Please read these instructions carefully and make sure you understand them before using the electric telescopic hedge trimmer and branch lopper set

PLEASE READ AND SAVE THESE INSTRUCTIONS FOR FURTHER REFERENCE!

ANY QUESTIONS OR PROBLEMS? Please call the ECKMAN Helpline on: 0844 441 3011 or go to www.ECKMAN.co.uk
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**I. Technical Data:**

<table>
<thead>
<tr>
<th>Model</th>
<th>PHCEG02A-450/ PHCEG02A (EKETC01)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage/Frequency</td>
<td>230V-240V~/50Hz</td>
</tr>
<tr>
<td>Input Power</td>
<td>450W/710W</td>
</tr>
<tr>
<td>No load speed (Hedge trimmer / Branch Lopper)</td>
<td>1800/min ./6500/min</td>
</tr>
<tr>
<td>Noise emission value LWA (Hedge trimmer / Branch Lopper)</td>
<td>measured 95dB(A) / 99 dB(A)</td>
</tr>
<tr>
<td>Hand / arm vibration a vhw (Hedge trimmer / Branch Lopper)</td>
<td>&lt; 2.52 m /s2 /&lt; 2.24 m /s2</td>
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<tr>
<td>Overall Length (Hedge trimmer / Branch Lopper)</td>
<td>3.0m /2.9m</td>
</tr>
<tr>
<td>Length of cutter blade (Hedge trimmer / Branch Lopper)</td>
<td>450mm/250MM</td>
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<tr>
<td>Set Net Weight(without power cord)</td>
<td>6.50Kgs</td>
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<tr>
<td>Branch Lopper Chain and Bar</td>
<td>10 inch Oregon Chain and Oregon Bar</td>
</tr>
<tr>
<td>Maximum Diameter Cut of The reciprocating Hedge Trimmer blade</td>
<td>16mm/1/2”</td>
</tr>
<tr>
<td>Weight of hedge trimmer with handle / weight of branch lopper with handle</td>
<td>4.1KGS/4.4KGS</td>
</tr>
<tr>
<td>Minimum reach of hedge trimmer / minimum reach of lopper</td>
<td>2.15M/2.05M</td>
</tr>
<tr>
<td>Blade Adjustment Degrees (Hedge trimmer / Branch Lopper)</td>
<td>+60° to -80°/+15° to -15°</td>
</tr>
</tbody>
</table>

**II. Intended Use**

This Mains Hedge Trimmer And Branch Lopper set is intended for the cutting of hedges, shrubs, branches and grass coverings in private domestic gardens and allotments. If used for purposes other than those intended, this will invalidate your guarantee.
III. Explanation of Symbols on your product

WARNING!

Read the user instructions carefully to make sure you understand all the controls and what they do.

Remove plug from the mains immediately if the cable is damaged or cut.

Do not expose to rain.
Do not leave the product outdoors while it is raining.

The use of eye protection is recommended.

IV. Safety Instructions

If not used properly this product can be dangerous. The warnings and safety instructions must be followed to ensure reasonable safety and efficiency in using this product. The operator is responsible for following the warnings and instructions in this manual and on the product. Never use the product unless the guards provided by the manufacturer are in the correct position.

For safety reasons, children under the age of 16 and people not familiar with these operating instructions must not use this telescopic hedge trimmer. Persons with reduced physical or mental abilities may use the telescopic hedge trimmer only if they are supervised or instructed by a responsible person.
General Power Tool Safety Warnings

WARNING ! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.
The term “power tool” in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

1) Work area safety
   a) Keep work area clean and well lit.
   Cluttered or dark areas invite accidents.

   b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
   Power tools create sparks which may ignite the dust or fumes.

   c) Keep children and bystanders away while operating a power tool.
   Distractions can cause you to lose control.

2) Electrical safety
   a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adaptor plugs with earthed (grounded) power tools.
   Unmodified plugs and matching outlets will reduce risk of electric shock.

   b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.
   There is an increased risk of electric shock if your body is earthed or grounded.

   c) Do not expose power tools to rain or wet conditions.
   Water entering a power tool will increase the risk electric shock.

   d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.
   Damaged or entangled cords increase the risk of electric shock.

   e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.
   Use of a cord suitable for outdoor use reduces the risk of electric shock.

   f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.
   Use of an RCD reduces the risk of electric shock.

3) Personal safety
   a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.
   A moment of inattention while operating power tools may result in serious personal injury.

   b) Use personal protective equipment. Always wear eye protection.
Protective equipment such as dust mask, non-slip safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.
Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on.
A wrench or a key left attached to a rotating part of the power tools may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times.
This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
Loose clothes, jewelry or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.
Use of dust collection can reduce dust-related hazards.

4) Power tool use and care
a) Do not force the power tool. Use the correct power tool for your application.
The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off.
Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool’s operation. If damaged, have the power tool repaired before Use.
Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean.
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account
the working conditions and the work to be performed.
Use of the power tool for operations different from those intended could result in a hazardous situation.

5. Service
Have your power tool serviced by a qualified repair person using only identical replacement parts.
This will ensure that the safety of the power tool is maintained.

Pole hedge trimmer and branch lopper safety warnings:
• Keep all parts of the body away from the cutter blade. Do not remove cut material or hold material to be cut when blades are moving. Make sure the machine is unplugged from the power supply when clearing jammed material.
A moment of inattention while operating either trimmer may result in serious personal injury.

• Carry the pole hedge trimmer and branch lopper by the handle with the cutter blade stopped. When transporting or storing the pole hedge trimmer and branch lopper set always fit the cutting device cover. Proper handling of the pole hedge trimmer and branch lopper will reduce possible personal injury from the cutter blades.

• Hold the power tool by insulated gripping surfaces only, because the cutter blade may contact hidden wiring or its own cord.
Cutter blades contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.

• Keep cable away from the cutting area.
During operation the cable may be hidden in shrubs and can be accidentally cut by the blade.

Additional Safety Recommendations
Work area safety
Only use the product in the manner and for the functions described in these instructions. The operator or user is responsible for accidents or hazards occurring to other people or their property.

Electrical safety
The British Standards Institute recommends the use of a Residual Current Device (R.C.D.) with a tripping current of not more than 30mA. Check your R.C.D. every time you use it. Before use, examine cable for damage. Have it replaced by a qualified electrician or Eckman Service Centre if there are signs of damage or ageing.

Do not use the product if the electric cables are damaged or worn.

Immediately disconnect from the mains electricity supply if the cable is cut, or the insulation is damaged. Do not touch the electric cable until the electrical supply has been disconnected.

Your electric cable must be untangled. Tangled cables can overheat and reduce the efficiency of your product.

Always switch off at the mains before disconnecting any plug, cable connector or extension cable.

Switch off, remove plug from mains and examine electric supply cable for damage or ageing before winding cable
for storage. Do not repair a damaged cable. Replace it with a new one.

Always wind cable carefully, avoiding kinking.

Use only on AC mains supply voltage shown on the product rating label.

Under no circumstances should an earth be connected to any part of the product. This product is double insulated and does not require an earth.

**Cables**
Use only permitted extension cables as per HD 516. → Ask your electrical specialist.

**Personal safety**
Always wear suitable clothing, gloves, and stout shoes.

Thoroughly inspect the area where the product is to be used and remove all wires and other foreign objects.

All adjustments (turning the blade unit, inclining the blade head) should be made with protective sheath in place, and the Hedge Trimmer must not rest on the blade in the process.

Before using the machine and after any impact, check for signs of wear or damage and repair as necessary.

Before using the pole hedge trimmer, always make sure that the hand guard provided is fitted.

Never attempt to use an incomplete product or one with an unauthorised modification. Incomplete or modified products are potentially dangerous and will invalidate your guarantee.

**Power tool use and care**
Know how to stop the product quickly in an emergency.

Never hold the product by the guard.

Do not use the machine if the protection equipment (hand protection, 2-hand safety switch, protection cover, quick blade-stop) are damaged.

Do not use ladders whilst operating the product.

**Remove the plug from the mains:**
- before leaving the product unattended for any period;
- before clearing a blockage;
- before checking, cleaning or working on the appliance;
- if you hit an object. Do not use your product until you are sure that the entire product is in a safe operating condition;
- if the product starts to vibrate abnormally. Check immediately. Excessive vibration can cause injury.
- before passing to another person.
Maintenance and storage

RISK OF INJURY!
Do not touch blades.

→ When finishing or interrupting work fit protective cover.

Keep all nuts, bolts and screws secure to be sure the telescopic hedge trimmer is in safe working condition. Store disconnected, in a safe dry environment out of the reach of children.

V. Part Identification
1. Shoulder Strap  
2. Strap Connector  
3. Main Handle  
4. Throttle Control Locking Button  
5. On/Off Switch  
6. Power Cord (10m supplied with UK specifications)  
7. Plug (European plug illustrated. Fused BS Approved Plug Supplied)  
8. Extension Pole Locking Hexagon Screw (tighten with Hex key (included)) – in some cases instead of the hex key a hand tightening knob is provided for convenience  
9. Hedge Trimmer Head Locking Knobs  
10. Hedge Trimmer Head Angle Adjust Button  
11. Hedge Trimmer Blade Guard  
12. Hedge Trimmer Blade  
13. Branch Lopper Chain  
14. Branch Lopper Blade  
15. SDS (Branch Lopper Blade And Chain Tension) Control Knob  
16. Branch Lopper Blade Cover  
17. Branch Lopper Angle Adjust Button  
18. Branch Lopper Head Pole Connection Locking Knob Holes  
19. Branch Lopper Blade Guard  
20. Telescopic Pole  
21. Branch Lopper Motor  
22. Hedge Trimmer Motor  

vi. Assembly

Unpacking  
This product requires assembly.  
Carefully remove the product from the box.  
Inspect the product carefully to make sure no breakage or damage occurred during shipping.  
Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

**BEFORE ASSEMBLY** Firstly unpack and check all parts have been supplied. If you think any parts are missing, first check the packaging again before calling the Eckman helpline on 0844 441 3011.

**WARNING:**  
If any parts are damaged or missing, do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

**WARNING:**  
Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

**WARNING:**
Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

**Shoulder Strap Assembly**

Connect the end of the strap with the spring clip to the handle as per Figure 15 below:

![Fig 15](image1)

Connect the other end of the strap with the ‘quick-release’ to the handle as per Figure 16 below:

![Fig 16](image2)

Adjust the length of the shoulder strap to ensure the machine is well balanced and as comfortable as possible. Use the strap to take the weight of the trimmer, especially when the telescopic poles are fully extended. Using the strap to its potential will make trimming much easier, faster and less tiring.

**Grip Handle Assembly and Adjustment**

Our machine is supplied with an extra grip handle that you may prefer to use instead of the black sponge grip on the handle. Fit the handle as illustrated in Fig 17 below. The handle support bracket which has to be fitted to the pole using the two screws supplied has the same shaped oval profile as the pole and MUST be fitted with the profiles in the same direction. Once the bracket is fitted, fit the handle using the hand-tightening knob. This can be angled and locked in whichever position you find most comfortable. Please see Fig 18 below. **FOR YOUR SAFETY AND THE SAFETY OF ONLOOKERS IT IS VITAL TO ENSURE YOU TIGHTEN AND LOCK THIS HANDLE SECURELY TO PREVENTING IT MOVING.**
Telescopic Hedge Trimmer Assembly

One-time assembly is required.

Remove from packaging and extend the telescopic pole to its longest operating position as shown in Figure 1 as below.

Using the Hand Knob supplied to tighten the extension pole by turning the knob clockwise. Make sure the knob has been tightened completely. See Figure 2 below.
Adjusting the extension pole length:
Release the extension pole knob by turning it anti-clockwise. Place one hand on one pole section and the other hand on the other section. Pull the pole sections together to shorten the overall length or pull apart to lengthen. See Figure 19 below;

NOTE: Extend the telescopic pole only to the length required to reach the hedges and branches being trimmed. Do not extend the handle above waist height. When the desired length is achieved, tighten the Extension pole knob screw.
NOTE: Adjust hand placement on the telescopic pole grip or additional handle to achieve proper balance. Do this in combination with using the shoulder strap as described previously. Do not attempt to use the pole hedge trimmer or branch lopper at a length which does not allow you to achieve proper footing and balance at all times.

Fitting Either The Hedge Trimmer Or Chainsaw Motor Heads:
Connect the motor’s pole connection collar into the extension pole connection collar until you hear of the locking sound “Cluck”. Check both parts are locked together by trying to pull them apart. See Figure 3 below. (Note: The motor head Locking Hole should be on the same side with the extension pole Lock Catch).
Fit and tighten the two Head Locking Knobs - see Figure 4 below. (Note The locking knob fixing holes should be on the same side with the extension pole Locking Knob fixing holes)

Installing the guide bar and saw chain to the chainsaw/lopper attachment:

**WARNING**

The saw chain has very sharp edges. Use thick protective gloves for safety.

1. Loosen the SDS bar cover knob and remove the bar cover. See Fig 7.

2. Position the chain around the sprocket and then around the guide bar. (Note: If the chain is not properly fitted over on the sprocket, the chain saw lopper will not work and could cause serious injury). Mount the guide bar to the power head by the bar cover with SDS button. (Note: the lopper head incorporates an SDS chain tightening system. The inner knob is used to fasten the cover. The outer knob is used to tension the chain.) See Fig 8 as below.
3. Adjust the chain tension by turning the chain tension SDS outer knob until the tie straps just touch the bottom of the bar rail. Turning clockwise tightens the chain tension. Then check the chain for smooth rotation and proper tension while moving it by hand (wear gloves). If necessary, readjust the outer chain tension knob (but loosen the bar cover first) See Fig 10.

4. Filling With Chain Lubrication Oil.
NEVER use the chainsaw without chain oil as this will cause almost immediate damage and will not be covered by the warranty. A small empty 100ml capacity bottle is supplied to measure the oil for filling the branch lopper oil tank. Only fill the oil reservoir ¾ full. Do not over-fill more than 3/4. Chain oil is available from all good retailers of garden machinery and DIY stores. See Fig 14 as below.

![Image](image_url)

**Fig 14**

### VII. Application Range

The machine is designed for cutting and trimming hedges, branches, bushes and shrubs around your house or allotment. Any other usage will invalidate your guarantee.

The electric hedge trimmer and branch lopper is designed for use by adults. Adolescents over 16 years may use it only under supervision. DO NOT USE this machine in the rain or damp conditions.

The operator or user is responsible for accidents or damage to other people or their property. The manufacturer is not liable for any damage caused due to incorrect operation.

### VIII. Connection

This machine may only be connected to single-phase 230VAC 50Hz UK Mains outlet. Ensure that the mains voltage is the same as the operating voltage indicated on the rating plate.

### IX. Operation

**WARNING:**

- Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

**WARNING:**

- Always wear CE approved safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury. Wear head protection when using the lopper.

**WARNING:**

- Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.
STARTING AND STOPPING
See Figure 11 as bellow.

Fig 11
Connect the hedge trimmer plug to power supply.
To start the blade movement, push the lock-off button and then pull the trigger switch.
To stop blade movement, release the trigger switch.

ADJUSTING PIVOTING HEAD
See Figure 12.
Disconnect the plug from the power supply.
Place the hedge trimmer or branch lopper on a flat surface.
Depress both pivot buttons and adjust trimmer or lopper angle adjustment head until it snaps securely into place at one of their available positions indicated.

Fig 12

CAUTION:
Do not place hand between pivoting head and threaded base. Failure to heed this caution could result in a pinch point injury.

CUTTING TIPS

WARNING:
Always keep both hands on the hedge trimmer/branch lopper handles. Never hold shrubs or branches with one hand and operate hedge trimmer /branch lopper with the other. Failure to heed this warning can result in serious injury or even death.

**WARNING:**
Clear the area to be cut before each use. Remove all objects such as cords, lights, wire, or loose string which can become entangled in the cutting blade and create a risk of serious personal injury.
When operating the hedge trimmer/branch lopper, keep the mains lead behind the trimmer/lopper. Never drape it over the hedge /branches being cut.
Do not force the hedge trimmer/branch lopper through heavy shrubbery. This can cause the blades to bind and slow down. If the blades slow down, reduce the pace or diameter of the branches.
If blades become jammed, stop the motor, allow the blades to stop, and disconnect the plug from the power source before attempting to remove the obstruction.
If desired, you can use a string to help cut your hedge level. Decide how high you want the hedge. Stretch a piece of string along the hedge at the desired height. Trim the hedge just above the guide line of string. Trim the side of a hedge so that it will be slightly narrower at the top. More of the hedge will be exposed when shaped this way, and it will be more uniform. Take extra care not to cut or entangle the string in the cutting blades of the trimmer.
Wear gloves when trimming/cutting branches, thorny or prickly growth hedges. When trimming new growth, use a wide sweeping action, so that the stems are fed directly into the cutting blade. Older growth will have thicker stems and will be trimmed easiest by using a sawing movement.

**X. Maintenance And Servicing**

- Before carrying out any checks or maintenance operations, disconnect the plug from the electric power supply.
- Check your machine regularly before starting the work.
Damaged cutting blades have to be repaired or exchanged by a qualified service man before working with the machine.
- After each cutting operation, clean the cutting blade with a soft brush and cloth with lubricating fluid oil and spray a thin layer of fluid protective oil.
- Always keep the ventilation slots in motor housing clean.
- Never clean or spray a machine with water. Clean the motor housing only with a moist cloth and never use detergents or solvents! These could ruin the plastic parts of the machine. Finally, dry the motor housing carefully.
- Store the machine with the supplied protection cover.

**XI . Guarantee:**

This product is guaranteed against faulty workmanship for a period of 24 months from date of purchase. Your guarantee will be invalidated if the machine is modified in any way, used for purposes outside the parameters of this instruction manual or willfully damaged or abused. Your statutory rights remain unaffected.
**XII. EC Declaration of conformity**

The undersigned, as authorised by: Ningbo Energy Power Tools Co., Ltd

Declares that the following equipment manufactured by Ningbo Energy Power Tools Co., Ltd

has been tested and conforms to the Directive: -


of the European Parliament and of the council on the approximation of the laws of the Member States relating
to the noise emission in the environment by equipment for use outdoors.

Equipment Category - (As defined in the Directive)

Product Name: ELECTIC HEDGE TRIMMER AND BRANCH LOPPER SET

Factory Model/ECKMAN Model: PHCEG02A-450/EKETC01

Description: 230-240V/50HZ

The technical documentation is kept by: Ningbo Energy Power Tools Co., Ltd

Add: Chengjia Cun Dongqiao Industrial Zone, Yinzhou District, Ningbo 315157 China,

The conformity assessment procedure followed was in according with annex (EN60745-1:2009+A11.EN ISO

A copy of this certificate has been submitted to the European Commission and to EU Member State: the
United Kingdom

Place of Declaration: Ningbo, Zhejiang, China

Date: June 30, 2014

Signed by:

Sun Xu
Position in Company: GENERAL MANAGER
Name and address of manufacturer or Authorised representative: Ningbo Energy Power Tools Co., Ltd
Add: Chengjia Cun Dongqiao Industrial Zone, Yinzhou District, Ningbo 315157 China,

**IMPORTED BY ECKMAN CO., LTD**
**ADD: 29 WELBECK STREET, LONDON W1G 8DA, ENGLAND**
XIII. Exploded View & Parts List

<table>
<thead>
<tr>
<th>NO.</th>
<th>NAME</th>
<th>NO.</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
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<td>1</td>
<td>Cable and plug</td>
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<td>Lock set A</td>
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<tr>
<td>2</td>
<td>Bushing</td>
<td>21</td>
<td>Tamper screws M5*14</td>
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<tr>
<td>3</td>
<td>Isobar board</td>
<td>22</td>
<td>Hexagon nuts M5</td>
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<tr>
<td>4</td>
<td>Screw ST4*16</td>
<td>23</td>
<td>Big extension rod</td>
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<tr>
<td>5</td>
<td>Screw ST3*10</td>
<td>24</td>
<td>Knob</td>
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<td>6</td>
<td>Terminal</td>
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<td>7</td>
<td>Stopper</td>
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<tr>
<td>8</td>
<td>Right power joint</td>
<td>27</td>
<td>Foam soft set</td>
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<td>9</td>
<td>Left power joint</td>
<td>28</td>
<td>Block set</td>
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<tr>
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<td>Left handle</td>
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<tr>
<td>11</td>
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<td>Right handle</td>
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<td>Hex bolt M5*25</td>
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<td>Locknut M6</td>
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<td>Bearing 628</td>
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<td>45</td>
<td>cCarbon brush</td>
<td>71</td>
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<td>Brush holder briquetting</td>
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<td>Stator briquetting</td>
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