

Floor saw

FS 175



ZN der Bedienungsanleitung:
Erstellt am:
Erstellt von:
Datei:

5007287-00
03 / 2014
Sabrina Linden
K:\KDV\5007xxx\5007287-Bedienungsanleitung\
5007287-00-Bedienungsanleitung-E.doc

GÖLZ® GmbH
Dommersbach 51
D-53940 Hellenthal
Telefon: +49 (0) 2482 12 200 / Telefax: +49 (0) 2482 12 222
E-Mail: info@goelz.de / Internet: www.goelz.de

FS175

Translation of the original operating instruction and spare parts list



All rights reserved according to DIN ISO 16016.

No part of this document (instruction manual and spare parts list) may be reproduced, adapted, transmitted, transcribed, stored on a data medium or be translated into another language without prior written approval of

GÖLZ® GmbH
Dommersbach 51
D-53940 Hellenthal

Guarantee

We reserve the right to amend any information included in this document (manual instruction and spare parts list) at any time and without prior notice.

GÖLZ® assumes no warranty for these documents.

GÖLZ® shall not be liable for errors in this document (manual instruction and spare parts list) or for any collateral or consequential damage in connection with shipment, performance or use of the material.

EC-DECLARATION OF CONFORMITY

Manufacturer

GÖLZ® GmbH
Dommersbach 51, D-53940 Hellenthal
Tel.: +49 (0) 2482 12 200 / Fax: +49 (0) 2482 12 222

Declare hereby certifies on its sole responsibility that the following product:

FS 175
Floor saw

Serial number: _____

which is explicitly referred to by this declaration meet the following directives:

2006/42/EC	Safety and health requirement
2004/108/EC	Electromagnetic compatibility
97/68/EG i.d.F. 2002/88/EC	Exhaust emission directive
2000/14/EC	Noise emission

meet the following standards:**EN 12100-1 / EN 12100-2 , EN 13862:2001, EN 13309:2000, EN 61000, DIN EN ISO 3744-1995**

Documented evidence conforming to the requirements of the directives is kept available for inspection at the above manufacturer's address.



Hellenthal, den 13.03.2014

General Manager
B. Schmitz

Contents

Preface.....7

Warning signs and symbols7

1. Machine description8

1.1 Intended use-description 8

1.2 Technical data 8

1.3 Shipment and provided accessory 9

1.4 Main parts..... 9

1.5 Safety devices 10

2. Basic safety instructions 11

2.1 Intended use..... 11

2.2 Operating range 11

2.3 Organisational measures..... 11

2.4 Selection and qualification of person 13

2.5 Safety instructions governing specific operational phases 13

2.6 Special work related to the maintenance and repair of the machine 14

2.7 Information about special risks with electrical energy 14

2.8 Gas, dust, steam, smoke 15

2.9 Noise 15

2.10 Illumination 15

2.11 Oils, greases and other chemical substances..... 16

2.12 Transport..... 16

2.13 Store..... 17

3. Preparing for Operation 18

3.1 Export checking..... 18

3.2 Installation 18

3.3 Blade 18

3.3.1 Mounting the blade19

3.4 Water supply 19

4. Operation.....21

4.1 Before starting the machine 21

4.2 Starting the machine..... 22

4.3 Cutting operation 22

4.4 Stop cutting operation..... 23

4.5 Changing the blade 23

5. Maintenance.....24

5.1 General 24

5.2	Lubricating chart	24
5.3	Poly-V belt	24
5.4	Machine	25
5.5	Blade	25
6.	Taper bushes installation instructions	26
6.1	To assemble	26
6.2	Removal	26
7.	Troubleshooting	27
8.	Spare parts list	28
8.1	Using the spare parts list	28
8.1.1	Safety regulation	28
8.1.2	Ordering information	28
8.1.3	Distribution agencies	29
8.2	Wearing parts	30
9.	Exploded view and spare parts list	31
9.1	Undercarriage	31
9.2	Push bow	33
9.3	Shaft	37
9.4	Shaft support	39
9.5	Water tank 30L	40
9.6	Blade guard / Water supply	41
9.6.1	Blade guard	43
9.7	Engine	45
9.8	Pointer unit	49

Preface

Thanks for choosing a **GÖLZ**[®]-product. This operating instruction is designed to familiarize the user with the machine and its designated use.

The operating instruction contains important information on how to operate the machine safely, properly and most efficiently. Observing these instructions helps to avoid danger, to reduce repair costs and downtimes and to increase the reliability and life of the machine. The operating instruction is to be supplemented by the respective national rules and regulations for accident prevention and environmental protection. The operating instruction must always be available wherever the machine is in use. This operating instruction must be read and applied by any person in charge of work with or on the machine, such as:

- Operation including setting up, troubleshooting in the course of work, evacuation care and disposal of fuels and consumables.
- Maintenance (servicing, inspection, repair) and/or
- Transport

In addition to the operating instructions and to the mandatory rules and regulations for accident prevention and environment protection of the country and place of use of the machine, the generally recognized technical rules for safe and proper working conditions and procedures must also be observed.

In dieser vorliegenden Bedienungsanleitung sind alle für den bestimmungsgemäßen Einsatz notwendigen Informationen enthalten. Sollten dennoch spezielle Fragen auftauchen, so wenden Sie sich bitte an ihre Vertretung, an einen unserer Außendienstmitarbeiter oder direkt an uns:

GÖLZ[®] GmbH

Dommersbach 51, D-53940 Hellenthal

Telefon: +49 (0) 2482 12 200 / Telefax: +49 (0) 2482 12 222

E-Mail: info@goelz.de / Internet: www.goelz.de

Warning signs and symbols



Wear safety glasses!



Wear ear muffs!



Wear hard hat!



Wear safety boots!



Wear safety clothes!



Wear dust protection!



Wear protective gloves!



Read owner's manual before first initiation!



Never touch!



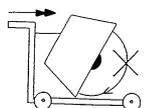
Important advice!



General danger!



Danger exists to cut oneself!



It is not allowed to move the machine with rotating blade outside of the area in which cutting works have to be performed!

1. Machine description

1.1 Intended use-description

The FS 175 is a floor saw with a cutting depth of up to 165 mm.

Its operating range includes the concrete and asphalt road construction, but mainly for transverse, longitudinal and expansion joints.

Operate the machine only using tools in accordance with the manufacturer's instruction. Using other tools is considered contrary to its designated use. The manufacturer cannot be held liable for any damage resulting from such use. The risk of such misuse lies entirely with the user. Der FS 175 is equipped with a petrol engine Honda GX390 and should be operated with the fuel specified by the manufacturer.



Information: Unconditional observe the owner's manual of the engine manufacturer, which is added!

1.2 Technical data

Max. cutting depth	165 mm - 6.5 in.
Max. blade-Ø	450 mm - 17.7 in.
Flange size	Ø 100 mm - 3.9 in.
Blade shaft size	Ø 25,4 mm - 1 in.
Engine	Gasoline engine HONDA GX390 8,7kW (11,8 PS)
Max. cutting speed with blade	63,5 m/s
Engine shaft speed	3600 min ⁻¹
Blade shaft speed	2691 min ⁻¹
Feed	manual
Excavation	Manual with foot pedal
Cutting depth control	Scale on frame
Water supply	30l Water tank, for dry cutting blades Connection for external water supply wet cutting diamond blades
Poly-V-belt tension	manual
Dimensions (L x W x H)	approx. 588 x 910 x 1009 mm - 23.1 x 35.8 x 39.7 in.
Weight (without water tank and blade)	approx. 86 kg - 189.6 lbs.
Sound power level after DIN ISO 6393	No load = 104 dB(A) Full load = 114 dB(A)
Sound pressure level after DIN ISO 6393	No load = 88 dB(A) Full load = 98 dB(A)
Vibration ISO 5349 VDMA 03/2006	a = 4,5 m/s ²

1.3 Shipment and provided accessory

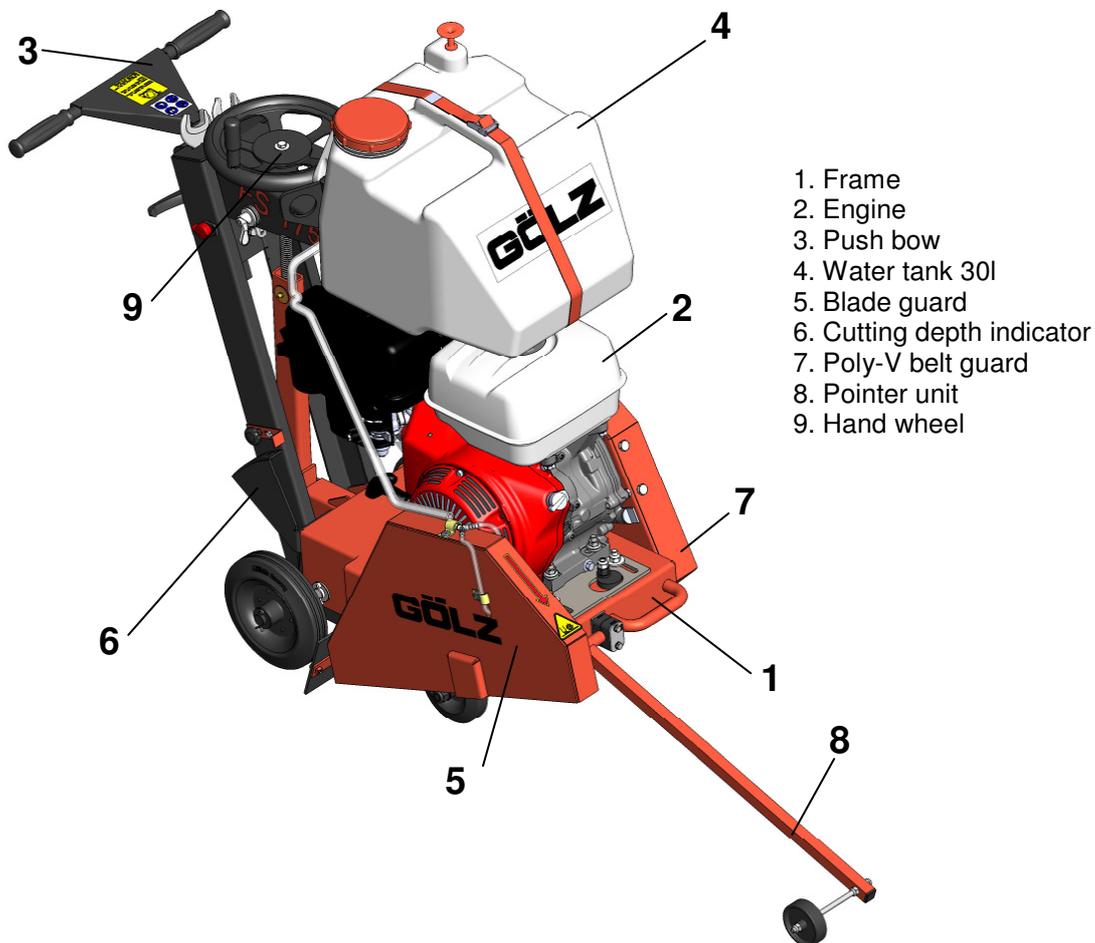
- Floor saw FS175 without blade
- Wrench SW 17, SW 30 and SW 32
- Operating instruction and spare parts list floor saw
- Operating instruction engine

For the item number of accessories, please refer to the current catalogue of **GÖLZ®**

If accessories are used which do not correspond to **GÖLZ®** specifications, no liability is assumed for any damage resulting hereof.

For details regarding the selection of the right **GÖLZ®** diamond blades, please refer to the current **GÖLZ®** catalogue for diamond tools.

1.4 Main parts



The base frame (1) is the basis for the floor saw. All other components are built on the base frame.

The floor saw FS 175 is equipped with a petrol engine of Honda (2). For any other information, please refer to the attached operating manual of the engine manufacturer.

The height adjustable push bar (3) allows a non-fatiguing working.

In order to allow dust formation during cutting respectively cooling of the cutter blade, the floor saw is equipped with a pluggable water tank (4). There is also the possibility to cool directly by means of the water supply network respectively to bind the dust.

The cutting disc guard (5) provides the operator and the persons in his working area with optimum protection during the cutting process.

By means of the convenient cutting depth setting (6), the operator can read, at any time, the cutting depth.

The rib drive is protected by a protective hood (7). Thus, the risk of injury is reduced by the rib drive.

Furthermore, the rib drive is also protected from impurity during the cutting process.

The route indicator (8) allows precise cuts.

Thanks to the direction indicator the operator can monitor and respect the cutting direction.

Der Aushub des Sägeblattes erfolgt beim FS175 über ein Handrad (9) welches mit einer Trapezspindel verbunden ist.

The digging of the blade is using by a hand wheel (9) which is connected with a trapezoidal spindle.

1.5 Safety devices



Danger: During cutting or displacing the machine, all safety devices shown below must be mounted!



2. Basic safety instructions

In this manual the following terms and symbols are used for particular important information:

	<i>Note / Important: Contains important information which stands out from the other text!</i>
	<i>Attention: Contains instructions which must be strictly observed to prevent damage from the unit and the operator!</i>

Important text passages are highlighted in italics or bold or can be found in a grey highlighted text field.

2.1 Intended use

The machine has been built in accordance with state-of-the-art standards and the recognized safety rules. Nevertheless, its use may constitute a risk to life and limb of the user or of third parties, or cause damage to the machine and to other material property.

The machine must only be used in technical perfect condition in accordance with its designated use and the instructions set out in the operating manual, and only by safety-conscious persons who are fully aware of the risks involved in operating the machine. Any functional disorders, especially those affecting the safety of the machine, should therefore be rectified immediately!

The machine is designed exclusively for cutting in concrete, reinforced concrete, natural stone, cast stone and brickwork. Using the machine for purposes other than mentioned above (such as cutting in wood and so on) is considered contrary to its designated use. The **GÖLZ® GmbH** cannot be held liable for any damage resulting from such use. The risk of such misuse lies entirely with the user.

Only use gear drives and motors, which are provided by **GÖLZ® GmbH**. Also attend those operating manuals.

Operating the machine within the limits of its designated use also involves observing the instructions set out in the operating manual and complying with the inspection and maintenance directives

	<i>Attention: Read and observe all the operating instructions which belong to this unit!</i>
---	---

2.2 Operating range

Do not modify, add components to or retrofit the unit in a way which could affect its safety and do not use non-official accessories! This is not allowed without prior approval of **GÖLZ® GmbH**!

2.3 Organisational measures

This operating manual must always be at hand at the place of use of the machine and must be accessible to the person operating the machine!

In addition to this operating manual, all other generally applicable legal and other mandatory regulations relevant to accident prevention and environmental protection must be observed! Such obligations may also comprise the handling of hazardous materials, provisioning and/ or wearing of personal protective equipment, or road traffic regulations.

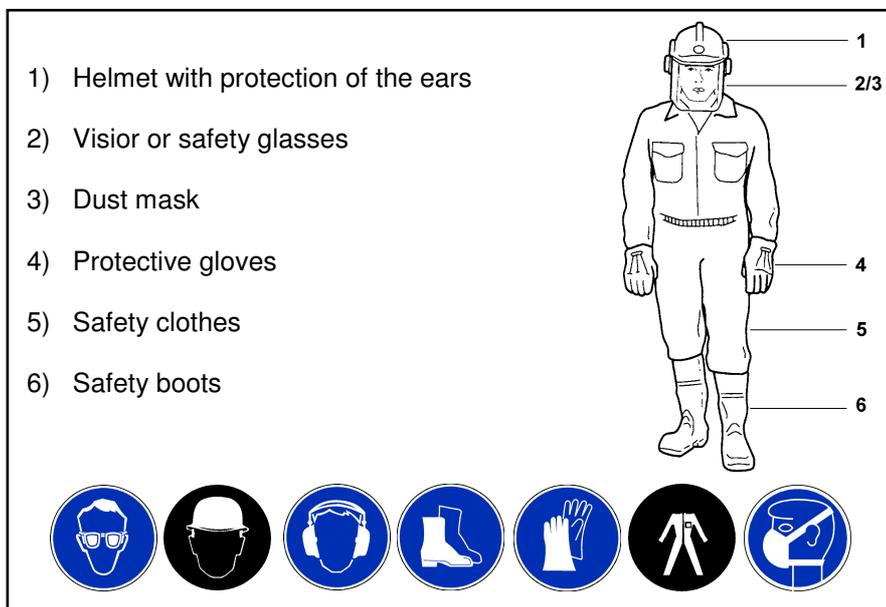
This operating manual must be supplemented by instructions covering the duties involved in supervising and notifying special organizational features, such as job organization, work flows or the person entrusted with the work. Person entrusted with work on the machine must have read the operating manual prior to taking up work. This applies especially to persons working only occasionally on the machine, e.g. during set-up or maintenance activities.

Check - at least from time to time - whether the personnel is carrying out the work in compliance with the operating manual and paying attention to risks and safety-relevant factors.

For reasons of safety, long hair must be tied back or otherwise secured, garments must be close-fitting and no jewellery - including rings - may be worn.

Severe injury may result from being caught by moving parts of the machine. Personal protective equipment must be used wherever required by the circumstances or by law (e.g. safety glasses, ear protectors, safety boots, suitable safety clothing). Observe the regulations for prevention of accidents! Observe all safety precautions and warnings attached to the machine and always keep them in good and perfectly legible condition.

The personal protection equipment should consist of the following parts:



In case event of safety-relevant modifications or changes in the behaviour of the machine, stop the machine immediately and report the malfunction to the competent authority/ person. Do not remove or make inoperative any safety devices the machine is equipped with.

Never make any modifications, additions or conversions which might affect safety without **GÖLZ® GmbH** prior approval! This also applies to the installation and adjustment of safety devices as well as to welding and cutting work on supporting structures.

Damaged or worn parts of the product must be replaced immediately. Use genuine spare parts only.

All spare parts and tools must comply with the technical requirements specified by the manufacturer/distributor. Adhere to the legally prescribed preventive maintenance and inspection intervals or those specified in this operating manual!

Hydraulic hose pipes must be changed within the specified or appropriate intervals, even if no safety-relevant defects are visible.

All maintenance and repair activities must be performed by qualified personnel using suitable tools and other suitable workshop equipment. Observe the fire alarm and fire fighting measures. The personnel must be made familiar with the location and handling of fire extinguishers!

2.4 Selection and qualification of person

Only permitted personnel is allowed to work on and with the machine! The legal minimum age is to be observed!

Only assign trained and instructed personnel! Clearly define the responsibilities of the personnel with regard to operating, setting-up, maintaining and repairing the machine! The **GÖLZ® GmbH** can assist you in training your personnel.

Make sure that only instructed and competent personnel works on the machine. Define the responsibility of the machine operator, also in terms of traffic regulations and enable him to refuse instructions of third parties which breach safety regulations.

Personnel that is to be trained or to be instructed or that is serving a general training is only to be permitted to operate the machine under the supervision of an experienced person.

To operate the machine you must be rested, in good physical condition and mental health. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating with the machine. Do not operate the machine if you are under the influence of any substance (drugs, alcohol) which might impair vision, dexterity or judgment.

Works on electrical, pneumatic, combustion and hydraulic fittings and equipment are only to be carried out by qualified personnel or instructed people being directed and supervised by qualified personnel in compliance with the respective rules!

2.5 Safety instructions governing specific operational phases

Before work

Avoid any operational mode that might be prejudicial to safety!

Before beginning work, familiarize yourself with the surroundings and circumstances of the site, such as obstacles in the working and travelling area, the soil bearing capacity and any barriers separating the construction site from public roads.

Take the necessary precautions to ensure that the machine is used only when in a safe and reliable state. Operate the machine only if all protective and safety-oriented devices, such as removable safety devices, emergency shut-off equipment, sound-proofing elements and exhausters, are in place and fully functional.

Regard all safety specifications!

Check the machine at least once per working shift for obvious damage and defects. Report any changes (incl. changes in the machine's working behaviour) to the competent organization/ person immediately. If necessary, stop the machine immediately and lock it. Have any defects rectified immediately. At any time, ensure the operator has sufficient view to his working area, in order to have intervention to the working process.

Wet cutting is to be accomplished while working. This prevents the appearance of particulate matter and increases the life-time of the diamond tool. During start-up and shut-down procedures always watch the indicators in accordance with the operating instructions!

Before starting or setting the machine in motion, make sure that nobody is at risk. Keep children and unauthorized persons away from the work area.

Noise protection equipment on the unit must be in protective position during operation. Wear the required individual ear protection!

Always keep at a distance from the edges of building pits and slopes. Avoid any operation that might be a risk to machine stability! Keep the work area clean. Cluttered areas and benches invite injuries! Do not operate when you are tired! Watch what you are doing! Risk of stumbling! Cables and hoses must complete rolling up. After assembly do not leave any tools, a wrench for example, on the unit.

Check to see that the tools are removed from the machine before operating! Damaged blades have to be changed immediately. Use only recommended blades from the **GÖLZ® GmbH**.

Control the working area for water-, gas- and electrical lines!



Important: Wet cutting is to be accomplished while working! This prevents the appearance of particulate matter and increases the life-time of the diamond tool!

During work

Make sure, that the machine is well fastened before and while cutting!
Never touch rotating parts like blade shaft or blade!

After work

Before leaving the machine always secure it against unauthorized use!

2.6 Special work related to the maintenance and repair of the machine

Observe the adjustment, maintenance and inspection activities and intervals set out in the operating instructions, including information on the replacement of parts and equipment! These activities may be executed by skilled personnel only.

Brief operating personnel before beginning special operations or maintenance work, and appoint a person to supervise the activities.

In any work concerning the operation, conversion or adjustment of the machine and its safety-oriented devices or any work related to maintenance, inspection and repair, always observe the start-up and shut-down procedures described in the operating instructions and the information on maintenance work. Ensure that the maintenance area is adequately secured.

Carry out maintenance and repair work only if the machine is positioned on stable and level ground and has been secured against inadvertent movement and buckling. If the machine is completely shut down for maintenance and repair work, it must be secured against inadvertent starting.

To avoid the risk of accidents, individual parts and large assemblies being moved for replacement purposes should be carefully attached to lifting tackle and secured. Use only suitable and technically perfect lifting gear and suspension systems with adequate lifting capacity. Never work or stand under suspended loads.

The fastening of loads and the instructing of crane operators should be entrusted to experienced persons only. The marshaller giving the instructions must be within sight or sound of the operator.

For carrying out overhead assembly work always use specially designed or otherwise safety-oriented ladders and working platforms. Never use machine parts as a climbing aid. Wear safety harness when carrying out maintenance work at greater heights.

Clean the machine, especially connections and threaded unions, of any traces of oil, fuel or preservatives before carrying out maintenance / repair. Never use aggressive detergents. Use lint-free cleaning rags.

Before cleaning the machine with water, steam jet or detergents, cover or tape up all openings which -for safety and functional reasons - must be protected against water, steam or detergent penetration.

Do not clean the machine with a high-pressure cleaner. The hard water jet can put damage to parts of the machine. After cleaning, remove all covers and tapes applied for that purpose.

After cleaning check the machine for loose connections, chafe marks and damage! Have identified defects repaired immediately!

Always tighten any screwed connections that have been loosened during maintenance and repair.

Any safety devices removed for set-up, maintenance or repair purposes must be refitted and checked immediately upon completion of the maintenance and repair work. Ensure that all consumables and replaced parts are disposed of safely and with minimum environmental impact.

2.7 Information about special risks with electrical energy

Observe the relevant national regulations or standards. Electrical connections must always be kept free from dirt and moisture.

Use only original fuses with the specified rating! Switch off the machine immediately, if trouble occurs in the electric power supply!

If your machine comes into contact with a live wire:

- warn others against approaching and touching the machine
- have the live wire de-energized

When working with the machine, maintain a safe distance from overhead electric lines. If work is to be carried out close to overhead lines, the working equipment must be kept well away from them. **Caution, danger to life!**

- Check out the prescribed safety distances.
- Work on the electrical system or equipment may only be carried out by a skilled electrician himself or by specially instructed personnel under the control and supervision of such electrician and in accordance with the applicable engineering rules.
- If provided for in the regulations, the power supply to parts of machines and plants, on which inspection, maintenance and repair work is to be carried out must be cut off.
- Before starting work, check the de-energized parts for the presence of power and ground or short-circuit them in addition to insulating adjacent live parts and elements.

The electrical equipment of machines is to be inspected and checked at regular intervals. Defects such as loose connections or scorched cables must be rectified immediately.

Necessary work on live parts and elements must be carried out only in the presence of a second person who can cut off the power supply in case of danger by actuating the emergency shut-off or main power switch. Secure the working area with a red-and white safety chain and a warning sign. Use insulated tools only.

If mobile electrical equipment, connecting cables and/ or extension/ appliance cords with plug connectors are used, ensure that such equipment, cables and cords are checked for correct function at least once every six months by a qualified electrician or - if suitable testing equipment is available - by a properly instructed person.

Protective installations with fault-current protection units used in non-stationary equipment must be checked for correct operation at least once a month by a properly instructed person.

Fault-current and fault-voltage protection units must be checked for correct operation by actuating the testing facility:

- once on every working day in the case of mobile equipment,
- at least once every six months in the case of stationary equipment.

2.8 Gas, dust, steam, smoke

Operate combustion engines only in well-ventilated rooms! Before starting the unit in closed rooms, make sure that the room is sufficiently ventilated and use the exhaust gas hose!

Welding, burning and grinding operations on the machine are only to be carried out if this is explicitly authorized (there is the danger of fire and explosion)!

Before welding, burning and grinding operations clean the machine and its surrounding area from dust and flammable substances and care for sufficient ventilation (danger of explosion)!

When working in confined spaces observe any existing national regulations!

2.9 Noise

During operation sound protection devices on the machine must be in safe position. Wear the prescribed personal ear protection! (UVV 29 § 10, Article 29 of the Accident Prevention regulations).

The use of noise emitting machines may be restricted to certain times by national or local regulations.

2.10 Illumination

The machine is designed for use in daylight! The machine operator / owner must ensure sufficient workplace lighting for non-illuminated work sites!

2.11 Oils, greases and other chemical substances

When handling hydraulic fluids, lubricants, greases or preservatives (referred to hereinafter as fuels and lubricants), the safety regulations which apply to the respective machine are to be observed!

Avoid long contact of the fuels and lubricants with your skin! Careful cleaning of the skin from adhering fuels and lubricants is necessary.

Be careful when handling hot consumables (risk of burning or scalding) particularly at liquid temperatures above 60°C, avoid any skin contact with these liquids!

If you get fuels or lubricants in your eyes, rinse them immediately and carefully with potable water. Then consult a doctor.

Remove flown out fuels and lubricants immediately! Therefore use a binder.

Fuels and lubricants must not seep into the soil or into the public sewage system! Fuels and lubricants which can no longer be used are to be collected, properly stored and to be properly disposed of.

The respective regulations and laws for handling fuels and lubricants which are valid in the country of use are to be observed and adhered to. This also applies to the disposal of such fuels and lubricants. To inform yourself turn to the responsible authorities.

2.12 Transport

Use only suitable means of transport and lifting gear of sufficient capacity when loading or transporting the machine! Appoint an experienced instructor for the lifting operation!

Always observe the instructions given in the operating manual when lifting the machine (use only the prescribed lifting eyes for attaching the lifting gear)!

Use only suitable transport vehicles with sufficient load capacity! Secure the load carefully. Use suitable fastening points for securing!

Before loading the machine or parts of it, secure the machine against inadvertent movement! Attach a suitable warning sign!

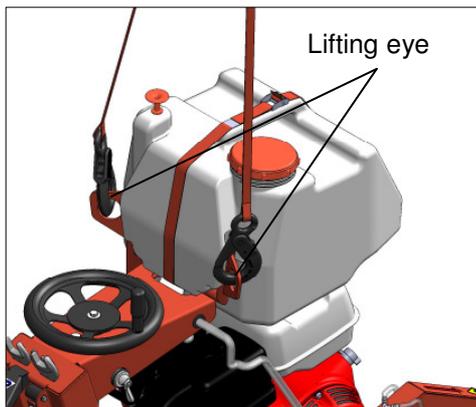
The blade must be removed for transport. Even in case of a minor change of location, the engine must be stopped!

Before using the machine again, make sure that such protection material or devices are properly removed!

Parts which had to be removed for transporting of the machine must be refitted and secured carefully before the machine is used again!

Before setting the machine in motion always check that all accessories are safely stowed.

The recommissioning procedure must be strictly in accordance with the operating instruction! Observe the instructions given in the operating instruction when reassembling and operating the machine.



	<p>Attention: Check that all parts of the machine are well fastened before transporting. Before transporting the blade must be removed!</p> <p>For loading, only use lifting gear and tackle of sufficient capacity. Lift the machine using the lifting eye.</p>
--	--

	<p>During cuts displace the machine only with non-rotating blade (not running engine)!</p>
--	---



Injury hazard: Down coming parts!

2.13 Store

Store the machine in a dry, high or locked place, out of the reach of children or unauthorized persons. Clean and preserve the machine with corrosion preventive if storing over a longer time like winter time!

Note: Store dismantled blades so, that the blades not exposed to mechanical damages and harmful environmental conditions (UV radiation, temperature, humidity, etc.).



Attention: Store blades just standing or hanging!

3. Preparing for Operation

3.1 Export checking

Remove the transport packaging and dispose of it in an environmentally responsible way. Check the machine for completeness and intactness. For the scope of delivery, see "Scope of delivery and provided accessory"

Secure the machine against accidental start-up and rolling away.



Attention: Read and observe all operating instructions which are relevant for the machine (floor saw, engine ...)!

The machine is supplied with engine oil but without fuel.



Attention: Before starting up, check the engine oil level and fill up the fuel!

3.2 Installation

Place the machine on an even, firm and stable ground. Have the working area well lightened. Keep the working area clean, cluttered areas invite injuries. Operating the machine on enclosed premises, make sure that there is sufficient ventilation. Observe the regulations in force at the respective site.



Note: If the oil level is too low, fill up the engine according to the operating manual of the engine manufacturer! Fill up the fuel for the engine according to the operating manual of the engine manufacturer!

3.3 Blade

The cutting discs must meet the specification of **GÖLZ® GmbH**. Use the corresponding cutting discs depending on the material to be processed, the machining process and the type of work to be performed! When not used properly, no liability is assumed for damages resulting therefrom.

All used cutting discs must be designed, regarding their maximum admissible cutting speed, for the max. drive speed of the machine. For machines with variable drive speed, use cutting discs which, regarding their maximum admissible cutting speed, correspond to the respective maximum drive speed of the machine. Never use faulty or damaged blades. Check the correct rotation of the blade to the spindle shaft!

Check the blade is well fastened before beginning to operate. Defective cutting discs must be replaced immediately!

Cut off the engine or disconnect the power supply before mounting or changing blade. After mounting, do not leave any tools, such as open-end spanners, on the machine.

Use only blades suitable to the blade acceptance (arbor hole, flanges).



Danger: Faulty or damaged blades can cause injuries to the operator and other persons!

i *Information: Wrong rotation of the blade will result in more wear of the blade!*

! *Danger: Wrong rotation of the blade may result in segments cracking off and can cause injuries to the operator or other persons!*

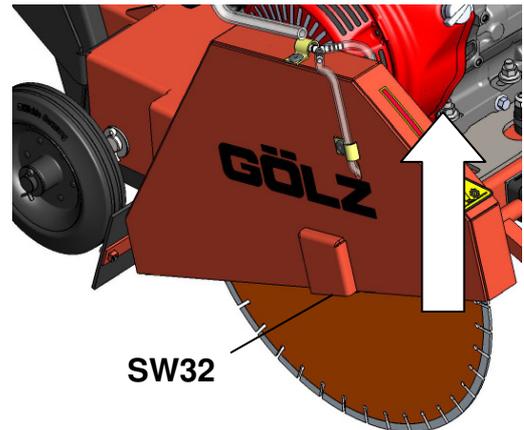
3.3.1 Mounting the blade

Blade mounting:

- Mount the blade to the manufacturer's odds (Observe the min. flange-Ø; use only original screws or nuts).
- Use only blade diameters which are allowed by the manufacturer.

i *Information: Clean all fastening devices of the blade (flanges, thread of the blade shaft, screws and nuts) before mounting the blade!*

Remove the cutting disc guard and unscrew the outer clamping flange SW 32, left-hand thread.
 All clamping surfaces must be clean and undamaged.
 Fit the cutting disc. Pay attention to the correct direction of rotation!
 Observe the direction of rotation arrows on the cutting disc and the cutting disc guard.
 Mount the outer clamping flange again, fit the cutting disc guard and secure it with the screw.



! *Danger: It is not allowed to operate the machine without cutting disc blade guard!*

3.4 Water supply

i *Important: The operation is to be carried out in wet cutting, in order to prevent the occurrence of harmful particulate matter and to increase the lifetime of the cutting tool.*

! *Attention: Tools which are only designed for wet cutting technique, must never be used without water supply! Always make sure that there is enough water supply!*

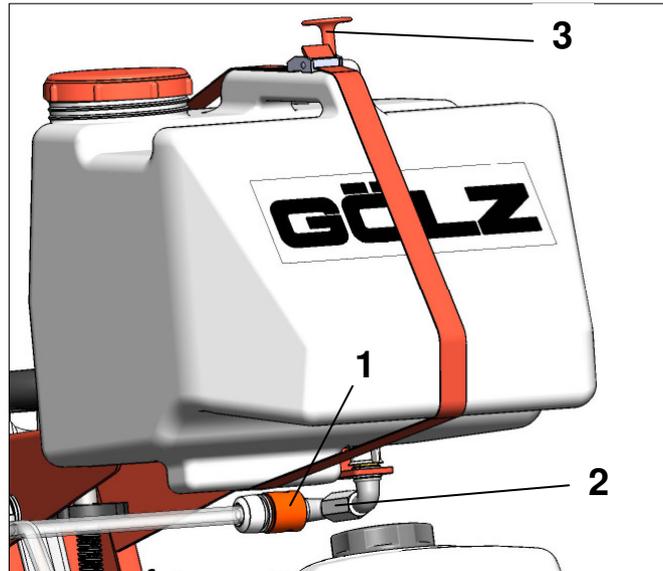
The supply of water at the cut ensures that the tool is cooled, the dust of the material is bound and the cut is rinsed out.



Attention: Use only water for cutting which is free from coarse impurities! Do not use salt water!



Danger: Do not use the attached water tank when cutting with wet cutting diamond blades. The segments may crack off and cause injuries to the operator or bystanders!



Cutting with wet-cutting blades:

Connect the water supply to the GEKA-coupler (1) of the machine. Check the ball valve (2) is closed (ball valve lever in 90°-position to the water flow).

For cutting open the ball valve (2) (ball valve lever in the water flow position).

Cutting with dry-cutting blades:

Fill the water tank with clean water. Connect the GEKA-coupler of the water tank to the GEKA-coupler of the machine. Check the ball valve is closed (ball valve lever in 90°-position to the water flow).

For cutting open the ball valve (ball valve lever in the water flow position) and the valve of the water tank (3).

4. Operation



 **Information: Unconditional observe the owner's manual of the engine manufacturer!**

 **Danger: Never touch rotating parts like blade shaft or blade while operating!**

4.1 Before starting the machine

Check the machine for safe operating condition.

- All components must be properly mounted.
- The functions of the combustion engine must function properly.
- Do not make any changes on operating elements and safety devices.

The machine may only be operated in safe operating condition.

Lock the push bars so that the machine can be operated in a favorable posture.

If work is carried out where harmful or explosive substances, such as dust, sludge occur, observe the applicable national regulations.

If there is a risk that, during the cutting process, material particles are accelerated outwards, wear safety goggles.

 **Danger: Demolition parts can cause injuries to the operator while cutting!**

When travelling on public roads, ways and places always observe the valid traffic regulations and, if necessary, make sure beforehand that the machine is in a condition compatible with these regulations. After operating secure the machine against unintentional moving.

 **Danger: The sound pressure may exceed 85 dB(A)!**

Appropriate to the application of the machine it could be necessary to wear further protective equipment.

 **Danger: Down coming parts at the building site can cause injuries to the operator!**

The working area is reserved only for the operator. Keep unauthorized persons out of the working area. Make sure the operator always has well sight to the working area. He always has to intervene in the working process. Never operate the machine without mounted safety devices.

Careless handling can lead to life-threatening injuries caused by the rotating cutting disc. Only operate the machine with fully mounted blade guard.

Nobody is allowed to remain in the working area nor in the area where falling segments of the cutting disc can be accelerated outwards (minimum safety distance 10m). If this safety distance cannot be respected, the danger zone must be closed or be marked by warning signs.

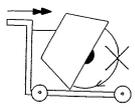
Care for the whereabouts of cooling and rinsing water as well as of cutting sludge.

Cutting sludge must be collected, filtered and disposed of.

4.2 Starting the machine



Danger: As soon as the combustion engine is started, the cutting shaft, respectively the cutting disc, starts rotating too!



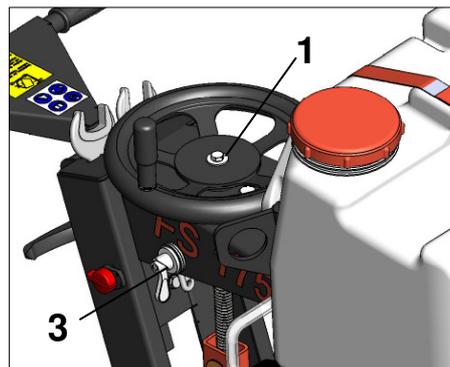
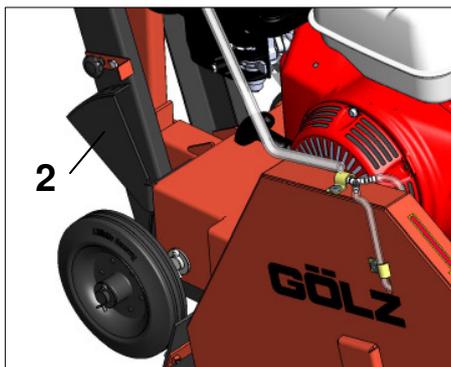
During cuts displace the machine only with non-rotating blade (not running engine)!

Completely rise the machine (blade may have no ground contact). Start the engine as described in the engines manual.

4.3 Cutting operation



Danger: Operating with too high feed the machine might rise out of cut! In emergency situations cut off the engine as described in the engines manual!



Connect the water supply and slowly lower the machine with the hand wheel (1) till the blade has ground contact. Putting down the machine to the desired cutting depth which is displaying on the cutting depth indicator (2).

Before you lower the machine by means of the hand wheel (1), the mini ball valve is to be opened. Lower the machine to such extent that you reach the desired cutting depth (2).

Pull then the indexing plunger (3) on the control panel, so that it snaps into the catch disk in order to fix the desired cutting depth.

Work with even feed pressure. Too high feed pressure leads to overload of the engine, there is a risk that the machine raises. Too low feed pressure polishes the segments and they become blunt.



Attention: In order to avoid damage to the machine and the cutting disc, please observe the maximum cutting depth!



Note: Do not lower the cutting disc forcibly, this could lead to damage to the cutting disc and to the machine.
In order to produce a clean cutting line, do not carry out the entire cutting depth in one cutting process.

4.4 Stop cutting operation

After cutting completely raise the machine and cut off the engine as described in the engines manual.



Danger: Some parts of the combustion engine become very hot during operation, risk of burns!

4.5 Changing the blade

The blade must be changed if:

- the diamond segments of the blade are completely worn
- the material to be cut changes
- the blade turns irregularly
- the diamond segments are damaged or broken

For fitting a new blade, proceed as described in the chapter "Mounting the blade".

5. Maintenance

5.1 General

	Information: Unconditional observe the owner's manual of the engine manufacturer, which is added!
	Information: Clean the machine after every operation. Observe local environmental regulations!
	Attention: When handling oil, grease and other chemical substances, observe the product-related safety regulations!

For maintenance jobs the machine has to be shut down. For maintenance jobs which must be done while the machine is running, the blade has to be dismantled before beginning the job. In accordance to the given cycles, the subsequently described maintenance work has to be enforced. Also the wearing part subject to no certain maintenance-intervals has to be checked regularly for wear and to adjust if necessary or to exchange. With I.C. engines, the maintenance work has to be enforced in accordance with the separate maintenance-instruction of the engine manufacturer.

		Before starting work	After work	Weekly	Yearly	In the event of a malfunction	If damaged
Complete machine	Visual inspection (condition, absence of leaks)	X				X	X
	clean		X				
Flange and blade holder	clean			X			
Poly-V belt	check	X		X		X	X
	replace				X		
Water nozzle and feeding hoses	clean		X				
Tools	check	X				X	
	clean		X				
	replace						X

5.2 Lubricating chart

Grease the blade shaft bearings after 20 working hours with heat resistance fat. From time to time clean the foot pedal, pointer unit and wheels and grease them with some drops of oil.

5.3 Poly-V belt

Unscrew the screws that fix the motor (4x M10x30, DIN EN ISO 4017) and the screw that fixes the eccentric. Move the motor forwards by turning the eccentric counter clockwise. In this position the poly-V belt can be replaced easily.

Stress the poly-V belt by turning eccentric clockwise. To fix the motor, screw down the M10x30 screws.

5.4 Machine

Clean the machine after each duty and check all functions. Replace all necessary parts that are out of order or worn out immediately.

5.5 Blade

When ending a cutting job - check blade as follows:

Check segments for cracks or break-outs, Cracks between segment and core barrel, Deformation and out of round wear.

In case of doubt, send the blade for repair.

6. Taper bushes installation instructions

6.1 To assemble

Clean and de-grease the bore and taper surfaces of the bush and the tapered bore of the pulley. Insert the bush in the pulley hub and line up the holes (half thread holes must line up with half straight holes).

Lightly oil the grub screws or the cap screws and screw them in, do not tighten yet.

Clean and de-grease the shaft. Fit pulley with taper bush on shaft and locate in desired position.

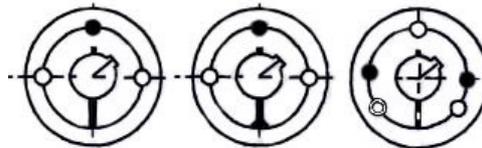
When using a key it should first be fitted in the shaft Keyway. There should be a top clearance between the key and the keyway in the bore.

Using a hexagon socket wrench gradually tighten the grub/cap screws in accordance with the torques as listed in the schedule of screw tightening torques. When the drive has been operating under load for a short period (half to one hour) check and ensure that the screws remain at the appropriate tightening torque. In order to eliminate the ingress of dirt fill all empty holes with grease.

6.2 Removal

Slacken all screws. Depending on the size of the bush remove one or two. After oiling point and thread of grub screws or under head and thread of cap screws, insert them into the jacking off hole(s) in bush.

Tighten screw (s) uniformly and alter neatly until the bush is loose in the hub and pulley is free on the shaft. Remove pulley bush assembly from shaft.



Bush	Screw tightening torques (Nm)	Screw	
		Quantity	Size
1008 1108	5.6	2	1/4" BSW
1310 1315	20	2	3/8" BSW
1210 1215	20	2	3/8" BSW
1610 1615	20	2	3/8" BSW
2012	31	2	7/16" BSW
2517	48	2	1/2" BSW
3020 3030	90	2	5/8" BSW
3535	112	3	1/2" BSW
4040	170	3	5/8" BSW
4545	192	3	3/4" BSW
5050	271	3	7/8" BSW

7. Troubleshooting

	Attention: In the event of changes in the behaviour of the machine during operation, stop the machine immediately and report the malfunction to the competent authority/person!
--	--

Problem	Cause	Remedy		
Engine				
Engine does not start!	Fuel tank empty	Fill up		
	Dirty fuel lines	Clean		
Bad engine performance!	Dirty air cleaner	Clean		
<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"></td> <td>Note: For more fault finding refer the operating instruction of the engine manufacturer which is enclosed!</td> </tr> </table>				Note: For more fault finding refer the operating instruction of the engine manufacturer which is enclosed!
	Note: For more fault finding refer the operating instruction of the engine manufacturer which is enclosed!			
Lowering				
Machine lowers without actuating the foot pedal!	Faulty gas pressure spring	Replace		
Machine does not fully lower!	Undercarriage or gas pressure spring tight	Check undercarriage and gas pressure spring		
Cutting				
Machine rises out of cut!	Dull diamond blade	Sharpen or use softer diamond blade		
	Faulty gas pressure spring	Replace		
	Feed too high	Reduce feed		
Non circular abrasion of the diamond blade!	Damaged centring of the blade shaft	Replace blade shaft		
	Warped blade shaft	Replace		
	Loose or damaged blade shaft bearings	Tighten or replace		
Diamond blade jams in the cut!	No free cut because of sideways wear-out of segments	Replace diamond blade		
	Damaged diamond blade core	Replace diamond blade		
Abnormal wear-out of segments!	Insufficient water flow	Check hoses for fracture free laying		
	Wrong type of diamond blade	Choose different diamond blade		
	Feed too high	Reduce feed		
	Cutting in loose underground	Reduce cutting depth		
Abnormal blade wear out at sides of core!	Insufficient water flow	Check hoses for fracture free laying		
	Cutting in loose underground	Reduce cutting depth		
Bad cutting performance!	Slippy V-belts	Adjust		
	Blunt diamond blade	Sharpen or use softer diamond blade		

8. Spare parts list

8.1 Using the spare parts list

The spare parts list is not a mounting or dismounting instruction. The only purpose of the spare parts list is to easily and quickly find spare parts which can be ordered with distribution agencies, see chapter 8.1.3 "Distribution agencies".

8.1.1 Safety regulation

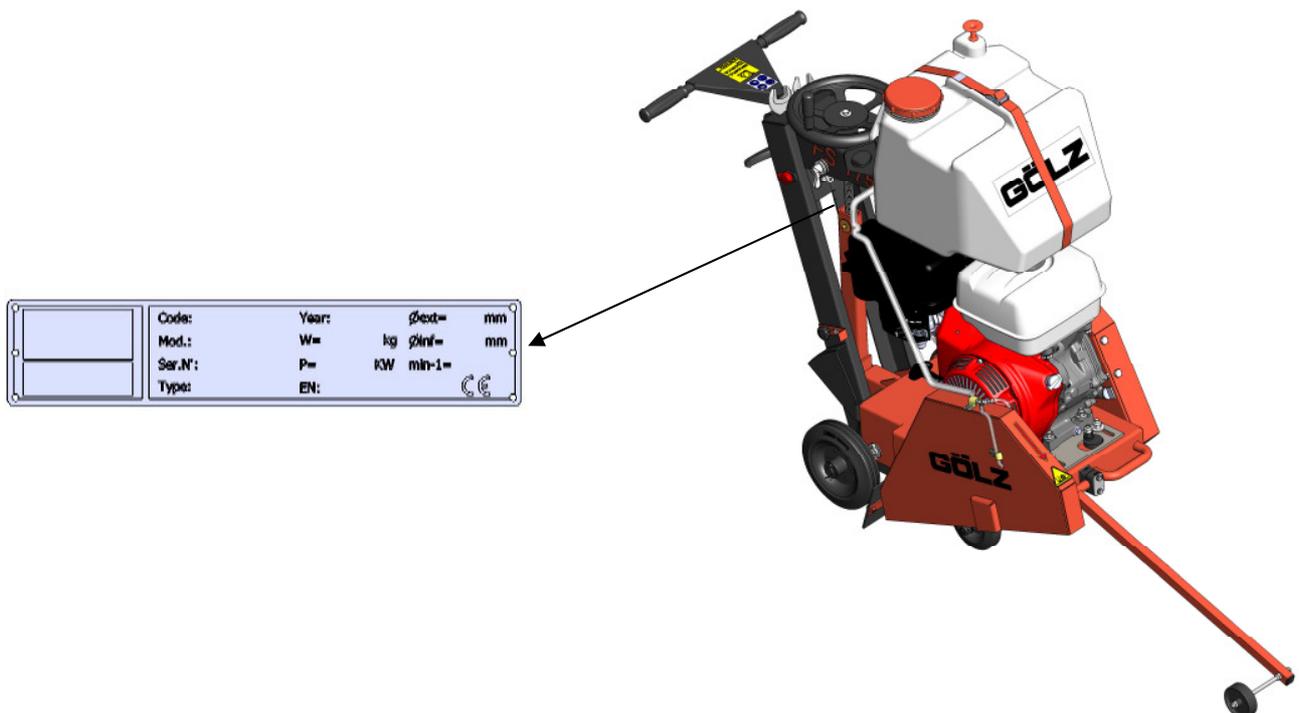
	<p>Danger: Mounting or dismounting assembly groups can give rise to risks which are not mentioned in the spare parts list!</p>
--	---

Using this spare parts list for mounting or dismounting purposes is not permitted. For assembly and disassembly work exclusively the corresponding descriptions in this operating manual are to be followed.

	<p>Danger: Non-observance of this instruction can result in injury which, in the worst case, can result in death!</p>
--	--

8.1.2 Ordering information

	<p>Note: In order to avoid wrong deliveries the information the ordering information should be checked for accuracy and completeness before sending it! Completely indicate the delivery address!</p>
--	--



So bekommen Sie schnell und richtig Ihr Ersatzteil	Always indicate	Pour obtenir rapidement les pièces de rechange indiquer
<ul style="list-style-type: none"> • Maschinentyp gemäß Typenschild • Baujahr gemäß Typenschild • Artikelnummer gemäß Ersatzteilliste • Maschinenummer gemäß Typenschild 	<ul style="list-style-type: none"> • machine type according to nameplate • year of manufacture according to nameplate • order number according to spare part list • serial number according to nameplate 	<ul style="list-style-type: none"> • type de la machine conforme de plaque d'identification • Année de construction selon plaque d'identification • Numéro de l'article selon la liste des pièces de rechange • numéro de la machine conforme de plaque d'identification
Für Bestellungen, Fragen und Informationen wenden Sie sich bitte an die zuständigen Stellen.	For orders, questions and information, please contact the competent departments.	Pour les commandes, questions et informations, veuillez-vous adresser aux points de ventes correspondants.

8.1.3 Distribution agencies

<p>Deutschland – Germany - Allemagne GÖLZ® GmbH Dommersbach 51 DE-53940 Hellenthal Tel: +49 (0)2482-12 200 Fax: +49 (0)2482-12 222 E-Mail: info@goelz.de / Internet: www.goelz.de</p>	
<p>Österreich - Austria - Autriche GÖLZ® Ges.m.b.H Samstraße 52 A-5020 Salzburg Tel: +43 (0) 662 - 43 81 75 Fax: +43 (0) 662 - 43 07 34 E-Mail: info@goelz.at / Internet: www.goelz.at</p>	<p>Frankreich - France - France GÖLZ® S.A.S. 1, rue de la Mairie F-67370 Berstett Tel: +33 (0)3.88.59.43.00 Fax: +33 (0)3.88.59.47.77 E-Mail: info@golz.fr / Internet: www.golz.fr</p>
<p>Großbritannien - Great Britain - Grande-Bretagne GÖLZ® (UK) Ltd. Unit A5, Springhead, Enterprise Park Northfleet Kent DA11 8HB Tel: +44 1 474321679 Fax: +44 1 474321477 E-Mail: info@goelz.co.uk / Internet: www.goelz.co.uk</p>	<p>Benelux GÖLZ® Benelux Eupener Straße 61 BE-4731 Raeren-Eynatten Tel: +49 (0)2482-12 200 Fax: +49 (0)2482-12 222 E-Mail: benelux@goelz.de / Internet: www.goelz-online.com</p>
<p>Australien - Australia - Australie GOLZ® Pty Ltd. 44 Stanley Street Peakhurst, NSW 2210 Tel: +61 (0) 2 9534 5599 Fax: +61 (0) 2 9534 5588 E-mail: info@golz.com.au / Internet: www.golz.com.au</p>	<p>USA GOLZ® L.L.C. 5860 East Osage Ridge Lane Columbia MO 65203-6018 Tel: +1 573 474 4961 E-Mail: info@golzusa.com / Internet: www.goelz-online.com</p>

8.2 Wearing parts

Wearing parts for construction devices mentioned in the operating manual such as drilling and sawing machines.

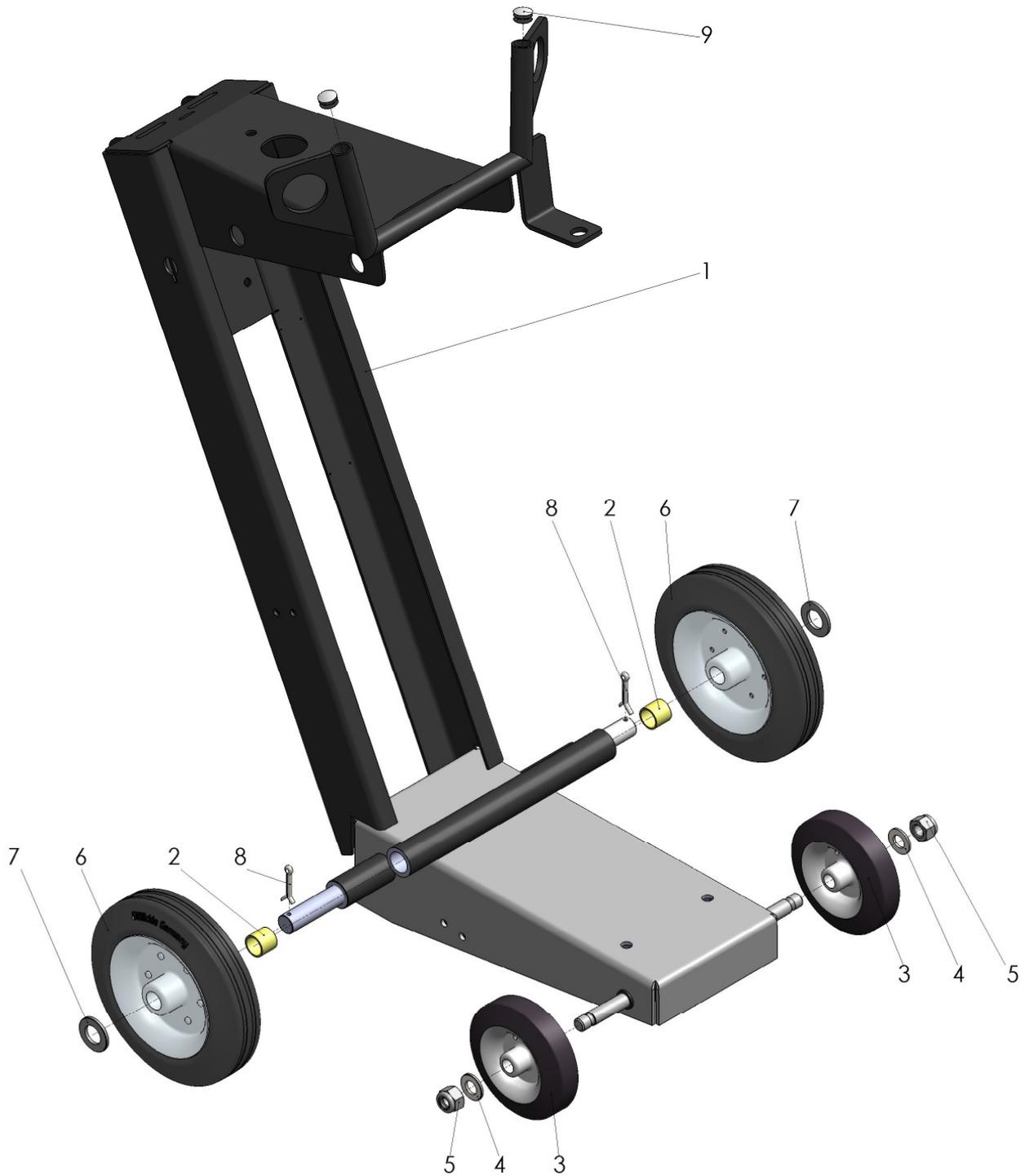
Wearing parts are the parts subject to operation-related (natural) wear during proper use of the device. The wearing time cannot be uniformly defined, and differs according to the intensity of use. The wearing parts must be adjusted, maintained and, if necessary, replaced for the specific device in accordance with the manufacturer's operating manual. Operation-related wear is not a reason for defect claims.

Wearing parts of this machine are grey marked in the spare parts list.

- Feed and drive elements such as toothed racks, gearwheels, pinions, spindles, spindle nuts, spindle bearings, cables, chains, sprockets, belts
- Seals, cables, hoses, packings, connectors, couplings and switches for pneumatic, hydraulic, water, electrical and fuel systems
- Guide elements such as guide strips, guide bushes, guide rails, rollers, bearings, sliding protection supports
- Clamping elements for quick-separating systems
- Flushing head seals
- Slide and roller bearings that do not run in an oil bath
- Shaft oil seals and sealing elements
- Friction and safety clutches, braking devices
- Carbon brushes, commutators / armatures
- Easy-release rings
- Control potentiometers and manual switching elements
- Securing elements such as plugs, anchors, screws and bolts
- Fuses and lamps
- Auxiliary and operating materials
- Bowden cables
- Discs
- Diaphragms
- Spark plugs, glow plugs
- Parts of the reversing starter such as the starting rope, starting pawl, starting roller and starting spring
- Sealing brushes, rubber seals, splash protection cloths
- Filters of all kinds
- Drive rollers, deflection rollers and bandages
- Cable anti-twist elements
- Running and drive wheels
- Water pumps
- Cut-material transport rollers
- Drilling, parting and cutting tools
- Energy storage

9. Exploded view and spare parts list

9.1 Undercarriage



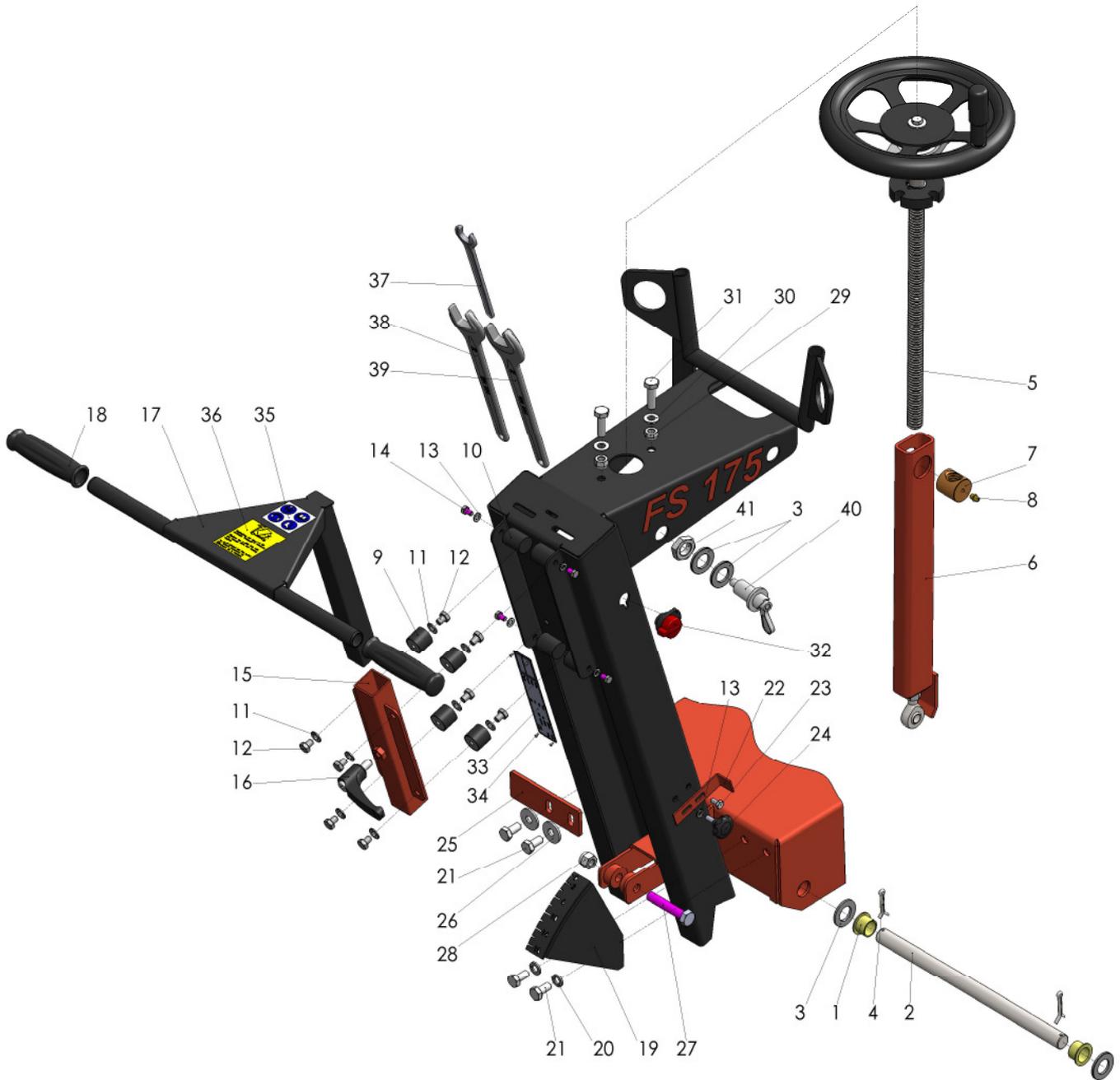
Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
-	5007264	0282170 6100	1			Fahrwerk kpl.	Undercarriage complete	Châssis complète
1	5007265	0282 175 6124	1			Fahrwerk	Undercarriage	Châssis
2	5007274	0282 175 6123	2		GSM-2023-20	Gleitlager	Slide bushing	Roulement coulissant
3	5002427	0282 130 0017	2		Ø 125 x 44 x Ø 15	Rad	Wheel	Roue
4	5000344	0295 600 1043	2	DIN EN ISO 7090	B 15	Scheibe	Washer	Rondelle
5	5000853	0282 250 0074	2	DIN EN ISO 7040	M14	Sicherungsmutter	lock nut	Écrou de blocage
6	5007213	2821706103	2		Ø200-Ø20x60	Hinterrad	Back wheel	Roue arrière
7	5000346	0285 300 0090	2	DIN EN ISO 7090	B 21	Scheibe	Washer	Rondelle
8	5000317	0284 650 0008	2	DIN EN ISO 1234	5 x 32	Splint	split-pin	goupille
9	5002471	0281 045 0073	2		Ø 20	Stopfen	Stopples	Bouchon

FS175

Translation of the original operating instruction and spare parts list



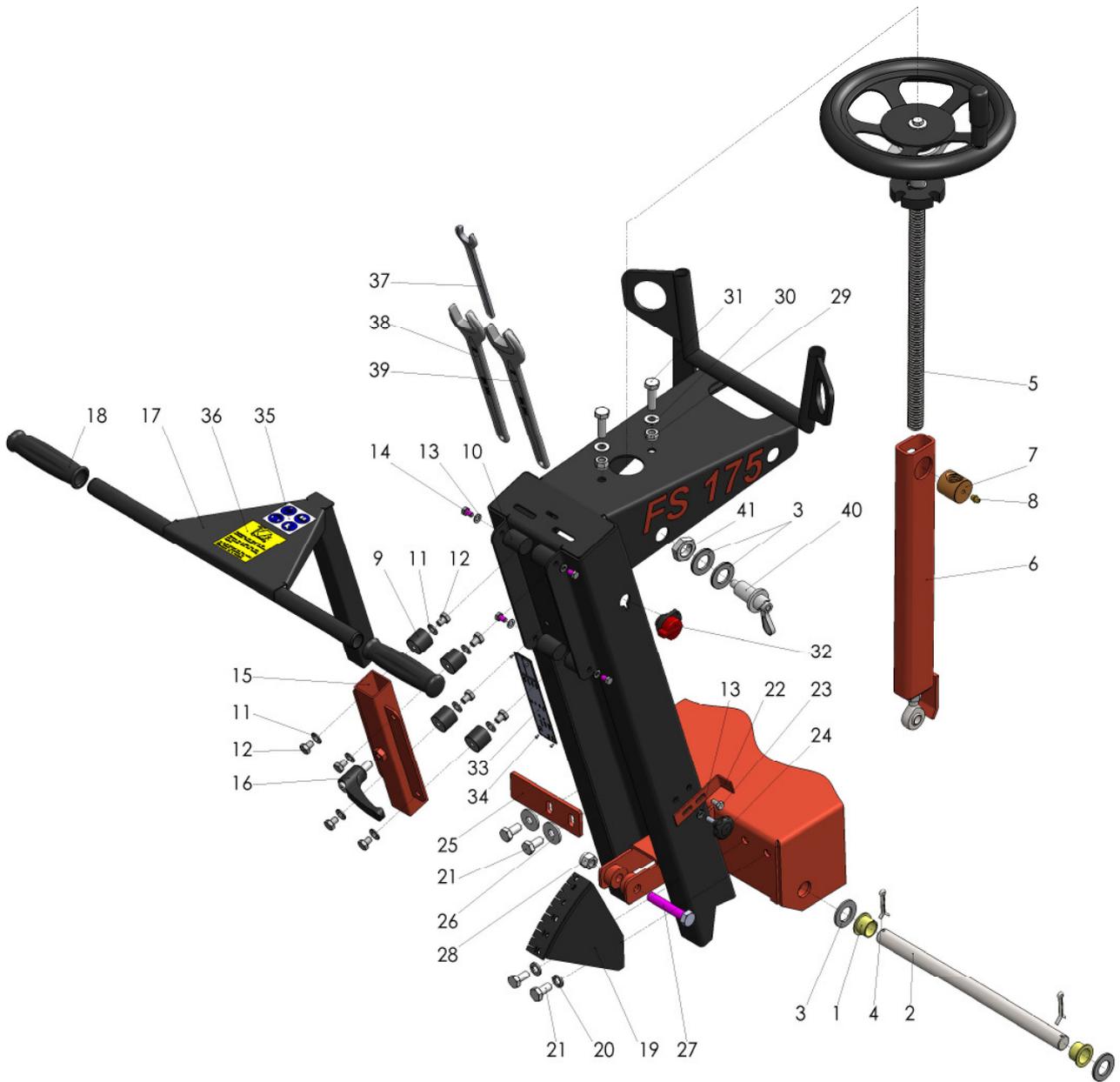
9.2 Push bow



Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	5007273	0282 175 6102	2		Ø20/Ø23/ Ø30x16,5	Bundbuchse	Bushing	Douille
2	5007272	0282 175 6104	1			Achse	Axle	Arbre
3	5000346	0285 300 0090	4	DIN EN ISO 7090	B 21	Scheibe	Washer	Rondelle
4	5000317	0284 650 0008	2	DIN EN ISO 1234	5 x 32	Splint	split-pin	goupille
5	5007288	0282 175 6107	1			Spindel kpl.	Shaft assy.	Arbre complet
6	5007289	0282 175 6108	1			Spindelaufnahme kpl.	Shaft support assy.	Fixation de la broche complet
7	5006071	0282 241 0107	1		Tr20x4	Spindelmutter	Trapezoid nut	Écrou de filet acmé
8	5006100	0285 300 0010	1		M6	Kegelschmier- nippel	Grease fitting	Graisseur
9	5004873	0295 002 0022	4		25,5 x 22; 2 x M8 I; 55° Shore	Maschinenfuss	machine foot	Machine à pied
10	5007052	0282 170 6105	4	GN352	Ø25 x 30 - M6 I- 55° Shore	Gummipuffer	Bump rubber	Patin
11	5000341	0282 250 0006	8	DIN EN ISO 7090	B 8,4	Scheibe	Washer	Rondelle
12	5000833	0282 170 0061	8	DIN EN ISO 4017	M 8 x 10	Schraube	Screw	Vis
13	5000340	0286 570 0069	5	DIN EN ISO 7090	B 6,4	Scheibe	Washer	Rondelle
14	5000707	0282 170 0067	4	DIN EN ISO 4017	M 6 x 10	Schraube	Screw	Vis
15	5007227	0282 170 6112	1			Aufnahme Führungsstange	Receiving part guiding rod	
16	5005795	0282 241 0095	1		M10 x 16	Klemmhebel	clamping lever	Levier de serrage
17	5007292	0282 175 6110	1			Schubstange kpl.	Push rod complete	Bielle Compilation complet
18	5002174	0282 190 0346	2			Griffbezug	Soft grip	Revêtement de poignée
19	5007294	0282 175 6115	1			Schnitttiefen- anzeiger	Cutting depth indicator	Couper indicateur de profondeur
20	5000362	0286 570 0043	2	DIN 127	A10	Federring	Spring washer	Rondelle élastique
21	5000731	0295 000 0187	4	DIN EN ISO 4017	M 10 x 20	Schraube	Screw	Vis
22	5007297	0282 175 6114	1	DIN EN 10131		Zeiger	pointer	Pointer
23	5000708	0295 000 0370	1	DIN EN ISO 4017	M 6 x 12	Schraube	Screw	Vis
24	5007363	0282 175 6121	1		GN6336.4 -SK-32- M6-16	Sterngriffschraube	Star knob screw	Vis de la molette étoiles
25	5007298	0282 175 6116	1			Bremse	Brake	Freinage
26	5001284	0298 900 0010	2	DIN EN ISO 7093	A 10,5	Scheibe	Washer	Rondelle
27	5000753	0295 080 0028	1	DIN EN ISO 4017	M12 x 65	Schraube	Screw	Vis
28	5000858	0285 300 0015	1	DIN EN ISO 7040	M 12	Mutter	Nut	Écrou
29	5000857	0286 570 0052	2	DIN EN ISO 7040	M 10	Mutter	Nut	Écrou
30	5000342	0286 570 0047	2	DIN EN ISO 7090	B 10,5	Scheibe	Washer	Rondelle

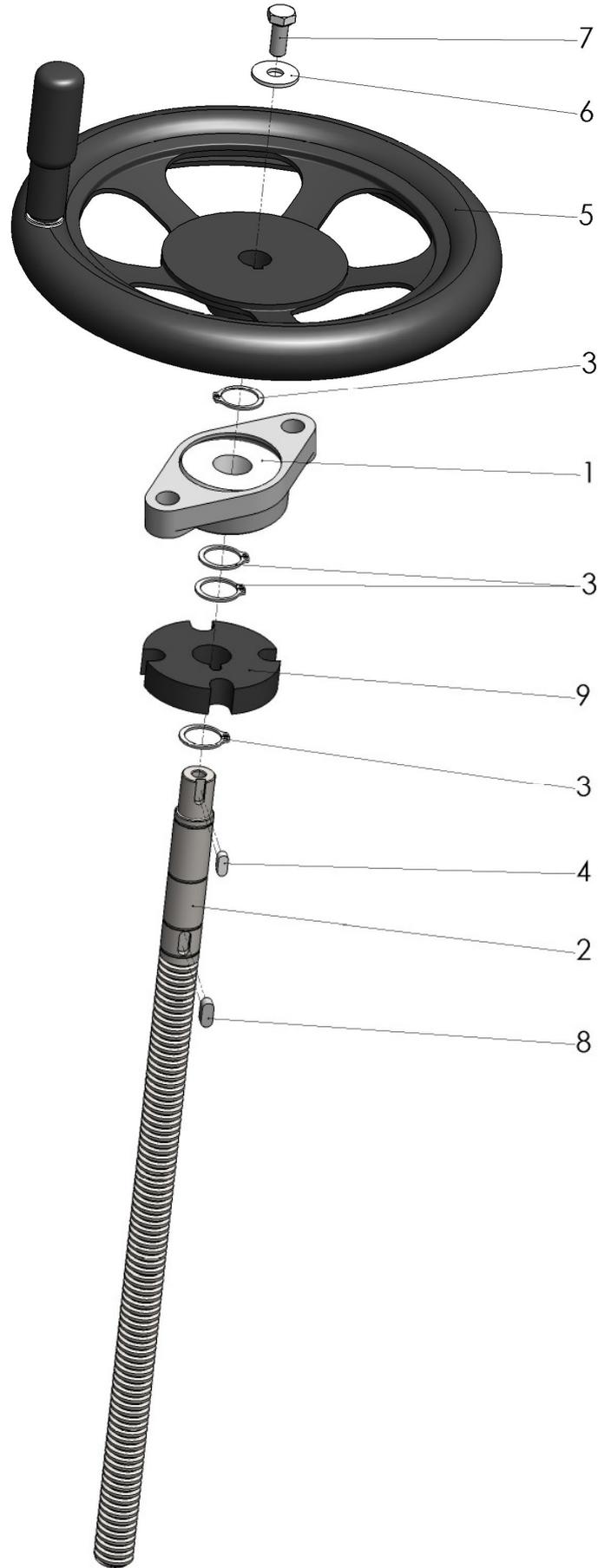
FS175

Translation of the original operating instruction and spare parts list



Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
31	5000734	0295 000 0293	2	DIN EN ISO 4017	M 10 x 35	Schraube	Screw	Vis
32	5007232	36100-ZH8-W41	1			Motor-Stop-Schalter	motor-stop-switch	Moteur-Interrupteur d'arrêter
33	5007196	0282 175 6122	1		160 x 32 x 0,5	Typenschild	Name plate	Plaque signalétique
34	5007198	0282 170 6106	4	DIN EN ISO 8746	Ø2 x 8	Kerbnagel	Grooved pin	Goupille cannelée
35	5000217	0295 899 0033	1		Pikto	Aufkleber	Sticker	Autocollant
36	5002528	0295 899 0273	1			Aufkleber	Sticker	Autocollant
37	5007317	0295 000 2038	1	DIN 894	SW 17	Maulschlüssel	wrench	Clé
38	5002805	0295 000 2031	1	DIN 894	SW 30	Maulschlüssel	Wrench	Clé plate
39	5002804	0295 000 2044	1	DIN 894	SW 32	Maulschlüssel	Wrench	Clé plate
40	5001491	0295 230 0013	1			Federriegel	Spring latch	Verrous à ressort
41	5000403	0295 230 0032	1	DIN EN ISO 8675	M 20 x 1,5	Mutter	Nut	Écrou
o.A.	-	0282 130 0094	1			Verbinder für Handausschalter	Connector for hand circuit breaker	Connecteur marche/arrêt

9.3 Shaft



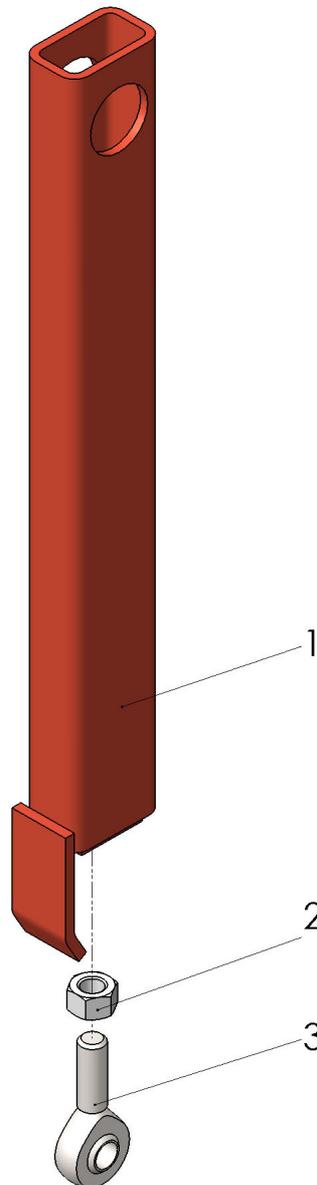
FS175

Translation of the original operating instruction and spare parts list



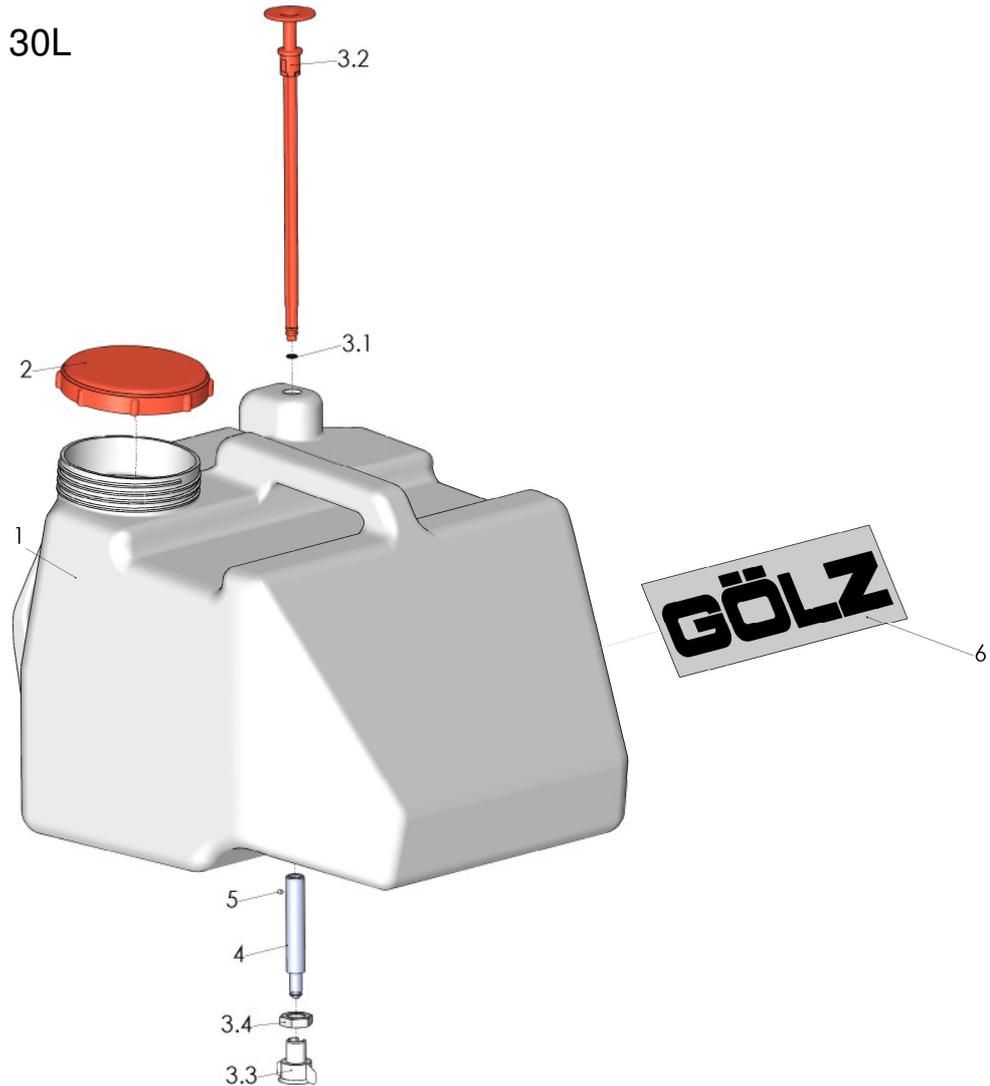
Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
-	5007288	0282 175 6107	1			Spindel kpl.	Shaft assy.	Arbre complet
1	5003829	0282 240 0022	1		UCFL 204 Ø20	Flanschlager	Flange bearing	Roulement avec flasque
2	5006099	0282 241 0106	1	DIN 103	Tr20x4	Spindel	Shaft	Fuseau
3	5000419	0282 250 0020	4	DIN 471	20 x 1,2	Sicherungsring	Circlip	Circlip
4	5001033	2956000533	1	DIN 6885	A5x5x12	Passfeder	Key	Clavette
5	5006026	0282 241 0101	1			Handrad kpl.	Hand wheel complete	Volant complet
6	5001256	0298 900 0008	1	DIN EN ISO 7093	A 8,4	Scheibe	Washer	Rondelle
7	5000721	0282 150 0035	1	DIN EN ISO 4017	M 8 x 20	Schraube	Screw	Vis
8	5005391	0282 241 0020	1	DIN 6885	6x6x14	Passfeder	Key	Clavette
9	5005392	0282 241 0008	1	DIN EN 10060		Rastscheibe	Locking disc	Rondelle d'arrêt

9.4 Shaft support



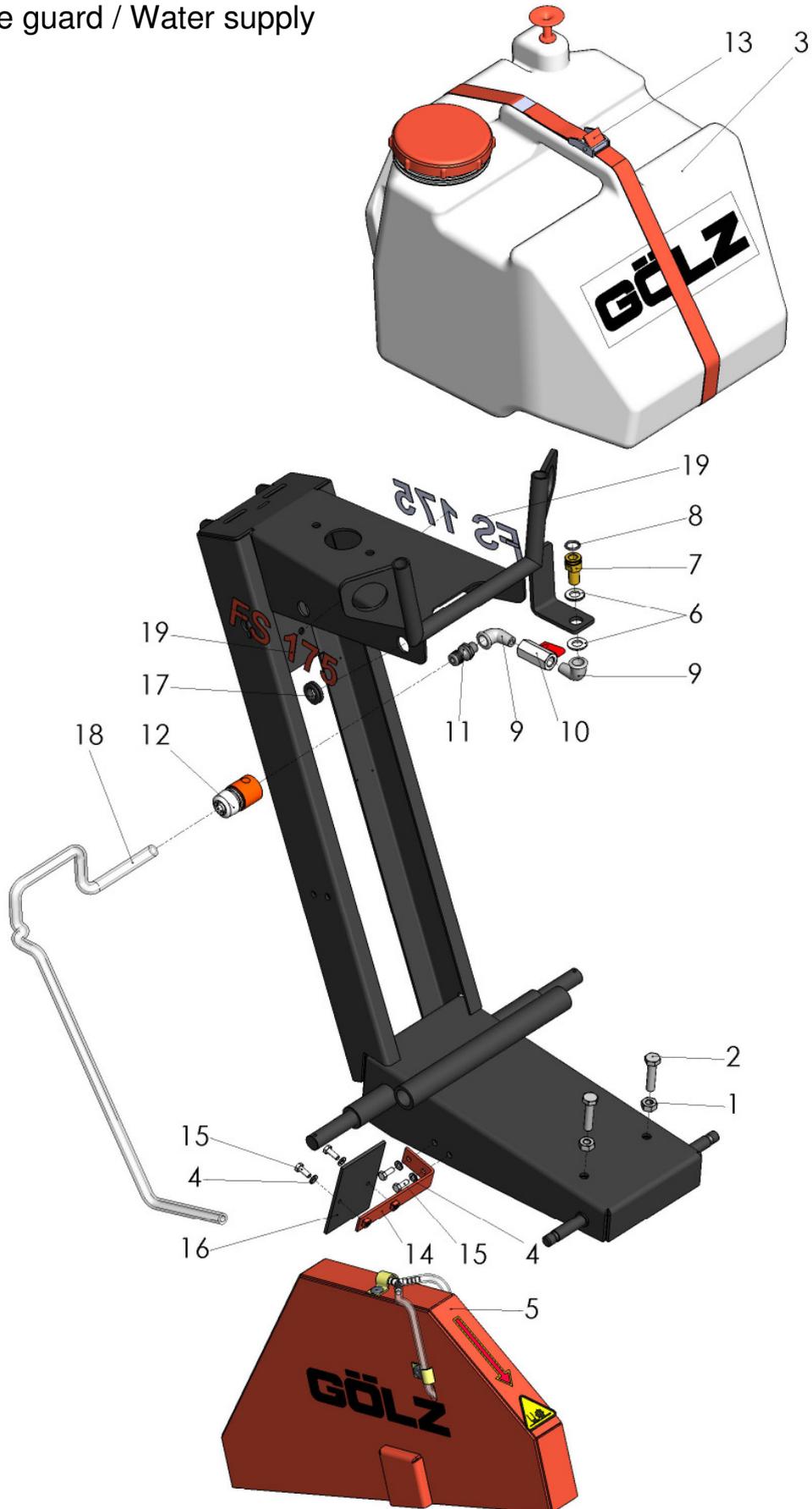
Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
-	5007289	0282 175 6108	1			Spindelaufnahme kpl.	Shaft support assy.	Fixation de la broche complet
1	5006068	0282 241 0108	1			Spindelaufnahme	Support	Levé
2	5000793	0295 000 0178	1	DIN EN ISO 4032	M 12	Mutter	Nut	Écrou
3	5006069	0282 241 0109	1	DIN 648	Ø12xM12	Gelenkkopf	Joint head	Chape articulée

9.5 Water tank 30L



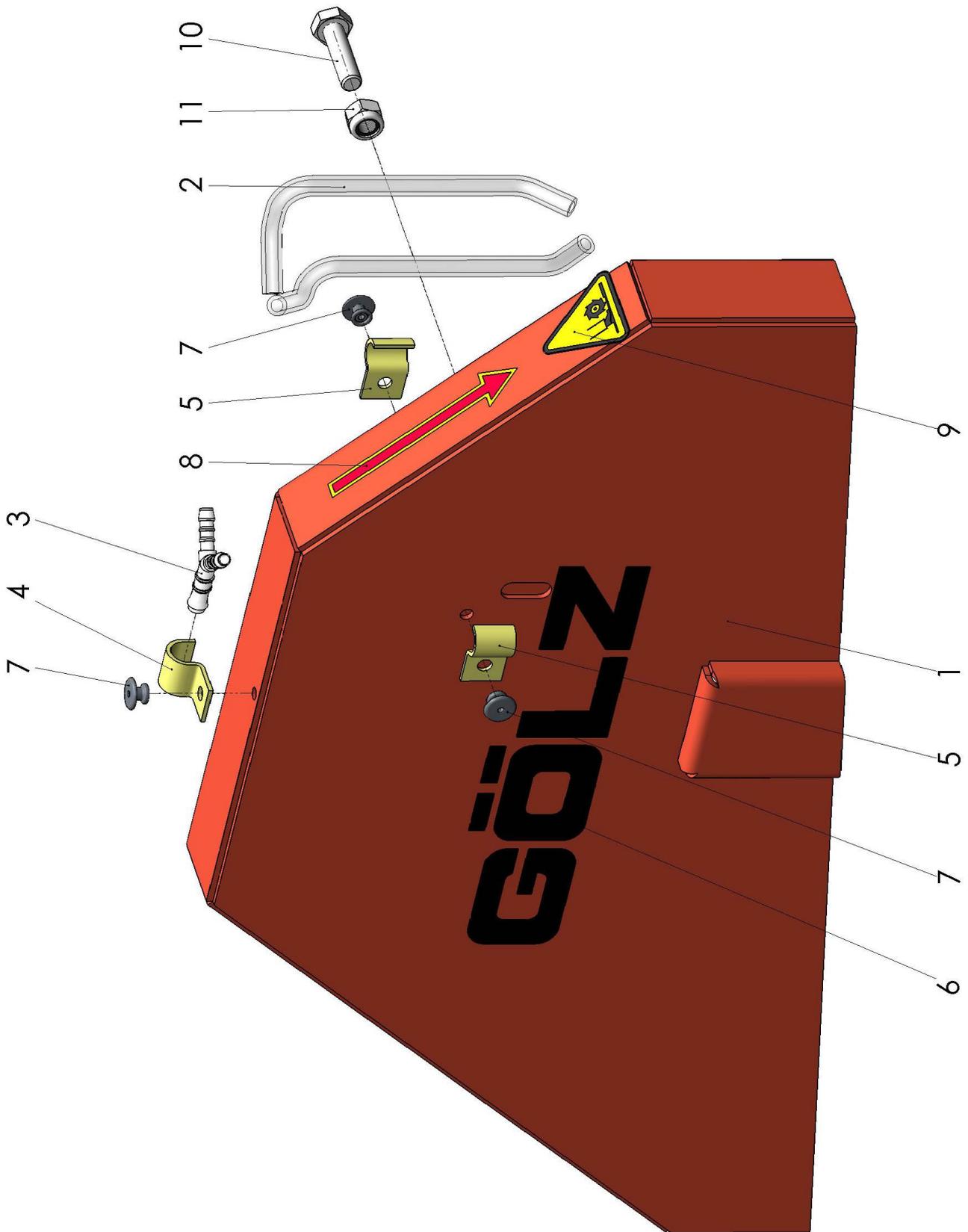
Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
-	5002524	0282 130 0528	1		30L	Wassertank kpl.	Water Tank assy.	Réservoir d'Eau complet
1	0003847	0282 130 0100	1	-	30L	Wassertank	Water tank	Réservoir d'eau
2+3	5002516	4201 007 1046	1	-		Teilesatz 1 Wasserbehälter	Set water tank	Set réservoir d'eau
2	5002518	-	1			Behälterdeckel	Cap	Couvercle du réservoir
3	5002517	4201 007 1046	1	-		Teilesatz Wasserbehälter	Set water tank	Set réservoir d'eau
3.1	5000949	0282 140 0074	1	DIN 3771		O-Ring	O-ring	Joint torique
3.2	5002520	4201 703 2600	1	-		Absperrschieber	Stop valve	Vanne d'arrêt
3.3	5002521	4201 701 8800	1	-		Ventil	Valve	Valve
3.4	5000396	0282 130 0525	1	DIN EN ISO 8675	M 16 x 1,5	Mutter	Nut	Ecrou
4	4003851	0282 130 0525	1	-		Verlängerung Tankverschluss	Lengthening piece	Allonge
5	5000596	0282 130 0533	1	DIN EN ISO 4026	M3x4	Gewindestift	Set screw	Vis sans tête
6	5002523	0295 899 0002	1	-	GÖLZ	Haftetikette	Label	Autocollant

9.6 Blade guard / Water supply



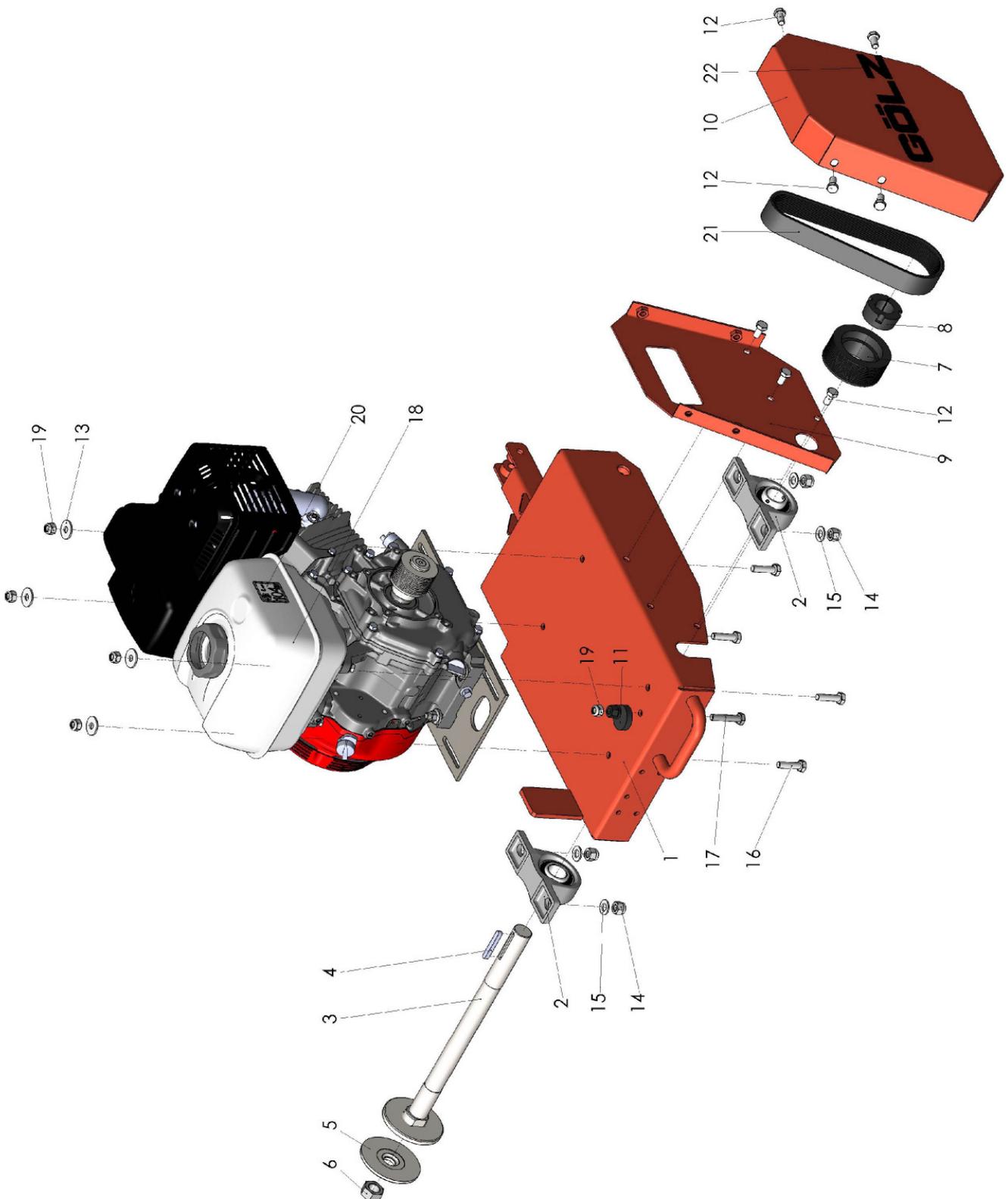
Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	5000792	0286 570 0046	2	DIN EN ISO 4032	M 10	Mutter	Nut	Écrou
2	5000736	0282 150 0055	2	DIN EN ISO 4017	M 10 x 45	Schraube	Screw	Vis
3	5002524	0282 130 0528	1		30L	Wassertank kpl.	Water Tank assy.	Réservoir d'Eau Cpl.
4	5000340	0286 570 0069	4	DIN EN ISO 7090	B 6,4	Scheibe	Washer	Rondelle
5	5007281	0282 175 6112	1			S-Haube kpl.	Blade guard complete	Capot de protection complet
6	5000343	0282 250 0105	2	DIN EN ISO 7090	B 13	Scheibe	Washer	Rondelle
7	4003827	0282 120 0521	1			Tankanschluss - stutzen	Connection piece	Raccord
8	5000947	0295 000 0176	1		14 x 2,5	O-Ring	O-ring	Joint torique
9	5004923-	0281 230 0021	2		1/4" 90° I/A	Winkel	Elbow	Raccord d'équerre
10	5001641	0295 000 0326	1		R 1/4 ", I-I	Minikugelhahn	Mini ball valve	Robinet à rotule mini
11	5001368	0295 000 3016	1		1/4 "	Anschlußstück	Coupling	Raccord
12	5002652	0295 000 3013	1		Wasser Stop	Schlauchkupplung	Water coupler	Dispositif d'accouplement
13	5003692	0282 252 0196	1			Spanngurt	Tension belt	Sangle
14	5007390	0282 175 6117	1			Befestigungswinkel Spritzschutz	Mounting bracket splash guard	Support de fixation pare-éclaboussures
15	5000690	0295 000 3530	4	DIN EN ISO 4017	M 6 x 16	Schraube	Screw	Vis
16	5007299	0282 175 6118	1			Spritzschutz	Splash guard	Protection contre le réfrigérant
17	5007247	0282 175 6120	1		DG-PVC 16/E3	Membrandurchführung	through membrane	Grâce à membrane
18	5007279	0298 100 0103	1		Ø9 x 3 x 1200	Schlauch	Hose	Tuyau
19	5007401	0295 899 0026	2		FS170	Aufkleber	Sticker	Autocollant

9.6.1 Blade guard

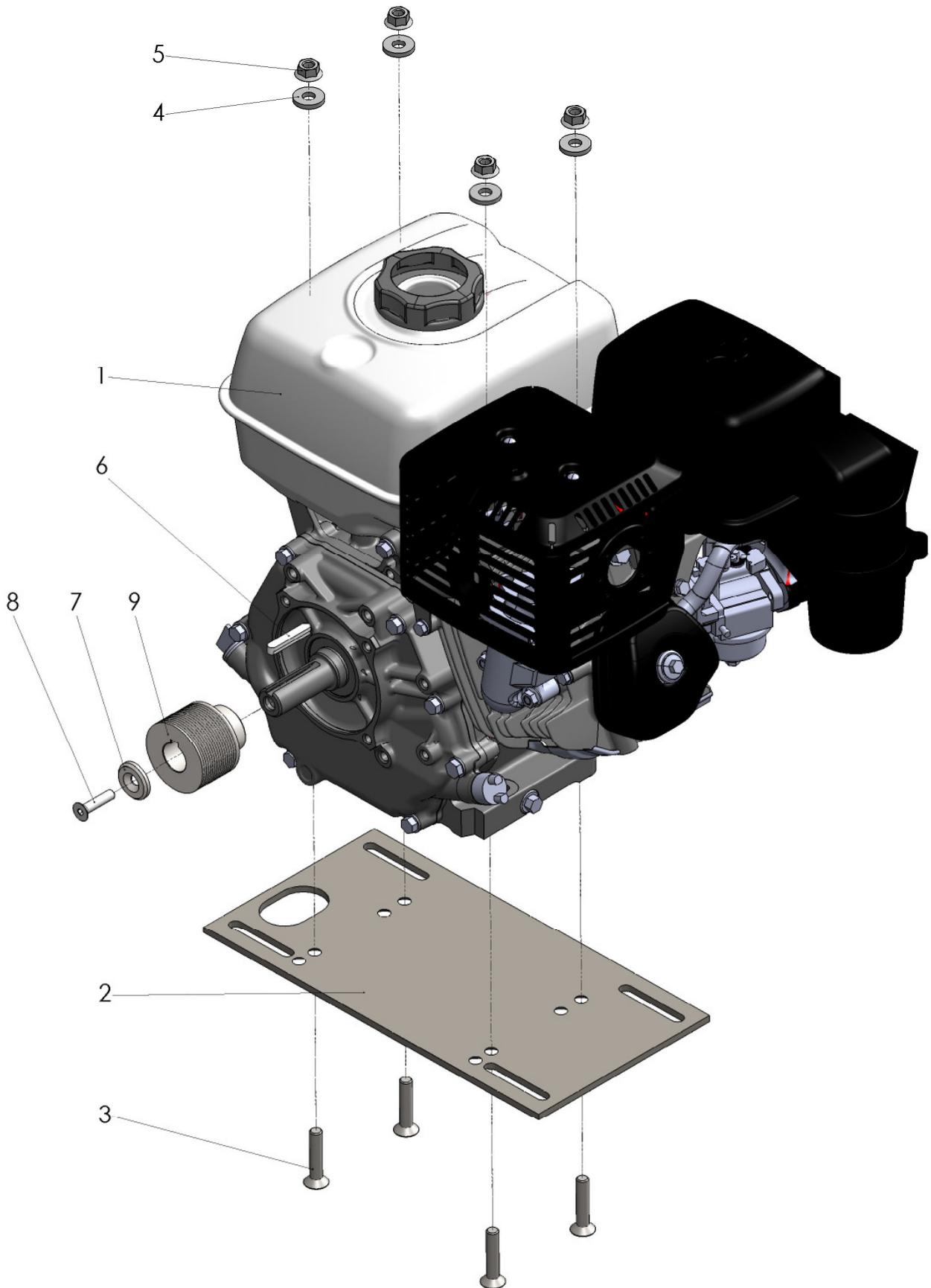


Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
-	5007281	0282 175 6112	1			S-Haube kpl.	Blade guard complete	Capot de protection complet
1	5007282	0282 175 6111	1			Schutzhaube	Blade guard	Capot protecteur
2	5007146	0282 130 0523	1		6 x 2 x 600	Schlauch klar	Hose	Tuyau
3	5001555	0282 130 0527	1		RY 6 - 8 - 6	Y-Verteiler	Y-Distribution	Y-Distributeur
4	5002487	0282 130 0532	1		Ø 15	Schelle	Clamp	Collier
5	5001558	0282 240 0101	2		Ø 12	Schelle	Clamp	Collier
6	5007410	0295 899 0020	1		GÖLZ	Aufkleber	Sticker	Autocollant
7	5001248	0298 100 0023	3	DIN 7337	Ø 6 x 10	Blindniet	blind rivet	Rivet
8	5002527	0295 899 0009	1		Pfeil	Aufkleber	Label	Macaron
9	5003421	0295 899 0314	1		Warnung Fräswelle	Aufkleber	Label	Macaron
10	5000735	0295 000 0035	1	DIN EN ISO 4017	M 10 x 40	Schraube	Screw	Vis
11	5000857	0286 570 0052	1	DIN EN ISO 7040	M 10	Mutter	Nut	Écrou

9.7 Engine

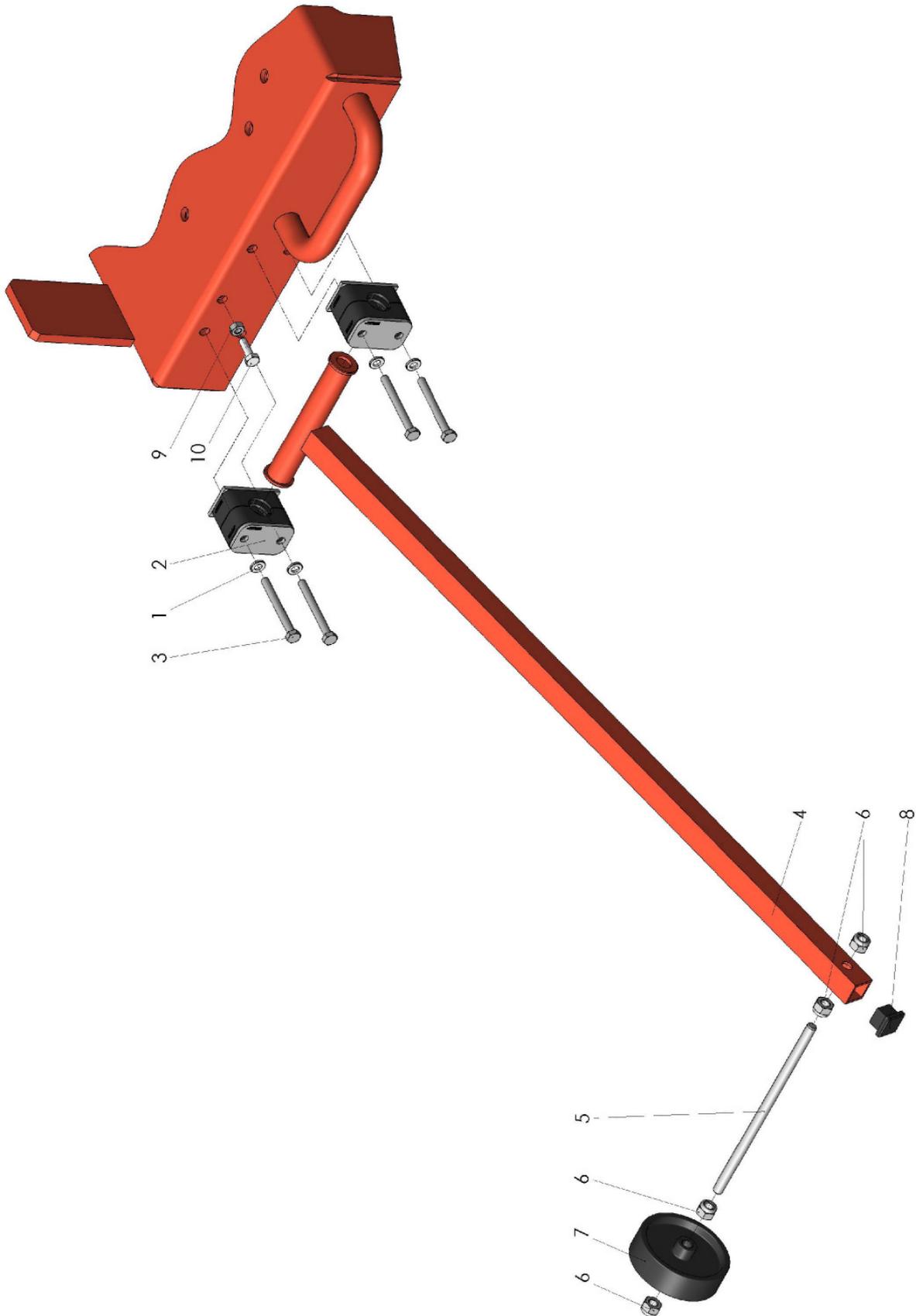


Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	5007251	0282 175 6101	1			Chassis	Chassis	Châssis
2	5001273	0282 300 0022	2		UCP 206 Ø30	Stehlager	Pedestal bearing	Chaise-palier
3	5007271	0282 175 6103	1			Schneidwelle mit Flansch	Spindle shaft	Arbre
4	5001042	0282 240 0029	1	DIN 6885	A 8 x 7 x 58	Passfeder	Key	Clavette
5	0004397	0282 170 0236	1	DIN EN 10060	Ø100	Außenflansch	Outer flange	Flasque extérieure
6	5000804	0282 065 0074	1	DIN EN ISO 8673	M 20 x 1,5 LH	Mutter	Nut	Écrou
7	5006901	0282 170 0242	1		TB 16 PJ 97,5	Keilrippenscheibe	V-ripped-pulley	V-déchiré poulie
8	5006902	0282 170 0243	1		1610 - Ø30	Taper - Buchse	Taper - Bushing	Taper - Coussinet
9	5007275	0282 175 6105	1			Aufnahme KRS- Haube	V-belt guard carrier	Support
10	5007277	0282 175 6106	1	DIN EN 10131		KRS-Haube	V-belt guard	Protection de courroie trapézoïdale
11	4878	0282 170 0016	1			Exzenter	Eccentric	Excentrique
12	5000731	0295 000 0187	7	DIN EN ISO 4017	M 10 x 20	Schraube	Screw	Vis
13	5001284	0298 900 0010	4	DIN EN ISO 7093	A 10,5	Scheibe	Washer	Rondelle
14	5000858	0285 300 0015	4	DIN EN ISO 7040	M 12	Mutter	Nut	Écrou
15	5000343	0282 250 0105	4	DIN EN ISO 7090	B 13	Scheibe	Washer	Rondelle
16	5000735	0295 000 0035	4	DIN EN ISO 4017	M 10 x 40	Schraube	Screw	Vis
17	5000737	0282 250 0118	1	DIN EN ISO 4017	M 10 x 50	Schraube	Screw	Vis
18	5007290	0282 175 6109	1			Motor mit Verschiebepatte	Engine with clamping plate	Monteur avec platine de coulissement
19	5000857	0286 570 0052	5	DIN EN ISO 7040	M 10	Mutter	Nut	Écrou
20	5002726	0295 899 0224	1		LWA 104 dB	Aufkleber	Sticker	Autocollant
21	5007291	0282 175 6119	1		16 PJ 686 / 270 J EL	Rippenband	Poly-V-belt	Courroie poly-V
22	5007410	0295 899 0020	1		GÖLZ	Aufkleber	Sticker	Autocollant
o.A.	-	0298 000 1006	1		SAE 15 W40	Motoröl	Motor oil	Huile
o.A.	-	0298 100 0004	5		KS 3-75	Kabelband	Cable tape	Protecteur de câbles



Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
-	5007290	0282 175 6109	1			Motor mit Verschiebepatte	Engine with clamping plate	Monteur avec platine de coulissement
1	5006318	0282 170 0957	1		Honda GX 390	Motor	Engine	Moteur
2	4867	0282 170 0013	1	DIN EN 10029		Motorverschiebe - platte	Clamping Plate	Platine de coulissement
3	5000039	0284 650 0091	4	DIN EN ISO 10642	M 10 x 50	Schraube	Screw	Vis
4	5001105	0295 000 0216	4	DIN 7349	A 10,5	Scheibe	Washer	Rondelle
5	5007195	0295 000 0119	4	ähnlich DIN 6923	M10	Sperrzahnmutter	Self-locking nut	Écrou à dent d'arrêt
6	4002282	0282 120 0096	1			Passfeder Sonder	Parallel key	Clavette
7	4390	0282 170 0235	1			Scheibe	Washer	Rondelle
8	5000031	0266 350 0105	1	DIN EN ISO 10642	M 8 x 35	Schraube	Screw	Vis
9	5007384	0282 170 0244	1		16 PJ 62,5	Keilrippenscheibe	V-ripped-pulley	V-déchiré poulie

9.8 Pointer unit



FS175

Translation of the original operating instruction and spare parts list



Pos	K.-Art.-Nr.	Art.-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	5000340	0286 570 0069	4	DIN EN ISO 7090	B 6,4	Scheibe	Washer	Rondelle
2	5001163	0282 250 0649	2		Ø20	Befestigungs-schelle	Pipe clamp	Collier de fixation
3	5000718	0282 250 0804	4	DIN EN ISO 4017	M6x60	Schraube	Screw	Vis
4	5007391	0282 175 6125	1			Aufnahme Richtungsanzeiger	Pointer unit	Indicateur de direction
5	5007230	0282 170 6102	1	DIN 975		Gewindestange	Threaded rod	Tige filetée
6	5000856	0282 065 0005	4	DIN EN ISO 7040	M 8	Mutter	Nut	Écrou
7	5002467	0282 120 0084	1		Ø 75 x Ø 8,2	Rad	Wheel	Roue
8	5002468	0282 120 0045	1		20 x 20 x 1,5-2	Stopfen	Stopples	Bouchon
9	5000790	0285 300 0142	1	DIN EN ISO 4032	M 6	Mutter	Nut	Écrou
10	5000712	0285 300 0068	1	DIN EN ISO 4017	M 6 x 20	Schraube	Screw	Vis