



MANUALS & DOCUMENTS

CHRONO CARBON DC 2024 / EN



GENERAL AND SAFETY INSTRUCTIONS

This technical guide may use the following 3 icons. Each icon denotes that the following precautions should be taken:

WARNING:

Improper use or failure to follow directions may result in serious injury or death. These tasks are technically difficult and, if not performed properly, could cause damage to your bicycle or void your warranty.

CAUTION:

Improper use or failure to follow directions may result in minor injuries. These tasks are technically difficult and, if not performed properly, could cause damage to your bicycle or void your warranty.

INFORMATION

Essential information to correctly perform this task in order to avoid any damage to the bicycle or void the warranty, without any risk to people.

FURTHER CONSIDERATIONS

- Using non-original spare parts can lead to damage, malfunctions and accidents with potentially serious consequences.
- Some of the steps described in this manual require skills beyond those of the average bicycle user. If you are unable to follow any of these steps, please arrange for your bicycle to be serviced and replaced at an authorized Mondraker service centre. Installing spare parts incorrectly may result in malfunctions, accidents, injuries and void the warranty.

CLEANING AND MAINTENANCE

- Once the parts have been disassembled, components to be reused should be cleaned, greased and thread sealed (if necessary).

SYMBOL LEGEND



Medium grade threadlocker. Loctite 243 or similar.



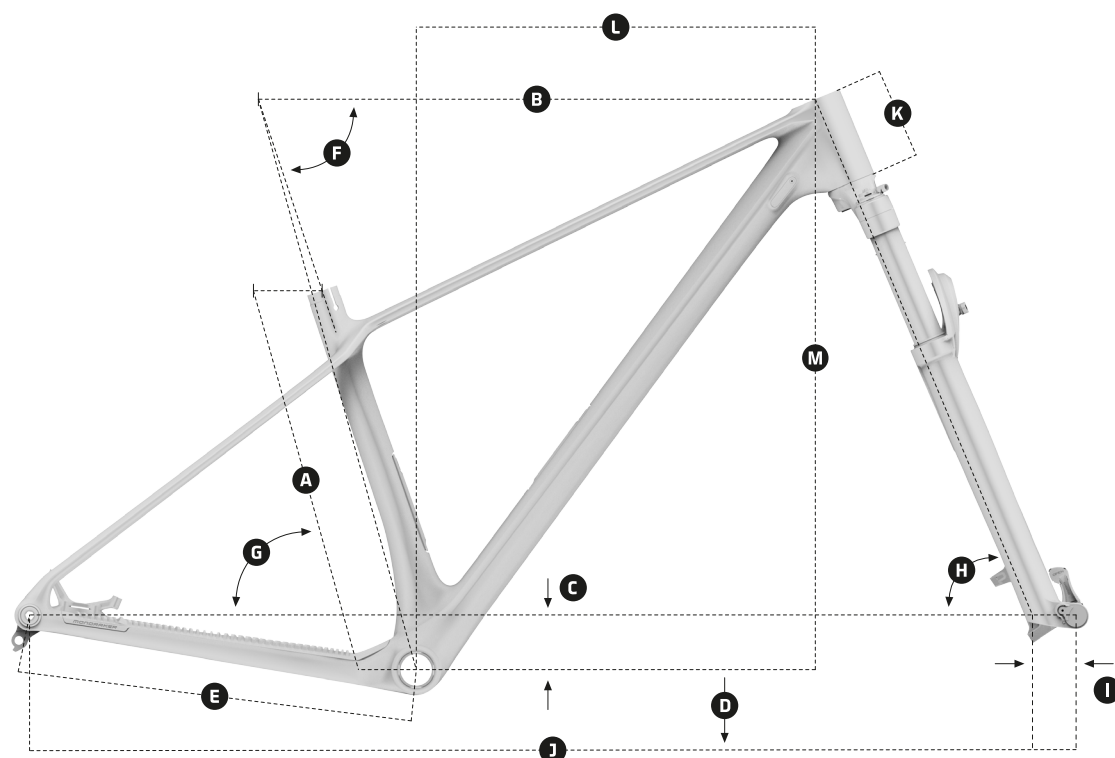
Quality synthetic assembly grease.



Special carbon friction grease.



1. DIMENSIONS



SIZE	S	M	L	XL
A Seat tube length	395mm	430mm	470mm	520mm
B Upper tube length	597mm	614mm	640mm	655mm
C Bottom bracket sag	-60mm	-60mm	-60mm	-60mm
D Bottom bracket height	305mm	305mm	305mm	305mm
E Casing length	430mm	430mm	430mm	430mm
F True seat tube angle	71.5°	71.5°	71.5°	71.5°
G Effective seat tube angle	74.5°	74.5°	74.5°	74.5°
H Steering angle	67.5°	67.5°	67.5°	67.5°
I Fork Offset	44mm	44mm	44mm	44mm
J Wheelbase	1130mm	1149mm	1173mm	1192mm
K Pipe length	90mm	100mm	110mm	120mm
L Reach	425mm	440mm	460mm	475mm
M Stack	620mm	629mm	638mm	647mm
N Power length	50mm	50mm	60mm	70mm



2. FRAME TECHNICAL SPECIFICATIONS

FRAME SIZES	S / M / L / XL
FRONT WHEEL SIZE	29"
FRONT AXLE	110mm x 15mm
REAR WHEEL SIZE	29"
REAR AXLE	148mm x 12mm (BOOST)
REAR SHAFT	L180mm M12 PITCH 1.0, HEAD DIAMETER 19mm
NUMBER OF BOTTLE CAGES	FOR M, L & XL SIZE BIKE FRAME: 2 BOTTLES (700ml + 700ml) FOR S SIZE BIKE FRAME: 2 BOTTLES (700ml + 350ml)
PEDAL AXLE	BSA 73
FRONT STROKE	120mm
SEATPOST DIAMETER	31.6mm (37mm seatpost clamp)
CHAIN LINE	55mm
STEERING	UPPER: IS52 1-1/2", LOWER ZS56 BLOCKLOCK 1.5"
MAXIMUM PLATE SIZE	38T
REAR BRAKE	FLAT MOUNT, DIRECT 160mm
MAXIMUM COMPATIBLE WHEEL SIZE	61mm, 29 x 2.4"

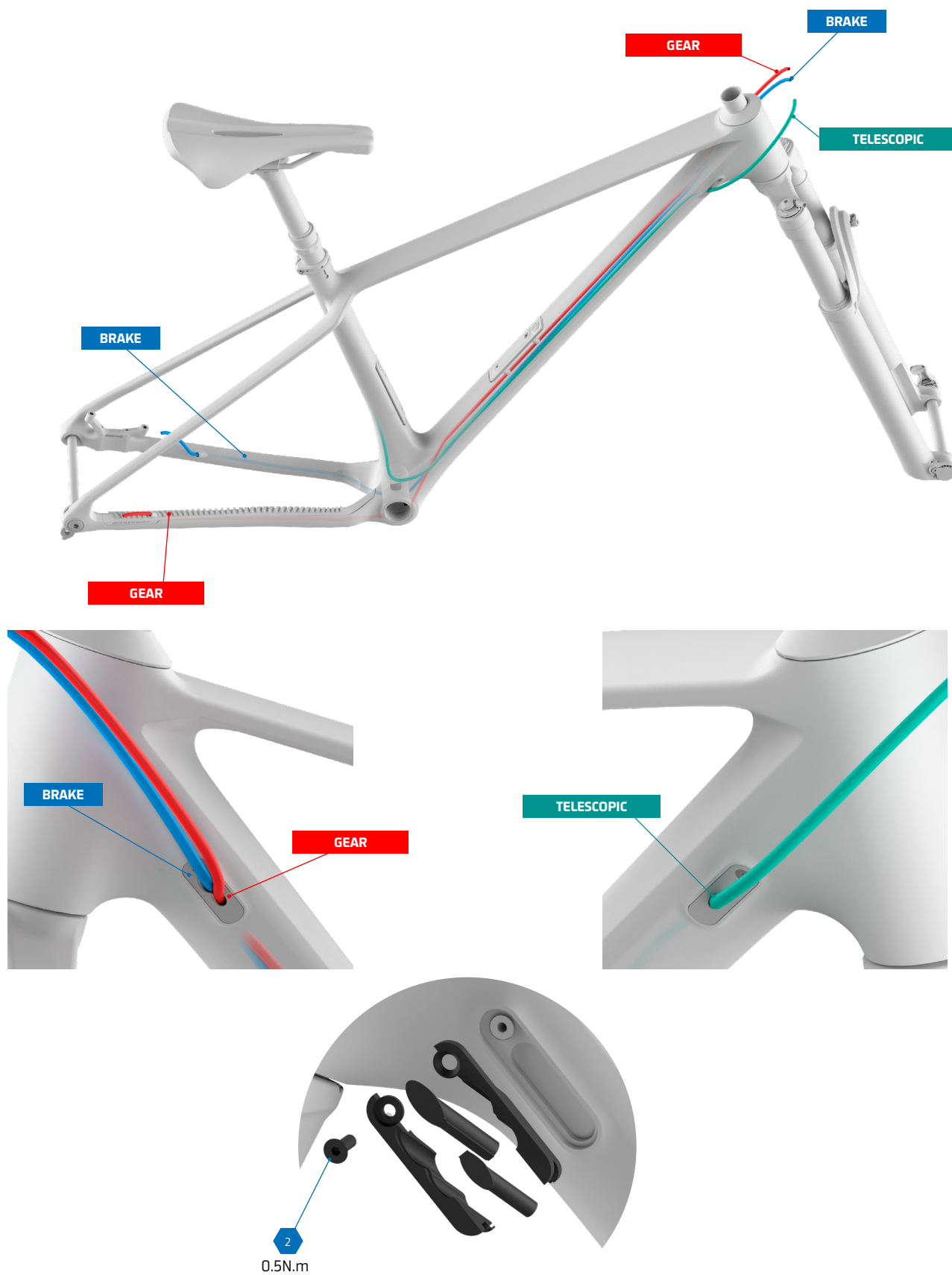
3. SEATPOST INSERTION DEPTH



FRAME SIZE	MIN. (mm)	MAX. (mm)
XL	100	270
L	100	220
M	100	185
S	100	145



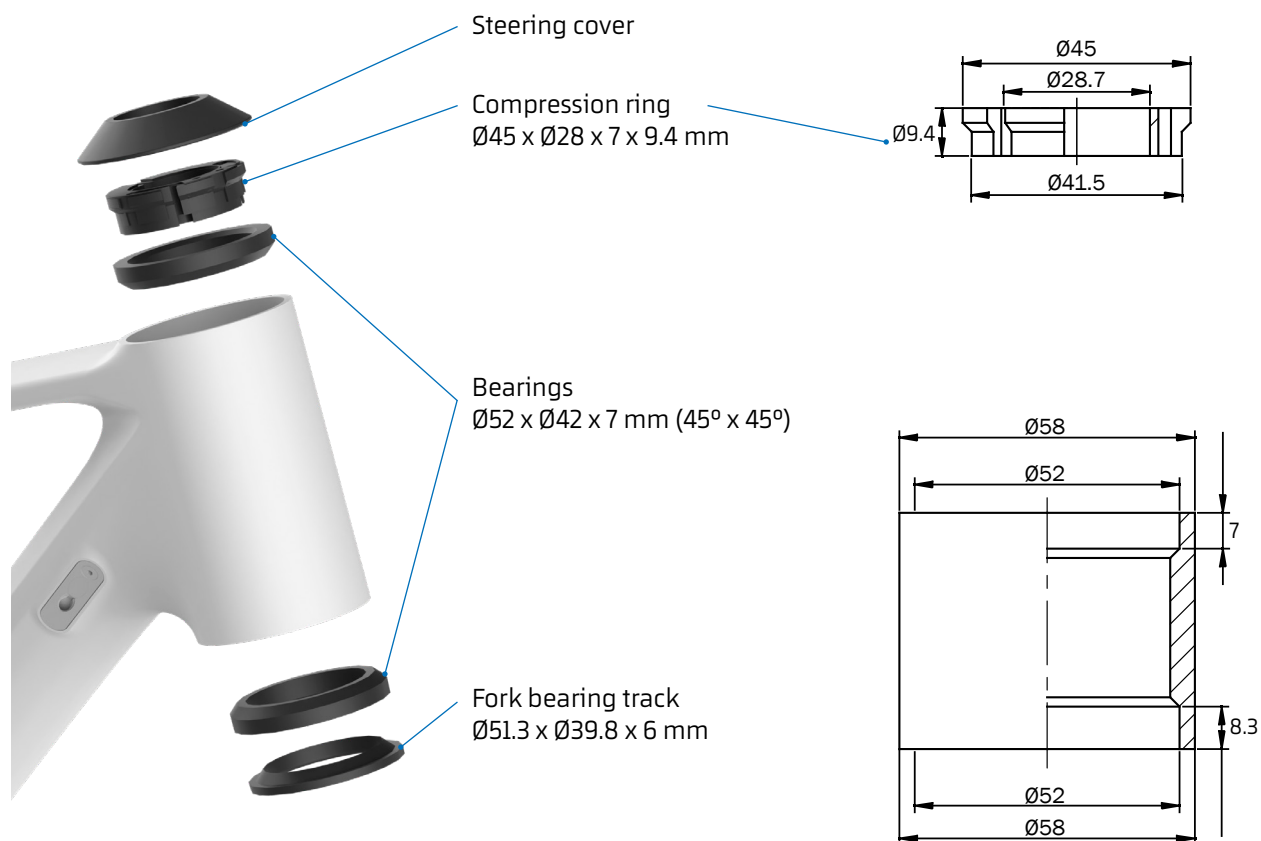
4. CABLE GUIDE





5. STEERING

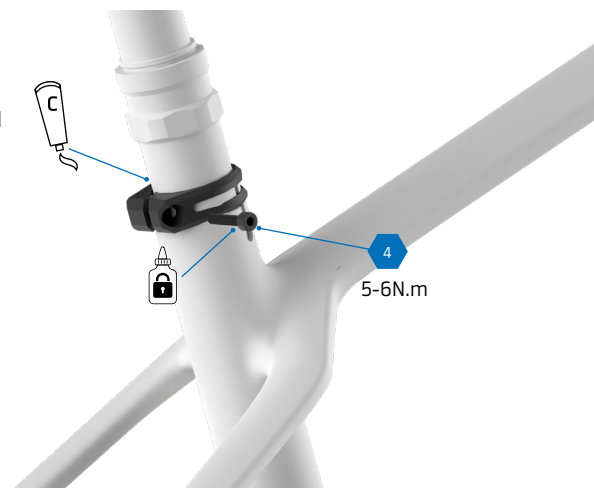
ONOFF IS52 internal steering for 1-1/2" steering tube, ACB
sealed bearings, $\varnothing 52 \times \varnothing 42 \times 7 \text{ mm}$ ($45^\circ \times 45^\circ$)



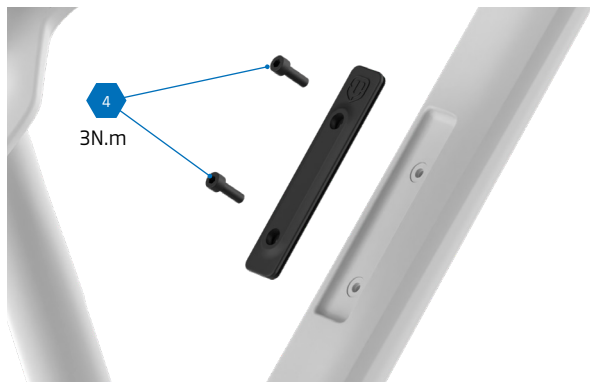


6. SADDLE LOCK

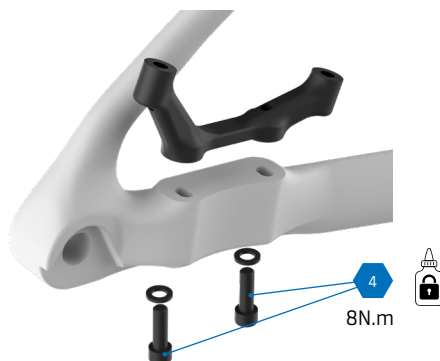
Use special carbon mounting grease between the frame and the seatpost.



7. FIDLOCK BOTTLE CAGE

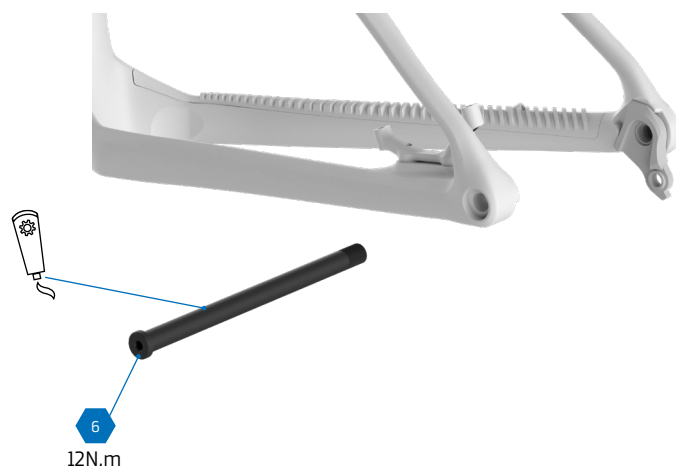


8. BRAKE ANCHOR

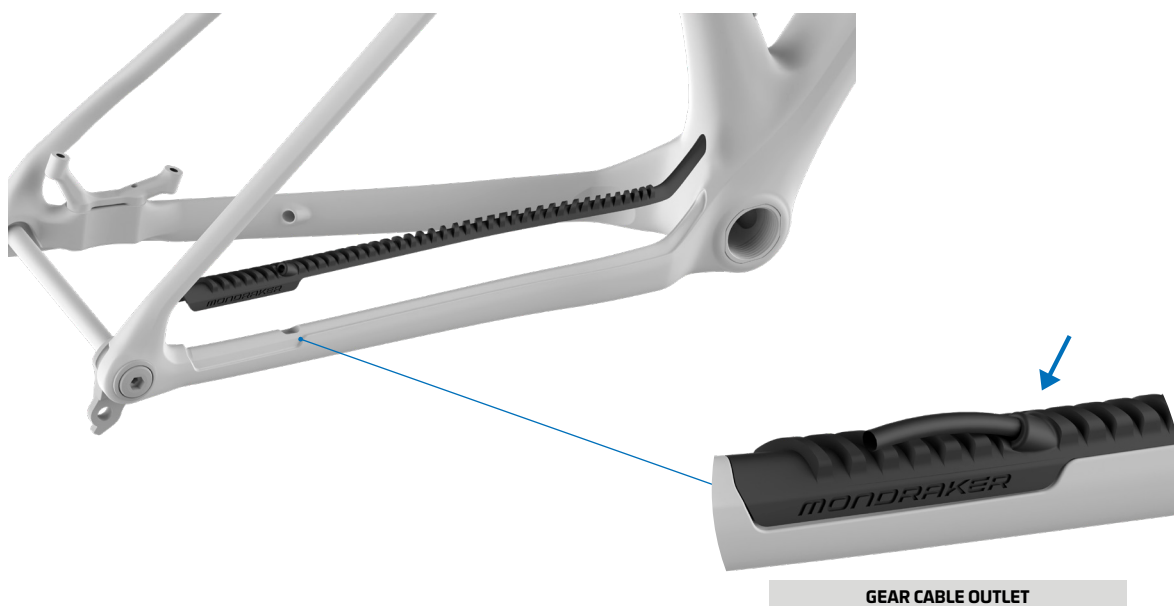




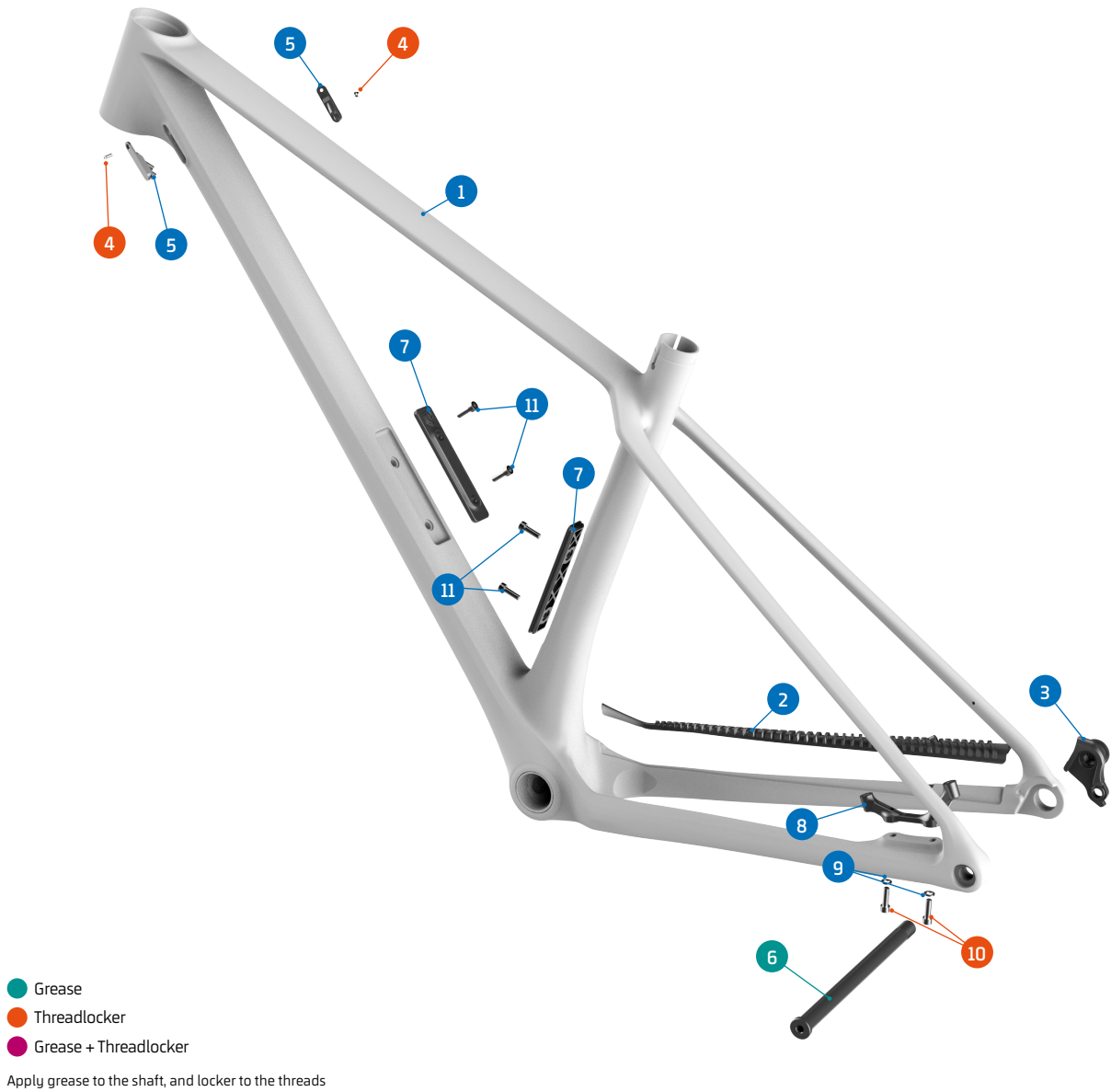
9. REAR WHEEL AXLE



10. CASING GUARD



12. SPARE PARTS



ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
1	FRAME	1		
2	RUBBER CS COVER	1	099.24038	
3	HANGER SRAM UDH	1		
4	SCREW BOLT M3x8L-M-S	2	SET 1	0.5Nm
5	CABLE GUIDE	2	SET 1	
6	REAR AXLE	1	112.90027	12Nm
7	FIDLOCK COVER	2	099.22040	
8	DISC ADAPTOR	1	SET 2	
9	STAINLESS STEEL WASH M5	2	SET 2	
10	SCREW BOLT M5x35L-P11F	2	SET 2	8Nm
11	SCREW BOLT M5x16L-P-S	4		

SET 1

CABLE GUIDE KIT 3



SET 2

DISC ADAPTOR KIT 2



PART NUMBER	DESCRIPTION	COMPONENTS
099.19010	SET 1: CABLE GUIDE KIT 3	CABLE GUIDE (x1) / SCREW BOLT (x1)
099.19005	SET 2: DISC ADAPTOR KIT 2	DISC ADAPTOR KIT 2 (x1) / SCREW BOLT (x2) / WASHER (x2)



13. FREQUENTLY ASKED QUESTIONS

WHAT IS THE MAXIMUM RECOMMENDED TYRE SIZE FOR CHRONO CARBON?

29 x 2.40" tyres are fitted as standard and this is the largest size recommended for this model, or 61mm wide.

WHAT ARE THE KEY DIFFERENCES BETWEEN THE NEW CHRONO CARBON AND THE PREVIOUS MODEL? The new model has been redesigned and features updated geometry with 120mm front suspension stroke. In addition, bottle cages fitted with a Fidlock system built into the seat tube and main tube are compatible with normal bottle cages via the standard Mondraker adaptor. The cable guide is external, although cables can also be fed through the inside of the steering tube. The chain line is 55mm and the derailleur hanger is UDH.

WHAT IS THE LONGEST SEATPOST INSERT SIZE I CAN USE ON THE CHRONO CARBON? Maximum insertion of the telescopic seatpost on the Chrono Carbon models is 145mm for size S, 185mm for size M, 220mm for size L and 270mm for size XL.



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