

BLUE PAPER MTB COMPONENTS





INDEX

EN P.03 | ES P.17

01 KEY TO SYMBOLS	4
02 ORBEA WARRANTY	5
03 SAFETY WARNINGS	5
04 OC MTB HANDLE BARS	7
05 OC MTB STEMS	9
06 ADDITIONAL INFORMATION	15

01 KEY TO SYMBOLS

Throughout this technical manual, various symbols are used that indicate instructions and warnings for use, maintenance and assembly. Pay attention to these symbols to avoid hazardous situations and ensure the correct use and assembly of all components.

The meaning of these symbols is explained below. In this manual, the symbol may appear accompanied only by the relevant instruction for the component described. Read the following information carefully in order to understand their meanings.

SAFETY INSTRUCTIONS

⚠ DANGER: Immediately hazardous situation. If not avoided, serious injury or even death will occur.

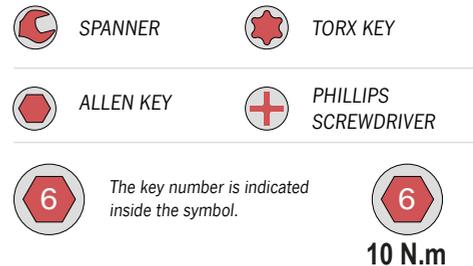
⚠ WARNING: Potentially hazardous situation. If not avoided, serious injury or even death may occur.

⚠ CAUTION: Potentially hazardous situation. If not avoided, minor or moderate injury may occur.

NOTICE Not related to injury. Property situation hazard.

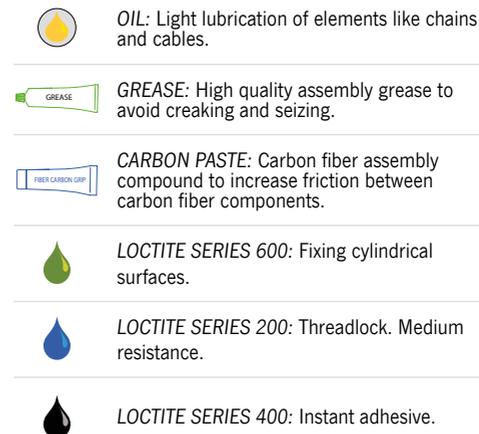
The symbols **DANGER** and **WARNING** inform about a dangerous situation that, if not avoided, may cause an accident. An accident while riding a bicycle always poses risk of serious injury or even death. In this manual, the risk of death may therefore not always be mentioned when these symbols appear, since the risk is explained here.

TOOLS AND TIGHTENING TORQUES



TIGHTENING TORQUES: The corresponding tightening torque (in Newtons/meter) is indicated beneath the symbol of the tool to use for the element described.

ASSEMBLY COMPOUNDS



02 ORBEA WARRANTY

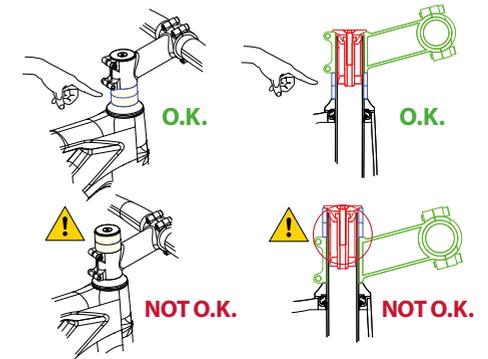
By law, we offer either a two-year **LEGAL WARRANTY** or a warranty valid for the legal period established in your country. **ORBEA** warranties all products it manufactures and/or distributes against any non-conformity issues for the first two years after their purchase. This warranty is only valid for the original buyer of the product, who shall have the right, in the event of any lack of conformity, to the repair and/or replacement of the defective product, completely free of charge for the affected user.

Likewise, this warranty also specifically covers paint, varnish and corrosion defects on all frames and rigid forks assembled on our bicycles during the period specified in the first paragraph of this warranty. This legal warranty from Orbea is fully compatible with the legal and sales warranties offered by the manufacturers and dealers of the individual components of other brands assembled on our bicycles, and in the case of any lack of conformity of any of these said components, the user must process the individual warranty claim for these components directly with said manufacturers or dealers

Consult the full terms and conditions of the legal warranty on our web: www.orbea.com/gb-en/warranty/

HEADSET SPACERS ABOVE THE STEM

CARBON EXPANDER POSITION INSIDE THE FORK STEERER TUBE



03 SAFETY WARNINGS

TORQUE SETTINGS

⚠ Always follow the recommended torque settings for the components in this manual. Not observing the correct torque settings may cause the components to fail, which may lead to accidents resulting in serious injuries.

HEADSET SPACERS

⚠ Never install more headset spacers below the stem than the maximum recommended in the bicycle's technical manual. Consult the bicycle's Bluepaper in the manuals section on our website to find out the maximum number of headset spacers that an Orbea frame allows for. Installing more headset spacers than the maximum allowed may stress the materials beyond the use they were designed for, which may cause breakages that may lead to accidents and serious injuries.

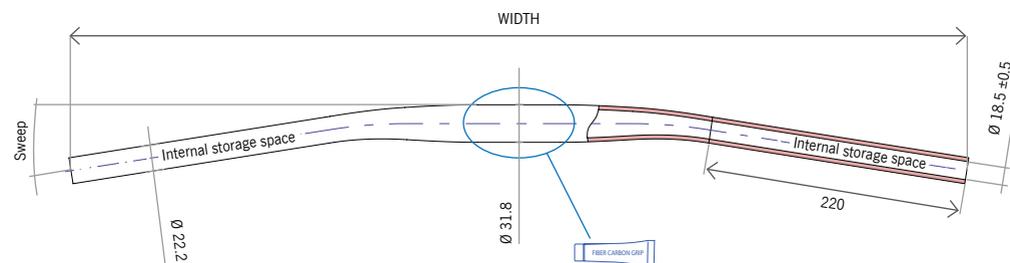
⚠ Never install headset spacers above the stem. Placing spacers above the stem, especially on forks with a carbon steerer tube, can cause the carbon expander inside the fork tube to be positioned above the lower limit of the steerer tube, which can stress the materials beyond the use for which they were designed, possibly causing accidents and serious injuries.

⚠ The length of the fork steerer tube must always be appropriate for the position of the stem in the fork. The stem must always be installed in the steerer tube of the fork so that both fastening bolts on the back of the stem are positioned above the surface of the steerer tube of the fork. Never mount the stem so that the top fastening bolt of the stem remains above the top edge of the fork steerer tube. This will stress the materials beyond the use for which they were designed, possibly causing accidents and serious injuries.

04 OC MTB HANDLEBARS



OC3 MTB CARBON HANDLEBAR



TECHNICAL SPECIFICATIONS

MATERIAL	CARBON
RECOMMENDED USE	XC
WEIGHT	197gr
WIDTH	780mm
SWEEP	9°
RISE	0mm
EFFECTIVE REACH	38mm
STEM CLAMPING DIAMETER	31.8mm
LEVERS EXTERNAL DIAMETER	22.2mm
INTERNAL DIAMETER (MULTITOOL STORAGE)	18mm +/- 0.5mm
MULTITOOL STORAGE AREA LENGHT	220mm

INTENDED USE

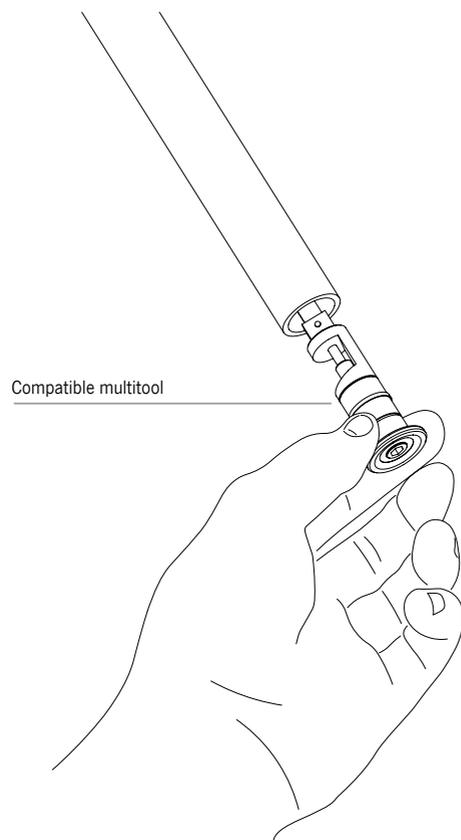


The intended use of all models is ASTM Condition 3, that includes Condition 1 and 2 as well as technical natural trails with jumps and drops up to 61 cm. The use of a bicycle on this terrain requires technical skills and may cause beginners to sustain injuries. For information about all ASTM categories, consult the General User Manual.

MULTITOOL STORAGE

The OC3 MTB carbon handlebar allows for storage of tools of up to 18mm diameter inside the handlebar.

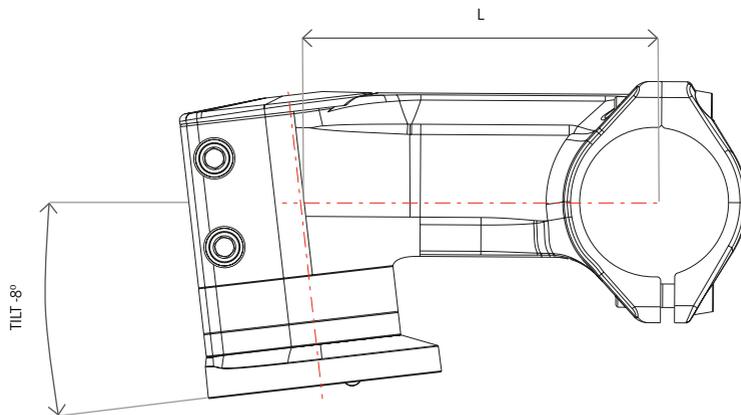
Introduce your compatible multitool into the handlebar end and fix it in position with the multitool fixing method so it remains secure during riding.



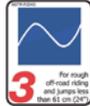
05 OC MTB STEMS



OC3 MTB STEM

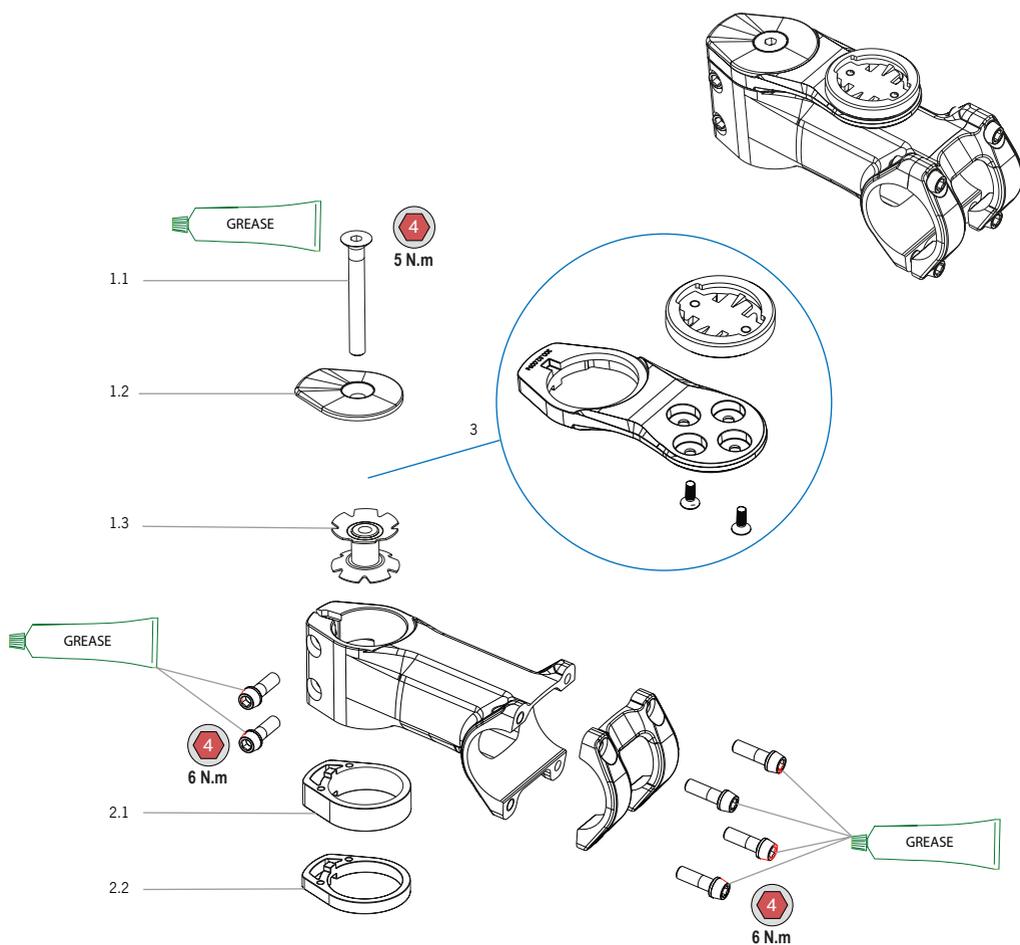


TECHNICAL SPECIFICATIONS

MATERIAL	ALUMINUM
FORK STEERER TUBE	
Diameter	Ø1" 1/8
Clamping height	35mm
Maximum headset spacers	DEPENDS ON THE FRAME
HANDLEBAR	
Diameter	Ø31.8 mm
AVAILABLE LENGTHS (L)	60mm, 75mm, 90mm
TILT	-8°
FRAME	Multiple options. Consult the bicycle technical document
HEADSET SPACERS	SPECIFIC ORBEA PROFILED
STEM TOPCAP	SPECIFIC ORBEA PROFILED
COMPUTER HOLDER (Optional)	SPECIFIC ORBEA PROFILED . Without computer weight or size limit
COMPATIBLE COMPUTERS	Garmin. Wahoo
WEIGHT	125 gr (75mm)
INTENDED USE	 <p>The intended use of all models is ASTM Condition 3, that includes Condition 1 and 2 as well as technical natural trails with jumps and drops up to 61 cm. The use of a bicycle on this terrain requires technical skills and may cause beginners to sustain injuries. For information about all ASTM categories, consult the General User Manual.</p>

NOTICE The OC3 MTB stem is assembled on different Orbea frames. The specific frame, as well as whether a Blocklock headset is assembled, determines what combination of headset cover and top headset bearing assembly is used with the OC3 MTB stem. Consult the specific bicycle Blue Paper technical document in the manuals section of our website to know the headset assembly on your bicycle.

SPARE PARTS AND ASSEMBLY



⚠ Always follow the recommended torque settings.

01 OC3 TOPCAP KIT

Includes starnut and preload bolt

ART N°:	X018	QUANTITY
1.1	BOLT M6x50	1
1.1	OC3 TOPCAP	1
1.1	STARNUT 1 1/8"	1

⚠ Do not use a starnut on fork with a carbon steerer tube, it will damage the steerer tube. Use a carbon expander instead.

02 OC3 MTB HEADSET SPACERS KIT

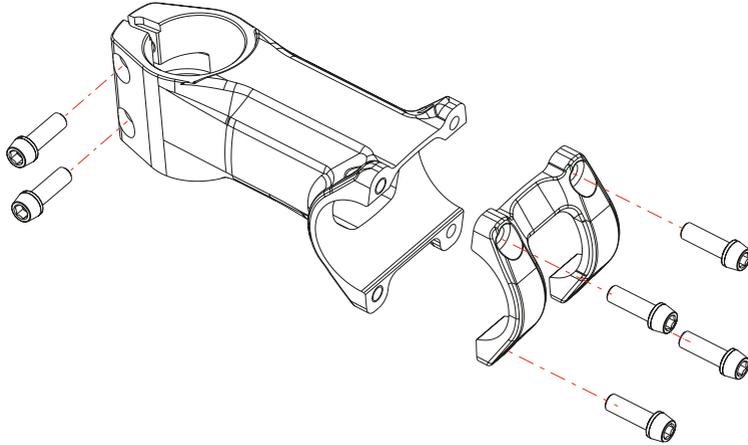
ART N°:	X021	QUANTITY
2.1	OC3 HEADSET SPACER 10mm	2
2.2	OC3 HEADSET SPACER 5mm	2

03 OC3 STEM TOPCAP COMPUTER HOLDER KIT

ART N°:	X020	QUANTITY
3.1	OC3 TOPCAP COMPUTER HOLDER	1
3.2	GARMIN ADAPTER	1
3.3	WAHOO ADAPTER	1
3.4	COUNTERSUNK BOLT M3x8	2

NOTICE The OC3 topcap computer holder is compatible with the OC1 road stem.

OC3 MTB STEMS



04 OC3 MTB STEM

ART N°: X019	QUANTITY
Topcap not included. Includes faceplate and 6 bolts M5x15 AVAILABLE SIZES: 60mm, 75mm, 90mm	1

06 ADDITIONAL INFORMATION

ORBEA participates actively on facebook and Twitter with our fantastic global community of riders. Looking to find spots to ride or plan a vacation? Someone will have the answers:

FACEBOOK

www.facebook.com/OrbeaBicycles

TWITTER

www.twitter.com/Orbea/

YOUTUBE

Visit our Orbea Channel on You Tube for a variety of helpful setup and tech videos:

www.youtube.com/user/OrbeaBicycles

INSTAGRAM

www.instagram.com/orbeabicycles

ORBEA CONTENT

View and download photos, videos and documents.

content.orbea.com/us-en/

BLOG ORBEA

www.orbea.com/es-es/blog/

YOUR ORBEA DEALER

Our dealers are experts and should be able to assist you with setting up and maintaining your Orbea bicycle. A complete listing of Orbea dealers and distributors can be located on our website:

www.orbea.com/us-en/dealers/?country=INT

CONTACT

Access Orbea's contact details and form at:

www.orbea.com/es-es/contacto

USA:

www.orbea.com/us-en/contact/