT Hexagon socket cap screw	M10*30*8.8*912	4	st
54	26051423	ZYL-STIFT-IGW	C*12*45*DIN7979*	1	st
60	2622361	RAHMEN Frame	MEDIENVERSORGUNG	1	pcs
62	26080883	ZYL-SHR-I6KT	M8*22*DIN912*12.9	6	st
64	26050633	SCHEIBE Washer	25*8.4*2*A*9021*ST-BR	6	st

Anbauteile Werkzeugmagazin 60 Werkzeuge GIFU -- nur Stückliste

Annexe parts - Tool magazine - 60 tools GIFU -- partslist only

Baugruppe / Assembly group: **2643357**

Seite / Page: **02.21-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **1(3)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
65	2643701	BLECH metal sheet	WZM*GIFU*1,5mm	2	pcs
66	2644540	BLECH metal sheet	WZM*GIFU*1,5mm	6	pcs
67	2362632	SENK-SHR-I6KT	M5*10*10642*SW	8	pcs
70	26081151	Hexagon countersunk head screw ZYL-SHR-I6KT	M16*50*12.9*912	4	st
90	2641319	Hexagon socket cap screw HALTER Holder	TOOL*UNLOCK*MAG*60	1	pcs
92	26050633	SCHEIBE Washer	25*8.4*2*A*9021*ST-BR	2	st
93	26050226	ZYL-SHR-I6KT Hexagon socket cap screw	M8*20*8.8*912	2	st
95	2640981	DRUCKSTUECK thrust pad	FED*GN611-M12-10-L	2	pcs
97	26051121	6KT-MUTTER hexagon nut	B*M12*DIN439*BR	2	st
100	2646297	HALTER Holder	KLEMMKASTEN*VENTILE*WZW	1	pcs
102	26050629	SCHEIBE Washer	12.5*6.4*1.6*B*125	2	st
103	26050193	ZYL-SHR-I6KT Hexagon socket cap screw	M6*12*8.8*912	2	st
105	2377216	WEGEVENTIL Directional control valve	5/2*BISTABIL*SMC	1	pcs
107	26057116	SCHEIBE-DIN DISK-DIN	B*3.2*7*0.5	4	st
108	26050422	6KT-MUTTER hexagon nut	M3*DIN934*BR	4	st
111	2352748	SCHALLDAEMPFER Sound absorber	AN103-01	4	pcs
112	2349310	VS-PN	KQ2H08-01S	2	pcs

Anbauteile Werkzeugmagazin 60 Werkzeuge GIFU -- nur Stückliste

Annexe parts - Tool magazine - 60 tools GIFU -- partslist only

Baugruppe / Assembly group: **2643357**

Seite / Page: **02.21-2**

Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **2(3)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
113	26050154	Screw connection pneumatic ZYL-SHR-I6KT	M3*10*8.8*912	4	st
114	2378274	Hexagon socket cap screw BEF-ELEM	SEITENPLATTE	2	pcs
115	2722828	fixing elements VERB-LTG	MSUD*M12*0.6m	4	st
117	2416741	Connection line VS-PN	8/6*1823 391 619*RED.	2	st
120	27078080	Screw connection pneumatic KUNSTSTOFFROHR	8*1*1820 712 0	1,5	m
121	27078080	plastic pipe KUNSTSTOFFROHR	8*1*1820 712 0	1,5	m
130	2627899	plastic pipe KLEMMKAST	WZM*GIFU	1	pcs
150	2660680	Terminal box BLECH	TUERSICHERUNG*DMU50	1	pcs
160	26050627	metal sheet SCHEIBE	15*5.3*1.6*A*9021*BR	2	st
170	26050180	Washer ZYL-SHR-I6KT	M5*16*8.8*912	2	st
180	26050633	Hexagon socket cap screw SCHEIBE	25*8.4*2*A*9021*ST-BR	2	st
190	2660682	Washer BLECH	TUER*DMU50*DMU70	1	pcs
200	26070983	metal sheet SCHEIBE	18*6.4*1.6*A*DIN9021	2	st
210	26050429	Washer 6KT-MUTTER	M6*8.8*BR*934	2	st
220	2396525	Hexagon nut SCHILD	SYMBOL*CL150*20*20	1	pcs
		Plate			

Anbauteile Werkzeugmagazin 60 Werkzeuge GIFU -- nur Stückliste

Annexe parts - Tool magazine - 60 tools GIFU -- partslist only

Baugruppe / Assembly group: **2643357**

Seite / Page: **02.21-3**

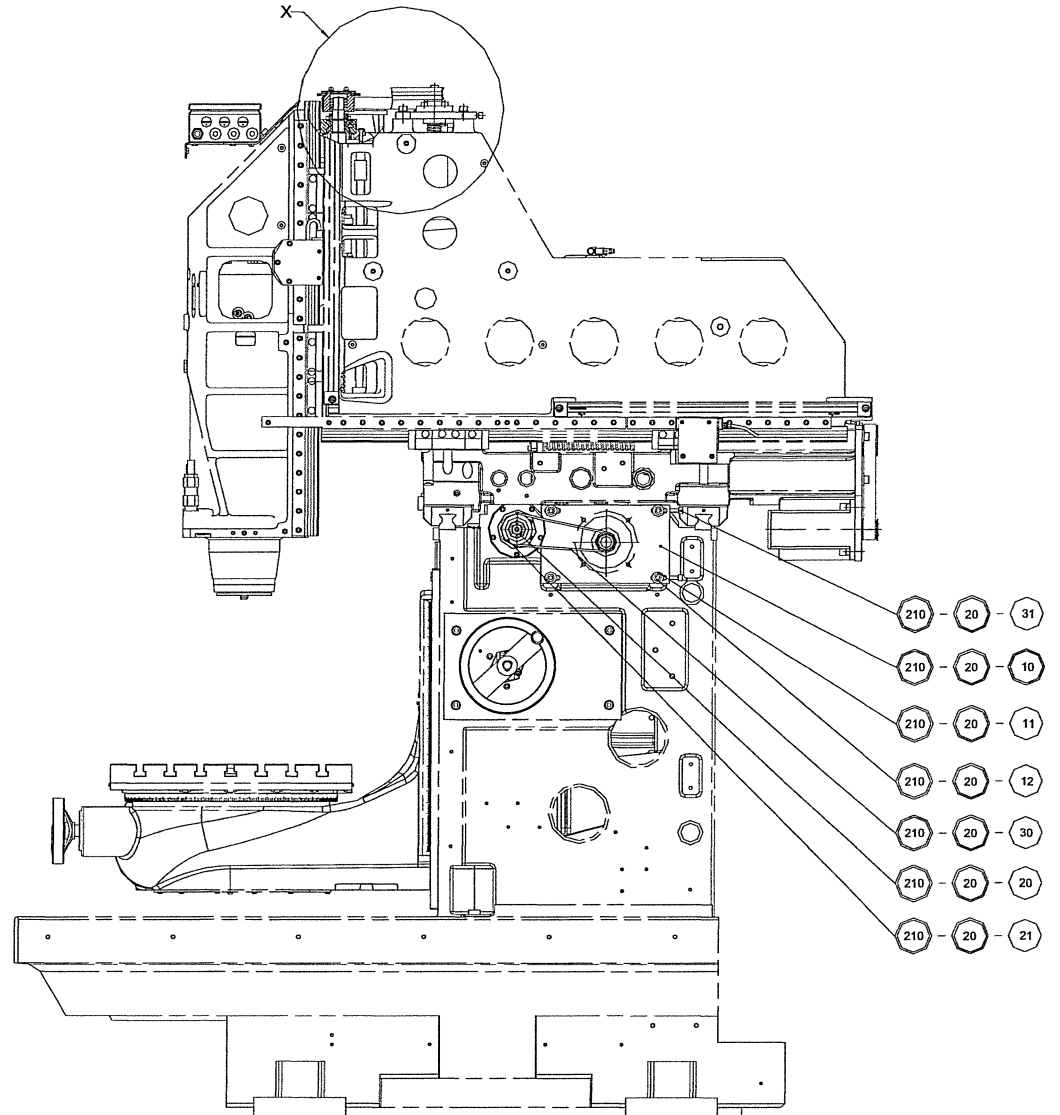
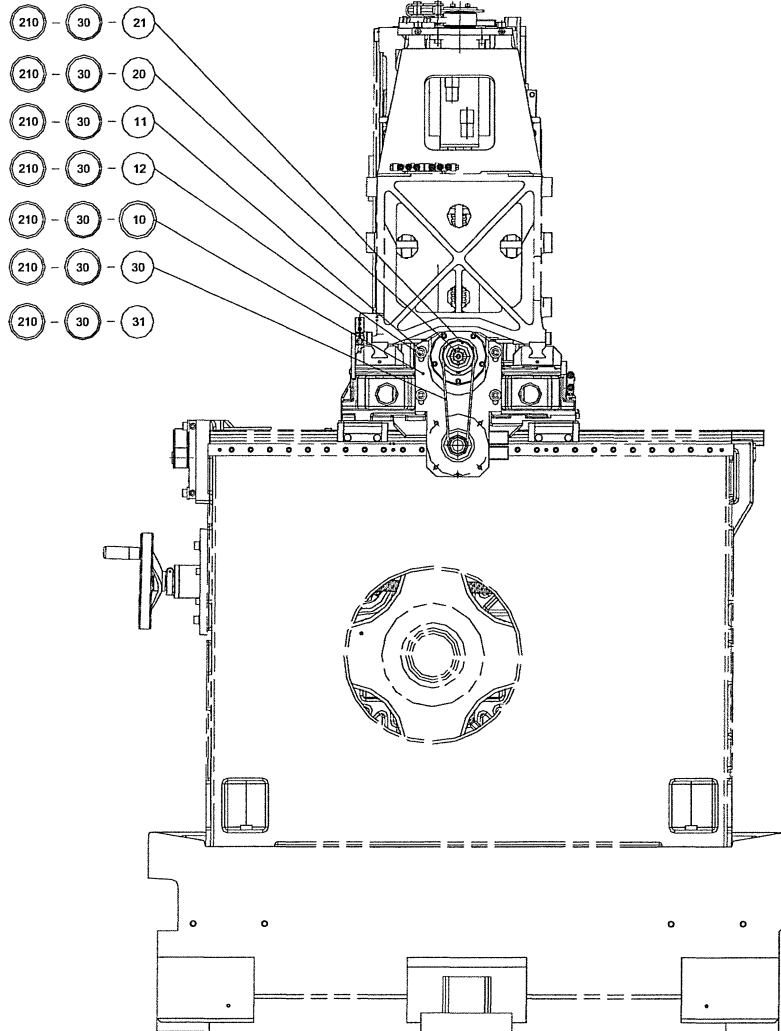
Zeichn.Nr. / Draw. No.:

enthalten in 2639140

included in 2639140

Bl. / Page: **3(3)**





○ Symbol für Baugruppenpositionsnummern

Montageaufbau IV // Machine mounting IV

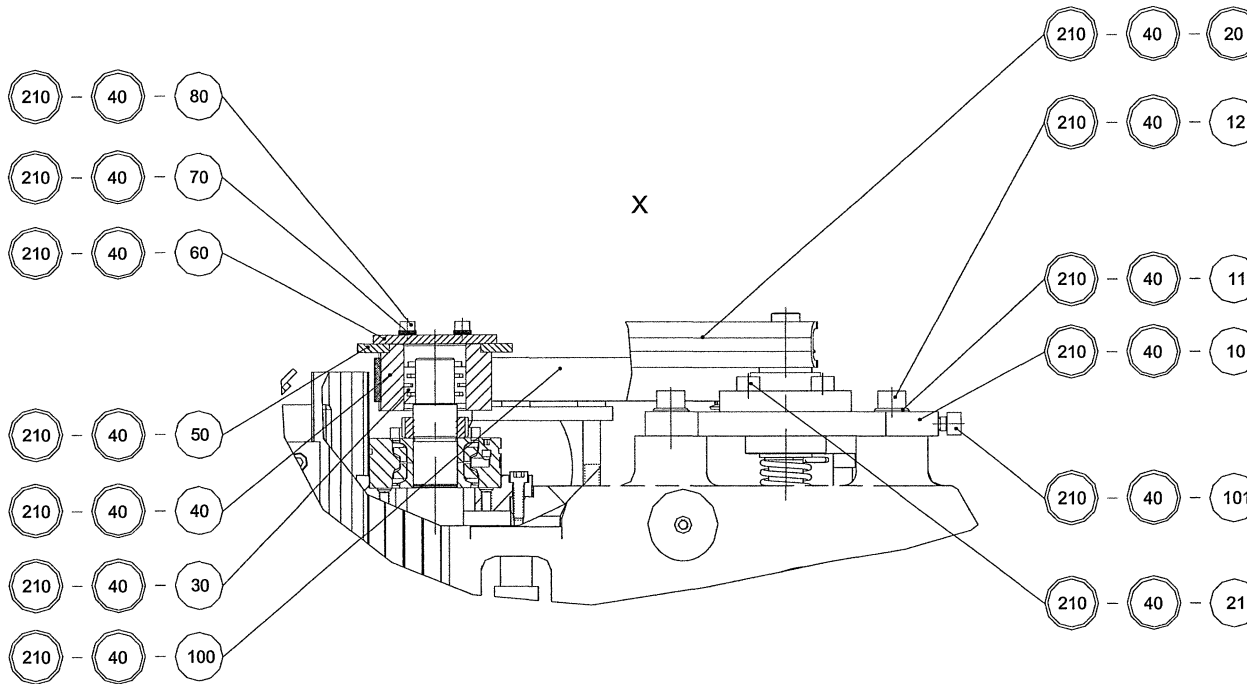
Baugruppe / Assembly group:

Seite / Page:

03-1

Zeichn.Nr. / Draw. No.: 2639141

Bl. / Page: 1 (2)



POS....IN STUELI 994...05

POS. 210... BG*PAKET*ANTRIEB*HDH*INKR
 POS.20...BG*VORSCHUBANTR*X*SIEMENS*DMU50T
 POS.30...BG*VORSCHUBANTR*Y*SIEMENS*DMU50T
 POS.40...BG*VORSCHUBANTR*Z*SIEMENS*DMU50T

POS. 210... BG*PAKET*ANTIEB*HDH*ABS
 POS.20...BG*VORSCHUBANTR*X*SIEMENS*DMU50M
 POS.30...BG*VORSCHUBANTR*Y*SIEMENS*DMU50M
 POS.40...BG*VORSCHUBANTR*Z*SIEMENS*DMU50M

POS. 210... BG*PAKET*ANTRIEB*SL*INKR
 POS.20...BG*VORSCHUBANTR*X*SOL_LINE_T
 POS.30...BG*VORSCHUBANTR*Y*SOL_LINE_T
 POS.40...BG*VORSCHUBANTR*Z*SOL_LINE_T
 POS.50...BG*LTG*GEBER*ADAPT*1M*LCx83 (NICHT DARGEST.)

POS. 210... BG*PAKET*ANTRIEB*SL*ABS
 POS.20...BG*VORSCHUBANTR*X*SOL_LINE_M
 POS.30...BG*VORSCHUBANTR*Y*SOL_LINE_M
 POS.40...BG*VORSCHUBANTR*Z*SOL_LINE_M

○ Symbol für Baugruppenpositionsnummern

Montageaufbau IV // Machine mounting IV

Baugruppe / Assembly group:

Seite / Page: 03-2

Zeichn.Nr. / Draw. No.: 2639141

Bl. / Page: 2 (2)

Stückliste

/

Partlist

<i>Baugruppe</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>
<i>Product-Id.</i>	<i>Designation</i>	<i>Spezification</i>
2502565	PAKET package	ANTRIEB*HDH*ABS

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezification</i>	<i>Quantity</i>	<i>Unit</i>
20	2379001	VORSCHUBANTR feed drive	X*SIEMENS*DMU 50M	1	pcs
30	2379002	VORSCHUBANTR feed drive	Y*SIEMENS*DMU 50M	1	pcs
40	2379003	VORSCHUBANTR feed drive	Z*SIEMENS*DMU 50M	1	pcs

Paket Antrieb HDH ABS-- nur Stückliste
Drive package HDH abs. -- partslist only

Baugruppe / Assembly group: **2502565**

Seite / Page: **03.1-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639141
included in 2639141

Bl. / Page: **1(1)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Specification
2379001	VORSCHUBANTR feed drive	X*SIEMENS*DMU 50M X*SIEMENS*DMU 50M

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Specification	Menge Quantity	Einh. Unit
10	2337481	MOT-M-Z-SHB motor with tooth disk	5*24*24*25 5*24*24*25	1	pcs
11	26050634	SCHEIBE Washer	21*10.5*2*B*DIN125 21*10.5*2*B*DIN125	4	st
12	26050246	ZYL-SHR-I6KT hexagon socket screw	M10*35*8.8*912 M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE pressure sleeve	DSK 22.35*22*35*2 DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE tooth lock washer	5*41*35*25*HTD 5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN tooth belt	HTD*535*5M*25 HTD*535*5M*25	1	st
31	26050229	ZYL-SHR-I6KT hexagon socket screw	M8*30*8.8*912 M8*30*8.8*912	2	st

Vorschubantrieb X-Achse -- nur Stückliste

Feed drive X-axis -- partslist only

Baugruppe / Assembly group: 2379001

Seite / Page: 03.1.1-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2379002	VORSCHUBANTR feed drive	Y*SIEMENS*DMU 50M Y*SIEMENS*DMU 50M

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2337484	MOT-M-Z-SHB motor with tooth disk	5*24*24*25 5*24*24*25	1	pcs
11	26065324	SCHEIBE-DIN DISK-DIN	10.5*25*4*DIN7349* 10.5*25*4*DIN7349*	4	st
12	26050246	ZYL-SHR-I6KT hexagon socket screw	M10*35*8.8*912 M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE pressure sleeve	DSK 22.35*22*35*2 DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE tooth lock washer	5*41*35*25*HTD 5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN tooth belt	HTD*535*5M*25 HTD*535*5M*25	1	st
31	2724979	ZYL-SHR-I6KT hexagon socket screw	M8*40*8.8*BR*912 M8*40*8.8*BR*912	2	st

Vorschubantrieb Y-Achse -- nur Stückliste

Feed drive Y-axis -- partslist only

Baugruppe / Assembly group: 2379002

Seite / Page: 03.1.2-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezifikation
2379003	VORSCHUBANTR <i>feed drive</i>	Z*SIEMENS*DMU 50M Z*SIEMENS*DMU 50M

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezifikation	Menge Quantity	Einh. Unit
10	2337488	MOT-M-Z-SHB <i>motor with tooth disk</i>	5*20*19*25 <i>5*20*19*25</i>	1	pcs
11	26050634	SCHEIBE <i>Washer</i>	21*10.5*2*B*DIN125 <i>21*10.5*2*B*DIN125</i>	4	st
12	26050246	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*35*8.8*912 <i>M10*35*8.8*912</i>	4	st
20	2717322	SI-BREMSE <i>safety brake</i>	DMU50 <i>DMU50</i>	1	st
21	26050227	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*912 <i>M8*25*8.8*912</i>	4	st
30	27075013	DRUCKHUELSE <i>pressure sleeve</i>	DSK 22.35*22*35*2 <i>DSK 22.35*22*35*2</i>	1	st
40	2717328	ZAHNSCHEIBE <i>tooth lock washer</i>	5*41*35*25*HTD <i>5*41*35*25*HTD</i>	1	st
50	2717329	RASTUNG <i>snap-in locking</i>	BREMSE*DMU50 <i>BREMSE*DMU50</i>	1	st
60	2717330	SCHEIBE <i>Washer</i>	70*0*5 <i>70*0*5</i>	1	st
70	26061225	TELLERFEDER <i>spring washer</i>	B*10*5.2*0.4*DIN20 <i>B*10*5.2*0.4*DIN20</i>	24	st
80	26050180	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M5*16*8.8*912 <i>M5*16*8.8*912</i>	4	st
100	2717718	ZAHNRIEMEN <i>tooth belt</i>	HTD*560*5M*25 <i>HTD*560*5M*25</i>	1	st
101	26050227	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*912 <i>M8*25*8.8*912</i>	2	st

Vorschubantrieb Z-Achse -- nur Stückliste

Feed drive Z-axis -- partslist only

Baugruppe / Assembly group: 2379003

Seite / Page: 03.1.3-1

Zeichn.Nr. / Draw. No.: enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2502563	PAKET package	ANTRIEB*HDH*INKR

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
20	2378958	VORSCHUBANTR feed drive	X*SIEMENS*DMU50T	1	pcs
30	2378999	VORSCHUBANTR feed drive	Y*SIEMENS*DMU 50T	1	pcs
40	2379000	VORSCHUBANTR feed drive	Z*SIEMENS*DMU 50T	1	pcs

Paket Antrieb HDH INKR -- nur Stückliste
Drive package HDH incr. -- partslist only

Baugruppe / Assembly group: **2502563**Seite / Page: **03.2-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639141
included in 2639141

Bl. / Page: **1(1)**

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2378958	VORSCHUBANTR <i>feed drive</i>	X*SIEMENS*DMU50T X*SIEMENS*DMU50T

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2727771	MOT-M-Z-SHB <i>motor with tooth disk</i>	5*24*24*25 <i>5*24*24*25</i>	1	st
11	26050634	SCHEIBE <i>Washer</i>	21*10.5*2*B*DIN125 <i>21*10.5*2*B*DIN125</i>	4	st
12	26050246	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*35*8.8*912 <i>M10*35*8.8*912</i>	4	st
20	27075013	DRUCKHUELSE <i>pressure sleeve</i>	DSK 22.35*22*35*2 <i>DSK 22.35*22*35*2</i>	1	st
21	2717334	ZAHNSCHEIBE <i>tooth lock washer</i>	5*41*35*25*HTD <i>5*41*35*25*HTD</i>	1	st
30	2717715	ZAHNRIEMEN <i>tooth belt</i>	HTD*535*5M*25 <i>HTD*535*5M*25</i>	1	st
31	26050229	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*30*8.8*912 <i>M8*30*8.8*912</i>	2	st

Vorschubantrieb X-Achse -- nur Stückliste

Feed drive X-axis -- partslist only

Baugruppe / Assembly group: 2378958

Seite / Page: 03.2.1-1

Zeichn.Nr. / Draw. No.: **enthalten in 2639141****included in 2639141**Bl. / Page: **1(1)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2378999	VORSCHUBANTR feed drive	Y*SIEMENS*DMU 50T Y*SIEMENS*DMU 50T

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2727769	MOT-M-Z-SHB motor with tooth disk	5*24*24*25 5*24*24*25	1	st
11	26065324	SCHEIBE-DIN DISK-DIN	10.5*25*4*DIN7349* 10.5*25*4*DIN7349*	4	st
12	26050246	ZYL-SHR-I6KT hexagon socket screw	M10*35*8.8*912 M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE pressure sleeve	DSK 22.35*22*35*2 DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE tooth lock washer	5*41*35*25*HTD 5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN tooth belt	HTD*535*5M*25 HTD*535*5M*25	1	st
31	2724979	ZYL-SHR-I6KT hexagon socket screw	M8*40*8.8*BR*912 M8*40*8.8*BR*912	2	st

Vorschubantrieb Y-Achse -- nur Stückliste

Feed drive Y-axis -- partslist only

Baugruppe / Assembly group: 2378999

Seite / Page: 03.2.2-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2379000	VORSCHUBANTR <i>feed drive</i>	Z*SIEMENS*DMU 50T Z*SIEMENS*DMU 50T

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2727767	MOT-M-Z-SHB <i>motor with tooth disk</i>	5*35*24*25 5*35*24*25	1	st
11	26050634	SCHEIBE <i>Washer</i>	21*10.5*2*B*DIN125 21*10.5*2*B*DIN125	4	st
12	26050246	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*35*8.8*912 M10*35*8.8*912	4	st
20	2717322	SI-BREMSE <i>safety brake</i>	DMU50 DMU50	1	st
21	26050227	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*912 M8*25*8.8*912	4	st
30	27075013	DRUCKHUELSE <i>pressure sleeve</i>	DSK 22.35*22*35*2 DSK 22.35*22*35*2	1	st
40	2717328	ZAHNSCHEIBE <i>tooth lock washer</i>	5*41*35*25*HTD 5*41*35*25*HTD	1	st
50	2717329	RASTUNG <i>snap-in locking</i>	BREMSE*DMU50 BREMSE*DMU50	1	st
60	2717330	SCHEIBE <i>Washer</i>	70*0*5 70*0*5	1	st
70	26061225	TELLERFEDER <i>spring washer</i>	B*10*5.2*0.4*DIN20 B*10*5.2*0.4*DIN20	24	st
80	26050180	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M5*16*8.8*912 M5*16*8.8*912	4	st
100	2717718	ZAHNRIEMEN <i>tooth belt</i>	HTD*560*5M*25 HTD*560*5M*25	1	st
101	26050227	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*912 M8*25*8.8*912	2	st

Vorschubantrieb Z-Achse -- nur Stückliste

Feed drive Z-axis --- partslist only

Baugruppe / Assembly group: 2379000

Seite / Page:

03.2.3-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page:1(1)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2502567	PAKET package	ANTRIEB*SL*ABS

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
20	2502827	VORSCHUBANTR feed drive	X*SOL_LINE_M	1	pcs
30	2502833	VORSCHUBANTR feed drive	Y*SOL_LINE_M	1	pcs
40	2502844	VORSCHUBANTR feed drive	Z*SOL_LINE*M	1	pcs

Paket Antrieb SL ABS-- nur Stückliste
Drive package SL abs. -- partslist only

Baugruppe / Assembly group: **2502567**

Seite / Page: **03.3-1**

Zeichn.Nr. / Draw. No.: **enthalten in 2639141**
included in 2639141

Bl. / Page: **1(1)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2502827	VORSCHUBANTR feed drive	X*SOL_LINE_M

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2502829	MOT-M-Z-SHB motor with tooth disk	5*24*24*25	1	pcs
11	26050634	SCHEIBE Washer	21*10.5*2*B*DIN125	4	st
12	26050246	ZYL-SHR-I6KT hexagon socket screw	M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE pressure sleeve	DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE tooth lock washer	5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN tooth belt	HTD*535*5M*25	1	st
31	26050229	ZYL-SHR-I6KT hexagon socket screw	M8*30*8.8*912	2	st

Vorschubantrieb X-Achse -- nur Stückliste

Feed drive X-axis -- partslist only

Baugruppe / Assembly group: 2502827

Seite / Page: 03.3.1-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2502833	VORSCHUBANTR <i>feed drive</i>	Y*SOL_LINE_M

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2502835	MOT-M-Z-SHB <i>motor with tooth disk</i>	5*24*24*25	1	pcs
11	26065324	SCHEIBE-DIN <i>DISK-DIN</i>	10.5*25*4*DIN7349*	4	st
12	26050246	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE <i>pressure sleeve</i>	DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE <i>tooth lock washer</i>	5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN <i>tooth belt</i>	HTD*535*5M*25	1	st
31	2724979	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*40*8.8*BR*912	2	st

Vorschubantrieb Y-Achse -- nur Stückliste
Feed drive Y-axis -- partslist only

Baugruppe / Assembly group: **2502833**Seite / Page: **03.3.2-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639141
included in 2639141

Bl. / Page: **1(1)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Specification
2502844	VORSCHUBANTR feed drive	Z*SOL_LINE*M

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Specification	Menge Quantity	Einh. Unit
10	2502846	MOT-M-Z-SHB motor with tooth disk	5*20*19*25	1	pcs
11	26050634	SCHEIBE Washer	21*10.5*2*B*DIN125	4	st
12	26050246	ZYL-SHR-I6KT hexagon socket screw	M10*35*8.8*912	4	st
20	2717322	SI-BREMSE safety brake	DMU50	1	st
21	26050227	ZYL-SHR-I6KT hexagon socket screw	M8*25*8.8*912	4	st
30	27075013	DRUCKHUELSE pressure sleeve	DSK 22.35*22*35*2	1	st
40	2717328	ZAHNSCHEIBE tooth lock washer	5*41*35*25*HTD	1	st
50	2717329	RASTUNG snap-in locking	BREMSE*DMU50	1	st
60	2717330	SCHEIBE Washer	70*0*5	1	st
70	26061225	TELLERFEDER spring washer	B*10*5.2*0.4*DIN20	24	st
80	26050180	ZYL-SHR-I6KT hexagon socket screw	M5*16*8.8*912	4	st
100	2717718	ZAHNRIEMEN tooth belt	HTD*560*5M*25	1	st
101	26050227	ZYL-SHR-I6KT hexagon socket screw	M8*25*8.8*912	2	st

Vorschubantrieb Z-Achse -- nur Stückliste

Feed drive Z-axis -- partslist only

Baugruppe / Assembly group: 2502844

Seite / Page: 03.3.3-1

Zeichn.Nr. / Draw. No.: enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>
2502566	PAKET package	ANTRIEB*SL*INKR

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Spezification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
20	2502781	VORSCHUBANTR feed drive	X*SOL_LINE_T	1	pcs
30	2502796	VORSCHUBANTR feed drive	Y*SOL_LINE_T	1	pcs
40	2502807	VORSCHUBANTR feed drive	Z*SOL_LINE_T	1	pcs
50	2363911	LTG line	GEBER*ADAPT*1M*LCx83	3	pcs

Paket Antrieb SL INKR -- nur Stückliste
Drive package SL incr. -- partslist only

Baugruppe / Assembly group: **2502566**Seite / Page: **03.4-1**

Zeichn.Nr. / Draw. No.:

enthalten in 2639141
included in 2639141

Bl. / Page: **1(1)**

Stückliste

/

Partlist

<i>Baugruppe</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>
<i>Product-Id.</i>	<i>Designation</i>	<i>Spezifikation</i>
2502781	VORSCHUBANTR <i>feed drive</i>	X*SOL_LINE_T

<i>Pos.</i>	<i>Art.-Nr.</i>	<i>Bezeichnung</i>	<i>Spezifikation</i>	<i>Menge</i>	<i>Einh.</i>
<i>Pos.</i>	<i>Part Id.</i>	<i>Designation</i>	<i>Spezifikation</i>	<i>Quantity</i>	<i>Unit</i>
10	2502788	MOT-M-Z-SHB <i>motor with tooth disk</i>	5*24*24*25	1	pcs
11	26050634	SCHEIBE <i>Washer</i>	21*10.5*2*B*DIN125	4	st
12	26050246	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE <i>pressure sleeve</i>	DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE <i>tooth lock washer</i>	5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN <i>tooth belt</i>	HTD*535*5M*25	1	st
31	26050229	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*30*8.8*912	2	st

Vorschubantrieb X-Achse -- nur Stückliste

Feed drive X-axis -- partslist only

Baugruppe / Assembly group: 2502781

Seite / Page: 03.4.1-1

Zeichn.Nr. / Draw. No.: **enthalten in 2639141****included in 2639141**

Bl. / Page: 1(1)

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2502796	VORSCHUBANTR feed drive	Y*SOL_LINE_T

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2502802	MOT-M-Z-SHB motor with tooth disk	5*24*24*25	1	pcs
11	26065324	SCHEIBE-DIN DISK-DIN	10.5*25*4*DIN7349*	4	st
12	26050246	ZYL-SHR-I6KT hexagon socket screw	M10*35*8.8*912	4	st
20	27075013	DRUCKHUELSE pressure sleeve	DSK 22.35*22*35*2	1	st
21	2717334	ZAHNSCHEIBE tooth lock washer	5*41*35*25*HTD	1	st
30	2717715	ZAHNRIEMEN tooth belt	HTD*535*5M*25	1	st
31	2724979	ZYL-SHR-I6KT hexagon socket screw	M8*40*8.8*BR*912	2	st

Vorschubantrieb Y-Achse -- nur Stückliste

Feed drive Y-axis -- partslist only

Baugruppe / Assembly group: 2502796

Seite / Page: 03.4.2-1

Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page: 1(1)

Stückliste

/

Partlist

<i>Baugruppe</i> <i>Product-Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Specification</i>
2502807	VORSCHUBANTR <i>feed drive</i>	Z*SOL_LINE_T

<i>Pos.</i> <i>Pos.</i>	<i>Art.-Nr.</i> <i>Part Id.</i>	<i>Bezeichnung</i> <i>Designation</i>	<i>Spezifikation</i> <i>Specification</i>	<i>Menge</i> <i>Quantity</i>	<i>Einh.</i> <i>Unit</i>
10	2502809	MOT-M-Z-SHB <i>motor with tooth disk</i>	5*35*24*25	1	pcs
11	26050634	SCHEIBE <i>Washer</i>	21*10.5*2*B*DIN125	4	st
12	26050246	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M10*35*8.8*912	4	st
20	2717322	SI-BREMSE <i>safety brake</i>	DMU50	1	st
21	26050227	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*912	4	st
30	27075013	DRUCKHUELSE <i>pressure sleeve</i>	DSK 22.35*22*35*2	1	st
40	2717328	ZAHNSCHEIBE <i>tooth lock washer</i>	5*41*35*25*HTD	1	st
50	2717329	RASTUNG <i>snap-in locking</i>	BREMSE*DMU50	1	st
60	2717330	SCHEIBE <i>Washer</i>	70*0*5	1	st
70	26061225	TELLERFEDER <i>spring washer</i>	B*10*5.2*0.4*DIN20	24	st
80	26050180	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M5*16*8.8*912	4	st
100	2717718	ZAHNRIEMEN <i>tooth belt</i>	HTD*560*5M*25	1	st
101	26050227	ZYL-SHR-I6KT <i>hexagon socket screw</i>	M8*25*8.8*912	2	st

Vorschubantrieb Z-Achse -- nur Stückliste

Feed drive Z-axis -- partslist only

Baugruppe / Assembly group: 2502807

Seite / Page:

03.4.3-1

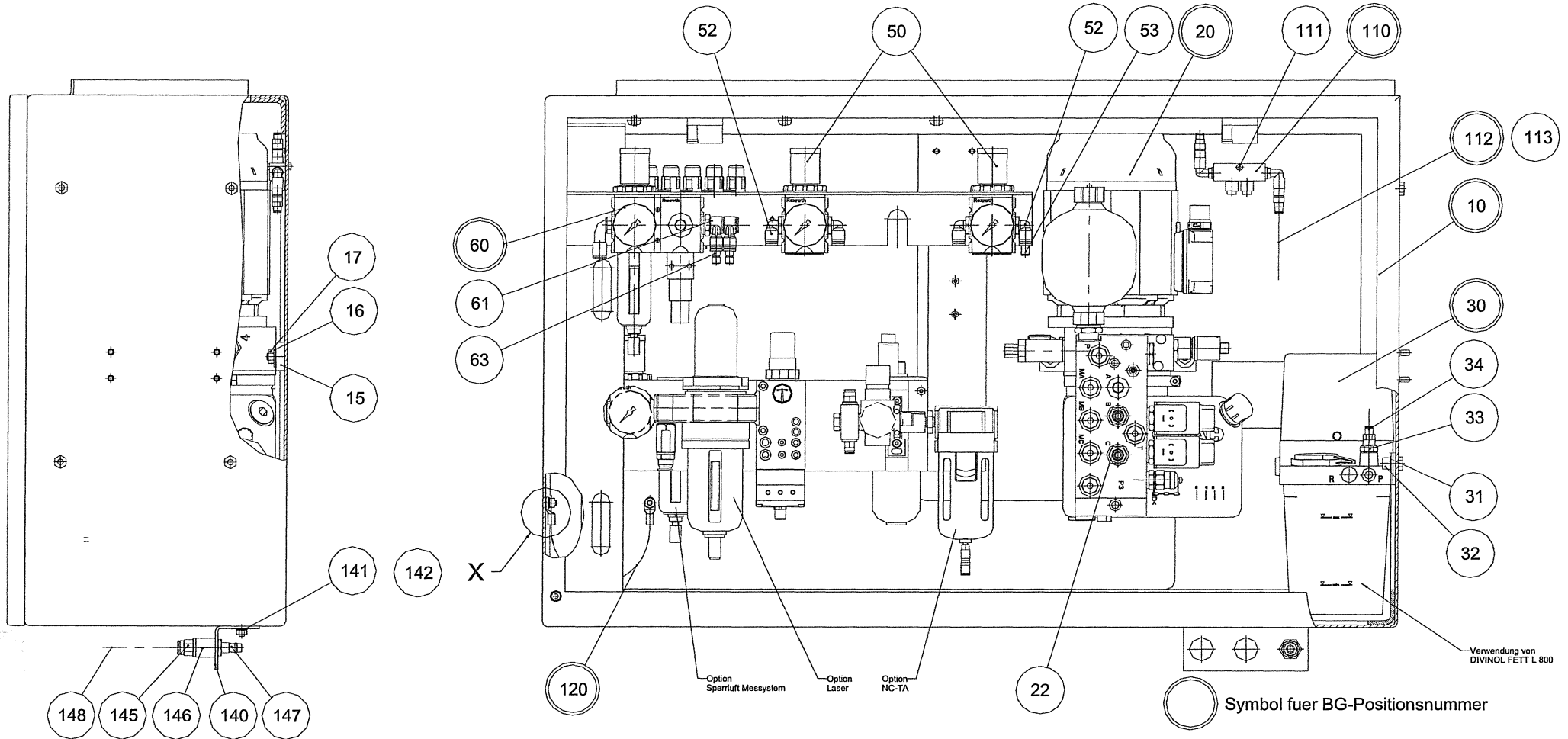
Zeichn.Nr. / Draw. No.:

enthalten in 2639141

included in 2639141

Bl. / Page:1(1)

Ansicht ohne Tuer dargestellt



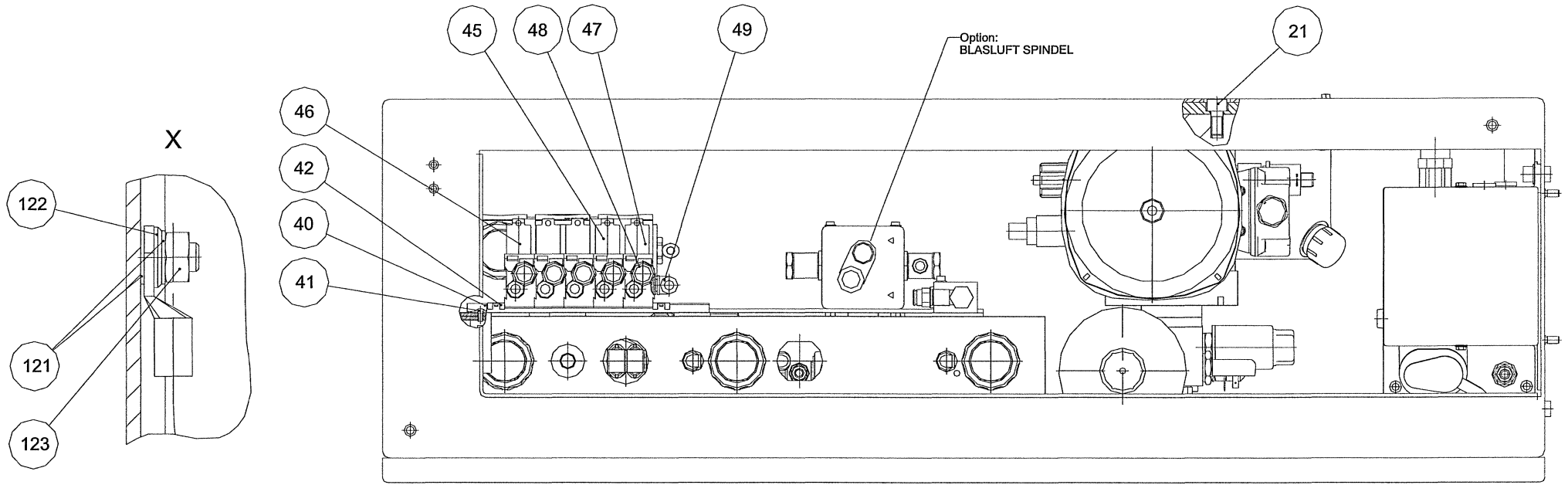
Medienversorgung //
Hydraulic/ Pneumatic central unit

Baugruppe / Assembly group: **2642534**

Seite / Page: **04.1-1**

Zeichn.Nr. / Draw. No.: **2642534**

Bl. / Page: **1 (6)**



Medienversorgung //
Hydraulic/ Pneumatic central unit

Baugruppe / Assembly group: **2642534**

Seite / Page: **04.1-2**

Zeichn.Nr. / Draw. No.: **2642534**

Bl. / Page: **2 (6)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2642534	MEDIENVERSORG Media supply	DMU50

Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2627798	GEHAUSE Housing	MV*KPLT.*DMU50	1	pcs
15	2628811	HALTER Holder	HYD-AGGREGAT	1	pcs
16	26050633	SCHEIBE Washer	25*8.4*2*A*9021*ST-BR	2	st
17	26050430	6KT-MUTTER Hexagon nut	M8*8.8*934	2	st
20	2616353	HYD-AGG Hydraulic unit	0,75KW*CO1+FLEXI1	1	pcs
21	26050901	ZYL-SHR-I6KT Hexagon socket cap screw	M10*20*8.8*912	2	st
22	27082651	VS-HY Screw connection hydraulic	GE*8*LR*1/4 ED OMD	2	st
30	2715889	ZAHNRADP-AGG Gear pump device	MKF1-KW2-20036	1	st
31	26050631	SCHEIBE Washer	17*8.4*1.6*B*125*ST-BR	2	st
32	26050222	ZYL-SHR-I6KT Hexagon socket cap screw	M8*14*8.8*912	2	st
33	27054677	ANSCHL-ST connection piece	6*M14X1.5*M10X1	1	st
34	2428686	VS-SM Screw connection lubrication	6*GERADE*M10x1 VOG.	1	st
40	26051677	TRAGSCHIENE GELOCHT	35X7,5X1 N	,2	m
41	0A06539000131	LI-FLAN-SHR Rounded flange head screw	M4*8*10.9*VZ	2	pcs

Medienversorgung //

Hydraulic/ Pneumatic central unit

Baugruppe / Assembly group: **2642534**Seite / Page: **04.1-3**Zeichn.Nr. / Draw. No.: **2642534**Bl. / Page: **3 (6)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
42	2443886	HALTER Holder	HUTSCHIENE*WEIDMUELLER	2	st
45	6001697	MAGNETVENTIL Magnet valve	NG 4*3/2	1	st
46	6001781	MAGNETVENTIL Magnet valve	NG 4*3/2	1	st
47	6003868	MAGNETVENTIL Magnet valve	NG 4*3/2*Eingang	1	st
48	6001702	SCHALLDAEMPFER Sound absorber	42mm	3	st
49	2291949	VS-PN Screw connection pneumatic	8*QSL-8H	1	st
50	2486293	DRUCKREG-VENT pressure regulator	AS2*R415007323	2	pcs
52	2494045	VS-PN Screw connection pneumatic	8*3/8*QR1-RVT	4	pcs
53	2709037	VS-PN Screw connection pneumatic	8/4*1823 391 617*RED.	1	st
60	2486284	WARTUNGSEINH Maintenance unit	AS2*R415007324	1	pcs
61	2495840	VS-PN Screw connection pneumatic	QR1-RW4*G3/8*4XD8	1	pcs
63	2703832	VERSCHLUSS Seal	1823 391 610*D8	3	st
64	2331185	A-LTG connection line	M12-VENTIL*3P*1,5M	2	pcs
65	2331186	A-LTG connection line	M12-DRUCKS.*5P*1,5M	1	pcs
66	2477149	A-LTG connection line	M12*C*8mm*GERADE*YE*1,5M	3	st
67	2550362	A-LTG connection line	HYDRAULIK/SCHMIERUNG	1	pcs
68	27078080	KUNSTSTOFFROHR	8*1*1820 712 0	3	m

Medienversorgung //

Hydraulic/ Pneumatic central unit

Baugruppe / Assembly group: **2642534**Seite / Page: **04.1-4**Zeichn.Nr. / Draw. No.: **2642534**Bl. / Page: **4 (6)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
69	2402566	plastic pipe A-LTG	M12*M12 3Adrig*1,5M	1	st
110	2568693	connection line VERTEILER	MV*DMU50	1	pcs
111	26050874	Distributor ZYL-SHR-I6KT	MM4*22*8.8*912	1	st
112	2487046	Hexagon socket cap screw HOCHDRUCK-SHL	6*650*210bar	1	pcs
113	2487087	High-pressure hose STIFT	450-206-002	1	pcs
120	2290464	Pin A-LTG	SCHUTZLEITER MASCHINE	1	st
121	26063340	connection line FAECHERSCHEIBE	J*6.4*DIN6798*V	4	st
122	26050630	serrated lock washer SCHEIBE	12.5*6.4*1.6	2	pcs
123	26080588	Washer 6KT-MUTTER	M6*DIN934*MS	2	st
140	2517433	hexagon nut HALTER	LUFTANSCHLUSS	1	pcs
141	26070983	Holder SCHEIBE	18*6.4*1.6*A*DIN9021	2	st
142	26050429	Washer 6KT-MUTTER	M6*8.8*BR*934	2	st
145	27083093	Hexagon nut VS-PN	10*G3/8*1823 373 051	1	st
146	27068530	Screw connection pneumatic FITT-MUFFE	3/8*1823 300 002	1	st
147	27069776	Fitting sleeve KUPPLUNGSSTECKER	M.AUS.GEW.*18	1	st
148	2708382	COUPLING PLUG KUNSTSTOFFROHR	8*10*1820712105	2	m
		Plastic pipe			

Medienversorgung //

Hydraulic/ Pneumatic central unit

Baugruppe / Assembly group: **2642534**Seite / Page: **04.1-5**Zeichn.Nr. / Draw. No.: **2642534**Bl. / Page: **5 (6)**

Stückliste

/

Partlist

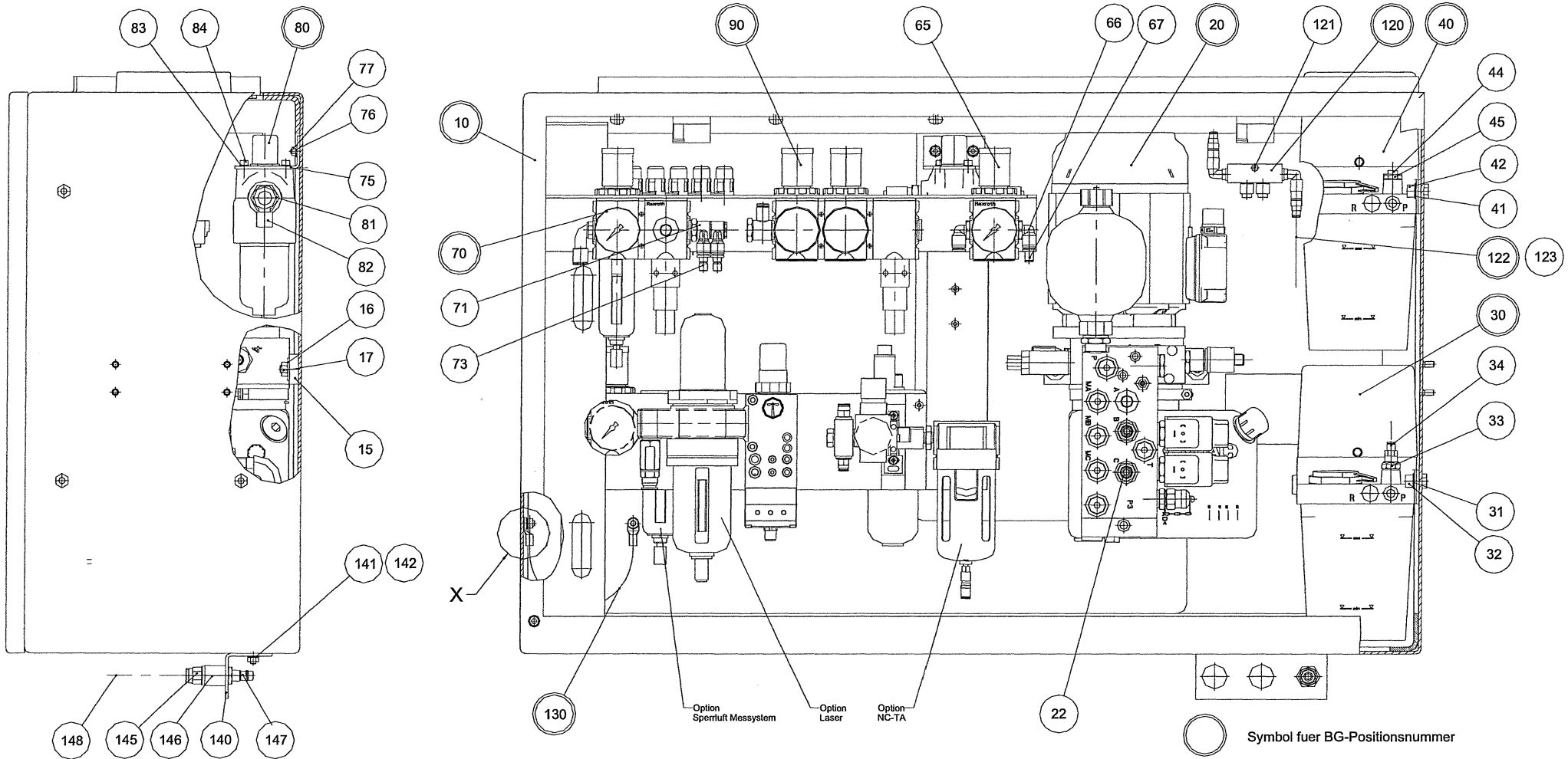
Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezifikation	Quantity	Unit
200	26050163	ZYL-SHR-I6KT Hexagon socket cap screw	M4*16*8.8*912	9	st

Medienversorgung //

Hydraulic/ Pneumatic central unit

Baugruppe / Assembly group: **2642534**Seite / Page: **04.1-6**Zeichn.Nr. / Draw. No.: **2642534**Bl. / Page: **6 (6)**

Ansicht ohne Tuer dargestellt



Medienversorgung 18.000 //

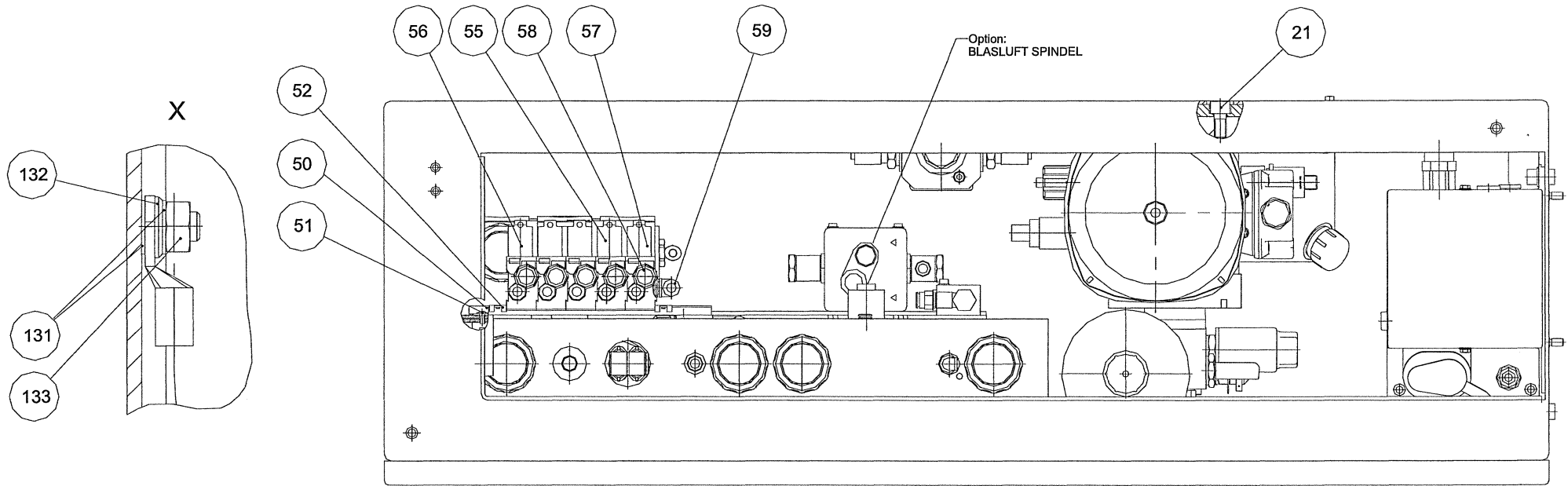
Hydraulic/ Pneumatic central unit 18,000 rpm

Baugruppe / Assembly group: **2642529**

Seite / Page: **04.2-1**

Zeichn.Nr. / Draw. No.: **2642529**

Bl. / Page: **1 (7)**



Medienversorgung 18.000 //
Hydraulic/ Pneumatic central unit 18.000 rpm

Baugruppe / Assembly group: **2642529**

Seite / Page: **04.2-2**

Zeichn.Nr. / Draw. No.: **2642529**

Bl. / Page: **2 (7)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezifikation
2642529	MEDIENVERSORG Media supply	18000*DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezifikation	Menge Quantity	Einh. Unit
10	2627798	GEHAEUSE Housing	MV*KPLT.*DMU50	1	pcs
15	2628811	HALTER Holder	HYD-AGGREGAT	1	pcs
16	26050633	SCHEIBE Washer	25*8.4*2*A*9021*ST-BR	2	st
17	26050430	6KT-MUTTER Hexagon nut	M8*8.8*934	2	st
20	2616353	HYD-AGG Hydraulic unit	0,75KW*CO1+FLEXI1	1	pcs
21	26050901	ZYL-SHR-I6KT Hexagon socket cap screw	M10*20*8.8*912	2	st
22	27082651	VS-HY Screw connection hydraulic	GE*8*LR*1/4 ED OMD	2	st
30	2715889	ZAHNRADP-AGG Gear pump device	MKF1-KW2-20036	1	st
31	26050631	SCHEIBE Washer	17*8.4*1.6*B*125*ST-BR	2	st
32	26050222	ZYL-SHR-I6KT Hexagon socket cap screw	M8*14*8.8*912	2	st
33	27054677	ANSCHL-ST connection piece	6*M14X1.5*M10X1	1	st
34	2428686	VS-SM Screw connection lubrication	6*GERADE*M10x1 VOG.	1	st
40	2353571	SCHMIERAGGR Lubrication unit	MKU-KW2-20017	1	pcs
41	26050631	SCHEIBE Washer	17*8.4*1.6*B*125*ST-BR	2	st

Medienversorgung 18.000 //**Hydraulic/ Pneumatic central unit 18.000 rpm**Baugruppe / Assembly group: **2642529**Seite / Page: **04.2-3**Zeichn.Nr. / Draw. No.: **2642529**Bl. / Page: **3 (7)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
42	26050222	ZYL-SHR-I6KT	M8*14*8.8*912	2	st
44	27051882	Hexagon socket cap screw UEBERWURFSCHRAUBE	6*M10X1*406.	1	st
45	27054677	union screw ANSCHL-ST	6*M14X1.5*M10X1	1	st
50	26051677	connection piece TRAGSCHIENE GELOCHT	35X7,5X1 N	,2	m
51	0A06539000131	LI-FLAN-SHR	M4*8*10.9*VZ	2	pcs
52	2443886	Rounded flange head screw HALTER	HUTSCHIENE*WEIDMUELLER	2	st
55	6001697	Holder MAGNETVENTIL	NG 4*3/2	1	st
56	6001781	Magnet valve MAGNETVENTIL	NG 4*3/2	1	st
57	6003868	Magnet valve MAGNETVENTIL	NG 4*3/2*Eingang	1	st
58	6001702	Magnet valve SCHALLDAEMPFER	42mm	3	st
59	2291949	Sound absorber VS-PN	8*QSL-8H	1	st
65	2486293	Screw connection pneumatic DRUCKREG-VENT	AS2*R415007323	1	pcs
66	2494045	pressure regulator VS-PN	8*3/8*QR1-RVT	2	pcs
67	2709037	Screw connection pneumatic VS-PN	8/4*1823 391 617*RED.	1	st
70	2486284	Screw connection pneumatic WARTUNGSEINH	AS2*R415007324	1	pcs
71	2495840	Maintenance unit VS-PN	QR1-RW4*G3/8*4XD8	1	pcs
73	2703832	Screw connection pneumatic VERSCHLUSS	1823 391 610*D8	3	st

Medienversorgung 18.000 //

Hydraulic/ Pneumatic central unit 18.000 rpm

Baugruppe / Assembly group: **2642529**Seite / Page: **04.2-4**Zeichn.Nr. / Draw. No.: **2642529**Bl. / Page: **4 (7)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
75	2493522	Seal HALTER	DRUCKFILTER	1	pcs
76	26050629	Holder SCHEIBE	12.5*6.4*1.6*B*125	2	st
77	26050427	Washer 6KT-MUTTER	M5*8.8*BR*934	2	st
80	93100547	Hexagon nut DRUCKFILTER	LF BN/HC30I3 B1.0	1	st
81	27056945	pressure filter VS-HY	RI*1/2*ED*1/4	2	st
82	27054448	Screw connection hydraulic VS-HY	DSVW*6-PSR	2	st
83	26050626	Screw connection hydraulic SCHEIBE	10*5.3*1*B*125*ST-BR	2	st
84	26050178	Washer ZYL-SHR-I6KT	M5*12*8.8*912	2	st
90	2486290	Hexagon socket cap screw DRUCKREG-VENT	AS2*R415007326	1	pcs
100	2331185	pressure regulator A-LTG	M12-VENTIL*3P*1,5M	2	pcs
101	2331186	connection line A-LTG	M12-DRUCKS.*5P*1,5M	1	pcs
102	2477149	connection line A-LTG	M12*C*8mm*GERADE*YE*1,5M	3	st
103	2550362	connection line A-LTG	HYDRAULIK/SCHMIERUNG	1	pcs
104	81200908	connection line SCHMIERLEITUNG N.DIN	6*660*TEC	1	st
105	2496793	LUBRICATION PIPING DIN SCHMIERLEITG-DIN	6*7500*TE	1	pcs
106	27063290	Lubrication line KUNSTSTOFFROHR	8*1*1820712202	3	m
		Plastic pipe			

Medienversorgung 18.000 //**Hydraulic/ Pneumatic central unit 18.000 rpm**Baugruppe / Assembly group: **2642529**Seite / Page: **04.2-5**Zeichn.Nr. / Draw. No.: **2642529**Bl. / Page: **5 (7)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
107	27078080	KUNSTSTOFFROHR plastic pipe	8*1*1820 712 0	3	m
108	2402566	A-LTG connection line	M12*M12 3Adrig*1,5M	1	st
120	2568693	VERTEILER Distributor	MV*DMU50	1	pcs
121	26050874	ZYL-SHR-I6KT Hexagon socket cap screw	MM4*22*8.8*912	1	st
122	2487046	HOCHDRUCK-SHL High-pressure hose	6*650*210bar	1	pcs
123	2487087	STIFT Pin	450-206-002	1	pcs
130	2290464	A-LTG connection line	SCHUTZLEITER MASCHINE	1	st
131	26063340	FAECHERSCHEIBE serrated lock washer	J*6.4*DIN6798*V	4	st
132	26050630	SCHEIBE Washer	12.5*6.4*1.6	2	pcs
133	26080588	6KT-MUTTER hexagon nut	M6*DIN934*MS	2	st
140	2517433	HALTER Holder	LUFTANSCHLUSS	1	pcs
141	26070983	SCHEIBE Washer	18*6.4*1.6*A*DIN9021	2	st
142	26050429	6KT-MUTTER Hexagon nut	M6*8.8*BR*934	2	st
145	27083093	VS-PN Screw connection pneumatic	10*G3/8*1823 373 051	1	st
146	27068530	FITT-MUFFE Fitting sleeve	3/8*1823 300 002	1	st
147	27069776	KUPPLUNGSSTECKER COUPLING PLUG	M.AUS.GEW.*18	1	st
148	2708382	KUNSTSTOFFROHR	8*10*1820712105	2	m

Medienversorgung 18.000 //

Hydraulic/ Pneumatic central unit 18,000 rpm

Baugruppe / Assembly group: **2642529**Seite / Page: **04.2-6**Zeichn.Nr. / Draw. No.: **2642529**Bl. / Page: **6 (7)**

Stückliste

/

Partlist

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
200	26050163	Plastic pipe ZYL-SHR-I6KT Hexagon socket cap screw	M4*16*8.8*912	9	st

Medienversorgung 18.000 //

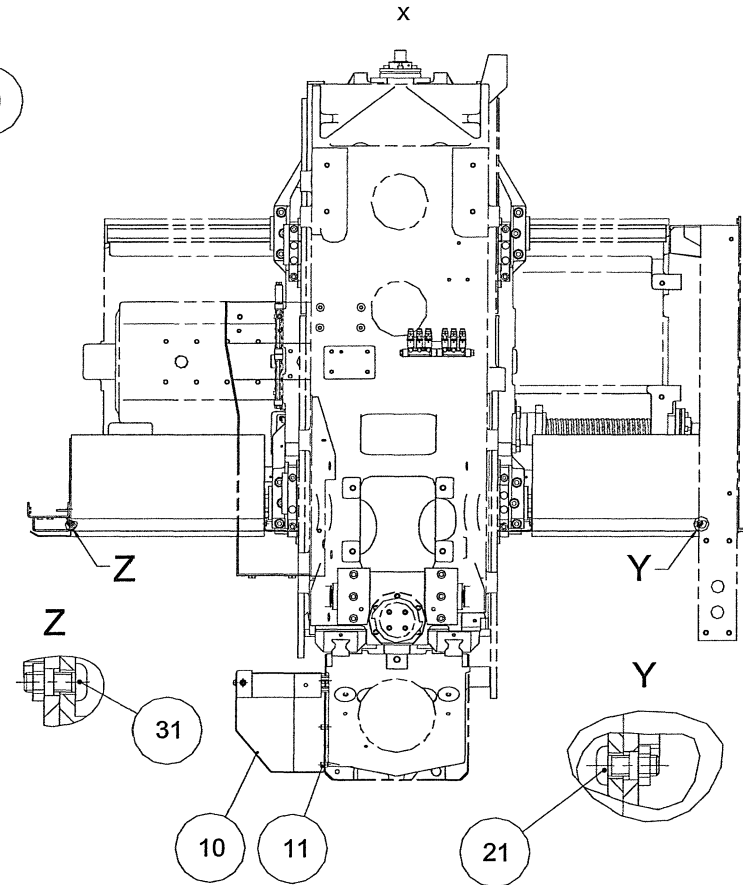
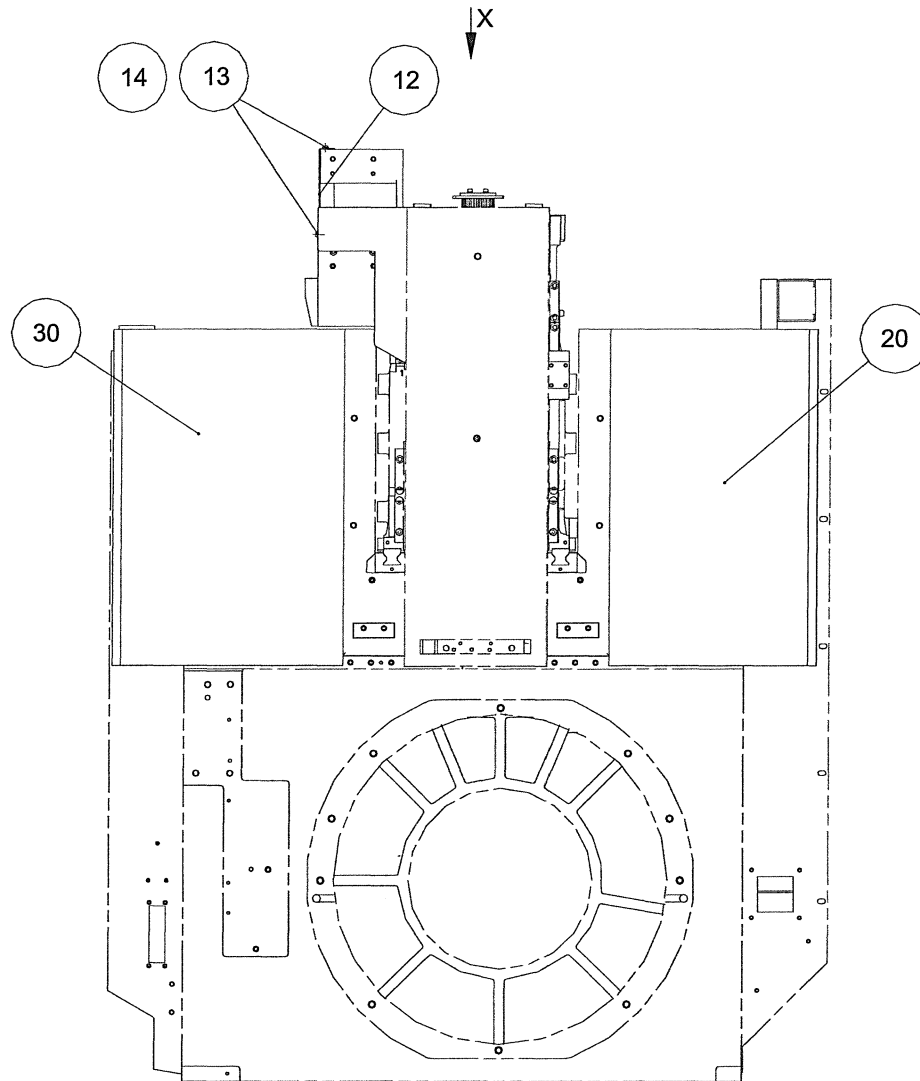
Hydraulic/ Pneumatic central unit 18,000 rpm

Baugruppe / Assembly group: **2642529**Seite / Page: **04.2-7**Zeichn.Nr. / Draw. No.: **2642529**Bl. / Page: **7 (7)**

100

100





Führungsbahnabdeckung //
Guide way cover

Baugruppe / Assembly group: **2643028**

Seite / Page: **05-1**

Zeichn.Nr. / Draw. No.: **2643028**

Bl. / Page: **1 (2)**

Stückliste

/

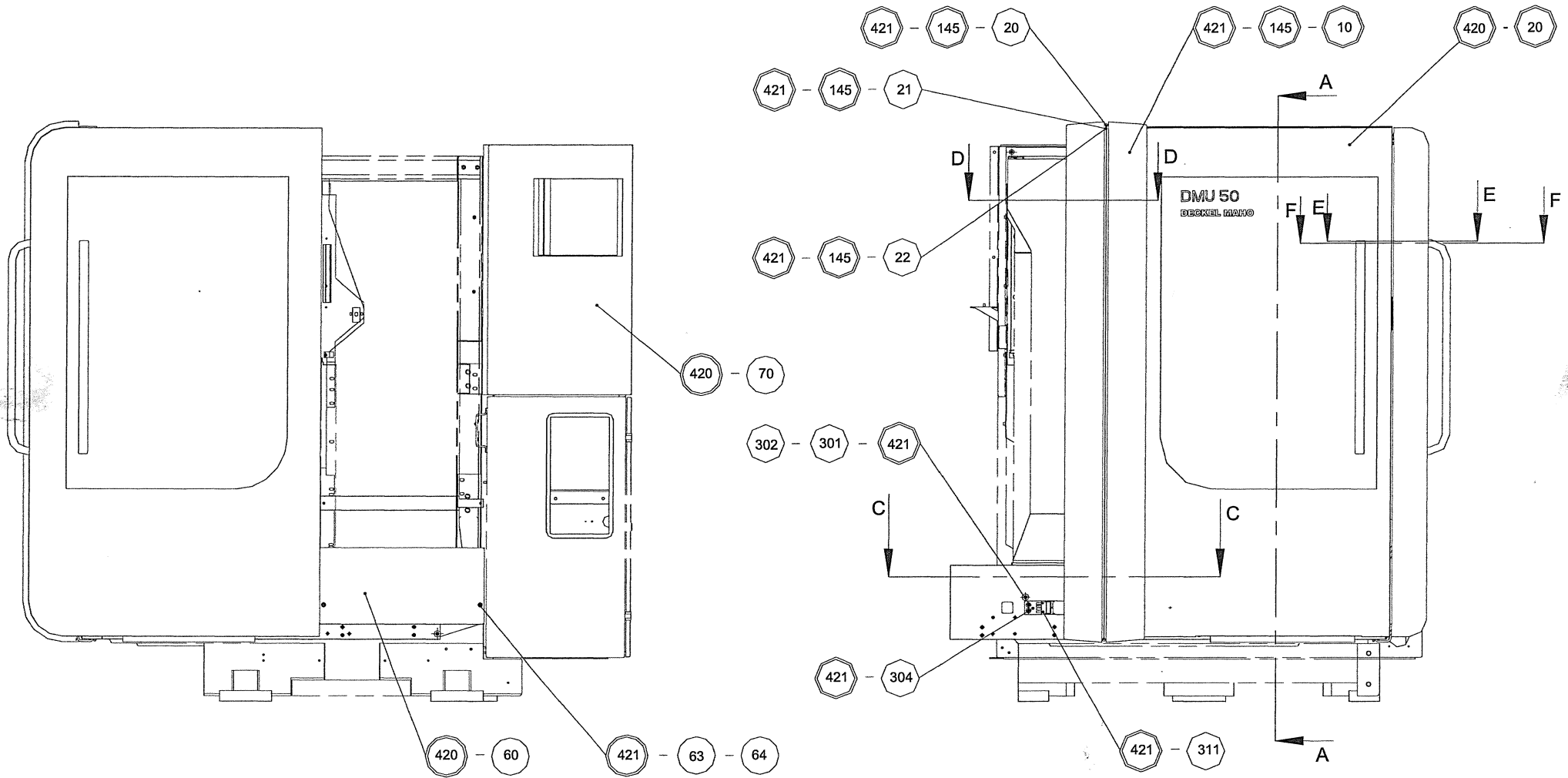
Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2643028	FUEHRUNGSB-ABD Guide way cover	DMU50

Pos.	Art.-Nr.	Bezeichnung	Spezifikation	Menge	Einh.
Pos.	Part Id.	Designation	Spezification	Quantity	Unit
10	2639538	HAUBE Hood	SPINDELSTOCK	1	pcs
11	26050882	ZYL-SHR-I6KT Hexagon socket cap screw	M6*8*8.8*912	4	st
12	2543257	HALTER Holder	ABDECKUNG	1	pcs
13	27065213	LI-SHR-I6KT Hexagon rounded head screw	M6*10*10.9*7380	2	st
14	26050629	SCHEIBE Washer	12.5*6.4*1.6*B*125	2	st
20	2552728	FALTENBALG Bellows	X*RECHTS*DMU50	1	pcs
21	27067016	LI-SHR-I6KT Hexagon rounded head screw	M4*10*10.9*7380	8	st
30	2376253	FALTENBALG Bellows	X*LINKS*DMU50	1	pcs
31	27067016	LI-SHR-I6KT Hexagon rounded head screw	M4*10*10.9*7380	8	st

Führungsbahnabdeckung //
Guide way cover

Baugruppe / Assembly group: **2643028**Seite / Page: **05-2**Zeichn.Nr. / Draw. No.: **2643028**Bl. / Page: **2 (2)**



Symbol fuer BG-Positionsnummern

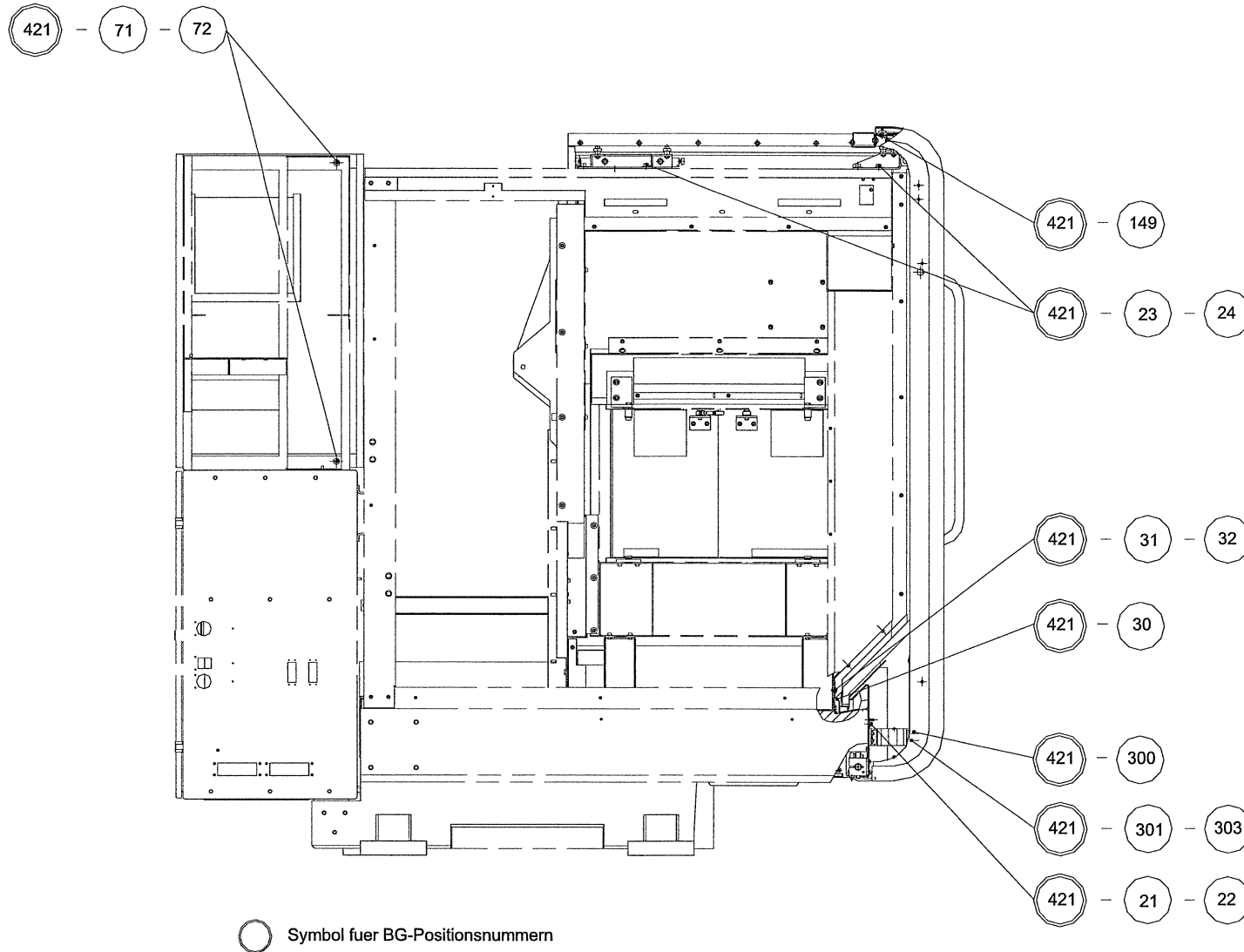
Kabine Tür rechts//
Machine cabin - door right

Baugruppe / Assembly group: **2641349**

Seite / Page: **06.1-1**

Zeichn.Nr. / Draw. No.: **2641349**

Bl. / Page: **1 (5)**



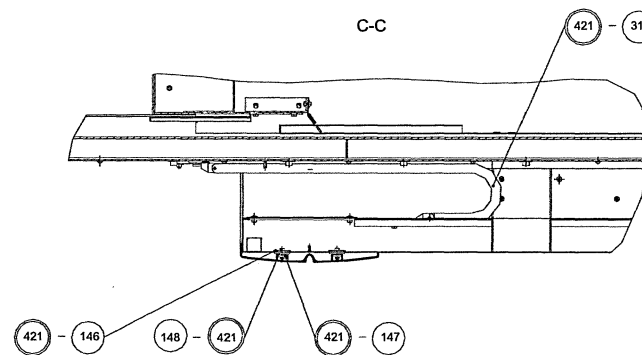
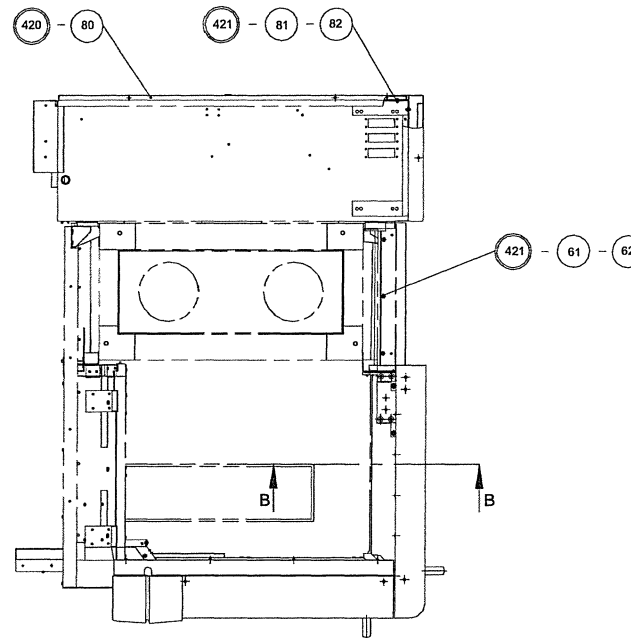
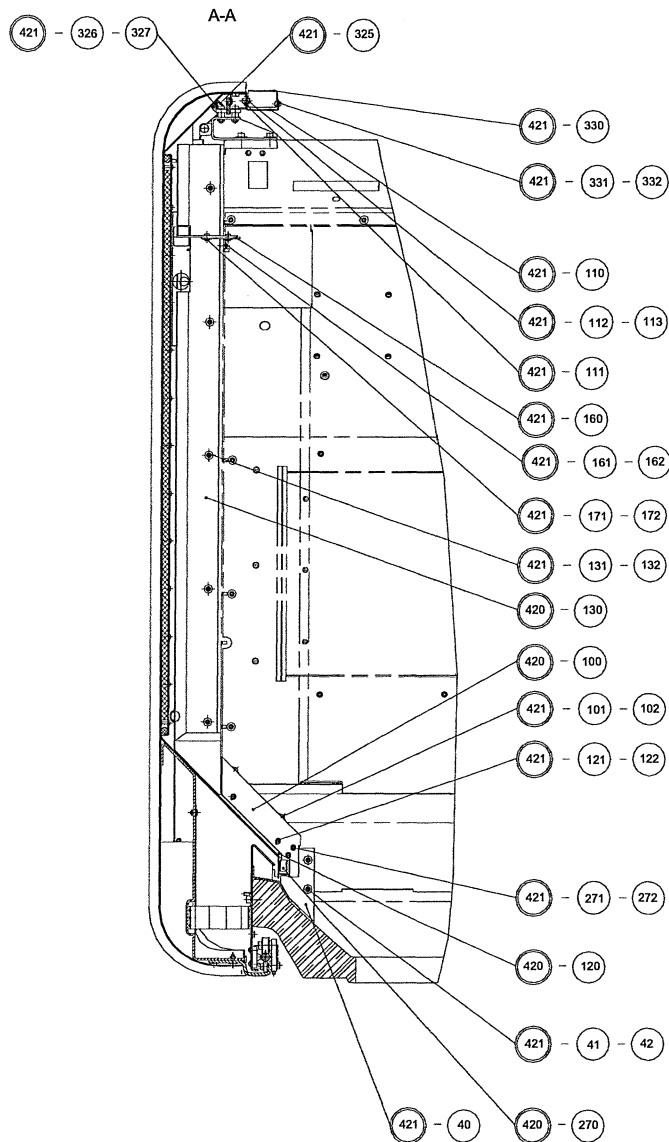
Kabine Tür rechts//
Machine cabin - door right

Baugruppe / Assembly group: **2641349**

Seite / Page: **06.1-2**

Zeichn.Nr. / Draw. No.: **2641349**

Bl. / Page: **2 (5)**



○ Symbol fuer BG-Positionsnummern

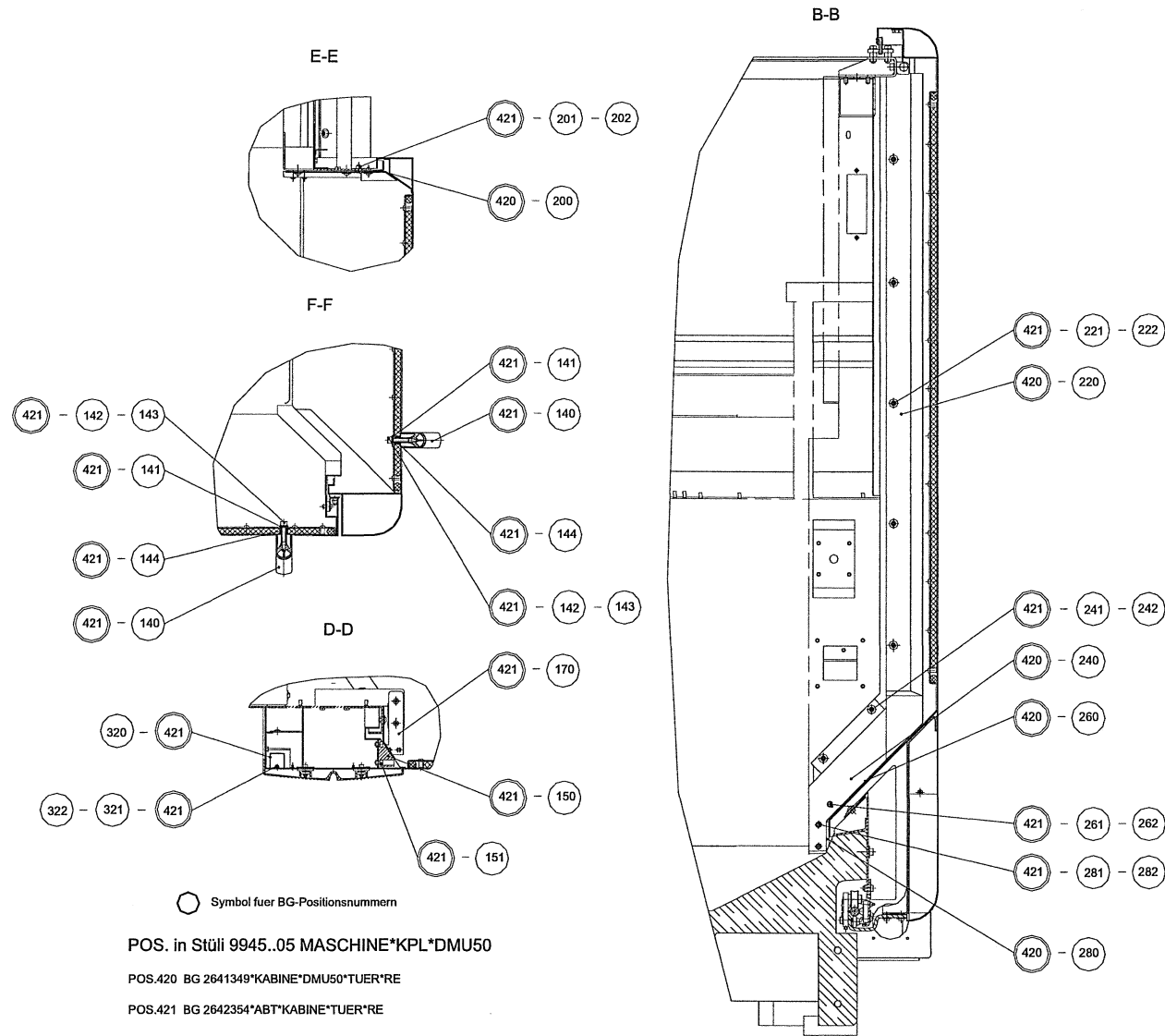
**Kabine Tür rechts//
Machine cabin - door right**

Baugruppe / Assembly group: **2641349**

Seite / Page: **06.1-3**

Zeichn.Nr. / Draw. No.: **2641349**

Bl. / Page: **3 (5)**



○ Symbol fuer BG-Positionsnummern

POS. in Stüli 9945..05 MASCHINE*KPL*DMU50

POS.420 BG 2641349*KABINE*DMU50*TUER*RE

POS.421 BG 2642354*ABT*KABINE*TUER*RE

Kabine Tür rechts//
Machine cabin - door right

Baugruppe / Assembly group: **2641349**

Seite / Page: **06.1-4**

Zeichn.Nr. / Draw. No.: **2641349**

Bl. / Page: **4 (5)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2641349	KABINE Cabin	TUER*RE*DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
20	2641351	KABINE Cabin	TUER*RE*VORMONTIERT	1	pcs
60	2575546	ABDECKUNG cover	RE*UNTEN	1	pcs
70	2575555	BLECH metal sheet	KUEHLERBLECH	1	pcs
80	2575557	BLECH metal sheet	RUECKWAND	1	pcs
100	2575519	HALTER Holder	BUERSTE	1	pcs
120	2575520	BUERSTENLEISTE brush gib	210*6.8*26.5	1	pcs
130	2642340	BLECH metal sheet	LABYRINTHABDECKUNG	1	pcs
200	2575531	BLECH metal sheet	TUERLAB*RE	1	pcs
220	2575532	BLECH metal sheet	LABYRINTHABDECKUNG	1	pcs
240	2575536	HALTER Holder	BUERSTE*RE	1	pcs
260	2575539	BUERSTENLEISTE brush gib	252*6.8*26.5	1	pcs
270	2598286	BLECH metal sheet	ABSTREIFER*TUER	1	pcs
280	2598414	BUERSTENLEISTE brush gib	55*6.8*26.5	1	pcs

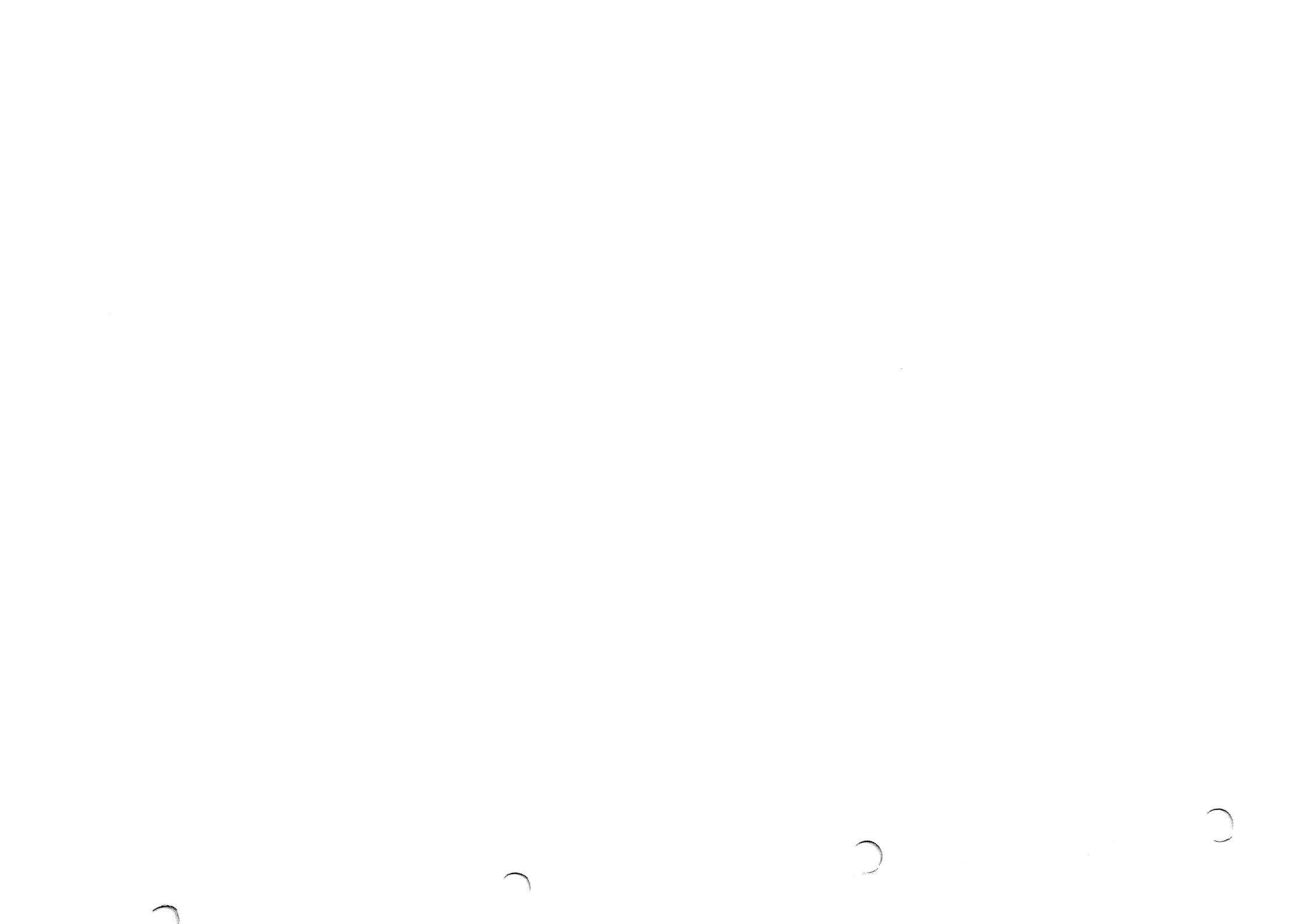
Kabine Tür rechts//
Machine cabin - door right

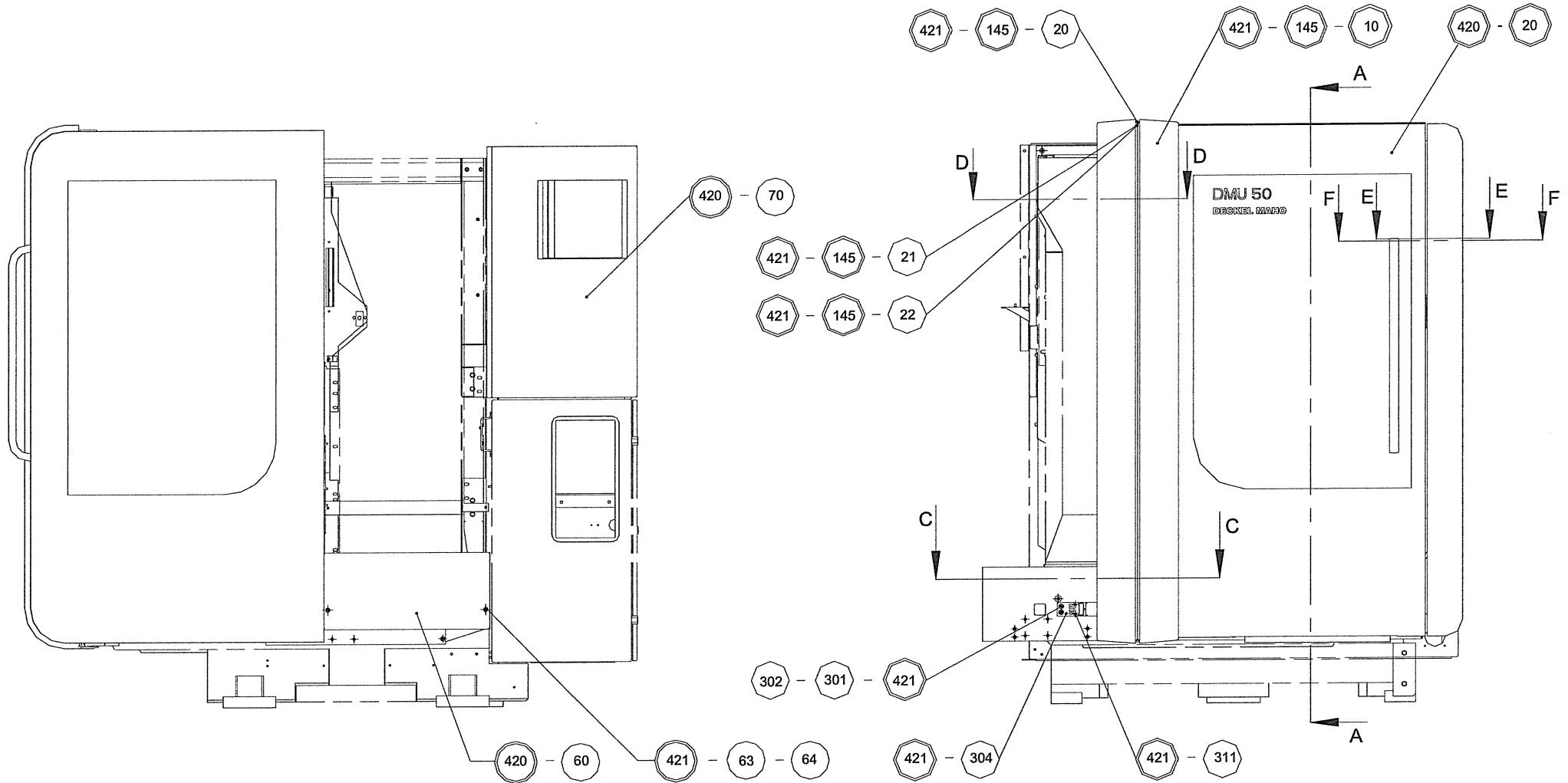
Baugruppe / Assembly group: **2641349**

Seite / Page: **06.1-5**

Zeichn.Nr. / Draw. No.: **2641349**

Bl. / Page: **5 (5)**





○ Symbol fuer BG-Positionsnummern

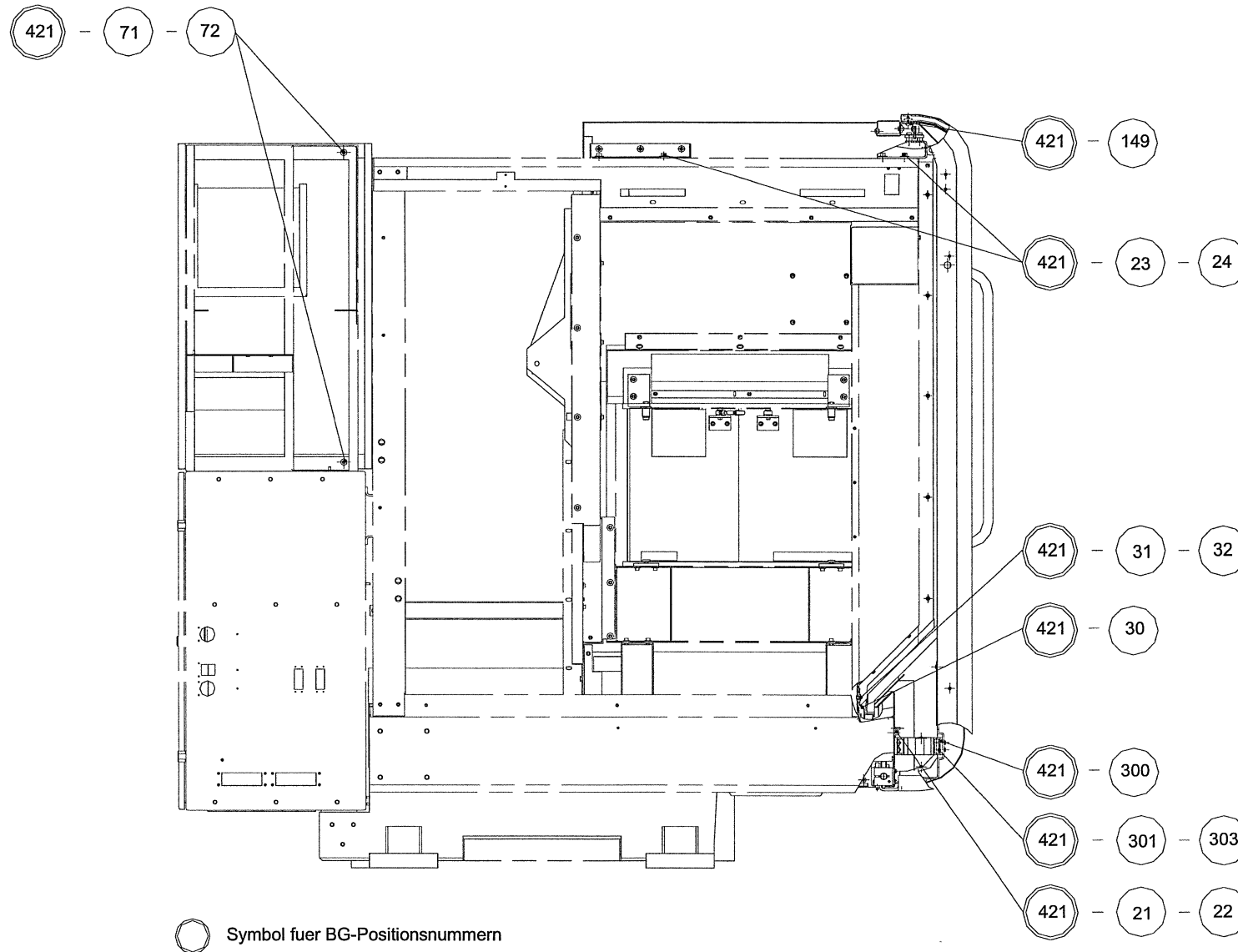
**Kabine Seitenwand rechts//
Machine cabin - side wall right**

Baugruppe / Assembly group: **2641353**

Seite / Page: **06.2-1**

Zeichn.Nr. / Draw. No.: **2641353**

Bl. / Page: **1 (5)**



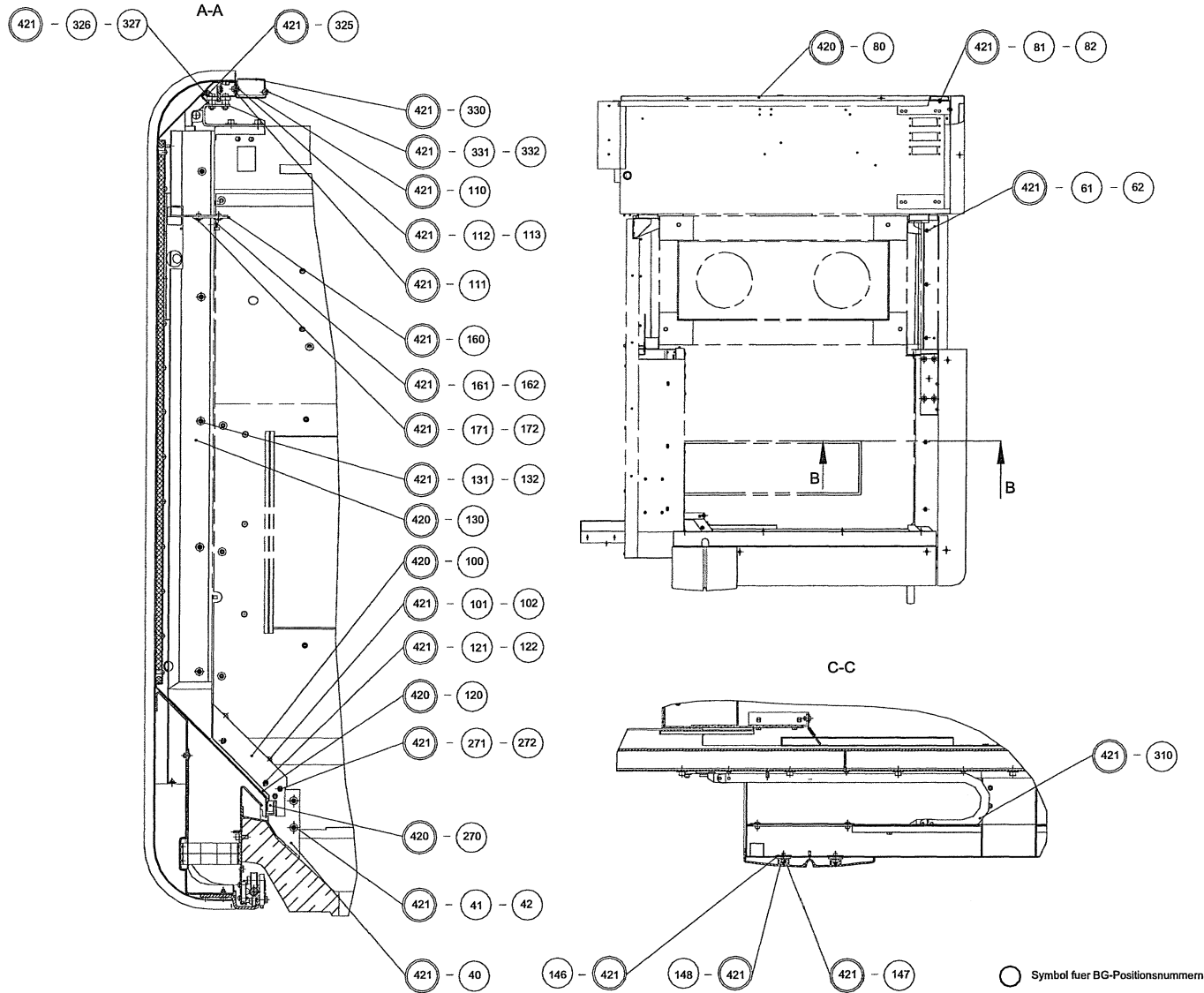
Kabine Seitenwand rechts//
Machine cabin - side wall right

Baugruppe / Assembly group: **2641353**

Seite / Page: **06.2-2**

Zeichn.Nr. / Draw. No.: **2641353**

Bl. / Page: **2 (5)**



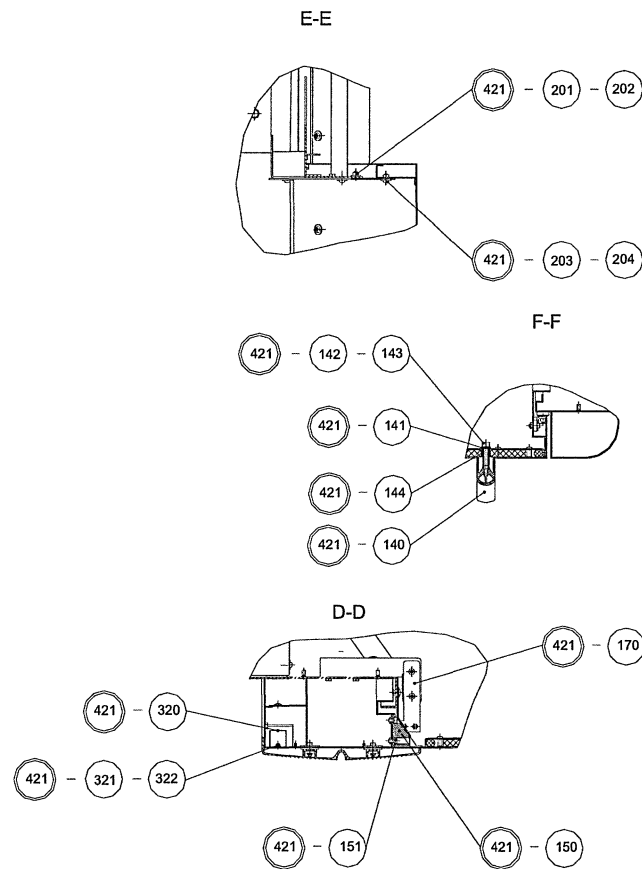
Kabine Seitenwand rechts//
Machine cabin - side wall right

Baugruppe / Assembly group: **2641353**

Seite / Page: **06.2-3**

Zeichn.Nr. / Draw. No.: **2641353**

Bl. / Page: **3 (5)**

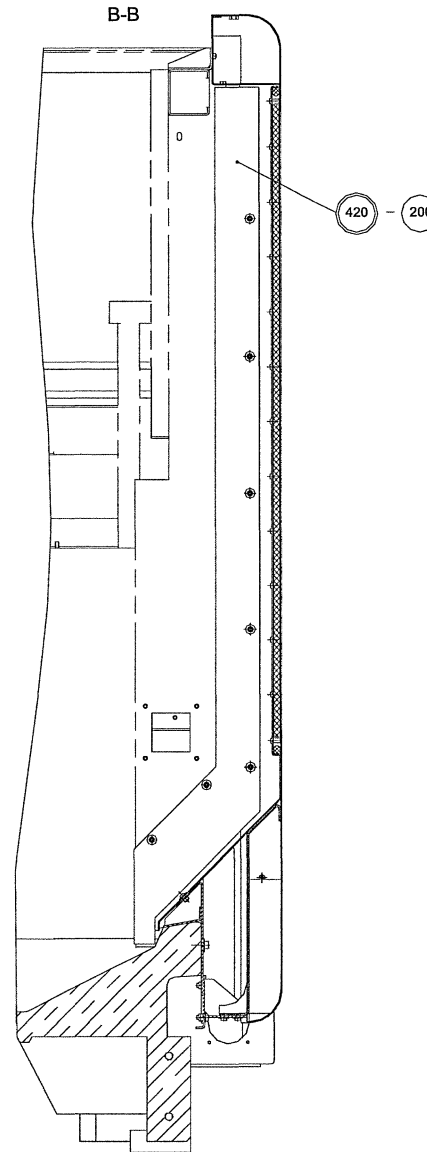


○ Symbol fuer BG-Positionsnummern

POS. in Stüli 9945..05 MASCHINE*KPL*DMU50

POS.420 BG 2641353*KABINE*DMU50*SW*RE

POS.421 BG 2642361*ABT*KABINE*SW*RE



**Kabine Seitenwand rechts//
Machine cabin - side wall right**

Baugruppe / Assembly group: **2641353**

Seite / Page: **06.2-4**

Zeichn.Nr. / Draw. No.: **2641353**

Bl. / Page: **4 (5)**

Stückliste

/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2641353	KABINE Cabin	SW*RE*DMU50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
20	2641354	KABINE Cabin	SW*RE*VORMONTIERT	1	pcs
60	2575546	ABDECKUNG cover	RE*UNTEN	1	pcs
70	2575555	BLECH metal sheet	KUEHLERBLECH	1	pcs
80	2575557	BLECH metal sheet	RUECKWAND	1	pcs
100	2575519	HALTER Holder	BUERSTE	1	pcs
120	2575520	BUERSTENLEISTE brush gib	210*6.8*26.5	1	pcs
130	2642340	BLECH metal sheet	LABYRINTHABDECKUNG	1	pcs
200	2642359	BLECH metal sheet	SW*RE	1	pcs
270	2598286	BLECH metal sheet	ABSTREIFER*TUER	1	pcs

Kabine Seitenwand rechts//
Machine cabin - side wall right

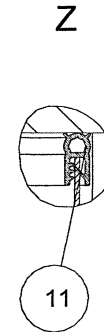
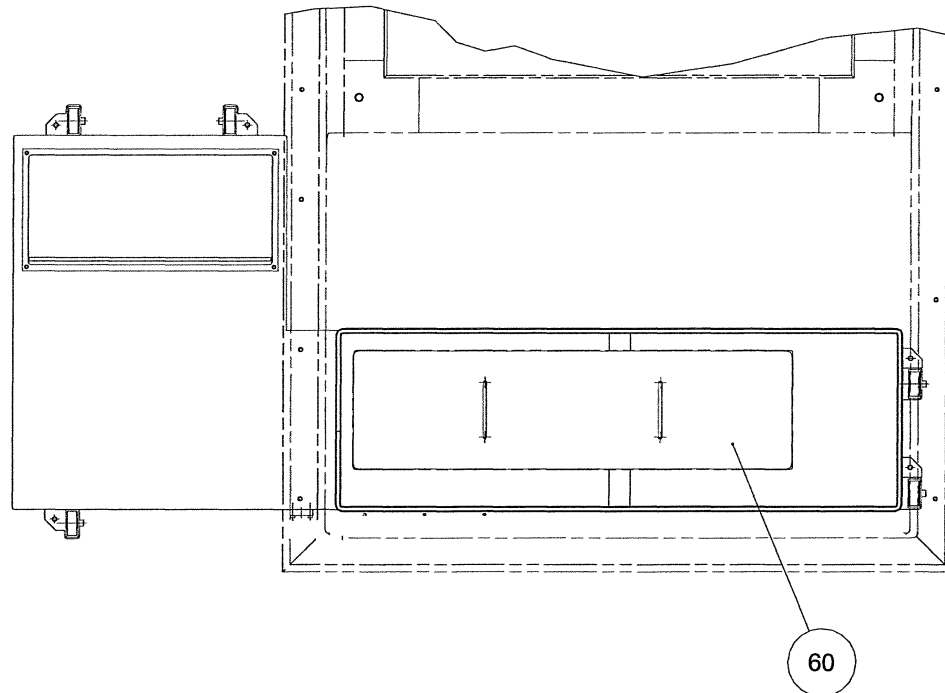
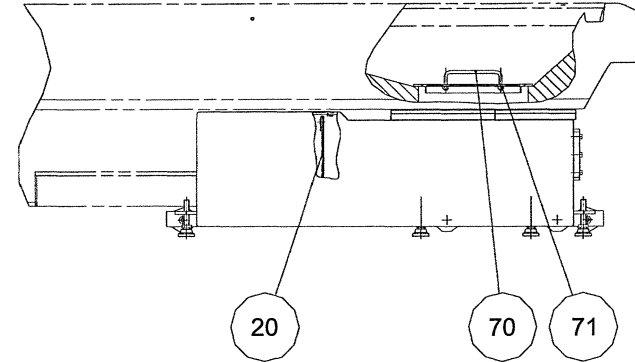
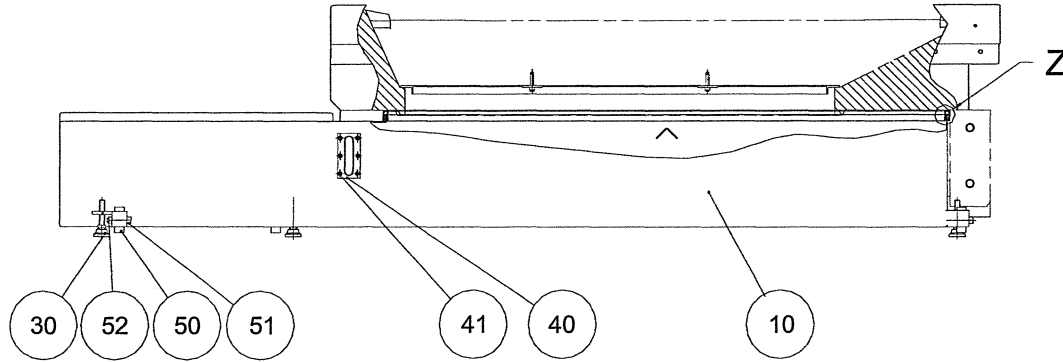
Baugruppe / Assembly group: **2641353**

Seite / Page: **06.2-5**

Zeichn.Nr. / Draw. No.: **2641353**

Bl. / Page: **5 (5)**





**Kühlschmierstoffbehälter//
Coolant tank**

Baugruppe / Assembly group: **2561968**

Seite / Page: **07.1-1**

Zeichn.Nr. / Draw. No.: **2561968**

Bl. / Page: **1 (2)**

Stückliste

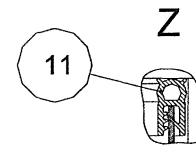
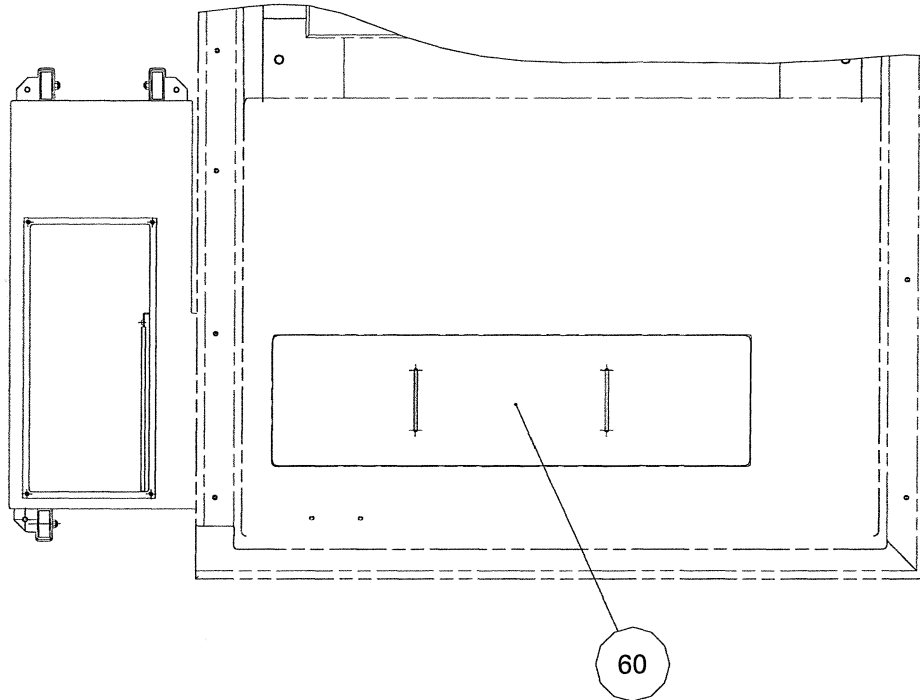
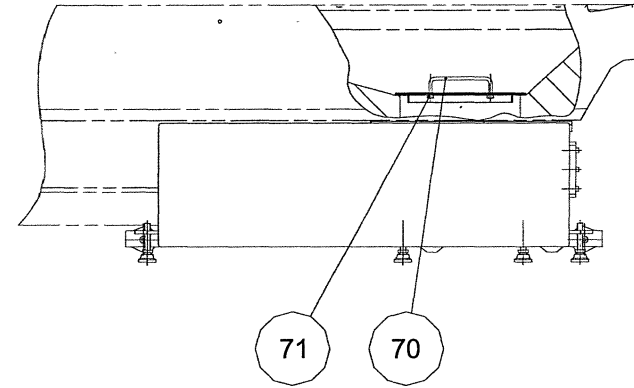
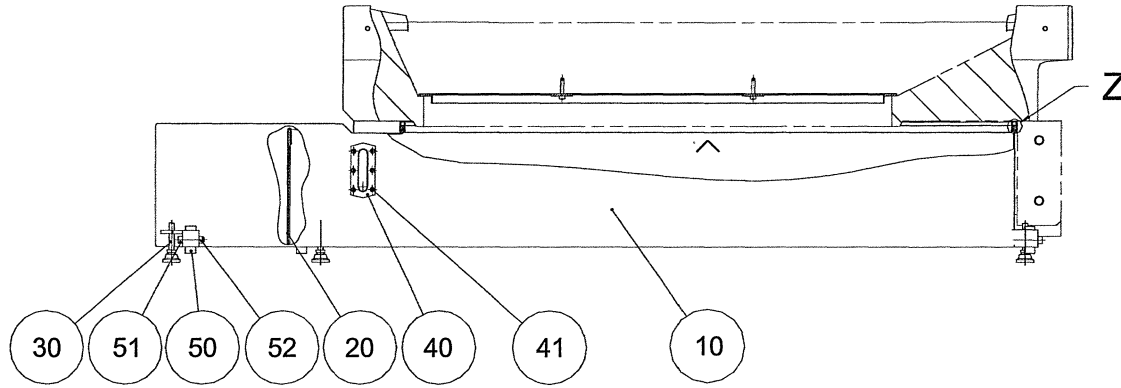
/

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2561968	KS-BEH Cooling lubricant tank	DMU 50

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2500844	KS-BEH Cooling lubricant tank	DMU50	1	pcs
11	2703248	DICHTPROFIL seal profile	209-2201	3,1	m
20	2510758	BLECH sheet	SIEB*DMU50	1	pcs
30	27079437	GELENKFUSS	GN343.2*32*M10*50*K	5	st
40	27075556	OELSCHAUGLAS oil inspection glass	FE-3*TEPLAST	1	st
41	26050183	ZYL-SHR-I6KT Hexagon socket cap screw	M5*20*8.8*912	6	st
50	27083363	RAD GEAR	POA-50/8G*BLICKLE	5	st
51	26050231	ZYL-SHR-I6KT Hexagon socket cap screw	M8*40*8.8*912	5	st
52	26064357	6KT-MUTTER Hexagon nut	M8*8*985	3	st
60	2561963	ABDECKUNG cover	KS-BEHAELTER*DMU50	1	pcs
70	10219624	BUEGEL		1	st
71	26050429	6KT-MUTTER Hexagon nut	M6*8.8*BR*934	2	st

Kühlschmierstoffbehälter//**Coolant tank**Baugruppe / Assembly group: **2561968**Seite / Page: **07.1-2**Zeichn.Nr. / Draw. No.: **2561968**Bl. / Page: **2 (2)**



Kühlschmierstoffbehälter WZM 16 //
Coolant tank- tool magazine 16 tools

Baugruppe / Assembly group: **2590726**

Seite / Page: **07.2-1**

Zeichn.Nr. / Draw. No.: **2590726**

Bl. / Page: **1 (2)**

Stückliste

Partlist

Baugruppe Product-Id.	Bezeichnung Designation	Spezifikation Spezification
2590726	KS-BEH Cooling lubricant tank	DMU50_WZM16

Pos. Pos.	Art.-Nr. Part Id.	Bezeichnung Designation	Spezifikation Spezification	Menge Quantity	Einh. Unit
10	2590683	KS-BEH Cooling lubricant tank	DMU50*WZM16	1	pcs
11	2703248	DICHTPROFIL seal profile	209-2201	3,1	m
20	2270104	BLECH metal sheet	SIEB*KSA O.SPÄNEF.	1	st
30	27079437	GELENKFUSS	GN343.2*32*M10*50*K	5	st
40	27075556	OELSCHAUGLAS oil inspection glass	FE-3*TEPLAST	1	st
41	26050183	ZYL-SHR-I6KT Hexagon socket cap screw	M5*20*8.8*912	6	st
50	27083363	RAD Hexagon socket cap screw	POA-50/8G*BLICKLE	5	st
51	26050231	GEAR ZYL-SHR-I6KT	M8*40*8.8*912	5	st
52	26064357	Hexagon socket cap screw 6KT-MUTTER	M8*8*985	3	st
60	2561963	Hexagon nut ABDECKUNG	KS-BEHAELTER*DMU50	1	pcs
70	10219624	cover BUEGEL		2	st
71	26050429	6KT-MUTTER Hexagon nut	M6*8.8*BR*934	4	st

Kühlschmierstoffbehälter WZM 16 //
Coolant tank- tool magazine 16 tools

Baugruppe / Assembly group: **2590726**

Seite / Page: **07.2-2**

Zeichn.Nr. / Draw. No.: **2590726**

Bl. / Page: **2 (2)**

4

4	Wiring diagrams feed drive diagram	4-3
4.1	Wiring diagrams feed drive (with measuring system)	4-3
4.2	Wiring diagrams feed drive (without measuring system)	4-5

4 Wiring diagrams feed drive diagram

4.1 Wiring diagrams feed drive (with measuring system)

2502668_1

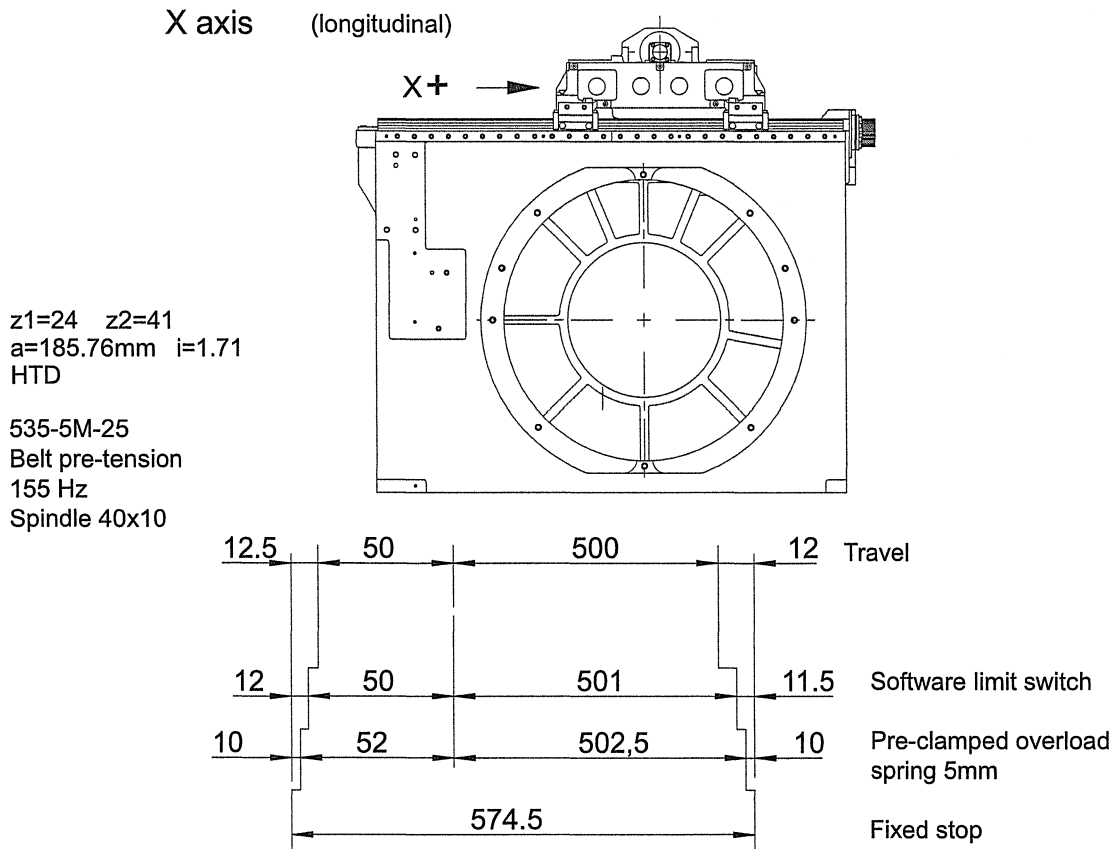


Illustration 4-1

2502668_2

Z axis (vertical)

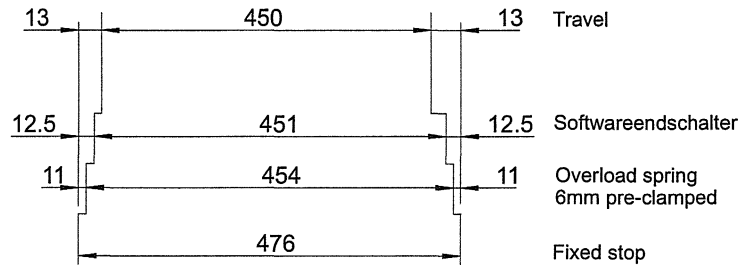
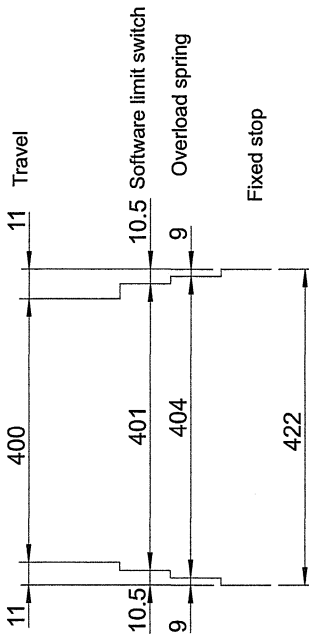
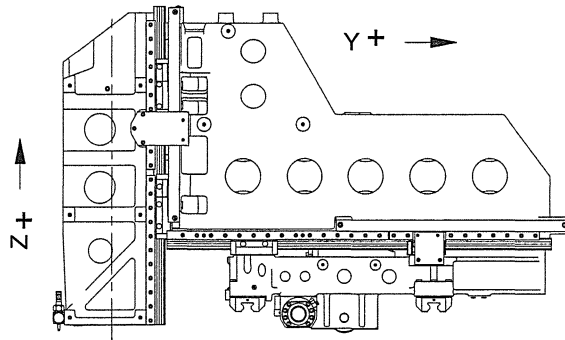
z1=35 z2=41
a=184.94mm i=1.17
HTD

560-5M-25
1: Belt pre-tension
155 Hz
Spindle 32x10

Overload spring:
2 pcs each d50xd17x63
9mm pre-clamped

Y axis (transverse)

z1=24 z2=41
a=185.76mm i=1.71
HTD
535-5M-25
Belt pre-tension 155 Hz
Spindle 40x10



		Engine	Controller
HDH	X axis	24m Rapid traverse 1FK7060-5AH71-1AG0	7.5/15 Digital Md = 6 Nm _{nenn}
	Y axis	24m Rapid traverse 1FK7060-5AH71-1AG0	7.5/15 Digital Md = 6 Nm _{nenn}
	Z axis	24m Rapid traverse 1FK7060-5AF71-1AH0	7.5/15 Digital Md = 6 Nm _{nenn}
SL	X axis	24m Rapid traverse 1FK7060-5AH71-1DG0	9/18 Digital Md = 6 Nm _{nenn}
	Y axis	24m Rapid traverse 1FK7060-5AH71-1DG0	9/18 Digital Md = 6 Nm _{nenn}
	Z axis	24m Rapid traverse 1FK7060-5AF71-1DH0	9/18 Digital Md = 6 Nm _{nenn}

Illustration 4-2

4.2 Wiring diagrams feed drive (without measuring system)

2502669_1

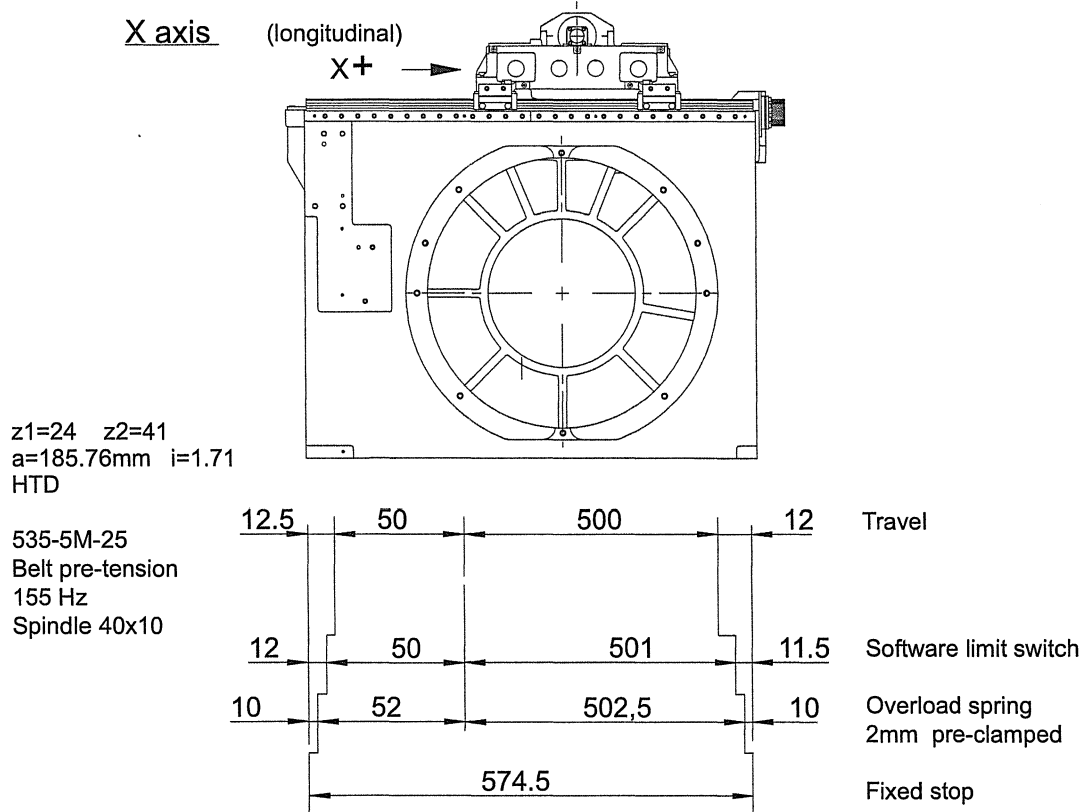


Illustration 4-3

2502669_2

Z axis (vertical)

z1=35 z2=41
a=184.94mm i=1.17
HTD

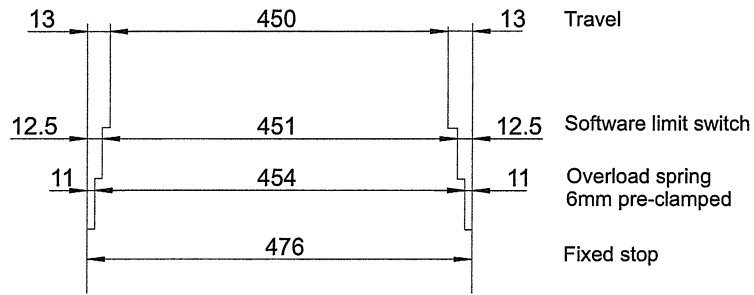
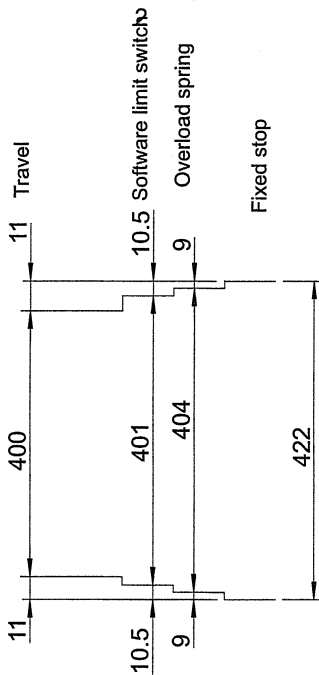
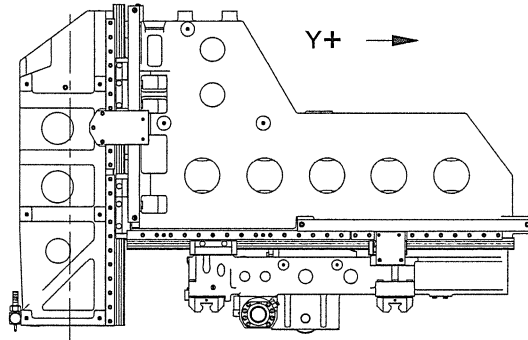
560-5M-25
Belt pre-tension 155 Hz
Spindle 32x10

Overload spring 2 pcs each
d50xd17x63 9mm pre-clamped

Y axis (transverse)

z1=24 z2=41
a=185.76mm i=1.71
HTD

535-5M-25
Belt pre-tension 155 Hz
Spindle 40x10



		Engine	Controller	
HDH	X axis	24m Rapid traverse 1FK7060-5AH71-1EG0	7.5/15 Digital	Md = 6 Nm _{nenn}
	Y axis	24m Rapid traverse 1FK7060-5AH71-1EG0	7.5/15 Digital	Md = 6 Nm _{nenn}
	Z axis	24m Rapid traverse 1FK7060-5AF71-1EH0	7.5/15 Digital	Md = 6 Nm _{nenn}
SL	X axis	24m Rapid traverse 1FK7060-5AH71-1FG0	9/18 Digital	Md = 6 Nm _{nenn}
	Y axis	24m Rapid traverse 1FK7060-5AH71-1FG0	9/18 Digital	Md = 6 Nm _{nenn}
	Z axis	24m Rapid traverse 1FK7060-5AF71-1FH0	9/18 Digital	Md = 6 Nm _{nenn}

Illustration 4-4

5

5	Connection diagrams and equipment lists - Lubrication/cooling	5-3
5.1	Cooling/lubrication 2629114	5-3
5.2	Central lubrication 2644479	5-15
5.3	Cooling 2629110	5-24

5 Connection diagrams and equipment lists - Lubrication/cooling

5.1 Cooling/lubrication 2629114

Overview

Deckel Maho Seebach GmbH
 Neue Straße 61
 D-99846 Seebach
 Telephone (036929) 812-0
 Telefax (036929) 812-405

Coolant plan

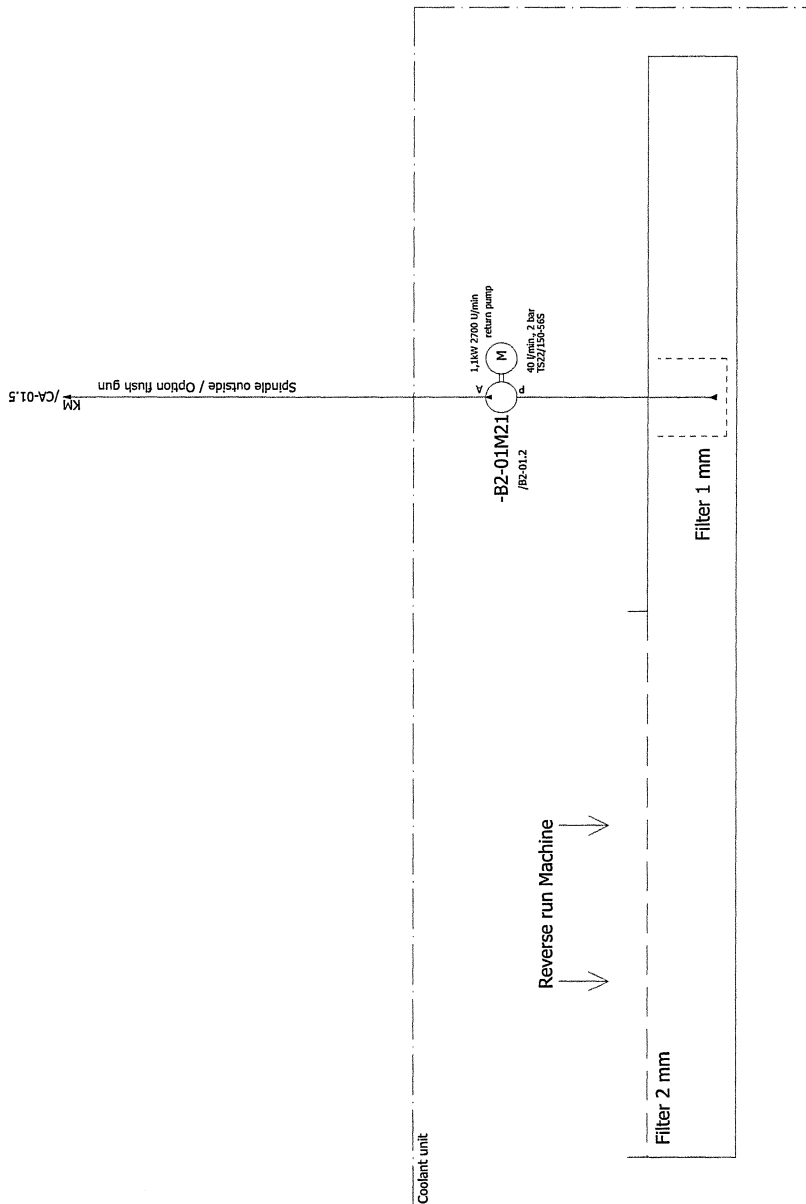
Elaborated by:	DECKEL MAHO Seebach GmbH
Machine:	DMU 50 / 70
series:	xxxx
project number:	MONTAGE

equipment

CA-01	coolant tank with Pump 2 bar
CA-01	Chip conveyor with Pump 2 bar
CA-02	coolant tank with Lifting pump
CA-02	Chip conveyor with Lifting pump
CA-03	KSA 600l with BFA Pump 2 bar + 20 bar
CB-01	cooling lubricant Spindle outside
CB-02	cooling lubricant Spindle outside + IKZ
CX-01	Option flush gun

Figure 5-1

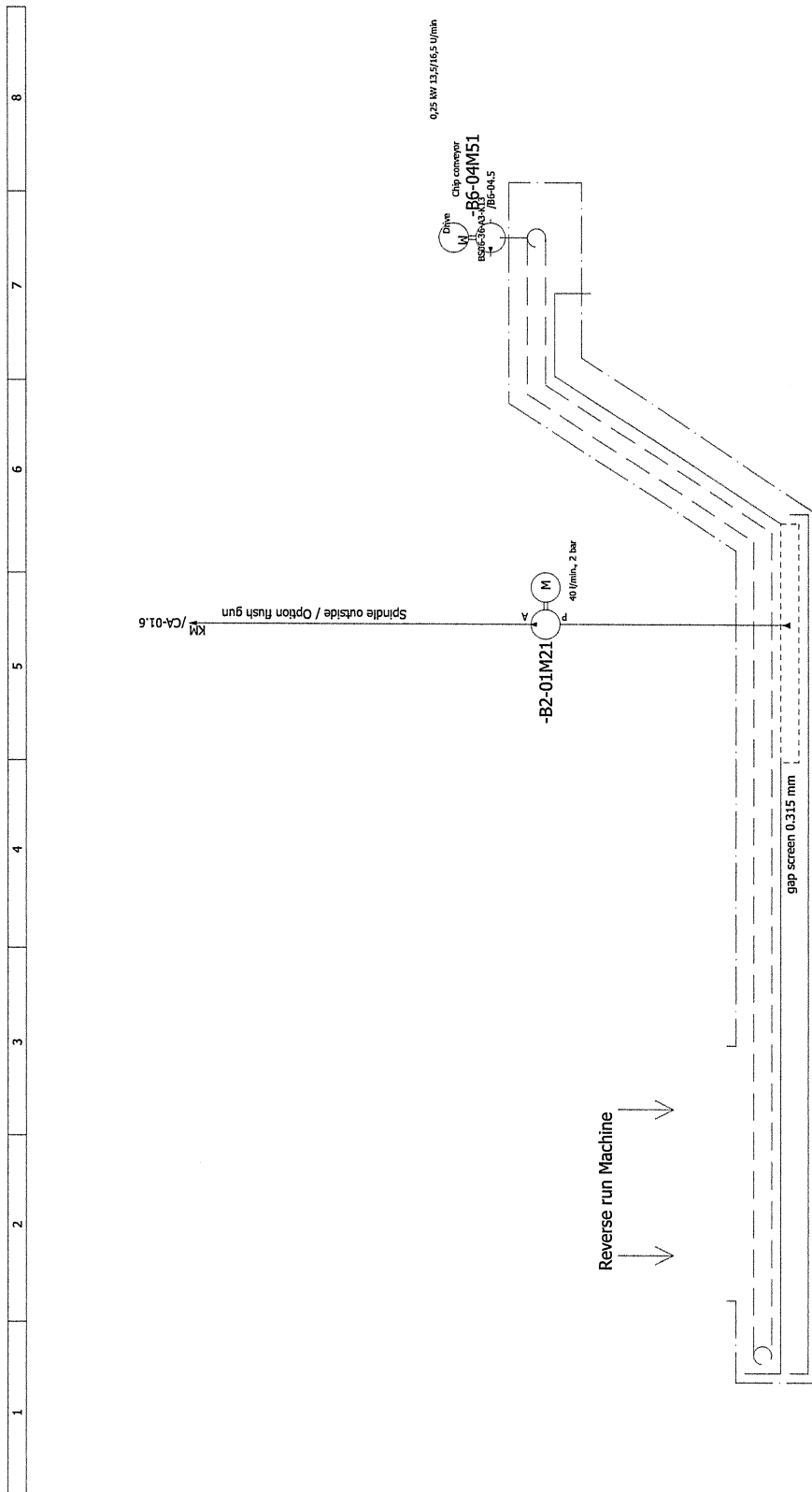
Cooling/lubrication - container with pump 2 bar



sheet CA-01/001

Figure 5-2

Cooling/lubrication - chip conveyor (SPF) with pump 2 bar



sheet CA-01/002

Figure 5-3

Chip conveyor (SPF) with lift pump

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

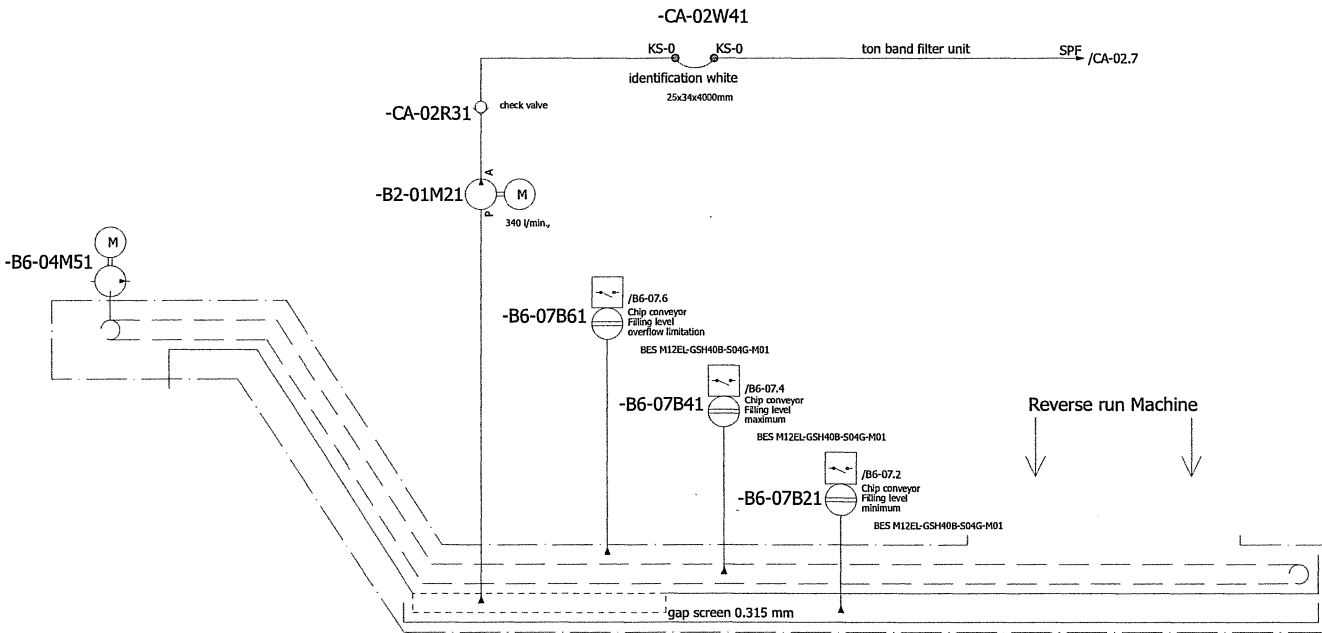


Figure 5-4

sheet CA-02/001

Coolant tank with lift pump

sheet CA-02/002

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

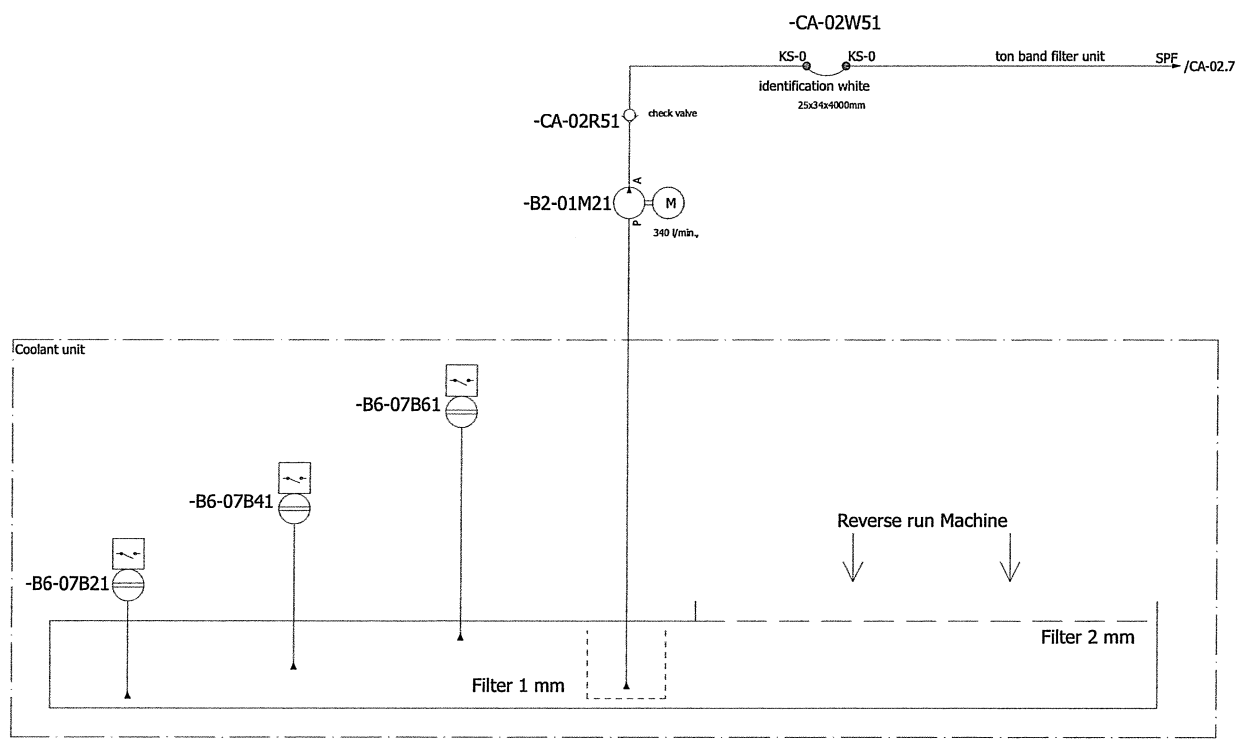
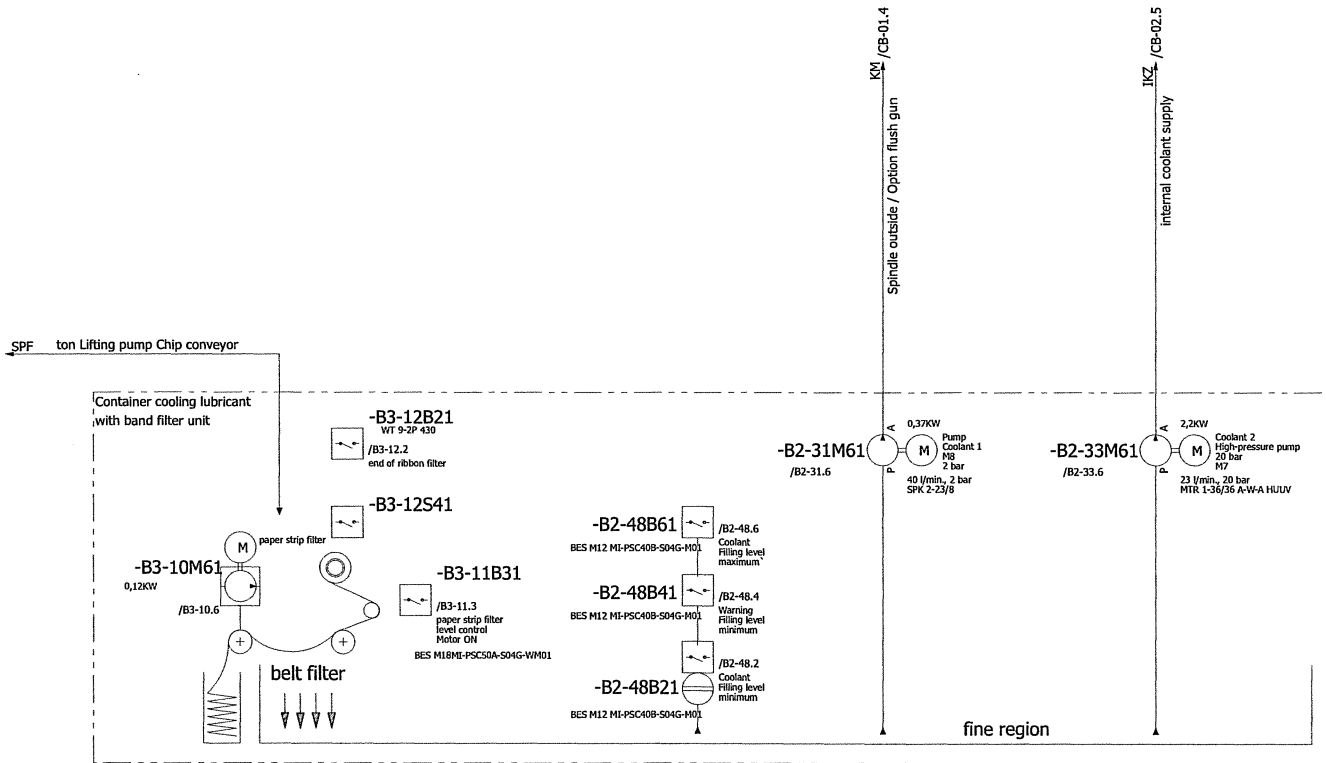


Figure 5-5

Coolant lubricant system 600 l with band-pass filter system & internal coolant supply pump

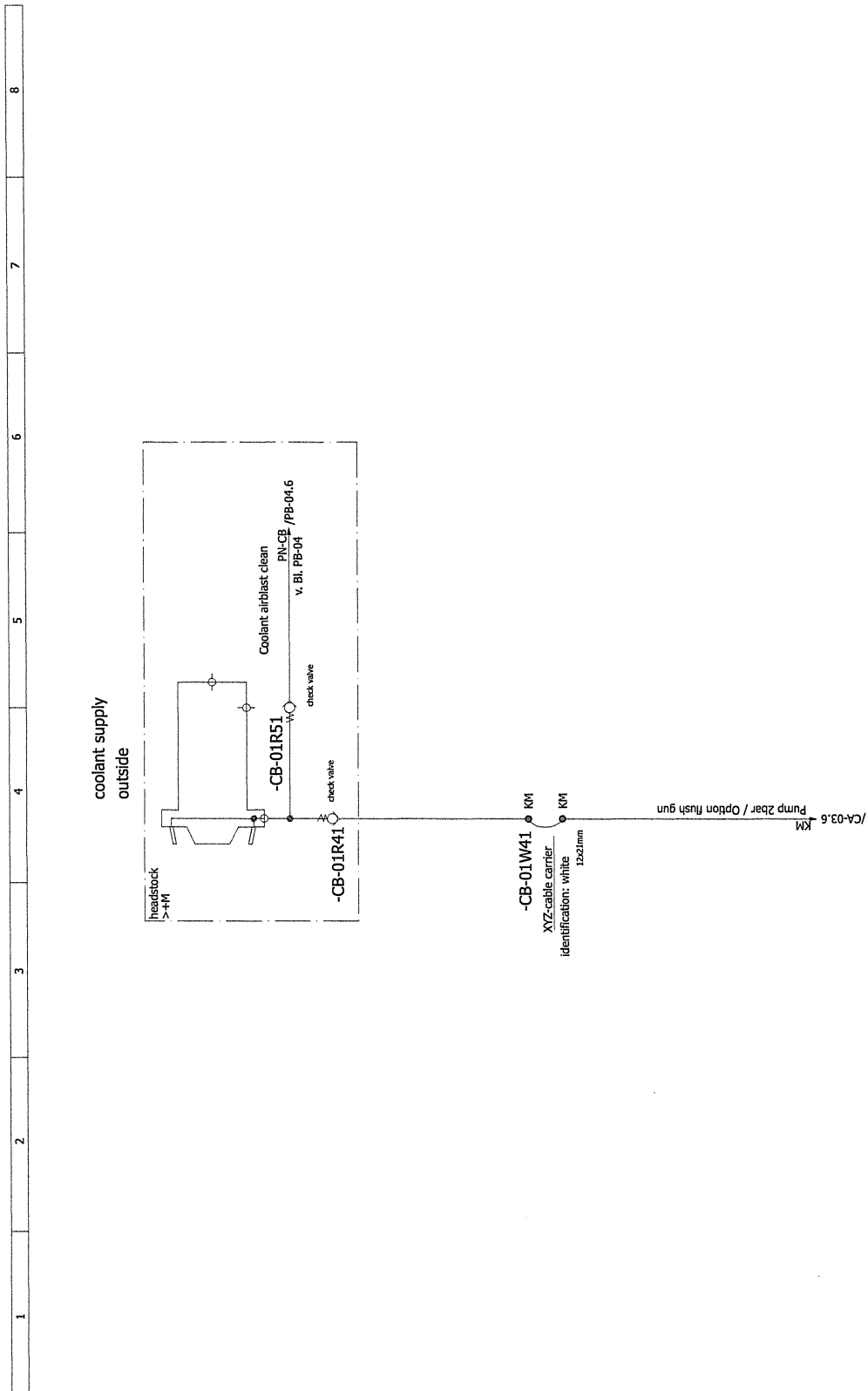
1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---



sheet CA-03/001

Figure 5-6

External spindle cooling/lubrication



sheet CB-01/001

Figure 5-7

External cooling/lubrication and internal coolant supply spindle 10000 / 14000 rpm

sheet CB-02/001

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

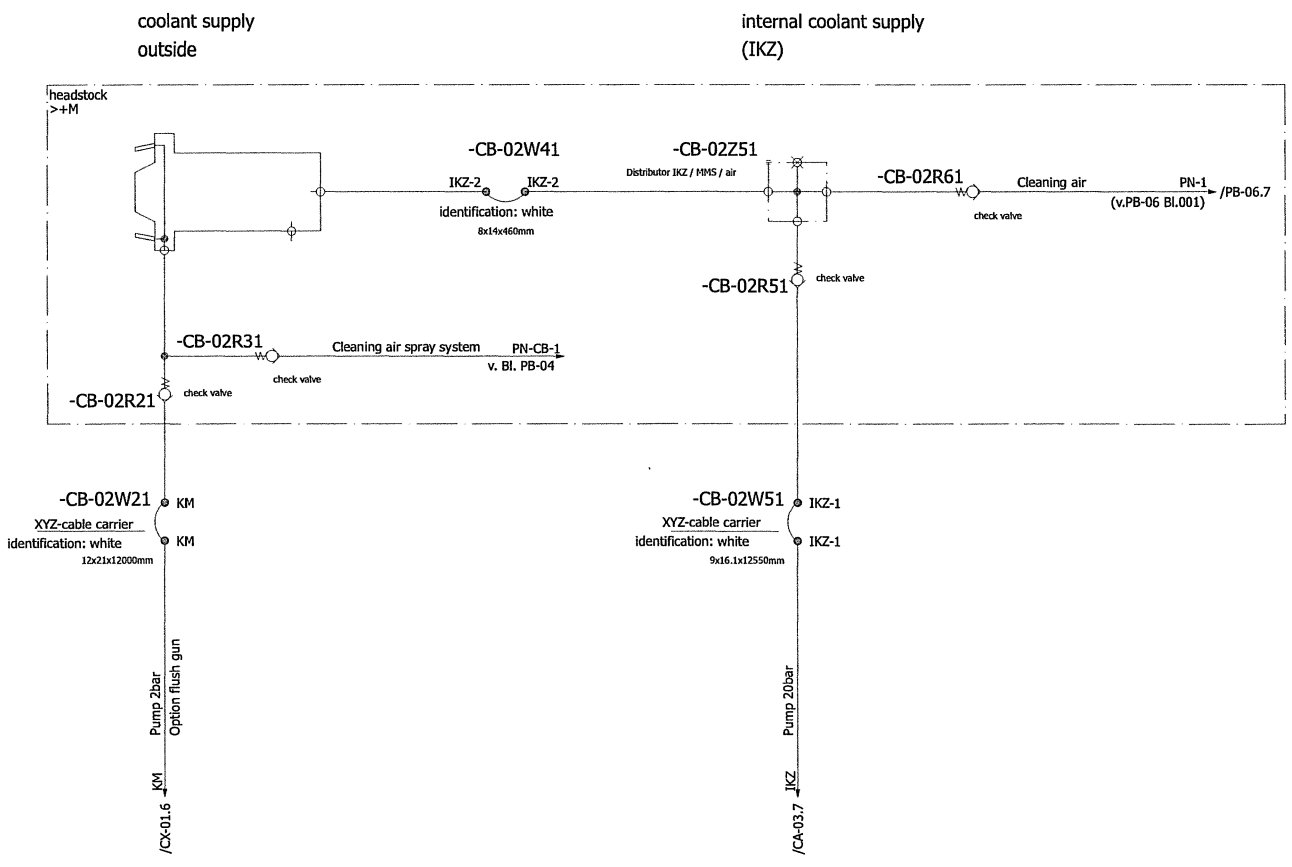
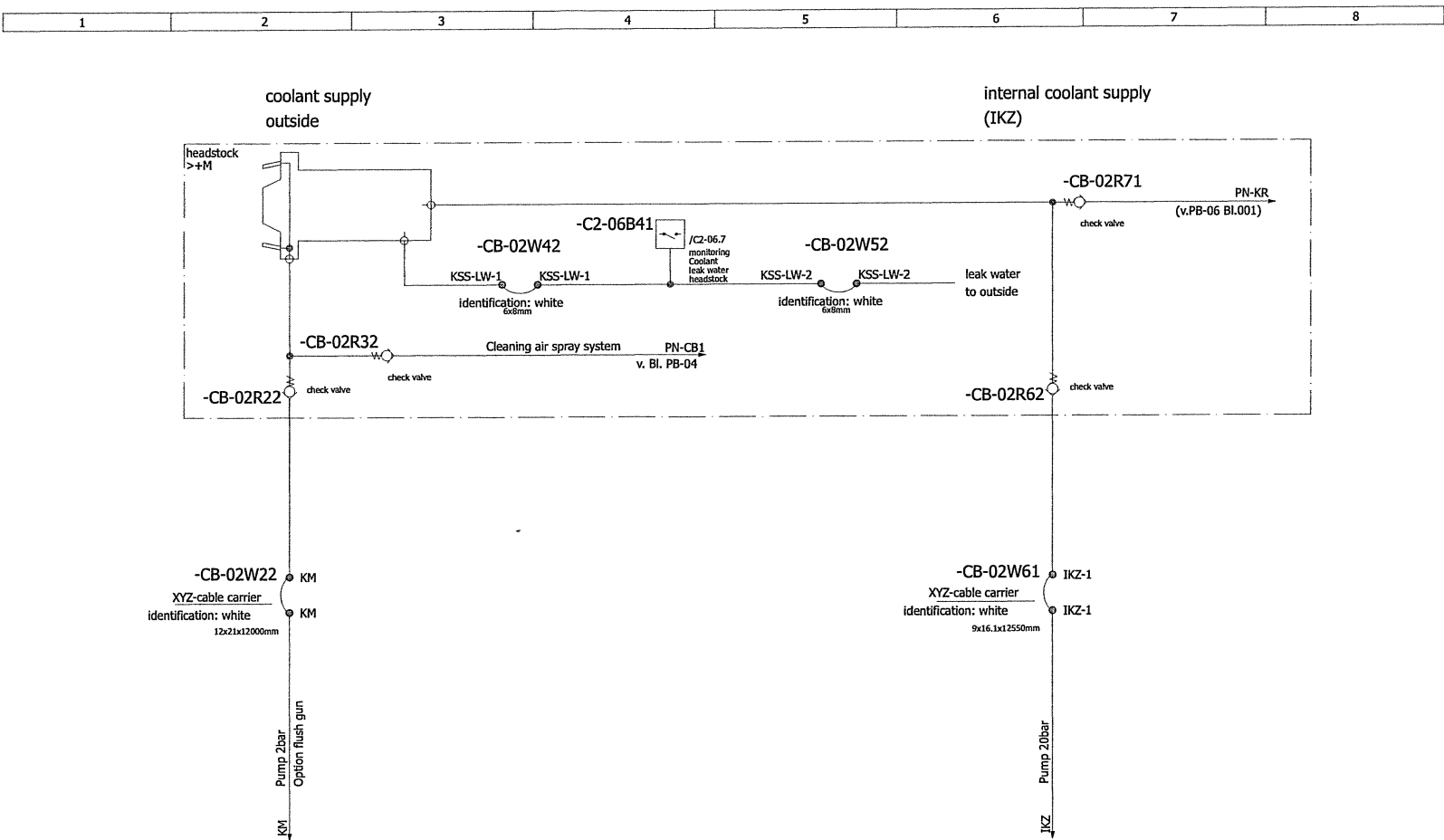


Figure 5-8

External cooling/lubrication and internal coolant supply spindle 18000 rpm

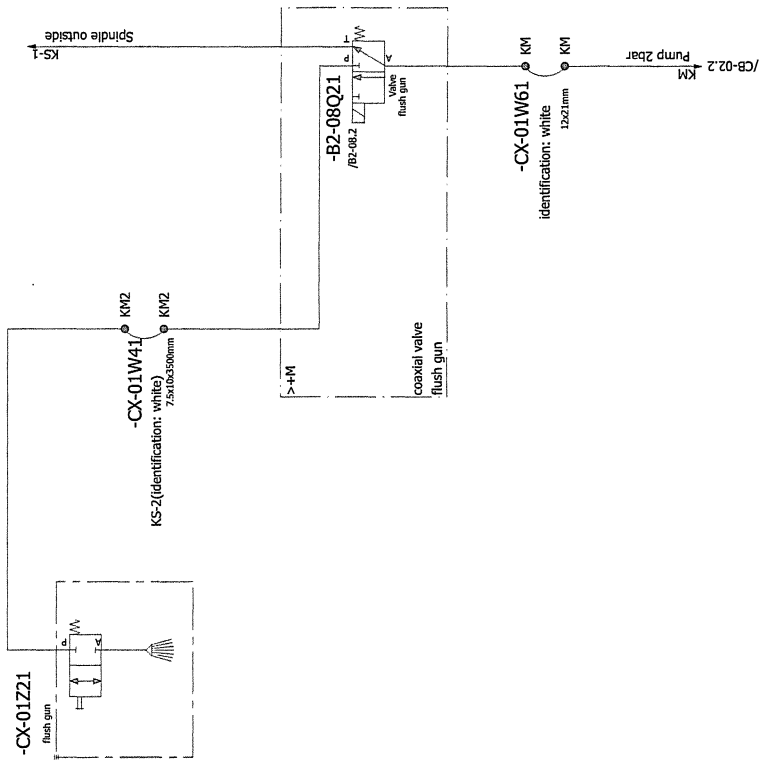


sheet CB-02/002

Figure 5-9

Coolant lubricant system - rinsing gun option

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---



sheet CX-01/001

Figure 5-10

Lubrication plan

Deckel Maho Seebach GmbH
 Neue Straße 61
 D-99846 Seebach
 Telephone (036929) 812-0
 Telefax (036929) 812-405

<i>Elaborated by:</i>	DECKEL MAHO Seebach GmbH
<i>Machine:</i>	DMU 50
<i>series:</i>	4526
<i>project number:</i>	MONTAGE

equipment

LA-01	lubrication unit
LB-01	Lubrication swivel circular table Standard
LB-01	Lubrication SIM-swivel circular table axis of revolution
LC-01	Lubrication SIM-swivel circular table swiveling axis
LG-01	Lubrication Carriage X-axis
LG-02	Lubrication Carriage + Spindle nut Y-, Z-axis

Figure 5-13

Central lubrication - lubricating unit

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Lubrication to time control

Lubrication interval operation: 240 min

Low-viscosity grease: NLGI Class.000 (L 800)

stop-Lubrication: 1200 min

capacity Container: 1.8 l

Actuation Pump: +10 s

capacity/cycle: 0.54 cm³

pressure: 30 bar

transport current: 0.1l/min

activation Aggregate --> Pressure reached
and at Connection: to-pumps 10s

monitoring - time adjustment: 55s

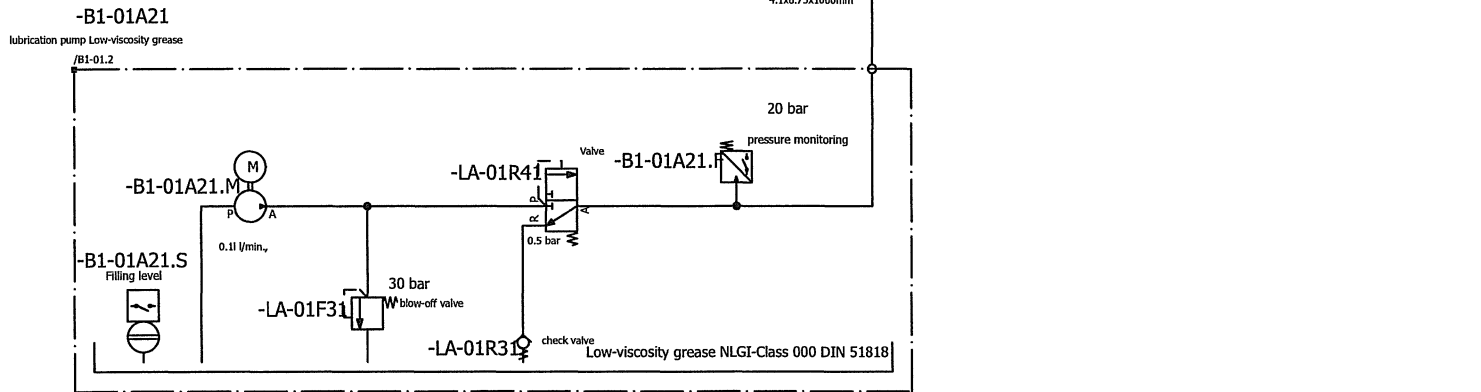
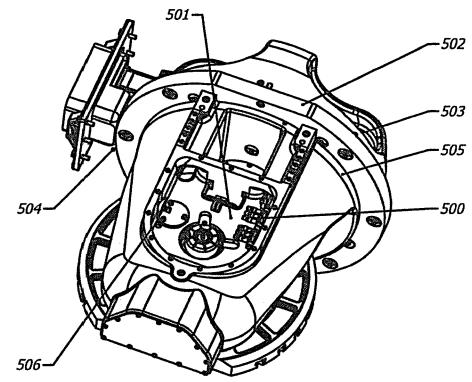
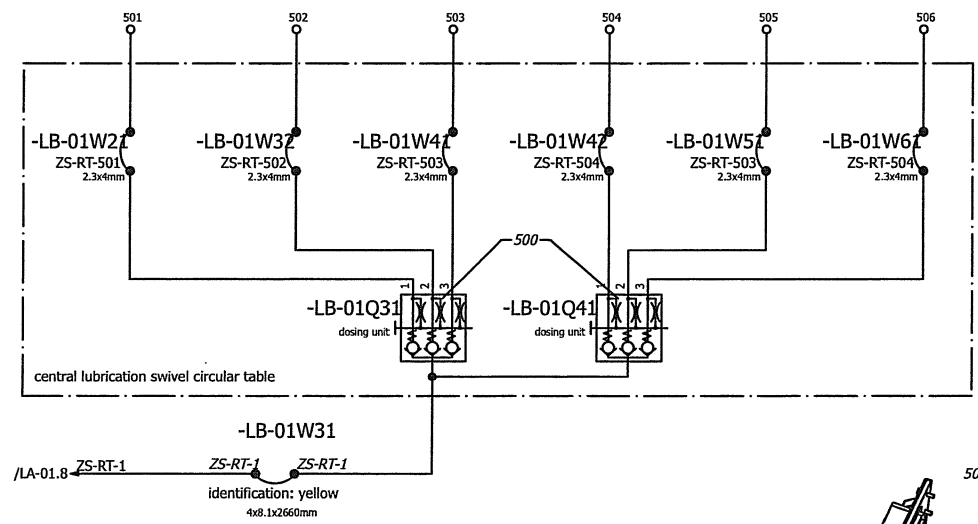
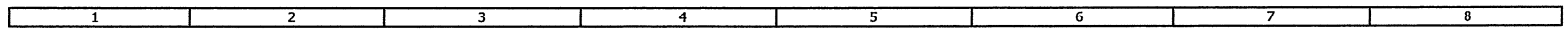


Figure 5-14

sheet LA-01/001

Central lubrication - swivelling rotary table - standard



connection Nr.	quantity cm ³	length lubricant line mm
501	0.1	220
502	0.1	940
503	0.03	1200
504	0.1	620
505	0.1	960
506	0.06	300

Figure 5-15

Central lubrication - SIM swivelling circular table - rotational axis

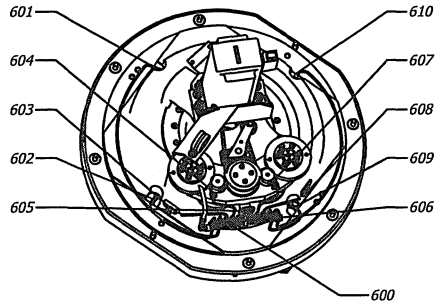
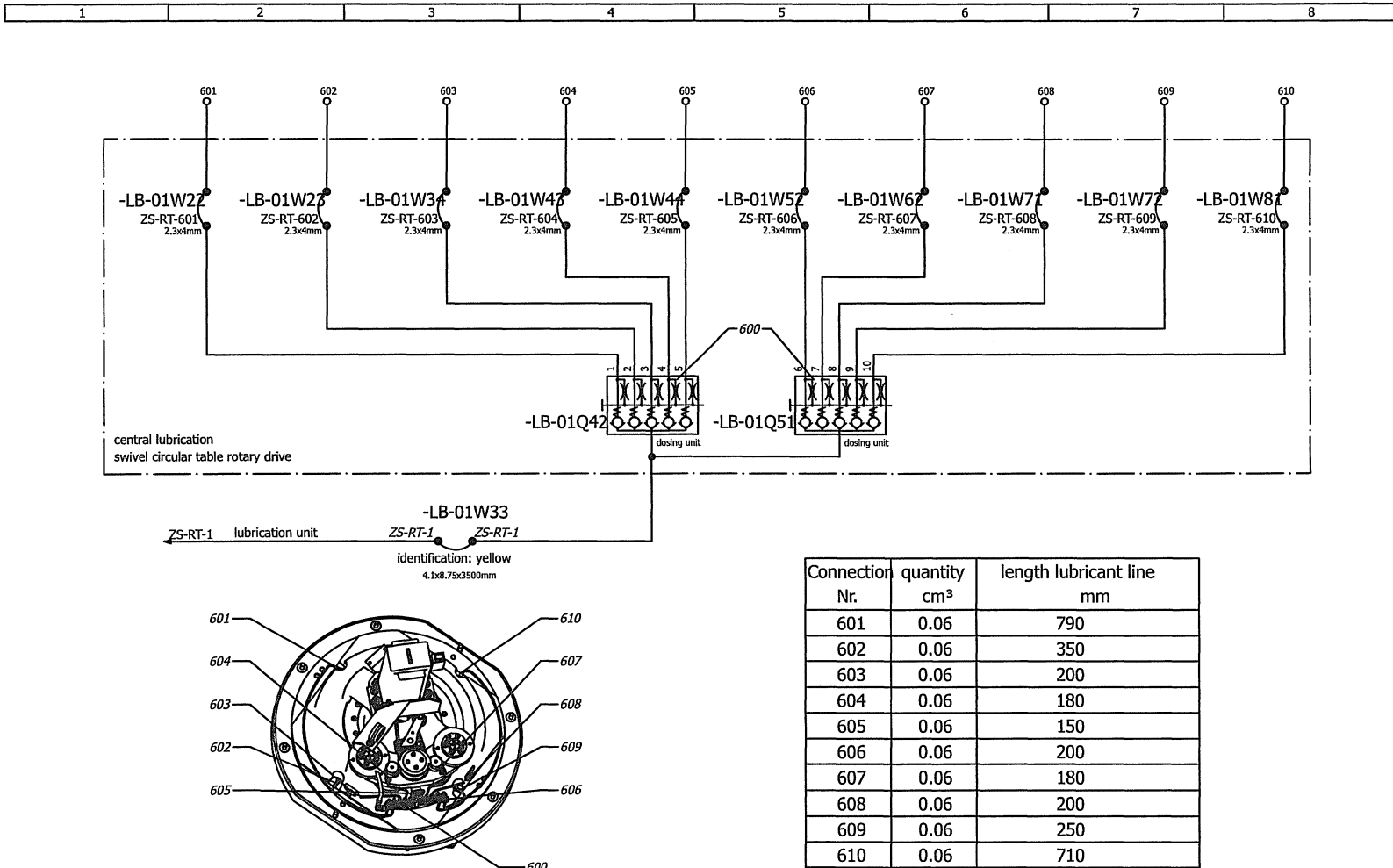
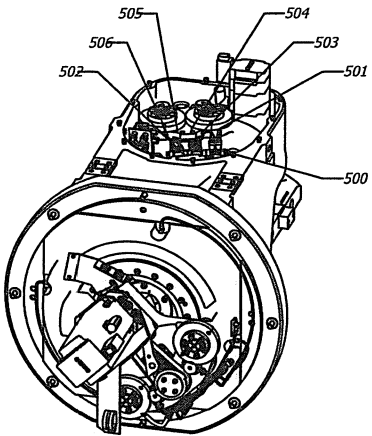
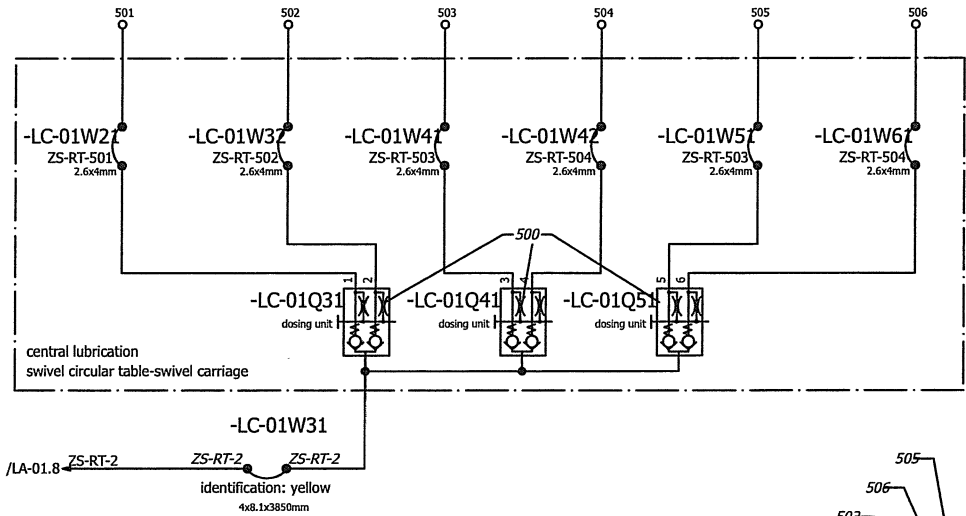
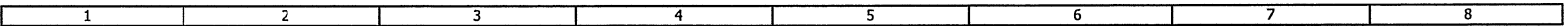


Figure 5-16

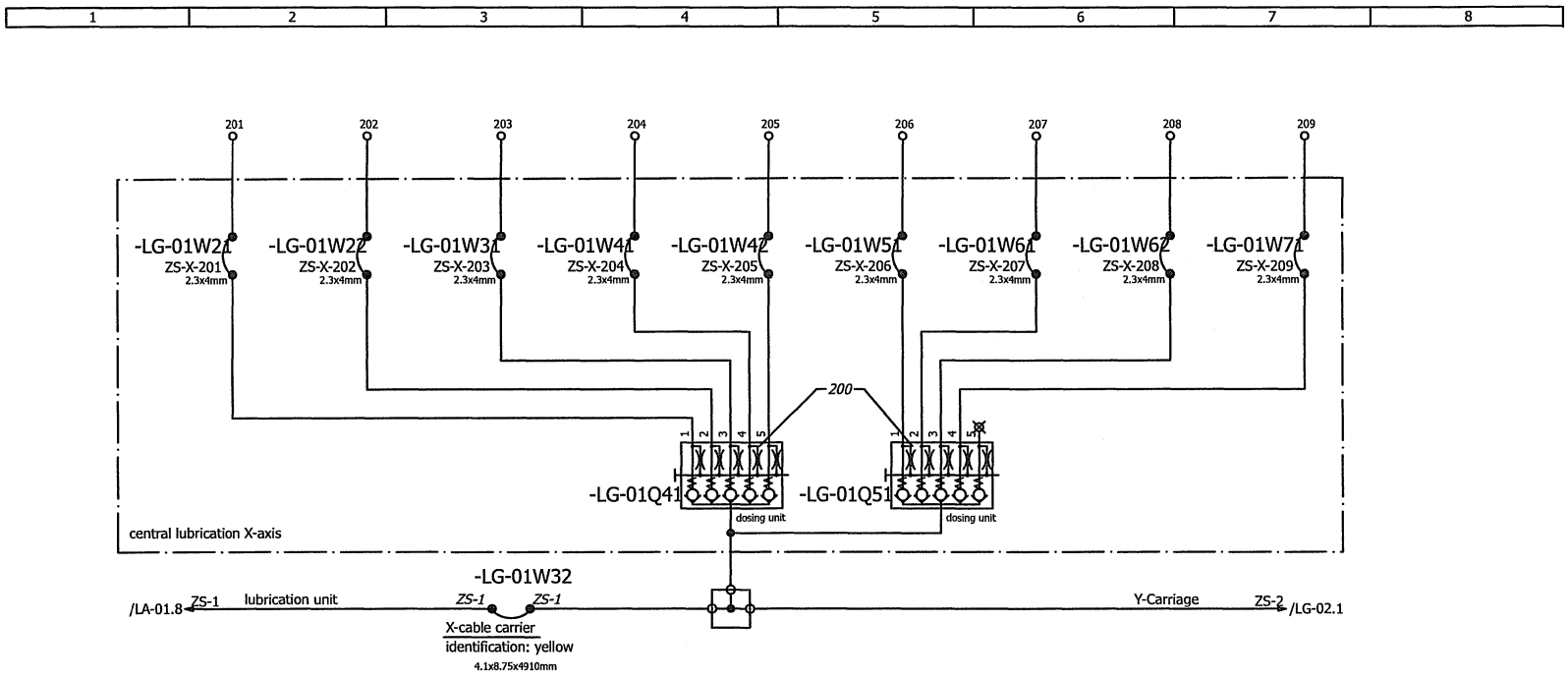
Central lubrication - SIM swivelling circular table - swivel axis



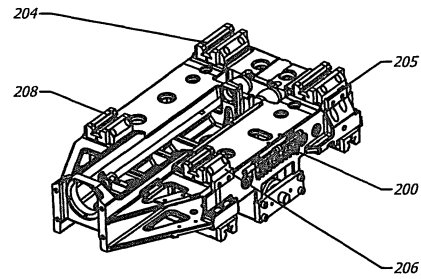
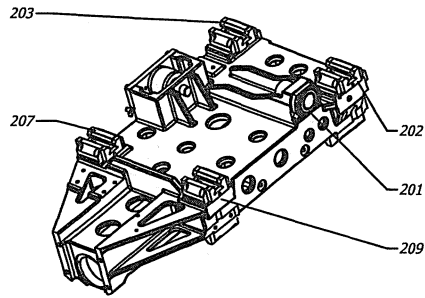
Consumables Nr.	quantity cm ³	length lubricant line mm
501	0.06	35
502	0.06	188
503	0.06	57
504	0.06	94
505	0.06	94
506	0.06	57

Figure 5-17

Central lubrication - X slide



Connector Nr.	quantity cm ³	length lubricant line mm
201	0.06	1200
202	0.03	1200
203	0.03	500
204	0.03	1200
205	0.03	500
206	0.03	900
207	0.03	900
208	0.03	500
209	0.03	500



sheet LG-01/001

Figure 5-18

Central lubrication - Y slide and headstock

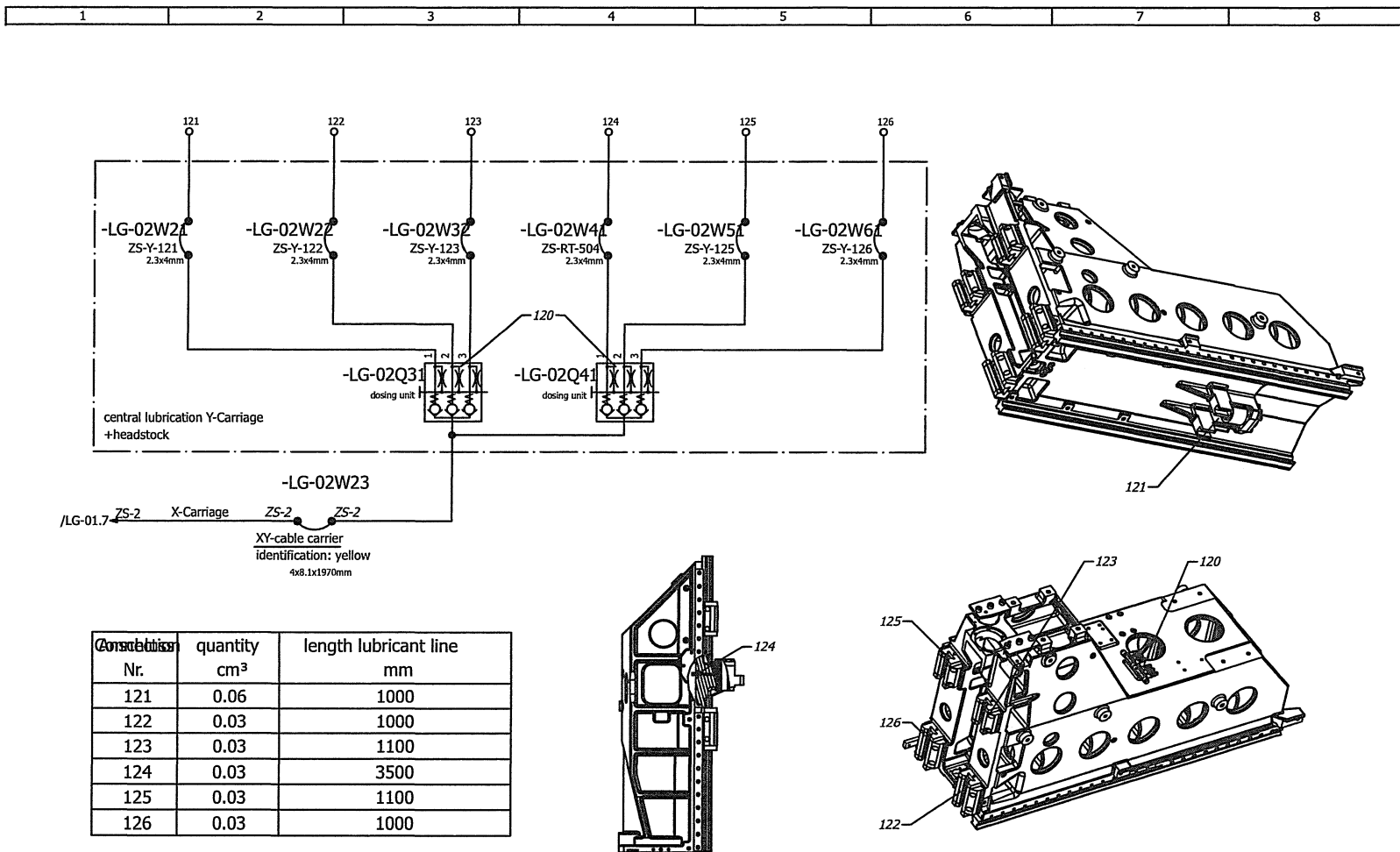


Figure 5-19

Cool plan

Deckel Maho Seebach GmbH

Neue Straße 61

D-99846 Seebach

Telephone (036929) 812-0

Telefax (036929) 812-405

Elaborated by:	DECKEL MAHO Seebach GmbH
Machine:	DMU 50 / 70
series:	xxxx
project number:	MONTAGE

equipment

RA-01	Heat exchanger 0.1KW
RA-01	Heat exchanger 0.15KW (Spindle 18000min ⁻¹)
RA-02	cooling aggregate 2.0KW
RB-01	Cooling Motor spindle

Cooling unit 100 W

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

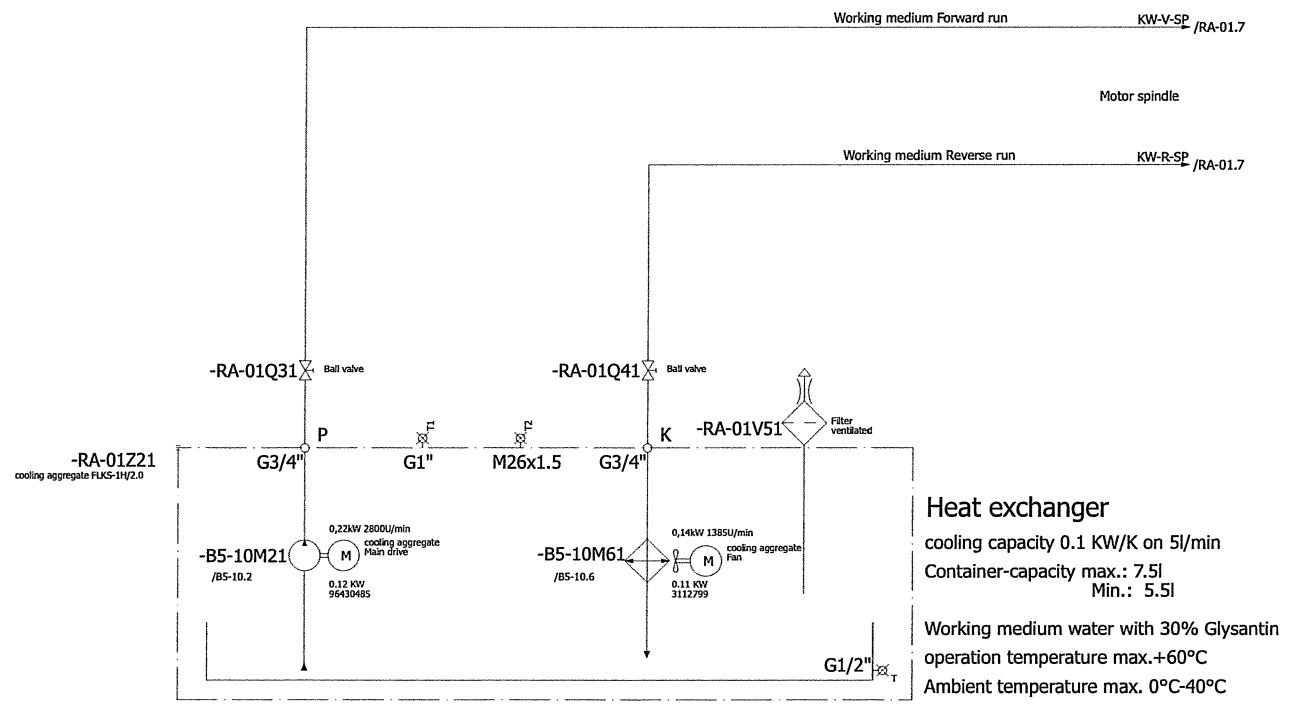


Figure 5-22

Cooling unit 150 W - mandrino 18000 rpm

sheet RA-01/002

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

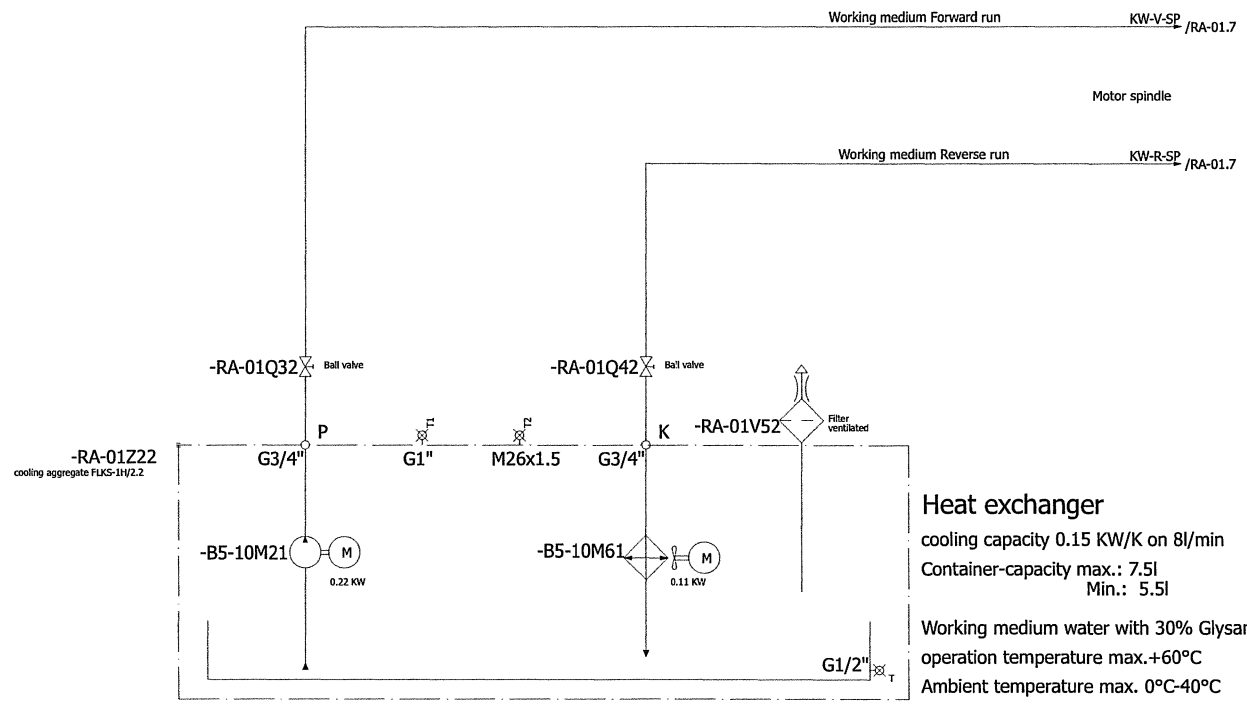
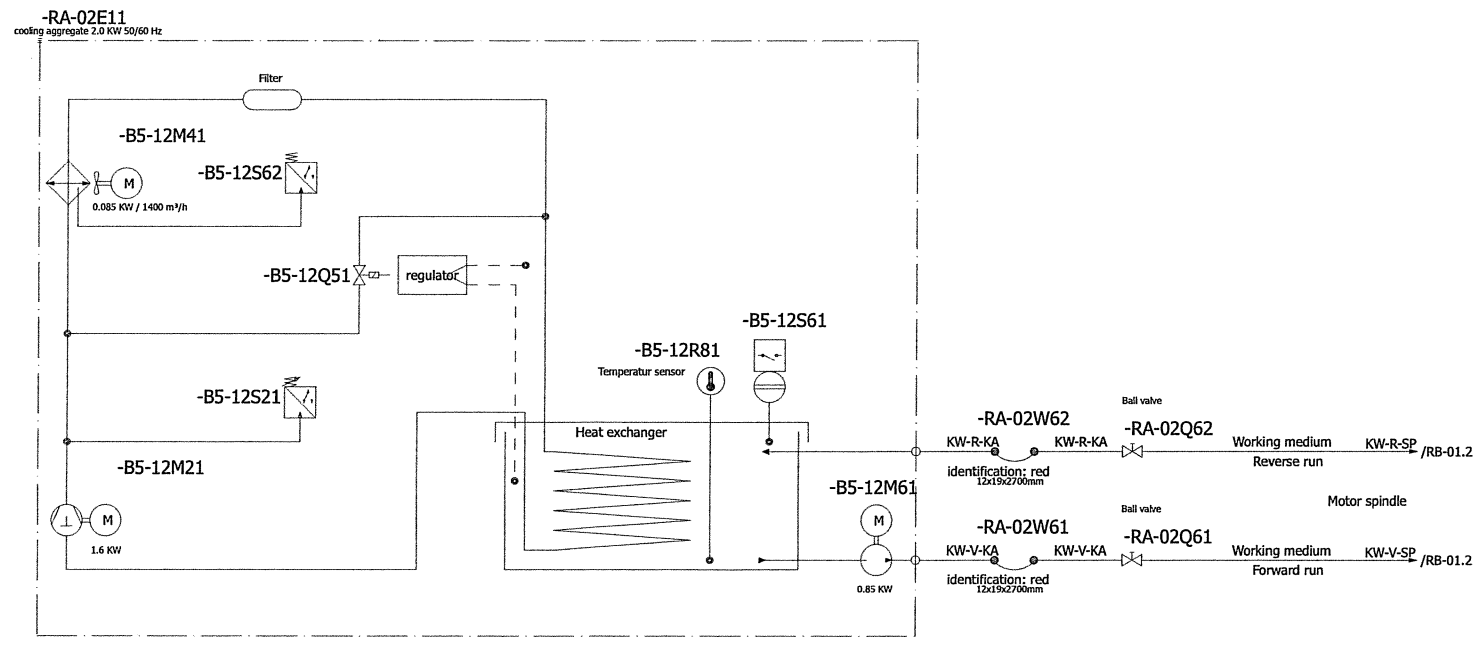


Figure 5-23

Cooling option - active cooling unit 2,0 KW

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---



cooling aggregate
 cooling capacity 2.0 KW
 Container-capacity 18.5l
 Working medium 70% water 30% Glysantin

Figure 5-24

sheet RA-02/001

Cooling - motor spindle

sheet RB-01/001

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

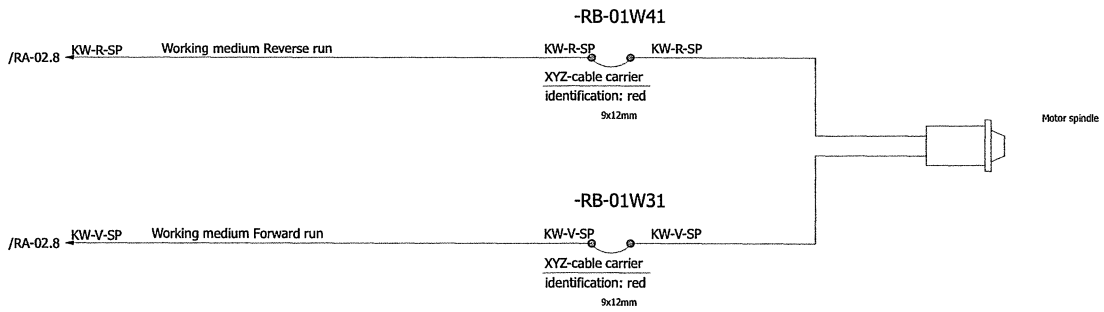


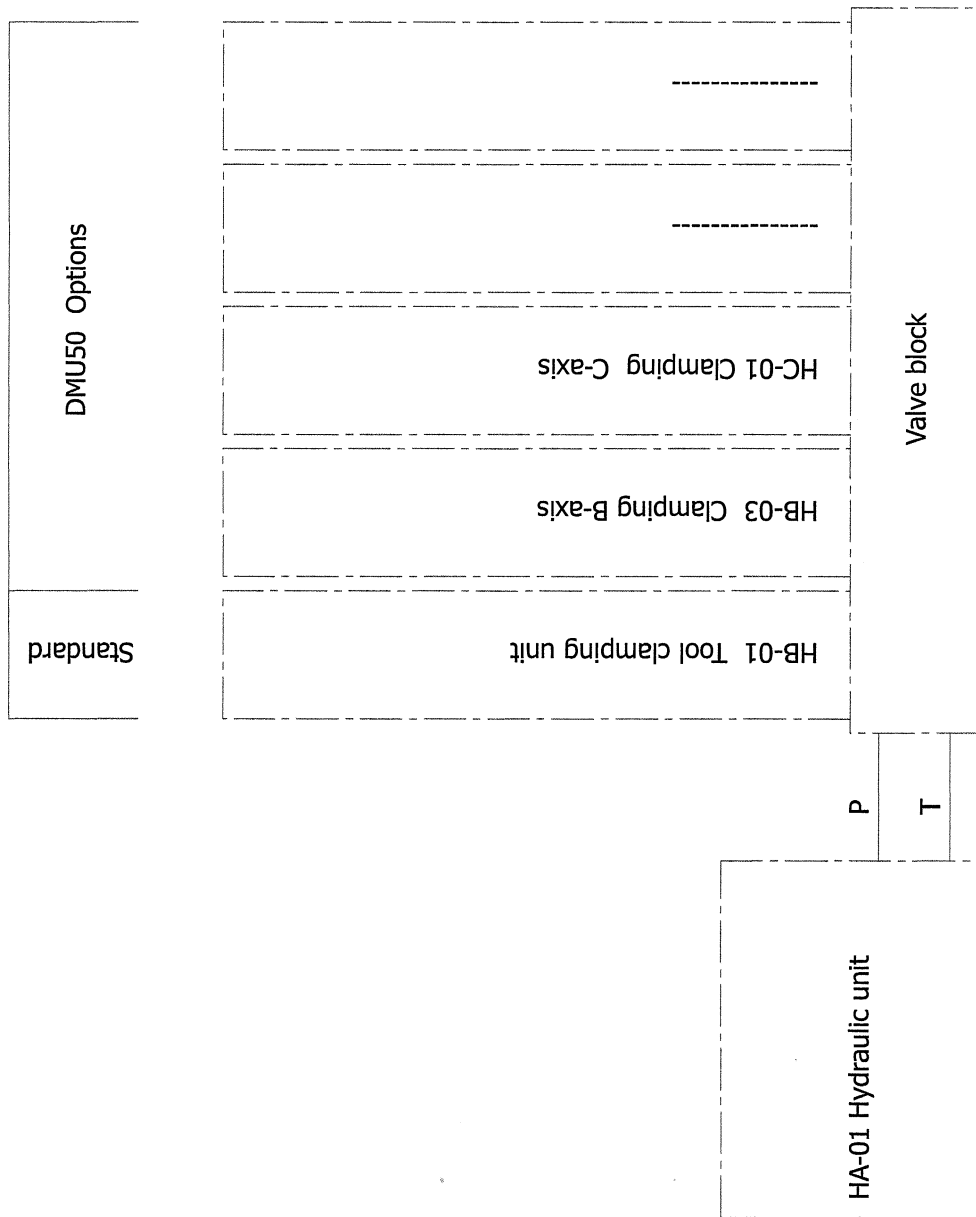
Figure 5-25

6

6	Wiring diagrams and unit lists of hydraulics	6-3
6.1	Hydraulik plan 2628969	6-3

Hydraulik block diagram

block diagram



sheet: DB-01/001

Illustration 6-2

Overview OMM

identification of components: Equipment-specific ID (OMM)

Component part	identification	Example
with electric connection	electric OMM	G1-01Q21
without electric connection	mechanical OMM	HB-01V21

Beispiel:

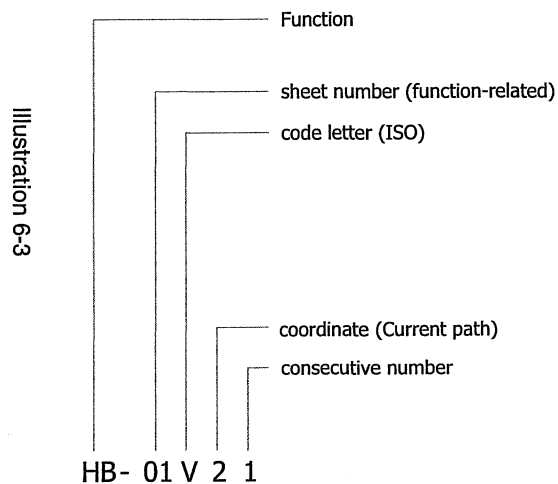


Illustration 6-3

Function

- HY → Hydraulic (hydraulic)
- PN → pneumatic system (pneumatic)
- LU → Lubrication (lubrication)
- CU → cooling lubricant (coolant unit)
- CA → Cooling (cooling aggregat)

code letter (ISO)

- M → drives and cylinder
Motors and pumps
- U → drives and cylinder -----
- B → signal-sensing element
- C → memory
- P → display
- X → Coupling
- V → Filter
- F → blow-off valve
- Q → pressure-Valves
- R → check valve
- W → hose lines and rotary passage

- HB-01V21 Equipment-specific ID
- HB-01 page no.
- HB-01/001 page no. / variant

Overview function groups

The flow charts are reasoned in a module system.

Every function (module) has to be drawn on a separate sheet.

The hydraulic function groups:

FG	Function	Designation
1 Supply	HA-01	Hydraulic unit
	HA-02	Valve block with memory
2 Spindle	HB-01	Tool clamping unit (Motor spindle)
	HB-02	Hydraulic-Clamp
	HB-03	swivel cutter head (Clamping B-axis)
	HB-04	swivel cutter head swing
	HB-05	3-Punkt-Clamp pick-up spindle
	HB-05	Angular head
	HB-06	media connection pick-up spindle
	HB-07	Clamping milling spindle FD
	HB-07	Clamping milling spindle FD gear
	HB-08	Tool clamping unit pick-up spindle HSK-A63
HB-08	Tool clamping unit pick-up spindle HSK-E50	
3 Table	HC-01	Clamping Milling turntable
	HC-02	pallet indexing at Working space
	HC-03	Hydraulic oil supply system docking Working space
	HC-04	Hydr. movable headstock
	HC-05	NC dividing apparatus
4 Pallet changer	HD-01	Clamping Partsapparat
	HD-02	pallet clamping
	HD-03	Pallet changer on/down
	HD-04	Pallet changer swing
	HD-05	enable - Valve Clamping Pallet
	HD-06	pallet clamping FD
	HD-07	pallet indexing FD
	HD-08	Pallet changer on/down SRT
	HD-09	Clamping Partsapparat Tension

Illustration 6-4

FG	Function	Designation
5 setup station Linear- and round storage	HE-01	round storage Pallet lift/lower
	HE-02	setup station-indexing
	HE-03	setup station pallet clamping FD/Clamping hydraulics
	HE-04	pallet clamping setup station
	HE-05	Hydraulic oil supply system docking setup station
	HE-06	pallet indexing-/Clamping setup station
6 Clamping hydraulics	HF-01	Hydraulic unit
	HF-02	Working space tie point 1
	HF-03	setup station tie point 1
	HF-04	Working space tie point 2
	HF-05	setup station tie point 2
	HF-06	Working space tie point 3
	HF-07	setup station tie point 3
	HF-08	Working space tie point 4
	HF-09	setup station tie point 4
	HF-10	Working space Tension
	HF-11	setup station Tension
7 Machine	HG-01	Clamping X-axis
8 tool-changer	HH-01	
9 miscellaneous	HS-01	clamping systems
	HS-02	clamping system Fixture lower/lift
	HS-03	weight balance right
	HS-04	weight balance left
	HS-05	weight balance
	HS-06	Hydraulic unit
10 Tuning	HT-01	
	closed	
	HZ-99	

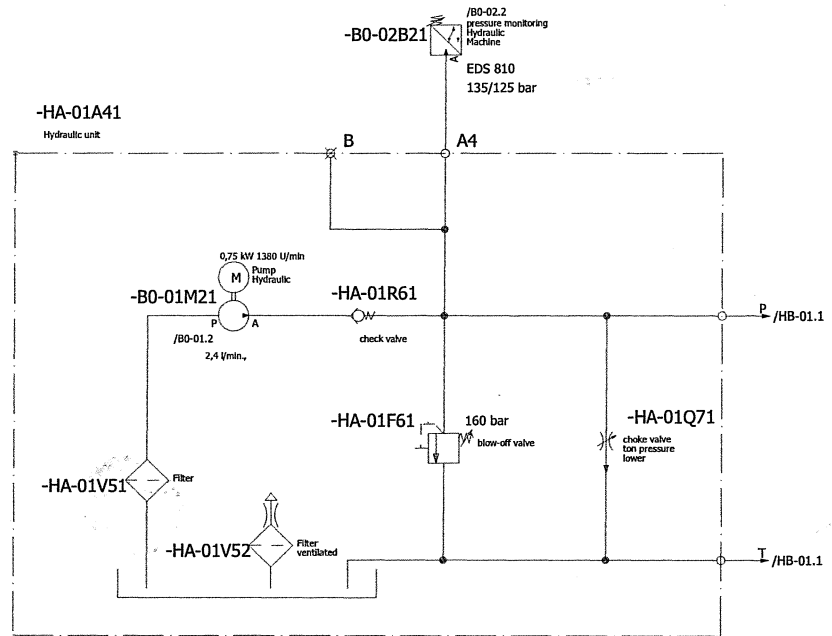
Hydraulic Function groups

Hydraulic unit

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Technical data closed Aggregate 2616353

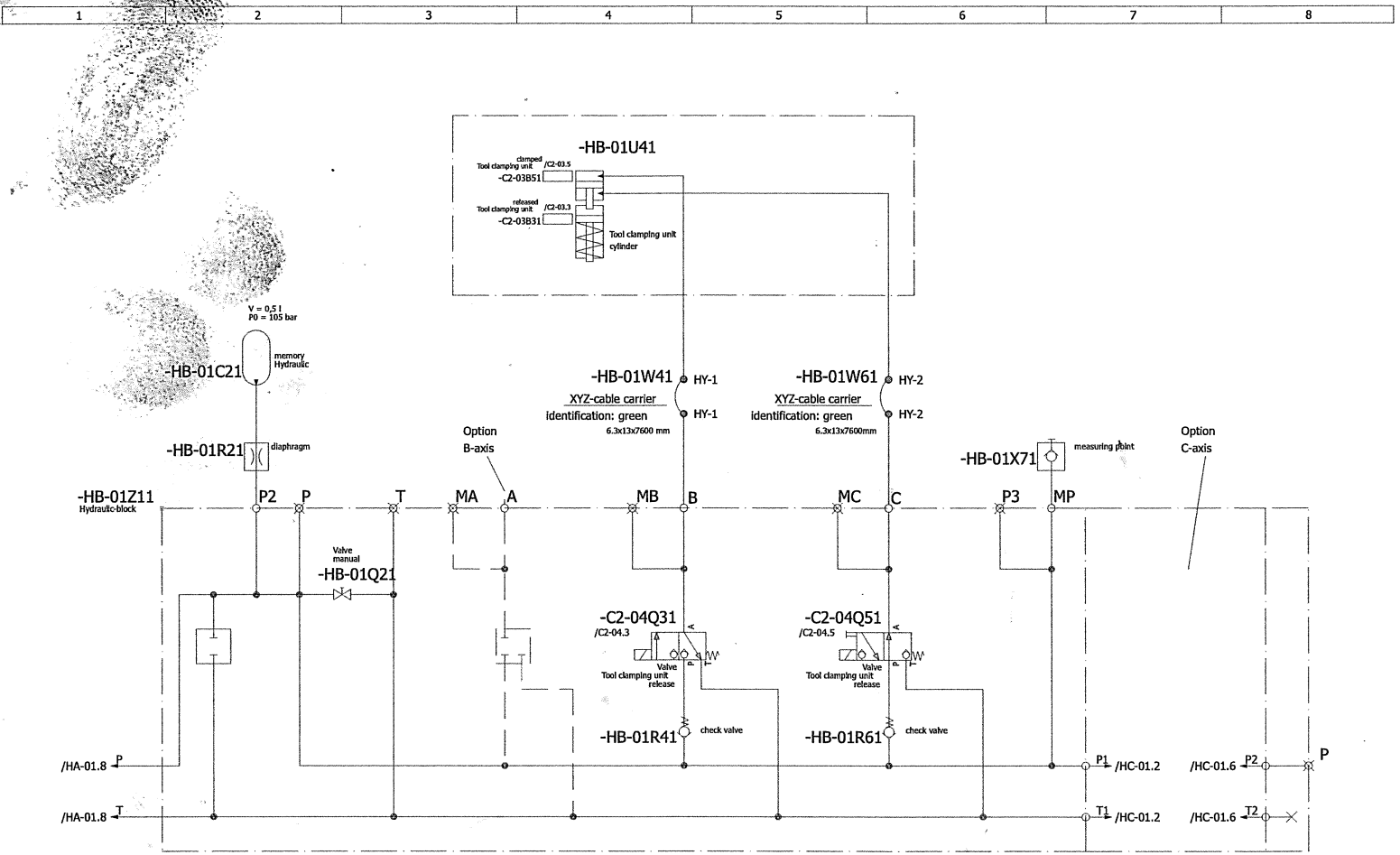
Motor:	power [KW]	P _{enn}	0.75	0.9
	Connection [V]	U	3~400	3~400
	frequency selection [Hz] f		50	60
	RPM [1/min]	n, nenn	1400	1660
Pump:	transport current [l/min]	Q _{nenn}	2.4	2.9
	pressure [bar]	P _{max.}	235	235
Container:	filling volume [l]	V	1.9	
	Min.-capacity [l]	V _{min.}	1.5	
Control:	Connection-sections indicated	P2	G3/8"	
		A;MA;B;	G1/4"	
		MB;C;MC	G1/4"	
		P1;P;T;	G1/4"	
		MP;P3	G1/4"	
Valve-Voltage [VDC]	U	24		
miscellaneous	Operating mode:			
	short-operation interval operation	S2 S3		
Installation site Aggregate: vertikal; oil tank to Bottom				



sheet HA-01/001

Illustration 6-5

Hydraulic Tool clamping unit Spindle

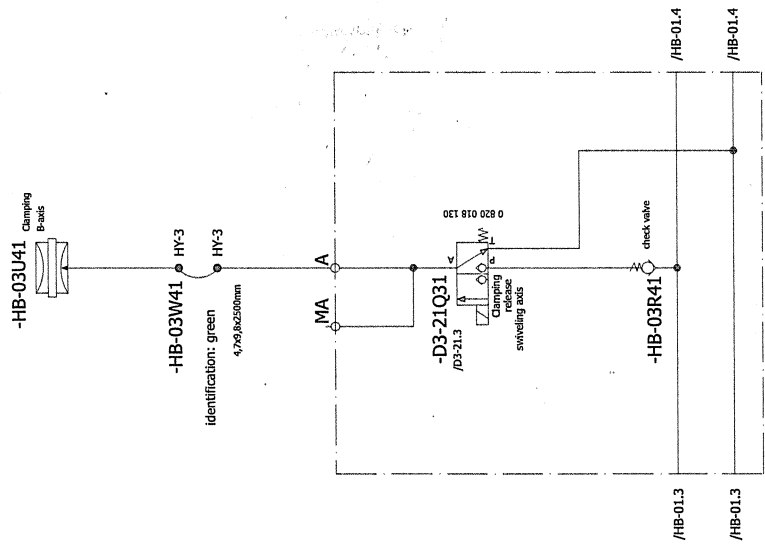


sheet HB-01/001

Illustration 6-6

Hydraulic Option Clamping B-axis

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---



sheet HB-03/001

Illustration 6-7

Hydraulic Option Clamping C-axis

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

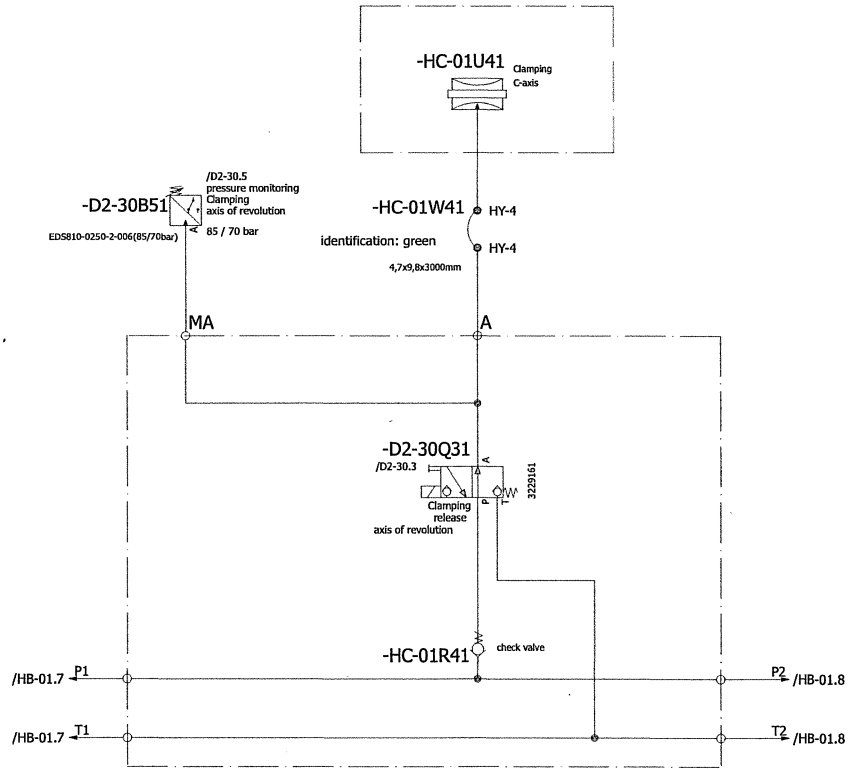


Illustration 6-8

7

7

Wiring diagrams and equipment

lists - Pneumatics 7-3

7.1 Pneumatics 2644481 7-3

7.2 Pneumatics 18 000 rpm 2646417 7-21

7 Wiring diagrams and equipment lists - Pneumatics

7.1 Pneumatics 2644481

Overview

pneumatic drawing

Deckel Maho Seebach GmbH

Neue Straße 61

D-99846 Seebach

Telephone (036929) 812-0

Telefax (036929) 812-405

<i>Elaborated by:</i>	DECKEL MAHO Seebach GmbH
<i>Machine:</i>	DMU 50 / 70
<i>series:</i>	4526
<i>project number:</i>	MONTAGE

equipment

PA-01	service unit
PB-05	barrier air Motor spindle
PG-02	Option barrier air measuring system
PB-06	Cleaning air taper cleaning
PB-04	Cleaning air Tool cooling system (outside)
PB-08	Option Cleaning air Spindle-Centre
PX-05	Option Cleaning air measuring sensor TT140
PC-05	Option Clamping NC dividing apparatus
PE-07	Door handling system
PG-01	WZW Door Tool changer
PH-06	WZW exchange - Stroke on / down
PX-03	Option laser scan BLUM / diagonal

Figure 7-1

block diagram

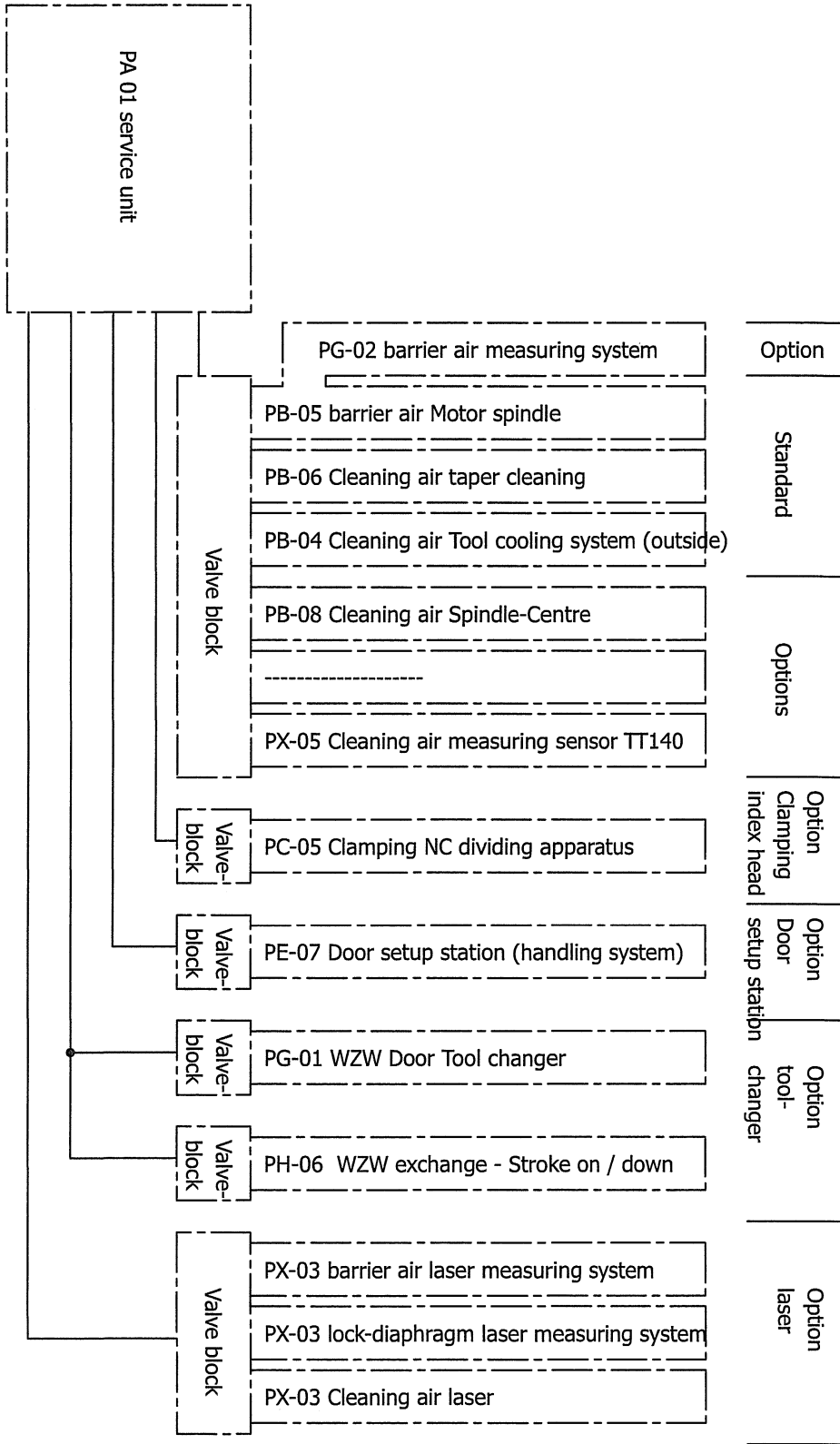


Figure 7-2

Pneumatics - block diagram

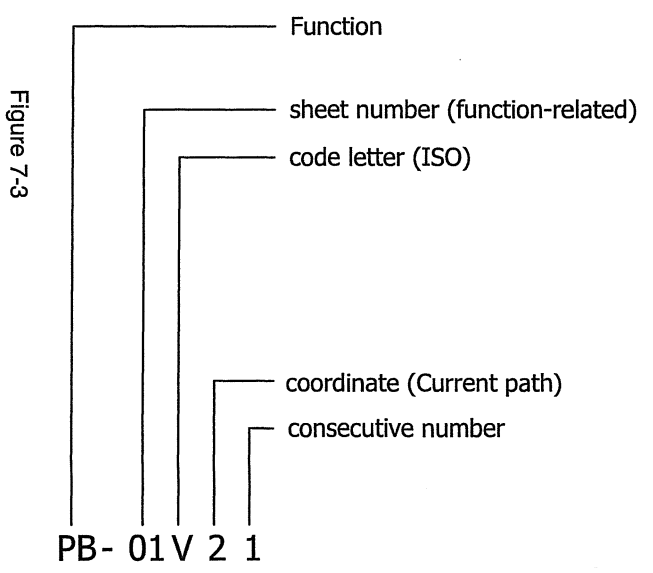
sheet DF-01/001

Overview OMM

identification of components: Equipment-specific ID (OMM)

Component part	identification	Example
with electric connection	electric OMM	G1-01Q21
without electric connection	mechanical OMM	PD-01V21

Beispiel:



Function

- HY → Hydraulic (hydraulic)
- PN → pneumatic system (pneumatic)
- LU → Lubrication (lubrication)
- CU → cooling lubricant (coolant unit)
- CA → Cooling (cooling aggregat)

code letter (ISO)

- M → drives and cylinder
Motors and pumps
- U → drives and cylinder -----
- B → signal-sensing element
- C → memory
- P → display
- X → Coupling
- V → Filter
- F → blow-off valve
- Q → pressure-Valves
- R → check valve
- W → hose lines and rotary passage

PB-01V21 Equipment-specific ID
 PB-01 page no.
 PB-01/001 page no. / variant

Pneumatics - functional group overview

Overview function groups

The flow charts are reasoned in a module system.
Every function (module) has to be drawn on a separate sheet.
The pneumatic function groups:

FG	Funktion	Designation General
1	Supply	PA-01 service unit
2	Spindle	PB-01 Motor spindle + barrier air
		PB-01 pick-up spindle + Lubrication
		PB-01 Motor spindle 1 oil-air lubrication
		PN-02 pick-up spindle-changer
		PB-02 Cleaning air pick-up spindle
		PB-03 gear-Head
		PB-03 Lubrication gear
		PB-03 Lubrication gear + pick-up spindle
		PB-04 Cleaning air Tool cooling system outside
		PB-05 barrier air Spindle
		PB-06 Cleaning air taper cleaning
		PB-07 oil-air lubrication Spindle
3	Table	PC-01 barrier air Table and B-axis
		PC-02 barrier air measuring sensor BLUM
		PC-03 index head barrier air
		PC-04 Components diagram-Table barrier air
		PC-05 Clamping NC dividing apparatus
		PD-01 Cleaning air media connection
4	Pallet-changer	PD-02 palette monitoring
		PD-03 Cleaning air Coupling
		PD-04 Pallet changer
		PD-05 EROWA control device
5	setup station Linear- and round storage	PE-01 Locking setup station
		PE-02 indexing shelf
		PE-03 Pallet changer setup station
		PE-04 Pallet changer setup station + Pallet-Hydraulic
		PE-05 Cleaning air setup station
		PE-06 RS4 cone blow off
		PE-07 Door setup station
		PE-08 zero-point clamping sys. clamping device
		PE-09 pallet station transport system

Figure 7-4

FG	Funktion	Designation
6	Tension Hydraulic	PF-01 zero-point clamping sys. clamping device
		PF-02 Clamping hydraulics Fixture blow off (without RS 3)
		PF-02 Clamping hydraulics Fixture blow off (with RS 3)
7	Machine	PG-01 Door Tool changer
		PG-01 Door-automation system
		PG-02 barrier air measuring system
		PG-03 Clamping X+Y axis
8	Tool changer	PG-04 Clamping Z axis
		PH-01 transport unit tool cone
		PH-01 Tool changer
		PH-01 tool-Magazine 1
		PH-01 tool-Magazine 2
		PH-02 linear unit tool shelf
		PH-02 transport unit tool initialization
		PH-03 tool-retention
		PH-04 tool-unlocking device
		PH-05 Tool changer Gripper turn
		PH-06 Tool changer turning stroke on/down
		PH-07 tool breakage Cleaning air
		PH-08 taper cleaning Cleaning air
		PH-09 Cleaning air tool breakage and taper cleaning
		PH-10 taper cleaning at tool shelf
9	miscellaneous	PH-11 Locking Magazine-Position
		PH-12 taper cleaning tool shelf
		PH-13 taper cleaning wheel magazine
		PA-01 service unit
		PX-01 Valve block
		PX-02 minimum-quantity lubrication
		PX-03 BLUM laser scan
		PX-04 filling valve Tool changer
		PX-05 TT 130 or Blum laser scan
		PX-06 push-rod-conveyer
		PX-07 Brake X-Y-Z axis
PX-08 KSA with IKZ		
10	Tuning	PX-09 NC-RT-pallet carrier
		PX-10 partition wall; switching mist and smoke separator
		PX-11 weight balance
		PT-01 closed
		PZ-99

Pneumatics - air servicing unit

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

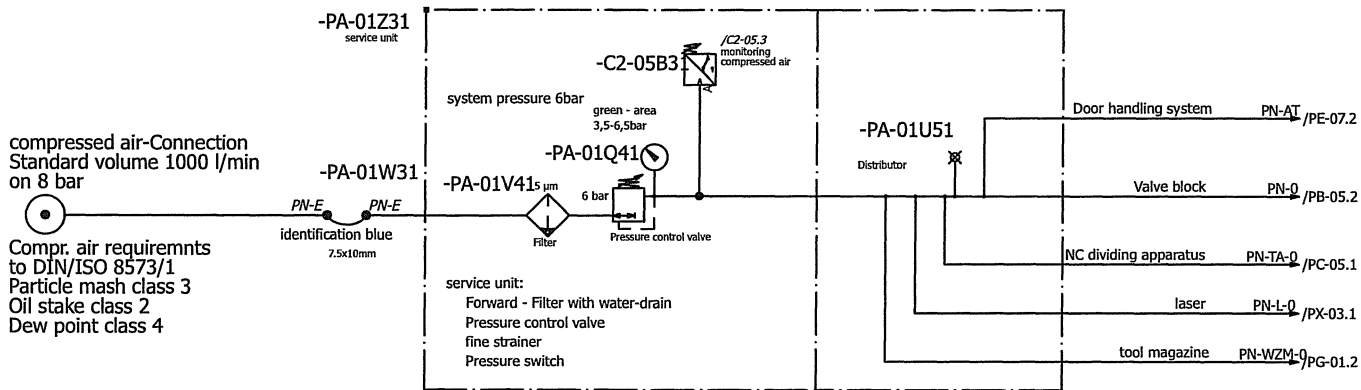


Figure 7-5

Pneumatics - blast air tool cooling

sheet PB-04/001

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

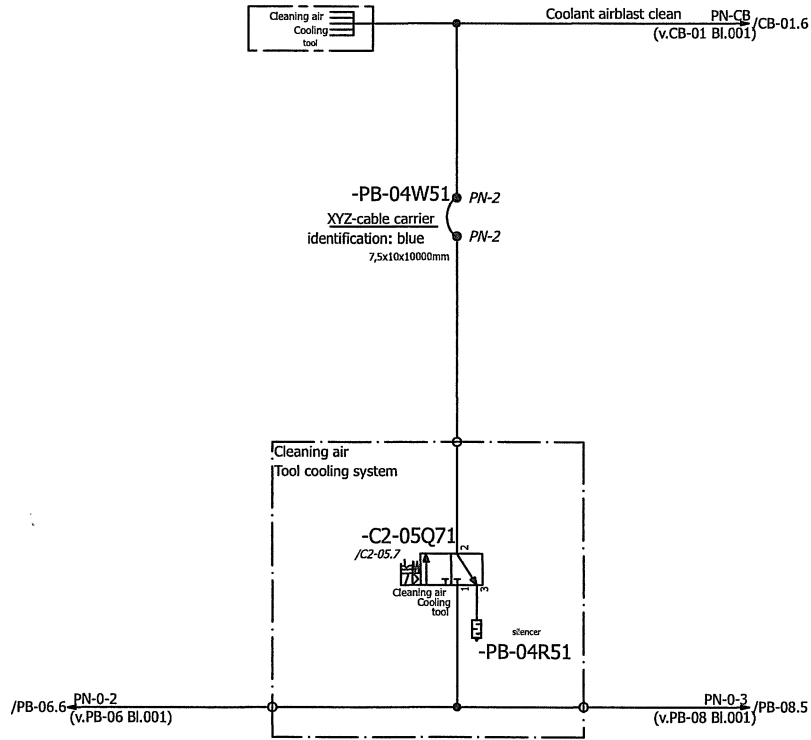


Figure 7-6

Pneumatics - barrier air for motor spindle

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

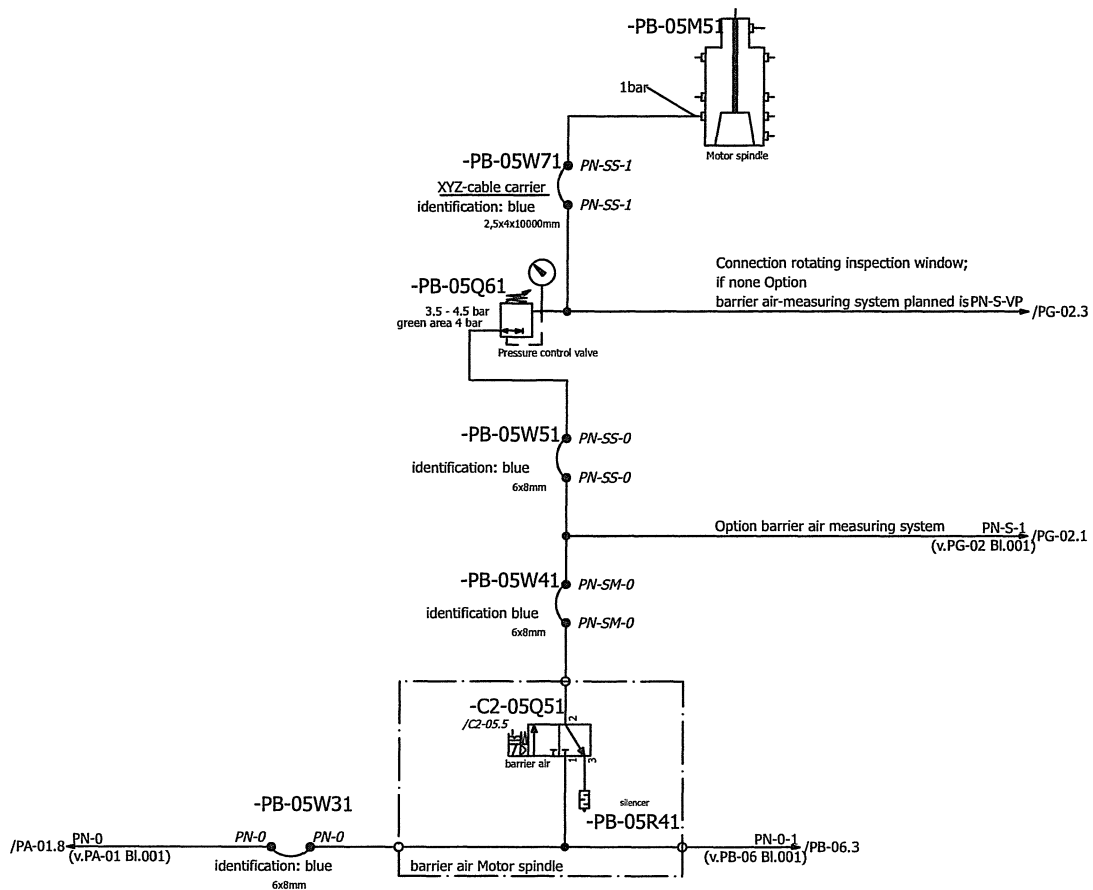
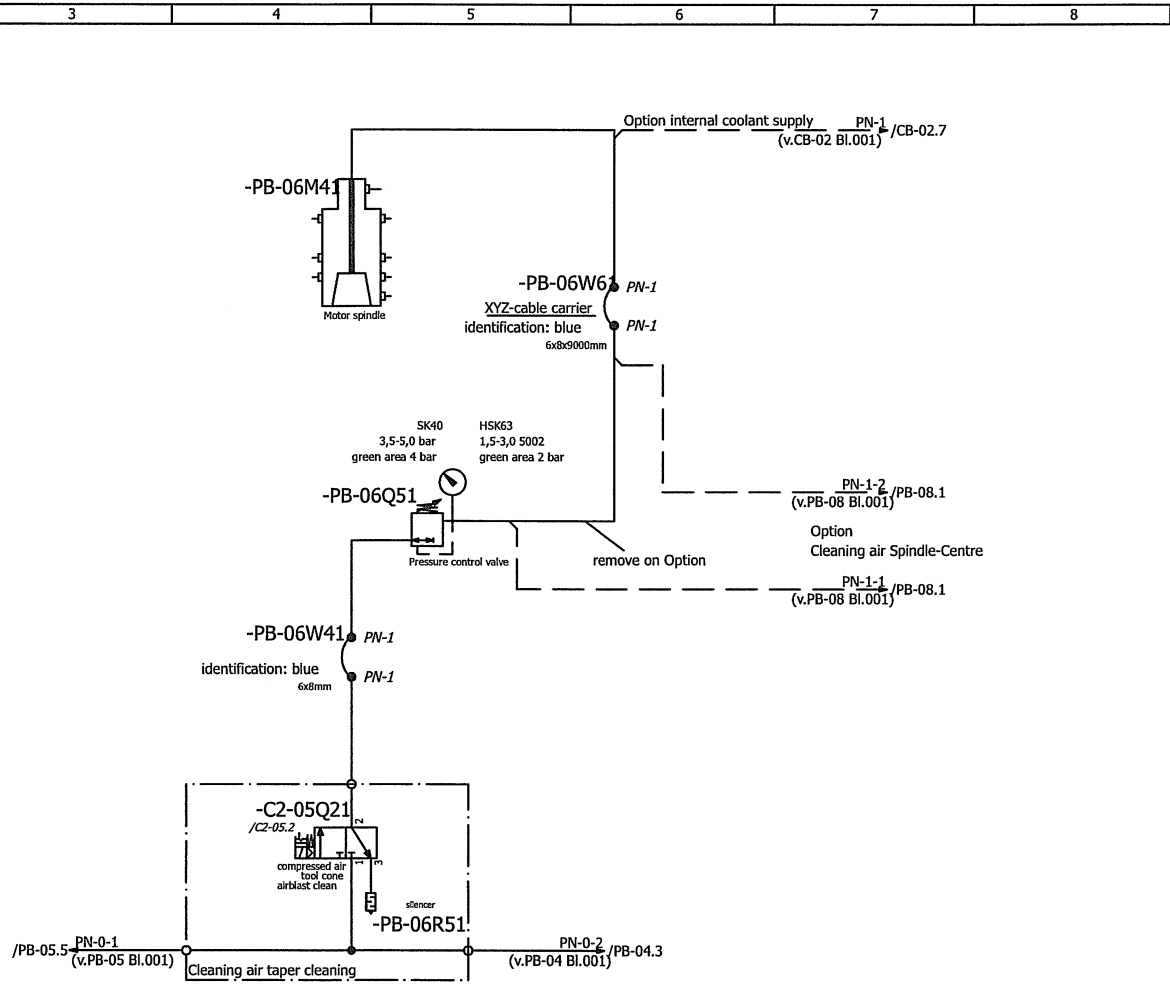


Figure 7-7

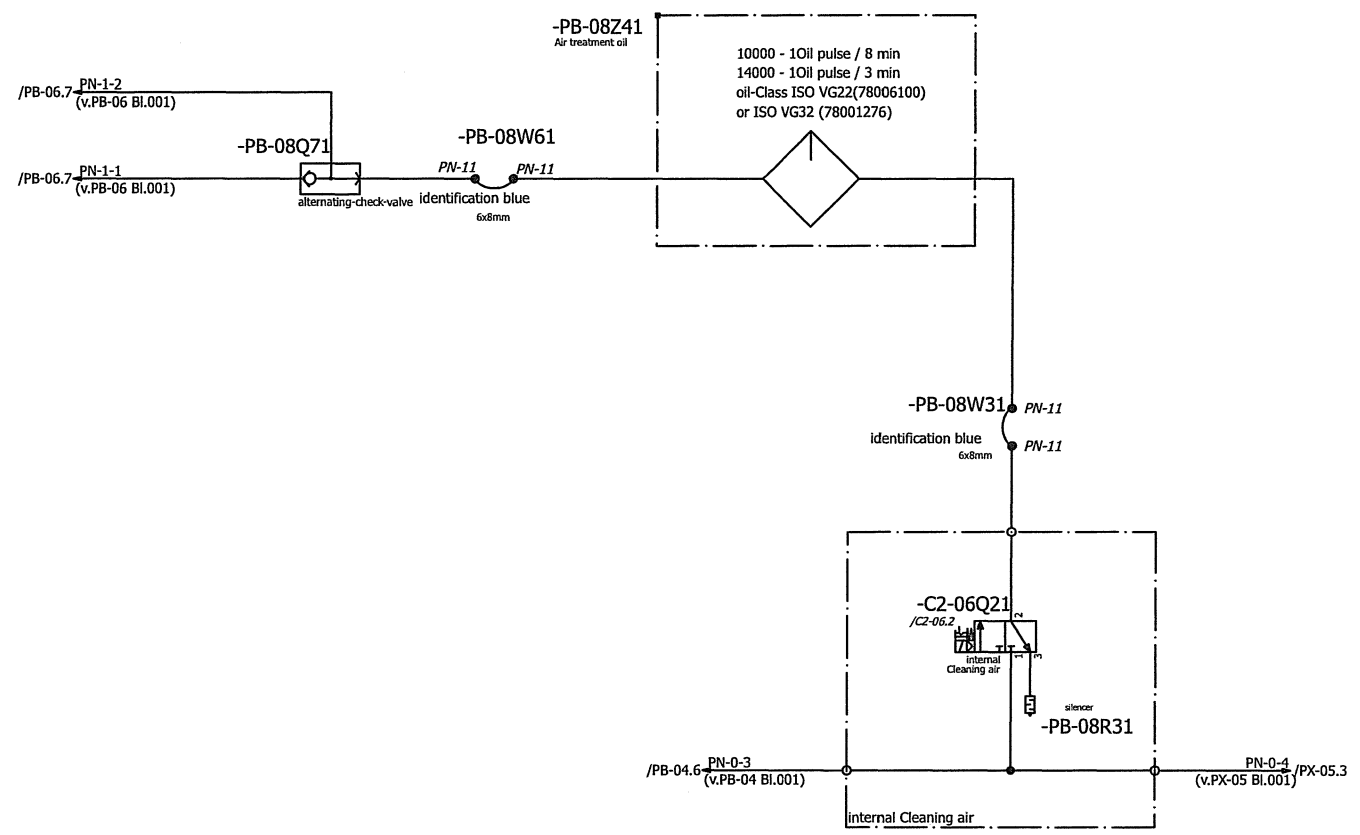
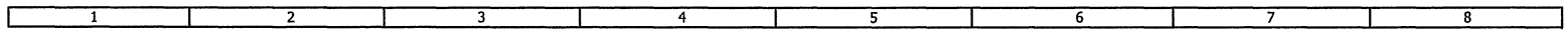
Pneumatics - blast air for motor spindle (cone cleaning)



sheet PB-06/001

Figure 7-8

Pneumatics - blast air option for spindle (centre)



sheet PB-08/001

Figure 7-9

NC parting unit clamping option

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

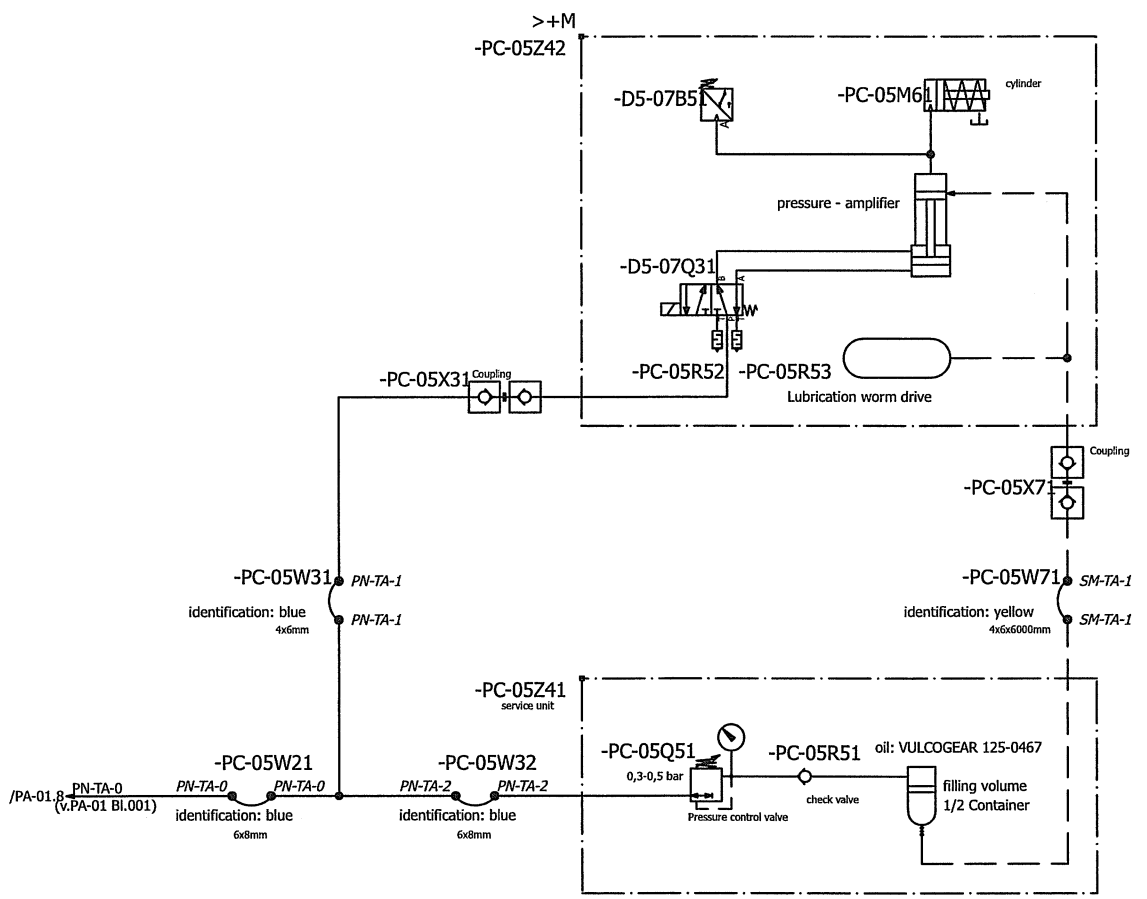
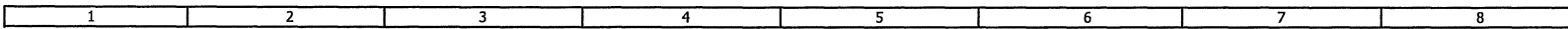


Figure 7-10

Pneumatics - Door on make-ready position, option



Door handling system

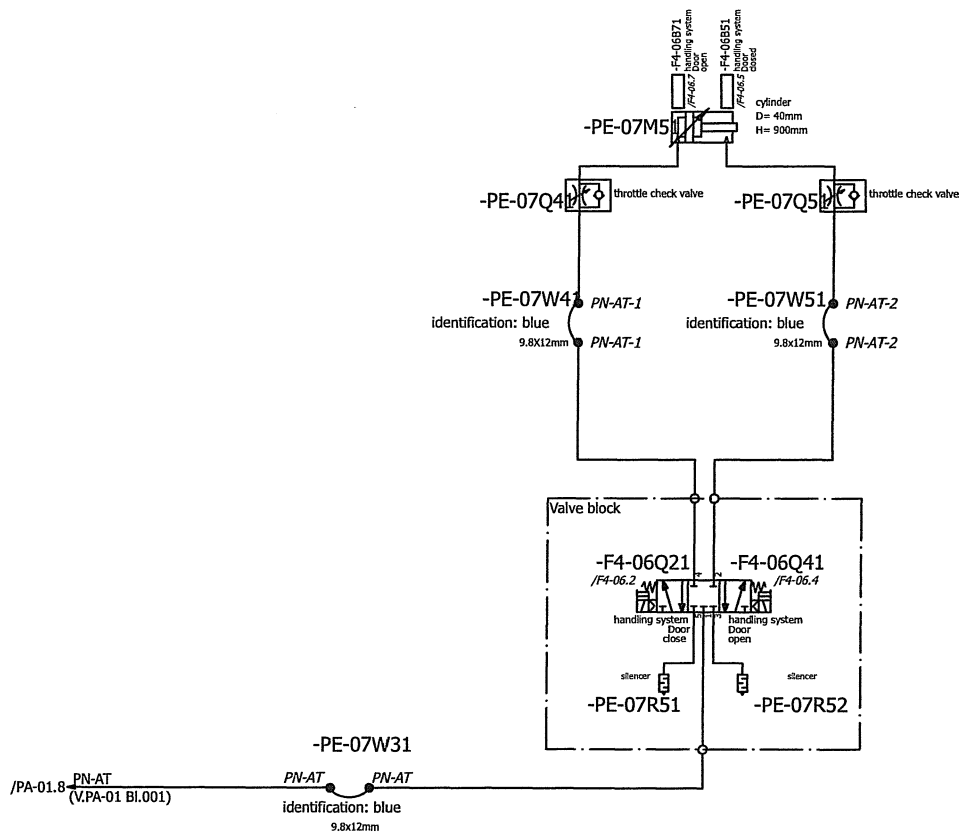


Figure 7-11

Tool magazine option - tool changer door

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Option - WZM GIFU
Door Tool changer

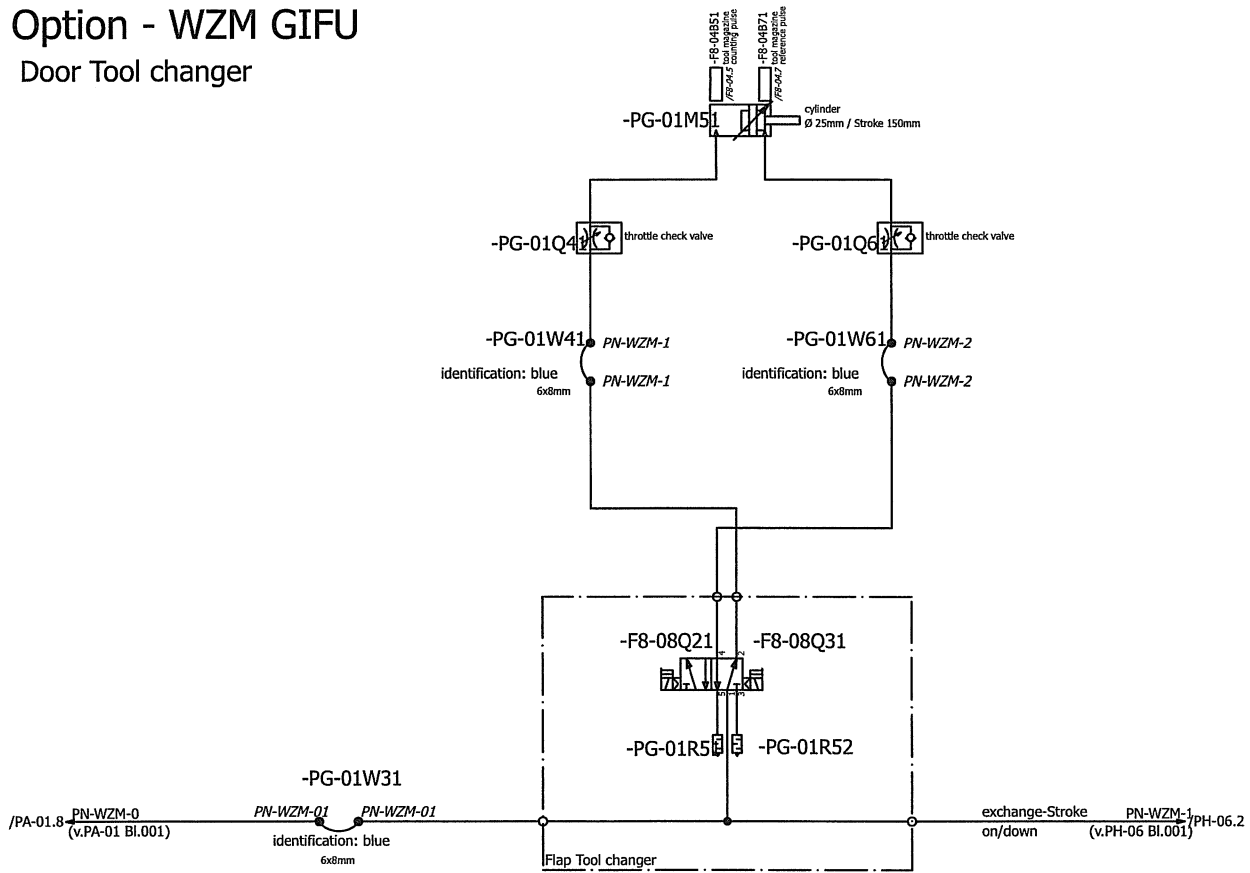


Figure 7-12

sheet PG-01/001

Tool magazine option - change hub up / down

sheet PH-06/001

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Option - WZM GIFU
exchange-Stroke on / down

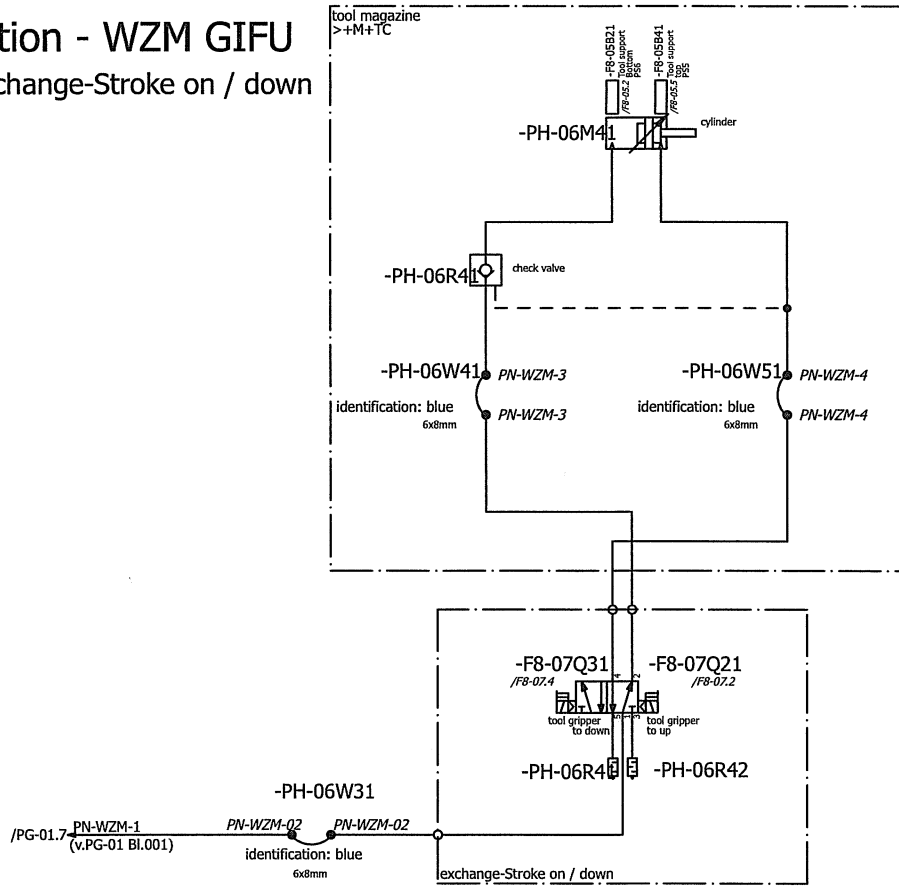


Figure 7-14

Laser measuring system option

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

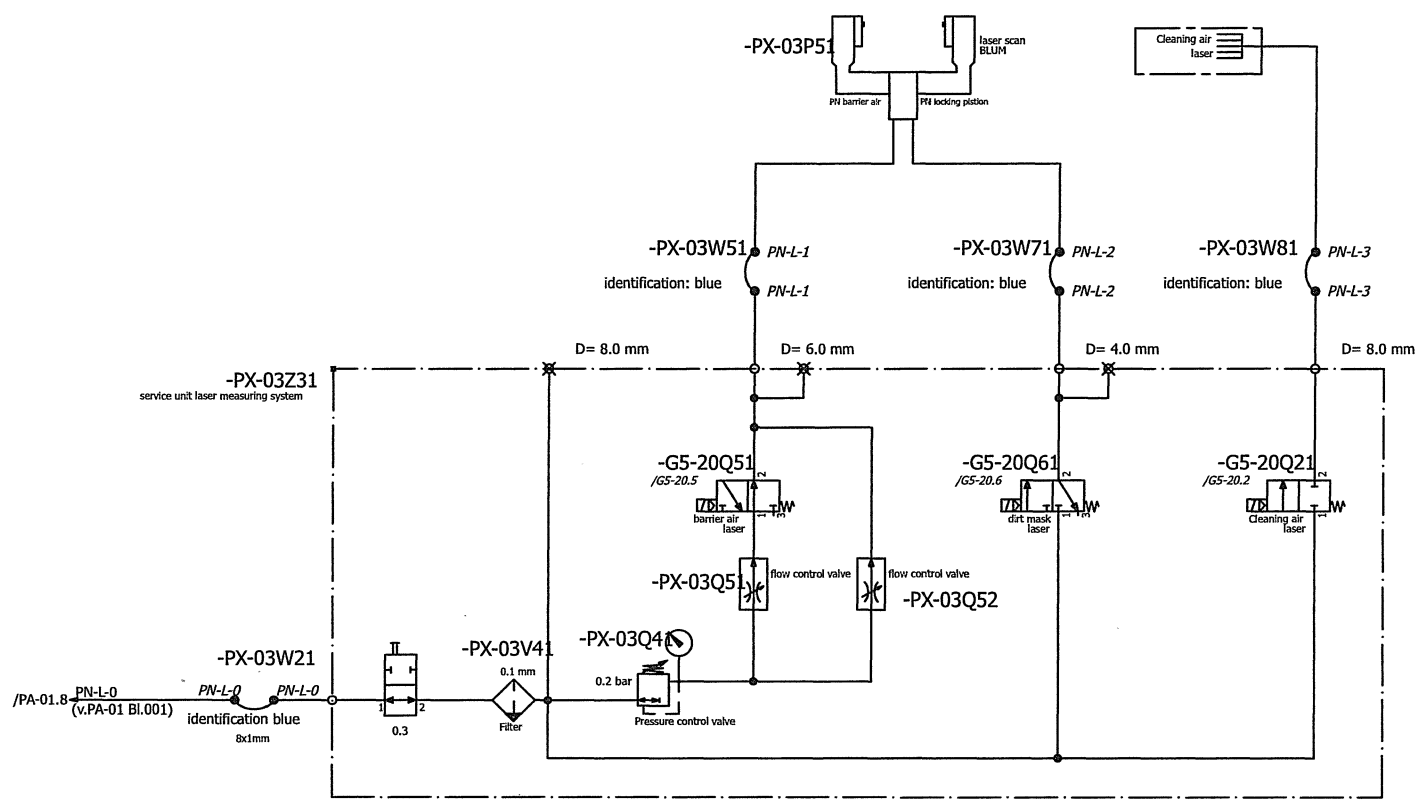


Figure 7-15

sheet PX-03/001

Pneumatics - equipment list

No.	BMK	Place	sheet	Designation	Identification	ident.no.	Type
1	-B1-02A21	+M+FB	/B1-02.2	lubrication pump	ZP-AGGREGAT für Öl	2353571	MKU1-KW2-20017+428
2	-C2-05B31	+M+FB	/C2-05.3	Pressure switch	DRUCKSCHALTER G1/4, 0,5-16bar	6011878	0 821 100 023
3	-C2-05Q21	+M+FB	/C2-05.2	Valve	3/2 Magnetventil TYP 579 8x1, 24V DC (NC)	6003868	
4	-C2-05Q51	+M+FB	/C2-05.5	Valve	3/2 MAGNETVENTIL TYP 579 8x1, 24V DC (NC)	6001781	579 260 022 0
5	-C2-05Q71	+M+FB	/C2-05.7	Valve	3/2 MAGNETVENTIL NW4, 24V DC (NC)	6001697	579 160 022 0
6	-C2-06B51	+M+FB	/C2-06.5	Pressure switch	DRUCKSCHALTER G1/4, 0,5-16bar	6011878	0 821 100 023
7	-C2-06Q21	+M+FB	/C2-06.2	Valve	3/2 MAGNETVENTIL NW4, 24V DC (NC)	6001697	579 160 022 0
8	-C2-06Q31	+M+FB	/C2-06.3	Valve	3/2 Magnetventil TYP 579 8x1, 24V DC (NC)	6003868	
9	-F4-06B51	+M	/F4-06.5	Proximity switch	Näherungsschalter 25X50X10	2432194	BES 516 133 M0-C-S-4-00,2
10	-F4-06B71	+M	/F4-06.7	Proximity switch	Näherungsschalter 25X50X10	2432194	BES 516 133 M0-C-S-4-00,2
11	-F4-06Q21	+M	/F4-06.2	Directional valve	SY9320-5YO-03F-Q	2564013	SY9320-5YO-03F-Q
12	-F8-07Q21	+M+WZM	/F8-07.2	Directional valve	5/2*WEGEVENTIL*BISTABIL	2377216	SY220-5YO-083F-Q-CEL-00100
13	-F8-10B41	+M+WZM	/F8-10.4	Cylinder switch	ERS.D.2422745	2291866	0 830 100 488
14	-F8-10B51	+M+WZM	/F8-10.5	Cylinder switch	ERS.D.2422745	2291866	0 830 100 488
15	-F8-16Q21	+M+WZM	/F8-16.2	Valve	5/2 MAGNETVENTIL NW4, 24V DC	6001699	579 190 022 0
16	-G0-04B41	+M+WZM	/G0-04.4	Cylinder switch	ERS.D.2422745	2291866	0 830 100 488
17	-G0-04B51	+M+WZM	/G0-04.5	Cylinder switch	ERS.D.2422745	2291866	0 830 100 488
18	-G0-06Q21	+M+WZM	/G0-06.2	Valve	5/2 MAGNETVENTIL NW4, 24V DC	6001699	579 190 022 0
19	-G0-06Q41	+M+WZM	/G0-06.4	Valve	3/2 MAGNETVENTIL TYP 579 8x1, 24V DC (NC)	6001781	579 260 022 0
20	-G7-03Q61	+M+FB	/G7-03.5	Valve	3/2 MAGNETVENTIL NW4, 24V DC (NC)	6001697	579 160 022 0
21	-PA-01U51	+M+FB	/PA-01.5	Distributor	Steckverbinder, reduzierend, 3-fach	2304193	R412005350
22	-PA-01Z31	+M+FB	/PA-01.3	service unit	Wartungseinheit	2486284	R415007324
23	-PB-04R51	+M+FB	/PB-04.5	silencer	Geraeuschaempfer	6001702	579 000 531 2
24	-PB-05Q61	+M+FB	/PB-05.4	Pressure control valve	Druckregelventil	2486293	R415007323
25	-PB-05R41	+M+FB	/PB-05.4	silencer	Geraeuschaempfer	6001702	579 000 531 2
26	-PB-06Q51	+M+FB	/PB-06.5	Pressure control valve	Druckregelventil	2486293	R415007323
27	-PB-06R51	+M+FB	/PB-06.5	silencer	Geraeuschaempfer	6001702	579 000 531 2
28	-PB-08Q71	+M+FB	/PB-08.3	Pneumatic valve	Wechselventil (oder)	2710336	0 821 000 003
29	-PB-08R31	+M+FB	/PB-08.6	silencer	Geraeuschaempfer	6001702	579 000 531 2
30	-PB-08Z41	+M+FB	/PB-08.4	oil mist lubrication	Nebeloeleer NL4 G3/8	2703330	0 821 301 513
31	-PC-05X71	+M+FB	/PC-05.7	Coupling	KD-1/8	2297222	2142
32	-PC-05Z41	+M+FB	/PC-05.4	service unit	Überdruckeinheit	2713701	125-0720
33	-PE-07M51	+M	/PE-07.5	pneumatic cylinder	PNEUMATIKZYLINDER 1/4*40*900*RTC-BV	2532976	R480141477
34	-PE-07Q41	+M	/PE-07.4	throttle check valve	DROSSELRUECKSCHLAGVENTIL NW4, G1/4	2288561	534 112 210 0
35	-PE-07Q51	+M	/PE-07.5	throttle check valve	DROSSELRUECKSCHLAGVENTIL NW4, G1/4	2288561	534 112 210 0
36	-PE-07R51	+M	/PE-07.5	silencer	SCHALLDAEMPFER G1/4	27058492	1 827 000 001
37	-PE-07R52	+M	/PE-07.5	silencer	SCHALLDAEMPFER G1/4	27058492	1 827 000 001
38	-PG-01M51	+M+WZM	/PG-01.5	pneumatic cylinder	PNEUMATIKZYLINDER	2604809	C85N25-150C
39	-PG-01Q41	+M+WZM	/PG-01.4	throttle check valve	DROSSELRUECKSCHLAGVENTIL, WINKELTYP	2535021	AS2201F-01-06S
40	-PG-01Q61	+M+WZM	/PG-01.6	throttle check valve	DROSSELRUECKSCHLAGVENTIL, WINKELTYP	2535021	AS2201F-01-06S
41	-PG-01R51	+M+WZM	/PG-01.5	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
42	-PG-01R52	+M+WZM	/PG-01.5	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
43	-PG-02Z31	+M+FB	/PG-02.3	service unit	Wartungseinheit	2486312	R415007325
44	-PH-06R41	+M+WZM	/PH-06.4	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
45	-PH-06R42	+M+WZM	/PH-06.4	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
46	-PX-03P51	+M+FB	/PX-03.5	Measuring device	P87.0634-014-NT-A4	2707112	P87.0634-014-NT-A4
47	-PX-03Z31	+M+FB	/PX-03.3	service unit	Pneumatikeinheit	2564942	P87.0634-054-A235
48	-PX-05R51	+M+FB	/PX-05.5	silencer	Geraeuschaempfer	6001702	579 000 531 2

Figure 7-17

pneumatic drawing

Deckel Maho Seebach GmbH

Neue Straße 61

D-99846 Seebach

Telephone (036929) 812-0

Telefax (036929) 812-405

<i>Elaborated by:</i>	DECKEL MAHO Seebach GmbH
<i>Machine:</i>	DMU 50
<i>series:</i>	4526
<i>project number:</i>	MONTAGE

equipment

PA-01	service unit
PA-02	lubrication unit oil-air lubrication
PB-05	barrier air Motor spindle
PB-07	oil-air lubrication Spindle
PB-06	Cleaning air taper cleaning
PB-04	Cleaning air Motor spindle outside
PB-08	Option Cleaning air Spindle-Centre
PX-05	Option Cleaning air measuring sensor TT140
PG-02	Option barrier air measuring system
PC-05	Option Clamping NC dividing apparatus
PE-07	Option Door handling system
PG-01	Option WZM Door Tool changer
PH-06	Option WZM exchange-Stroke on / down
PX-03	Option laser scan BLUM / diagonal

Figure 7-19

block diagram

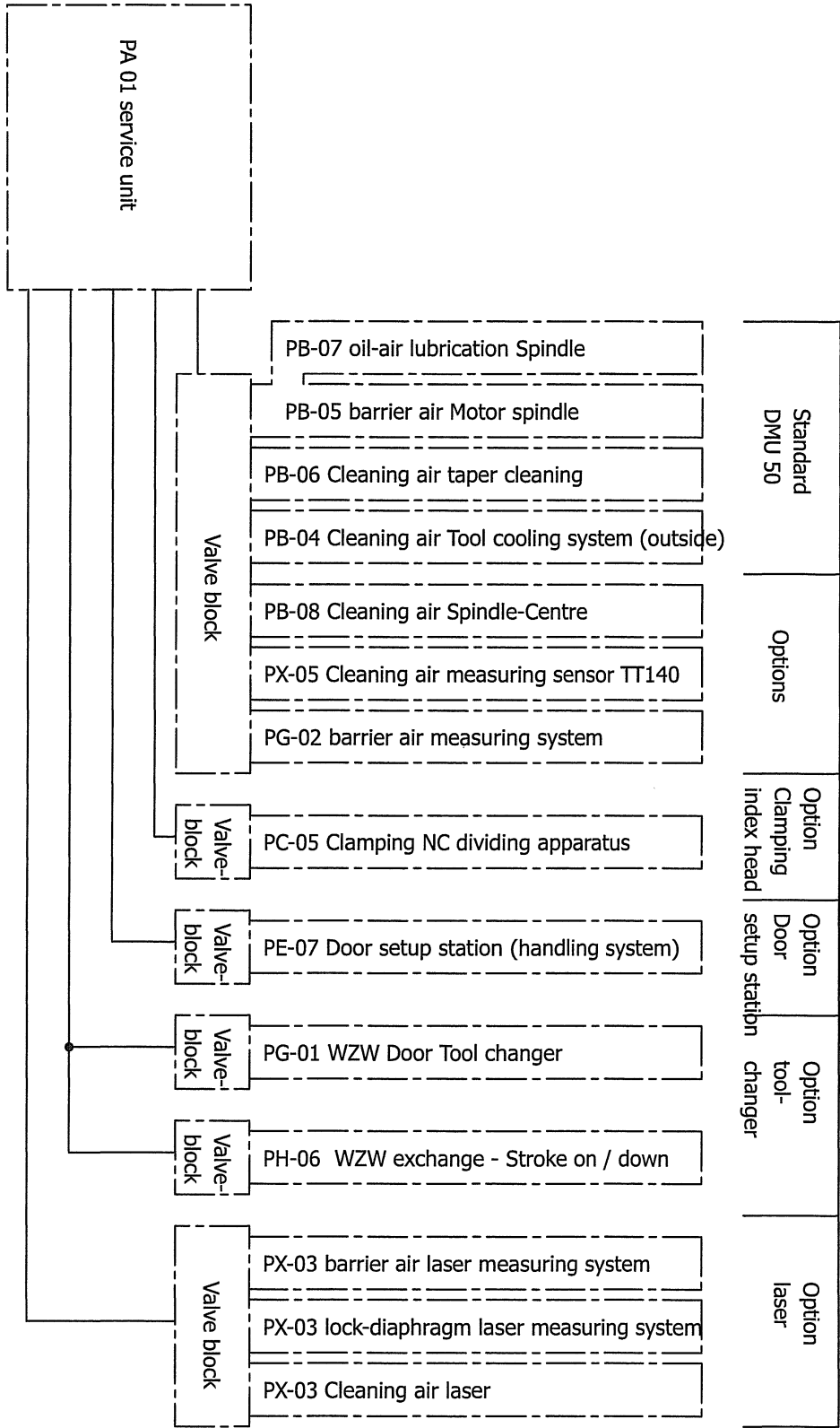


Figure 7-20

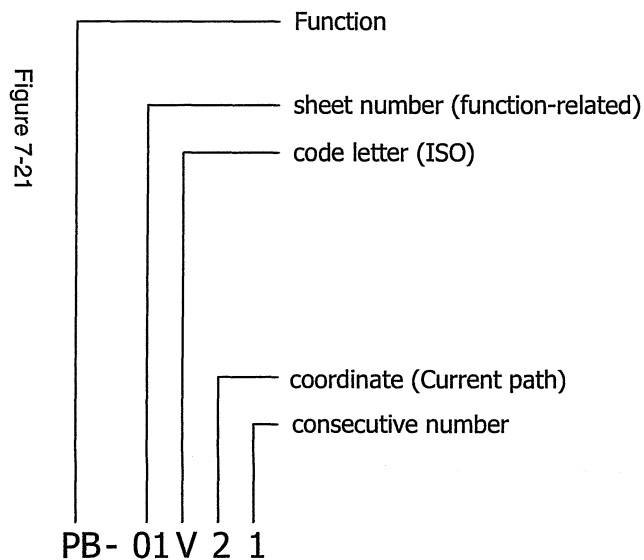
Pneumatics - block diagram

Overview OMM

identification of components: Equipment-specific ID (OMM)

Component part	identification	Example
with electric connection	electric OMM	G1-01Q21
without electric connection	mechanical OMM	PD-01V21

Beispiel:



Function

- HY → Hydraulic (hydraulic)
- PN → pneumatic system (pneumatic)
- LU → Lubrication (lubrication)
- CU → cooling lubricant (coolant unit)
- CA → Cooling (cooling aggregat)

code letter (ISO)

- M → drives and cylinder
Motors and pumps
- U → drives and cylinder -----
- B → signal-sensing element
- C → memory
- P → display
- X → Coupling
- V → Filter
- F → blow-off valve
- Q → pressure-Valves
- R → check valve
- W → hose lines and rotary passage

PB-01V21 Equipment-specific ID
 PB-01 page no.
 PB-01/001 page no. / variant

Overview function groups

The flow charts are reasoned in a module system.
Every function (module) has to be drawn on a separate sheet.
The pneumatic function groups:

FG	Funktion	Designation General
1 Supply	PA-01	service unit
2 Spindle	PB-01	Motor spindle + barrier air
	PB-01	pick-up spindle + Lubrication
	PB-01	Motor spindle 1 oil-air lubrication
	PN-02	pick-up spindle-changer
	PB-02	Cleaning air pick-up spindle
	PB-03	gear-Head
	PB-03	Lubrication gear
	PB-03	Lubrication gear + pick-up spindle
	PB-04	Cleaning air Tool cooling system outside
	PB-05	barrier air Spindle
	PB-06	Cleaning air taper cleaning
	PB-07	oil-air lubrication Spindle
	PB-08	Cleaning air Spindle-Centre
3 Table	PB-09	extraction system Spindle
	PB-10	Tool clamping unit Motor spindle
	PB-11	Cleaning air measuring sensor HSK-E50
	PC-01	barrier air Table and B-axis
	PC-02	barrier air measuring sensor BLUM
4 Pallet-changer	PC-03	index head barrier air
	PC-04	Components diagram-Table barrier air
	PC-05	Clamping NC dividing apparatus
	PD-01	Cleaning air media connection
	PD-02	palette monitoring
5 setup station Linear- and round storage	PD-03	Cleaning air Coupling
	PD-04	Pallet changer
	PD-05	EROWA control device
	PE-01	Locking setup station
	PE-02	indexing shelf
	PE-03	Pallet changer setup station
	PE-04	Pallet changer setup station + Pallet-Hydraulic
	PE-05	Cleaning air setup station
	PE-06	RS4 cone blow off
PE-07	Door setup station	
PE-08	zero-point clamping sys. clamping device	
PE-09	pallet station transport system	

Figure 7-22

FG	Funktion	Designation
6 Tension Hydraulic	PF-01	zero-point clamping sys. clamping device
	PF-02	Clamping hydraulics Fixture blow off (without RS 3)
	PF-02	Clamping hydraulics Fixture blow off (with RS 3)
7 Machine	PG-01	Door Tool changer
	PG-01	Door-automation system
	PG-02	barrier air measuring system
	PG-03	Clamping X+Y axis
	PG-04	Clamping Z axis
8 Tool changer	PH-01	transport unit tool cone
	PH-01	Tool changer
	PH-01	tool-Magazine 1
	PH-01	tool-Magazine 2
	PH-02	linear unit tool shelf
	PH-02	transport unit tool initialization
	PH-03	tool-retention
	PH-04	tool-unlocking device
	PH-05	Tool changer Gripper turn
	PH-06	Tool changer turning stroke on/down
	PH-07	tool breakage Cleaning air
	PH-08	taper cleaning Cleaning air
	PH-09	Cleaning air tool breakage and taper cleaning
9 miscellaneous	PH-10	taper cleaning at tool shelf
	PH-11	Locking Magazine-Position
	PH-12	taper cleaning tool shelf
	PH-13	taper cleaning wheel magazine
	PA-01	service unit
	PX-01	Valve block
	PX-02	minimum-quantity lubrication
	PX-03	BLUM laser scan
	PX-04	filling valve Tool changer
PX-05	TT 130 or Blum laser scan	
10 Tuning	PX-06	push-rod-conveyer
	PX-07	Brake X-Y-Z axis
	PX-08	KSA with IKZ
	PX-09	NC-RT-pallet carrier
	PX-10	partition wall; switching mist and smoke separator
	PX-11	weight balance
	PT-01	
	closed	
	PZ-99	

Pneumatics - air servicing unit

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

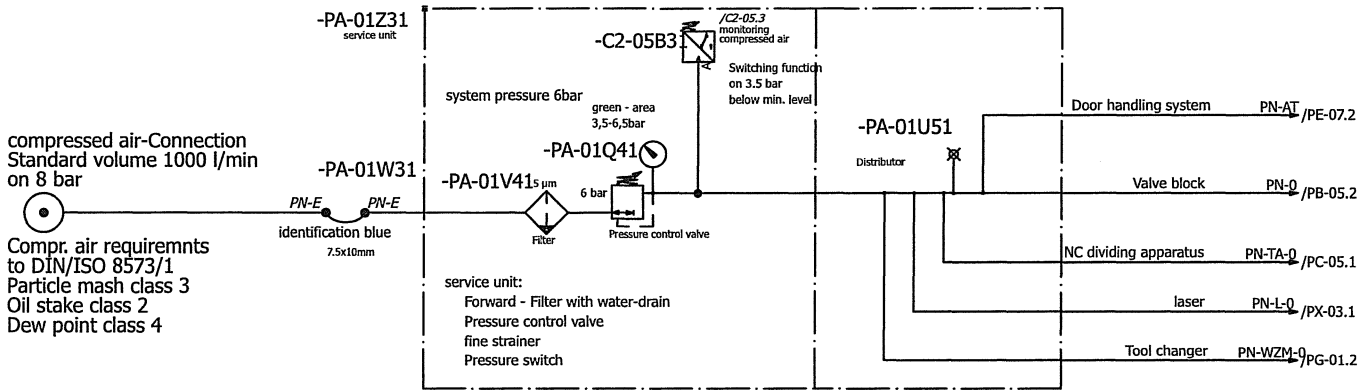


Figure 7-23

sheet PA-01/001

Pneumatics - Lubricating unit - oil-air lubrication

sheet PA-02/001

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

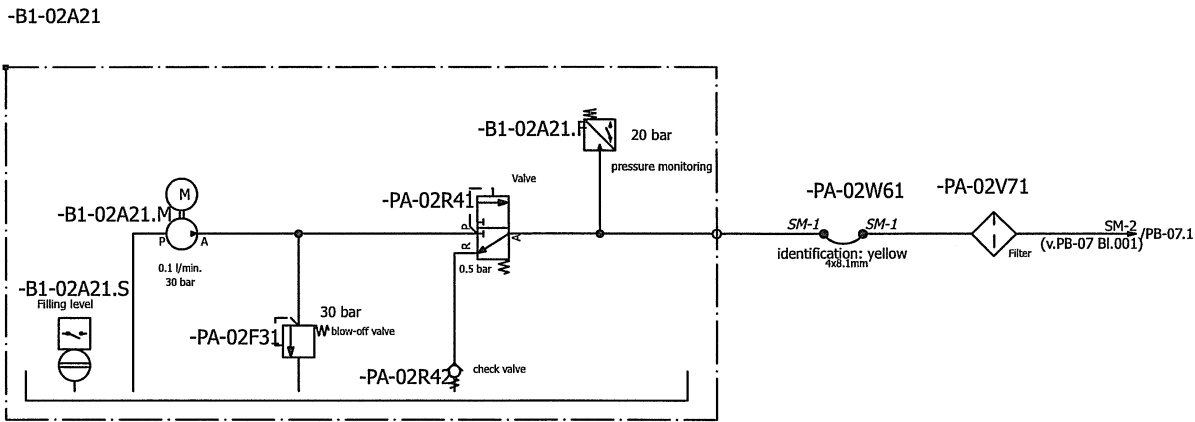


Figure 7-24

Pneumatics - blast air tool cooling

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

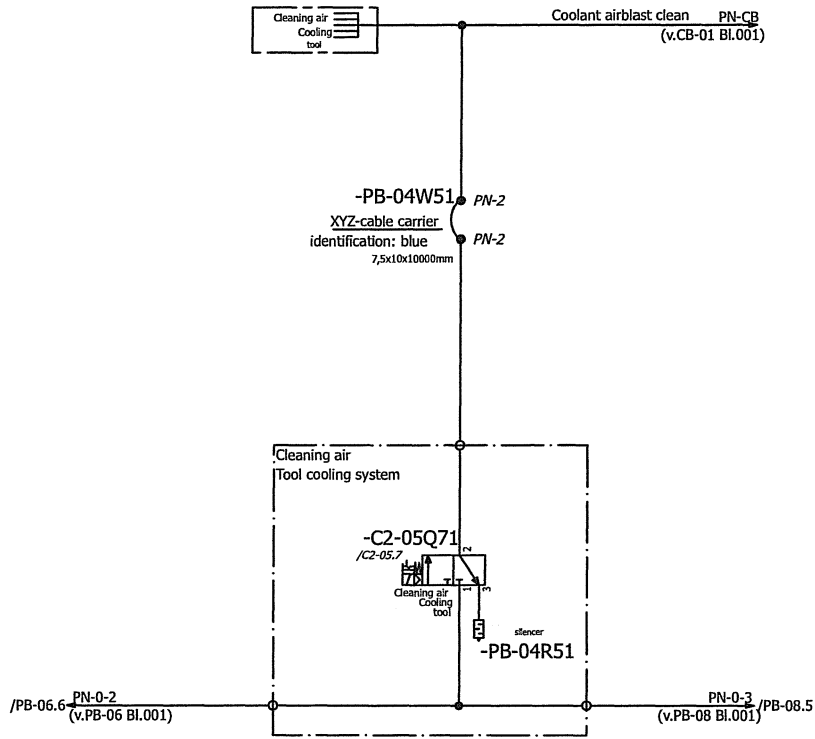
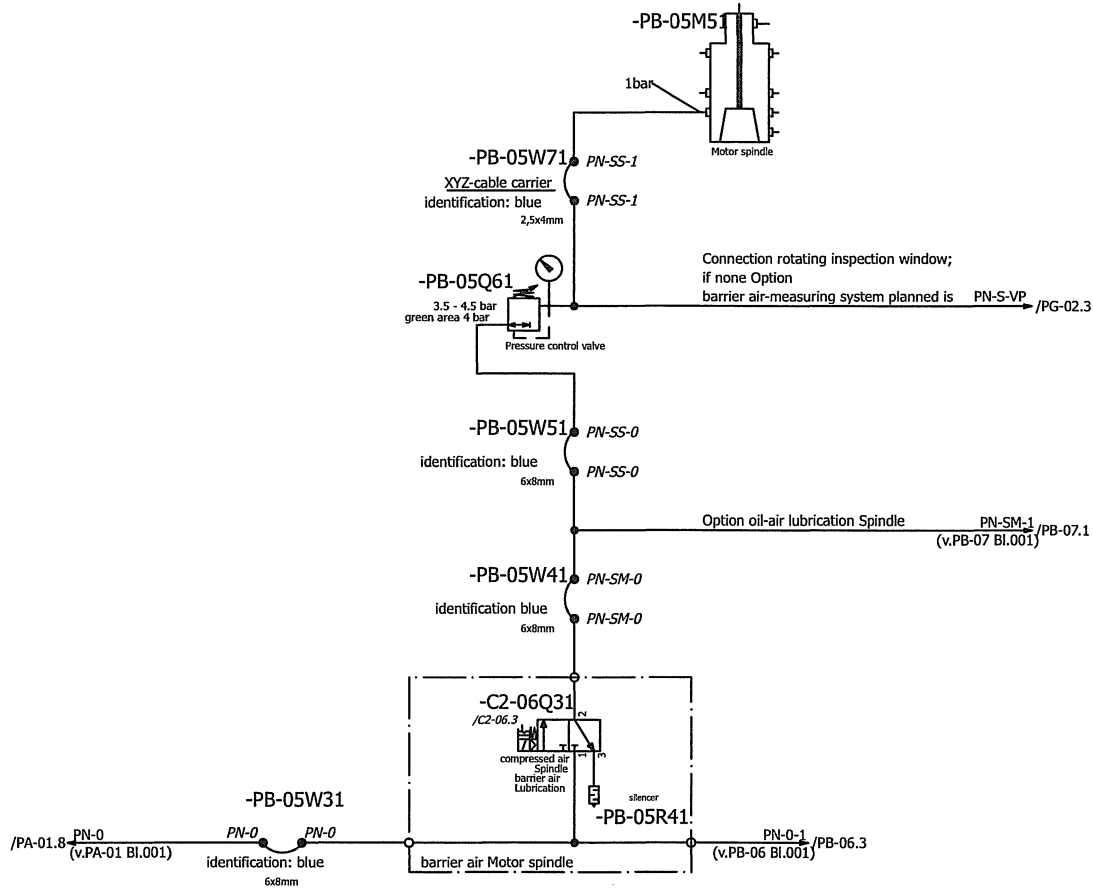


Figure 7-25

sheet PB-04/001

Pneumatics - barrier air for motor spindle

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

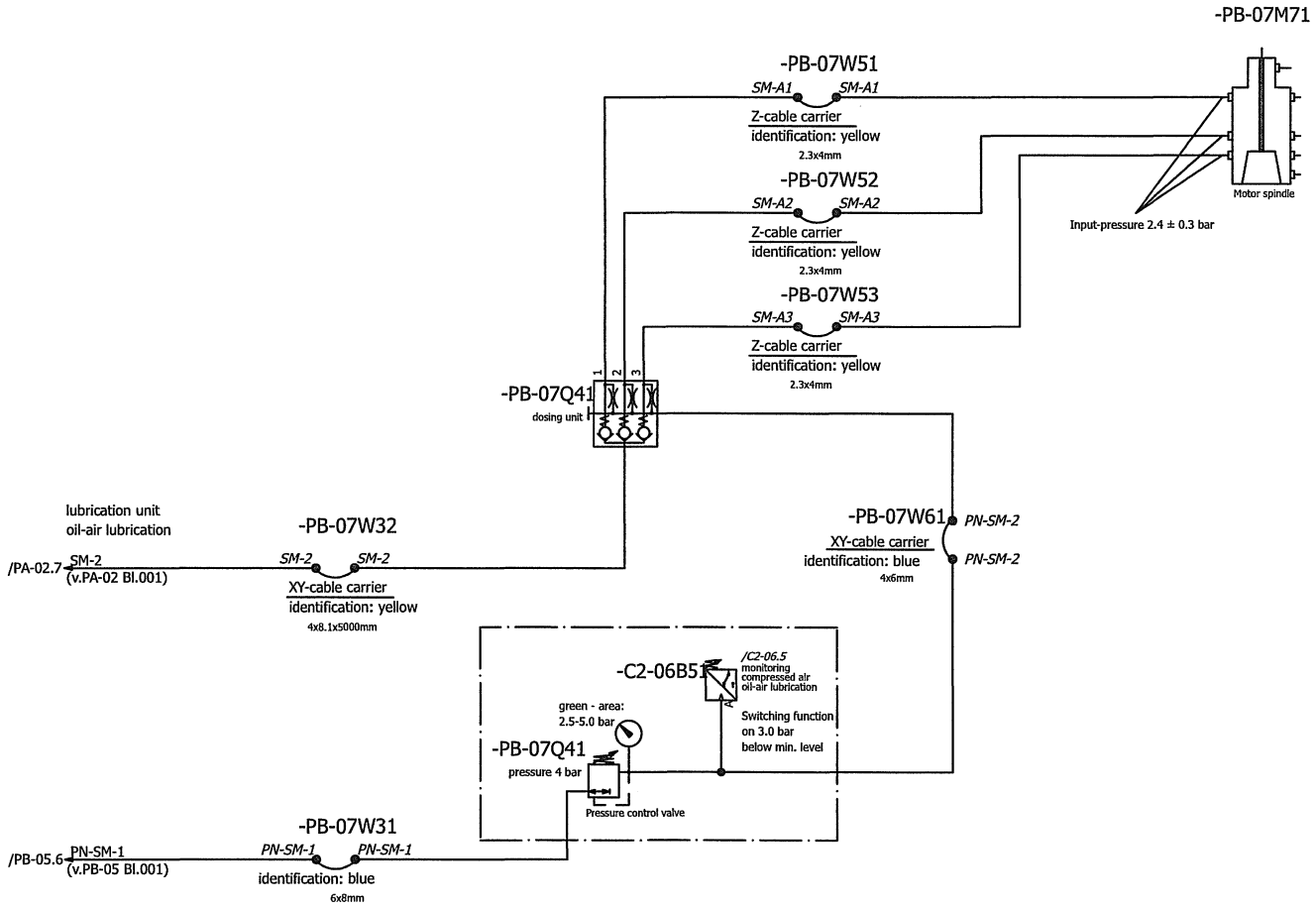


sheet PB-05/001

Figure 7-26

Pneumatics - oil-air lubrication

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---



sheet PB-07/001

Figure 7-28

Pneumatics - blast air option for spindle (centre)

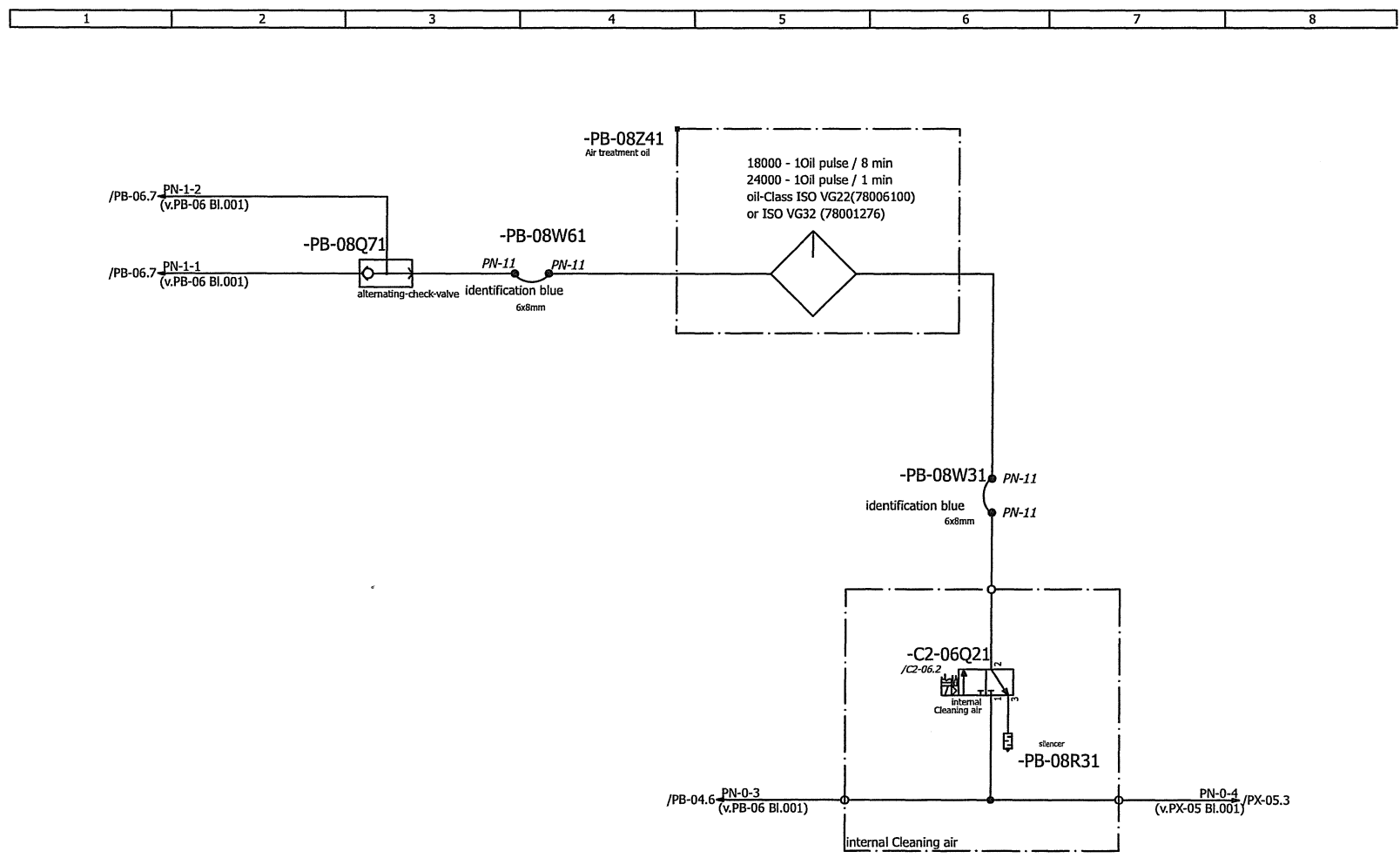


Figure 7-29

sheet PB-08/001

NC paring unit clamping option

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

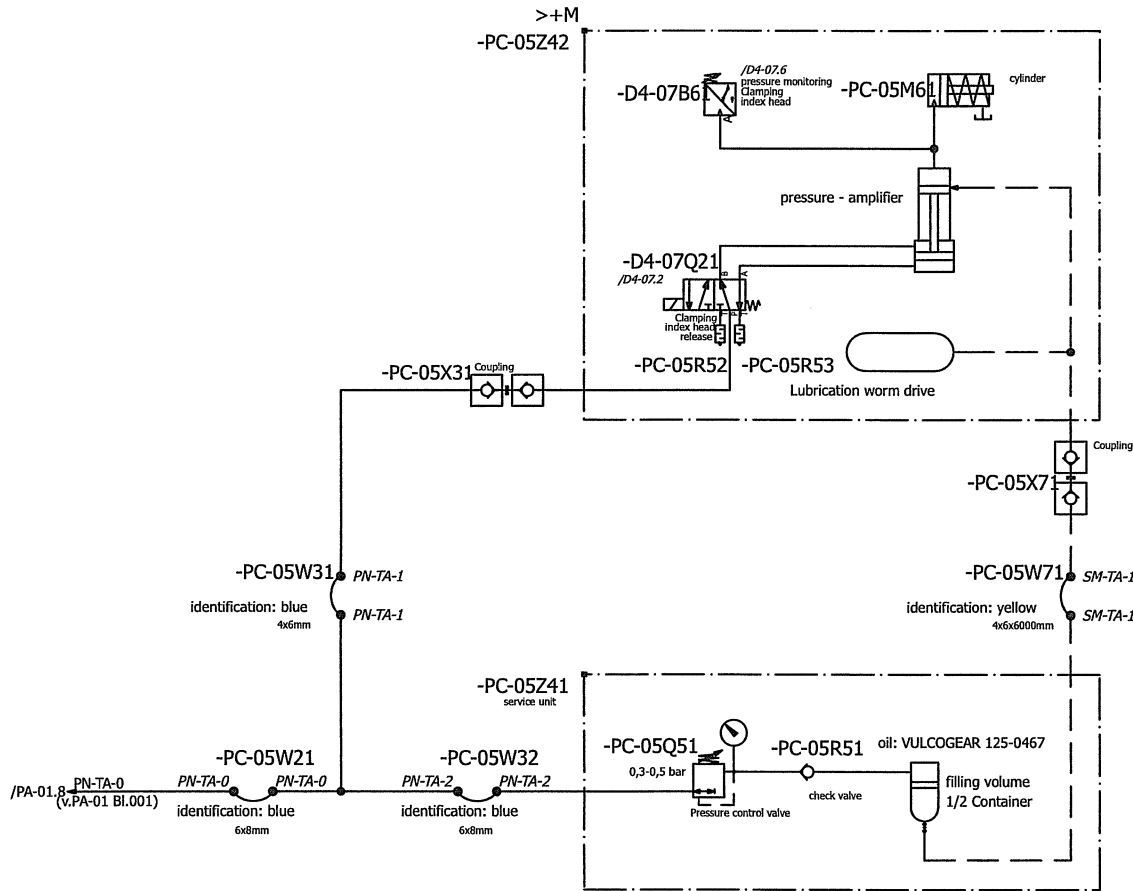
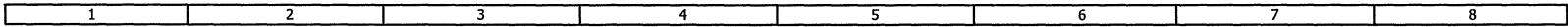


Figure 7-30

sheet PC-05/001

Pneumatics - Door on make-ready position, option



Door handling system

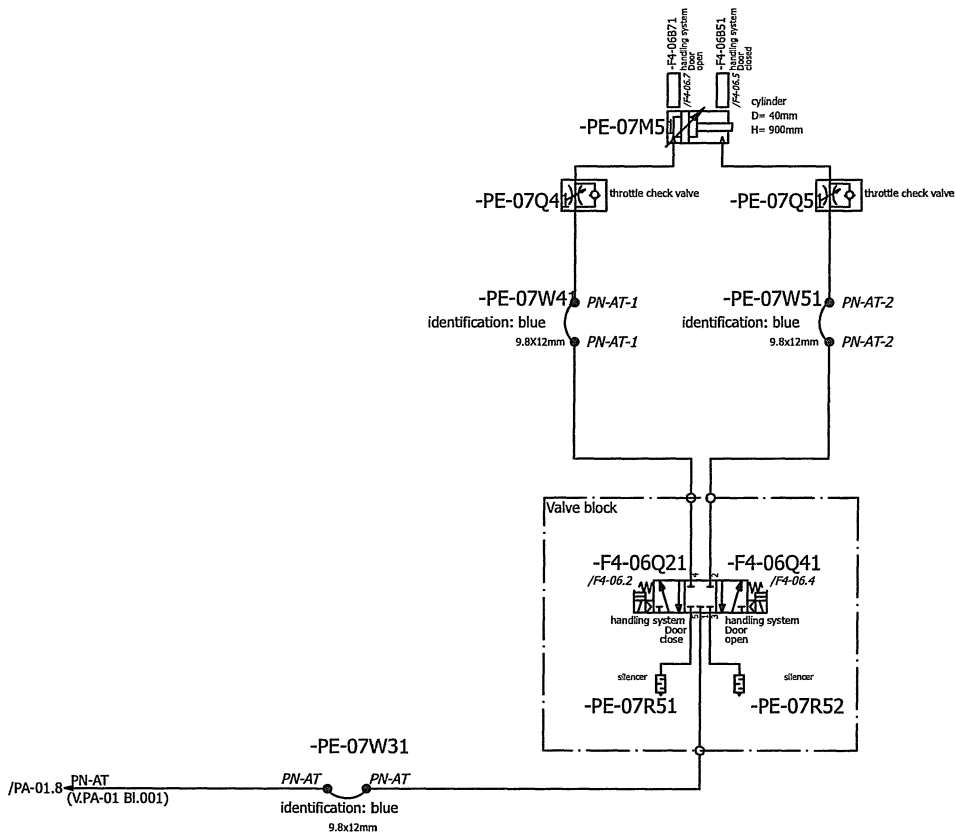


Figure 7-31

Tool magazine option - tool changer door

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Option - WZM GIFU
Door Tool changer

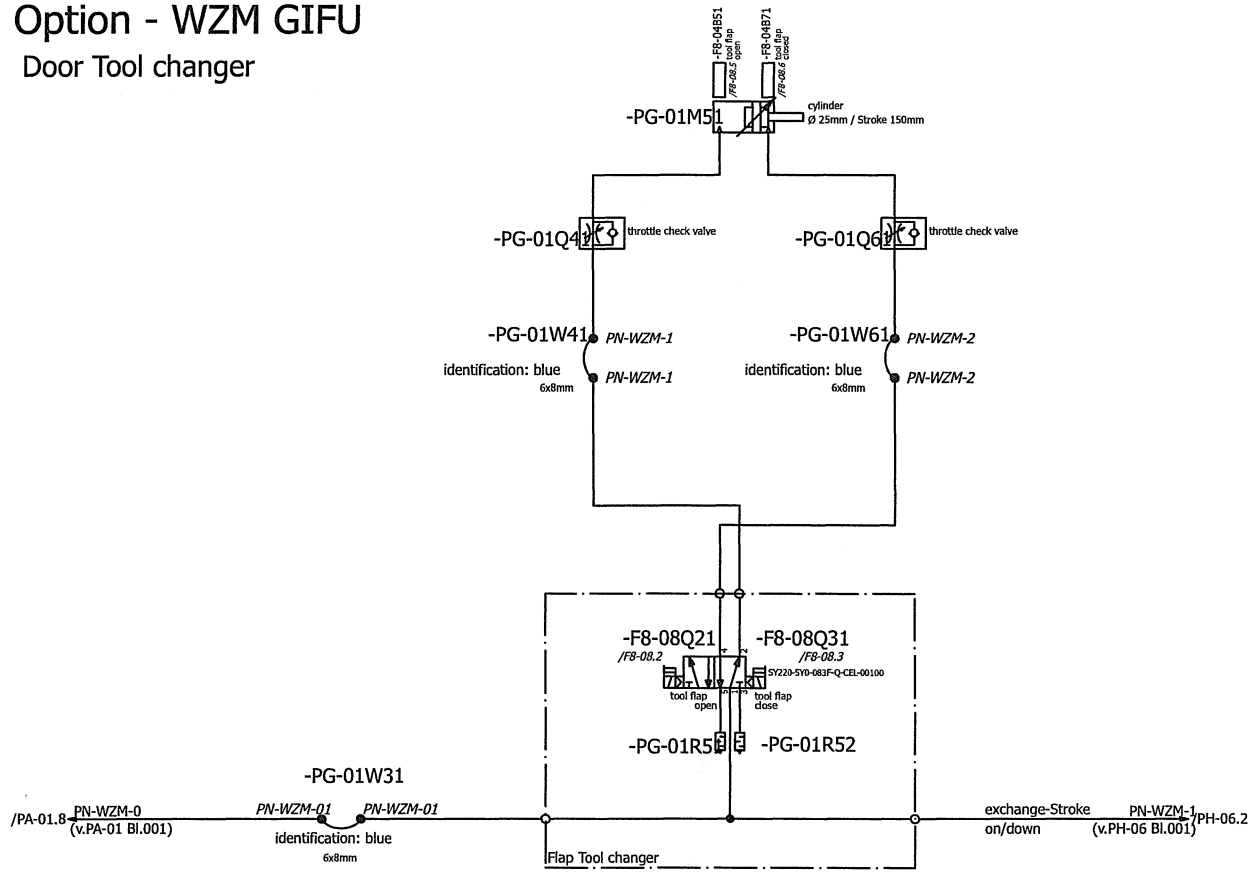


Figure 7-32

Tool magazine option - change hub up / down

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Option - WZM GIFU
exchange-Stroke on / down

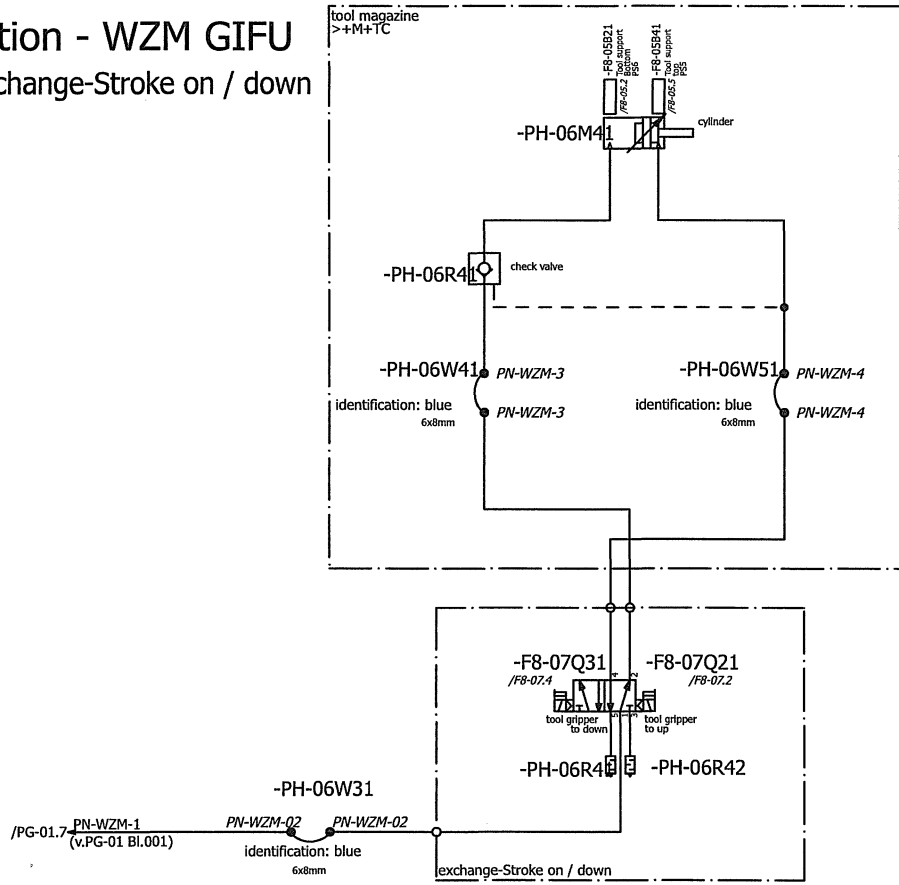


Figure 7-34

Laser measuring system option

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

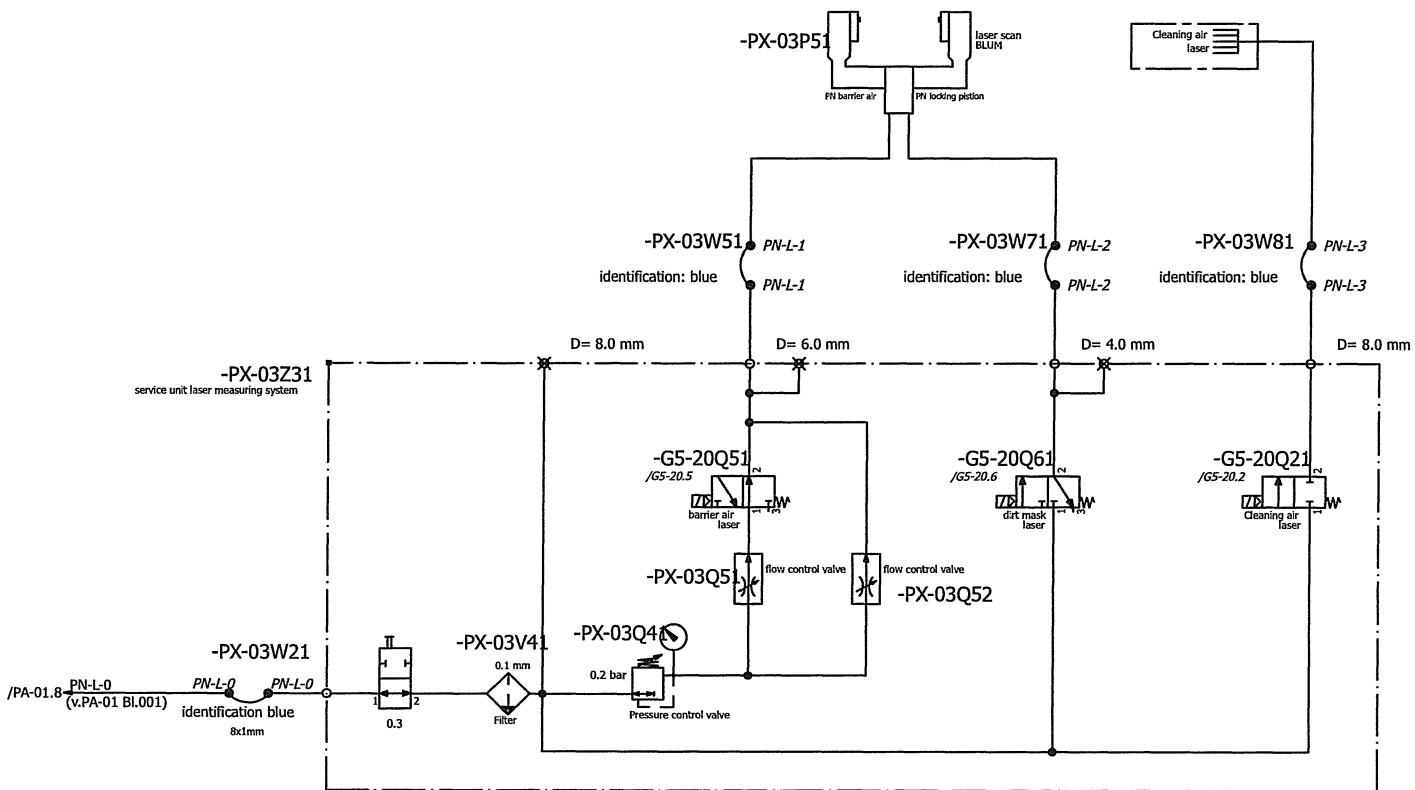


Figure 7-35

sheet PX-03/001

Pneumatics - equipment list

No.	BMK	Place	sheet	Designation	Identification	ident.no.	Type
1	-B0-02B51	+M+FB	/B0-02.5	temperature sensor	TM 47C1	2353836	6054465
2	-C2-05B31	+M+FB	/C2-05.3	Pressure switch	DRUCKSCHALTER G1/4, 0,5-16bar	6011878	0 821 100 023
3	-C2-05Q21	+M+FB	/C2-05.2	Valve	3/2 MAGNETVENTIL NW4, 24V DC (NC)	6001697	579 160 022 0
4	-C2-05Q51	+M+FB	/C2-05.5	Valve	3/2 MAGNETVENTIL TYP 579 8x1, 24V DC (NC)	6001781	579 260 022 0
5	-C2-05Q71	+M+FB	/C2-05.7	Valve	3/2 MAGNETVENTIL NW4, 24V DC (NC)	6001697	579 160 022 0
6	-C2-06B51	+M+FB	/C2-06.5	Pressure switch	DRUCKSCHALTER G1/4, 0,5-16bar	6011878	0 821 100 023
7	-C2-06Q21	+M+FB	/C2-06.2	Valve	3/2 Magnetventil TYP 579 8x1, 24V DC (NC)	6003868	
8	-C2-06Q31	+M+FB	/C2-06.3	Valve	3/2 Magnetventil TYP 579 8x1, 24V DC (NC)	6003868	
9	-F4-06B51	+M	/F4-06.5	Proximity switch	Näherungsschalter 25X50X10	2432194	BES 516 133 M0-C-S-4-00,2
10	-F4-06B71	+M	/F4-06.7	Proximity switch	Näherungsschalter 25X50X10	2432194	BES 516 133 M0-C-S-4-00,2
11	-F4-06Q21	+M	/F4-06.2	Directional valve	SY9320-5YO-03F-Q	2564013	SY9320-5YO-03F-Q
12	-F8-04B51	+M+WZM	/F8-08.5	sensing element	INDUKTIVER SENSOR PNP	2570485	BESM12ME-PSC40B-S04G-003
13	-F8-04B71	+M+WZM	/F8-08.6	sensing element	INDUKTIVER SENSOR PNP	2570485	BESM12ME-PSC40B-S04G-003
14	-F8-07Q21	+M+WZM	/F8-07.2	Directional valve	5/2*WEGEVENTIL*BISTABIL	2377216	SY220-5YO-083F-Q-CEL-00100
15	-F8-08Q21	+M+WZM	/F8-08.2	Directional valve	5/2*WEGEVENTIL*BISTABIL	2377216	SY220-5YO-083F-Q-CEL-00100
16	-G7-03Q61	+M+FB	/G7-03.5	Valve	3/2 MAGNETVENTIL NW4, 24V DC (NC)	6001697	579 160 022 0
17	-PA-01U51	+M+FB	/PA-01.5	Distributor	Steckverbinder, reduzierend, 3-fach	2304193	R412005350
18	-PA-01Z31	+M+FB	/PA-01.3	service unit	Wartungseinheit	2486284	R415007324
19	-PA-02V71	+M+FB	/PA-02.7	Filter	Druckfilter	93100547	LF BN/HC30IB3 BL0
20	-PB-04R51	+M+FB	/PB-04.5	silencer	Geraeuschaempfer	6001702	579 000 531 2
21	-PB-05Q61	+M+FB	/PB-05.4	Pressure control valve	Druckregelventil	2486293	R415007323
22	-PB-05R41	+M+FB	/PB-05.4	silencer	Geraeuschaempfer	6001702	579 000 531 2
23	-PB-06Q51	+M+FB	/PB-06.5	Pressure control valve	Druckregelventil	2486293	R415007323
24	-PB-06R51	+M+FB	/PB-06.5	silencer	Geraeuschaempfer	6001702	579 000 531 2
25	-PB-07Q41	+M+FB	/PB-07.4	Pressure control valve	DRUCKREGELVENTIL	2485339	R412010022 (DMG-LOGO)
26	-PB-08Q71	+M+FB	/PB-08.3	Pneumatic valve	Wechselventil (oder)	2710336	0 821 000 003
27	-PB-08R31	+M+FB	/PB-08.6	silencer	Geraeuschaempfer	6001702	579 000 531 2
28	-PB-08Z41	+M+FB	/PB-08.4	oil mist lubrication	Nebeloeeler NL4 G3/8	2703330	0 821 301 513
29	-PC-05X71	+M+FB	/PC-05.7	Coupling	KD-1/8	2297222	2142
30	-PC-05Z41	+M+FB	/PC-05.4	service unit	Überdruckeinheit	2713701	125-0720
31	-PE-07M51	+M	/PE-07.5	pneumatic cylinder	PNEUMATIKZYLINDER 1/4*40*900*RTC-BV	2532976	R480141477
32	-PE-07Q41	+M	/PE-07.4	throttle check valve	DROSSELRUECKSCHLAGVENTIL NW4, G1/4	2288561	534 112 210 0
33	-PE-07Q51	+M	/PE-07.5	throttle check valve	DROSSELRUECKSCHLAGVENTIL NW4, G1/4	2288561	534 112 210 0
34	-PE-07R51	+M	/PE-07.5	silencer	SCHALLDAEMPFER G1/4	27058492	1 827 000 001
35	-PE-07R52	+M	/PE-07.5	silencer	SCHALLDAEMPFER G1/4	27058492	1 827 000 001
36	-PG-01M51	+M+WZM	/PG-01.5	pneumatic cylinder	PNEUMATIKZYLINDER	2604809	C85N25-150C
37	-PG-01Q41	+M+WZM	/PG-01.4	throttle check valve	DROSSELRUECKSCHLAGVENTIL, WINKELTYP	2535021	AS2201F-01-06S
38	-PG-01Q61	+M+WZM	/PG-01.6	throttle check valve	DROSSELRUECKSCHLAGVENTIL, WINKELTYP	2535021	AS2201F-01-06S
39	-PG-01R51	+M+WZM	/PG-01.5	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
40	-PG-01R52	+M+WZM	/PG-01.5	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
41	-PG-02R31	+M+FB	/PG-02.3	silencer	Geraeuschaempfer	6001702	579 000 531 2
42	-PG-02Z31	+M+FB	/PG-02.3	service unit	Wartungseinheit	2486312	R415007325
43	-PH-06R41	+M+WZM	/PH-06.4	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
44	-PH-06R42	+M+WZM	/PH-06.4	silencer	HOCHLEISTUNGS-SCHALLDAEMPFER	2352748	AN103-01
45	-PX-03P51	+M+FB	/PX-03.5	Measuring device	P87.0634-014-NT-A4	2707112	P87.0634-014-NT-A4
46	-PX-03Z31	+M+FB	/PX-03.3	service unit	Pneumatikeinheit	2564942	P87.0634-054-A235
47	-PX-05R51	+M+FB	/PX-05.5	silencer	Geraeuschaempfer	6001702	579 000 531 2

Figure 7-37

8

9

9	Wear parts lists.....	9-3
----------	------------------------------	------------

9 Wear parts lists

Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2359200	Cooling unit	FLKS*100W*50/60HZ		
2359200	Cooling unit	FLKS*100W*50/60HZ		
2359200	Cooling unit	FLKS*100W*50/60HZ		1 pcs
2367044	Filter mat	320*310*20		1 pcs
2368303	Pump	MTA3*75/95l/min*50/60HZ		1 pcs
2368395	Fan	AXIAL*400V*50/60HZ		1 pcs
2368514	Cooling element	FLKS-1		1 pcs
2645466	Housing	FLKS*100W*KPL		1 pcs
2377707	Measuring device	X*Y*Z*DMU50		
2377893	Package	LM-SYSTEME*DMU 50		
2366626	Length measuring system	LC483*620*0.005*ABS		1 pcs
2366628	Length measuring system	LC483*520*0.005*ABS		1 pcs
2366634	Length measuring system	LC483*470*0.005*ABS		1 pcs
2387977	add-on set	BFA*DMU50/70		
2387977	add-on set	BFA*DMU50/70		
2459415	Return valve	SOCLA R1 1/4		1 st
27057614	Screw connection hydraulic	RI*1 1/4*EDX*3/4		1 st
2498878	Add-on set	ME*LEUCHTE*PLANON		
2498878	Add-on set	ME*LEUCHTE*PLANON		
2713945	Screw-on hose connection	USE-P*5010.040.013		1 st
2500883	Add-on set	EL*PLANONLEUCHTE		
27059869	TUELLENGEHAEUSE	09 20 003 1440		1 st
27059871	PLUG INERT	09 20 003 2611*		1 st
27081624	CABLE COUPLING	PG11*4-10*S		1 st
2502566	Package	ANTRIEB*SL*INKR		
2502781	Feed drive	X*SOL_LINE_T		
2717715	Tooth belt	HTD*535*5M*25		1 st
2502788	Motor with tooth disk	5*24*24*25		
2502518	3-phase servomotor	1FK7060*4500*6Nm		1 pcs
26050227	Hexagon socket cap screw	M8*25*8.8*912		4 st
2502796	Feed drive	Y*SOL_LINE_T		
2717715	Tooth belt	HTD*535*5M*25		1 st
2502802	Motor with tooth disk	5*24*24*25		
2502518	3-phase servomotor	1FK7060*4500*6Nm		1 pcs
26050227	Hexagon socket cap screw	M8*25*8.8*912		4 st
2502807	Feed drive	Z*SOL_LINE_T		
26050227	Hexagon socket cap screw	M8*25*8.8*912		6 st
2717718	Tooth belt	HTD*560*5M*25		1 st
2502809	Motor with tooth disk	5*35*24*25		
2502517	3-phase servomotor	1FK7060*3000*6Nm		1 pcs
26050227	Hexagon socket cap screw	M8*25*8.8*912		4 st
2717322	Safety brake	DMU50		
24077737	SCHENKELFEDER			1 st
26050527	Retaining ring	12*1*DIN471		1 st
27051416	Needle bush	20*26*12*HK 2012		2 st



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezification	Quantity	
2513642	Chip conveyer	KRATZ-BA*DMU50*IKZ		
2399667	cover	KPL*NIVEAUREG.*STECKER		
27069576	PLASTIKKUGEL FA.TROEGER	V.SCHW	1 st	
2501913	Scraper chain	KPL*DMU50		
2502010	Driver	PLATTE*40*8*L255	24 pcs	
2724827	Lock	KRATZERFOERDERER*38.1	2 st	
2513642	Chip conveyer	KRATZ-BA*DMU50*IKZ		
2347345	Gear motor	BS06*0.25*400V*13.5	1 pcs	
2501913	Scraper chain	KPL*DMU50	1 pcs	
2502861	sheet	TRICHTER*SPF*KANAL-345	1 pcs	
2502862	Hood	SPF*KANAL-345	1 pcs	
2546949	Strainer	SIEBKORB	1 pcs	
27063622	edge protection	PROFIL*ÖLBEST.NBR	3 m	
2528854	add-on set	SPERRLUFT*MESSYSTEM		
2386374	Filter	AS2*R412007903		
7062042	Filter insert	0*1829 207 044	1 st	
2486312	Maintenance unit	AS2*R415007325		
2386293	Filter	AS2*0.01*R412007902	1 pcs	
2386395	pressure regulator	AS2*R412007905	1 pcs	
2387565	Manometer	0-10*R412007941	1 pcs	
2511881	Screw connection pneumatic	D6*G3/8*QR1-RVT	1 pcs	
2528854	add-on set	SPERRLUFT*MESSYSTEM		
2704401	Screw connection pneumatic	6*QR1-RYK	2 st	
6017502	Return valve	RV08A-01-C-N	1 st	
2535266	Add-on set	IKZ*SPI*10000/14000		
2532516	connection lines	IKZ*DMU50		
2367326	Return valve	TVR2*I-I*G1/4	2 pcs	
27051222	Screw connection hydraulic	GE*10*PLR	1 st	
27064730	EDGE SEALING RING	DKAZ*R1/4	4 st	
27078079	Screw connection pneumatic	8*1/4*1823 373 048	1 st	
27078080	plastic pipe	8*1*1820 712 0	1 m	
27083046	Screw connection hydraulic	VSTI-ED*G1/4	1 st	
2721779	Screw connection hydraulic	EV10LA3C	2 st	
81256072	hydraulic line	10L*10L*460*8*1-DKO	1 st	
93001015	Screw connection hydraulic	WH*10*LR*KDS OMD	2 st	
81256072	hydraulic line	10L*10L*460*8*1-DKO		
27075050	PRESSFASSUNG	PX 258*F.1108K	2 st	
93001015	Screw connection hydraulic	WH*10*LR*KDS OMD		
27073299	seal ring	KD*1/4 - KUNSTSTOFF	2 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2544381	belt filter device	600*60H*40*2*X		
2351575	Floating switch	BNS-BES3/500		
2311624	Floating switch	OHNE*INITIATOREN	1 pcs	
2356467	Pipe clamp	M12x1*D=32*OT	3 pcs	
2544381	belt filter device	600*60H*40*2*X		
2339536	Filter fleece	OL 60*710	1 pcs	
2351575	Floating switch	BNS-BES3/500	1 pcs	
2456122	Sensor	LICHTTASTER WT 9-2P 430	1 st	
2456138	Switch	3SE2230-1W POSI.	1 st	
2566966	Add-on set	ME*KM-DUESE*WASSER		
2344059	Spray nozzle	KUEHLMITTEL		
10233167	Pipe straight	5*2,5*20	6 st	
26055768	SCREW PLUG	R1/4*DIN908*	1 st	
27073190	Spray nozzle	ELEMEN NR.1010 PWZ	6 st	
2355890	Spray nozzle	KUEHLMITTEL KPL.		
27059018	O-RING	OR12*2.0	1 st	
2588289	Measuring sensor	PP60*HSK63*KOMPL		
2583039	Measuring sensor	PP60*HSK-A63*DMG		
27079126	Stylus	50*4.5*KOPF6MM	1 st	
2608464	Add-on set	840D*SRT*MOT*DMU50		
2502556	Motor with tooth disk	5M*20*19*25*HTD		
2323539	3-phase servomotor	1FK7042*3000*3Nm	1 pcs	
2717913	Serrated lock washer	5M*20*19*25*HTD	1 st	
2502559	Motor with tooth disk	5M*20*19*25*HTD		
2323539	3-phase servomotor	1FK7042*3000*3Nm	1 pcs	
2717913	Serrated lock washer	5M*20*19*25*HTD	1 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly			
Assembly			
Part Id.	Designation	Spezifikation	Quantity
2609731	Swivelling rotary table	MOTOR*DDF*KPL	
2360098	Hydraulic line	4RS6*4RS6*2565*OMD	
27072081	PIPE SOCKET	4 RS 6*TECALEMIT	4 st
2377995	Pipe compl.	RT DMU50	
27077031	SUPPORTING RING	SG 8X11X1.2P PTFE*B	4 st
27080801	O-RING	8*3.0	2 st
27080959	O-RING	OR7*2.0	4 st
2492870	Distributor	RUNDTISCH*DMU50	
2413018	Distributor lubrication	SV*244*FLFE	1 st
2492872	Distributor lubrication	SV*344*FLFE	1 pcs
27051100	seal ring, flat	A*10*14*1*CU*7603	1 st
27051897	Screw plug	B*M10*406.01	1 st
2524604	Clamping ring	RT*C-ACHSE	
2717702	Turcon-Roto-Glyd ring	TG42*03250*T40N	1 st
2724390	O-ring	320*3*NBR*90SH	1 st
2724903	Ring	324*225*34	1 st



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

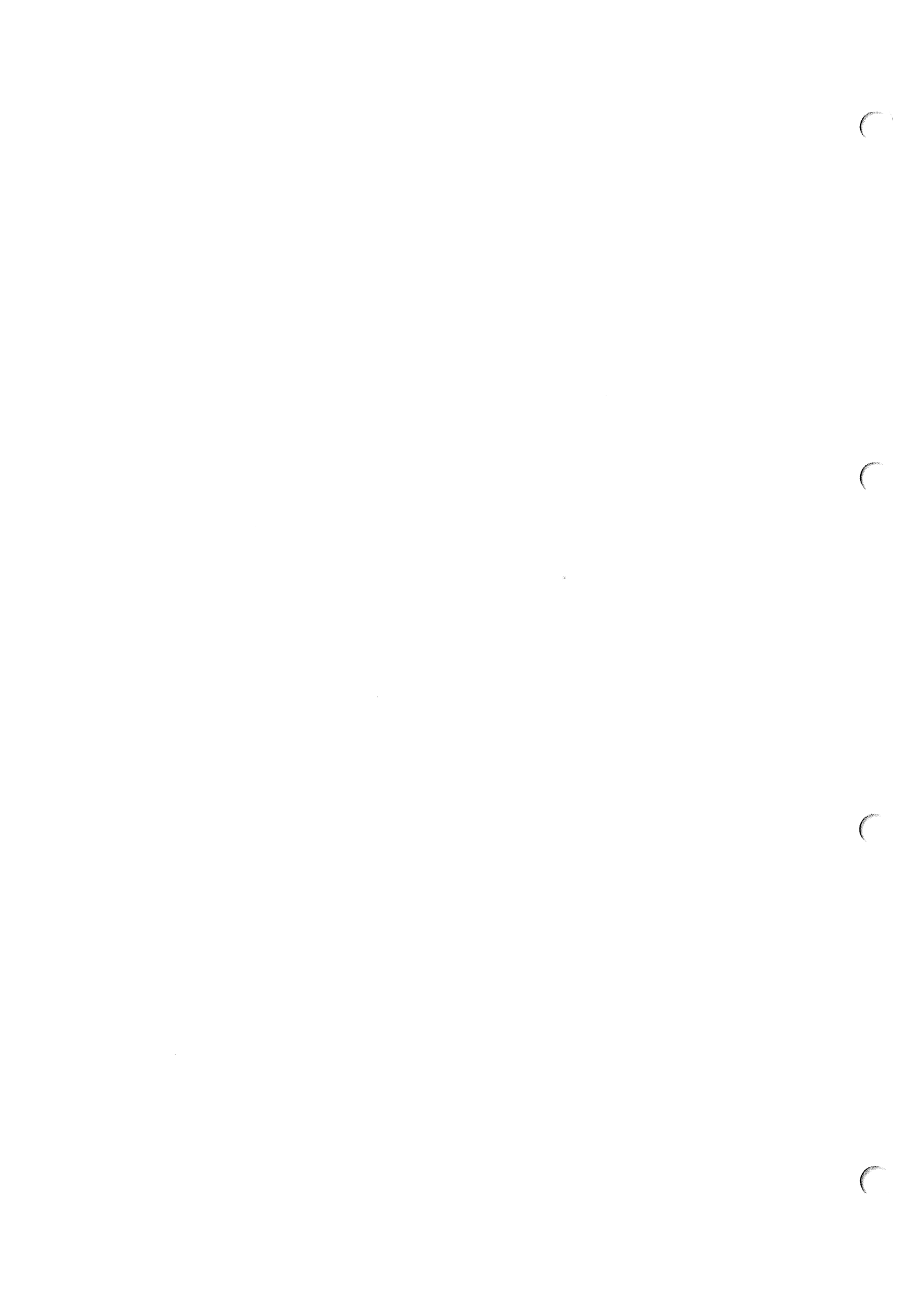
Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2609731	Swivelling rotary table			
2609732	Swivelling rotary table	MOTOR*M.DDF		
14045570	BUCHSE	69 X 42 X 30 X 20	1 st	
2260705	axial angular ball bearing	20*68*28*ZKLF-2RS	1 st	
2291202	Screw connection pneumatic	4*M6*1823373113	3 st	
2291203	Screw connection lubrication	4*1823391904	3 st	
2296512	Screw connection hydraulic	SWVE*6-PLR	5 st	
2358946	shaft encoder	RCN226*16384*ABS	2 pcs	
2375804	Screw connection hydraulic	EV06LA3C	1 pcs	
2409571	Urelast spring	1612*U*EFFBE	4 st	
2426081	Adjusting nut	MMR*M65*1.5*RADIAL	1 st	
2495750	Needle thrust ball bearing	50*62*35*NKX50	1 pcs	
26050227	Hexagon socket cap screw	M8*25*8.8*912	1 st	
27051455	needle bearing	NK15/16	1 st	
27054217	TAPER ROLLER BEARING	32006X	2 st	
27054426	Screw connection hydraulic	EVW*06*L*A3C	4 st	
27054496	O-RUBBER	D=3,0MM	1,93 m	
27054789	double conical ring	4*DIN3862*MS*4	1 st	
27055029	Screw connection hydraulic	EVL*06*L*A3C	2 st	
27055036	THREADED CONNECTION	T*6*PL	1 st	
27069971	O-RING	OR38*2.0	1 st	
27072565	SUPPORTING ROLL	NATR 10 PP*INA	4 st	
27076942	needle thrust ball gear	NKX 70	1 st	
27080801	O-RING	8*3.0	2 st	
27081464	Pipe clamp	RSGU 1*20/15-W1*RA	1 st	
2708692	Union nut	M12*06*FMEO	2 st	
2708700	Union nut	M14*06*FMEO	2 st	
2713271	seal ring	TWVL-03750-N6*V-SEAL	1 st	
2716571	Flange	MUTTER	1 st	
2717347	seal ring	TWVL-02750-N6*V-SEAL	1 st	
2717875	Tooth belt	HTD*325*5M*25	2 st	
2717915	Serrated lock washer	5M*35*32*25*HTD	1 st	
2717917	Worm	SCHNECKENWELLE MOTOR	1 st	
2718987	Bearing block	SCHNECKENRITZEL	1 st	
2720590	pressure sleeve	AK12.18	4 st	
2723039	O-ring	22.5*6*NBR*80SH	4 st	
2723205	seal profile	FILZ*1900x4x3*TG12	1 st	
2726770	Cylinder	KLEMMUNG RT	4 st	
2674447	Hydraulic line	6I*6L*4200*5*1*DKO		
27093231	PRESSFASSUNG	PX 255*F.1105K	2 st	
2674476	Hydraulic line	6L*6L*3700*5*1*DKO		
27093231	PRESSFASSUNG	PX 255*F.1105K	2 st	
2718460	Lubrication line	6*3860*TEC*2		
27055022	HSD-SCHL	AF*4	3,8 m	
27063484	sleeve	HE 4*4.3707 09.7*TECAL.	2 st	
27063485	EINSCHLAGDORN	4.127433.7 BE 6L	2 st	
27073795	PLASTIC PLUG	GPN*550 003*7	2 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2609731	Swivelling rotary table			
2724548	drive	B-ACHSE RT MOT		
2260705	axial angular ball bearing	20*68*28*ZKLF-2RS	1 st	
27062815	RK-LAGER	6304-2RS	2 st	
2717915	Serrated lock washer	5M*35*32*25*HTD	1 st	
2718345	Ball screw	25*5*R*521*40*45*F	1 st	
2726770	Cylinder	KLEMMUNG RT		
2716923	Spring washer	-*60*20.5*2	24 st	
2718955	seal ring	18*25.3*3.2*TURCON	4 st	
2718956	seal ring	45*55.7*4.2*TURCON	4 st	
2726771	Cylinder	HYDRAULIK	4 st	
2726773	Piston	HYDRAULIK	4 st	
2727082	Guide ring	F.STANGE*GR	4 st	
2731104	rotary feedthrough	HYDR.NCRT		
2362177	Turcon-Roto-Glyd ring	TG52*00400*Z80V	4 pcs	
93001013	Screw connection hydraulic	WH*6*LR*KDS OMD	2 st	
93001013	Screw connection hydraulic	WH*6*LR*KDS OMD		
27073574	seal ring	KD*1/8 - KUNSTSTOFF	2 st	
2610771	Add-on set	EL*SW*HANDLING		
2502527	connection line	VERTEILER 4-FACH*5M		
2359523	Distributor strip	4-VIE*M12*5POL	1 pcs	
2610771	Add-on set	EL*SW*HANDLING		
27066102	wire	H05 V-K*0.75*BL RAL5010	20 m	
27066399	multicore cable	0,75/8*ISOLIERT	20 st	
2610824	Add-on set	EL*ROBOTER*DP/DP*ND		
2537822	Plate	DE*ROBOTER*22*11		
2528531	label	22x11x0.8*SILBER	1 pcs	
2610824	Add-on set	EL*ROBOTER*DP/DP*ND		
2383673	Line safety switch	5SY*B*2A*1	1 pcs	
2504050	Plug insert	HAN*BUC*SC*MOD*PE	1 pcs	
2525662	label	RAFIX16*37.5x25.0	2 pcs	
2538817	Distributor	NAT-ROUTER*8TX	1 pcs	
2562144	Interface	RJ45*PATCH*CAT5*IP20	1 pcs	
27066102	wire	H05 V-K*0.75*BL RAL5010	30 m	
27066399	multicore cable	0,75/8*ISOLIERT	40 st	
27078284	SCHUETZ	24V*DC*3RH11 40-2BB40	5 st	
27078285	auxilliary switch block	3RH19 11-2G	5 st	
6019963	Module	DP/DP-KOPLER	1 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2612914	Tool magazine	60WZ*HSK63*G3		
2554282	electrical material	WZW		
0251370	Proximity switch	BES516*2*M12*24V*DC	2 st	
2372810	Sensor	BMF21K-PS-C-2-S49	2 pcs	
2555061	seat	30/60CV*L0*HSK63A*KPL		
2627681	insert	AUFNAHME*HSK63A	60 pcs	
2612914	Tool magazine	60WZ*HSK63*G3		
2554282	electrical material	WZW	1 pcs	
2555061	seat	30/60CV*L0*HSK63A*KPL	60 pcs	
2666746	cover	MAGAZINRAD*KETTE	1 pcs	
2666759	Set of plates	NUMMERN 1-60	1 pcs	
2667573	Tool magazine	BGR.WZW-ANTRIEB	1 pcs	
2667593	Tool magazine	BGR.KETTENANTRIEB	1 pcs	
2667677	Gripper	DOPPELARM*576*HSK*KPL	1 pcs	
2667821	Tool magazine	WZG-AUSKLAPPEMECH	1 pcs	
2669222	Guide set	WZW*60WZ*GIFU*DMC	1 pcs	
2669811	Motor	Index Mechanismus*60WZ	1 pcs	
2669817	Motor	Greiferarm*30/60WZ	1 pcs	
2667573	Tool magazine	BGR.WZW-ANTRIEB		
2559761	Tooth belt	PO-GR*880*8MGT3*20	1 pcs	
2665479	Shaft	53*34*20*42.5*SIGNALE	1 pcs	
2669826	Serrated lock washer	8*30*22*20*GT3	2 pcs	
2667677	Gripper	DOPPELARM*576*HSK*KPL		
2553647	Gripper	HSK63*1SA=2ST	1 sa	
2553651	Pusher	HSK63*1SA=2ST	1 sa	
2553659	bolt	.*0*VERRIEGELUNGSBOLZEN	2 pcs	
2553664	Anti-twist device	STOESSEL	2 pcs	
2553668	Anti-twist device	KLEIN	2 pcs	
2554073	cover	*	2 pcs	
2643101	Spring	F.STOESSEL*GIFU	2 pcs	
2669222	Guide set	WZW*60WZ*GIFU*DMC		
2670012	Guide way	*****WZW*60WZ	1 pcs	
2670013	Guide way	*****WZW*60WZ	1 pcs	
2670014	Guide way	*****WZW*60WZ	1 pcs	
2670015	Guide way	*****WZW*60WZ	1 pcs	
2670016	Guide way	*****WZW*60WZ	1 pcs	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezification	Quantity	
2627793	Completion	MSP*HSK-A63*14000		
2622687	Motor spindle	DMS*14000*14KW		
2372484	connection line	MSP*STERN*DREIECK	1 pcs	
2392482	Release unit	SK40*HY	1 pcs	
2487484	rotary feedthrough	50BAR	1 pcs	
2536383	Clamping set	HSK-A63*DIN69893	1 pcs	
2600841	Ring nut	M55x1,5*D74*18	1 pcs	
2622689	mounting set elec.	DREHGEBER KPL.	1 pcs	
27075061	O-RING	190*5*VITON*80 SHORE	1 st	
2627793	Completion	MSP*HSK-A63*14000		
2320406	Temperature sensor	PT100 1m Kabel	1 pcs	
2622687	Motor spindle	DMS*14000*14KW	1 pcs	
27051171	inserting sleeve	404.603	1 st	
27051300	TAPER RING	4*404.611	1 st	
27051881	Screw connection lubrication	4*M8x1	1 st	
27066265	hose liner	13*R1/2" 0123	1 st	
2707326	Sensor	PT100 A 0-100Grad	1 st	
27075588	O-RING	OR200*5*VITON	1 st	
27079027	STECKVERBIND.	SAIS-5/7*WEIDMUE	1 st	
2709037	Screw connection pneumatic	8/4*1823 391 617	1 st	
2709038	Screw connection pneumatic	10/8*QST-10-8	1 st	
2709072	Return valve	G1/2*SPERRL.ANSCHL.	1 st	
93001011	Screw connection hydraulic	WH*8*LR*KDS OMD	2 st	
2709072	Return valve	G1/2*SPERRL.ANSCHL.		
2709624	Return valve	4*M5*1823 373 103	1 st	
93001011	Screw connection hydraulic	WH*8*LR*KDS OMD		
27073299	seal ring	KD*1/4 - KUNSTSTOFF	2 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2627893	Basic machine	DMU50		
2376140	Headstock	KPL*DMU 50		
2291202	Screw connection pneumatic	4*M6*1823373113	1 st	
26059878	SCREW PLUG	R1/2*DIN908*	1 st	
2717737	Linear guide	35*R*B*2*903/2*903/2*llnn	1 st	
2376141	Y-slide	KPL*DMU 50		
2717736	Linear guide	35*R*B*2*1090/2*1090/2*llnn	1 st	
2376142	Feed	Z*DMU 50		
26050531	Retaining ring	15*1*DIN471	1 st	
27072376	RK-LAGER	6202-2ZR	1 st	
27077302	axial angular ball bearing	25*75*28	1 st	
27083020	ADJUSTING NUT	MMR*M25X1.5*IBC	1 st	
2610223	Basic frame	KPLT.*DMU 50		
2717735	Linear guide	35*R*B*2*1224/2*1090/2*nnnn	1 st	
2627898	X-slide	KPLT.*DMU50		
2288663	Urelast spring	80*21*50	1 st	
2717001	limit stop	Y*DMU50		
2717290	Urelast spring	5050 U 90	2 st	
2717315	Distributor	X-SCHLITTEN*DMU50		
2291202	Screw connection pneumatic	4*M6*1823373113	4 st	
2291203	Screw connection lubrication	4*1823391904	5 st	
2703668	Distributor lubrication	SV*32222*FLFE	2 st	
27051100	seal ring, flat	A*10*14*1*CU*7603	3 st	
27051331	Screw connection lubrication	M10x1	1 st	
27051352	plastic pipe	4*0.85*EBA-PLAS	7,5 m	
27051897	Screw plug	B*M10*406.01	1 st	
27052649	double conical ring	6*MS*3862*406.001	2 st	
2717735	Linear guide	35*R*B*2*1224/2*1090/2*nnnn		
27093115		35*AS*STIRNPLATTE	8 st	
2717736	Linear guide	35*R*B*2*1090/2*1090/2*llnn		
2627622	Linear guide accessories	35*AB*1090	2 pcs	
27093115		35*AS*STIRNPLATTE	8 st	
2717737	Linear guide	35*R*B*2*903/2*903/2*llnn		
27093115		35*AS*STIRNPLATTE	8 st	
2723425	Feed	X * DMU50		
26050531	Retaining ring	15*1*DIN471	1 st	
27072376	RK-LAGER	6202-2ZR	1 st	
27077210	Adjusting nut	MMR*M30*1.5*AXIAL	1 st	
2714195	axial angular ball bearing	30*80*28	1 st	
2717042	Ball screw	40*10*R*690*63*97*F	1 st	
2723426	Feed	Y * DMU50		
26050531	Retaining ring	15*1*DIN471	1 st	
27072376	RK-LAGER	6202-2ZR	1 st	
27077210	Adjusting nut	MMR*M30*1.5*AXIAL	1 st	
2714195	axial angular ball bearing	30*80*28	1 st	
2717041	Ball screw	40*10*R*584*63*97*F	1 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2627893	Basic machine			
2728864	Distributor	Y*SCHLITTEN		
2291202	Screw connection pneumatic	4*M6*1823373113	5 st	
2291203	Screw connection lubrication	4*1823391904	1 st	
27051100	seal ring, flat	A*10*14*1*CU*7603	3 st	
27051352	plastic pipe	4*0.85*EBA-PLAS	8,7 m	
27051897	Screw plug	B*M10*406.01	1 st	
27052636	seal ring	USIT*U 6,7X10X1	8 st	
27052649	double conical ring	6*MS*3862*406.001	1 st	
2728888	Piston distributor	3-FACH*STECKV.	2 st	
2628440	add-on components	KUEHLAGGREGAT		
2628440	add-on components	KUEHLAGGREGAT		
2386056	Buffer	A*30*30*M8X20/12*55SH	4 pcs	
27051553	Screw connection hydraulic	RI*3/4*EDX*3/8	2 st	
2730533	Ball cock	G3/8*1823 391 908	2 st	
2639156	Visiport	DMU50		
2317524	Visiport	220.C5*DOKU-ZWINGEND		
2307441	O-ring	225*2,5*Viton	1 pcs	
2317529	Viewing glass	220.C5	1 pcs	
2722239	Motor	VISIPORT	1 st	
2722240	Bearing	VISIPORT 220.B5	1 st	
2722242	cover cap	VISIPORT 220.B5	1 st	
2639156	Visiport	DMU50		
2317524	Visiport	220.C5*DOKU-ZWINGEND	1 pcs	
2503196	Bellows	KAB-DURCHF*V6-20316	1 pcs	
2703945	Plastic hose	9*12*GLASKLAR	1 m	
2711461	Screw connection pneumatic	10*1/4*0101 10 13	1 st	
2639188	add-on components	DACH*WZM30/60*DMU50		
2590953	Chain	.GL*27*1*DACH*DMU50*RE		
2670702	Segment	VERSTEIFUNGSEL.	1 pcs	
2590954	Chain	.GL*34*1*DACH*DMU50*LI		
2670702	Segment	VERSTEIFUNGSEL.	1 pcs	
2614107	Retrofit kit	DACH*DMU50*RE		
2597928	Chain lock	JNTC50	1 pcs	
2611894	Roller	SEK/050	1 pcs	
2615074	Tension spring	Dm=20.7*215*OVAL	1 pcs	
2623514	Retrofit kit	DACH*DMU50*LI*WZM30		
2597928	Chain lock	JNTC50	1 pcs	
2611894	Roller	SEK/050	1 pcs	
2615074	Tension spring	Dm=20.7*215*OVAL	1 pcs	
2639188	add-on components	DACH*WZM30/60*DMU50		
27072995	VERSCHLUSS	SCHNAEPPER 244.20.1	1 st	
2639199	roof	KPLT.*DMU50		
2590948	Bellows	Y*KPL		
27072995	VERSCHLUSS	SCHNAEPPER 244.20.1	2 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2639248	Add-on set	ME*KABINE*WZM*GIFU		
2642995	cover	COVER*GIFU*30*60		
27072995	VERSCHLUSS	SCHNAEPPER 244.20.1	1 st	
2650497	Door	KPLT.*MV*DMU50		
2383594	Adhesive tape	3M VHB 5962F B=19MM	2,2 m	
26050626	Washer	10*5.3*1*B*125*ST-BR	9 st	
2734231	connection line	SCHUTZLEITER TUER		
27070186	cable socket	RING BLANK*4-6*M6*	2 st	
2641355	Cabin	SW*RE*HANDLING*DMU50		
2572191	Carriage	TUERFUEHRUNG*RE		
27054163	RK-LAGER	608-2Z	1 st	
27066591	Buffer	D18x7,5 M6x16 NR 65SH	1 st	
27078907	Hexagon-head screw	M10*32*-*-	1 st	
27078908	Roller	35MM*LFR 5201-20 KDD	1 st	
2572193	Carriage	TUERFUEHRUNG*LI		
27054163	RK-LAGER	608-2Z	1 st	
27066591	Buffer	D18x7,5 M6x16 NR 65SH	1 st	
27078907	Hexagon-head screw	M10*32*-*-	1 st	
27078908	Roller	35MM*LFR 5201-20 KDD	1 st	
2602317	Add-on set	EL+ME*SW*HANDLING		
2291910	Screw connection pneumatic	12*G1/4*WINKEL	2 st	
2469547	Safety equipment	Si.-Sch. PSEN	1 st	
2469549	Safety equipment	Betätiger PSEN	1 st	
2564013	Directional control valve	5/3*SY9320-5Y0-03F	1 pcs	
27058492	Sound absorber	G1/4*1827000001	2 st	
2707273	Screw connection pneumatic	12*3/8*QR1-RPN	2 st	
2727052	Cable tray	WDK*KAN*25*25	1,55 m	
2641356	Cabin	SW*HANDL.*DMU50		
27054163	RK-LAGER	608-2Z	4 st	
27066591	Buffer	D18x7,5 M6x16 NR 65SH	2 st	
2642085	Door	VO*KPLT.*DMU50		
2569165	Sealing plug	GPN600*D=22*B212	1 pcs	
27072995	VERSCHLUSS	SCHNAEPPER 244.20.1	1 st	
2642090	Viewing glass	POLY*TUER*VO*KPLT.		
2670369	Toroidal sealing ring	-*15*NBR*MOOSG	4,09 m	
2642146	Side wall	RE*HANDLING*KPLT.		
2383126	Dowel screw	12X45/M10*ISO7379	1 pcs	
2514994	Guide	WAGEN*FESTLAGER*ECKIG	2 pcs	
2514999	Guide	WAGEN*LOSLAGER*ECKIG	2 pcs	
2532976	Pneumatic cylinder	1/4*40*900*RTC-BV	1 pcs	
2578696	Guide	SCHIENE*DRY-LIN W*ECKIG	2 pcs	
28870411211800	Buffer	GUMMI-METALL*M6*57SH	4 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

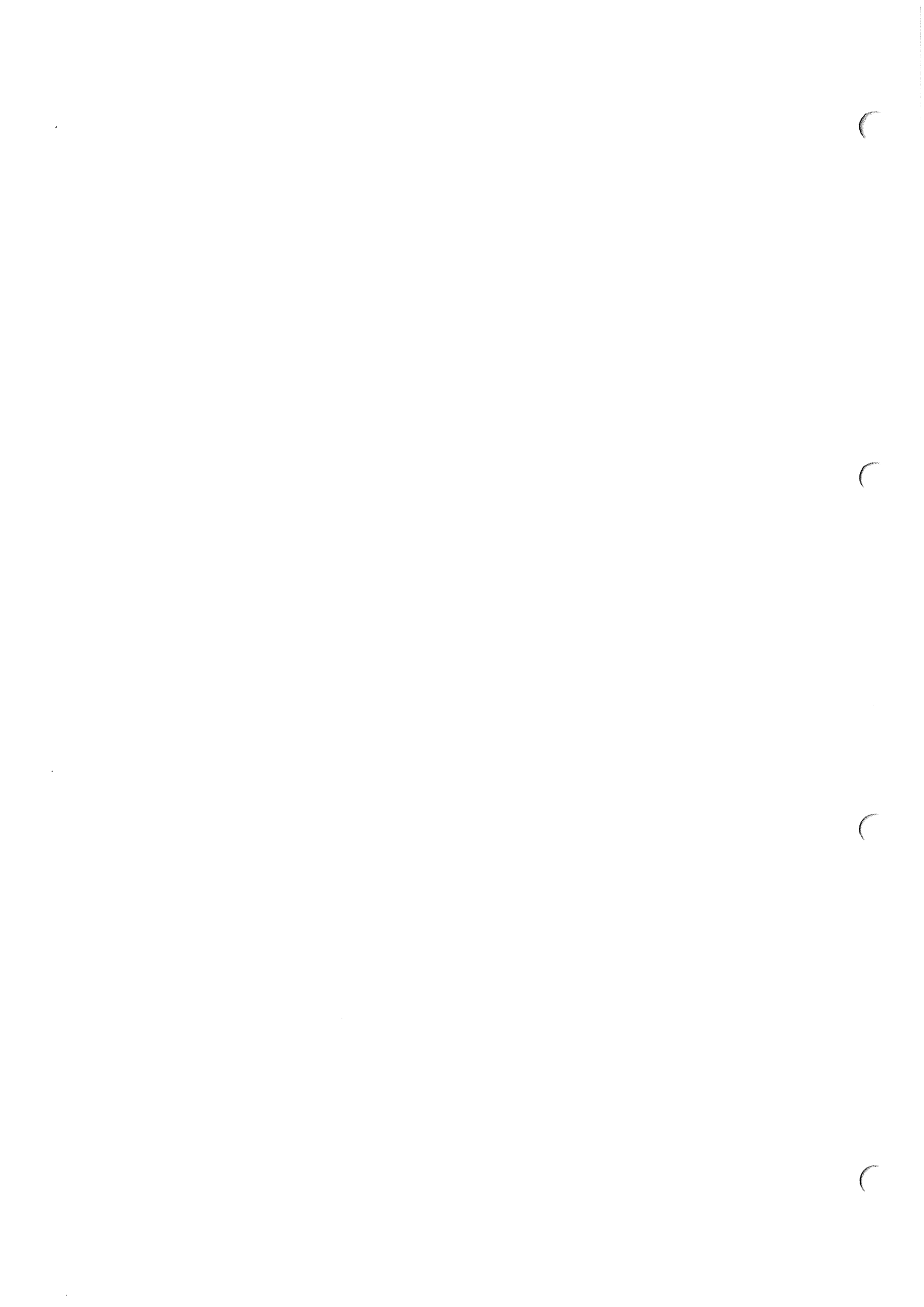
Main assembly			
Assembly			
Part Id.	Designation	Spezifikation	Quantity
2642361	add-on components	KABINE*DMU50*SW*RE	
2642361	add-on components	KABINE*DMU50*SW*RE	
2334582	Safety screw	M6*12*HR-KOPF	4 pcs
2580140	power track chain	Z08.40.028/080.40PZ	1 pcs
2731521	Cable tray	WDK*KAN*30*30*WS	1,6 m
2643358	Add-on set	EL+ME*DEKORPROFILE	
2502241	Profile rail	CI-KLAM*19x1,5	1 pcs
2643030	add-on set	FBA*U.DACH*IKZ*DMU50	
2643030	add-on set	FBA*U.DACH*IKZ*DMU50	
27065835	plastic hose	12*21*RAUFI	2 m
2643355	add-on components	ELEKTRIK*GIFU	
2603326	extension arm	KOMMANDOSTATION	
14083097	bush	70*50*40*90	1 st
2643355	add-on components	ELEKTRIK*GIFU	
2328852	actuator	GERADE*S-GT-LN	1 pcs
2329459	actuator	RADIUSB.-S-LR-LN	1 pcs
2547955	Signal device	EINSP.RGB*8V*DC	1 pcs
2565263	Safety switch	STP3D*SM8*24V*24V	1 pcs
26050626	Washer	10*5.3*1*B*125*ST-BR	6 st
26051278	Washer	30*17*3*B*125*ST-BR	2 st
27077921	Buffer	CUPMOUNT*C2060*M12*55SH	2 st
2727052	Cable tray	WDK*KAN*25*25	,4 m
2646854	Pan	WZM*GIFU*KPLT	
2514994	Guide	WAGEN*FESTLAGER*ECKIG	2 pcs
2585672	Guide	SCHIENE*DRY-LIN W*ECKIG	1 pcs
2731607	Washer	B5.3*DIN125-ST-VZ	1 st
2734354	seal profile	209-0206.07-07102	1 m
2643357	add-on components	WZM*60WZ*GIFU*DMU50	
2627899	Terminal box	WZM*GIFU	
26050626	Washer	10*5.3*1*B*125*ST-BR	4 st
27066102	wire	H05 V-K*0.75*BL RAL5010	4 m
27066399	multicore cable	0,75/8*ISOLIERT	36 st
27082574	PUSHBOTTON	SCHWARZ*3SB30 00-	3 st
27082580	Switch element	1S*3SB3400-0B*SC	6 st
2636034	connection line	SICHERHEITSSCHALT.	
2433887	Switch	STPA3D-2131A024MC1743	1 st
27059739	rubber nozzle	3.0*0.6*25*3-6	2 st
27066399	multicore cable	0,75/8*ISOLIERT	8 st
2643357	add-on components	WZM*60WZ*GIFU*DMU50	
2362632	Hexagon countersunk head screw	M5*10*10642*SW*10.9	8 pcs
2640981	thrust pad	FED*GN611-M12-10-L	2 pcs
27078080	plastic pipe	8*1*1820 712 0	3 m
2690596	connection line	BEDIENFELD MAGAZIN	
27066399	multicore cable	0,75/8*ISOLIERT	15 st



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly			
Assembly			
Part Id.	Designation	Spezifikation	Quantity
2643418	Tool measurement	TT140*GIFU	
2520319	Measuring sensor	TT140*0,5m Kabel	
2570295	Pin	MESSTASTER*TT140	1 pcs
2643418	Tool measurement	TT140*GIFU	
2520319	Measuring sensor	TT140*0,5m Kabel	1 pcs
27078080	plastic pipe	8*1*1820 712 0	5 m
27094002	Screw connection pneumatic	8*G1/8*1823 373 044	1 st
2644420	Completion	TRENNWAND*HSK63	
2644420	Completion	TRENNWAND*HSK63	
27066591	Buffer	D18x7,5 M6x16 NR 65SH	1 st
2644502	Partition wall	MIT*RUESTHILFE	
2626741	Linear guide	30*K*K*1*230/1*I*s*h	
2626743		30*K*I*k*h	1 pcs
2626745	Linear guiding rail	30*K*K*230	1 pcs
2644451	Device	WERKZEUGENTNAHME	
024400508	Buffer	D20x15*M6x18*NK57ShA	2 st
2362632	Hexagon countersunk head screw	M5*10*10642*SW*10.9	2 pcs
2626741	Linear guide	30*K*K*1*230/1*I*s*h	1 pcs
27074468	cam roller	KRV 16 PP*D16*INA	1 st
2644502	Partition wall	MIT*RUESTHILFE	
27063622	edge protection	PROFIL*ÖLBEST.NBR	,73 m
2651479	Add-on set	EL+ME*WZM*WZ-KLAPPE	
2535021	throttle return valve	AS2*201F-01-06S	2 pcs
2570485	Sensor	BESM12ME-PSC40B-S04G	2 pcs
2604809	Pneumatic cylinder	C85N25-150C	1 pcs



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation	Quantity	
2694082	Hydraulic workpiece clamping	1P*1SPST*MAN		
2598972	Valve block	SPANNH.*4/3*NG6		
2301045	Return valve	NBVP16*EINSTECK	1 pcs	
2453153	Screw connection hydraulic	GE*8*LR-1/8*ED OMD	2 st	
2599030	pressure switch	0-250*DG 62	2 pcs	
26200126	O-RING	9.25*1.78	4 st	
2599009	Valve block	DRUCKREGELV.*NG6		
26200126	O-RING	9.25*1.78	4 st	
2669407	Manometer	0-250*1/4"	1 pcs	
2600123	connecting block	AS 1F3 V/350*HAWE		
2461758	Valve	WEGESITZ*EM21S	1 st	
2522305	Valve	MVF 4 B	1 st	
2600116	Filter cartridge	0.01*Rücklauf	1 st	
2653626	Hydraulical unit	HKF489*1PUMPE		
2301045	Return valve	NBVP16*EINSTECK	1 pcs	
2461758	Valve	WEGESITZ*EM21S	1 st	
2522305	Valve	MVF 4 B	1 st	
2599030	pressure switch	0-250*DG 62	2 pcs	
2600116	Filter cartridge	0.01*Rücklauf	1 st	
2600123	connecting block	AS 1F3 V/350*HAWE	1 pcs	
2600849	end cover plate	8W	1 st	
2644944	Hydraulic accumulator	SBO330-0,6E1	1 pcs	
6002813	Return valve	RK 1 3012 8006-00	1 st	
2694082	Hydraulic workpiece clamping	1P*1SPST*MAN		
2279866	Plug	D48*GPN300F33	1 st	
2426676	Filter element	0.1*HFE 1/4 F	2 st	
2451556	pressure switch	0-400*EDS3000*DM	1 st	
27058652	Screw connection hydraulic	RI*3/8*ED*1/4	2 st	
27067392	Screw connection hydraulic	VSTI*R 1/2 ED	1 st	
27082651	Screw connection hydraulic	GE*8*LR*1/4 ED OMD	2 st	
82136749	H-LTG-DIN	8LX8LX5070X6X1	2 st	
82136749		8LX8LX5070X6X1		
27072056	PIPE SOCKET	6 RS 8*TECALEMIT	4 st	



Spareparts list

Machine 11415574034 Project 113022 DMU 50/S 840D-SL/Bosch Rexroth

Main assembly				
Assembly				
Part Id.	Designation	Spezifikation		Quantity
2694432	Add-on set	EL*HYDR-WST-SP*1KR		
2558850	connection line	MOTOR*1,5M		
059520029	Cable shoe	RING*0,25-1,5*M4		4 st
27059871	PLUG INERT	09 20 003 2611*		1 st
2591140	Plate	SPANNEN*LOESEN*22*11		
2528531	label	22x11x0.8*SILBER		1 pcs
2668266	connection line	SPANNHYDR*VERTEILER		
2449698	Plug housing	16B*TUELLE*L-BUEG		1 st
2564145	Distributor el.	8-FACH*4-POL*5M		2 pcs
27059870	PLUG SOCKET INSERT	09 20 003 27		1 st
2694432	Add-on set	EL*HYDR-WST-SP*1KR		
2385017	Line safety switch	5SY*B*6A*1		1 pcs
2404446	connection line	M12,4POL.BU*5M		1 st
2410064	connection line	M12-M12*4p.*DESINA		1 st
2525662	label	RAFIX16*37.5x25.0		1 pcs
27066102	wire	H05 V-K*0.75*BL RAL5010		30 m
27066399	multicore cable	0,75/8*ISOLIERT		30 st
27077645	AUXILIARY SWITCH	3RV19 01-1D*SIEM		1 st
2694697	Add-on set	ME*HY-ANSCHL*DMU50		
2694697	Add-on set	ME*HY-ANSCHL*DMU50		
2731665	Screw connection hydraulic	GZR06L/06SA3C		2 st







10

10	Inform. concerning third party documentation	10-3
-----------	---	-------------

10 Inform. concerning third party documentation

11

12

12	Special versions.....	12-3
-----------	------------------------------	-------------

