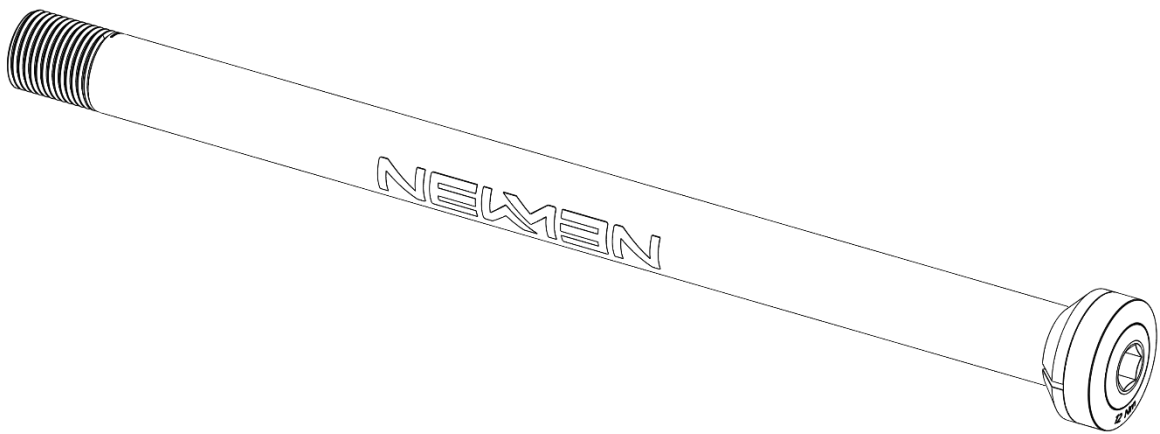


NEWMEN

NEWMEN axle

Technical Manual



Version: 1.0; Date: 11.09.2024

Content

1	Safety and instructions for use.....	3
2	Warranty and crash replacement.....	3
2.1	Warranty summary.....	3
2.2	Crash Replacement summary.....	3
3	Technical data.....	4
3.1	Compatibility for NONE-UDH standard.....	4
3.2	Compatibility for UDH standard.....	5
3.2.1	Axle conical head.....	5
3.2.2	Axle flat head.....	5
3.3	Axle mounting.....	5
3.4	Axle removal.....	5
4	Maintenance.....	5

1 Safety and instructions for use



DANGER

- Before every ride you should make sure that all the components are properly tightened.

Before and after every ride, check to see whether any of the components are damaged and that everything is still intact. If problems arise, the components should no longer be used. If you are in doubt, please see your local bicycle dealer.

- Follow the manufacturer's instructions for installing the components on the bicycle.
- The components need to be compatible with all parts of the bicycle.
- The components are only to be used according to their stated purpose.
- Only use original replacement parts. Do not change or modify the components.
- We recommend having any components maintained by a specialist.
- Do not clean the components with high-pressure power washers.
- If there is any damage or indication of damages, then the components cannot be used. If there is any doubt, please go to your local dealer.

2 Warranty and crash replacement

In addition to high-quality products, we also offer first-class service. That is why MG-Components GmbH & Co. KG provides not only the legally required warranty on all NEWMEN products, but also an additional three-year warranty on all material and manufacturing defects.

2.1 Warranty summary

- All components must be installed and used according to the assembly instructions.
- The respective manufacturer's warranty applies to all third-party parts.
- Improper use, not following the instructions for use, incorrect repair, assembly or maintenance (incorrect torque, incorrect lubrication, etc.) are not covered under the warranty.

2.2 Crash Replacement summary

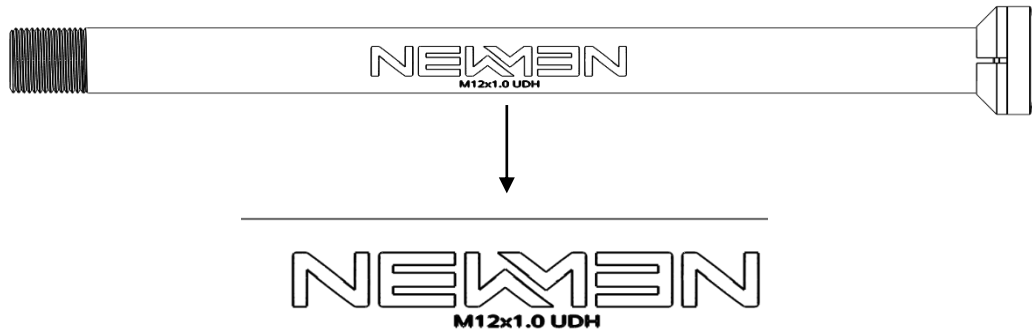
- The offer is valid for three years from the date of purchase.
- It can also be transferred to the next owner.
- Damages must affect functionality (visual damages are excluded).
- Replacement is made with the same model. However, MG-Components GmbH & Co. KG reserves the right to replace the damaged article with an alternative product of the same value.
- You have no legal claim to the damaged product, which will become the property of MG-Components GmbH & Co. KG.
- MG-Components GmbH & Co. KG will not pay for costs related to assembly, shipping or customs.
- Crash replacement is not a substitute for any warranty stipulations that apply in the individual countries.
- Components such as tyres, cassettes, brake discs, brake callipers, etc. must be removed.
- The following is a list of reasons why the warranty and the crash replacement service guarantee benefits may not apply.
- Damages caused by incorrect installation of the components.
- Damages caused by incorrect repairs to the components.
- Improper use, e.g. a cross-country wheelset used for downhill riding
- Modification to the components
- Maintenance or repairs that were either incorrectly done or not carried out
- Normal wear and tear from use of the components
- Transport and delivery damages

- Improper use and/or mishandling
- Damages from an accident

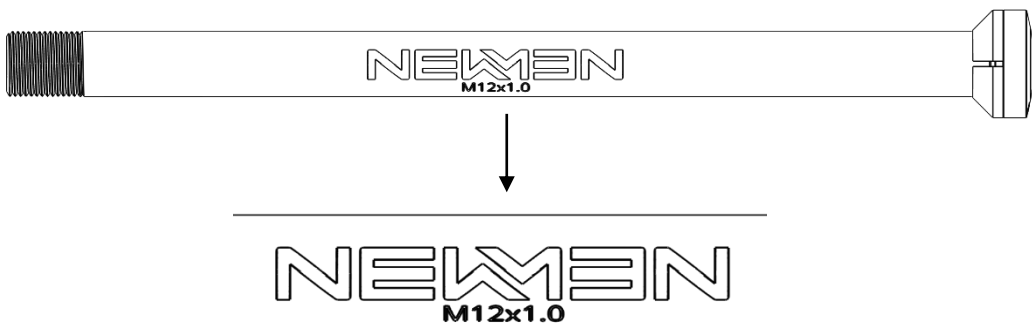
3 Technical data

NEWMEN provides thru axles with conical and flat contact surface from thru axle to frame. Thru axles are compatible for derailleur hanger with UDH standard and for derailleur hanger without UDH standard.

Use NEWMEN UDH axle **only** for UDH-Hanger. Axles for the UDH standard are marked with UDH lettering on the axle.



For NONE-UDH-Hanger use NEWMEN axle without UDH mark.



3.1 Compatibility for NONE-UDH standard

For NONE UDH we only provide thru axles with a conical head. Our NONE UDH thru axles are suitable for all known derailleur hanger standards.

Item-Nr.	Name
90980	NEWMEN axle 12x100 M12x1.0 X12 116mm
90981	NEWMEN axle 12x142 M12x1.0 X12 163mm
90982	NEWMEN axle 12x148 M12x1.0 X12 169mm
90986	NEWMEN axle 12x157 M12x1.0 X12 178mm

3.2 Compatibility for UDH standard

The appropriate thru axles have been designed for the different frame widths and installation widths. The respective thru axles can be selected using the NEWMEN UDH axle document on our website.

3.2.1 Axle conical head

Item-Nr.	Name
90990	NEWMEN axle UDH M12x1.0 X12 167mm
90991	NEWMEN axle UDH M12x1.0 X12 171mm
90992	NEWMEN axle UDH M12x1.0 X12 176mm
90993	NEWMEN axle UDH M12x1.0 X12 180mm

3.2.2 Axle flat head

Item-Nr.	Name
90985	NEWMEN axle UDH M12x1.0 170mm
90984	NEWMEN axle UDH M12x1.0 174mm
90983	NEWMEN axle UDH M12x1.0 178mm
90987	NEWMEN axle UDH M12x1.0 179mm
90988	NEWMEN axle UDH M12x1.0 183mm
90989	NEWMEN axle UDH M12x1.0 187mm

3.3 Axle mounting

- Use a 6 mm hex torque wrench
- Tighten clockwise to 12 Nm
- Ensure that the wheel is secured properly inside the frame/fork

3.4 Axle removal

- Use a 6 mm hex key
- Turn the hex key anti-clockwise in order to loosen the axle

4 Maintenance

Check before every ride

The axle, frame and fork must be free of grease and dirt.

Check your axle system before every ride and make sure that the wheel is correctly installed on the frame/fork.

Make sure that that the axle is tightened to 12Nm.