

Intend

Stiffmaster
- Manual 2017 -



Construction:

The Intend Stiffmaster is a special headset, which improves the stiffness of your 1 1/8" steerer tube.

Technical specs:

- **44mm** framediameter (ZS44)
- **28,6mm** steerertubediameter
- **14mm** stackheight (+ spacer)
- **73g** incl. titanbolt
- 1x **M4x16mm** Bolt
- **3mm** allen key

Torque:

The maximum torque of the clamping bolt is **3 Nm**.

Bearings:

1x 6806 2RS – 30 x 42 x 7mm

1x AXK 3047

2x AS 3047

Installing:

Please do not DISASSEMBLE the headset before installing. If the headset is assembled wrong, the seal can get damaged and I have to send a new one – of course we should avoid this.

For installing the Stiffmaster it is not necessary to disassemble the headset unit. The bearings are strong enough to withstand the pressing force.

Please add a small amount of grease (doesn't matter which kind of grease) in the frame or the headset and press in the headset carefully with a soft-hammer or a special headset tool.



Put Spacers, stem and headset on the steerer tube and preload the headset (as tight as possible without influencing a smooth run)

Try to position the Stiffmaster-cap and the clamp of your stem in one line (for optical reasons) and then fix the bolt with **3Nm**.



Service:

The bearings of Stiffmaster are NOT out of stainless steel. This is because this kind of axial bearings is not available in stainless steel from the industry. There is salt-water resistant grease everywhere inside the headset to avoid any wear and corrosion (I use Liqui Moly Marine Boat-Grease Ship-Grease 25043). After a certain time of riding in wet and salty conditions, it can be necessary to disassemble the unit, to clean it and to regrease it again.



If so, disassemble the unit and a press out the inner shell with a **22mm** (smaller than 30mm) nut to push out the inner shell like shown in the picture. You need any underlayment with an inner diameter of > 32mm to be able to push out the inner shell.

Disassemble all parts, clean it, grease it again and put it in again.

The next step is to put in the first axial-washer onto the blue shell (don't forget the black 30x1mm o-ring around the blue shell), followed by the axial bearing and the second axial-washer like shown in the pic.



Then put the O-ring onto the bearings in the groove. Make sure that it does not lay between the bearing washers. For this it might be necessary to put some pressure on the waser with 3 fingers.



Push the lower cup with the already pressed in radial bearing onto the unit. By pushing all together, the blue shell comes out through the upper cup with. Ensure a proper and smooth run of the unit. If not, maybe the o-ring is anywhere where he shouldn't be. If you put in everything correctly, you will feel a smooth run of the headset in the assembly step shown on the right side.

If the O-ring gets slightly damaged anywhere, this does NOT make a big influence of the seal – don't worry!



Press it in like shown left or use a device for this step e.g. a softhammer or a bench vice (Schraubstock).

You are ready !