



**GRANIT**  
QUALITY PARTS

Operating Instructions

## **Cordless angle grinders**

7306020



These operating instructions must be read thoroughly before use and followed. These operating instructions must be retained for future reference.



Translation of the original operating instructions

**BLACK EDITION**

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## 1 About these operating instructions and symbol descriptions

 <b>WARNING</b>	Incorrect operation can lead to serious injury or death.
 <b>CAUTION</b>	Incorrect operation or negligence may result in personal injury, damage to the equipment or faulty measurements.
<b>NOTICE</b>	Instructions and tips for operation.

- Numbers in illustrations (1, 2, 3 ...) refer to the corresponding numbers in brackets (1), (2), (3) ... in the text next to the item numbers in the tables.
- Instructions for which the order must be followed are numbered (1, 2, 3, ...).
- Lists are marked with bullet points (•, •, ...).

## 2 Safety and accident prevention rules

### 2.1 General safety instructions for power tools

Read all safety instructions and instructions for use. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Keep all warning notices and instructions for later reference! The term "power tool(s)" in the warnings refers to both mains-operated (corded) power tools or battery-operated (cordless) power tools.

- Safety in the work area
  - Keep work areas clean and well lit. Untidy or dim areas increase the risk of accidents.
  - Do not operate power tools in potentially explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools produce sparks that can ignite dust and fumes.
  - Keep children and uninvolved persons away while operating your power tool. Distractions can cause you to lose control.

- Electrical safety
  - Avoid body contact with grounded surfaces such as pipes, radiators, stoves, and refrigerators. There is an increased risk of electrocution when your body comes into contact with the earth (ground).
  - Do not expose power tools to rain or moisture. The risk of electric shock increases when water enters a power tool.
  - Always hold the power tool by its insulated gripping surfaces when performing any operation where the fastener may contact concealed wiring or its own cable. Fasteners that come in contact with live wires can energize exposed metal parts of the power tool and electrocute the operator.
- Personal safety
  - Be attentive, pay attention to what you are doing, and act reasonably and responsibly when operating the power tool. Do not operate power tools when you are tired or under the influence of drugs, alcohol or medication. A single moment of inattention when operating power tools can result in serious injury.
  - Be sure to wear your personal protective equipment. Always wear eye protection. Protective equipment for the appropriate conditions, such as a dust mask, non-slip safety shoes, hard hat or hearing protection, reduce the risk of injury or its severity.
  - Prevent unintentional starting. Make sure that the switch is in the off position before connecting the tool to the mains or battery, picking it up or carrying it. Carrying power tools with your finger on the switch or turning on power tools where the switch is already engaged increases the risk of an accident. Remove the adjusting spanner and spanner before switching on the power tool. Leaving a spanner or adjusting spanner on a rotating part of the power tool can cause serious injury.
  - Do not lean too far forward. Always maintain firm footing and balance. This allows proper control of the power tool in unexpected situations.
  - Wear appropriate clothing. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from the moving parts. Loose clothing, jewellery and long hair can get caught in moving parts.
- Use and care of power tools
  - Do not use excessive force with the power tool. Use the right power tool for your job. The right power tool will do the job better and safer at the speed it is designed for.

- 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 provided is a hazard and must be repaired.
- Disconnect the plug from the power source and/or the battery from the power tool before making adjustments, changing accessories or storing the power tool. Such preventive safety measures reduce the risk of accidental start-up of the power tool.
- Keep power tools that are not in use out of the reach of children. Do not allow persons who are not familiar with the power tool or these instructions to operate this power tool. Power tools can be dangerous in the hands of untrained users.
- Maintain power tools regularly. Check the power tool for misalignment and for any jamming of moving parts, broken parts, and any other condition that may affect the operation of the tool. If the power tool is damaged, have it repaired before using it. Accidents are often caused by poorly maintained tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges jam less often and are easier to control.
- Only use the power tool, accessories and tool heads etc. in accordance with these instructions and while taking into account the working conditions and the work to be carried out. Using the power tool for work other than that for which it is intended can result in hazardous situations.
- Use and care of the battery pack
  - Only charge the battery using the charger specified by the manufacturer. Using a charger that is not designed for a particular type of battery pack may cause a fire when used with another type of battery pack.
  - Only use power tools with specially designed battery packs. The use of other batteries may cause injury and fire.
  - When the battery pack is not in use, keep it away from other metal objects such as paper clips, coins, keys, nails, screws or other small metal objects that can connect from one terminal to the other. Short-circuiting the battery terminals can cause burns and fire.
  - Improper use may cause liquid to leak from the battery; avoid contact. If accidental contact occurs, rinse the area with water. If liquid gets into the eye, rinse the eye immediately with clear - preferably running - water and seek medical attention immediately. Liquid leaking from the battery may cause irritation or burns.
- Maintenance
  - Your power tool should only be repaired by qualified personnel using identical spare parts. This ensures that the safety of the power tool is maintained.

## 2.2 Product-related safety instructions

- Do not remove any installed covers or screws in order to ensure the intended function of power tools.
- Operate the power tool with a lower power consumption than indicated on the type plate, otherwise the surface may be damaged and the working efficiency can be reduced by overloading the motor.
- Do not wipe plastic parts with solvents. Solvents such as petrol, thinner, benzene, carbon tetrachloride, alcohol, ammonia and chlorinated oil can damage and crack plastic parts. Do not wipe plastic parts with such solvents. Wipe plastic parts gently with a soft cloth that has been lightly moistened with soapy water.
- Use clamps or other convenient devices to secure and support the workpiece on a stable platform. Holding the workpiece in your hand or against your body makes it unstable and may cause it to slip out of your control.
- Only use accessories recommended by the manufacturer for your model. Accessories that are not suitable for one appliance may pose a risk of injury when used on another appliance.

## 2.3 Important safety instructions for charger and battery pack

- Caution : To reduce the risk of injury, only charge the specific type of battery pack. Other types of battery packs can burst and cause injury and claims.
- Read all instructions and warnings on the battery packs and chargers before using the charger.
- Do not expose the charger to rain or snow.
- To minimise the risk of damage to the plug and cable, pull on the plug and not the cable when disconnecting the charger.
- Use of accessories not recommended or sold by the charger manufacturer may result in fire, electric shock or injury.
- Make sure that the cable is laid in such a way that it cannot be stepped on or tripped over or otherwise damaged or stressed.
- Do not operate the charger with a damaged cable or plug. Replace damaged components immediately.
- Do not operate the charger if it has received a hard blow, been dropped or otherwise damaged.
- To minimise the risk of electric shock, unplug the charger from the wall socket before carrying out any maintenance or cleaning. Switching off the controls does not reduce this risk.



- Do not disassemble the charger and battery – take it to a qualified service centre if repair is required. Improper assembly may result in electric shock and fire.

## 2.4 Additional safety instructions for charger and battery pack

- Do not charge the battery pack if the temperature is below 0°C (32°F) or above 40°C (104°F).
- Do not attempt to use a transformer, motor generator or DC socket.
- Make sure that the charger's ventilation openings are not covered or blocked.
- Always cover the battery pack terminals with the battery pack cover when the battery pack is not in use.
- Do not short-circuit the battery pack.
- Do not touch the connections with conductive material.
- Do not store the battery pack in a container with other metal objects such as nails, coins, etc.
- Do not expose the battery pack to water or rain. A short circuit of the battery pack can lead to excessive current flow, overheating, burns and failure.
- Do not store the unit and battery pack in locations where the temperature may reach or exceed 50°C (122°F).
- Do not burn the battery pack, even if it is badly damaged or completely worn out. The battery pack may explode in the event of a fire.
- Do not drop or shake the battery pack.
- Do not charge the battery in a closed box or other container. The battery pack must be placed in a well-ventilated area during charging.
- Do not leave batteries unused for a long period of time. Charge the battery every 3~6 months and bring the Li-ion battery to a charge level of 40~80% before storage.
- Li-ion batteries are sensitive to high temperatures and should be stored in a cool, dry place away from direct light. The ideal temperature for operation and storage is below 25°C (77°F).
- To prolong battery life, the lithium-ion battery is equipped with a protection function that stops discharge.
- Using this product as described below may cause the motor to stop even if you have switched on the appliance.
- This is not a malfunction, but the result of a protective function.
  - The motor will stop when the remaining battery power is running low.
  - If the unit is overloaded, the motor may stop.
  - In this case, release the switch on the device and eliminate the cause of the overload. You can then use the unit again.

- If the battery overheats when overloaded, battery power may stop. In this case, stop using the battery and let it cool down. You can then use the unit again.
- This product is equipped with an undervoltage protection that protects the tool from over-discharge and prolongs the life of the battery.

## 3 Performance specifications

### 3.1 Symbols and abbreviations



-----Recycle



-----Class II tools



-----Do not throw away with domestic  
waste

V-----Voltage

AC-----Alternating current

Hz-----Hertz

W-----Watt

kg-----Kilogram

mm-----Millimetre

DC ----Direct current

kg-cm--Kilogram - Centimetre

ft-lb-----Foot-pound

rpm-----Revolutions per minute

### 3.2 Technical data

Model no.	7306020
Voltage	18V DC
Idling speed	6200 rpm
Disc size	125 mm (5")
Thread	5/8"-11 UNC
Brushless motor	Yes
Tool weight	1.54 kg
Battery weight	0.69 kg
Vibrations	3.4 m/s <sup>2</sup>
Sound level	98.8 dB



### 3.3 Charging time

The charging time varies depending on the battery life and the room temperature.

<div> <div>Battery charger</div> <div>Battery pack</div> <div>7306070</div> </div>		7306071
		100 min.
18 V	4.0 Ah	Minutes until auto power off and recharge (approx.)

### 3.4 Main components view

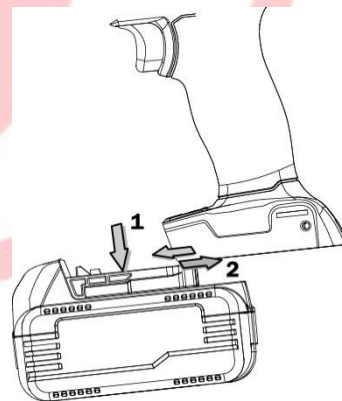


<b>1</b>	Battery level indicator
<b>2</b>	Side handle
<b>3</b>	Battery button
<b>4</b>	Battery pack
<b>5</b>	Safety lever
<b>6</b>	Main switch
<b>7</b>	Cover

## 4 Battery tool operation

### 4.1 Inserting and removing the battery pack

1. Always switch off the machine before inserting or removing the battery pack.
2. To change the battery pack, press the button on the battery pack and pull the battery pack out of the tool unit.
3. To insert the battery pack, align the sliding guide of the tool unit with the sliding guide of the battery pack and slide the tool unit into position.
4. Do not push the battery pack into the unit with excessive force. If the battery pack does not slide in easily, it is not properly seated.



#### 4.2 Charging the battery pack

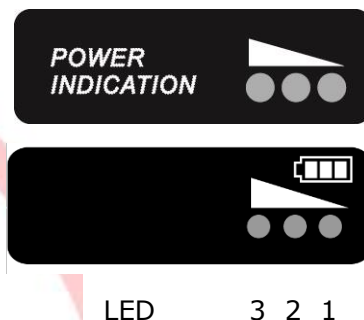
1. Connect the plug to the charger before charging.
2. Connect the quick charger to the power source.
3. Slide the battery pack into the charger in the direction of the arrow as indicated on the charger.
4. Insert the battery pack and make sure the red light on the charger is "ON". The battery pack will now start the charging cycle.
5. The light will turn green when charging is complete. The battery pack is now ready for use.
6. Your new battery pack is not charged. You must fully charge it before using it for the first time.
7. When trying to charge a battery pack on a machine that has just been in use, the charge indicator sometimes does not light up. In this case, let the battery cool down for a while, then reinsert it and try charging it again.
8. If you charge a new battery pack or a battery pack that has not been used for a long time, it may not take up a full charge. This is a normal condition and does not indicate a problem. The battery pack can be fully recharged after it has been fully discharged several times.
9. Disconnect the charger from the power source when charging is complete.
10. Please remove the battery from the unconnected charger for storage.
















Battery level indicator LED on the unit


1. The unit has a 3-stage green LED to indicate the remaining battery capacity when the trigger button is pressed: The LEDs will then light up for 3 seconds. (pressing the release button down will display the battery capacity status again).
2. If LED 1 flashes 3 times, this means that the battery pack needs to be charged.
3. Overtemperature protection: If the 3 LEDs of the battery level indicator flash 3 times together, this means that the battery has overheated.

Battery level indicator LED	RC status
LED 1 (green)	0%-33%
LED 1, 2 (green)	34%-66%
LED 1, 2, 3 (green)	67%-100%



#### 4.3 The LED light on the charger

-   Switch on (green light flashes slowly)
-   Battery is low (red light is on continuously)
-   Battery is charged 80% (green light flashes quickly)
-   Battery is charged 100% (green light is on permanently)
-   The temperature of the battery pack is too hot or too cold (red light flashes slowly)
-    Battery pack malfunction (red and green light are on continuously)

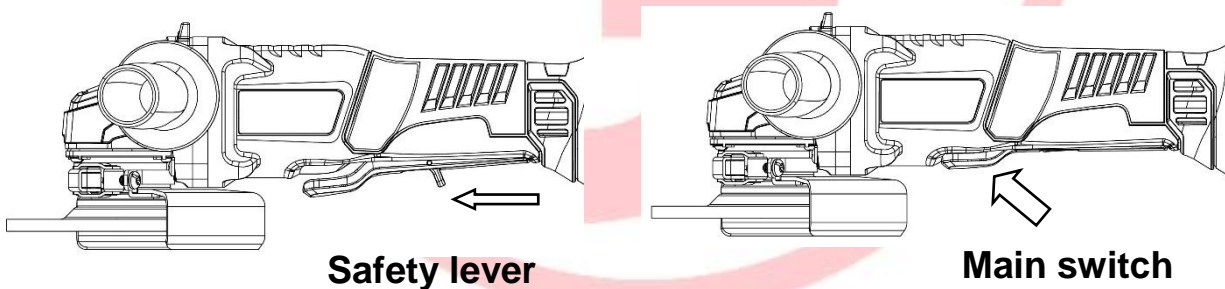
- 
 The charger may only be connected to a socket with 100-240 V alternating current.
- If the battery pack is too hot or too cold, the charger cannot charge the battery pack quickly and the red indicator light flashes. When the battery pack temperature returns to between 0°C (32°F) and 50°C (122°F), the charger will automatically begin charging.
- If both the red and green indicator lights signal "ON", the battery pack either does not meet the requirements or is defective. Please contact your specialist dealer.

- Do not charge the battery pack in rain, snow or high temperatures.
- Do not charge the battery pack if the ambient temperature is below 0°C (32 °F) or above 40°C (104°F).
- If you are charging the cold battery pack (below 0°C) in a warm room, allow the battery pack to warm up in the room for one hour before you start charging the battery pack.
- Disconnect the plug when charging is complete.
- The charger should be allowed to cool down for at least one hour if charging has been carried out three times in succession.
- Do not use a generator to charge the battery pack.

#### 4.4 Operation of the tool

##### **Safety lever**

For safety reasons, push the safety lever forward and then the main switch upwards to operate the tool.



## Mount grinding wheel Ø 125 mm



Before changing the grinding wheel, the battery must be removed to prevent unintentional starting.



Observe the expiry date of the grinding/separating tools used; overageing can cause the grinding wheels to burst

Loosen the flange nut by pressing the locking knob.

(Use a spanner if you cannot loosen the nut by hand)

**Flange nut**

**Disc flange**

**Locking knob**

Place the grinding wheel on the wheel flange and tighten the flange nut by hand.

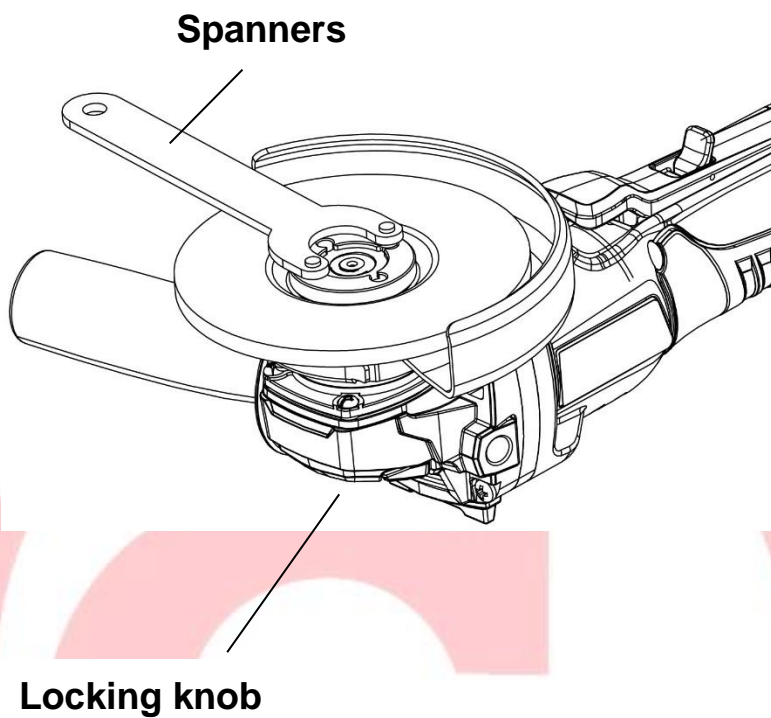
**Flange nut**

**Sanding disc**



Press the locking knob after tightening the flange nut. Use the spanner to fully tighten the flange nut.

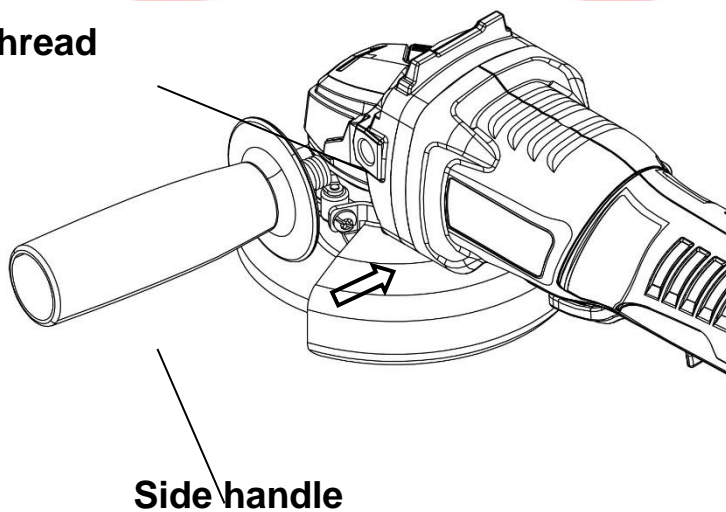
Make sure that the locking knob is fully released before using the tool.



### **Installing the side handle**

Fit the side handle to the internal thread of the front cover.

### **Internal thread**





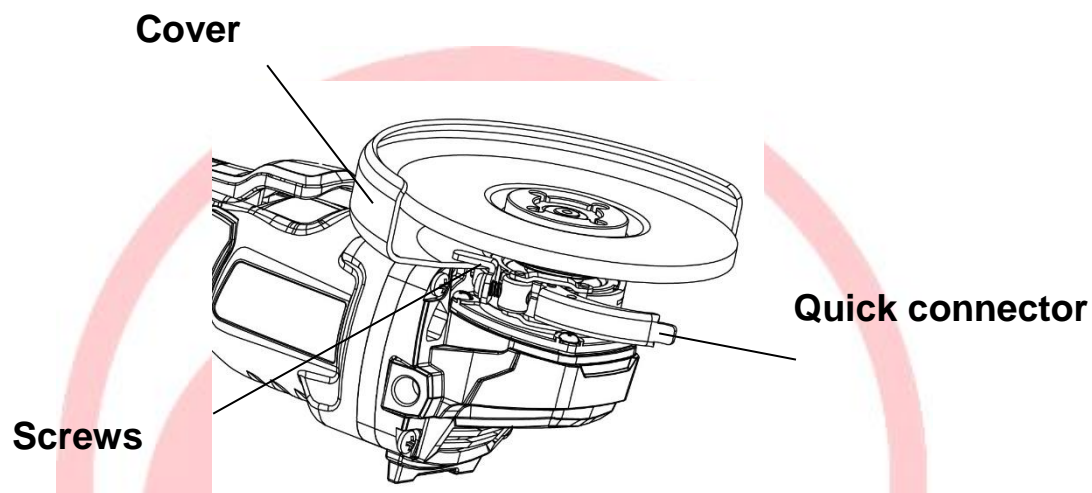
### Adjusting the protective cover



Make sure that the protective cover always remains in place and that it is tightened again after alignment.

Loosen the adjustment screw to adjust the position of the protective cover.

Tighten the screw again after moving it.

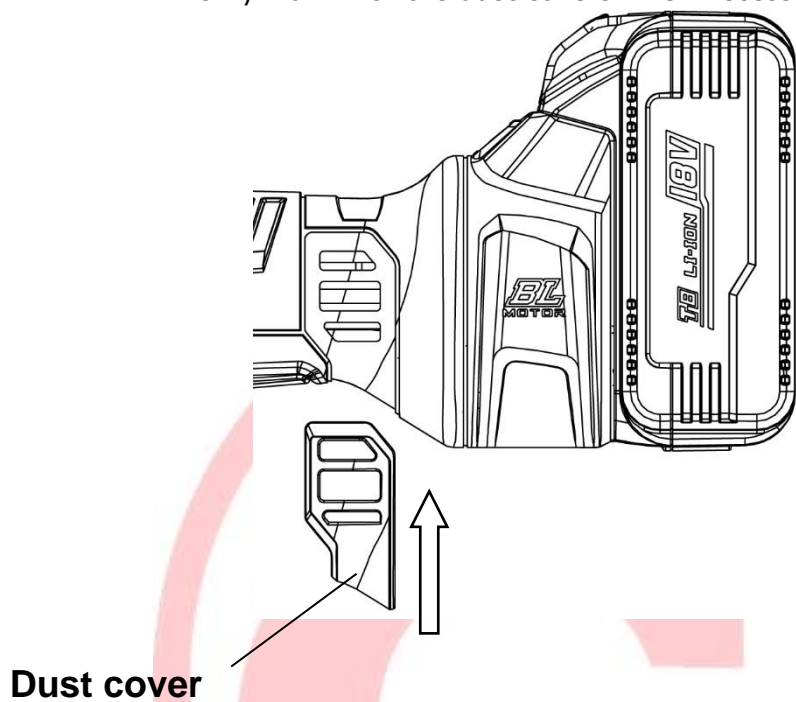


### Attaching the dust cover

Attach the dust cover to the housing.

#### **NOTICE**

Only work with the dust covers when necessary



## 5 EU Declaration of Conformity

### 5.1 Battery-powered angle grinder

The manufacturer,

**Wilhelm Fricke SE**  
**Zum Kreuzkamp 7**  
**DE-27404 Heeslingen**

hereby declares on its sole responsibility that the battery-powered angle grinder

Type/series identification: **7306020**

conforms to the provisions of

<b>2006/42/EC</b>	<b>Machinery Directive</b>
<b>2014/30/EU</b>	<b>Electromagnetic Compatibility Directive (EMC Directive)</b>
<b>2014/35/EU</b>	<b>Low Voltage Directive</b>
<b>2011/65/EU</b>	<b>RoHS Directive</b>

The product was developed in accordance with the following standards:

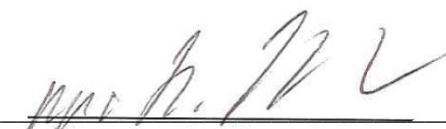
**EN 62841-1:2015**  
**EN 55014-1:2017**  
**EN 55014-2:2015**  
**EN ISO 12100:2010**

Authorised person for documentation:

Mr Eike Viebrock  
Wilhelm Fricke SE  
Zum Kreuzkamp 7  
DE-27404 Heeslingen

The serial number and model year are shown on the type plate of the equipment.

Heeslingen, 19/07/2021

  
Hartmut Klindworth, head of division Granit  
Parts

Translation of the original Conformity Declaration

## 5.2 Black Edition Battery pack

The manufacturer,

**Wilhelm Fricke SE**  
**Zum Kreuzkamp 7**  
**DE-27404 Heeslingen**

hereby declares, on its sole responsibility, that the Black Edition Battery pack

Type/series identification: **7306070**

conforms to the provisions of

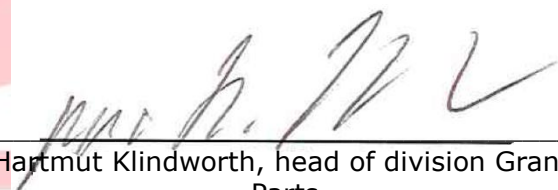
**2014/30/EU      Electromagnetic Compatibility Directive (EMC Directive)**

Authorised person for documentation:

Mr Eike Viebrock  
Wilhelm Fricke SE  
Zum Kreuzkamp 7  
DE-27404 Heeslingen

The serial number and model year are shown on the type plate of the equipment.

Heeslingen, 19/07/2021



Hartmut Klindworth, head of division Granit  
Parts

Translation of the original Conformity Declaration

## 6 UKCA Declaration of Conformity

### 6.1 battery-powered angle grinder

The manufacturer,

**Wilhelm Fricke SE**

**Zum Kreuzkamp 7**

**DE-27404 Heeslingen**

declares under their sole responsibility that the battery-powered angle grinder

Type/series identification: **7306020**

conforms to the provisions of

**The Supply of Machinery (Safety) Regulations 2008/1597**

**Electromagnetic Compatibility Regulations 2016**

**Electrical Equipment (Safety) Regulations 2016**

**The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012**

The product was developed in accordance with the following standards:

**BS EN 62841-1:2015, BS EN 62841-2-1:2018**

**BS EN 62841-2-2:2014**

**BS EN 55014-1:2017, BS EN 55014-2:2015**

**BS EN ISO 12100:2010**

Authorised person for documentation:

Mr Eike Viebrock

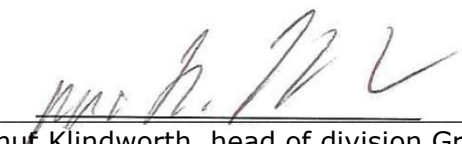
Wilhelm Fricke SE

Zum Kreuzkamp 7

DE-27404 Heeslingen

The serial number and model year are shown on the type plate of the equipment.

Heeslingen, 19/07/2021



Hartmut Klindworth, head of division Granit  
Parts

Original UKCA Declaration of Conformity

## 6.2 Black Edition Battery pack

The manufacturer,

**Wilhelm Fricke SE  
Zum Kreuzkamp 7  
DE-27404 Heeslingen**

declares under their sole responsibility that the Black Edition Battery pack

Type/series identification: **7306070**

conforms to the provisions of

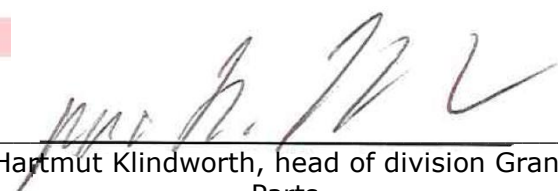
**Electromagnetic Compatibility Regulations 2016**

Authorised person for documentation:

Mr Eike Viebrock  
Wilhelm Fricke SE  
Zum Kreuzkamp 7  
DE-27404 Heeslingen

The serial number and model year are shown on the type plate of the equipment.

Heeslingen, 19.07.2021



Hartmut Klindworth, head of division Granit  
Parts

Original UKCA Declaration of Conformity

## 7 Disposal

On a product, the symbol of a dustbin with a cross through it means that the product cannot be disposed of with the household waste. In the case of batteries or rechargeable batteries/accumulators containing mercury (Hg), cadmium (Cd) or lead (Pb), the chemical symbol is shown under the crossed-out dustbin symbol. The end user has an obligation to return the batteries or rechargeable batteries/accumulators. These can be handed in free of charge to the retailer or at any collection point. Electronic devices and rechargeable batteries/accumulators should be handed in separately to each other. Make sure that the batteries or accumulators are in a discharged state or, if necessary, protected against short circuits. When purchasing products, try to ensure that the products have a long service life. to minimise the amount of waste produced. If your electric or electronic device contains personal data, you are responsible for deleting it.

Incorrect disposal of batteries or rechargeable batteries/accumulators can, because of the substances they contain, harm the environment and human health. Special care should be taken when handling lithium batteries. Products should be checked to see if they can be re-used, for example, by being repaired, before you dispose of them.

**!!! Always observe local disposal regulations!!!**

## 8 Warranty

The warranty terms of Wilhelm Fricke SE, as can be found in the sales documents and the current version of the Terms and Conditions, apply.

In case of questions, please contact the company's customer service line.

## 9 Addresses

Sales/customer service/  
Spare parts sales:

Tel.: +49 (4281) 712 712  
Fax: +49 (4281) 712 700

Postal and shipping address:

Wilhelm Fricke SE  
Zum Kreuzkamp 7  
DE-27404 Heeslingen

## 10 Legal notice

Translation of the original operating instructions for the battery-powered angle grinder
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