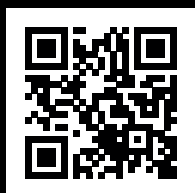


20 | 35 | 50

GRAVITY



Traduction Française
Deutsche Übersetzung

HOPETECH.COM

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CAUTION: READ THIS BEFORE INSTALLING YOUR STEM!

Riding bicycles can be dangerous. These instructions should be read thoroughly before installation. Failure to follow these instructions before installing and using Hope Technology components can result in severe injury or death.

BOX CONTENTS

- Stem • 6 x Bolts
- For 20mm stem **only**: headset cap and bolt

TOOLS REQUIRED

- 5mm Hex • Torque Wrench

PRODUCT SPECIFICATIONS

Depending on Stem model:

- Handlebar clamp diameter: Ø31.8mm - Ø35mm
- Length: 20mm - 35mm - 50mm
- Rise: 0°
- Fork steerer tube: Ø1 1/8" (Ø28.6mm) **ONLY**

HOPE WARRANTY AND SUSTAINABILITY

All Hope Technology components are covered for two years from original date of purchase against manufacturer defects in material and workmanship. Proof of purchase is required. Product must be returned to the original retailer to process any warranty claim. This warranty does not cover any damage caused through misuse or failing to comply by the recommendations given in this manual. This warranty does not affect your statutory rights.

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PRELIMINARY CHECKS

001 Ensure that the steerer tube is cut cleanly and level and is free of any burrs (inside and outside).

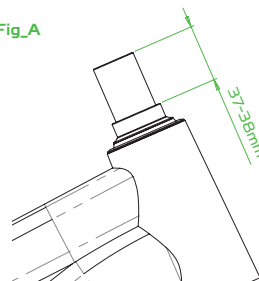
For 35mm and 50mm stem: The stem should sit, once installed on the top of all headset parts and spacers, so that the steerer tube is approximately **2 to 3mm below** the top of the stem. This is equivalent to **37-38mm** of clear space on the steerer tube above all headset parts and spacers. **See Fig A and B.**

For 20mm stem: To ensure the steerer tube isn't bottoming out on the stem but yet has enough insertion, there must be between **31-33.5mm** of clear space on the steerer tube above all headset parts and spacers. **See Fig A and B.**

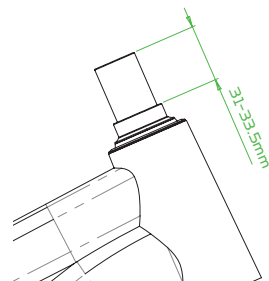
002 Ensure the steerer tube and handlebar clamp areas are both clean and dry. **NO GREASE!**

003 It is also advisable to remove all bolts from the stem and apply a small amount of grease to the threads and under the bolt head. If you are fitting **Ti bolts**, it is preferable to use copper slip grease or Ti-Prep to avoid seizing.

Fig_A



35 and 50mm Stem



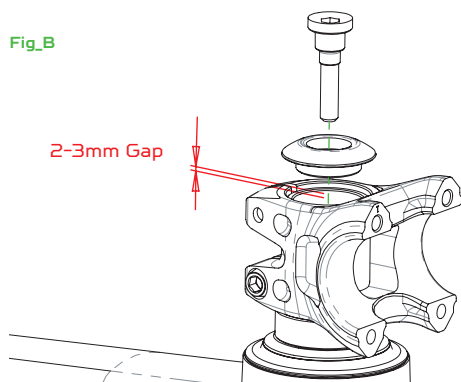
20mm Stem ONLY

INSTALLATION

001_ If not already done, undo or remove the steerer tube bolts to allow the stem to slide freely onto the tube, also remove both front clamps. Making sure the stem etching is facing up, slide the stem onto the steerer tube and push down until it touches the spacers or top of headset.

002_ Install the top cap and compression bolt of the head doctor [or other adjustment device] as per manufacturer's specifications [Typically preload the headset bearings until all play is removed but rotation is still smooth]. **See Fig B.**

Fig_B



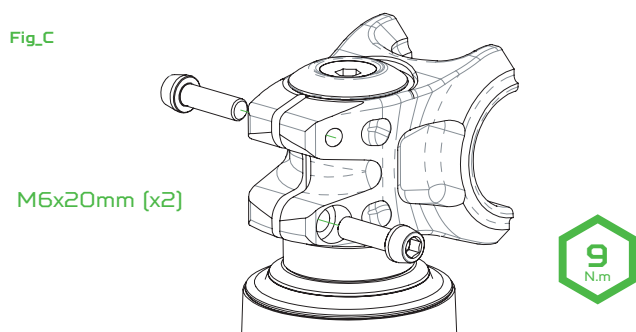
003_ Re install the two greased steerer tube clamp bolts and slightly tighten them. When you are happy with the stem orientation [Making sure the stem is in line with the front wheel!], tighten the steerer tube bolts alternating between the two bolts to ensure even clamping.

Recommended tightening torque: **9 N.m**

See Fig C.

NOTE: To help align the stem, the bars could be put in place and slightly tightened at this stage.

Fig_C



004_ Install the handlebar and position the two handlebar clamps.

For 35mm and 50mm Stem: First, install the two top clamp bolts [previously greased] and slightly tighten them. When you are satisfied with the handlebar position, tighten the two top clamp bolts.

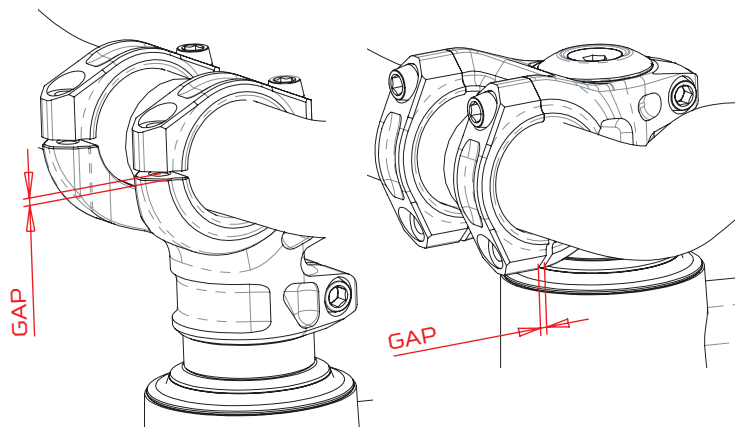
For 20mm Stem: First, install the two rear clamp bolts [previously greased] and slightly tighten them. When you are satisfied with the handlebar position, tighten the two rear clamp bolts.

Alternate between the two bolts when tightening.

Recommended tightening torque: **9 N.m**

NOTE: There should be an assembly gap at the bottom or front of the plate. **See Fig D.**

Fig_D



005_ Install the two remaining clamp bolts and tighten them alternatively. Recommended tightening torque: **9 N.m**
See Fig E.

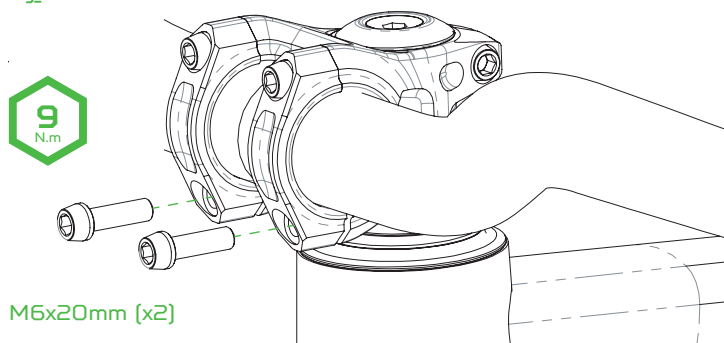
NOTE: All custom Stainless Steel bolts used in the stem are 6.8 grade. **DO NOT** substitute them for lower strength bolts. You can use one of Hope's **Ti bolt upgrade kits**. Ti bolts are Ti 6Al 4V and custom made for Hope stems.

DO NOT use any lower strength bolts.

DO NOT use shorter bolt length than the one specified here.

FULL THREAD engagement is required.

Fig_E



MAINTENANCE

- Periodically check the hardware for tightness. Be careful not to **over tighten** the bolts!
- Periodically re-grease hardware using appropriate grease.
- Regularly inspect all parts of the stem for any sign of damage, especially after any **BIG CRASH!**

NOTES:

INST038_EN: Instruction - Gravity Stem - V2