MAGMA INTEGRATED HANDLEBAR – USER MANUAL

Integrated handlebar compatible with AURUM MAGMA and Essentia bicycles

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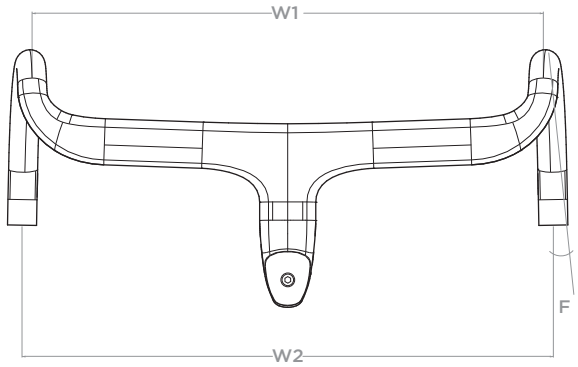
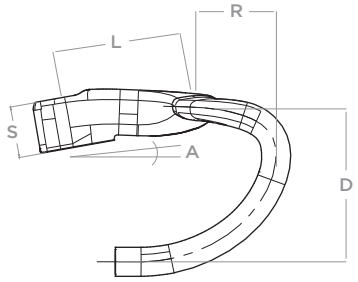
AURUM INTEGRATED HANDLEBAR

- Material: ECT carbon fiber for high torsional rigidity and vertical shock absorption.
- Construction: Monocoque, 1-piece handlebar with silicone mandrel for added strength and flawless surfaces.
- Ergonomic and soft shapes to allow total control and comfort.
- Aerodynamics: NACA profiled surfaces combine comfort and speed. Carbon fiber cap, with aluminum screw.
- Built-in stem for a clean look and smooth surfaces that won't hurt your knees.
- CNC machined computer support for devices such as Garmin, Wahoo, and GoPro.
- Includes 5- and 10-mm spacers that allow installation after cable routing.
- Weight: 330g for 400x110mm measurement.





SIZE	38	40	42
Width W1	380mm	400mm	420mm
Width W2	395mm	415mm	435mm
Reach - R	80mm		
Drop - D	125mm		
Flare - F	4 degree		
Angle - A	-6 degree		
Stack - S	42mm		
Length - L	90/100/110/120/130mm		

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Description:

1. ECT carbon fiber monocoque handlebar
2. Cap screw - aluminum M6 thread
3. Stem cap - carbon fiber
4. Stem tightening plate - PW1
5. Stem tightening screws - 2xM8 stainless steel.
6. 5mm Spacers - HS51
7. 10mm Spacers - HS101
8. Essentia Headtube Cover - 1-1/8" - HC4
9. HeadTunnel Opening Cap for Essentia - MHTICR1
10. Headset cover 1.5" MAGMA HC5 - 10mm
11. Headset cover 1.5" MAGMA HC6 - 20mm
12. GPS Mount - CNC Aluminum
13. GPS support tightening screws - Aluminum M5 thread
14. GPS support and accessories for Garmin, Wahoo, GoPro, lights, etc.

Tools needed for assembly

- Torque wrench with 4mm hexagonal head and adjusted to 5Nm
- 4mm hex key
- 6mm hex key
- 2mm hex wrench

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ASSEMBLY INSTRUCTIONS

Instructions in case of mounting the handlebars on a new frame/fork:

Install the fork through the front tube of the frame with the lower and upper bearings, compression ring and headset cover corresponding to your frame. Add spacers, if necessary, until the desired handlebar height is achieved. Make a mark on the fork tube where it peeks out of the stem.

Remove the fork from the frame and cut the fork tube 4mm below the mark made. Use a special carbon fiber saw. Using a fine file, smooth the edge of the cut tube.

Insert the PG2 compressor into the fork tube until the cap makes flat contact. Use a 6mm hex wrench and tighten to a maximum of **8Nm**.

Instructions in case of mounting the AURUM handlebar in replacement of a conventional stem/handlebar on a previously cut fork:

Mount the AURUM handlebar on the fork and install the spacers suitable for your position or handlebar height. Check that, once the handlebars are mounted, the top of the stem (without the cap) is 3 or 4mm above the end of the fork with the compressor installed (Fig.1).

Route the brake hoses through the handlebars by inserting them through the opening at the bottom of the stem (Fig.2 and 3)

In the case of Essentia, replace the cable entry part in the frame with the MHTICR1 cover with AURUM logo, using the same 2 M3 screws (Fig.4).
Tighten with a 2mm hex wrench.

Fig.1

Fig.2


Fig.3

Fig.4

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Fig.5

Fig.6

Mount the handlebars on the fork and make sure the headset cap, spacers and handlebars fit together properly with no clearance between them.

The spacers can be opened (Fig. 5) so that they can be put on or taken off as well once the cables and fork have been mounted. In that case, be careful not to open the spacers more than strictly necessary to prevent them from becoming over-warped or breaking.
Insert the PW1 (Fig.6) between the rear of the stem and the fork tube as shown (Fig.7), until it stops. It should be 1mm below the top surface of the stem (Fig. 1).

Next, install the stem cover and the long aluminum screw (Fig. 8). Align the stem well with the front wheel and lightly tighten the screw until the steering turns smoothly but without slack.

Using the torque wrench regulated to 5Nm, alternately tighten the two screws on the rear of the stem (Fig. 9). Tighten gradually, alternately, until you reach a maximum torque of 5Nm and do not tighten any more.

Fig.7

Fig.8

Fig.9

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Lift the bike by the handlebars and check that the handlebars are spinning smoothly and freely, and that there is no slack when bouncing the front wheel on the ground.

Install the brake/shift levers on each side of the handlebar in the roughly painted area. There are line and dot markings to help you adjust the two levers equally (Fig. 11). Tighten the levers to a maximum torque of 5Nm.

Install the handlebar tape and don't forget to place the plugs at the lower end, for your safety (Fig. 12).

Fig.10

Fig.11

Install the GPS mount (Fig.13) on the bottom of the handlebar. Tighten both screws alternative until the mount is securely in place without any play.

The mounts for Garmin, Wahoo and GoPro can be mounted and changed with a 2mm hex wrench, be careful not to lose these small screws.

Fig.12

Fig.13

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