Clarke®

weld

WELDING LEAD KIT

MODEL NO: WGK13

PART NO: 8134141

USER INSTRUCTIONS

UK CA CE

ORIGINAL INSTRUCTIONS GC 0925

INTRODUCTION

Thank you for purchasing this CLARKE product. This Lead Kit is a standard welding accessory kit for stick and MMA welding. The kit is suitable for use with Clarke CWG200 Welder Generator and all other welders with a 13mm dinse connector which are rated current up to 200A.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

KIT CONTENTS

- 1 x Earth Lead (including earth clamp & dinse connector)
- 1 x Electrode Holder Lead (including holder & dinse connector)

SPECIFICATION

Model Number	WGK13
Electrode holder	Type A
Rated current @ duty cycle	200A @ 35% (Electrode holder) 200A @ 60% (Clamp)
Clamp type	Crocodile spring clamp with 45mm jaw opening
Cable fixing	M6 nut/bolt
Suitable electrode sizes	2.5 - 4mm
Cable length	4.8m
Suitable socket size	13mm

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended. Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

SAFETY WARNINGS

WARNING: ELECTRIC SHOCKS CAN KILL. DO NOT TOUCH LIVE ELECTRICAL PARTS WITH BARE HANDS AND DO NOT USE WET OR DAMP GLOVES OR CLOTHING. USE THIS CLAMP ONLY FOR ELECTRICAL WELDS AND FOR RETURN CURRENT OF THE WELDING CIRCUIT.

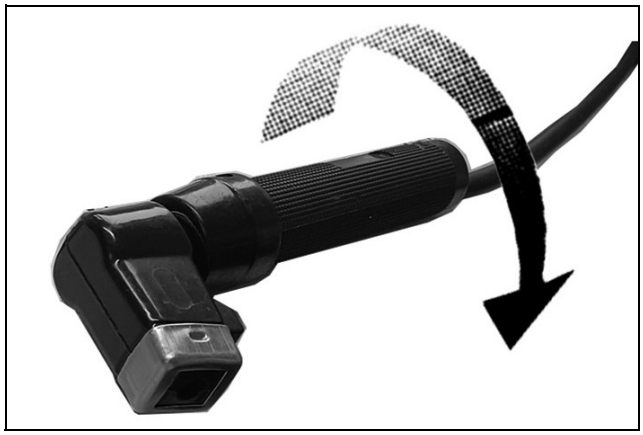
1. For electrical conductivity ensure that the cable is properly connected to the earth clamp.
2. Make sure that the earth clamp is properly connected to the workpiece to be welded, cleaning the contact area adequately.
3. Welding gloves must be worn when using this equipment.
4. **NEVER** look at an electric arc without protection. A welding headshield or helmet with appropriate lenses must be used when welding.
5. **DO NOT** use this product for anything other than its intended purpose. If damaged it must be replaced.
6. Cleaning and repair of the welding machine MUST BE CARRIED OUT with the machine SWITCHED OFF and disconnected from the electrical supply.
7. When welding indoors, ensure there is adequate ventilation.
8. After welding, always check that the area is free of any sparks or glowing embers.

The following safety symbols are to be found on this product or its packaging..

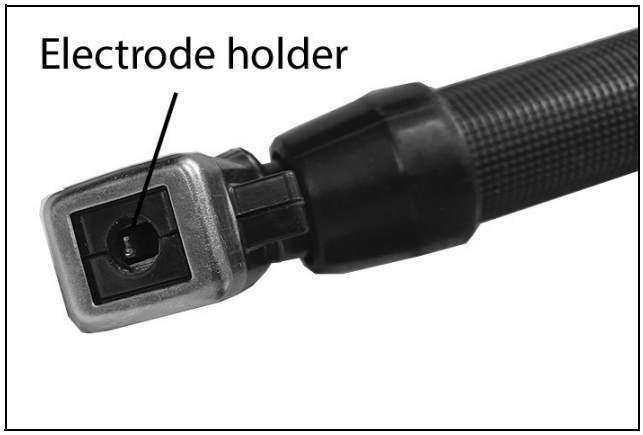
	Danger of electric shock		Fire Hazard
	Radiation Hazard - always wear a welding mask while welding		Gas Fumes - avoid inhalation
	Heat hazard - wear protective gloves		This product falls within the Waste Electrical & Electronic Equipment directive

PREPARATION FOR WELDING

1. Select the appropriate electrode which should be approximately the same thickness as the piece to be welded.
2. Release the electrode holder by twisting the handle grip until the welding rod can be inserted.



3. Tighten the grip until the electrode is secure.
4. Follow the instructions for the welding machine that you will be using, typically the CLARKE CWG200.



5. Connect the welding lead to the appropriate DIN socket on the welder.
6. Connect the earth lead to the COM DIN socket.
7. Ensure the earth lead is connected to the workpiece.

IMPORTANT: Ensure also that the earth clamp is attached to clean, solid metal. If necessary thoroughly clean with a wire brush or similar to guarantee a good connection.

WELDING TECHNIQUE

1. With the welder correctly connected to the power supply and the leads attached to the machine, ensure the earth clamp is firmly attached to the workpiece on clean, solid metal and as close to the proposed weld as is practical, and the appropriate current setting for the job has been set.

2. Bring the electrode to the work surface at an angle of approx 70^{o} then, **BEFORE** you strike an arc, bring the face shield up to protect your eyes.

Strike an arc by briefly touching the work surface with the tip of the electrode. Once the arc is struck or primed, raise the electrode slightly and maintain it at a distance of approx 1.5mm (1/16″) from the work surface, then proceed to move the electrode along its intended path, keeping the tip in the molten pool at all times. An even crackling noise should be heard, which is an indication of a good weld.

It is recommended that you practice on some scrap material in order to get a feel of the operation.

If the electrode is not withdrawn quickly enough once the arc is primed, there is a possibility that the electrode will weld itself to the workpiece. Should this happen, give it a sharp tug to free it and try again. If this fails to free it, turn OFF the machine immediately as it will quickly overheat.

If you withdraw the electrode too far once the arc is primed, you will lose the arc and have to try again.

3. Inspect the job carefully. With a correct combination of electrode size and current setting the area of weld should be complete fusion of the electrode and parent metal. Any slag which forms on the surface should be chipped away with a pick/ brush.

If the resultant weld looks messy and irregular, this is an indication of porosity or slag contamination and you have almost certainly failed to achieve the correct combination. This is a common problem, so do not worry as practice will quickly cure this.

MAINTENANCE

The torch and cable should be inspected before use, to ensure it is undamaged. **NEVER** use a damaged torch and ensure all connections are firmly secured before switching on the welder.

DO NOT dispose of welding products with general household waste. They contain valuable raw materials and should be disposed of appropriately at a recognised disposal facility. This product falls within the Waste Electrical & Electronic Equipment directive.

DECLARATION OF CONFORMITY - UK

UK CA

Clarke® INTERNATIONAL

Hemnall Street, Epping, Essex, CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

2014/35/EU	*Low Voltage Directive*
2011/65/EU	*Restriction of Hazardous Substances (RoHS) Directive*

The following standards have been applied to the product(s):

EN 50525-2-81:2011, IEC 60974-13:2021, IEC 62321-1:2013, IEC 62321-2:2013, EN 60974-11:2010, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-8:2017, IEC 62321-4:2013/AMD1:2017, IEC 62321-3-1:2013, EN 60974-12:2011, IEC 62321:2013

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2025

Product Description:	Welding Kit
Model Number(s):	WGK13
Serial/Batch Number:	Refer to product/packaging label
Date of Issue:	11/09/2025

Signed:

J.A Clarke

Director

WGK13 UKCA Clarke DOC 091125

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DECLARATION OF CONFORMITY - CE

CE

Clarke®
INTERNATIONAL
Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

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2011/65/EU	*Restriction of Hazardous Substances (RoHS) Directive*

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The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2025

Product Description:	Welding Kit
Model Number(s):	WGK13
Serial/Batch Number:	Refer to product/packaging label
Date of Issue:	11/09/2025

Signed:

J.A Clarke

Director

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