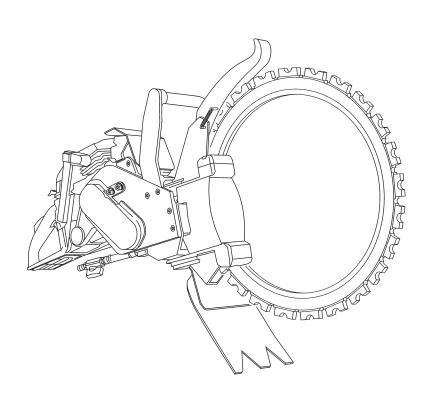


Operating Instructions

Ring saw HRG500 ★ ★ ★

Index 000



Congratulations!

You have decided to purchase a tried and tested TYROLIT Hydrostress unit and have thus acquired a highly sophisticated and reliable state-of-the-art unit. Only genuine TYROLIT Hydrostress replacement parts can guarantee quality and interchangeability. If maintenance work is neglected or carried out inexpertly we will be unable to honour our warranty obligations. Any repair work must be carried out by trained personnel only.

Should you need more details concerning your TYROLIT Hydrostress unit in order to keep it in perfect condition, please contact our after-sales service for further information.

We hope that working with your TYROLIT unit will be a satisfying and fault-free experience.

TYROLIT Hydrostress

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Page 2

1 Concerning these instructions

These instructions are a constituent of the unit. They describe how to use the equipment safely and properly in all phases of operation.

- Read the instructions carefully before use, particularly the safety instructions.
- Keep the instructions for the entire service life of the equipment.
- Ensure that the instructions are available to the operator and the service engineers at all times.
- Pass the instructions on to all subsequent owners or users of the equipment.
- Update instructions with all supplements received from the manufacturer.

1.1 Danger symbols in these instructions



DANGER

Warning of danger, where failure to comply could lead to death or serious injury.



WARNING

Warning of danger, where failure to comply could lead to injuries or damage to property.



Information for optimum use of equipment. Failure to take note of this information may mean that the performance information shown in the technical data can no longer be guaranteed.

2 Safety instructions

2.1 Please pay attention to the safety instructions

Do not work with the unit unless you have read and understood the safety instructions. The unit has been inspected before being shipped and is delivered in perfect condition. TYROLIT Hydrostress does not accept liability for damage caused by failing to follow these instructions. This applies in particular to the following damage:

- Damage caused by improper use and operator error
- Damage caused by failure to observe the safety-related information in these instructions or the warning signs on the unit.
- Damage caused by substandard maintenance work

2.2 Use for correct purpose

The ring saw is used by trained personnel for cutting concrete, masonry and stone.

Incorrect use:

- Working without protective equipment or inadequate protective equipment
- Cutting other materials
- Removal of protective devices
- · Cutting in potentially explosive areas
- Cutting loose parts
- Incorrect or absence of waste water disposal (sawing sludge)

2.3 Target groups and responsibility

2.3.1 Authorised personnel

Work on or with machines or systems from TYROLIT Hydrostress may only be carried out by authorised persons. Personnel are considered to be authorised if they meet the necessary training and know-how requirements and they have been assigned an exact functional role.

2.3.2 Manufacturer

The following are considered to be manufacturers of products that are supplied by TYROLIT Hydrostress:

- TYROLIT Hydrostress
- A company explicitly nominated by TYROLIT Hydrostress

Within the context of an integrated quality assurance and safety control system, the manufacturer is entitled to request from the operator information about the products.

2.3.3 Operator

The operator named by TYROLIT Hydrostress is the primary, legal entity responsible for the correct use of the product and for the training and assignment of the authorised personnel. The operator sets out the skills and level of training of the authorised personnel.

Personnel qualifications

- A technical trained person in a management position.
- Relevant experience in personnel management and risk assessment
- Has read and understood the safety instructions

2.3.4 Operator (user)

User is the term employed by TYROLIT Hydrostress to designate a person who independently performs the following work:

- Setting up the machines and systems of TYROLIT Hydrostress within the scope of correct purpose of use
- Independent performance and monitoring of work
- Localisation of faults and organisation of troubleshooting and independent fault remedying
- Maintenance
- Testing the correct operation of safety equipment

Personnel qualifications

- Completed training as a concrete expert or relevant professional experience
- Introduction (basic training) to the operation of the unit by a service engineer

2.3.5 Service engineer

A service engineer is the term employed by TYROLIT Hydrostress to designate a person who independently performs the following work:

- Installs TYROLIT Hydrostress machines and systems
- · Makes adjustments to machines and systems for which certain access rights are required.
- Complex service and repair work

Personnel qualifications

- Specialist professional training (mechanical / electrotechnical)
- Product-specific training at TYROLIT Hydrostress

2.4 Organisational measures

2.4.1 Product monitoring obligation

The unit may only be operated in perfect and undamaged condition. Operating personnel must notify changes in operational behaviour or safety-related components to a responsible person or the manufacturer, immediately.

The maintenance intervals must be adhered to. Faults that affect safety must be remedied immediately

2.4.2 Location of these instructions

A copy of these instructions must be available to personnel at the place of use of the unit at all times.

2.4.3 Workplace

- Provide sufficient space to carry out work safely.
- ► Ensure that the workplace is sufficiently illuminated.
- ► Cordon off the danger area in a clearly noticeable way so that no person can enter the danger area during sawing.

Ring saw HRG500 ★ ★ ★

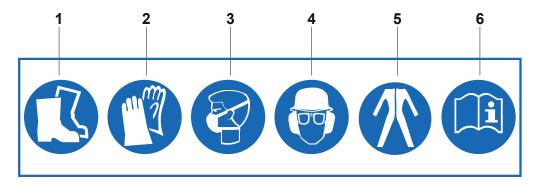
2.5 Protective devices and signs on the equipment

2.5.1 Protective devices

Protective devices may only be removed if the equipment has been switched off and is at a standstill. Safety components in particular should only be removed and refitted by authorised personnel.

Before switching the equipment back on again, check that the safety elements are operating correctly.

2.5.2 Signs on the equipment



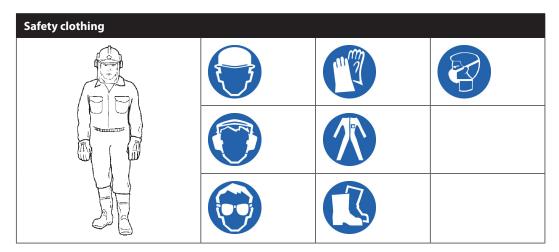
- 1 Wear safety shoes
- 2 Wear gloves
- 3 Wear a breathing mask
- 4 Wear a helmet, goggles and hearing protection
- 5 Wear safety clothing
- 6 Read the instructions

2.6 Spare parts and modifications

Only original spare parts from TYROLIT Hydrostress must be used. Otherwise damage may be caused to the unit or to other property and persons.

No additions or modifications must be made to the unit without written permission from TYROLIT Hydrostress.

2.7 Safety clothing



2.8 Residual risks

Risk of serious injuries from the residual risks described in the chapters that follow.

2.8.1 Sharp edges

Risk of serious lacerations if the tool is touched.

- ▶ Do not touch the tool during operation
- ▶ Always wear gloves when handling the stationary tool.

2.8.2 Diamond segments flying off

- ▶ Before use, always ensure that the ring guard is correctly fitted and undamaged.
- ▶ Do not start sawing if any other persons are in the danger zone.
- ▶ Ensure that a safety distance of 15 m is maintained from the ring saw.
- ▶ Replace the disk grinding ring if diamond segments start to break off.

2.8.3 Recoil

Erroneous positioning of the disk grinding ring or cutting the wrong materials can make the ring saw recoil and seriously injure the operator.

- ▶ Only cut materials that are permitted within the scope of the correct purpose of use.
- ▶ Do not apply disk grinding ring above the middle of a workpiece edge.

2.8.4 Unintentional start-up

- ▶ Before starting up, please ensure that:
 - The control handle with lock is working correctly.
 - There are no other persons in the danger zone.

2.8.5 Vibration

Vibration can cause circulation problems and/or nerve damage.

Consult a doctor in the event of symptoms.

2.8.6 Uncontrolled movements and vibration

- ▶ Always hold ring saw by the handles with both hands during operation. Thumbs and fingers must be closed around the handles.
- ► Keep the handles clean.
- Never saw above shoulder height.
- ▶ Never stand on ladder when sawing.
- ► Guide the motor saw in such a way that no part of your body is inside the extension of the disk grinding ring of the saw.

A loose disk grinding ring can cause uncontrolled ring saw vibration.

► Ensure that the drive rolls are correctly mounted.

2.8.7 Catching and winding in

Items of clothing or long hair can be caught by the rotating disk grinding ring.

- ► Always work with the protective covers fitted.
- ▶ Do not wear loose items of clothing at work.
- ► Wear a hair net if you have long hair.

2.8.8 Particles flying off

Flying particles can cause eye injuries.

- ► Wear safety goggles or a visor.
- ► Ensure that danger area is properly cordoned off.

2.8.9 Falling parts

Falling parts can cause serious head and foot injuries.

- ► Wear helmet and safety shoes with steel toecaps.
- Lumps of concrete that have been cut loose must be secured against falling.
- ➤ Safeguard front, underneath and rear of sawing area from falling parts or sawing sludge. People must not be injured or equipment damaged.

2.8.10 Noise

Noise can damage the hearing.

► Wear hearing protection.

2.8.11 Damaging vapours and aerosols

Inhaling damaging vapours and/or aerosols can cause breathing problems. Breathing in the water fog and exhaust that is emitted is a health hazard.

- Wear a breathing mask.
- Provide adequate ventilation in confined spaces.

2.8.12 Risk of slipping

- ▶ Do not work on uneven surfaces.
- ▶ Wear safety shoes with non-slip soles.

The sludge resulting from cutting is very greasy.

▶ Remove sludge or ensure that people cannot slip in it.

2.8.13 Risk of ring saw restart in the event of an accident

Ensure that the ring saw can be stopped quickly.

2.8.14 Physical condition

- ▶ Do not work whilst under the influence of alcohol, drugs or medication.
- ▶ Do not work when you are overtired.
- ▶ Do not allow children or adolescents below the age of 18 to operate the motor saw. Adolescents aged 16 and over are excepted from this ban is they are under the supervision of an expert for training purposes.

2.8.15 Reduced cutting ring quality

- ▶ Do not use damaged disk grinding rings.
- Check disk grinding ring for damage before installation.
- ▶ Do not equip disk grinding ring with new diamond segments.

2.8.16 Fuel / refuelling

Contact with petrol and oil can cause allergic reactions.

- ► Wear protective gloves.
- ▶ If petrol or oil come into contact with skin, wash affected areas immediately with plenty of water.

Refuelling

- Switch motor off when refuelling the motor saw.
- Smoking and naked flames are prohibited.
- ▶ Allow machine to cool before refuelling.
- ► Fuel can contain substances similar to solvents. Avoid skin and eye contact with mineral oil products. Wear gloves when refuelling. Change and clean protective clothing at frequent intervals. Do not inhale fuel vapour. Breathing in fuel vapour can cause physical injury.
- ▶ Do not spill fuel or oil. If fuel or oil is spilled, clean motor saw immediately. Do not allow fuel to come into contact with clothing. If clothing comes into contact with fuel, replace clothing immediately!
- ▶ Ensure that no fuel or oil gets into the soil (environmental protection). Use a suitable surface.
- ▶ Do not refuel in confined spaces. Fuel vapour accumulates at floor level (risk of explosion).
- ► Ensure that screw plugs of fuel tank and oil tank are closed properly.
- ► Change location before starting the motor saw (at least 3 metres away from refuelling station).
- ► Fuel has a limited storage time. Only buy as much as you intend to use within a foreseeable time
- Always transport and store fuel and oil in approved and marked canisters. Keep children away from fuel and oil.

2.8.17 Explosion hazard

Starting of fires and smoking in the immediate vicinity of the ring saw is strictly prohibited.

2.8.18 Transport

- ▶ Never transport the motor saw while it is running!
- ► Always carry motor saw with the bow-type handle.

2.9 Risk of property damage

2.9.1 Lateral cutting

Cutting with the sides of the blade can damage the disk grinding ring.

▶ Do not cut laterally.

2.9.2 Defective water cooling

The disk grinding ring can be damaged if the water cooling is defective.

▶ Do not operate the ring saw without water cooling.

2.9.3 Frost damage

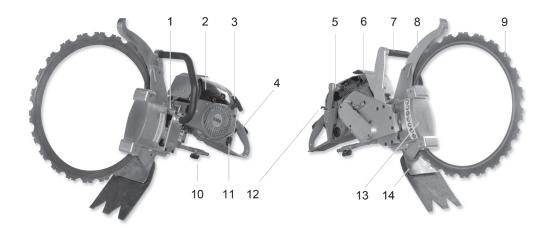
▶ At the end of work or before long stop periods, drain and blow out the water system.

2.9.4 Storage

- ➤ Store the motor saw securely in a dry room. The saw must not be kept outdoors. Keep children away from the motor saw.
- ▶ The fuel tank and the oil tank must be drained completely during longer storage periods and when shipping the motor saw.

Description 3

3.1 **Ring saw**



- 1 Roll pretensioner
- 2 Petrol motors
- 3 Starting handle4 Operating handle
- 5 Anti-vibration element
- 6 Metal guard
- 7 Bow-type handle
- 8 Ring guard
- 9 Disk grinding ring
- 10 Water connection
- 11 Fuel tank cap
- 12 Choke lever and part throttle lock
- 13 Housing
- 14 Splash guards

3.2 **Accessories**



- 1 Allen key WAF 5/32"
- 2 Allen key WAF 1/4"
- 3 Open-ended spanner WAF 9/16"

4 Preparatory operations

The work is prepared in the following way:

- 1. Sort out fundamental conditions:
 - Location of supply lines in walls, floors and ceilings.
 - Cooling water drainage (risk of electric shock and water damage)
- 2. Securing the site.
- **3.** Secure cut-outs in walls, ceilings and floors (e.g. crane or supports). Take weight of concrete into consideration (1 m³ corresponds to 2400 to 2700 kg). Decide on position and sequence of cuts.
- **4.** Perform a visual inspection of the ring saw.

4.1 Position and order of cuts

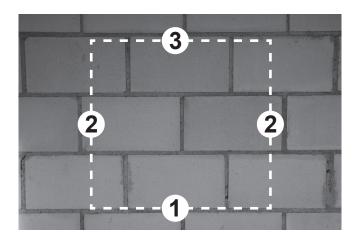
4.1.1 Define position

- ▶ Obtain information about the concrete or masonry that is being sawn.
 - Where does the reinforcement run?
 - Is it heavily or lightly reinforced?
- Cut across the concrete if possible.

4.1.2 Define the sequence of cuts



Using the wrong cut sequence can result in the disk grinding ring getting jammed.



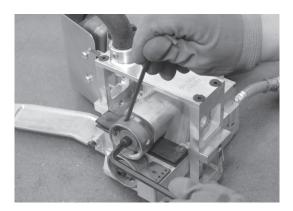
▶ Define cutting sequence (for example, for a window cutout carry out the bottom cut first, then the side cuts and finally the top cut).

5 Assembly / Disassembly

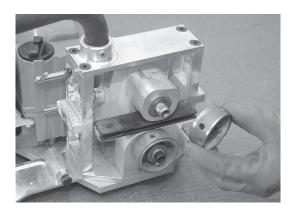
5.1 Mounting the disk grinding ring



1. Remove the housing.



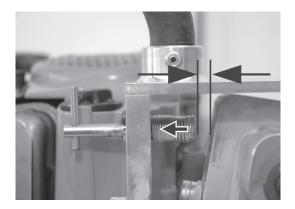
2. Undo smooth mounting bolt at drive roll.



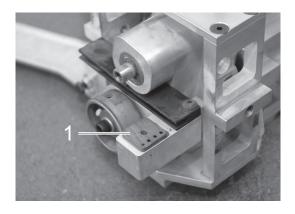
3. Remove smooth drive roll.



4. Clean disk grinding ring thoroughly.

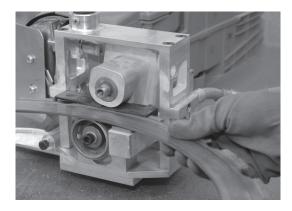


5. Pull out and lock roll pretensioner.

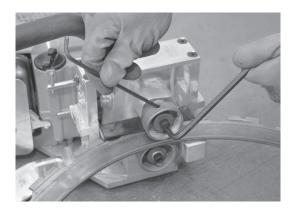


6. Replace sliding plate (1).

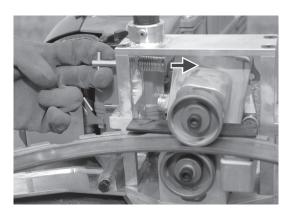
Page 14 Ring saw HRG500 ★★★



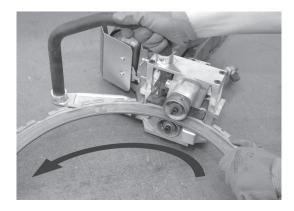
7. Place disk grinding ring on profiled driver roll. When doing this, ensure that groove of disk grinding roll is on projection of profiled drive roll.



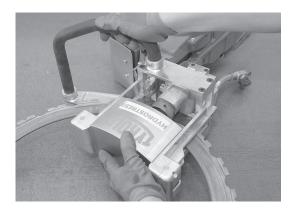
8. Fit smooth drive roll and screw in place.



9. Undo roll pretensioner.



10. Check freedom of movement of disk grinding ring.

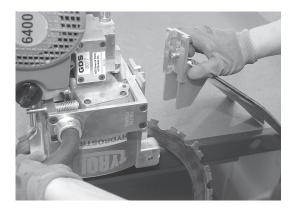


11. Fit housing but do not screw in place yet.

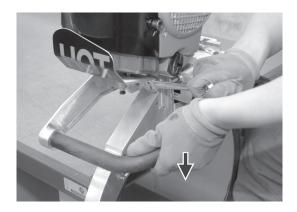
5.2 Fit safety equipment



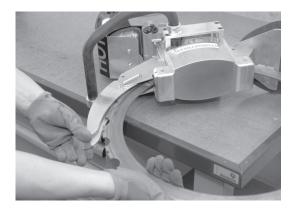
1. Position housing on edge of table.



2. Screw splash guards loosely into position.



- 3. Push housing downwards onto subsurface and hold down.
- **4.** Screw ring and splash guard into place.



5. Swivel ring guard over disk grinding ring.

Making the hose connection 5.3

Preparations for connection 5.3.1

- Ensure that coupling, ring saw and supply line are clean.Check hose and coupling for damage.

5.3.2 **Connect water hose**



Connect water hose.

6 Operation

6.1 Working

6.1.1 Starting the motor

Cold start:



- ✓ The motor saw must be kept at least 3 metres away from the refuelling location.
- ✓ The disk grinding ring has been checked and is correctly fitted.
- ✓ The water supply is secured.
- ▶ Open water supply and check ring saw water outlet.
- ► Take a secure stance and place motor saw on floor in a position whereby the sawing equipment is unobstructed.
- ▶ Hold bow-type handle firmly with one hand and push motor saw downwards.



- ▶ Pull out choke lever (4) until it is felt to engage. The part throttle lock is engaged at the same time.
- ▶ Push I/STOP switch (3) of ignition in direction of arrow. Slowly pull out starting cord (5) until resistance can be felt (piston is at top dead centre).
- Now pull quickly and powerfully until first audible ignition takes place.

 Caution: Do not pull starting cord out by more than 50 cm, and always lead back slowly by hand.
- ▶ Push in starter valve (6).
- ▶ Push in choke lever (4) and pull starting cord again. As soon as motor is running, get hold of handle (safety locking button (2) is operated using the palm of your hand) and press the throttle (1). The part throttle lock is cancelled and the motor runs at idle speed. Warning: The motor must be set to idle speed immediately after starting, otherwise the clutch could be damaged.

Warm start:

As described under cold start, but before starting, pull out choke lever (4) and push in again to activate the part throttle lock.

6.1.2 Cutting

Position disk grinding ring below the centre. Always start cutting with the disk grinding ring rotating.



WARNING

Risk of injury from sudden ring saw recoil.

Do not apply disk grinding ring above the middle of a workpiece edge.



Cutting technique



It is more economical to divide the entire cutting depth into several cuts.



- For optimum guidance, first make a 50 to 70 mm cut.
- Divide the entire cut depth into several cuts.

6.2 Terminating the work

- **1.** Switch off motor using the stop switch
- 2. Close off water supply and disconnect.
- **3.** Blow out water from all lines.
- **4.** Clean ring saw with water.

7 Maintenance

| Servicing and maintenance table | | | | | | | |
|---------------------------------|---|-----------------|----------------|--------|--------|--------------|--------------|
| | | Before each use | At end of work | Weekly | Yearly | After faults | After damage |
| Motor | ► Check motor (damage, leaks, cleanliness) | Х | Х | | | Х | Х |
| Air filter | Clean air filter (see 7.1). | | Х | | | Х | Х |
| Water supply | Check water line (damage, leaks, cleanliness) | Х | Х | | | X | Х |
| | ▶ Blow out water (risk of frost). | | X | | | | |
| Rollers | ► Check rollers for wear. | Х | | | | Х | |
| Ring guard | ► Check ring guard. | Х | | | | | |
| Disk grinding ring | ► Check the disk grinding ring for wear. | Х | Х | | | | |
| Guide plate | ► Check alignment of guide plate. | Х | | | | | |
| Major service | ► To be performed by TYROLIT Hydro- stress AG or an authorised workshop. | | | | Х | | |



Repairs and maintenance work on the drive motor can be carried out directly by a Dolmar specialist workshop.

You can find the nearest Dolmar specialist dealer at www.dolmar.com.

7.1 Clean air filter

The nonwoven fabric filter needs cleaning if you notice a loss of power when working with the saw.

Replace filter if there is no significant power increase after cleaning.



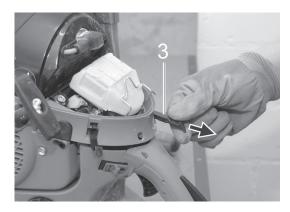
- ✓ Wear safety goggles to avoid eye injuries.
- ✓ Do not clean air filter with fuel!



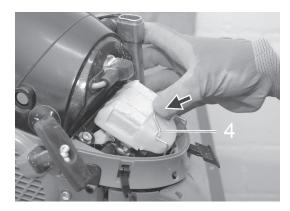
1. Unhook filter hood fastening clips (1) with a screwdriver.



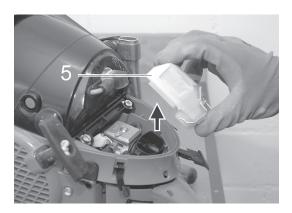
2. Remove filter hood (2).



3. Pull out choke (3) to prevent dirt particles from falling into the carburettor.



4. Unhook air filter retaining bracket (4) by pushing it in the direction of the arrow as shown in the illustration.



5. Pull off air filter from above.



Cover intake openings with a clean rag to prevent dirt particles from falling into the carburettor compartment.



6. Disconnect upper and lower part of air filter as shown in illustration. Carefully knock out or gently blow out from the inside with compressed air.



Do not clean with a brush, otherwise dirt will be pressed into the fabric. Wash out heavily soiled nonwoven fabric filter in lukewarm soapy water using normal washing-up liquid.



7. Clean filter elements.



Cleaning the nylon filter, the nylon sieve and the filter hood of the pre-filter:

Clean with a paintbrush or other soft brush, or gently blow out from the inside with compressed air. Wash out heavily soiled nylon filter in lukewarm soapy water using normal washing-up liquid. In the event of heavy soiling, clean (several time per day), since the full power of the motor can only be attained with a clean air filter. Dry air filter properly. Re-assemble top and bottom part.



Replace damaged air filter immediately! Broken-off pieces of fabric and large dirt particles can destroy the motor.



8. Installing the filter and the filter hood.



Before installing the air filter, check the choke flap for any dirt particles that may have fallen in. Remove if necessary. Insert air filter and push down air filter retaining bracket until it engages. Push in the choke and depress gas lever once to deactivate the semi-throttle position. Attach filter hood and secure with locking clips.

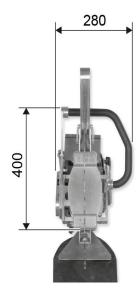
8 Malfunctions

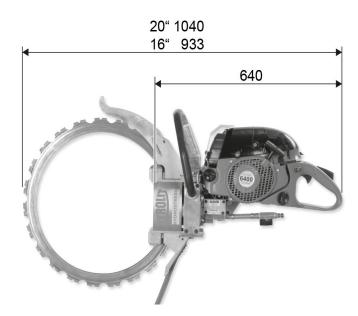
| Malfunction | Possible cause | Remedy |
|--|---|--|
| Motor does not start | Main switch in stop position | Operate main switch |
| | Fuel supply fault | Check petrol and oil level Check whether petrol line is kinked, blocked or broken |
| | Plug connector, plug defective | Replace plug Notify TYROLIT Hydrostress AG after-sales service |
| | Choke in wrong position | ► Correct choke position |
| | Carburettor defective, supply suction head soiled | ► Notify TYROLIT Hydrostress AG after-sales service |
| | Cylinder base seal defective, damaged radial shaft seals, cylinder or piston rings damaged | ► Notify TYROLIT Hydrostress AG after-sales service |
| | Fault or short circuit in cabling | ► Notify TYROLIT Hydrostress AG after-sales service |
| Warm start problems | Carburettor setting incorrect | ► Notify TYROLIT Hydrostress AG after-sales service |
| Lack of power | Air filter soiled | ► Clean filter element (see 7.1) |
| | Carburettor setting wrong, silencer clogged, exhaust duct in cylinder clogged, spark protection strainer clogged | ► Notify TYROLIT Hydrostress AG after-sales service |
| Motor starts up, but dies again immediately | Incorrect idle setting, suction head or carburettor soiled, tank ventilation defective, cable damaged, I/STOP switch defective, start valve soiled. | ► Notify TYROLIT Hydrostress AG after-sales service |
| Disk grinding ring does not rotate | Disk grinding ring not correctly fitted to profiled drive roller. | ► Fit disk grinding ring correctly |
| | Drive rollers soiled | ► Clean drive rollers |
| | Roll pre-tensioner not engaged | ► Check roll pre-tensioner |
| Disk grinding ring rotating too slowly | Drive rollers worn | ► Replace drive rollers |
| | Defective roller bearings | ► Replace roller bearings |
| | Not enough motor power | ► Check motor |
| | Roll pre-tensioner not engaged | ► Check roll pre-tensioner |
| Disk grinding ring jumping out | Too much roller clearance | ► Check roll pre-tensioner |
| | Drive rollers worn | ► Replace drive rollers |
| | Disk grinding ring damaged | ► Replace disk grinding ring |
| | Roll pre-tensioner not engaged | ► Check roll pre-tensioner |

| Malfunctions | | |
|---|--|---|
| Malfunction | Possible cause | Remedy |
| Disk grinding ring warped | Disk grinding ring not sufficiently cooled | Endure that water cooling is presentReplace disk grinding ring |
| Diamond segments breaking off | Disk grinding ring warped | ► Replace disk grinding ring |
| | Hard resistance in workpiece | ► Replace disk grinding ring |
| | Segments not properly soldering or welded | ► Replace disk grinding ring |
| Disk grinding ring slipping | Driver rollers for sliding properly in housing (insufficient contact between disk grinding ring and drive rollers) | ► Check roll pre-tensioner |
| | Drive rollers worn (e.g. by chafing drive and insufficient water supply) | ► Replace drive rollers |
| | Shoulders of drive rollers worn by more than 50% | ► Replace drive rollers |
| | Inner edge and guide groove of disk grinding ring worn (insufficiently rinsed-out dust or worn drive rollers) | ▶ Replace drive rollers |
| No water exiting from disk grinding | Water line blocked | ► Clean the water line |
| ring | Water valve on feed line is closed | ▶ Open water valve |
| | Insufficient water pressure | ► Ensure that minimum water pressure of 3 bar is present |
| Sparks coming out of side of disk grinding ring | Low water supply | ► Check water supply and increase |
| Operating handle greasy | Motor component seals defective | ► Check motor components |

9 Technical data

9.1 Dimensions





Measurements in mm

9.2 Ring saw

| Dimensions and weights | | |
|-------------------------------------|---------|--|
| Parameter | Value | |
| Weight (without disk grinding ring) | 13.5 kg | |
| Width | 260 mm | |
| Height | 510 mm | |
| Length (without disk grinding ring) | 640 mm | |

| Noise emission (EN ISO 3744) | | |
|---------------------------------------|--------------|--|
| Parameter | Value | |
| Sound pressure level L pA | 100.5 dB(A)* | |
| Maximum sound pressure level L pCpeak | 111.1 dB | |
| Sound power level L _{wA} | 120.5 dB(A)* | |

^{*} Conditions for the measurement:

Disk grinding ring Ø 510 mm (20") not in cutting operation under full load

| Vibration (EN ISO 5349) | | |
|---------------------------------------|-----------------------|--|
| Parameter | Value | |
| Total vibration value a _{hv} | <2.5 m/s ² | |

9.3 Motor

| Combustion engine | | |
|---|---|--|
| Parameter | Value | |
| Туре | Two-stroke motor, air cooled | |
| Displacement | 64 ccm ³ | |
| Bore | 47 mm | |
| Stroke | 37 mm | |
| Max. output at speed of | 3.5 kW / 9,000 rpm | |
| Max. torque at speed of | 4.2 Nm / 6,500 rpm | |
| Idling speed | 2,500 rpm | |
| Clutch engaging speed | 3,200 rpm | |
| Carburettor (diaphragm carburettor) | Make: ZAMA | |
| Ignition system | Make: electronic | |
| Sparkplug | Make: NGK BPMR 7A or BOSCH WSR 6F | |
| Electrode clearance | 0.5 mm | |
| Fuel | Lead-free petrol, minimum octane 91 ROZ | |
| Motor oil | synthetic two-stroke motor oil | |
| Fuel consumption at maximum power | 1.72 kg / h | |
| Fuel tank capacity | 0.75 | |
| Mixing ration (fuel/2-stroke oil) | | |
| - when using DOLMAR oil | 50:1/100:1 (HP 100) | |
| - when using Aspen alkylate (2-stroke fuel) | 50 : 1 (2%) | |
| - when using other oils | 50 : 1 (quality grade JASO FC or ISO EGD) | |

9.4 Water supply

| Water supply | | |
|------------------|--------------------------|--|
| Parameter | Value | |
| Working pressure | min. 3 bar max. 6 bar | |
| Flow rate | At least 5 l/min | |
| Temperature | max. 25 °C | |

9.5 Disk grinding ring and cutting depth

9.5.1 Disk grinding ring

| Disk grinding ring | | |
|--------------------|---------------|--|
| Parameter | Value | |
| Diameter (max.) | 510 mm (20") | |
| Cooling | Water cooling | |

9.5.2 Cutting depth

| Cutting depth | | |
|-----------------------------|---------------|--|
| Disk grinding ring diameter | Cutting depth | |
| 510 mm (20") | 407 mm | |
| 406 mm (16") | 300 mm | |

10 EC Declaration of Conformity

Description Ring saw with petrol motor

Type designation HRG500 ★★★

Year of construction 2012

We declare under our sole responsibility that this product complies with the following directives and standards:

Directive applied

2006/14/EC 08.05.2000 2006/42/EC 17.05.2006 2004/108/EC 15.12.2004

Applied standards

EN ISO 12100:2010 EN ISO 19432:2008

Manufacturer

TYROLIT Hydrostress AG Witzbergstrasse 18 CH-8330 Pfäffikon Switzerland

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Pfäffikon, 24.04.2012

Pascal Schmid

Development Manager