Operation Manual

Manual Ring Roller

61581

Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!
Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation
If you have suggestions for improvement or have found any irregularities, please contact us.

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Our postal address is:

WilTec Wildanger Technik GmbH
Königsbenden 12
52249 Eschweiler
Germany

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Returns Department
WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler

E-mail: **service@wiltec.info**
Tel: +49 2403 55592–0
Fax: +49 2403 55592–15

Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**
Keep these operation instructions safe.

Technical data

Ring size		Unlimited
Max. diameter round steel (mm)		6.5
Max. size flat steel (H × W) (mm)		5 × 25
Min. bending radius (mm)		70
Rolls	**Diameter** (mm)	32
	Serviceable width (mm)	25
Crank length (mm)		330
Weight (kg)		5.68

Store this manual safely

Read this manual and all safety warnings thoroughly and understand them before assembling the device or operating it.

You will need this manual for the safety and warning notes as well as the parts list. Keep the manual for future reference in a safe, dry area, where it is always available. Keep the purchasing receipt with the operating manual.

Safety and warning notes

Warning: When using an electrical device, machine, or equipment, absolutely follow basic safety regulations to reduce the risk of electrical shock, fire, or personal injury. Read all instructions before operating the device!

- Keep your work area clean and tidy. Untidy work areas increase the risk of injury.
- Consider the conditions of your work space. Do not work in humid, wet, or poorly lit working spaces. Do not expose the device to rain. Keep the working area well always illuminated.
- Keep children away. No children should be allowed near the work space. Do not allow children to operate this device either.
- Store unused equipment. When the device is not being used, it should be stored in a dry area to protect it from rust. Store the device out of reach from children.
- Never operate tools or devices by force. The tools and devices will carry out their work more reliable and safer if they are used within the range of performance that they are designed for.
- Use the proper tool. Do not use smaller tools or equipment for work needing to be carried out by industrial machinery. Never use a tool or device for a task that it was not designed for.
- Wear adequate clothing. Do not wear loose clothing or jewellery, as these can get caught in moving parts. We recommend that you wear protective gloves and slide-proof shoes. Tie long hair together to prevent it from being caught in the machine.
- Wear safety glasses and hearing protection. Use a full-face protection when processing materials that create metal, wood splinters, or dust. Protective glasses are sufficient for other

materials. Wear a clean respiratory mask when performing work that creates fine or coarse dust particles. When working for a longer period, wear a certified hearing protection.

- Secure workpieces. Use clamps or a vice to keep the workpieces in position if possible. This is safer than holding it by hand, as you have both hands to operate additional tools.
- Do not lean too much over. Make sure to have a secure, firm always stand and keep your balance.
- Thoroughly maintain your tools. Keep your tools sharp and clean to ensure that these are reliable and safe to work with. Follow the notes on lubrication and exchanging equipment. Keep the handles dry, clean, and free of oil and grease.
- Be aware. Focus on your work and always act on behalf of your best knowledge. Do not operate devices, machines, or tools if you are tired.
- Inspect the device for damaged parts before using a tool or device. Any part seeming to be broken needs to be properly checked for its correct performance. Check the alignment of the moving parts and ensure that they do not jam or have other damages. Make sure that no parts are damaged or the performance is limited in any other way. All damages need to be repaired or exchanged by a qualified person.
- Spare parts and equipment. When repair work needs to be carried out, only identical spare parts may be used. Only use equipment compatible with the device.
- Do not use machines and devices under the influence of alcohol, medicaments, or drugs. Read all safety information of the medicaments to know if your consciousness or reflexes are influenced by them. If you have any doubts, you should not operate the devices or machines.

Assembly

1. Push the connection piece **(19)** onto the drive shaft 2 **(17).** Make sure that the holes are positioned in one line (see fig.).
2. Push the handle **(15)** through the holes of the connection piece and the drive shaft.
3. Attach the connection with the taper pin **(20)** to the drive shaft.

Mounting

Warning! The manual ring roller needs to be attached safely before use.

1. Place the device in the desired area of the workbench.
2. Make sure that you can operate the handle comfortably, without any problems.
3. Mark the drilling positions on the workbench through the two pilot holes **(A)** in the device base **(25)** (see fig.).
4. Remove the unit.
5. Drill the holes into the marked spots on the workbench.
6. Mount the device with two screws, lock washers, washers, and nuts (in this order; not included in the delivery).

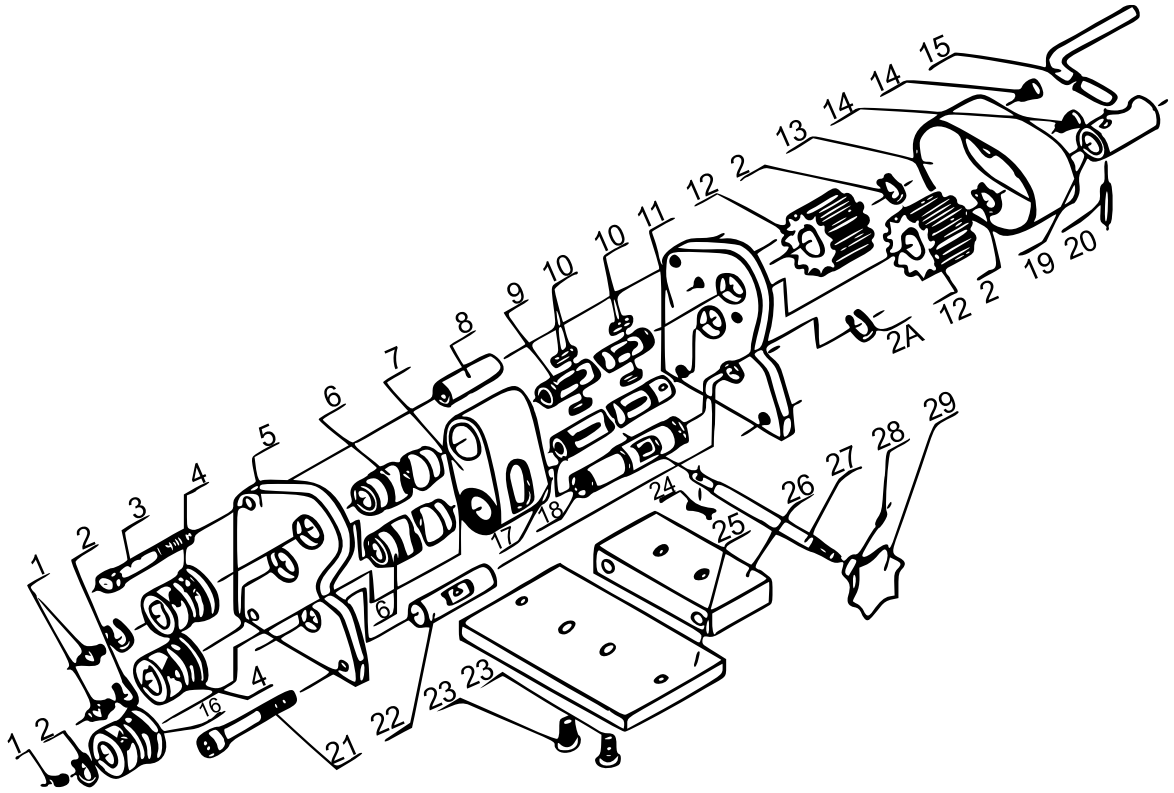
Operation

1. Determine the required ring size.
2. Move the adjustable wheel **(16)** by turning the rotary knob **(29)** up or downwards.
3. To bend a 2.54 cm (1″) ring, the adjustable wheel needs to be in the uppermost position.
4. To bend a 5.08 cm (2″) ring, the adjustable wheel needs to be in the centre position.
5. To bend larger rings, the adjustable wheel needs to be in the bottom position.
6. Place the material between the upper drive wheel **(4)** and the adjustable wheel, as well as the lower drive wheel.
7. Turn the rotary knob clockwise to clamp the material between the wheels.
8. Turn the handle **(15)** counter-clockwise to make the ring.
9. To remove the made ring, turn the rotary knob counter-clockwise to loosen the clamping effect.

Maintenance

1. Clean the device after every use with a non-toxic cleaning detergent.
2. The three lubricating points are the drive shafts 1 **(9)** and 2 **(17)** as well as the adjusting shaft **(18).** Grease it with the help of the grease nipples **(1)** (see fig.).
3. Store in a dry area, out of reach from children.

Exploded view and parts list



№	Name	Qty.	№	Name	Qty.
1	M8×1 grease nipple	3	15	Handle	1
2	#10 C-Ring	5	16	Adjustable wheel	1
2A	#22 C-Ring	1	17	Drive shaft 2	1
3	M10×60 hexagon screw	1	18	Adjusting shaft	1
4	Drive wheel	2	19	Connection piece	1
5	Left frame	1	20	8×28 taper pin	1
6	Copper jack	2	21	M10×25 hexagon screw	2
7	Stand	1	22	Axis (with hole)	1
8	Jack	1	23	M10×16 Hexagon screw	2
9	Drive shaft 1	1	24	3×12 Pin	1
10	4×25 key	4	25	Base	1
11	Right frame	1	26	Mounting plate	1
12	Transmission	2	27	Threaded spindle	1
13	Cover	1	28	M6×6 Screw plug	1
14	M6×45 hexagon screw	1	29	Rotary knob	1