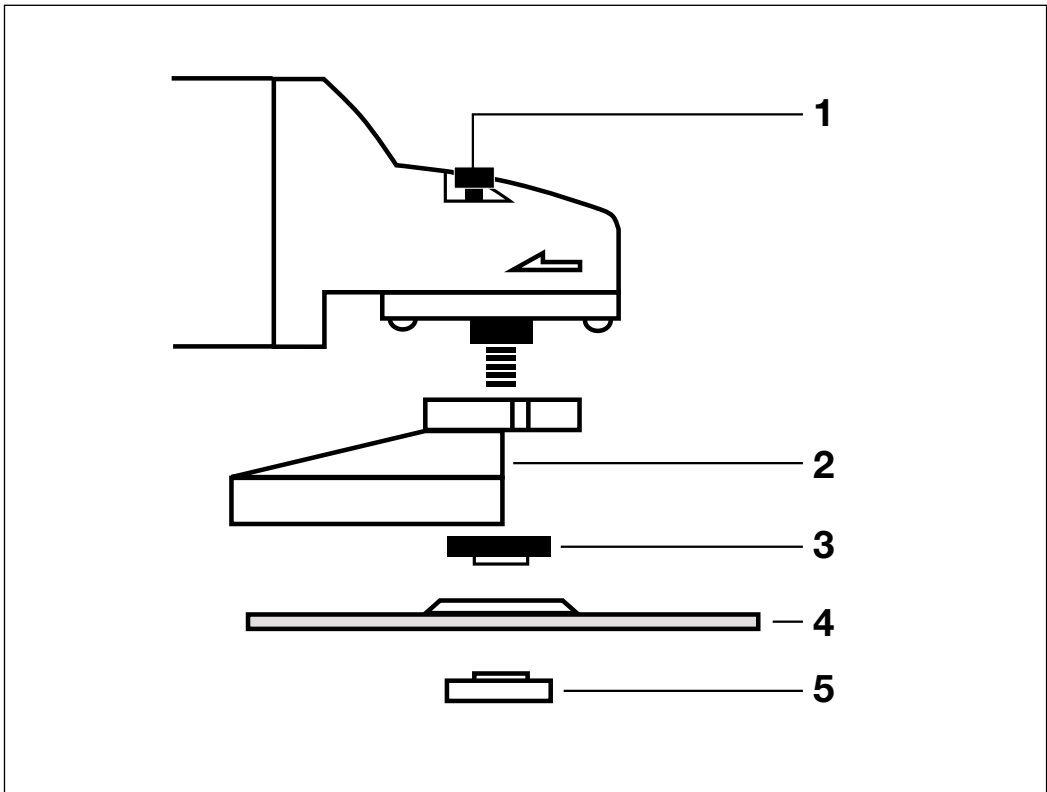


 **Operating Instructions**
Angle Grinder



C.K Ref.: E10835

LAG 115



®

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

® * Flange arrangement see page 5

General safety and accident prevention regulations

To work safely with this machine and to prevent accidents it is imperative to read the following safety regulations and operating instructions in full and to put all the information into practice.

- Always check the machine, the power cable and the plug before use. Only ever use the machine if it is in perfect, undamaged condition. Damaged parts are to be repaired or replaced immediately by a qualified electrician.
- Always pull the plug out of the power socket before carrying out any work on the machine, before changing the grinding tool and in periods of non-use.
- Always run the power cable away from the back of the machine to guard it from damage.
- For outdoors work use only suitably approved extension cables with a minimum conductor cross section of 1.5 mm². The plug connectors must have earthing contacts and be rain-water-proof.
- Keep the machine in a safe place and out of the reach of children.
- Always wear goggles, safety gloves and ear muffs when using the machine for grinding, brushing and cutting purposes. Wear a breathing mask on dusty jobs.
- For safety reasons the angle grinder is only to be used with the guard hood and the additional handle fitted in place.
- Secure the workpiece (with a clamp) so that it cannot slip.
- It is imperative to use a dust extractor when working on stone (cutting or grinding). Make sure the dust extractor is approved for stone dust.
- **It is prohibited to use the machine on asbestos materials.**
Please note the accident prevention regulations in force in your country.
- **Caution! Risk of fire!** Make sure there are no combustible materials within the maximum radius of flying sparks when you are cutting and grinding materials.
- Use only original spare parts.
- Repairs are to be carried out by qualified electricians only.
- The level of noise at the workplace may exceed 85 dB(A). In this case you will need to introduce noise protection measures for the user. The noise produced by this electric tool is measured in accordance with IEC 59 CO 11, IEC 704, DIN 45635 Part 21, NFS 31-031 (84/537/EEC).
- Make sure of your footing. Avoid abnormal working positions.
- Keep your electric tool out of the rain. Never use electric tools in wet or damp conditions, and never use them near inflammable liquids.
- Never carry the machine by its power cable. Keep the power cable safe from damage. Oil, solvent and sharp edges can damage cables.
- Keep your workplace tidy.
- Make sure the power switch is off before inserting the plug in the socket.
- Wear suitable clothing. Never wear loose-fitting clothes or jewelry. Use a hair-net on long hair.
- For your own safety, use only the manufacturer's accessories and attachments.
- Vibration measured according ISO 5349.

GB

Operating instructions for angle grinder

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

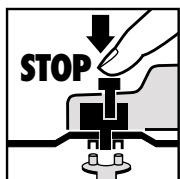
Before you use the machine for the first time, check that the voltage marked on the rating plate is the same as your mains voltage. Under no circumstances is the mains voltage to differ from the rated voltage by more than 10%.

SWITCH

To help prevent accidents, the angle grinder is equipped with a safety switch. To turn on the machine, push the switch forward and push down until it latches in place. To turn the angle grinder off, push the switch down. It will then jump back to its original position.

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.

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 maximum 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!

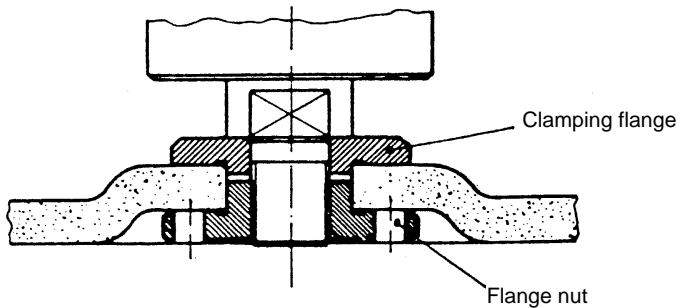
Never use a cutting wheel for rough grinding.

TECHNICAL DATA

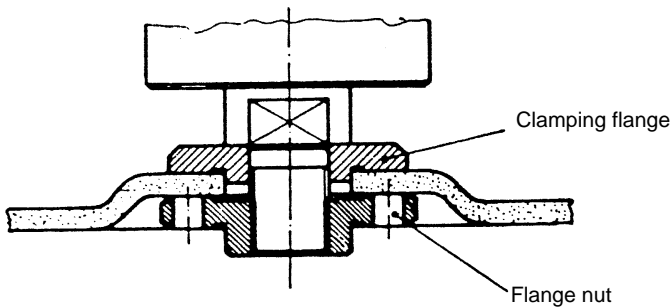
Nominal voltage:	230 V ~ 50 Hz
Power consumption:	500 W
Idle speed:	11.000 rpm
Max. wheel diameter:	115 mm
Drive spindle thread:	M 14
Sound pressure level LPA:	86 dB(A)
Sound power level LWA:	99 dB(A)
Vibration \bar{a}_w	< 2,5 m/s ²
Weight	2,2 kg
Totally insulated	

Flange arrangements when using grinding wheels and cutting wheels

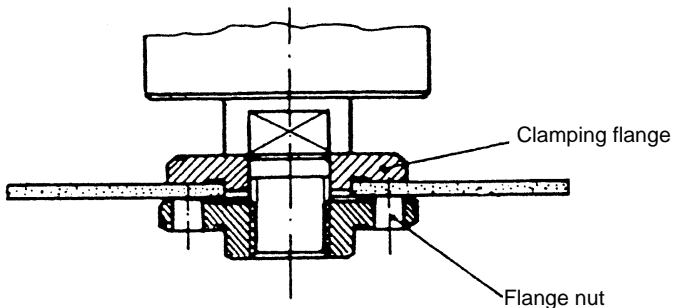
1 Flange arrangement when using a depressed-centre or straight grinding wheel




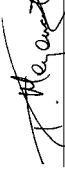





2 Flange arrangement when using a depressed-centre cutting wheel



3 Flange arrangement when using a straight cutting wheel



<p>(D)</p> <p>EG Konformitätserklärung Der Unterzeichnende erklärt im Namen der Firma</p>	<p>(GB)</p> <p>EC Declaration of Conformity The Undersigned declares, on behalf of</p>	<p>(F)</p> <p>Déclaration de Conformité CE Le soussigné déclare, au nom de</p>	<p>(NL)</p> <p>EC Conformiteitsverklaring De ondertekenaar verklaart in naam van de firma</p>	<p>(E)</p> <p>Declaracion CE de Conformidad Por la presente, el abajo firmante declara en nombre de la empresa</p>	<p>(P)</p> <p>Declaração de conformidade CE O abaixo assinado declara em nome da empresa</p>
<p>Ceka Works Ltd. • Pwllheli Gwynedd • North Wales • LL 53 5LH</p>					
<p>daß die</p>	<p>that the</p>	<p>que</p>	<p>dat de</p>	<p>que el/la</p>	<p>que</p>
<p>Maschine/Produkt</p>	<p>Machine / Product</p>	<p>la machine / le produit</p>	<p>machine/produkt</p>	<p>máquina/producto</p>	<p>a máquina/o produto</p>
<p>Winkelschleifer</p>	<p>Angle Grinder</p>	<p>Meuleuse d'angle</p>	<p>Haakse slijper</p>	<p>Lijadora angular</p>	<p>Rectificadora angular</p>
<p>Marke</p>	<p>produced by:</p>	<p>du fabricant</p>	<p>merk</p>	<p>marca</p>	<p>marca</p>
					
<p>Typ</p>	<p>Type</p>	<p>Type</p>	<p>type</p>	<p>tipo</p>	<p>tipo</p>
<p>LAG 115</p>					
<p>- Seriennummer auf dem Produkt - <input checked="" type="checkbox"/> EG Maschinenrichtlinie 89/392/EWG mit Änderungen <input checked="" type="checkbox"/> EG Niederspannungsrichtlinie 73/23 EWG <input checked="" type="checkbox"/> EG Richtlinie Elektromagnetische Verträglichkeit 89/336 EWG mit Änderungen entspricht.</p>	<p>- Serial number specified on the product - <input checked="" type="checkbox"/> EC Directive regarding machinery 89/392 EEC, as amended; <input checked="" type="checkbox"/> EC Directive regarding low-voltage equipment 73/23 EEC; <input checked="" type="checkbox"/> EC Directive regarding electromagnetic compatibility 89/336 EEC, as amended.</p>	<p>- no. série indiquée sur le produit - <input checked="" type="checkbox"/> Directif CE relative aux machines 89/392 CEE avec les modifications y apportées; <input checked="" type="checkbox"/> Directive CE relative aux basses tensions 73/23 CEE; <input checked="" type="checkbox"/> Directive CE relative à la compatibilité électromagnétique 89/336 CEE avec les modifications y apportées.</p>	<p>- seriennummer op het produkt - conform de volgende richtlijnen is: <input checked="" type="checkbox"/> EG machinerichtlijn 89/392/EWG met wijzigingen <input checked="" type="checkbox"/> EG laagspanningsrichtlijn 73/23 EWG <input checked="" type="checkbox"/> EG richtlijn Elektro-magnetische compatibiliteit 89/336 EWG met wijzigingen</p>	<p>- No. de serie en el producto; satisfice las disposiciones pertinentes siguientes: <input checked="" type="checkbox"/> Disposición de maquinaria de la CE 89/392/CEE con modificaciones <input checked="" type="checkbox"/> Disposición de baja tensión de la CE 73/23 CEE <input checked="" type="checkbox"/> Disposición de la compatibilidad electro-magnética de la CE 89/336 CEE con modificaciones.</p>	<p>- cujo número de série encontra-se no produto - <input checked="" type="checkbox"/> Directiva da CE de máquinas 89/392/CEE, com alterações <input checked="" type="checkbox"/> Directiva da CE de baixa tensão 73/23 CEE <input checked="" type="checkbox"/> Directiva da CE de compatibilidade electro-magnética 89/336 CEE, com alterações</p>
<p>EN 50144-1; HD 400.2; EN 55014-1; EN 55014-2; EN 55014-3; EN 61000-3-2; EN 61000-3-3</p>					
<p>Pwllheli Gwynedd, den 03.07.2000</p>  <p>Meyerjaten Product-Management</p>	<p>Pwllheli Gwynedd, (date) 03.07.2000</p>  <p>Meyerjaten Product-Management</p>	<p>Pwllheli Gwynedd, (date) 03.07.2000</p>  <p>Meyerjaten Product-Management</p>	<p>Pwllheli Gwynedd, datum 03.07.2000</p>  <p>Meyerjaten Product-Management</p>	<p>Pwllheli Gwynedd 03.07.2000</p>  <p>Meyerjaten Product-Management</p>	<p>Pwllheli Gwynedd 03.07.2000</p>  <p>Meyerjaten Product-Management</p>
<p>Achivierung / For archives: BWS-0643-26-4147 145-E</p>					

® WARRANTY CERTIFICATE

The guarantee period begins on the sales date and is valid for 2 years.

Responsibility is assumed for faulty construction or material or functional defects.

Any necessary replacement parts and necessary repair work are free of charge.

We do not assume responsibility for consequential damage.

Ceka Works Ltd.
Pwllheli
North Wales
LL53 5LH

Notes:

