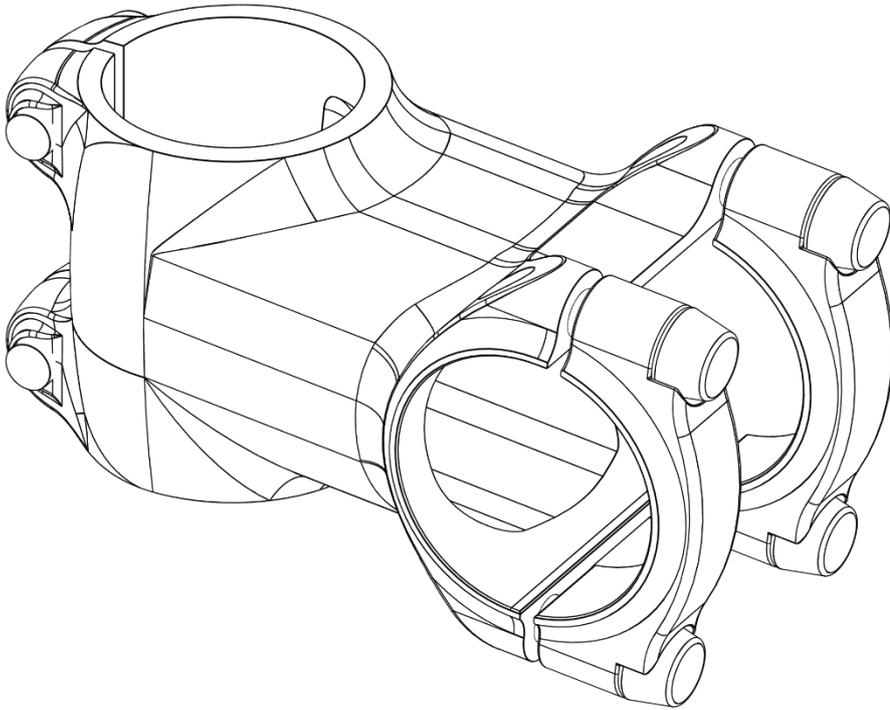


NEWMEN

Stems

Evolution 318.2 / 318.4
Evolution SL 318.2 / 318.4
Technical Manual



Version: 1.0; Date: 11.04.2024

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1 Safety and instructions for use



DANGER

Not following the below points can cause the components to fail which can cause the rider to lose control resulting in SEVERE INJURY OR DEATH.

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 user manuals for all NEWMEN products can be found at www.newmen-components.de/Downloads
- Follow the manufacturer's safety instructions
- Follow the maximum system weight as specified in the manufacturer's instructions
- Before every ride you should make sure that all the components are properly tightened.
- The components must be compatible with all parts of the bicycle. If in doubt consult your dealer
- The components are only to be used according to their stated purpose. See the document "classification and intended use" at www.newmen-components.de/Downloads • Only use original replacement parts. Do not change or modify the components.
- All components must be serviced by a specialist dealer according to the maintenance plan in the product manual.
- 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 without further analysis. If there is any doubt, please contact your local dealer.

MG-Components GmbH & Co KG offer first class service and crash replacement exceeding the legally required warranty. For detailed information please visit www.newmen-components.de

1.1 General safety instructions for the stem

- Before every ride check that the stem is functioning properly.
- Do not use any aggressive cleaning agents.
- Check that the stem is properly secured on the steerer tube.
- Check that the handlebar is properly secured in the stem.
- If the permissible tightening torque is exceeded, this jeopardises your safety and voids the warranty.

2 Warranty and crash replacement

In addition to high-quality products, we also offer firstclass 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, as well as damages caused by incorrect assembly (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

• Intended Use	MTB / Gravel / Road		
• Angle	6° / only Evolution SL 318.2 is available in -17°		
• Handlebar Diameter	31,8 mm		
• Construction Height	43 mm		
• Minimum Insertion	41 mm		
• Max. System Weight	no limitation		
• Material	Aluminium		
• Length / Weight	Evolution SL 318.2	50 mm - 100 mm	69 g – 96 g
	Evolution SL 318.4	30 mm - 120 mm	88 g – 138 g
	Evolution 318.4	30 mm - 130 mm	114g – 172 g

4 Installation and Maintenance

4.1 Installation of the stem

-Make sure that the steerer tube extends up to at least 1 mm below the top of the stem or extends beyond the stem.

-Put the stem on the steerer tube and mount a suitable Ahead cap.

Then tighten the Ahead cap screw with the stem's clamping screws open so that when the front wheel brake is applied there is no longer any noticeable bearing play when the wheel is moved forward or back or when the fork is bent forward or back.

-Next, tighten the stem's clamping screws in alternation with the torque specified by the fork manufacturer. This however must not be greater than 6 Nm.

-Put the wheel between your legs and check whether the stem is secured against rotation in the steerer tube. The stem should withstand a torque of at least 60 Nm.
For carbon steerer tubes use a carbon assembly paste where necessary.

-The fork then needs to be able to be turned with ease in the head tube. Please also observe the instructions for adjustment in your bike's operating manual.

Note: Please note in relation to disc brakes and/or suspension forks: Any potential noticeable bearing play can arise as a result of knocked-out fork bushes, "floating brake discs" or from disc pad play.

4.2 Installation of the handlebar (open stem)

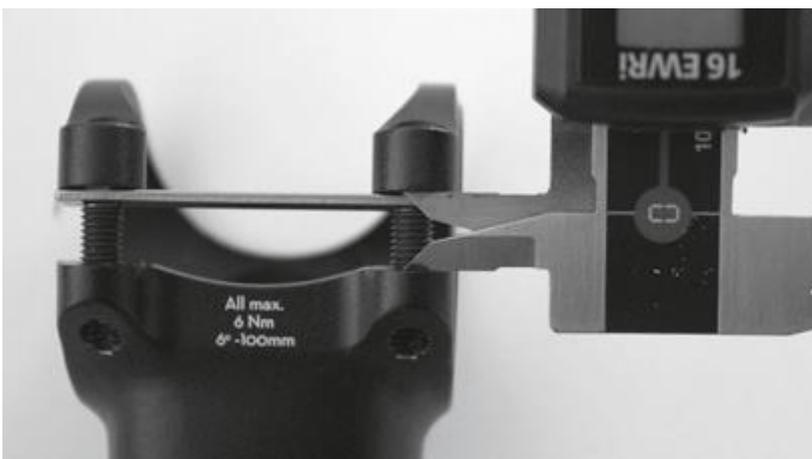
Proceed in accordance with the operating manual provided by the handlebar manufacturer.

4.3 Installation of the handlebar (closed stem, such as: NEWMEN EVOLUTION SL 318.2)

-Unscrew the two clamping screws of the handlebar clamp out of the stem.

-Screw the two threaded pins that accompany the stem into the thread of the handlebar clamping screws until they can no longer be seen in the clamp gap.

-Push the assembly aid (steel plate) into the clamp gap of the stem and turn the threaded pins alternately in an anticlockwise direction until the clamp gap is open by not more than 9 mm.



-Now thread the handlebar through the opening in the stem. Slowly turning the handlebar helps you to find the right threading position.

-Next, put the handlebar in the desired position and align it.

-Ensure that the handlebar is installed in the centre.

-Then tighten the handlebar clamping screws in alternation according to the specified torque. This however must not exceed 6 Nm.

-Now push the control units (gearshift, Vario supports and brake handle unit etc.) onto the handlebar.

-Tighten all control units to a maximum of 1.5 Nm and use carbon assembly paste if in doubt.

Tip: If you use carbon assembly paste to install your carbon handlebar, the handlebar and/or the control elements are additionally secured against rotation without the stem screws needing to be tightened significantly or without the clamps of the control elements constricting the handlebar too severely. This protects the handlebar and the stem screws.

4.4 Shortening the handlebar

- Proceed in accordance with the operating manual provided by the handlebar manufacturer to shorten the handlebar.

4.5 Maintenance intervals

The following maintenance intervals are to be followed.

Task	Interval
Check the stem for tight fit, damage and irregularities	Before and after every ride
Clean with a soft towel and a suitable cleaning agent (no aggressive cleaning agents)	After every ride

Table 1: Maintenance intervals