



User Manual

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.



PRODUCED IN CHINA FOR:
ALDI STORES LTD. PO BOX 26, ATHERSTONE
WARWICKSHIRE, CV9 2SH.

ALDI STORES (IRELAND) LTD.
PO BOX 726, NAAS, CO. KILDARE.
Visit us at www.aldi.com

AFTER SALES SUPPORT

802984



GB +44(0) 1904727501 IE +353(0) 019022605



support@coreservice.co.uk

MODEL:

Z1G-DS-65H

01/2021

3
YEAR
WARRANTY

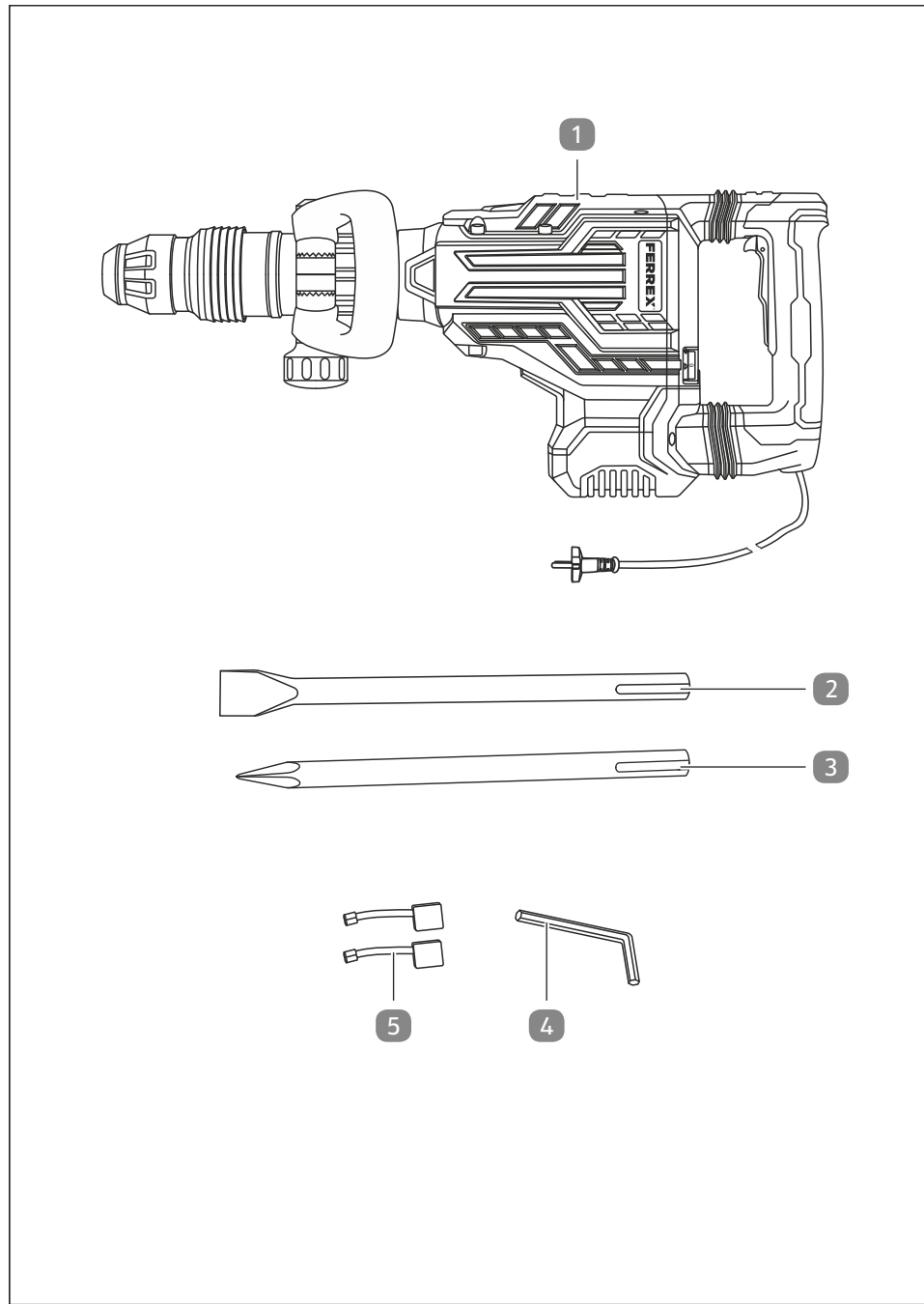
FERREX®

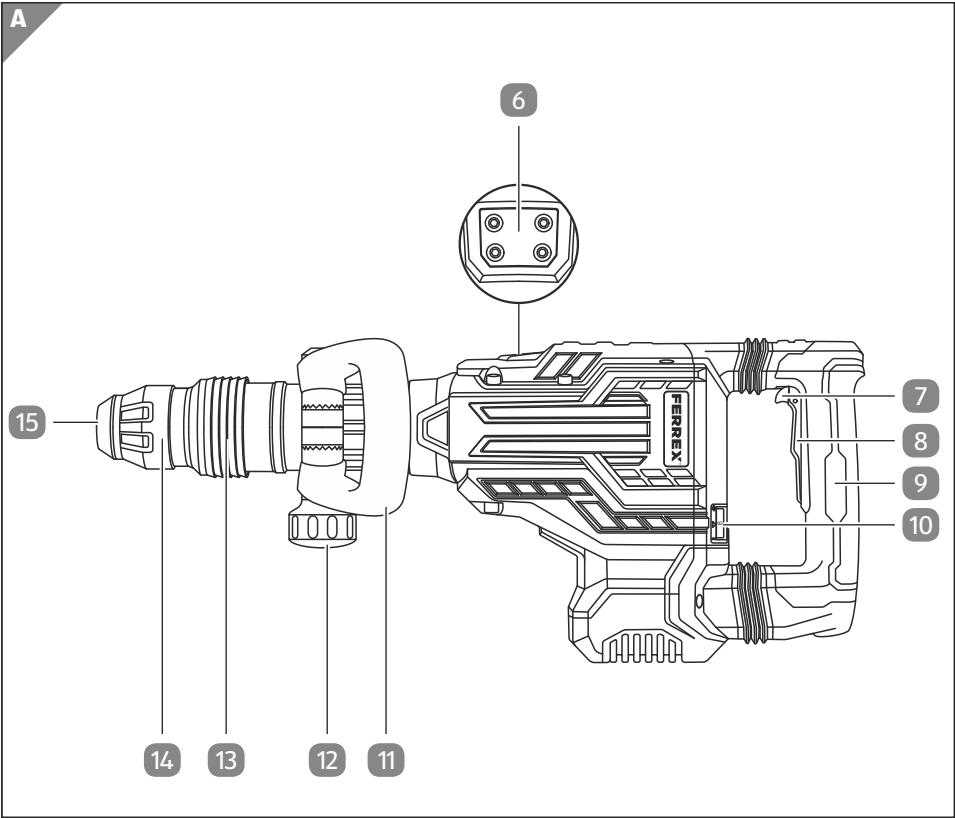
DEMOLITION BREAKER



Original User Manual

Overview





Scope of delivery/device components

- 1 Demolition breaker
 - 2 Flat bit
 - 3 Pointed bit
 - 4 3 mm Allen key
 - 5 Carbon brushes (2x)
 - 6 Grease cap
 - 7 Lock switch
 - 8 Main switch
 - 9 Main handle
 - 10 Blow count selector
 - 11 Extra handle
 - 12 Extra handle locking screw
 - 13 Bit adjusting sleeve
 - 14 Bit locking sleeve
 - 15 Bit holder
- Tool case (not illustrated)
- Operating manual and warranty card (not depicted)

Table of content

Overview	2
Scope of delivery/device components	4
General information	6
Reading and storing the operating manual.....	6
Proper use	6
Residual risks.....	6
Explanation of symbols	7
Safety	8
Safety notes.....	8
General safety notes for power tools.....	8
Before first use	13
Check the device and scope of delivery.....	13
Operation	13
Selecting the right bit.....	14
Inserting the bit.....	14
Setting the bit position.....	15
Adjusting the extra handle.....	16
Presetting the blow count.....	16
Turning the device on and off.....	17
Removing the bit.....	18
Handling the device	19
Cleaning and maintenance	21
Cleaning.....	21
Maintenance.....	21
Inspection	21
Storage	22
Transport	22
Troubleshooting	23
Technical data	24
Noise/vibration information.....	25
Disposal	25
Disposing of packaging.....	25
Dispose of old electrical device.....	25
Declaration of conformity	26

General information

Reading and storing the operating manual



This operating manual is part of the demolition breaker (hereinafter also called "device"). It contains important information on how to set up and use the product.

Before using the device, read the operating manual carefully, in particular the safety instructions. Failure to follow this operating manual may lead to severe injuries or product damage.

This user manual is based on the standards and regulations that are valid within the European Union. Outside the EU, please also note the country-specific directives and laws.

Keep this operating manual for future reference. If you pass this device on to a third party, you must also supply this operating manual.

A digital copy of this manual is available from customer service.

Proper use

The device is exclusively intended for chiselling during demolition work on concrete, stone and similar hard materials.

This device is intended for private use only and is not suitable for commercial use. Use the device only as described in this operating manual. Any other use is improper and may lead to product damage or even personal injury. This device is not a toy.

The manufacturer or retailer assume no liability for damage caused by improper or incorrect use.

Residual risks

Despite proper use, hidden residual risks cannot be completely excluded.

Depending on the type of device, the following risks may occur:

- Health risks which may result from vibration emissions if the device is used for a long period of time or is not properly used or maintained.
- Injuries and material damage caused by flying parts or breaking tool accessories.
- Health damage caused by working with toxic materials or materials hazardous to health (such as asbestos).

Explanation of symbols

The following symbols and signal words are used in this user manual, on the device or on the packaging.



This symbol provides you with useful additional information on handling and use.



Declaration of conformity (see chapter “Declaration of conformity”): Products marked with this symbol meet all the applicable Community regulations of the European Economic Area.



This symbol indicates that the device complies with the protection class II.



The symbol shows the maximum sound power level L_{WA} .



The carbon brushes are exchangeable.



By turning the flat bit, you can vary its position in both directions.



Wear hearing protection.



Wear a dust mask.



Wear protective goggles.



Wear protective gloves.

Safety

The following signal words are used in this operating manual.

⚠ WARNING!

This signal symbol/word denotes a hazard with an average risk level that could lead to death or severe injury if it is not avoided.

⚠ CAUTION!

This signal symbol/word denotes a hazard with a low risk level that could lead to mild or moderate injury if it is not avoided.

NOTE!

This signal word provides a warning about potential material damage.

Safety notes

General safety notes for power tools

⚠ WARNING!

Read all safety notes, instructions, illustrations and technical data provided with this power tool. Failure to follow the instructions below may result in electric shock, fire and/or serious injury.

Keep all safety notes and instructions for future reference.

The term "power tool" used in the safety notes refers to both mains-operated power tools (with power cord) and battery-powered power tools (without power cord).

Workplace safety

- **Keep your work area tidy and well lit.** *Clutter or unlit work areas can lead to accidents.*
- **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.*
- **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- **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.*
- **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- **The mains cable must not be used for purposes other than the intended one. The mains cable must not be used to carry, drag, or pull the power tool out of the socket. The mains cable must be kept away from heat, oil, sharp**

edges and moving parts. *Damaged or tangled cables increase the risk of electric shock.*

- **When using a power tool outdoors, use an extension cable that is suitable for outdoor use.** *Damaged or tangled cables increase the risk of electric shock.*
- **If you must use a power tool in a damp environment, use a power source that is protected by a residual current device (trip switch).** *Using trip switches reduces the risk of electric shock.*

Personal safety

- **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.*
- **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- **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.*
- **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 tool may result in personal injury.*
- **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- **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.*
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

Using and handling the power tool

- **Do not overload the power tool. Use the appropriate power tool for your work.** *The right power tool allows you to work better and safer in the specified power range.*
- **Do not use any power tool that has a defective switch.** *Power tools that can no longer be switched on or off are dangerous and must be repaired.*
- **Disconnect the plug from the socket and/or remove any removable batteries before making adjustments to the device, changing any insert tool parts, or putting the power tool away.** *This precaution helps prevent unintentional starting of the power tool.*
- **Keep power tools out of the reach of children when not in use. Whoever is not familiar with the power tool or who has not read these instructions should not be allowed to use it.** *Power tools are dangerous if used by inexperienced persons.*
- **Power tools and insert tools must be subject to careful maintenance. Check whether moving parts function**

properly without jamming, and whether parts are broken or damaged to such an extent that they impair the functions of the power tool. Have damaged parts repaired before using the power tool. *Many accidents happen due to poorly maintained power tools.*

- **Keep cutting tools sharp and clean.** *Carefully maintained cutting tools with sharp blades tend to jam less and are easier to guide.*
- **Use power tools, insert tools, insert tool parts, etc. according to these instructions. While doing so, take into account the working conditions and the activity to be performed.** *The use of power tools for applications other than those intended can lead to dangerous situations.*
- **Keep handles and grip surfaces dry, clean and free of oil and grease.** *Slippery handles and grip surfaces hinder safe operation and control of the power tool in unforeseen situations.*
- **Hold the power tool by the insulated grip surfaces when performing work where the insert tool could hit hidden power lines or its own connection cable.** *Accidental contact with a live cable can also put metal device parts under voltage and lead to an electric shock.*
- **Use the extra handle(s).** *Injuries may occur if you lose control over the device.*

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.*

Additional safety notes for power tools

- Keep the device and its accessories away from hot surfaces.

- Do not let inexperienced persons use the device and its accessories.
- Persons with physical or mental impairments must not use the device and its accessories unsupervised.
- Children must not play with, clean or service the device and its accessories.
- Only use tools that fit into the power tool's retaining system.
- Let the tool cool down after use before touching it.
- Always wait until all moving parts come to a standstill after working with the tool.

Before first use

Check the device and scope of delivery

NOTE!

Risk of damage!

If opening the packaging with a sharp knife or other pointed objects, careless handling can damage the device.

- Therefore, be very careful when opening.
 1. With both hands, lift the device out of the packaging.
 2. Check that the delivery is complete (see chapter "Scope of delivery/device components").
 3. Inspect the device and individual parts for damage. Do not operate a damaged device; instead, contact the manufacturer via the service center listed on the warranty card.

Operation

▲ CAUTION!

Risk of injury!

- Make sure that the device is not connected to a power source and that it has cooled down before working on it.

Selecting the right bit

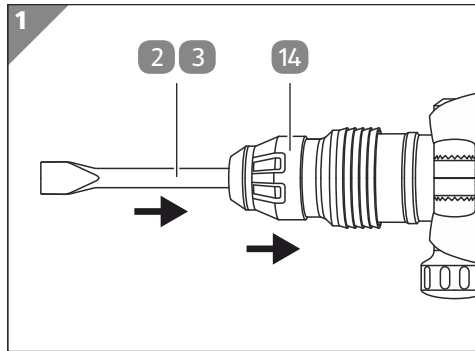
Pointed bit

We recommend using the pointed bit **3** when working on hard materials such as concrete. It concentrates the whole blow energy on one point. The resulting wedge effect ensures the highest demolition rate.

Flat bit

You can use the flat bit **2** to "mark" the boundaries on the masonry to be demolished.

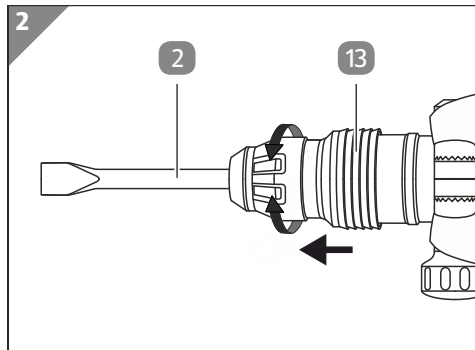
Inserting the bit



1. Set the device down on a non-slip surface with the bit holder **15** pointing up.
2. Slide down the bit locking sleeve **14** with one hand.
3. Insert the bit **2**/**3** into the bit holder **15**.
4. Turn the bit until it slides into the tool holder.
5. Push the bit down.
6. Let go of the bit locking sleeve **14**.
7. Pull the bit forcefully to make sure that it is completely locked into place.

The bit is inserted.

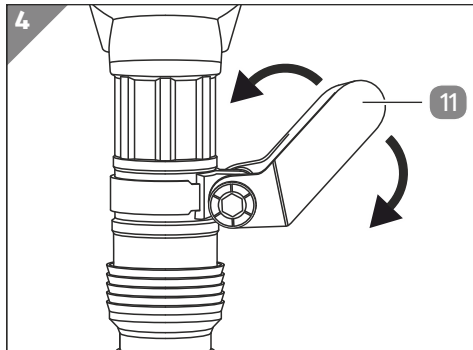
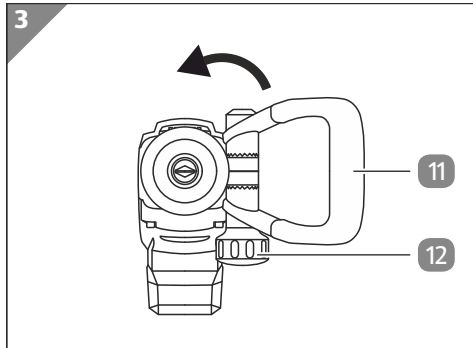
Setting the bit position



1. Set the device down on a non-slip surface with the bit holder **15** and already inserted flat bit **2** pointing up.
2. Pull up the bit adjusting sleeve **13** with one hand.
3. Turn the bit adjusting sleeve to the desired position.
4. Let go of the bit adjusting sleeve.

The bit position is set.

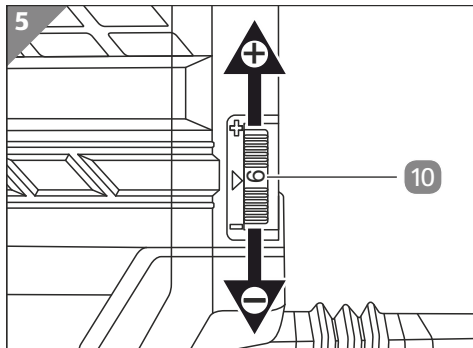
Adjusting the extra handle



1. Undo the extra handle locking screw **12** by turning it counter-clockwise.
2. Move the extra handle **11** into the desired position.
3. Tighten the extra handle locking screw again by turning it clockwise.

The extra handle has been set to the desired position.

Presetting the blow count



1. Turn off the device and wait until it has completely stopped moving.
2. By turning the blow count selector **10**, set the blow count to a value between 1 and 6 (1 - lowest blow count, 6 - highest blow count, for values see "Technical data").

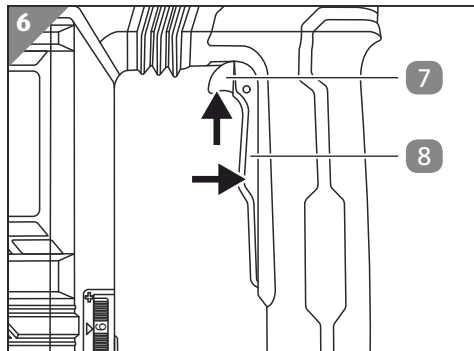
The blow count has been set.

Turning the device on and off



Through poor conditions of the electrical MAINS, shortly voltage drops can appear when starting the EQUIPMENT. This can influence other equipment (eg. Blinking of a lamp). If the MAINS-IMPEDANCE $Z_{max} < 0.45 \text{ OHM}$, such disturbances are not expected. (In case of need, you may contact your local supply authority for further information).

Turning the device ON



1. Insert the mains plug in a socket.
2. Push the main switch **8** towards the main handle **9**.
3. Optionally, push up the lock switch **7** so that the device continues running when you let go of the main switch.

The device is switched on.

Turning the device OFF

1. Push the main switch **8** towards the main handle **9** to deactivate the optionally activated lock switch.
2. Let go of the main switch.

The device is switched off.

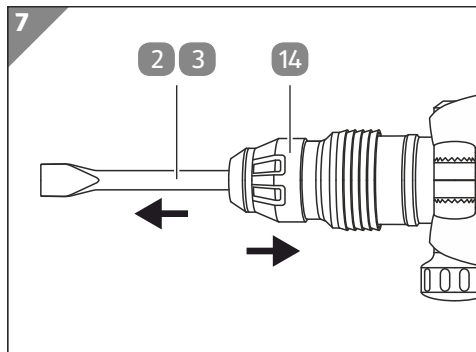
Removing the bit

⚠ CAUTION!

Risk of injury!

The bit can become very hot during use.

- Let the bit cool down and wear gloves to remove the bit or adjust the bit position.



1. Set the device down on a non-slip surface with the bit holder **15** pointing up.
2. Slide down the bit locking sleeve **14** with one hand.
3. Pull out the bit **2/3** with your other hand.

The bit has been removed.

Handling the device

⚠ CAUTION!

Risk of injury through excess pressure on the device!

- Do not exert any excess pressure on the device during operation as this may cause a strong resistance force on the hand grips.

⚠ CAUTION!

Risk of injury!

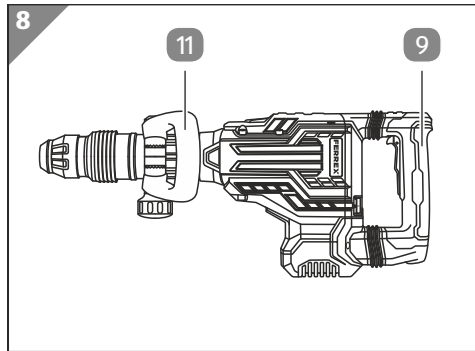
Working with the device can cause a lot of dust and noise.

- Wear a dust mask and hearing protection



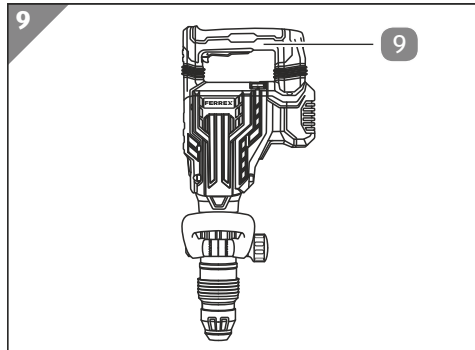
Guide the device at an angle of 90° to the work surface if possible to prevent slipping.

Working in horizontal position



When working in a horizontal position, grip the main handle **9** and the extra handle **11**.

Working in vertical position



Grip the main handle **9** with both hands.

The integrated vibration damper reduces the vibrations and thus also signs of fatigue that occur when working with the device.

The ergonomically shaped handle made of non-slip material ensures better grip on the device and facilitates handling.

Cleaning and maintenance

⚠ CAUTION!

Risk of injury!

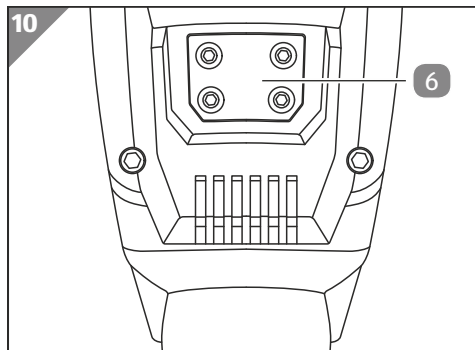
- Switch the device off, disconnect it from the power supply and let it cool down before working on it.

Cleaning

- Clean the housing with a soft, slightly damp cloth.
- Clean the bit after use with a damp cloth and dry it off afterwards. Grease the shaft with lubricating grease.

Maintenance

Greasing the gears



- Undo the four screws with the 3 mm Allen key **4**.
- Remove the grease cap **6**.
- Check the visible gear wheel for a clearly visible lubricant grease coating.
- Relubricate with a standard lubricating grease if necessary.

Changing the carbon brushes

- Have worn carbon brushes exchanged by an authorised service centre.

Inspection

Regularly inspect the device and its accessories to ensure that they are in fault-free condition and

- that the operating controls are not damaged;
- the vents are open and clean.

Inspection

Do not operate a damaged device or accessory. Have the damaged device or accessory checked and repaired by an authorised service centre.

Storage

NOTE!

Risk of damage!

Improper storage of the device can result in damage.

- Allow the device to completely cool down.
 - Place the device so that it can't fall into water.
 - Store the device in a clean, dry, frost-protected place out of the reach of children.
1. Thoroughly clean the device (see "Cleaning").
 2. Roll up the mains cable without knots or bends.
1. Always store device parts and accessories together with the device.
 3. Stow the device and its accessories in the supplied tool case.

Transport

- Use the tool case supplied with the delivery to transport the device and its accessories.
- During transport of the tool case, try to use the integrated trolley function by pulling it behind you on the hand grip using the rollers.
- Secure the tool case against sliding when transporting it in a vehicle.


Troubleshooting

Problem	Possible cause	Fault rectification
The bit 2/3 drops out.	The bit holder 15 does not lock.	Slide the bit 2/3 into the bit holder 15 again (see "Inserting the bit")
The device cannot be switched on.	The device is not powered.	Check the cables, plugs and the power supply.
	The carbon brushes are worn.	Have the device repaired by a qualified expert.
	The motor is defective.	Have the device repaired by a qualified expert.
The chiselling output decreases significantly.	The bit 2/3 is dull.	Use a new bit.
	Excess pressure is being exerted on the device.	Reduce the pressure on the device.
	The blow count is too low.	Increase the blow count (see "Presetting the blow count").
	The lubricating grease is used up.	Add lubricating grease (see "Cleaning and maintenance").
	The material to be chiselled is too soft.	Only use the device on hard materials.

If the problem persists, contact the customer service listed on the last page.

Technical data

Technical data

Model	Z1G-DS-65H
Weight	11.7 kg
Dimensions (W x H x D)	approx. 65 x 12.5 x 27 cm
Item number	802984
Rated power	1,700 W
Rated voltage	230 V ~ (50 Hz)
Blow count	200 - 2,100 blows/min
Impact energy	50 joules
Bit assembly	No tools required
Bit adjusting positions	12
Protection class	II 
Noise emission values (noise values were determined in accordance with EN 60745):	
Sound pressure level L_{pA}	83.9 dB(A)
Sound power level L_{WA}	103.9 dB(A)
Correction value K	0.82 dB
Total vibration value:	(vector sum in three directions determined in accordance with EN 60745)
Main handle	$ah_{(Heq)}=18,557 \text{ m/s}^2$, $K=1,5 \text{ m/s}^2$
Extra handle	$ah_{(Heq)}=14,866 \text{ m/s}^2$, $K=1,5 \text{ m/s}^2$

The noise and vibration values were determined in accordance with EN 60745-2-6. These can be used to compare one power tool with another. They can also be used for a preliminary assessment of the exposure. Also keep in mind national regulations with respect to the permissible workplace values.

Noise/vibration information

Warning!

The vibration and noise emissions can deviate from the stated values during actual use of the power tool. This depends on the way the power tool is actually used and especially on the type of workpiece you are working on.

It is necessary to establish safety measures that protect the operator based on an estimate of the exposure during actual conditions of use (taking into account all parts of the operating cycle, such as periods when the power tool is switched off and periods when it is switched on but running without load).

Try to keep the exposure to vibrations and noise as low as possible. Examples of measures to reduce the exposure:

- wearing vibration-damping gloves while using the tool;
- limiting the working time;
- using accessories in good condition;
- regular maintenance and cleaning of the device;
- turning the device off while not in use;
- preventing overload of the device.

Disposal

Disposing of packaging



Dispose of packaging according to type. Dispose of cardboard and carton in the waste paper and plastic foils in the recycle bin or residual waste.

Dispose of old electrical device



Old electrical devices must not be disposed of as household waste!

If the device cannot be used any more, each consumer **is obligated by law to dispose of old devices separately from household waste,**

e.g. at a municipal/city district collection point. It is thereby ensured

that old devices are professionally recycled and negative effects on the

environment are avoided. Therefore, electrical devices are marked with the above symbol.

Declaration of conformity

Declaration of conformity

EC Declaration of Conformity

We,

MEROTEC GmbH
Otto-Brenner-Str. 8, 47877 Willich, Germany

herewith declare that our product

Demolition Breaker
Model No. Z1G-DS-65H

is in conformity with the following directives:

2006/42/EC Machinery Directive
2014/30/EU EMC directive
2000/14/EC Noise Directive, amended by 2005/88/EC
conformity assessment procedure: 2000/14/EC Annex VI, Notified Body 0865:
ISET Srl Unipersonale, Via Donatori del Sangue, 9, 46024 - Moglia (MN), Italy
Measured sound power level $L_{WA} = 103,9$ dB(A) ($K = 0,82$ dB(A))
Guaranteed sound power level $L_{WA} = 105$ dB(A)
2011/65/EU*) RoHS directive, amended by (EU) 2015/863

Applied harmonized standards:

EN 60745-1:2009+A11:2010
EN 60745-2-6:2010
EN 62233:2008
EN 55014-1:2017
EN IEC 61000-3-2:2019
EN 61000-3-11:2000
EN 55014-2:2015
EN 50581:2012

Person authorised to compile the technical file:
Dirk Wohlrab
MEROTEC GmbH



Place and date: Willich, 27.04.2020
Legally valid signature:


Ronald Menken
General Manager MEROTEC GmbH

This declaration of conformity is issued under the sole responsibility of the manufacturer.
*) The object of the declaration described above satisfies the provisions of directive 2011/65/EU of the European Parliament and the Council of 8 June 2011 on limiting the use of certain harmful substances in electrical and electronic appliances.