

GB Operating Instructions
Right-angle Grinder



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Art.-Nr.: 44.720.12

I.-Nr.: 01014

E-WS 115/950

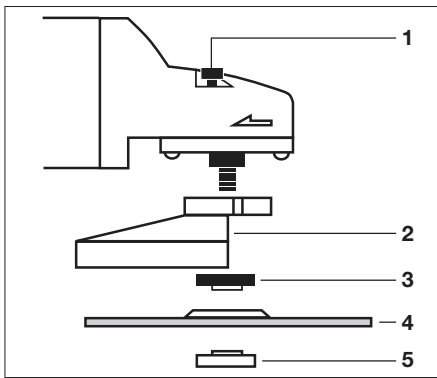




Follow the operating instructions



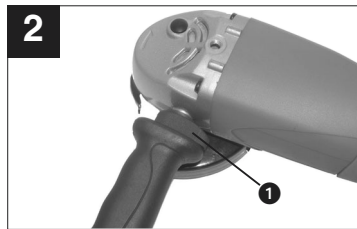
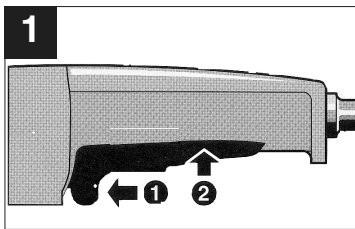
Wear goggles!



Ⓜ * Flange arrangement see page 4

Ⓜ

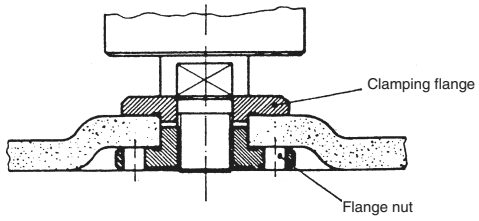
- 1 Spindle catch
- 2 Guard
- 3 Clamping flange *
- 4 Grinding wheel
- 5 Flange nut *



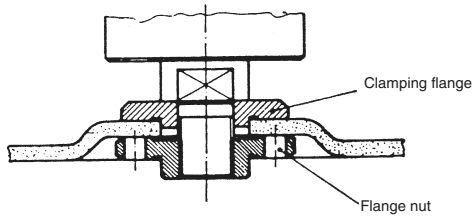
GB

Flange arrangements when using grinding wheels and cutting wheels

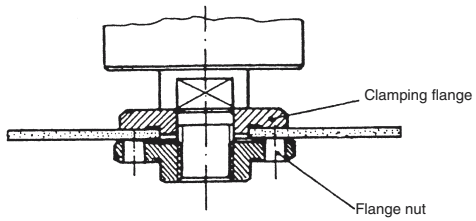
1 Flange arrangement when using a depressed-centre or straight grinding wheel



2 Flange arrangement when using a depressed-centre cutting wheel



3 Flange arrangement when using a straight cutting wheel



Safety regulations

The corresponding safety information can be found in the enclosed booklet.

Operating instructions for right-angle grinders

The machine is light, handy, totally insulated and designed in compliance with the international specifications CEE 20. Provided it is serviced as described in these instructions, the machine will serve you for a long time.

VOLTAGE

Before you use the machine for the first time, check that the voltage marked on the rating plate is the same as your mains voltage. Under no circumstances is the mains voltage to differ from the rated voltage by more than 10%.

SWITCH (Fig. 1)

The angle grinder comes with a safety switch which is designed to prevent accidents. To switch on, push the locking button (1) forward and press the switch button (2). To switch off, let go of the switch button (2).

REPLACING THE GRINDING WHEEL

Pull out the power plug.



Simple wheel change by spindle lock: Press the spindle lock and allow the grinding wheel to latch in place. Open the flange nut with the face spanner.

Change the grinding or cutting wheel and tighten the flange nut with the face spanner.

Important! Only ever press the spindle lock when the motor and grinding spindle are at a standstill! You must keep the spindle lock pressed while you change the wheel!

For grinding or cutting wheels up to approx. 3 mm thick, screw on the flange nut with the flat side facing the grinding or cutting wheel.

TEST RUN FOR NEW GRINDING WHEELS

Allow the right-angle grinder to run in idle for at least 1 minute with the grinding or cutting wheel fitted in place. Vibrating wheels are to be replaced immediately.

MOTOR

It is vital for the motor to be well ventilated during operation. Be sure, therefore, to keep the ventilation holes clean at all times.

ADDITIONAL HANDLE (FIG. 2)

The angle grinder comes with a special additional handle that can be adapted to the working position in question.

To fix the additional handle in position, turn the lock nut (1) all the way onto the additional handle. Then screw the additional handle fully onto the angle grinder. Now adjust the handle to the position required and fix it in place with the lock nut (1). Important! The thread of the additional handle has to be screwed as far as possible into the angle grinder.

CARBON BRUSHES

Carbon brushes that are burned, broken or shorter than 5 mm are to be replaced by original replacement brushes. Always replace the carbon brushes in pairs.

GRINDING WHEELS

Never use a grinding or cutting wheel bigger than the specified diameter.

Before using a grinding or cutting wheel, check its rated speed. The wheel's rated speed must be higher than the idle speed of the right-angle grinder.

Use only grinding and cutting wheels that are approved for a minimum speed of 11,000 rpm and a peripheral speed of 80 m/sec.

OPERATING MODES


Rough grinding:

For the best rough grinding results, hold the grinding wheel at an angle of between 30° and 40° to the workpiece surface and guide back and forth over the workpiece in steady movements.


Cutting:

When you use the right-angle grinder for cutting purposes, avoid tilting it in the cutting plane. The cutting wheel must have a clean cutting edge. A diamond cutting wheel is best used to cut hard stone.

It is prohibited to use the machine on asbestos materials!

 **Never use a cutting wheel for rough grinding.**

GB**TECHNICAL DATA**

Nominal voltage:	230 V ~ 50 Hz
Power consumption:	950 W
Idle speed:	11.000 rpm
Max. wheel diameter:	115 mm
Drive spindle thread:	M 14
Sound pressure level LPA:	89,6 dB(A)
Sound power level LWA:	102,6 dB(A)
Vibration \bar{a}_w	2,8 m/s ²
Weight	2,5 kg
Totally insulated	II / 

Ordering replacement parts

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

Replacement part Replacement part number

Carbon brush	44.720.10.01.001
Switch	44.720.10.01.002

ISC GmbH
 Eschenstraße 6
 D-94405 Landau/Isar

Konformitätserklärung



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Winkelschleifer E-WS 115/950

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| <input type="checkbox"/> 89/686/EWG | |

EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3; EN 50144-1;
 EN 50144-2-3

Landau/Isar, den 18.10.2004

Brunhölzl

Brunhölzl
 Leiter Produkt-Management

Kraus

Kraus
 Produkt-Management

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ISC GmbH - International Service Center
Eschenstraße 6 - D-94405 Landau/lsar (Germany)
Info-Tel. 0180-5 120 509 • Telefax 0180-5 835 830
Service- und Infoserver: <http://www.isc-gmbh.info>

Ⓒ WARRANTY CERTIFICATE

The product described in these instructions comes with a 2 year warranty covering defects. This 2-year warranty period begins with the passing of risk or when the customer receives the product.
For warranty claims to be accepted, the product has to receive the correct maintenance and be put to the proper use as described in the operating instructions.

Your statutory rights of warranty are naturally unaffected during these 2 years.

This warranty applies in Germany, or in the respective country of the manufacturer's main regional sales partner, as a supplement to local regulations. Please note the details for contacting the customer service center responsible for your region or the service address listed below.

Ⓒ Einhell UK Ltd
Unit 5 Morpeth Wharf
Twelve Quays
Birkenhead, Wirral
CH 41 1NG
Tel. 0151 6491500, Fax 0151 6491501

Ⓒ

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Ⓒ Technical changes subject to change

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