



MANUALS & DOCUMENTS

SUMMUM

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MANUALS & DOCUMENTS





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.



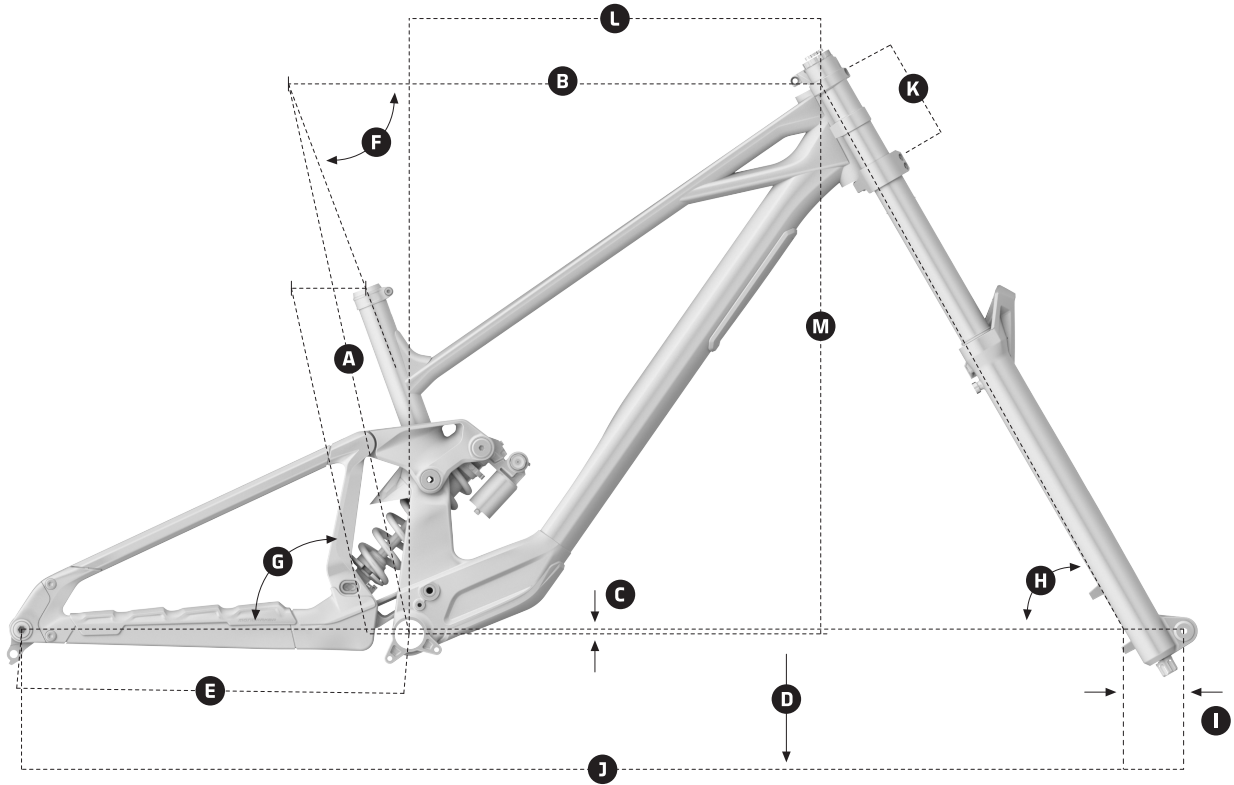
Quality synthetic assembly grease.



Special carbon friction grease.



1. DIMENSIONS



SUMMUM

FRAME SIZE	M [STD]	L [STD]	XL [STD]
A Seat Tube Length	400 mm	400 mm	400 mm
B Top Tube Length	710 mm	740 mm	770 mm
C Bottom Bracket Drop	-5 mm	-5 mm	-5 mm
D Bottom Bracket Height	350 mm	350 mm	350 mm
E Chainstay Length	455 mm	455 mm	455 mm
F Seat Tube Angle, Actual	78°	78°	78°
G Seat Tube Angle, Effective	70°	70°	70°
H Headtube Angle	62,5°	62,5°	62,5°
I Fork Offset	52 mm	52 mm	52 mm
J Wheelbase	1285,4 mm	1315,4 mm	1345,4 mm
K Headtube Length	120 mm	120 mm	120 mm
L Reach	450 mm	480 mm	510 mm
M Stack	642,6 mm	642,6 mm	642,6 mm

HEADSET CUP REACH ADJUST +/-5mm **CHAINSTAY LENGTH ADJUST** +/-5mm **SHOCK FLIP CHIP ADJUST** +/-5mm BB height, 0,35° angles



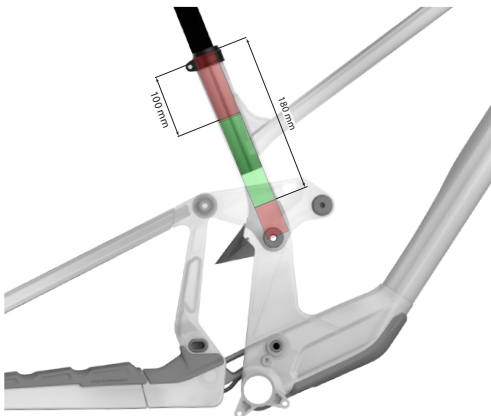
Visit <https://mondraaker.com/wo/en/frameset-summum-rr-mullet> to configure your custom geometry and get precise data based on the flip chip, dropout, and headset cup positions.



2. FRAME TECHNICAL SPECIFICATIONS

FRAME SIZES	M / L / XL
FRONT WHEEL SIZE	29"
FRONT AXLE	110mm x 20mm (BOOST)
REAR WHEEL SIZE	27,5"
REAR AXLE	157mm x 12mm (DH)
REAR SHAFT	12X157 P1.0 L183 (head 19mm OD)
NUMBER OF BOTTLE CAGES	1
BOTTOM BRACKET	BSA 83mm
REAR WHEEL TRAVEL	200mm
REAR SHOCK	225 x 75mm TRUNNION, 30 x 8mm
FRONT WHEEL TRAVEL	200mm
SEATPOST/SEAT CLAMP DIAMETER	31.6mm / 34.9mm
CHAIN LINE	57mm
HEADSET	Onoff DH ARS (Adjustable Reach System) 1-1/8", 1-1/8"
MAXIMUM CHAINRING SIZE	36T
REAR BRAKE	POST MOUNT CUSTOM ADAPTER, DIRECT 200 (220mm max with spacer)
MAXIMUM COMPATIBLE WHEEL SIZE	27'5x2.6

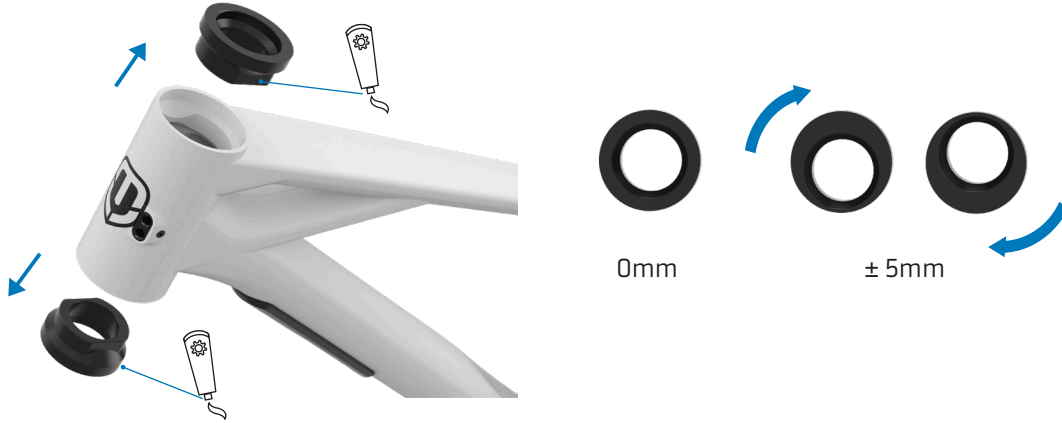
3. SEATPOST INSERTION DEPTH



FRAME SIZE	MIN. (mm)	MAX. (mm)
XL	100	175
L	100	175
M	100	175



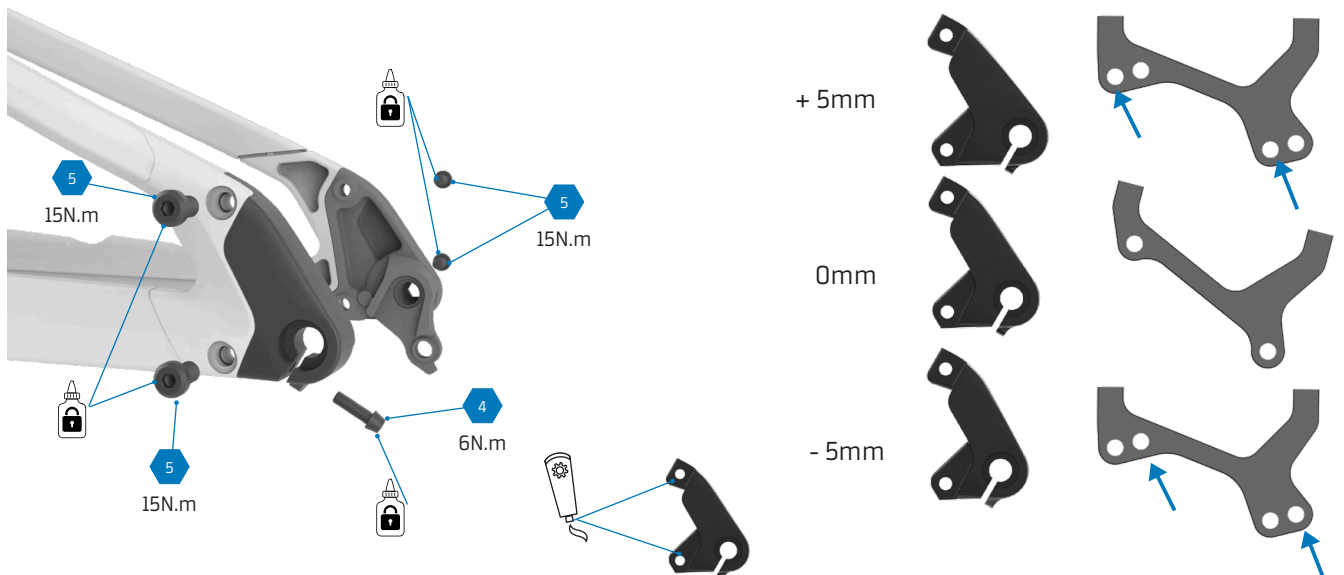
4. HEADSET CUPS



! The upper and lower headset cups must always be installed with the same orientation of their eccentricity. Using these cups allows you to modify the reach length.

To adjust the head angle, the frame's flip chip system must be used. Remember to apply a light layer of assembly grease to the contact surfaces prior to installation.

5. DROPOUTS

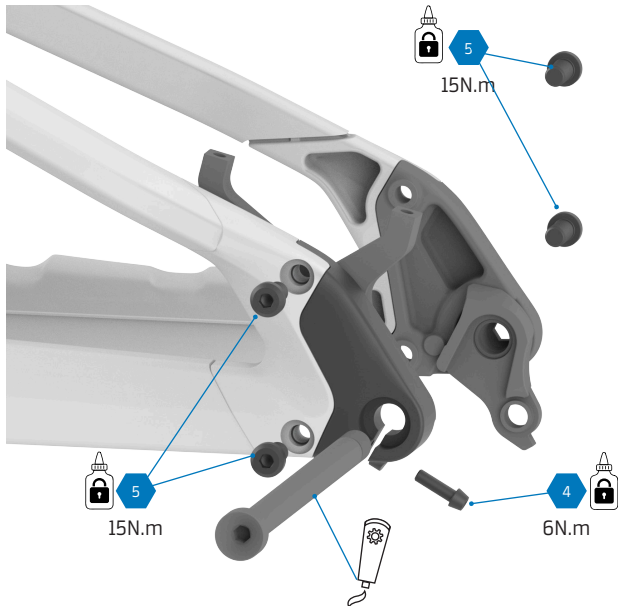


! The bicycle comes standard with stock 0mm dropouts. If you install larger or smaller dropouts, **it is mandatory to also replace the brake caliper adapter**. The standard mount is only compatible with the stock dropouts.

i Visit <https://mondraaker.com/wo/en/frameset-summum-rr-mullet> to configure your custom geometry and get precise data based on the flip chip, dropout, and headset cup positions.

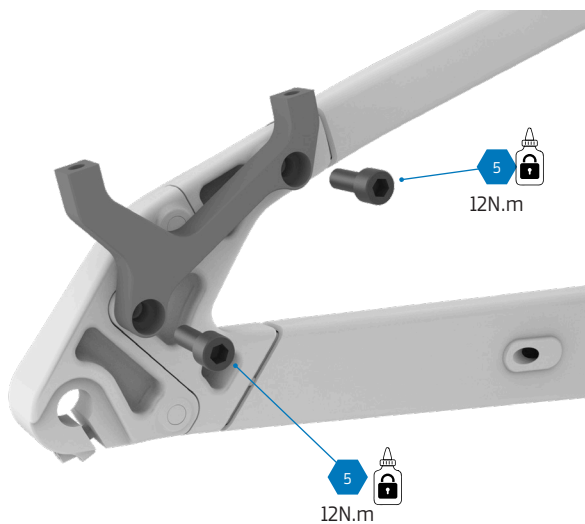


6. INSERT REAR AXLE



1. Slightly loosen the dropout bolts (approximately 3/4 turn) and loosen the pinch bolt.
2. Insert the axle and tighten to the specified torque.
3. Tighten the dropout bolts to the specified torque.
4. Tighten the pinch bolt to the specified torque.

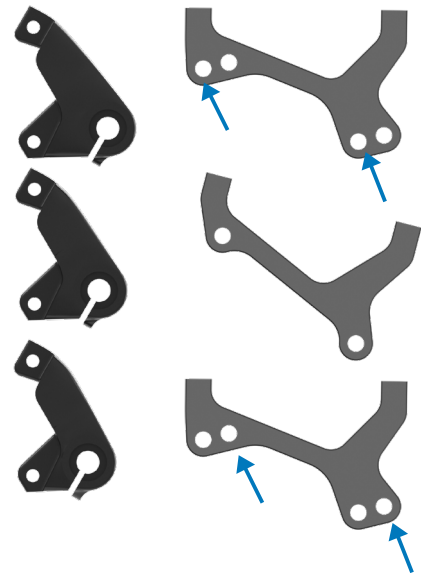
7. BRAKE MOUNT ADAPTER



+ 5mm

0mm

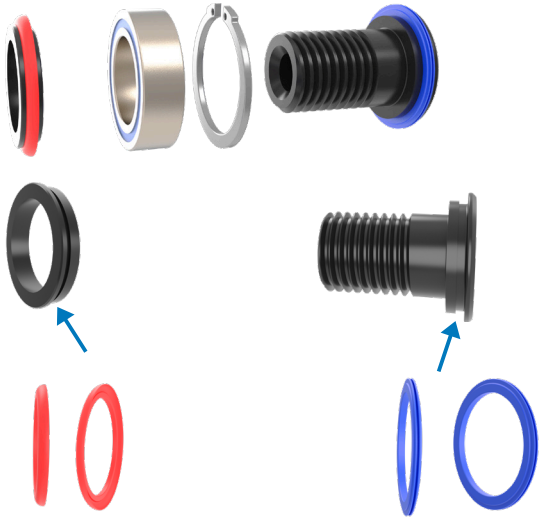
- 5mm



Visit <https://mondraaker.com/wo/en/frameset-summum-rr-mullet> to configure your custom geometry and get precise data based on the flip chip, dropout, and headset cup positions.

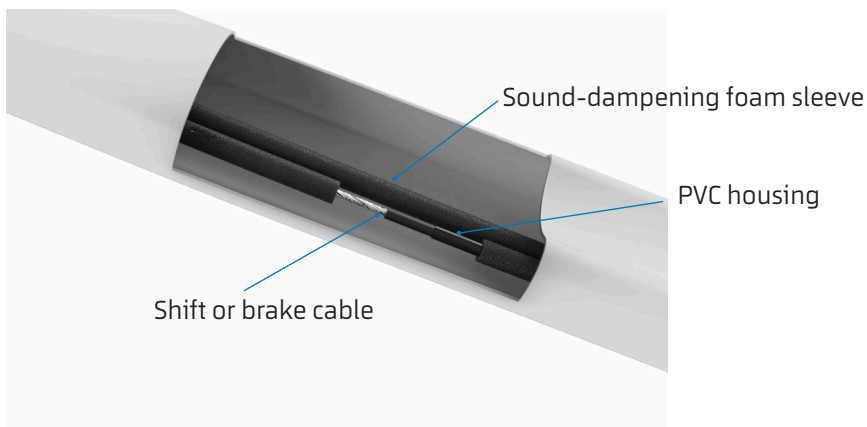
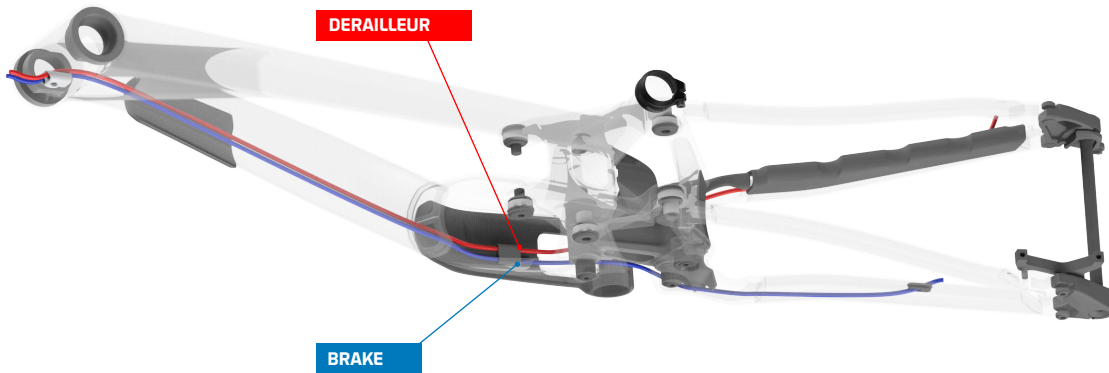


8. RUBBER SEALS



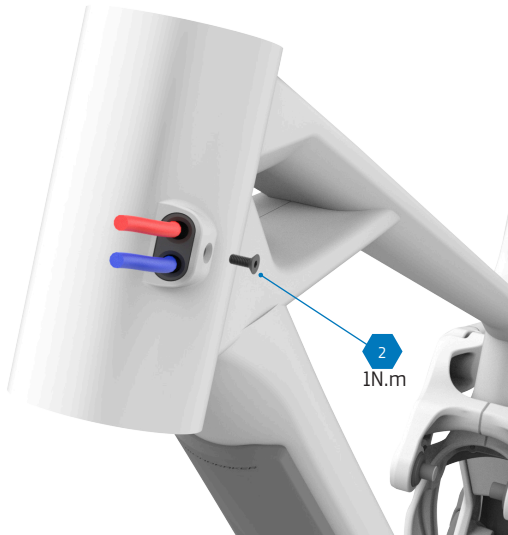
Pay attention to the position and shape of the rubber seals. Colours red and blue are used for illustration purposes, but the actual rubber seals are black.

9. INTERNAL CABLE ROUTING

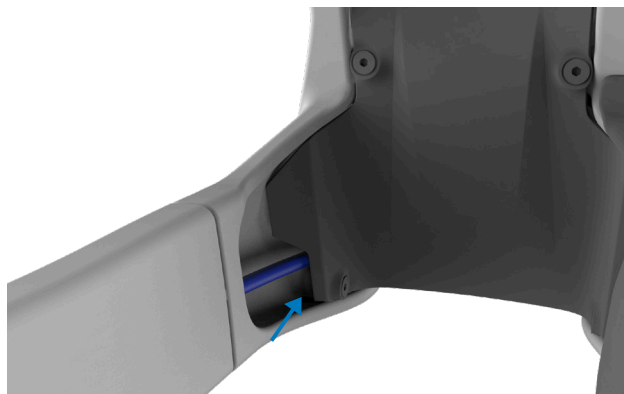
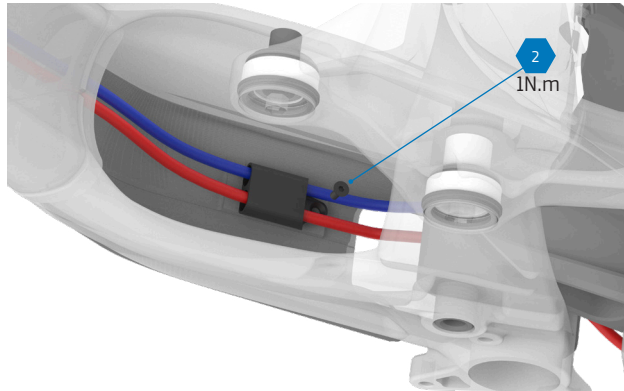




9. INTERNAL CABLE ROUTING



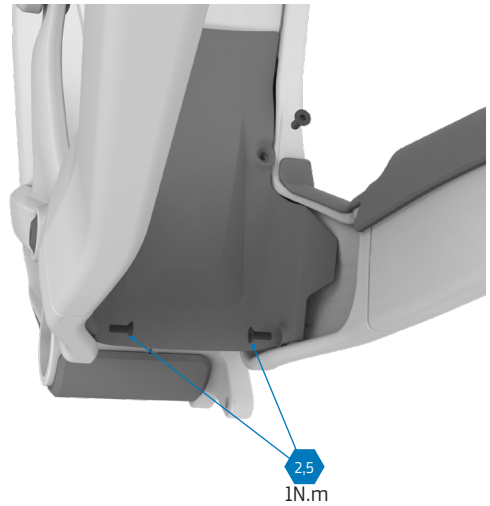
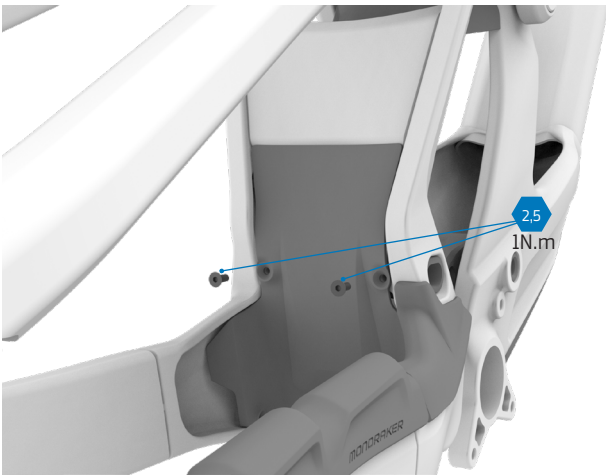
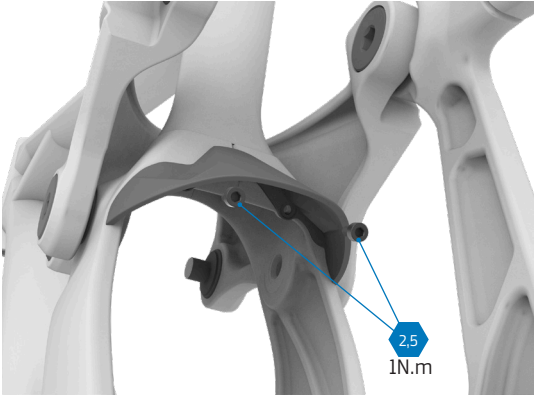
The cable port is secured to the frame with the screw.



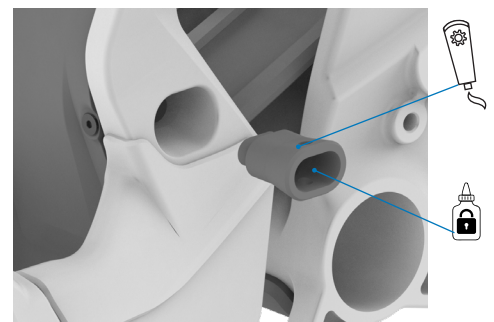
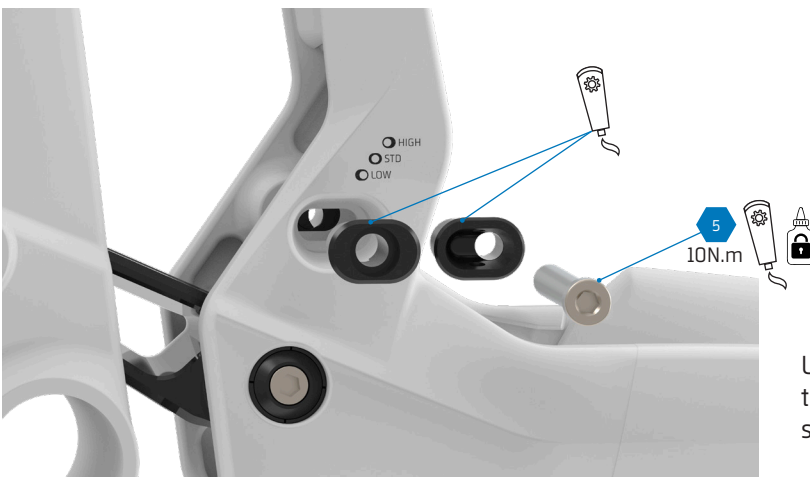
Use the opening to route the cable through the chainstay.



10. FENDERS



11. SHOCK MOUNT FLIP CHIP



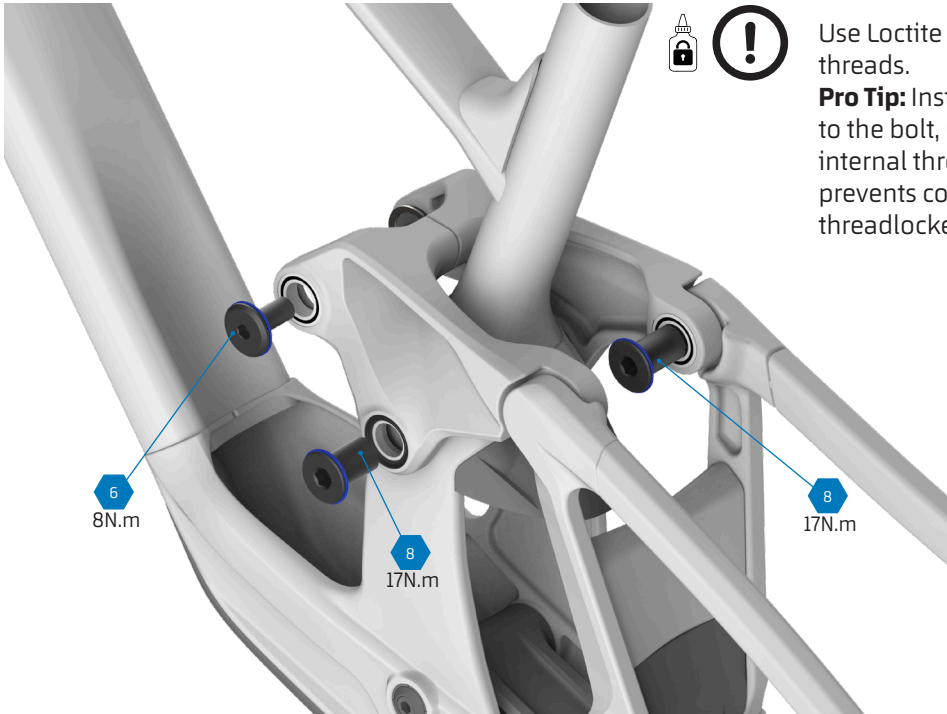
Use Loctite 243 (or similar threadlocker) on the threads, and assembly grease on the outer surfaces of the flip chip.



Visit <https://mondraaker.com/wo/en/frameset-summum-rr-mullet> to configure your custom geometry and get precise data based on the flip chip, dropout, and headset cup positions.

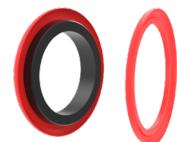
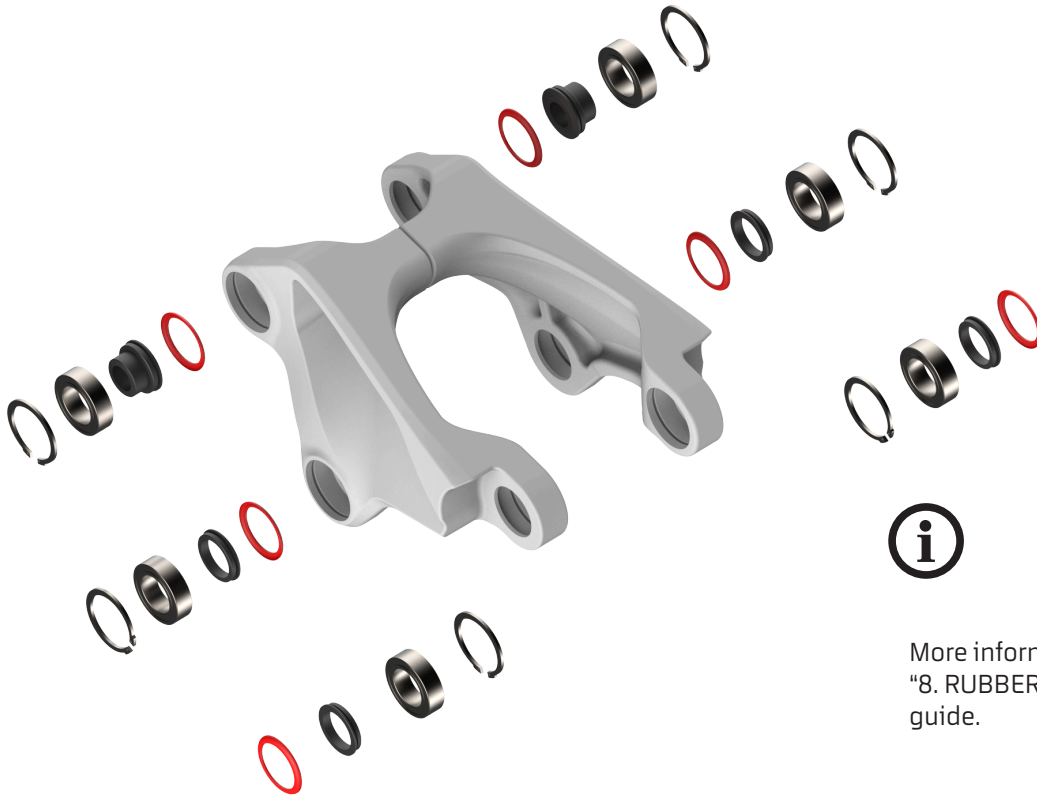
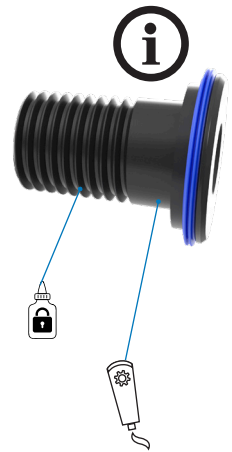


11. UPPER LINK



Use Loctite 243 (or similar threadlocker) on the threads.

Pro Tip: Instead of applying the threadlocker to the bolt, you can apply it directly to the internal thread of the bicycle frame. This prevents contaminating other components with threadlocker when inserting the bolt.



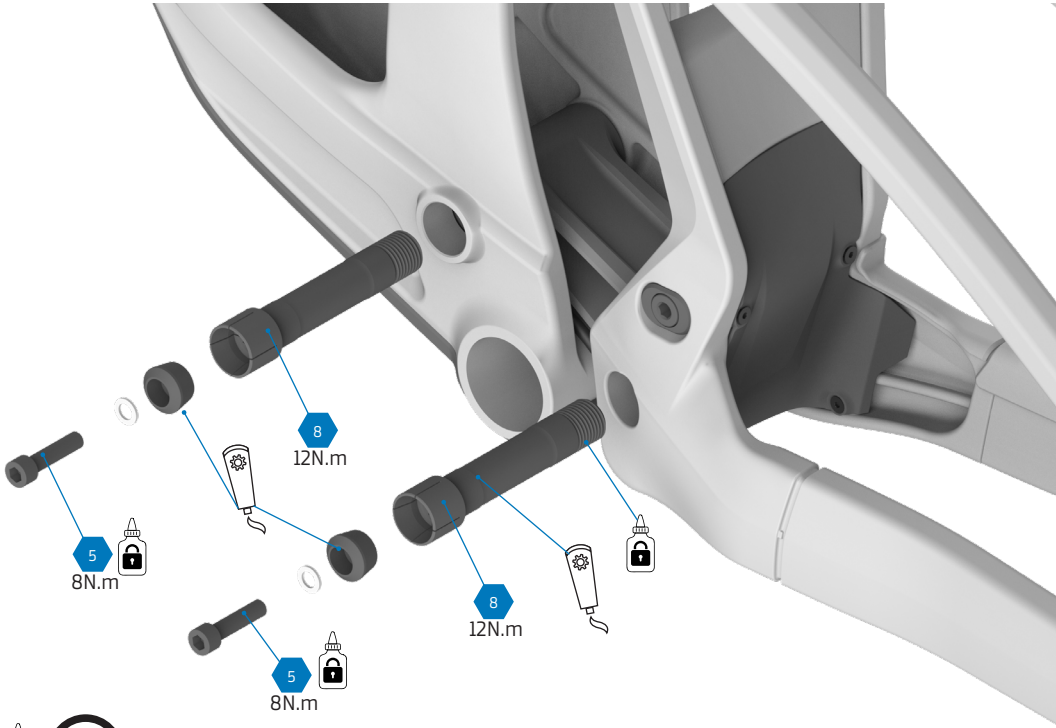
More information: See section "8. RUBBER SEALS" in this guide.





Use assembly grease to assemble the components.





12. LOWER LINK



  Use Loctite 243 (or similar threadlocker) on the threads.



  Use assembly grease to assemble the components.



13. STEM



+5 mm spacer



+5 mm spacer



M6 X 50 (x2)



M6 X 40 (x2)



M6 X 30 (x2)



M6 X 20 (x4)

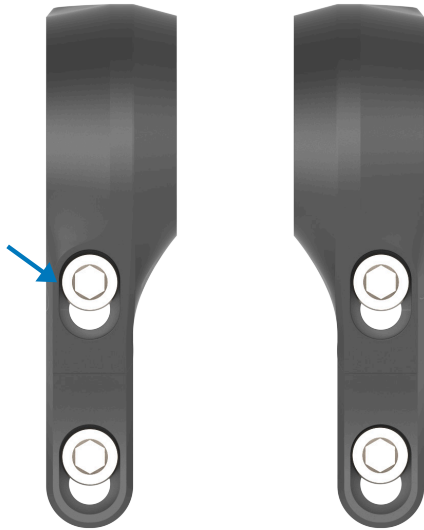


6 N.m

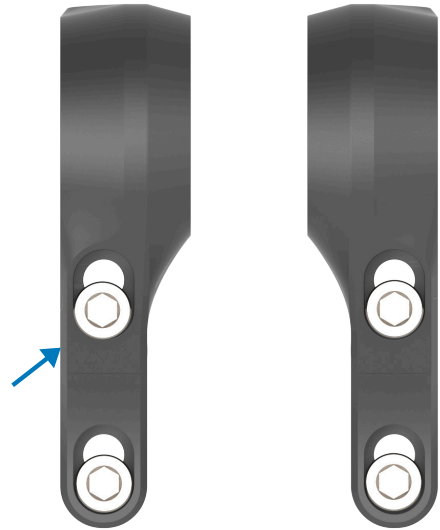
Tighten all bolts to 6 Nm.



13. STEM



45 mm stem length.



50 mm stem length.

HANDLEBAR ADJUSTMENT



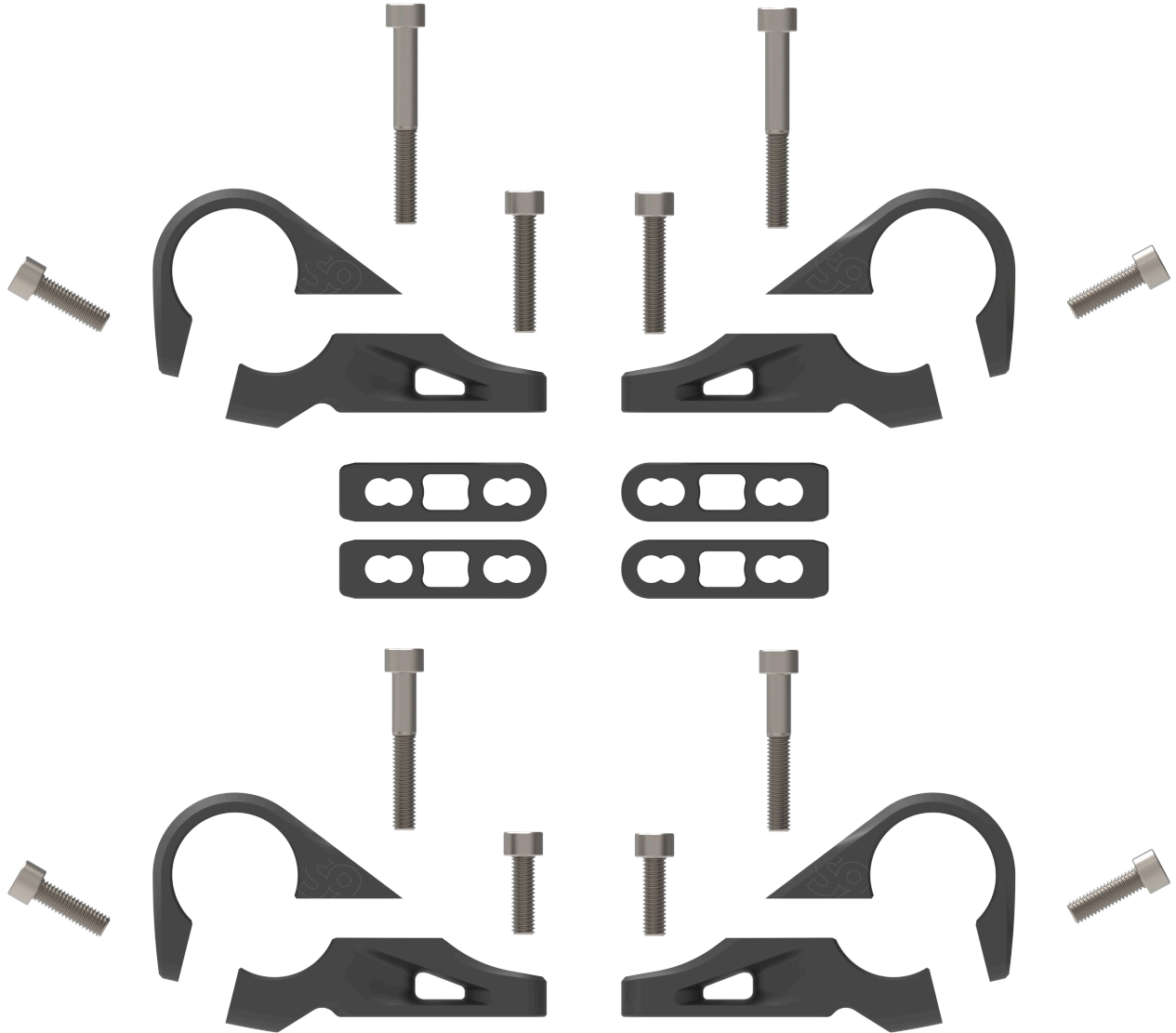
Comfort position.



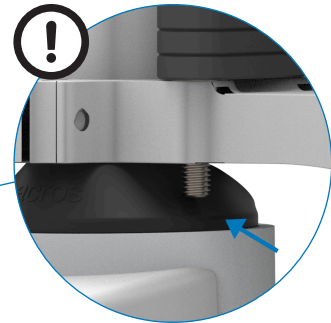
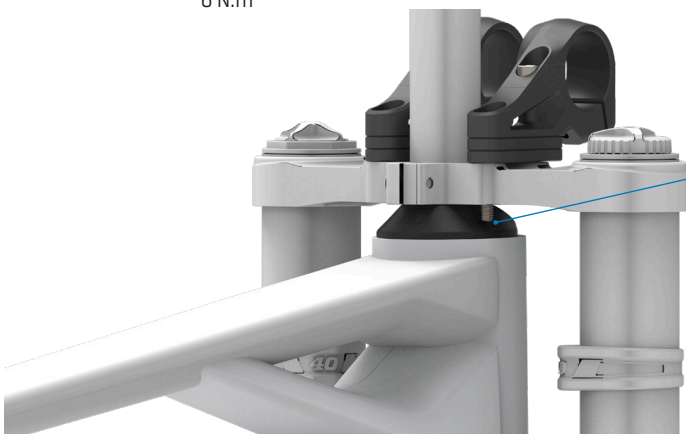
Stable position.



13. STEM



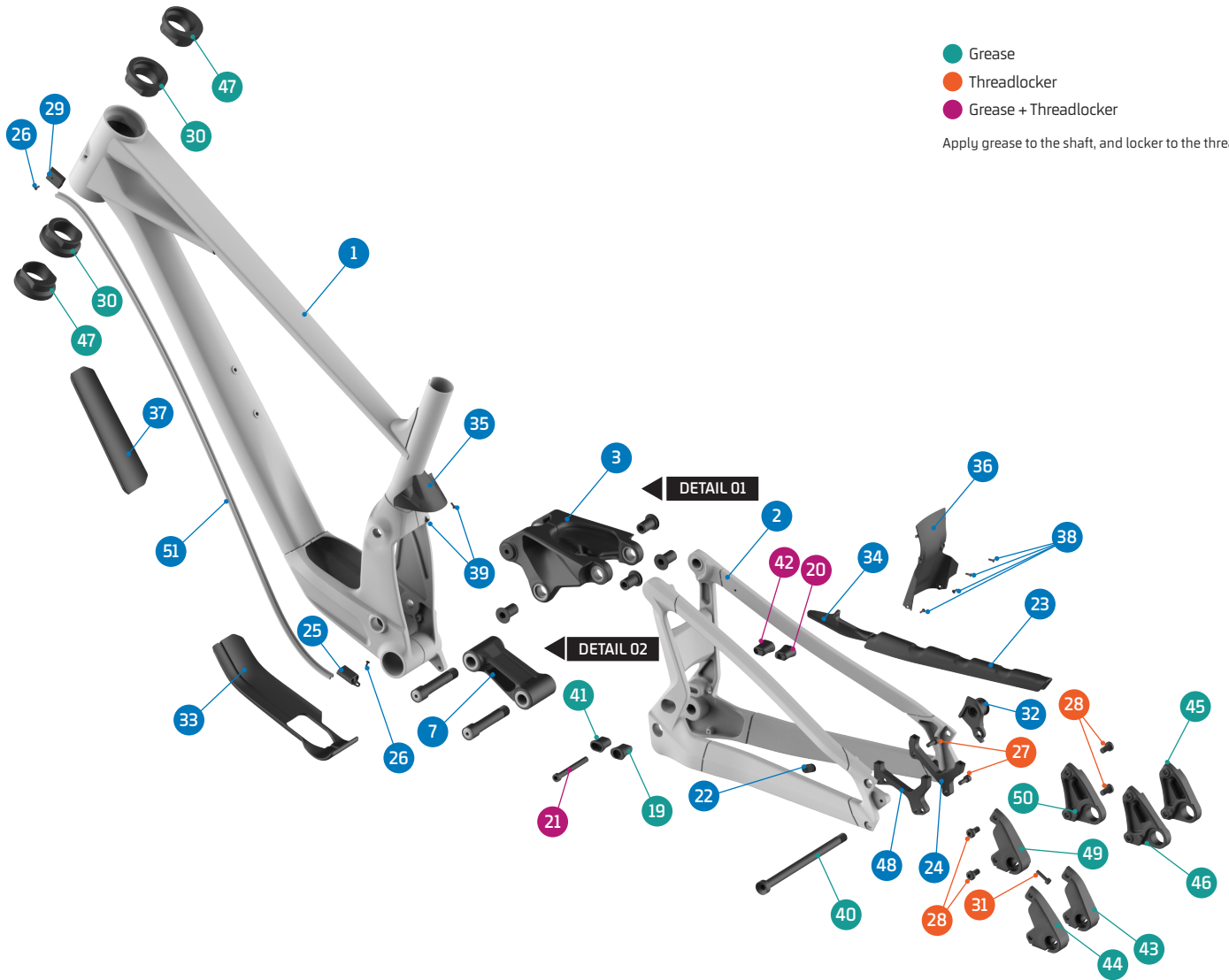
5
6 N.m



Ensure the bolts are long enough to fully engage the threads. Using a bolt that is too long may damage the headset cover.



14. SPARE PARTS



ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
1	FRAME	1		
2	REAR TRIANGLE	1		
3	UPPER LINK	1	Refer to B2B web for color options	
4	PIVOT AXLE, M15	4	SET 3	17Nm
5	SHOCK BOLT	2	SET 2	8Nm
6	BEARING, 24x15x7 3802V-2RS	10	SET 1 / 099.00113	
7	LOWER LINK	1	099.26072	
8	C-RING	6	SET 2 & 3	
9	SPACER, 10x17x6	2	SET 2	
10	PIVOT SEAL, EXTERNAL	10	SET 2,3,4 & 9	
11	PIVOT SEAL, INTERNAL	6	SET 2, 3 & 9	
12	PIVOT WASHER	4	SET 3	
13	PIVOT AXLE, 88L	2	SET 4	12Nm
14	SPACER, 38L	2	SET 4	
15	WASHER, 6x10x1t	2	SET 4	
16	TAPER NUT	2	SET 4	
17	SCREW BOLT, M6x25	2	SET 4	8Nm
18	SPACER, LOWER	4	SET 4	
19	SHOCK FLIPCHIP CENTER	1	099.26073	
20	SHOCK FLIPCHIP DRIVE SIDE CENTER	1	099.26074	
21	SHOCK BOLT, 65L	1	SET 2 / 099.25038	10Nm
22	CABLE RUBBER	1	989.13010	
23	CHAINSTAY PROTECTOR	1	099.25016	
24	DISC MOUNT	1	SET 5	
25	CABLE GUIDE	1	099.22017	
26	SCREW BOLT, M3x8	2	099.20068	1Nm

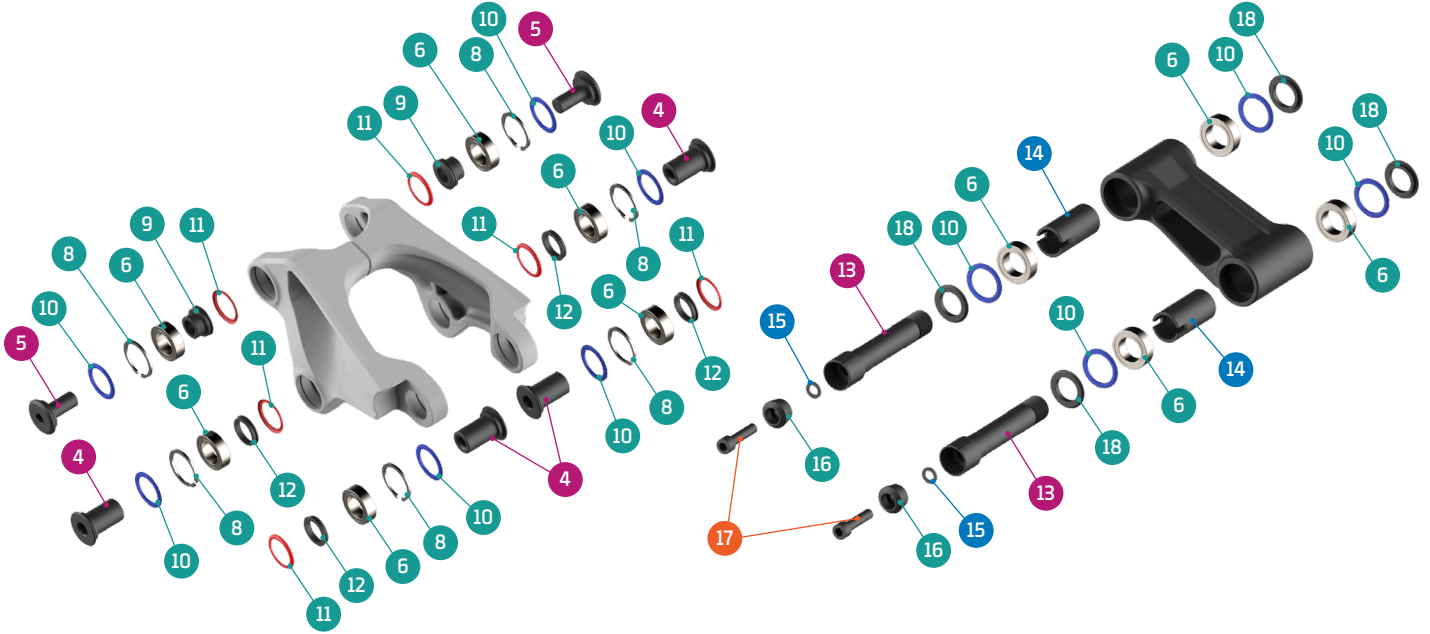
ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
27	SCREW BOLT, M6x15	2	SET 5	12Nm
28	SCREW BOLT, M8x15	4	099.26085	15Nm
29	CABLE GUIDE HEAD SET	1	099.22018	
30	HEADSET CUP CENTER	2	099.26075	
31	SCREW BOLT, M5x18	1	SET 6, 7 & 8	6Nm
32	HANGER	1	SRAM UDH	
33	BOTTOM BRACKET PROTECTOR	1	099.26076	
34	YOKE PROTECTOR	1	099.26077	
35	FT SHOCK FENDER	1	099.26078	
36	RT SHOCK FENDER	1	099.26079	
37	DOWN TUBE PROTECTOR	1	099.26080	
38	SCREW BOLT, M3x8	4	099.20068	1Nm
39	SCREW BOLT, M3x6	2	099.12116	1Nm
40	SUMMUM 26 WHEEL AXLE	1	099.26081	12Nm
41	SHOCK FLIPCHIP HIGH/LOW	1	099.26082	
42	SHOCK FLIPCHIP DRIVE SIDE HIGH/LOW	1	099.26083	
43	DROPOUT -5	1	SET 7	
44	DROPOUT +5	1	SET 8	
45	DROPOUT -5 DRIVE SIDE	1	SET 7	
46	DROPOUT +5 DRIVE SIDE	1	SET 8	
47	HEADSET CUP +/- 5	2	099.26084	
48	DISC MOUNT +/-5	1	099.26086	
49	DROPOUT STANDARD	1	SET 6	
50	DROPOUT STANDARD DRIVE SIDE	1	SET 6	
51	INTERNAL CABLE GUIDE	1	099.21010P	



14. SPARE PARTS

DETAIL 01

DETAIL 02



SET 6

NEUTRAL DROPOUTS KIT



SET 7

MINUS 5 DROPOUTS KIT



SET 8

PLUS 5 DROPOUTS KIT



SET 9

SEALS KIT



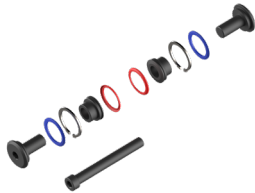
SET 1

ZERO BEARING KIT 25



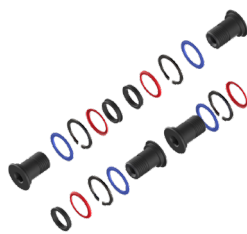
SET 2

SHOCK HARDWARE KIT 24



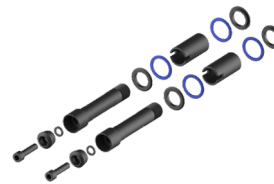
SET 3

UPPER LINK KIT 34



SET 4

LOWER LINK KIT 39



SET 5

DISC ADAPTOR KIT



PART NUMBER	DESCRIPTION	COMPONENTS
099.22100	SET 1: ZERO BEARING KIT 25	BEARING 3802-2RS, 24x15x7 (x10)
099.26202	SET 2: SHOCK HARDWARE KIT 24	PIVOT SEAL INTERNAL (x2) / PIVOT SEAL EXTERNAL (x2) / C-RING (x2) / SPACER, 10x17x6 (x2) / SHOCK BOLT (x2) / SHOCK BOLT, 65 (x1)
099.26300	SET 3: UPPER LINK KIT 34	PIVOT WASHER (x4) / PIVOT SEAL INTERNAL (x4) / PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE, M15 (x4) / C-RING (x4)
099.26401	SET 4: LOWER LINK KIT 39	PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE 88L, (x2) / SCPACER, 38 (x2) / WASHER (x2) / TAPER NUT (x2) / SCREW BOLT, M6X25 (x2) / SCPACER LOWER (x4)
099.25018	SET 5: DISC ADAPTOR KIT	DISC ADAPTOR (x1) / SCREW BOLT (x2)
099.26087	SET 6: NEUTRAL DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT STANDARD (x1) / DROPOUT STANDARD DRIVE SIDE (x1)
099.26088	SET 7: MINUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT -5 (x1) / DROPOUT -5 DRIVE SIDE (x1)
099.26089	SET 8: PLUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT +5 (x1) / DROPOUT +5 DRIVE SIDE (x1)
099.26062	SET 9: SEALS KIT	PIVOT SEAL INTERNAL (x8) / PIVOT SEAL EXTERNAL (x10)



15. KINEMATICS

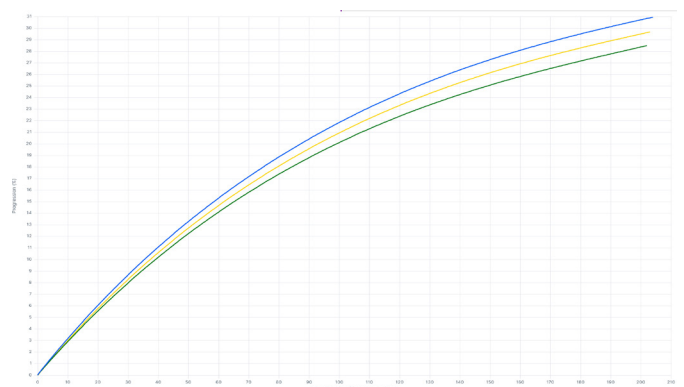
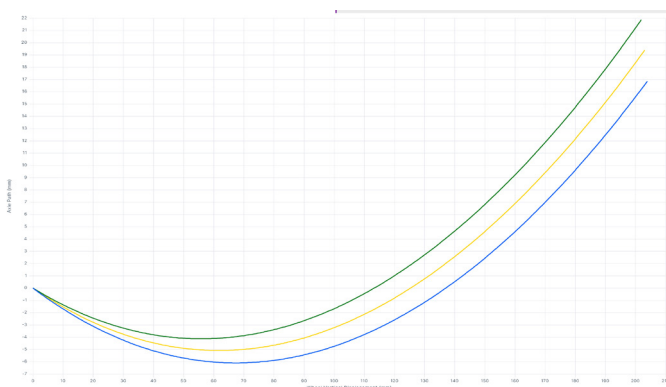
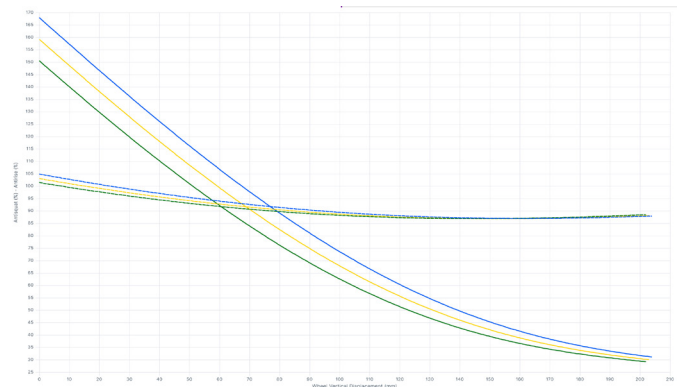
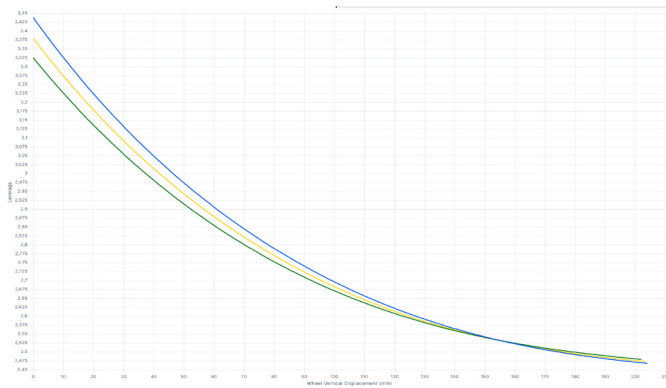
Kinematics of the new Summum, as well as geometry, are based in big part on the development done by MFR in the Summum prototype during the season, always keeping in mind that the range of users will be much bigger. We have selected from the range of adjustments of the Summum prototype what we think will suit more rider profiles.

From the original Summum prototype, we have made some changes to have lower leverage ratio in the first 50% of stroke looking for good support, and from that point we increased the ratio to reduce progression and use all the stroke.

We have designed a flip chip in the shock lower mount that changes mainly geometry but also the starting point of the leverage ratio and progression by 1.5%. It's a small modification but can be interesting to adapt the bike to different likings, terrains or shocks.

Here you will find the usual information and then the "std" setting compared with the different flip chip settings. Yellow = "std", green = -3.5 (low position) and blue = +3.5 (high position).

Recommended springs for the rear shock: M 450 lb/in, L 500 lb/in and XL 550 lb/in





16. FAQs

CAN I CHANGE THE WHEELS SIZE ON MY SUMMUM?

Summum is designed with a mullet 29" front 27.5" rear wheel set up, so we do not recommend any other combination due to the geometric and kinematic implications this would have.

CAN I FIT BOOST 148X12 WHEELS ON SUMMUM?

No, Summum is only compatible with rear hubs measuring 12 x 157 mm.

WHAT IS THE MAXIMUM SIZE OF BRAKE DISCS THAT CAN BE FITTED TO THE SUMMUM?

In this model you can fit up to 220mm rotors front and rear.

WHAT IS THE MAXIMUM TYRE SIZE THAT CAN BE FITTED ON THE SUMMUM?

The Summum is compatible with front tyres up to 2.6': 29 x 2.6' and rear tyres up to 27.5 x 2.6" (66 mm wide).

WHICH MODELS INCLUDE THE GEOMETRY KIT?

Geometry kit is included on all Summum MY26 models onwards and also included on the individual frame-kit.

WHAT IS INCLUDED IN THE GEOMETRY KIT THAT COMES WITH THE SUMMUM?

The kit included with the bicycle and the frameset consists of the following parts:

- Two sets of headset cups for REACH adjust: +5 mm / 0 / - 5 mm
- Eccentric flip-chip to adjust the shock positions
- Two extra dropouts to modify the chain stay length: +5 mm / - 5 mm

With this kit you can easily customise the set up to your preferences or adapt it to the terrain at any time.

THERE ARE NOW THREE ADJUSTMENT POSITIONS ON THE FLIP-CHIP. HOW DOES IT WORK?

To change the position on the flip-chip, simply swap it for the other eccentric flip-chip included in the geometry kit, using the lower shock bolt. With these parts and their offset options you can switch to the HIGH or LOW geometry positions. The central bottom shock mount flip chip position comes fitted as standard.



16. FAQs

WHAT ARE THE GEO CHANGES ALTERING THE THREE FLIP-CHIP ADJUSTMENT POSITIONS?

The shock flip-chip has three positions, HIGH – STANDARD – LOW, allowing you to move the bottom bracket height by +5 mm/0/- 5 mm, which is the most notable change in terms of geometry. Along with this we will also modify the headtube angle by 0.35° (-0.35 on LOW position; +0.35° on HIGH position) and a slight variation in reach of 4 mm (-4 mm in the LOW position; +4 mm in the HIGH position).

WHICH SHOCKS ARE COMPATIBLE WITH SUMMUM MY26?

The Summum model has been designed to fit most shocks on the market with the following specifications:

- Metric 225x75mm size
- Upper trunnion mount
- Lower bushing and hardware 30x8mm

WHAT TYPE OF DRIVETRAINS ARE COMPATIBLE WITH THIS NEW SUMMUM MODEL?

Summum frame has been developed to be used with T-Type direct mount or UDH derailleur hanger mount derailleurs, so you can fit most rear derailleurs available on the market.

IS THIS SUMMUM MODEL COMPATIBLE WITH SINGLE CROWN FORKS?

Summum has been developed for dual crown forks with 1-1/8" head tube. As a general rule, single crown forks usually feature tapered 1-1/8" – 1-1/2" tubes that are not compatible with the ARS (Adjustable Reach System) headset.

WHAT IS THE MAIN TUBE MOUNTING FOR?

As this bike was developed for racing we believe many users will want to use some kind of telemetry system at the races, so there is already a position where it can be attached. That doesn't mean you can't mount a bottle cage to carry a water bottle or attach your spare parts on there for more adventurous days.

IF I MODIFY THE LENGTH OF THE DROPOUTS BY REPLACING THEM WITH THOSE INCLUDED IN THE GEOMETRY KIT, WHAT ELSE WOULD I HAVE TO MODIFY?

If you install the LONG + 5 mm, or the SHORT -5 mm dropouts you will also need to install the multi-position brake adapter so that the brake caliper and the rear wheel axle always have the same distance ratio.

IS THE CHAIN GUIDE USED BY THE SUMMUM MODEL SPECIFIC?

The chain guide is ISCG 05 mount with short upper slide as there may be incompatibility if a long upper guide is used, as it might interfere with the frame.



16. FAQs

WHAT SIZE BIKE DO I NEED?

Summum is a multi-adjustable model, so you can play around with the geometry kit to find multiple possibilities. In addition your skills and riding preferences will largely determine whether you'd go for a larger or smaller size (such as looking for more stability or playful handling... may determine whether you choose a larger or smaller size, as an example).

HOW ARE THE REACH ADJUSTMENT CUPS INSTALLED ON THE SUMMUM MODEL?

The ARS (Adjustable Reach System) has been designed to changing the headset cups quick and easy, so they can be installed and removed by hand. It is important to place both cups in the same reach position, both top and bottom.



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ANLEITUNGEN UND DOKUMENTE





SICHERHEITS- UND ALLGEMEINE HINWEISE

Bitte beachten Sie, dass in diesem technischen Leitfaden die folgenden drei Symbole erscheinen können. Sie weisen jeweils auf die folgenden Vorsichtsmaßnahmen hin:

WARNUNG:

Die Nichtbeachtung dieser Hinweise oder die Durchführung unsicherer Praktiken kann zu schweren Verletzungen oder sogar zum Tod führen. Die Arbeiten sind technisch anspruchsvoll und können bei fehlerhafter Ausführung zu Schäden am Fahrrad oder zum Erlöschen der Garantie führen.

VORSICHT:

Die Nichtbeachtung dieser Hinweise oder die Durchführung unsicherer Praktiken kann zu leichten Verletzungen führen. Die Arbeiten sind technisch anspruchsvoll und können bei fehlerhafter Ausführung zu Schäden am Fahrrad oder zum Erlöschen der Garantie führen.

INFORMATION

Informationen, die für eine ordnungsgemäße Ausführung der Arbeit wichtig sind und daher mögliche Schäden an Ihrem Fahrrad oder den Verlust der Garantie verhindern. Hier besteht jedoch kein Risiko für Personen.

WICHTIGE HINWEISE

- Die Verwendung von nicht originalen Ersatzteilen kann zu Schäden, Fehlfunktionen und Unfällen mit schweren Folgen führen.
- Bitte beachten Sie, dass für einige der in diesem Handbuch beschriebenen Arbeitsschritte Kenntnisse erforderlich sind, die über die Kompetenz eines durchschnittlichen Fahrradfahrers hinausgehen. Falls Sie nicht qualifiziert sind, diese Schritte auszuführen, bringen Sie Ihr Fahrrad zur Wartung und zum Austauschen von Bauteilen zu einem von Mondraker autorisierten technischen Kundendienst. Der falsche Einbau von Ersatzteilen kann zu Fehlfunktionen, Unfällen, Verletzungen und zum Erlöschen der Garantie führen.

REINIGUNG UND PFLEGE

- Nach einem Ausbau der Teile wird empfohlen, die wiederzuverwendenden Komponenten zu reinigen, zu fetten und (falls erforderlich) mit Schraubensicherung zu versehen.

SYMBOL-LEGENDE



Mittelfeste Schraubensicherung. Loctite 243 oder ähnlicher Art.



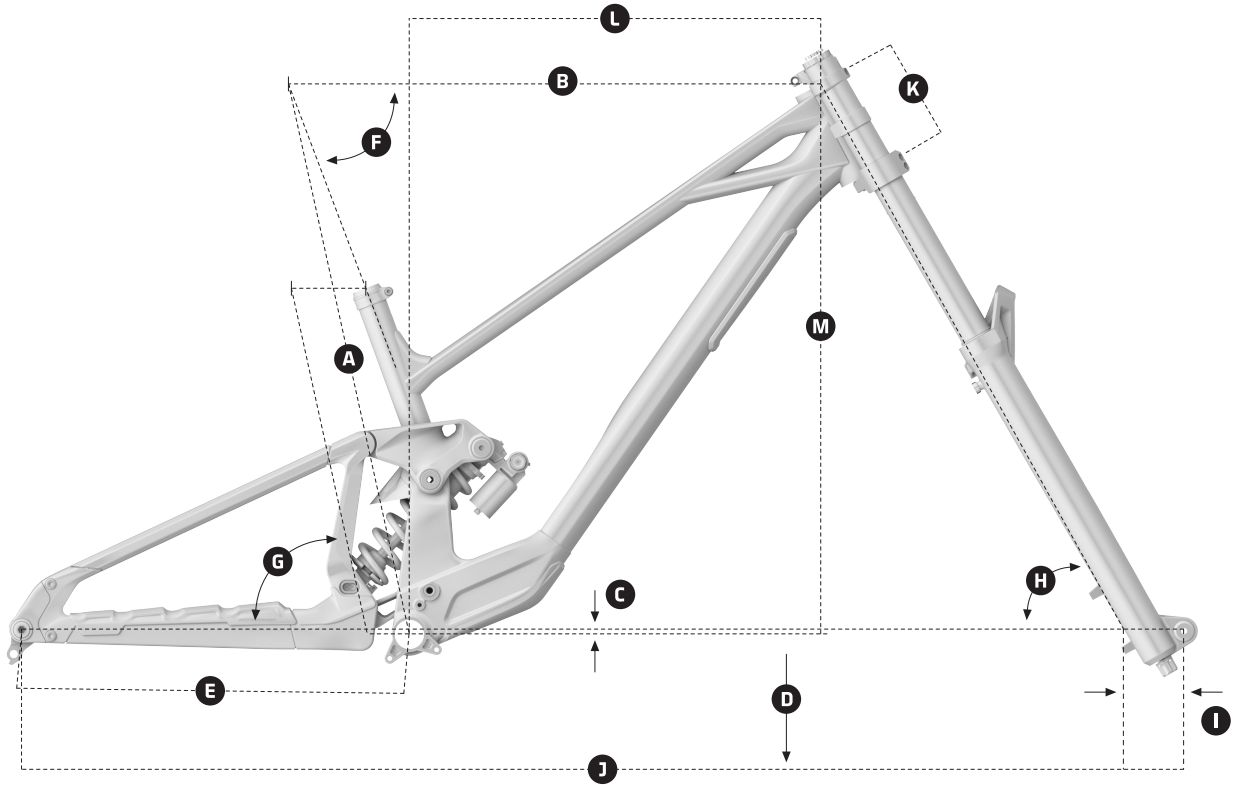
Synthetische Montagepaste.



Spezielle Carbon Montagepaste.



1. GEOMETRIE



SUMMUM

RAHMENHÖHE	M [STD]	L [STD]	XL [STD]
A Sitzrohlänge	400 mm	400 mm	400 mm
B Oberrohlänge	710 mm	740 mm	770 mm
C Innenlagerabsenkung	-5 mm	-5 mm	-5 mm
D Innenlagerhöhe	350 mm	350 mm	350 mm
E Kettenstrebenlänge	455 mm	455 mm	455 mm
F Sitzwinkel	78°	78°	78°
G Sitzwinkel (effektiv)	70°	70°	70°
H Lenkwinkel	62,5°	62,5°	62,5°
I Gabel Offset	52 mm	52 mm	52 mm
J Radstand	1285,4 mm	1315,4 mm	1345,4 mm
K Steuerrohlänge	120 mm	120 mm	120 mm
L Reach	450 mm	480 mm	510 mm
M Stack	642,6 mm	642,6 mm	642,6 mm

REACH-VERSTELLUNG ÜBER STEUERSATZSCHALEN +/-5mm · KETTENSTREBENLÄNGEN-VERSTELLUNG +/-5mm · DÄMPFER FLIP-CHIP VERSTELLUNG +/-5mm Tretlagerhöhe, 0,35° Winkel



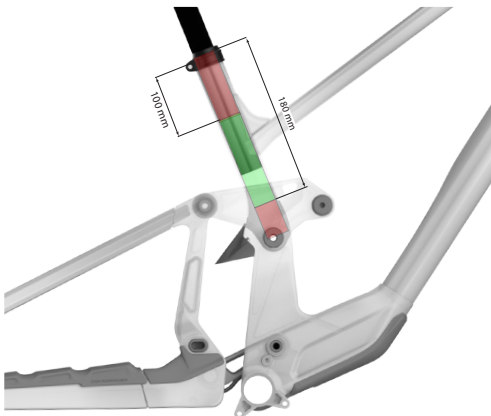
Besuchen Sie <https://mondraker.com/wo/de/frameset-summum-rr-mullet>, um Ihre individuelle Geometrie zu konfigurieren und präzise Daten basierend auf der Position von Flip-Chip, Ausfallenden und Steuersatzschalen zu erhalten.



2. RAHMENSPEZIFIKATIONEN

RAHMENGRÖSSEN	M / L / XL
VORDERRADGRÖSSE	29"
NABE VORN	110mm x 20mm (BOOST)
HINTERRADGRÖSSE	27,5"
NABE HINTEN	157mm x 12mm (DH)
HINTERACHSE	12X157 P1.0 L183 (head 19mm OD)
ANZAHL WASSERFLASCHEN	1
INNENLAGER	BSA 83mm
FEDERWEG	200mm
SCHOCKABSORBER	225 x 75mm TRUNNION, 30 x 8mm
FEDERGABEL	200mm
DURCHMESSER SATTELSTÜTZE	31.6mm / 34.9mm
KETTENLINIE	57mm
STEUERSTAZ	Onoff DH ARS (Adjustable Reach System) 1-1/8", 1-1/8"
KETTENBLATT MAX	36T
BREMSE HINTEN	POST MOUNT CUSTOM ADAPTER, DIRECT 200 (220mm max with spacer)
MAXIMAL KOMPATIBLE REIFENGRÖSSE	27'5x2.6

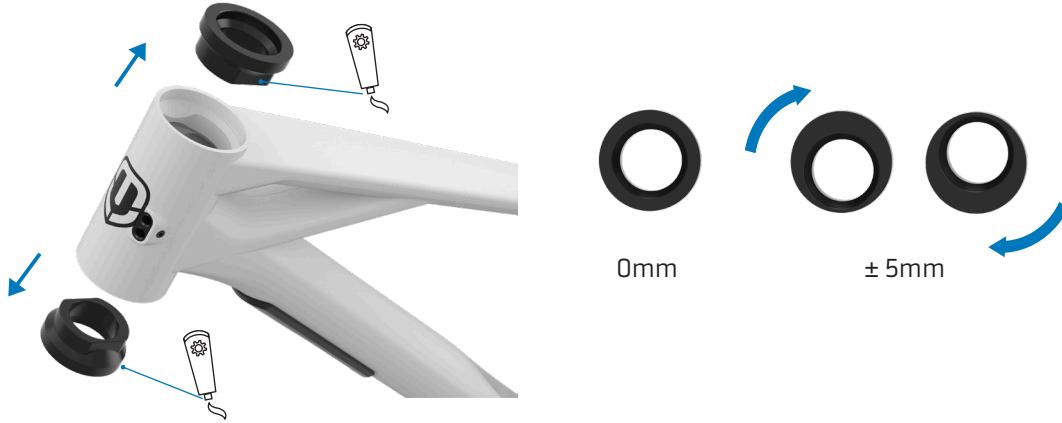
3. EINSTECKTIEFE DER SATTELSTÜTZE



RAHMENGRÖSSE	MIN. (mm)	MAX. (mm)
XL	100	175
L	100	175
M	100	175



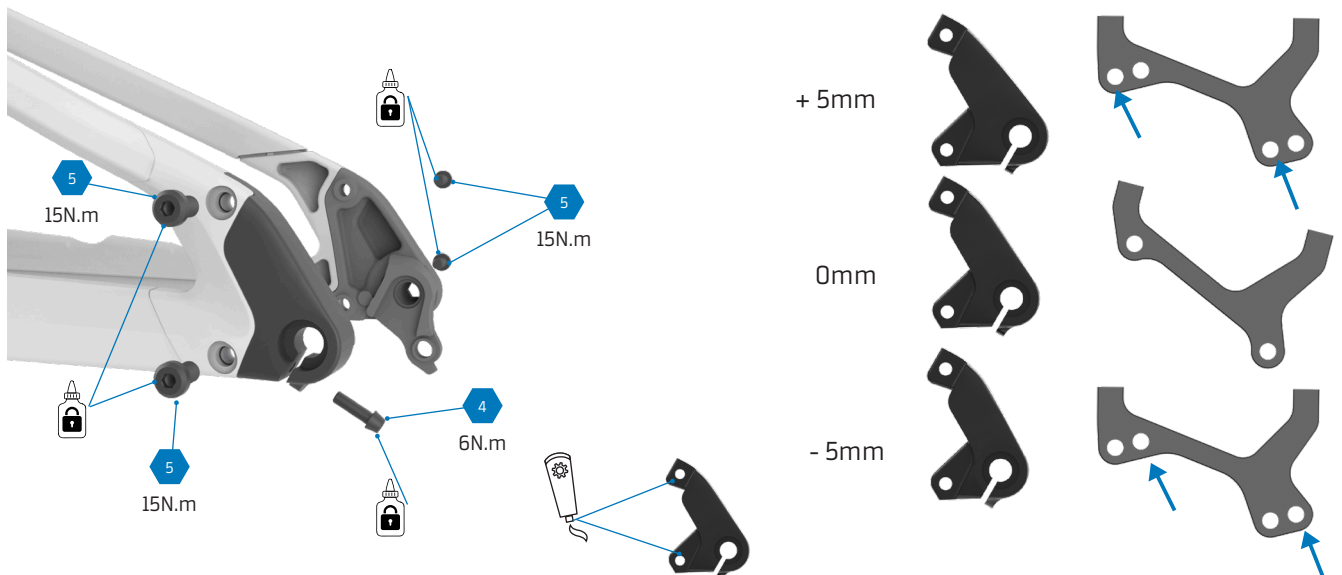
4. STEUERSATZSCHALEN



Die obere und untere Steuersatzschale müssen immer mit der gleichen Ausrichtung ihrer Exzentrizität installiert werden. Die Verwendung dieser Schalen ermöglicht es, die Reach-Länge zu verändern.

Um den Lenkwinkel anzupassen, muss das Flip-Chip-System des Rahmens verwendet werden. Denken Sie daran, vor der Montage eine dünne Schicht Montagefett auf die Kontaktflächen aufzutragen.

5. AUSFALLENDEN



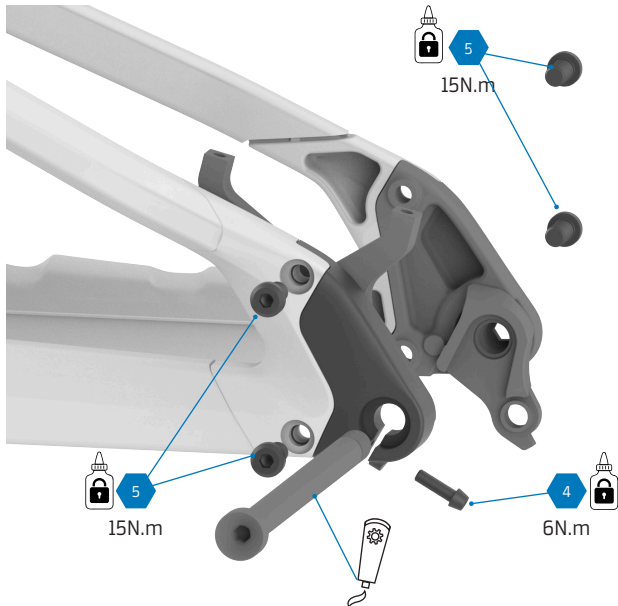
Das Fahrrad wird serienmäßig mit Standard-Ausfallenden geliefert. Wenn Sie größere oder kleinere Ausfallenden montieren, **muss zwingend auch der Bremsadapter (die Bremssattelaufnahme) ausgetauscht werden**. Der Standard-Adapter ist nur mit den serienmäßigen Ausfallenden kompatibel.



Besuchen Sie <https://mondraker.com/wo/de/frameset-summum-rr-mullet>, um Ihre individuelle Geometrie zu konfigurieren und präzise Daten basierend auf der Position von Flip-Chip, Ausfallenden und Steuersatzschalen zu erhalten.

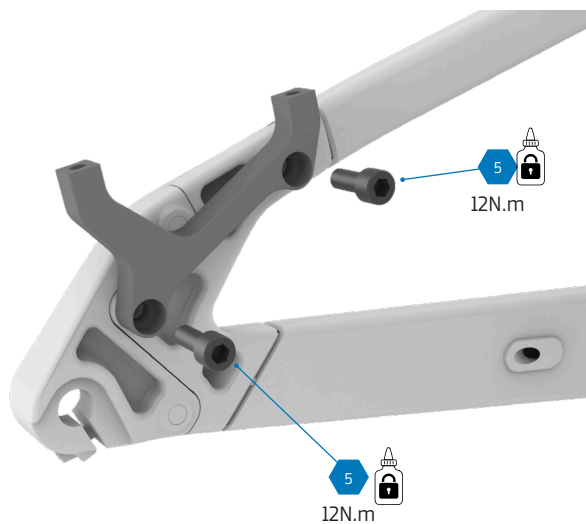


6. HINTERRADACHSE EINSETZEN



1. Die Schrauben der Ausfallenden leicht lösen (ca. 3/4 Umdrehung) und die Klemmschraube lösen.
2. Die Achse einsetzen und mit dem angegebenen Drehmoment anziehen.
3. Die Schrauben der Ausfallenden mit dem angegebenen Drehmoment anziehen.
4. Die Klemmschraube mit dem angegebenen Drehmoment anziehen.

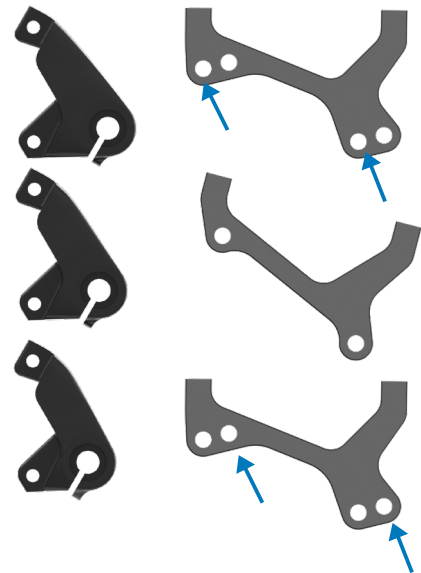
7. BREMSADAPTER



+ 5mm

0mm

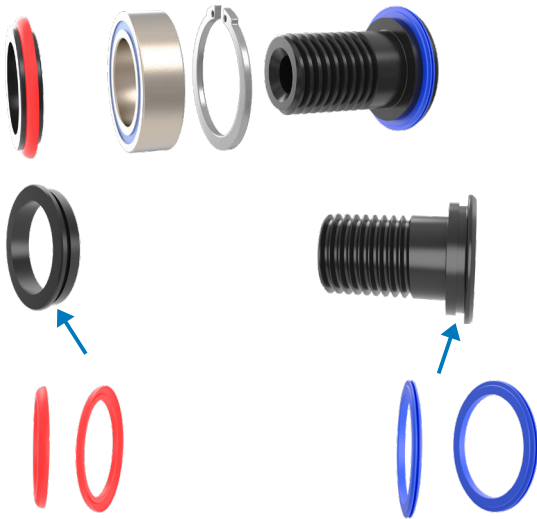
- 5mm



Besuchen Sie <https://mondraker.com/wo/de/frameset-summum-rr-mullet>, um Ihre individuelle Geometrie zu konfigurieren und präzise Daten basierend auf der Position von Flip-Chip, Ausfallenden und Steuersatzschalen zu erhalten.

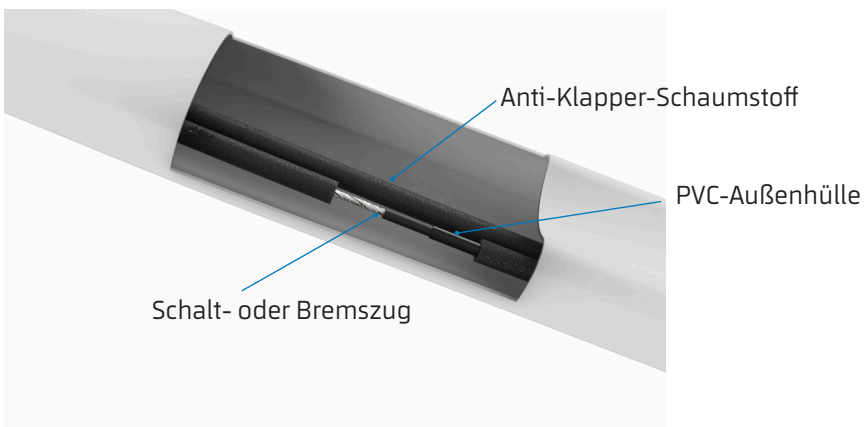
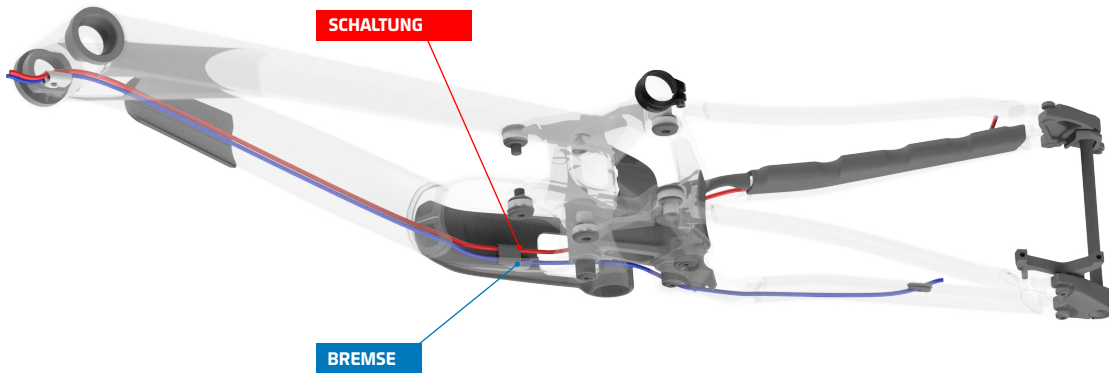


8. GUMMIDICHTUNGEN



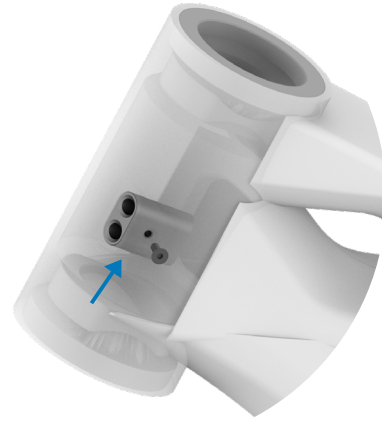
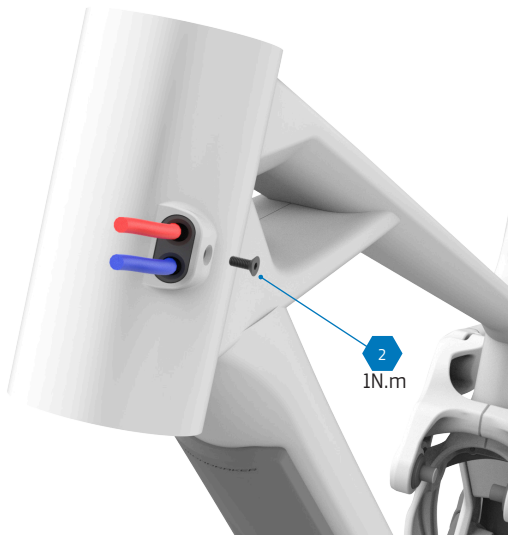
Achten Sie auf die Position und Form der Gummidichtungen. Zur besseren Unterscheidung wurden die Farben Rot und Blau verwendet, in der Realität sind die Gummidichtungen jedoch schwarz.

9. INTERNE ZUGVERLEGUNG

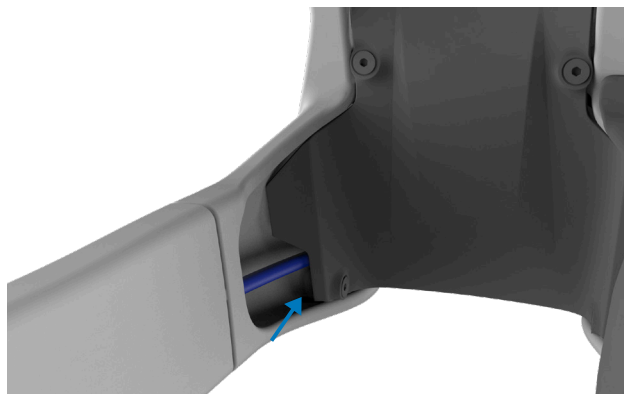
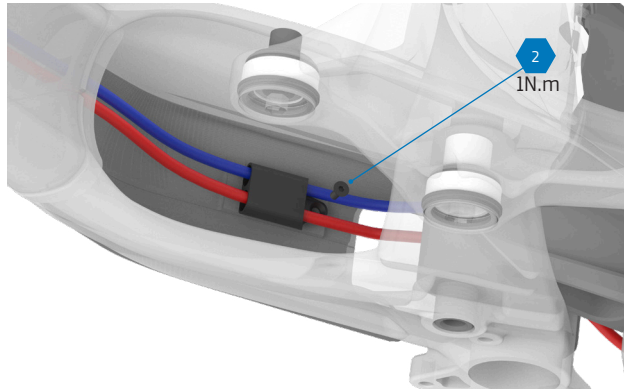




9. INTERNE ZUGVERLEGUNG



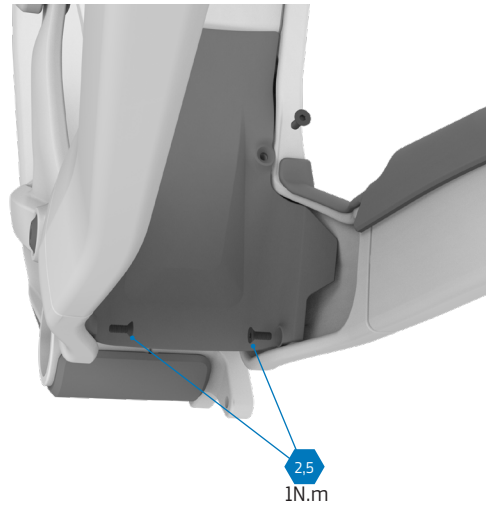
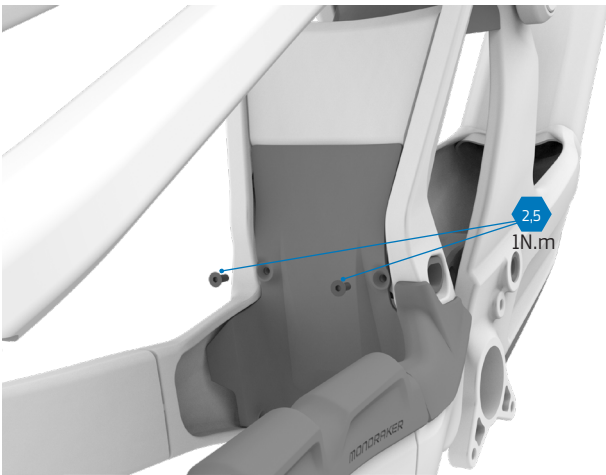
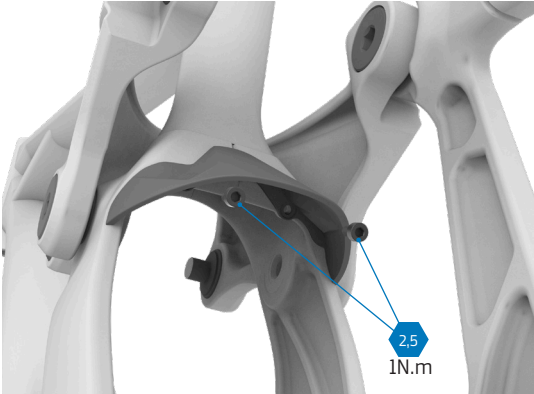
Die Kabeldurchführung wird mit der Schraube am Rahmen befestigt.



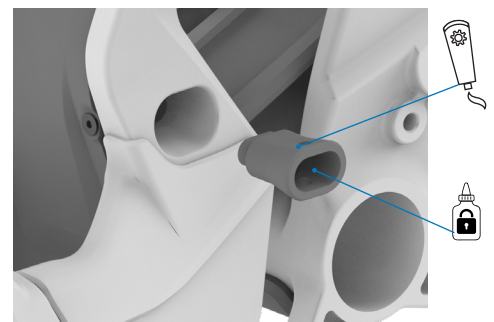
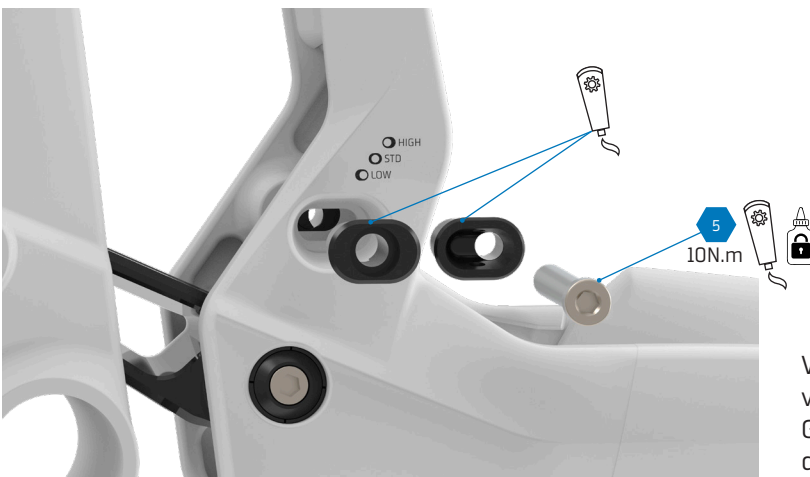
Nutzen Sie die Öffnung, um den Zug durch die Kettenstrebe zu führen.



10. FENDERS



11. FLIP-CHIP DER DÄMPFERBEFESTIGUNG



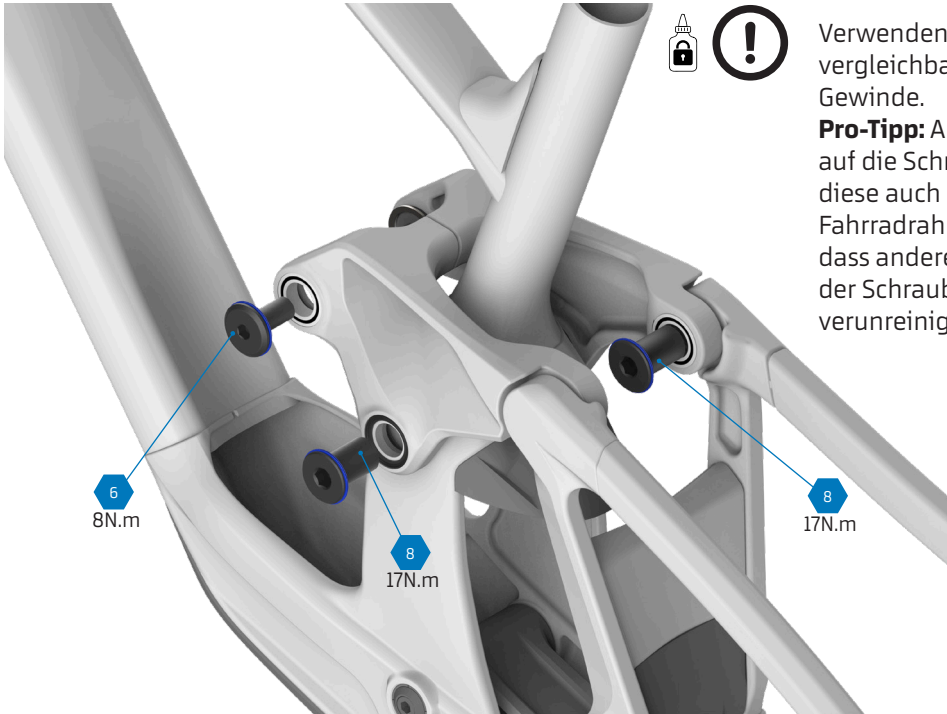
Verwenden Sie Loctite 243 (oder eine vergleichbare Schraubensicherung) für das Gewinde und Montagefett für die Außenflächen des Flip-Chips.



Besuchen Sie <https://mondraker.com/wo/de/frameset-summum-rr-mullet>, um Ihre individuelle Geometrie zu konfigurieren und präzise Daten basierend auf der Position von Flip-Chip, Ausfallenden und Steuersatzschalen zu erhalten.

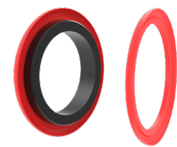
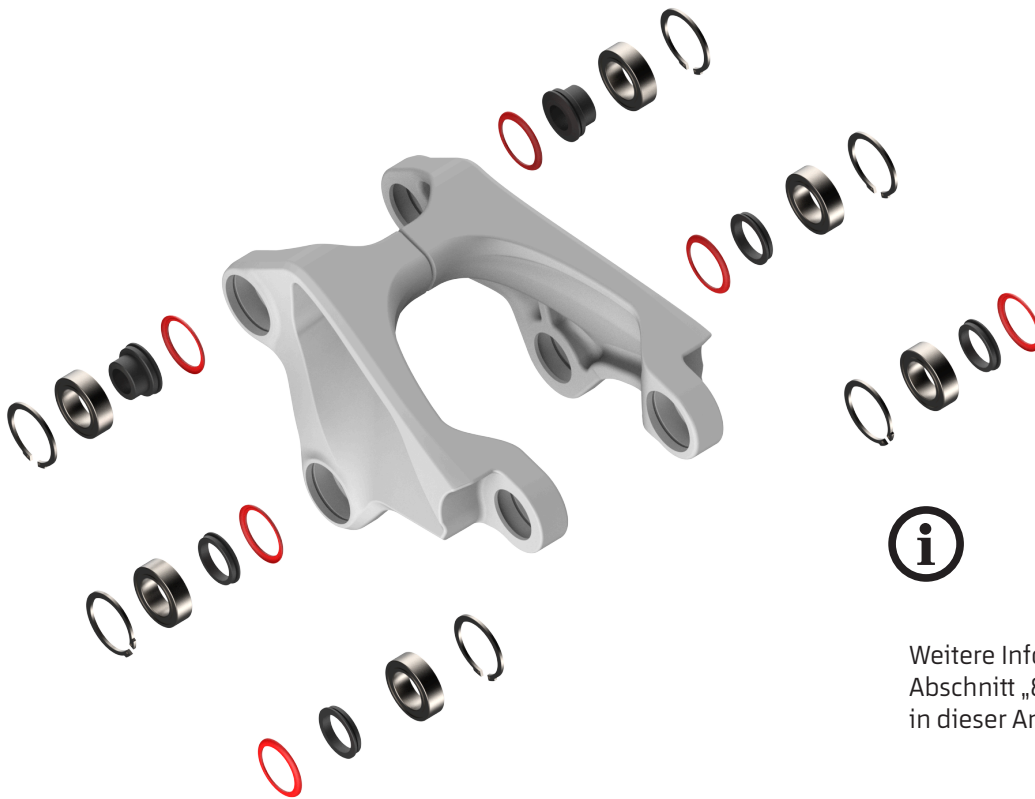
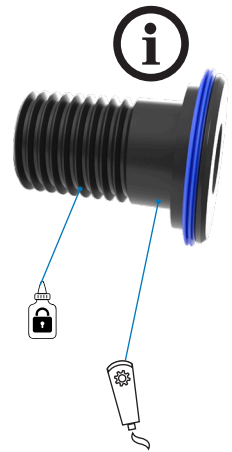


11. OBERER UMLENKHEBEL



Verwenden Sie Loctite 243 (oder eine vergleichbare Schraubensicherung) für das Gewinde.

Pro-Tipp: Anstatt die Schraubensicherung auf die Schraube aufzutragen, können Sie diese auch direkt in das Innengewinde des Fahrradrahmens geben. So vermeiden Sie, dass andere Komponenten beim Einsetzen der Schraube mit der Schraubensicherung verunreinigt werden.



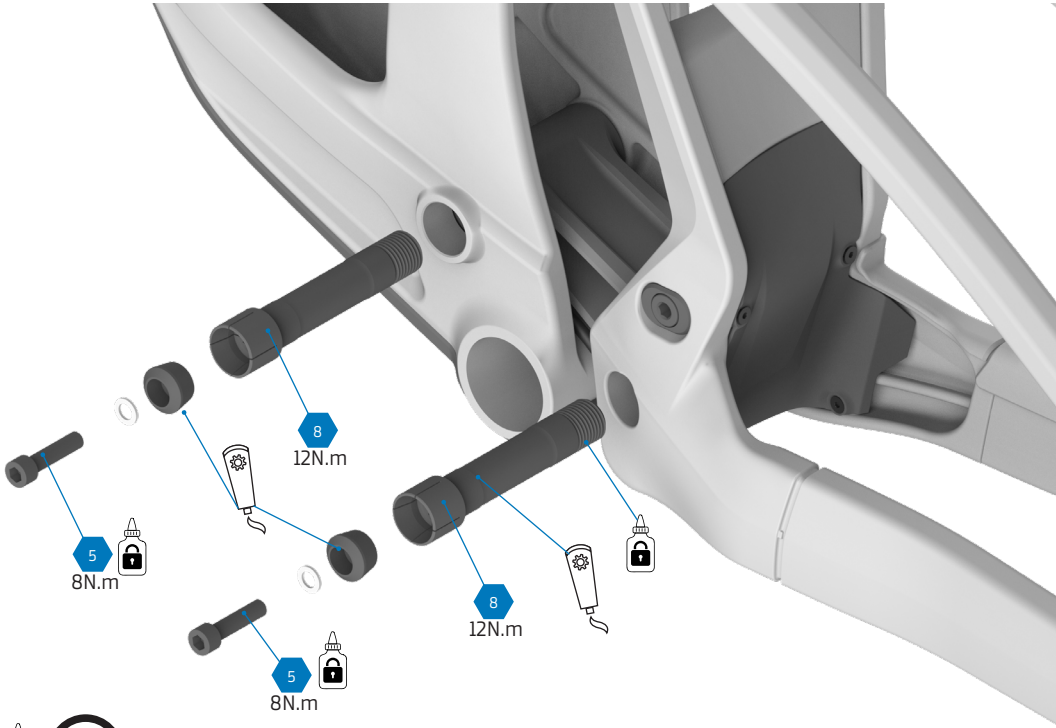
Weitere Informationen: Siehe Abschnitt „8. GUMMIDICHTUNGEN“ in dieser Anleitung.



Verwenden Sie Montagefett für den Zusammenbau der Komponenten.



12. UNTERER UMLENKHEBE



Verwenden Sie Loctite 243 (oder eine vergleichbare Schraubensicherung) für das Gewinde.



Verwenden Sie Montagefett für den Zusammenbau der Komponenten.



13. VORBAU



+5 mm Distanzplatte



+5 mm Distanzplatte



M6 X 50 (x2)



M6 X 40 (x2)



M6 X 30 (x2)



M6 X 20 (x4)

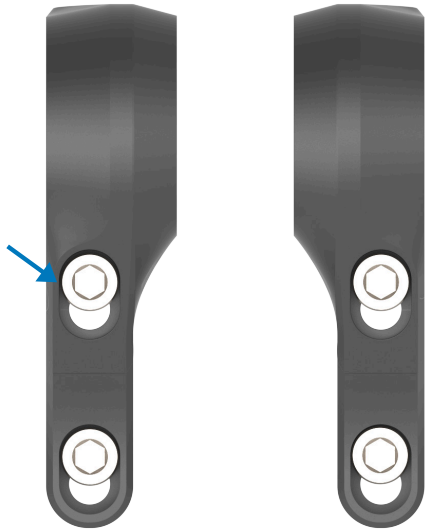


6 N.m

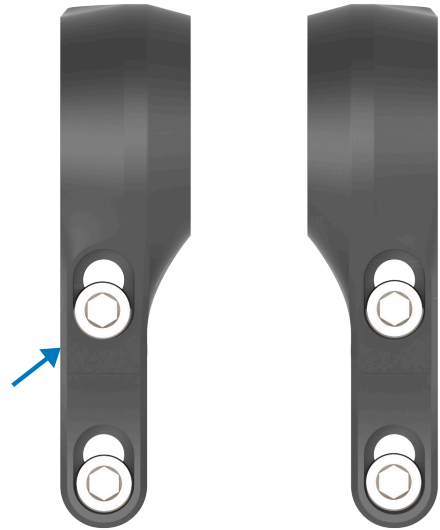
Alle Schrauben mit 6 Nm anziehen.



13. VORBAU



45 mm Vorbau.



50 mm Vorbau.

LENKEREINSTELLUNG



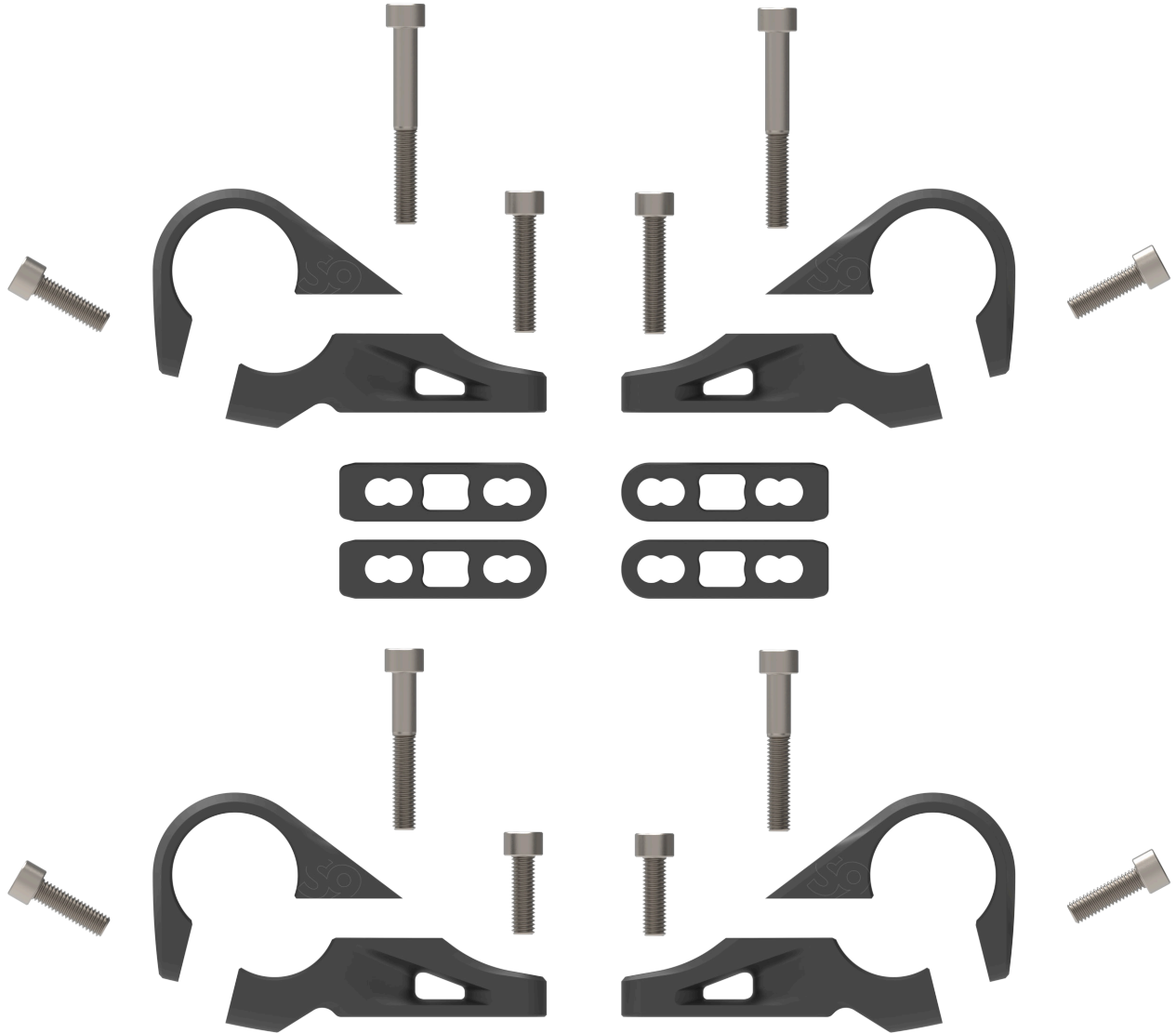
Bequeme Position.



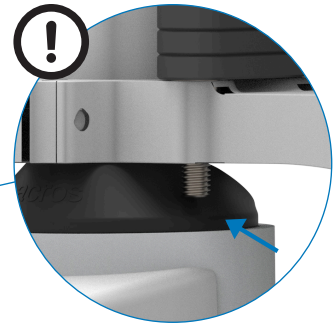
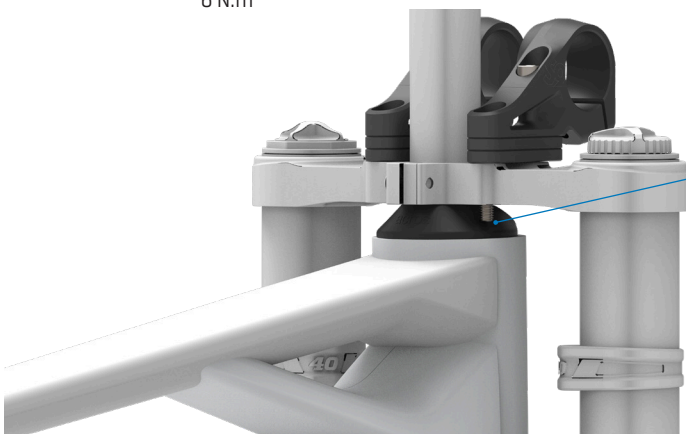
Stabile Position.



13. VORBAU



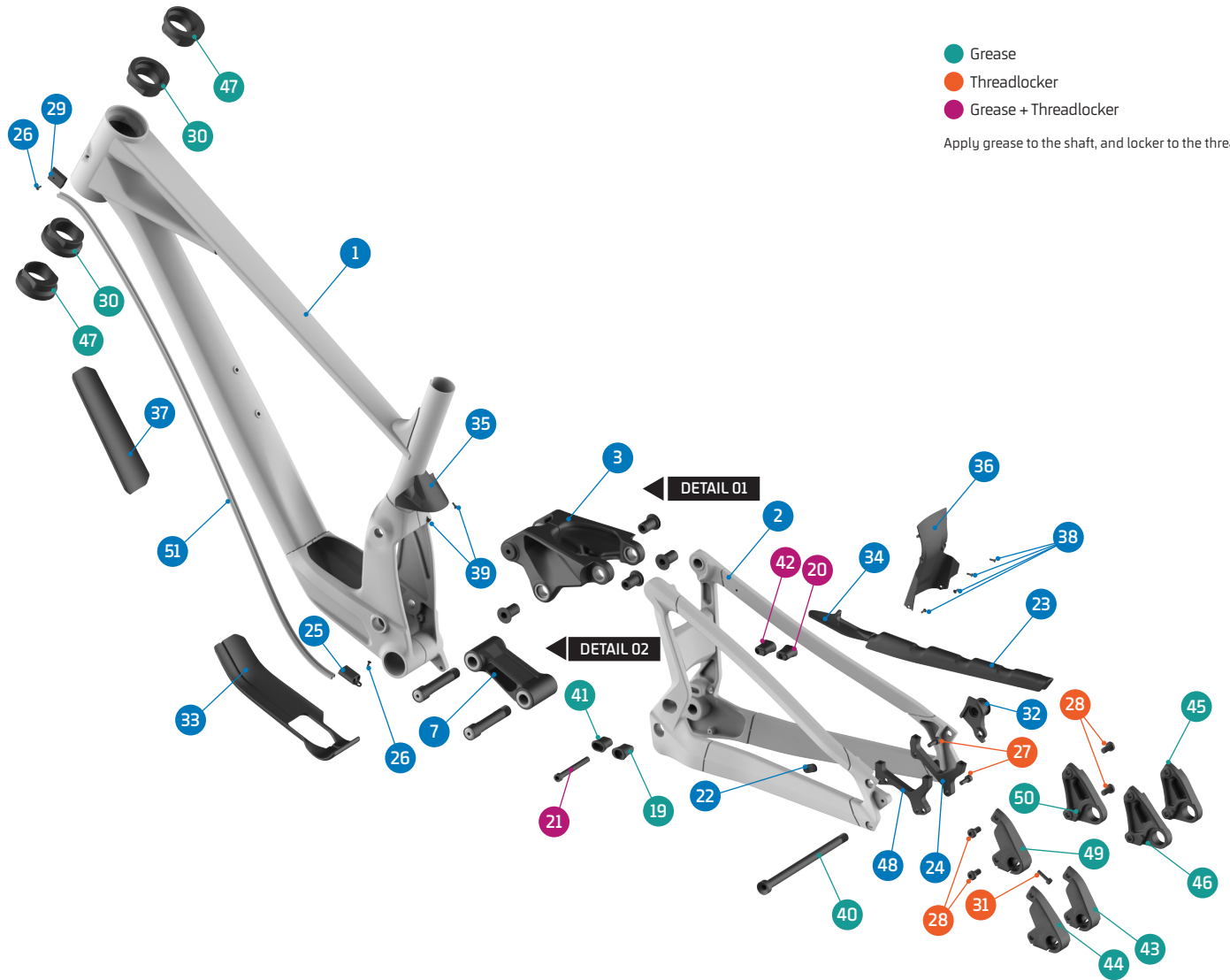
5
6 N.m



Stellen Sie sicher, dass die Schrauben lang genug sind, damit das Gewinde vollständig greift.
Eine zu lange Schraube kann die Steuersatzkappe beschädigen.



14. SPARE PARTS



ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
1	FRAME	1		
2	REAR TRIANGLE	1		
3	UPPER LINK	1	Refer to B2B web for color options	
4	PIVOT AXLE, M15	4	SET 3	17Nm
5	SHOCK BOLT	2	SET 2	8Nm
6	BEARING, 24x15x7 3802V-2RS	10	SET 1 / 099.00113	
7	LOWER LINK	1	099.26072	
8	C-RING	6	SET 2 & 3	
9	SPACER, 10x17x6	2	SET 2	
10	PIVOT SEAL, EXTERNAL	10	SET 2,3,4 & 9	
11	PIVOT SEAL, INTERNAL	6	SET 2, 3 & 9	
12	PIVOT WASHER	4	SET 3	
13	PIVOT AXLE, 88L	2	SET 4	12Nm
14	SPACER, 38L	2	SET 4	
15	WASHER, 6x10x1t	2	SET 4	
16	TAPER NUT	2	SET 4	
17	SCREW BOLT, M6x25	2	SET 4	8Nm
18	SPACER, LOWER	4	SET 4	
19	SHOCK FLIPCHIP CENTER	1	099.26073	
20	SHOCK FLIPCHIP DRIVE SIDE CENTER	1	099.26074	
21	SHOCK BOLT, 65L	1	SET 2 / 099.25038	10Nm
22	CABLE RUBBER	1	989.13010	
23	CHAINSTAY PROTECTOR	1	099.25016	
24	DISC MOUNT	1	SET 5	
25	CABLE GUIDE	1	099.22017	
26	SCREW BOLT, M3x8	2	099.20068	1Nm

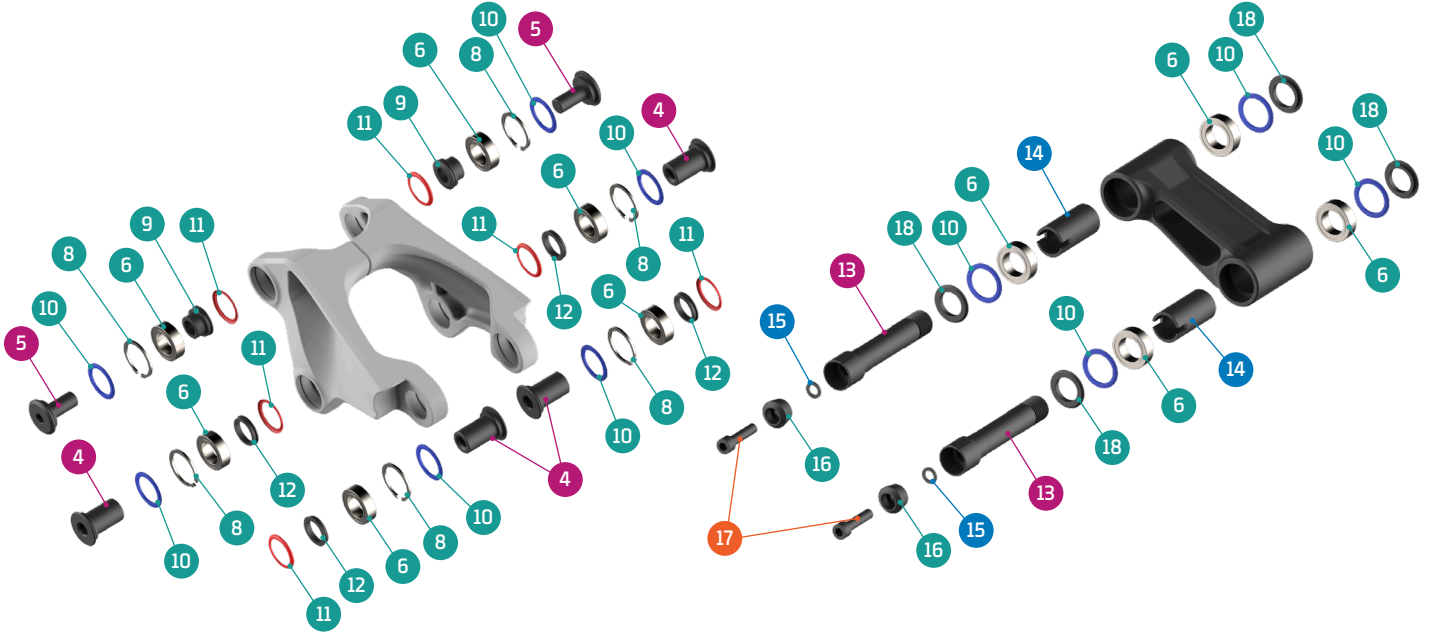
ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
27	SCREW BOLT, M6x15	2	SET 5	12Nm
28	SCREW BOLT, M8x15	4	099.26085	15Nm
29	CABLE GUIDE HEAD SET	1	099.22018	
30	HEADSET CUP CENTER	2	099.26075	
31	SCREW BOLT, M5x18	1	SET 6, 7 & 8	6Nm
32	HANGER	1	SRAM UDH	
33	BOTTOM BRACKET PROTECTOR	1	099.26076	
34	YOKE PROTECTOR	1	099.26077	
35	FT SHOCK FENDER	1	099.26078	
36	RT SHOCK FENDER	1	099.26079	
37	DOWN TUBE PROTECTOR	1	099.26080	
38	SCREW BOLT, M3x8	4	099.20068	1Nm
39	SCREW BOLT, M3x6	2	099.12116	1Nm
40	SUMMUM 26 WHEEL AXLE	1	099.26081	12Nm
41	SHOCK FLIPCHIP HIGH/LOW	1	099.26082	
42	SHOCK FLIPCHIP DRIVE SIDE HIGH/LOW	1	099.26083	
43	DROPOUT -5	1	SET 7	
44	DROPOUT +5	1	SET 8	
45	DROPOUT -5 DRIVE SIDE	1	SET 7	
46	DROPOUT +5 DRIVE SIDE	1	SET 8	
47	HEADSET CUP +/- 5	2	099.26084	
48	DISC MOUNT +/-5	1	099.26086	
49	DROPOUT STANDARD	1	SET 6	
50	DROPOUT STANDARD DRIVE SIDE	1	SET 6	
51	INTERNAL CABLE GUIDE	1	099.21010P	



14. SPARE PARTS

DETAIL 01

DETAIL 02



SET 6 **SET 7** **SET 8** **SET 9**

NEUTRAL DROPOUTS KIT

MINUS 5 DROPOUTS KIT

PLUS 5 DROPOUTS KIT

SEALS KIT



SET 1 **SET 2** **SET 3** **SET 4** **SET 5**

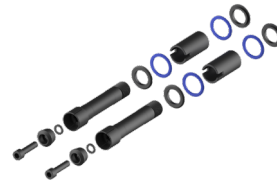
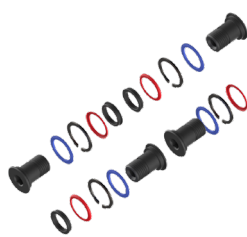
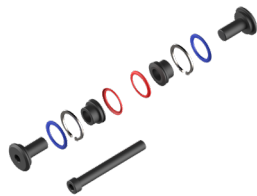
ZERO BEARING KIT 25

SHOCK HARDWARE KIT 24

UPPER LINK KIT 34

SET 4

DISC ADAPTOR KIT



PART NUMBER	DESCRIPTION	COMPONENTS
099.22100	SET 1: ZERO BEARING KIT 25	BEARING 3802-2RS, 24x15x7 (x10)
099.26202	SET 2: SHOCK HARDWARE KIT 24	PIVOT SEAL INTERNAL (x2) / PIVOT SEAL EXTERNAL (x2) / C-RING (x2) / SPACER, 10x17x6 (x2) / SHOCK BOLT (x2) / SHOCK BOLT, 65 (x1)
099.26300	SET 3: UPPER LINK KIT 34	PIVOT WASHER (x4) / PIVOT SEAL INTERNAL (x4) / PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE, M15 (x4) / C-RING (x4)
099.26401	SET 4: LOWER LINK KIT 39	PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE 88L, (x2) / SCPACER, 38 (x2) / WASHER (x2) / TAPER NUT (x2) / SCREW BOLT, M6X25 (x2) / SCPACER LOWER (x4)
099.25018	SET 5: DISC ADAPTOR KIT	DISC ADAPTOR (x1) / SCREW BOLT (x2)
099.26087	SET 6: NEUTRAL DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT STANDARD (x1) / DROPOUT STANDARD DRIVE SIDE (x1)
099.26088	SET 7: MINUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT -5 (x1) / DROPOUT -5 DRIVE SIDE (x1)
099.26089	SET 8: PLUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT +5 (x1) / DROPOUT +5 DRIVE SIDE (x1)
099.26062	SET 9: SEALS KIT	PIVOT SEAL INTERNAL (x8) / PIVOT SEAL EXTERNAL (x10)



15. KINEMATIK

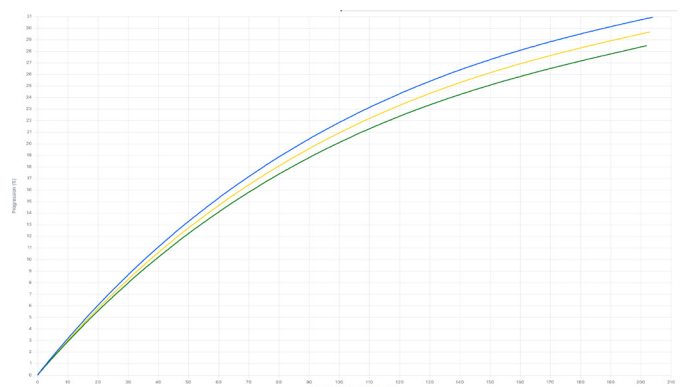
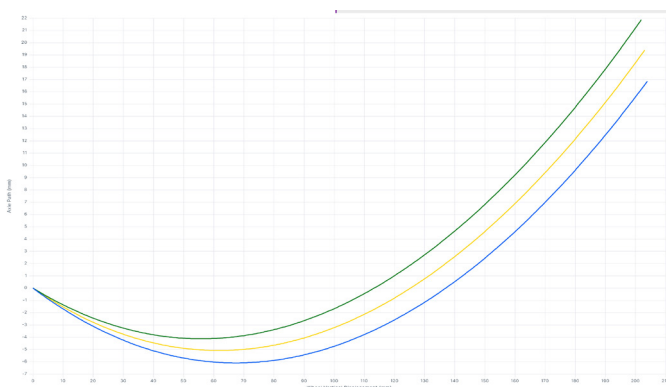
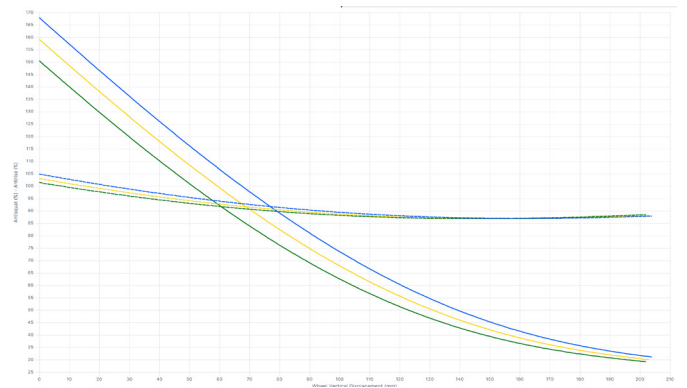
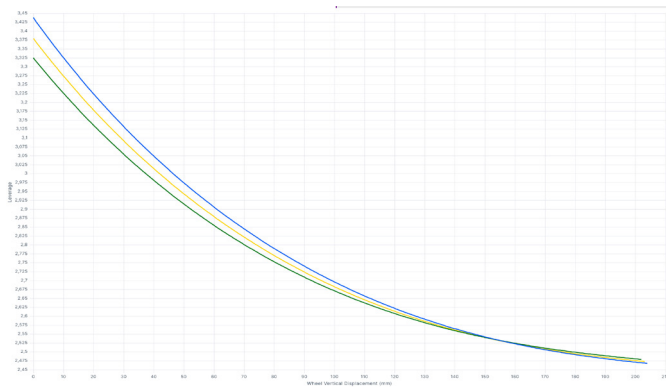
Die Kinematik des neuen Summum sowie die Geometrie basieren zu einem großen Teil auf der Entwicklung, die vom MFR-Team während der Saison am Summum-Prototyp durchgeführt wurde, wobei immer berücksichtigt wurde, dass die Bandbreite der Nutzer viel größer sein wird. Aus dem Einstellungsbereich des Summum-Prototyps haben wir diejenigen ausgewählt, von denen wir glauben, dass sie zu den meisten Fahrerprofilen passen.

Gegenüber dem ursprünglichen Summum-Prototyp haben wir einige Änderungen vorgenommen, um in den ersten 50 % des Federwegs ein geringeres Übersetzungsverhältnis für guten Gegenhalt (Support) zu erzielen. Ab diesem Punkt haben wir das Verhältnis erhöht, um die Progression zu verringern und den gesamten Federweg zu nutzen.

Wir haben einen Flip-Chip an der unteren Dämpferaufnahme entwickelt, der hauptsächlich die Geometrie, aber auch den Startpunkt des Übersetzungsverhältnisses und die Progression um 1,5 % verändert. Es ist eine kleine Modifikation, die jedoch interessant sein kann, um das Bike an verschiedene Vorlieben, Terrains oder Dämpfer anzupassen.

Hier finden Sie die üblichen Informationen und im Anschluss das "Standard"-Setup im Vergleich zu den verschiedenen Flip-Chip-Einstellungen. Gelb = "Standard"; Grün = -3.5 (Low-Position) und Blau = +3.5 (High-Position).

Empfohlene Federn für den Hinterbaudämpfer: M 450 lb/in, L 500 lb/in und XL 550 lb/in.





16. FAQs

KANN ICH DIE LAUFRADGRÖSSE AN MEINEM SUMMUM ÄNDERN?

Das Summum ist für eine Mullet-Bereifung mit 29" vorne und 27,5" hinten ausgelegt. Wir empfehlen daher, aufgrund der geometrischen und kinematischen Auswirkungen von anderen Kombinationen abzusehen.

KANN ICH BOOST 148 X 12 LAUFRÄDER AM SUMMUM MONTIEREN?

Nein, am Summum können nur Hinterradnaben mit den Maßen 12 x 157 mm verwendet werden.

WELCHE GRÖSSE DÜRFEN DIE BREMSSCHEIBEN AM SUMMUM MAXIMAL HABEN?

Bei diesem Modell können vorne und hinten bis zu 220 mm große Bremsscheiben montiert werden.

WELCHE GRÖSSE DÜRFEN DIE REIFEN AM SUMMUM MAXIMAL HABEN?

Das Summum ist kompatibel mit Vorderreifen bis zu 2,6": 29 x 2,6" vorne und bis zu 27,5 x 2,6" hinten (66 mm breit).

WELCHE MODELLE BEINHALTEN DAS GEOMETRIE-KIT?

Das Geometrie-Kit ist bei allen Summum MY26-Modellen und auch beim einzelnen Rahmenset im Lieferumfang enthalten.

WAS IST ALLES IM GEOMETRIE-KIT DES SUMMUM ENTHALTEN?

Das mit dem Fahrrad und dem Rahmenset ausgelieferte Kit besteht aus folgenden Teilen:

- Zwei Steuersatzschalen-Sets zur REACH-Einstellung: +5 mm / 0 / -5 mm
- Exzentrischer Flip-Chip zur Einstellung der Dämpferpositionen
- Zwei zusätzliche Ausfallenden zur Veränderung der Kettenstrebenlänge: +5 mm / -5 mm

Mit diesem Kit kannst du das Setup ganz einfach an deine Präferenzen oder das jeweilige Terrain anpassen.

DER FLIP-CHIP BIETET JETZT DREI EINSTELLPOSITIONEN. WIE FUNKTIONIERT DAS?

Um die Position mittels Flip-Chip zu ändern, tauschst du ihn einfach mithilfe der unteren Dämpferschraube gegen den anderen exzentrischen Flip-Chip aus dem Geometrie-Kit aus. Mit diesen Teilen und ihren Offset-Optionen kannst du in die HIGH- oder die LOW-Position wechseln. Die mittlere Flip-Chip-Position an der unteren Dämpferaufnahme ist serienmäßig eingestellt.



16. FAQs

WELCHE GEOMETRIE-VERÄNDERUNGEN ERGEBEN SICH AUS DEN DREI EINSTELLPOSITIONEN DES FLIP-CHIPS?

Der Dämpfer-Flip-Chip hat drei Positionen, HIGH – STANDARD – LOW, mit denen du die Tretlagerhöhe um +5 mm / 0 / -5 mm verstellen kannst. Das ist die bedeutendste Änderung in Bezug auf die Geometrie. Zusätzlich verändern sich der Steuerrohrwinkel um 0,35° (-0,35° in der LOW-Position; +0,35° in der HIGH-Position) und auch der Reach geringfügig um 4 mm (-4 mm in der LOW-Position; +4 mm in der HIGH-Position).

WELCHE DÄMPFER SIND MIT DEM SUMMUM MY26 KOMPATIBEL?

Das Summum-Modell ist kompatibel mit den meisten am Markt erhältlichen Dämpfern, die die folgenden Spezifikationen aufweisen:

- Metrische Größe 225 x 75 mm
- Trunion-Aufnahme oben
- Standardaufnahme 30 x 8 mm unten

WELCHE ANTRIEBSARTEN SIND MIT DIESEM NEUEN SUMMUM-MODELL KOMPATIBEL?

Der Summum-Rahmen wurde so konzipiert, dass T-Type-Schaltwerke (Direct Mount) oder solche mit UDH-Schaltauge verwendet werden können, sodass die meisten am Markt erhältlichen Schaltwerke montiert werden können.

IST DIESES SUMMUM-MODELL KOMPATIBEL MIT SINGLE-CROWN-GABELN?

Das Summum wurde für Dual-Crown-Gabeln mit 1-1/8" Steuerrohr entwickelt. In der Regel verfügen Single-Crown-Gabeln über konische Rohre (1-1/8" bis 1-1/2"), die nicht mit dem ARS-Steuersatz (Adjustable Reach System) kompatibel sind.

WOZU DIENT DIE HALTERUNG AM HAUPTROHR?

Dieses Bike wurde für den Renneinsatz entwickelt. Daher gehen wir davon aus, dass viele Fahrer bei Rennen ein Telemetriesystem einsetzen wollen, das hier befestigt werden kann. Du kannst aber auch einen Flaschenhalter anbringen und darin deine Wasserflasche oder deine Toolbox für abenteuerlichere Tage verstauen.

ICH MÖCHTE DIE LÄNGE DER AUSFALLENDEN ÄNDERN, INDEM ICH SIE DURCH DIE AUSFALLENDEN AUS DEM GEOMETRIE-KIT ERSETZE. WAS MUSS ICH DABEI NOCH ANPASSEN?

Wenn du die alternativen Ausfallenden (LONG +5 mm bzw. SHORT -5 mm) verwendest, musst du auch den Multipositions-Bremsadapter montieren, damit der Abstand zwischen Bremssattel und Hinterradachse immer gleich bleibt.



16. FAQs

VERFÜGT DIESES SUMMUM-MODELL ÜBER EINE SPEZIELLE KETTENFÜHRUNG?

Die Kettenführung entspricht dem ISCG-05-Montagestandard und verfügt über eine kurze obere Führungsschiene, da eine lange obere Führungsschiene zu Kompatibilitätsproblemen mit dem Rahmen führen könnte.

WELCHE GRÖSSE PASST ZU MIR?

Das Summum ist ein mehrfach verstellbares Modell. Mithilfe des Geometrie-Kits kannst du herumspielen und diverse Möglichkeiten ausprobieren. Ansonsten hängt es vor allem von deinen fahrerischen Fähigkeiten und Präferenzen ab, ob du dich für eine größere oder kleinere Größe entscheiden solltest ... so kann zum Beispiel der Wunsch nach mehr Stabilität oder einem verspielteren Handling deine Wahl beeinflussen.

WIE WERDEN DIE LAGERSCHALEN FÜR DIE REACH-EINSTELLUNG AM SUMMUM MONTIERT?

Das ARS (Adjustable Reach System) wurde entwickelt, um die Steuersatzschalen schnell und einfach zu wechseln, sodass sie von Hand eingesetzt und entfernt werden können. Es ist wichtig, dass beide Lagerschalen, sowohl oben als auch unten, in derselben Reach-Position platziert werden.



Alle Informationen und Bilder in diesem Dokument dienen nur zu Informationszwecken und stellen keinen rechtlichen Vertrag zwischen Mondraker und einer natürlichen oder juristischen Person dar. Spezifikationen, Geometrien und andere veröffentlichte technische Informationen können ohne vorherige Ankündigung geändert werden.

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MANUELS ET DOCUMENTS



CONSIGNES GÉNÉRALES ET DE SÉCURITÉ

Les 3 icônes suivantes peuvent apparaître dans ce guide technique. Chacune d'elles indique que les précautions indiquées doivent être prises :

AVERTISSEMENT :

Le non-respect des instructions ou une utilisation inappropriée du vélo peuvent causer des blessures graves, voire entraîner la mort. Ces opérations impliquent des difficultés techniques et, si elles ne sont pas effectuées correctement, elles pourraient endommager votre vélo ou entraîner l'annulation de la garantie.

ATTENTION :

Ne pas suivre les instructions ou utiliser le vélo de manière inappropriée peut provoquer des blessures légères. Ces tâches impliquent une difficulté technique et, si elles ne sont pas effectuées correctement, elles pourraient provoquer des dommages sur votre vélo ou entraîner l'annulation de la garantie.

INFORMATIONS

Informations indispensables à la réalisation correcte de cette tâche en évitant de causer des dommages au vélo ou de perdre la garantie, mais qui ne présentent aucun risque pour les personnes.

AUTRES CONSIDÉRATIONS

- L'utilisation de pièces de rechange non originales peut entraîner des dommages, des dysfonctionnements et des accidents aux conséquences graves..
- Pour effectuer certaines des opérations décrites dans ce manuel, des qualifications supérieures à celles de l'utilisateur de vélo moyen sont nécessaires. Si vous ne pouvez pas suivre l'une de ces étapes, apportez votre vélo auprès d'un revendeur Mondraker agréé pour effectuer l'entretien et le remplacement de ses composants. L'installation incorrecte de pièces de rechange peut entraîner des dysfonctionnements, des accidents, des blessures et l'annulation de la garantie.

NETTOYAGE ET ENTRETIEN

- Une fois les pièces démontées, il est recommandé de nettoyer, de graisser et de mettre du frein filet (si nécessaire) sur les composants que vous comptez réutiliser.

LÉGENDE DES SYMBOLES



Frein filet de niveau moyen. Loctite 243 ou similaire.

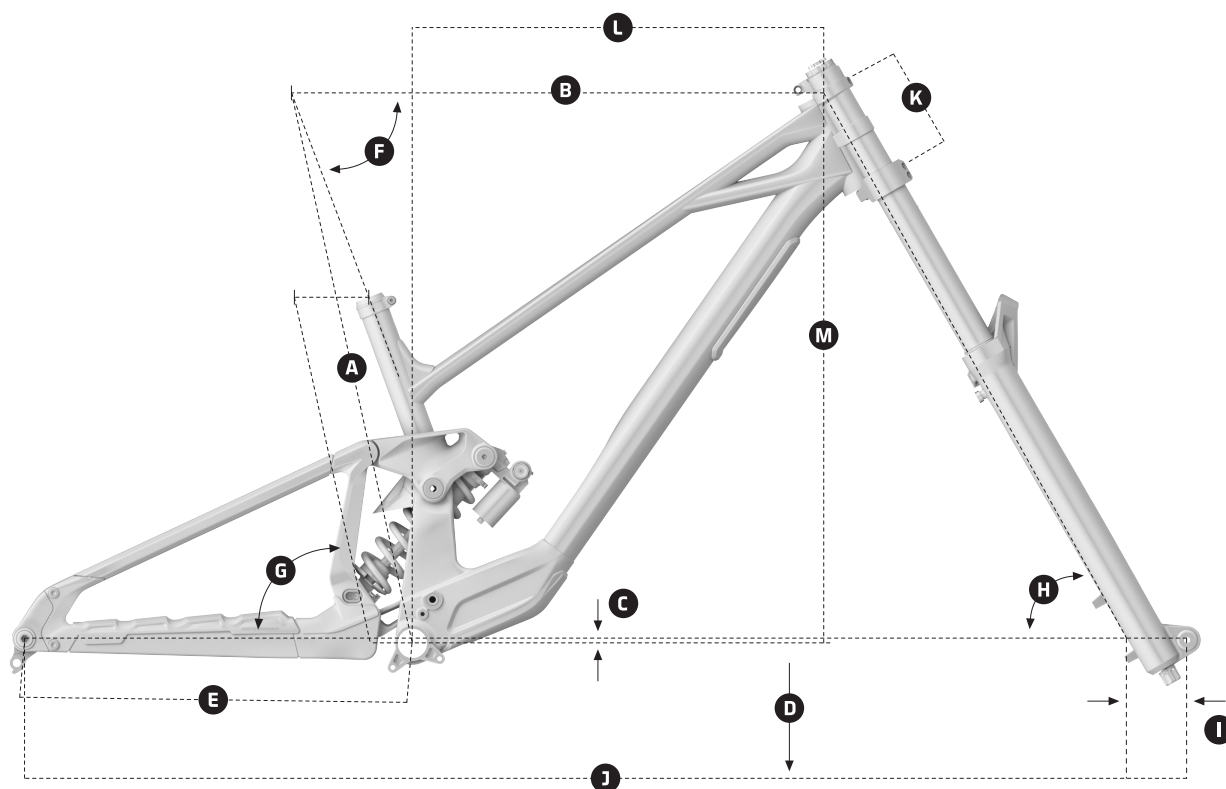


Graisse synthétique de qualité pour montage.



Graisse spéciale de friction pour carbone.

1. GÉOMÉTRIE



SUMMUM

TAILLE DU CADRE		M [STD]	L [STD]	XL [STD]
A	Longueur du tube de selle	400 mm	400 mm	400 mm
B	Longueur du tube supérieur	710 mm	740 mm	770 mm
C	Différence axe boîtier/axe moyeu	-5 mm	-5 mm	-5 mm
D	Hauteur de pédalier	350 mm	350 mm	350 mm
E	Longueur des bases	455 mm	455 mm	455 mm
F	Angle de tube de selle	78°	78°	78°
G	Angle de tube de selle effectif	70°	70°	70°
H	Angle du tube de direction	62,5°	62,5°	62,5°
I	Déport de fourche	52 mm	52 mm	52 mm
J	Empattement	1285,4 mm	1315,4 mm	1345,4 mm
K	Longueur du tube de direction	120 mm	120 mm	120 mm
L	Reach	450 mm	480 mm	510 mm
M	Stack	642,6 mm	642,6 mm	642,6 mm

RÉGLAGE DU REACH PAR CUVETTES +/-5mm · **RÉGLAGE DE LA LONGUEUR DES BASES** +/-5mm · **RÉGLAGE FLIP CHIP AMORTISSEUR** +/-5mm hauteur de boîtier, angles 0,35°



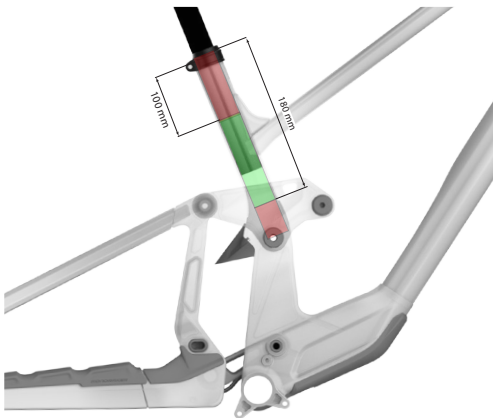
Visitez <https://mondraker.com/wo/fr/frameset-summum-rr-mullet> pour configurer votre géométrie personnalisée et obtenir des données précises selon la position du flip chip, des pattes et des cuvettes de direction.



2. SPÉCIFICATIONS TECHNIQUES DU CADRE

TAILLE DE CADRE	M / L / XL
TAILLE ROUE AVANT (pouces)	29"
AXE AVANT	110mm x 20mm (BOOST)
TAILLE ROUE ARRIÈRE (pouces)	27,5"
AXE ARRIÈRE	157mm x 12mm (DH)
ESSIEU ARRIÈRE	12X157 P1.0 L183 (head 19mm OD)
NOMBRE D'EMPLACEMENTS PORTE-BIDONS	1
BOÎTIER DE PÉDALIER	BSA 83mm
DÉBATTEMENT ARRIÈRE	200mm
AMORTISSEUR ARRIÈRE	225 x 75mm TRUNNION, 30 x 8mm
DÉBATTEMENT AVANT	200mm
DIAMÈTRE DE LA TIGE DE SELLE	31.6mm / 34.9mm
LIGNE DE CHAÎNE DIRECTION	57mm
JEU DE DIRECTION	Onoff DH ARS (Adjustable Reach System) 1-1/8", 1-1/8"
NOMBRE DE DENTS MAXIMAL (PLATEAU)	36T
FREIN ARRIÈRE	POST MOUNT CUSTOM ADAPTER, DIRECT 200 (220mm max with spacer)
DÉGAGEMENT MAXIMAL PNEUS	27'5x2.6

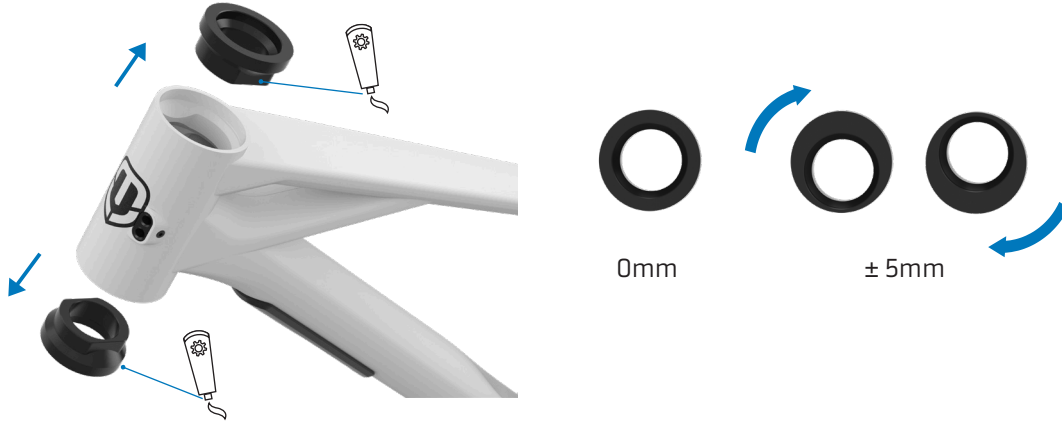
3. PROFONDEUR D'INSERTION DE TIGE



TAILLE CADRE	MIN. (mm)	MAX. (mm)
XL	100	175
L	100	175
M	100	175



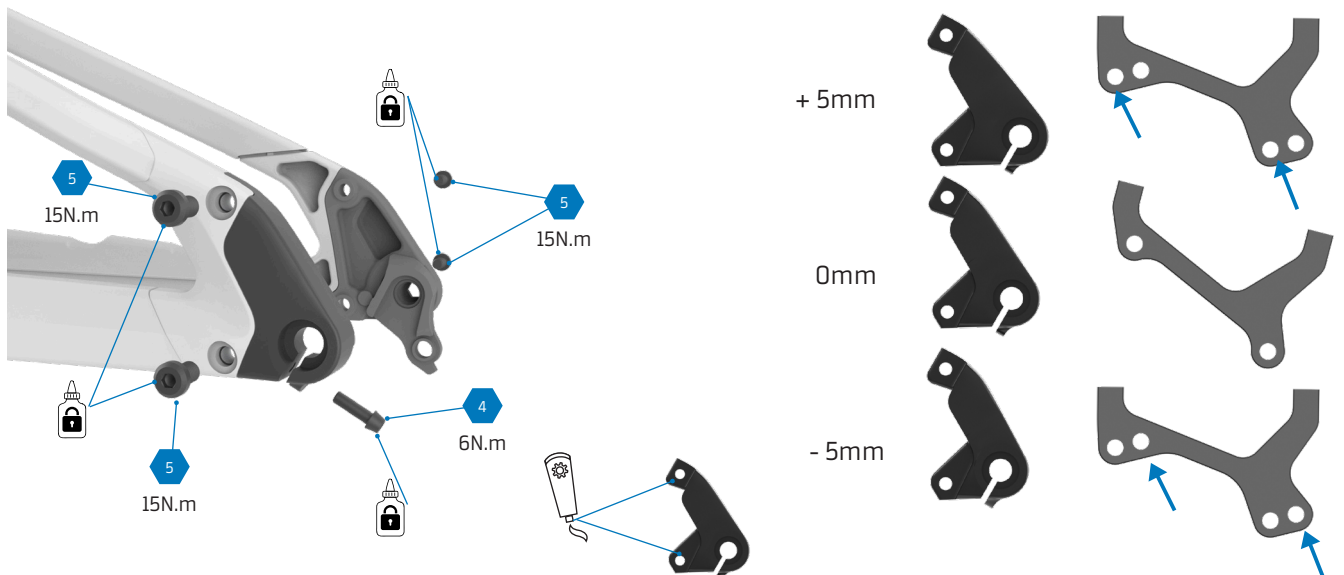
4. CUVETTES DE DIRECTION



! Les cuvettes de direction supérieure et inférieure doivent toujours être installées avec la même orientation de leur excentricité. L'utilisation de ces cuvettes permet de modifier la longueur du reach.

Pour ajuster l'angle de direction, il faut utiliser le système flip chip du cadre. N'oubliez pas d'appliquer une légère couche de graisse de montage sur les surfaces de contact avant l'installation.

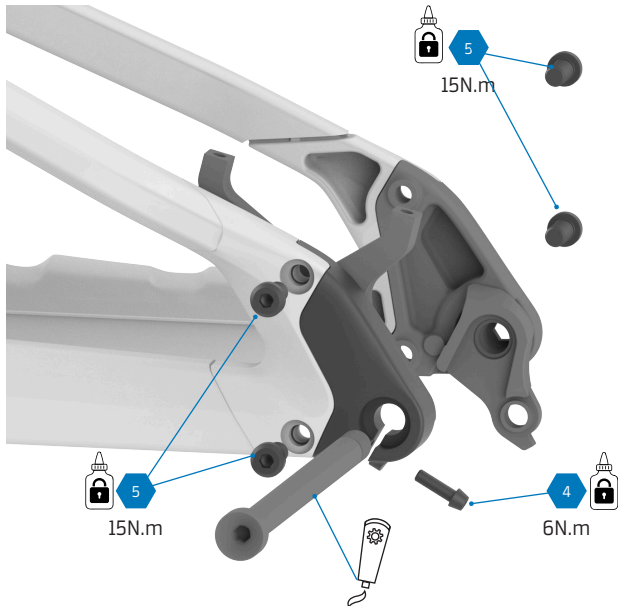
5. PATTES



! Le vélo est livré de série avec des pattes standard. Si vous installez des pattes de plus grande ou plus petite taille, **il est impératif de remplacer également le support de l'étrier de frein**. L'adaptateur standard n'est compatible qu'avec les pattes de série.

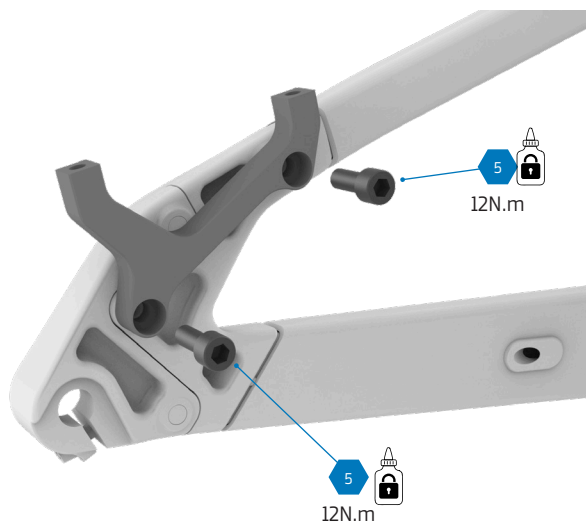
i Visitez <https://mondraker.com/wo/fr/frameset-summum-rr-mullet> pour configurer votre géométrie personnalisée et obtenir des données précises selon la position du flip chip, des pattes et des cuvettes de direction.

6. INSÉRER L'AXE DE ROUE ARRIÈRE



1. Desserrer légèrement les vis des pattes (environ 3/4 de tour) et desserrer la vis de serrage
2. Insérer l'axe et serrer au couple de serrage spécifié.
3. Serrer les vis des pattes au couple de serrage spécifié.
4. Serrer la vis de serrage au couple de serrage spécifié.

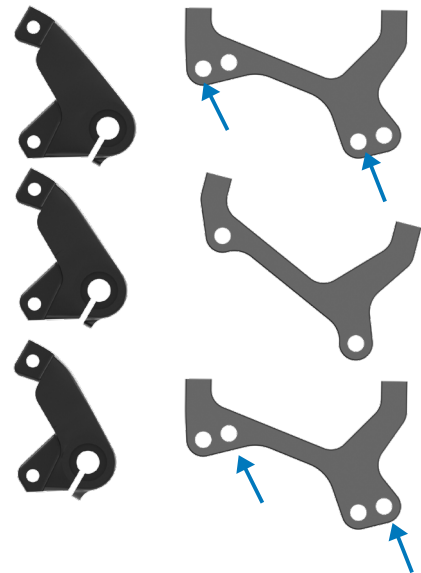
7. ADAPTATEUR DE FREIN



+ 5mm

0mm

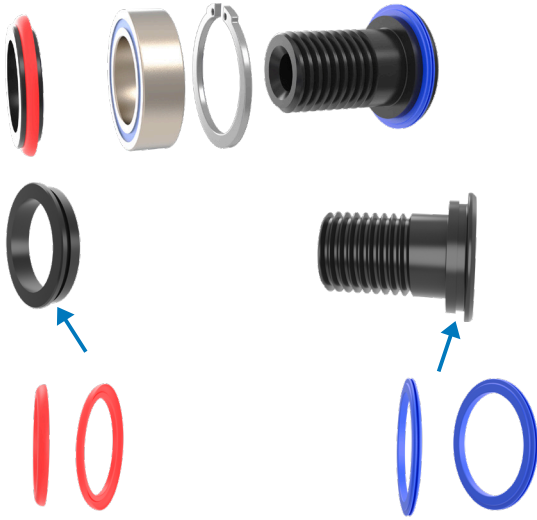
- 5mm



Visitez <https://mondraker.com/wo/fr/frameset-summum-rr-mullet> pour configurer votre géométrie personnalisée et obtenir des données précises selon la position du flip chip, des pattes et des cuvettes de direction.

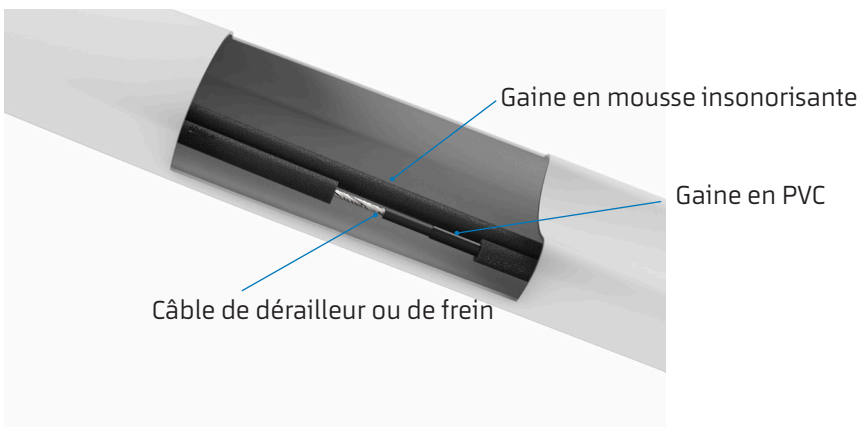
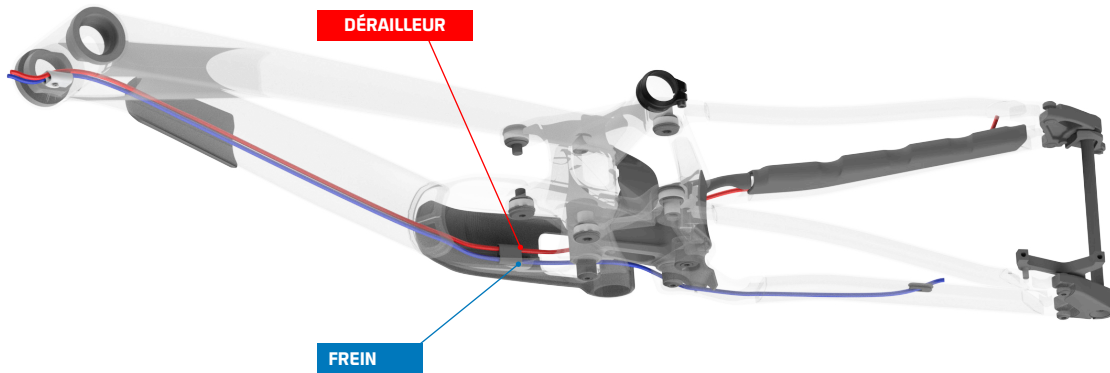


8. JOINTS EN CAOUTCHOUC



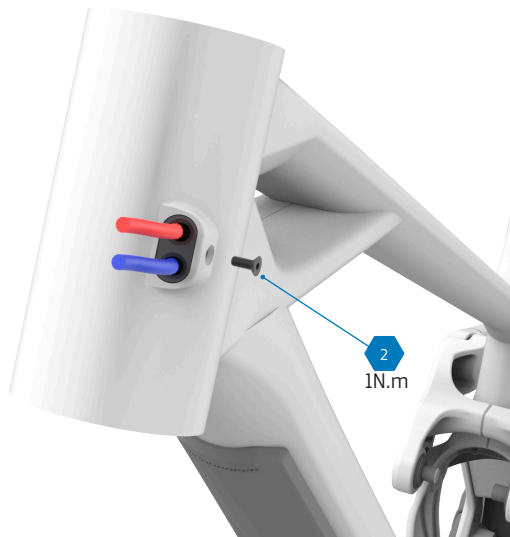
Faites attention à la position et à la forme des joints en caoutchouc. Les couleurs rouge et bleue ont été utilisées pour les différencier, mais en réalité, les joints en caoutchouc sont noirs.

9. PASSAGE INTERNE DES CÂBLES

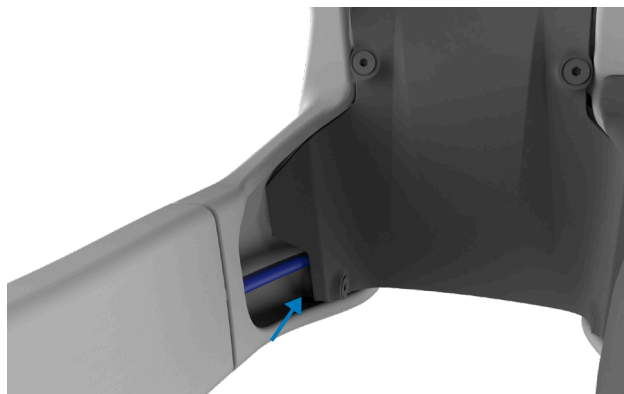
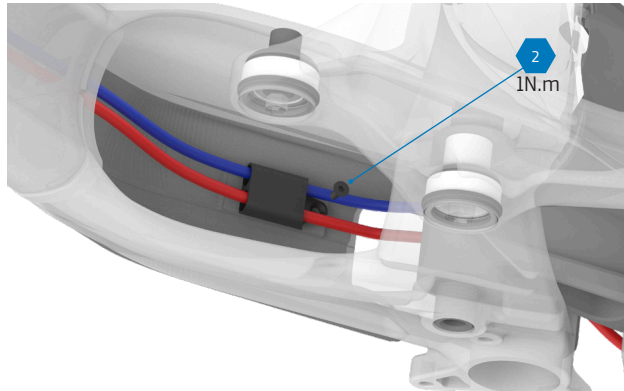




9. PASSAGE INTERNE DES CÂBLES



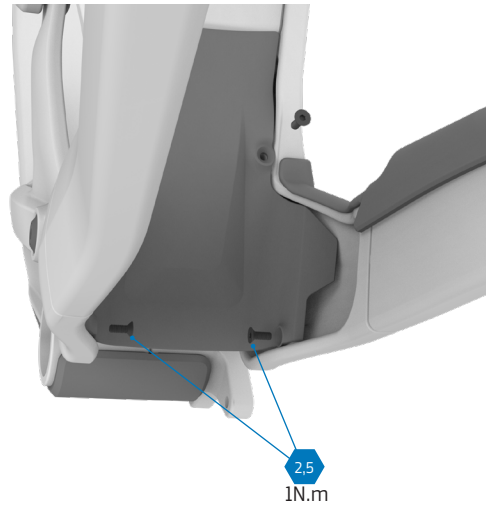
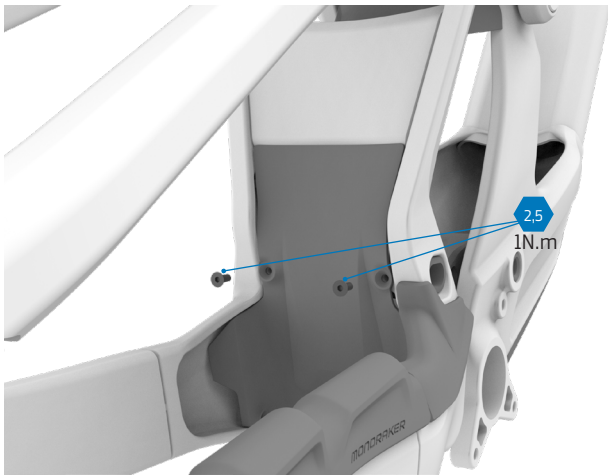
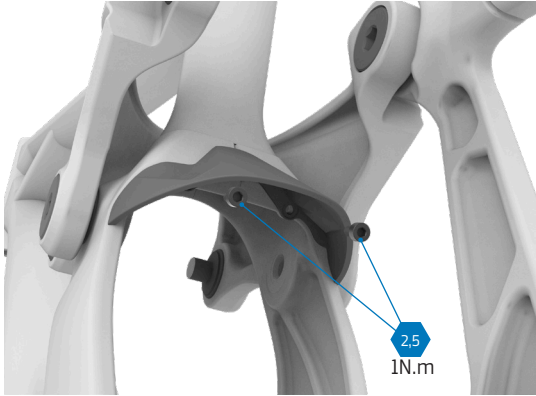
Le passe-câble est fixé au cadre à l'aide de la vis.



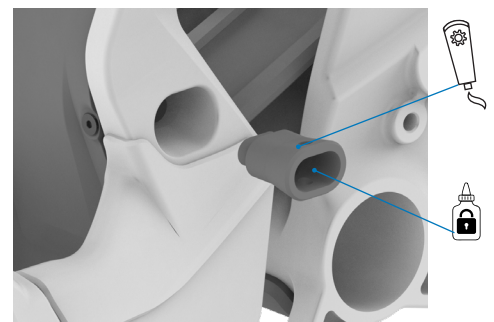
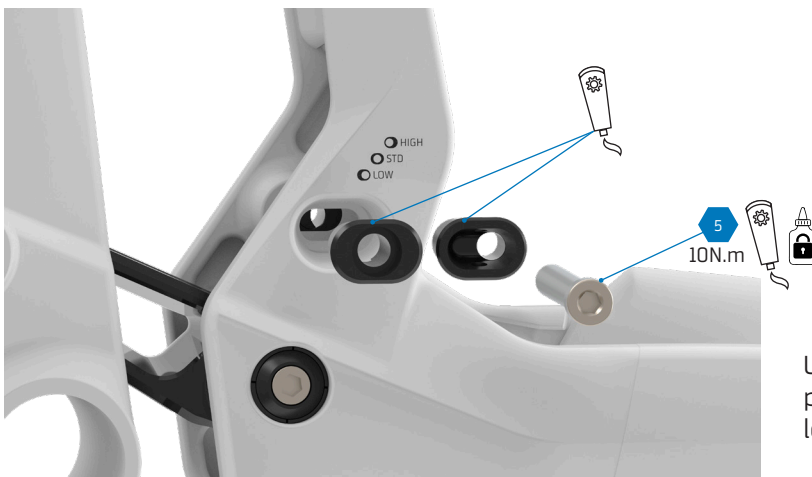
Utilisez l'orifice pour faire passer le câble dans la base arrière.



10. DÉFLECTEURS



11. FLIP CHIP DE FIXATION DE L'AMORTISSEUR



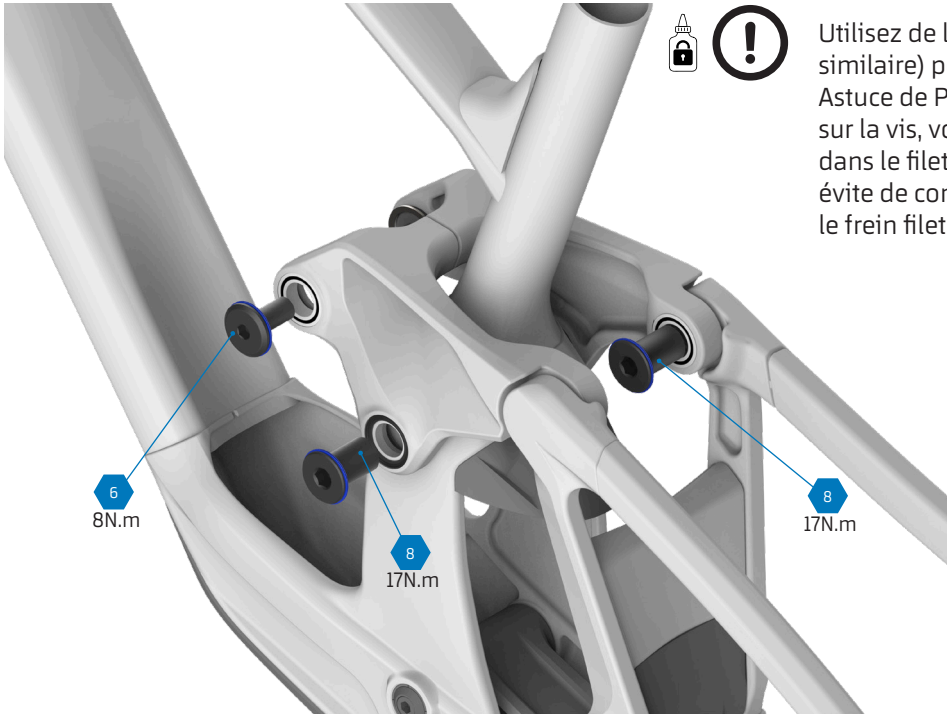
Utilisez de la Loctite 243 (ou un frein filet similaire) pour le filetage, et de la graisse de montage pour les surfaces externes du flip chip.



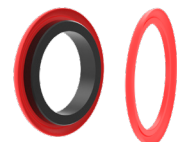
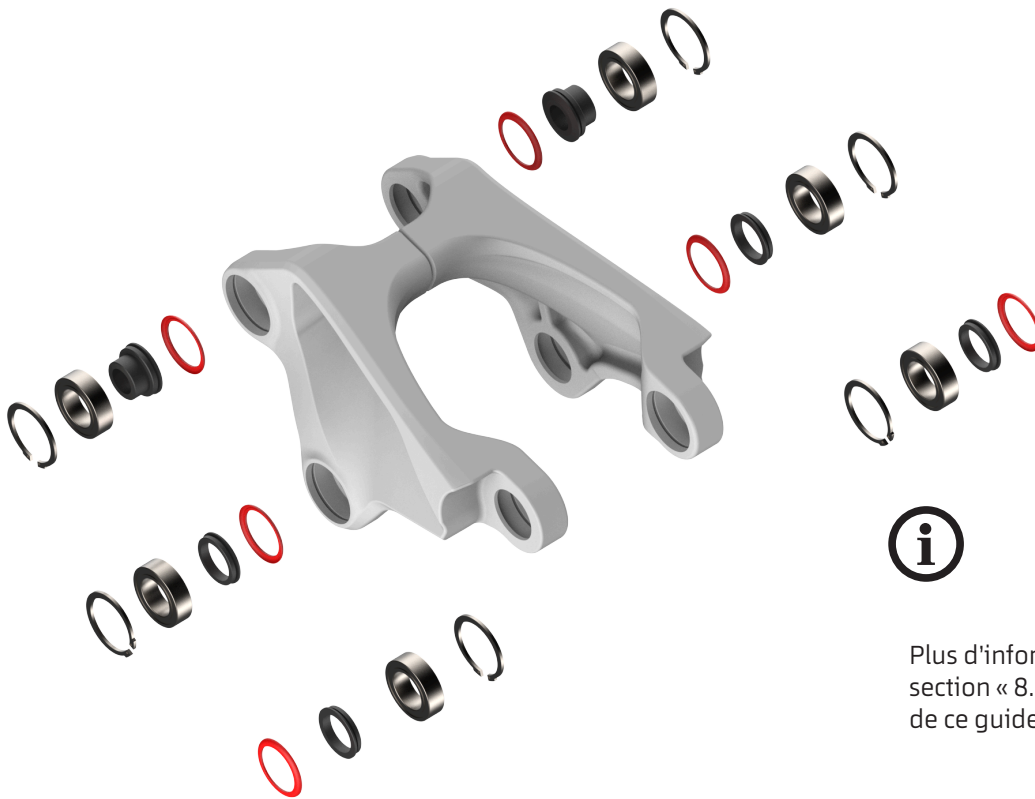
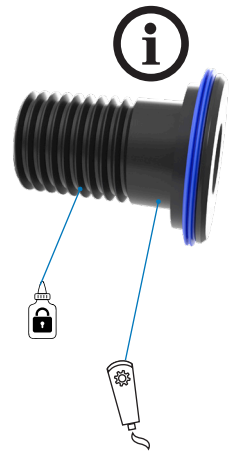
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11. BIELLETTE SUPÉRIEURE



Utilisez de la Loctite 243 (ou un frein filet similaire) pour le filetage.
Astuce de Pro : Au lieu d'appliquer le frein filet sur la vis, vous pouvez le mettre directement dans le filetage interne du cadre du vélo. Cela évite de contaminer les autres composants avec le frein filet lors de l'insertion de la vis.



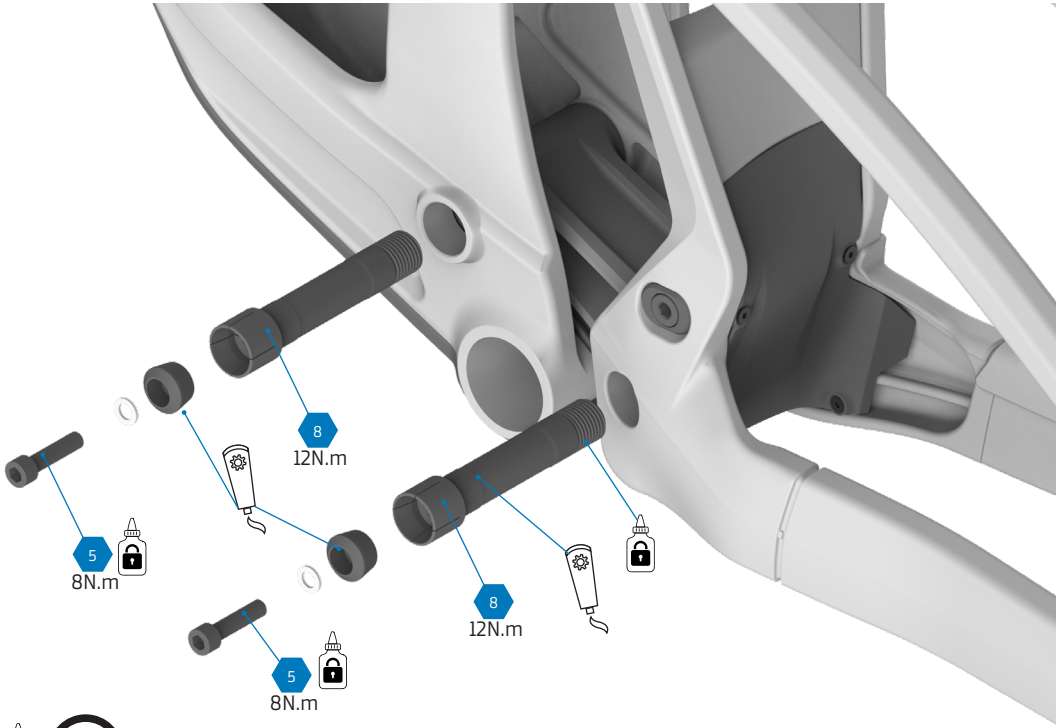
Plus d'informations : Consultez la section « 8. JOINTS EN CAOUTCHOUC » de ce guide.



Utilisez de la graisse de montage pour assembler les composants.



12. BIELLETTE INFÉRIURE



Utilisez de la Loctite 243 (ou un frein filet similaire) pour le filetage.



Utilisez de la graisse de montage pour assembler les composants.



13. POTENCE



+5 mm plaque d'espacement



+5 mm plaque d'espacement



M6 X 50 (x2)



M6 X 40 (x2)



M6 X 30 (x2)



M6 X 20 (x4)

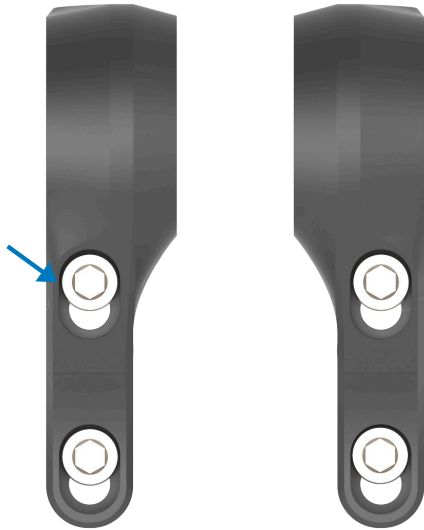


6 N.m

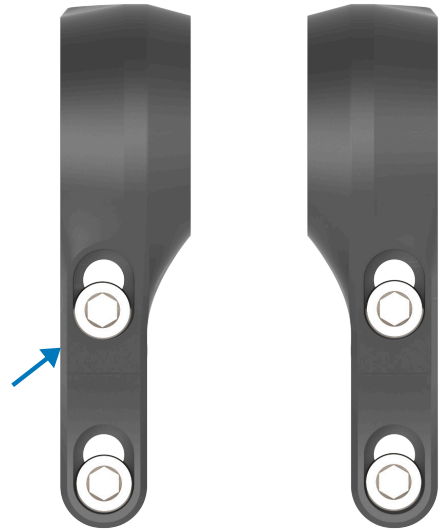
All screws must be tightened to 6 Nm torque force.



13. POTENCE



Potence de 45 mm.



Potence de 50 mm.

RÉGLAGE DU GUIDON



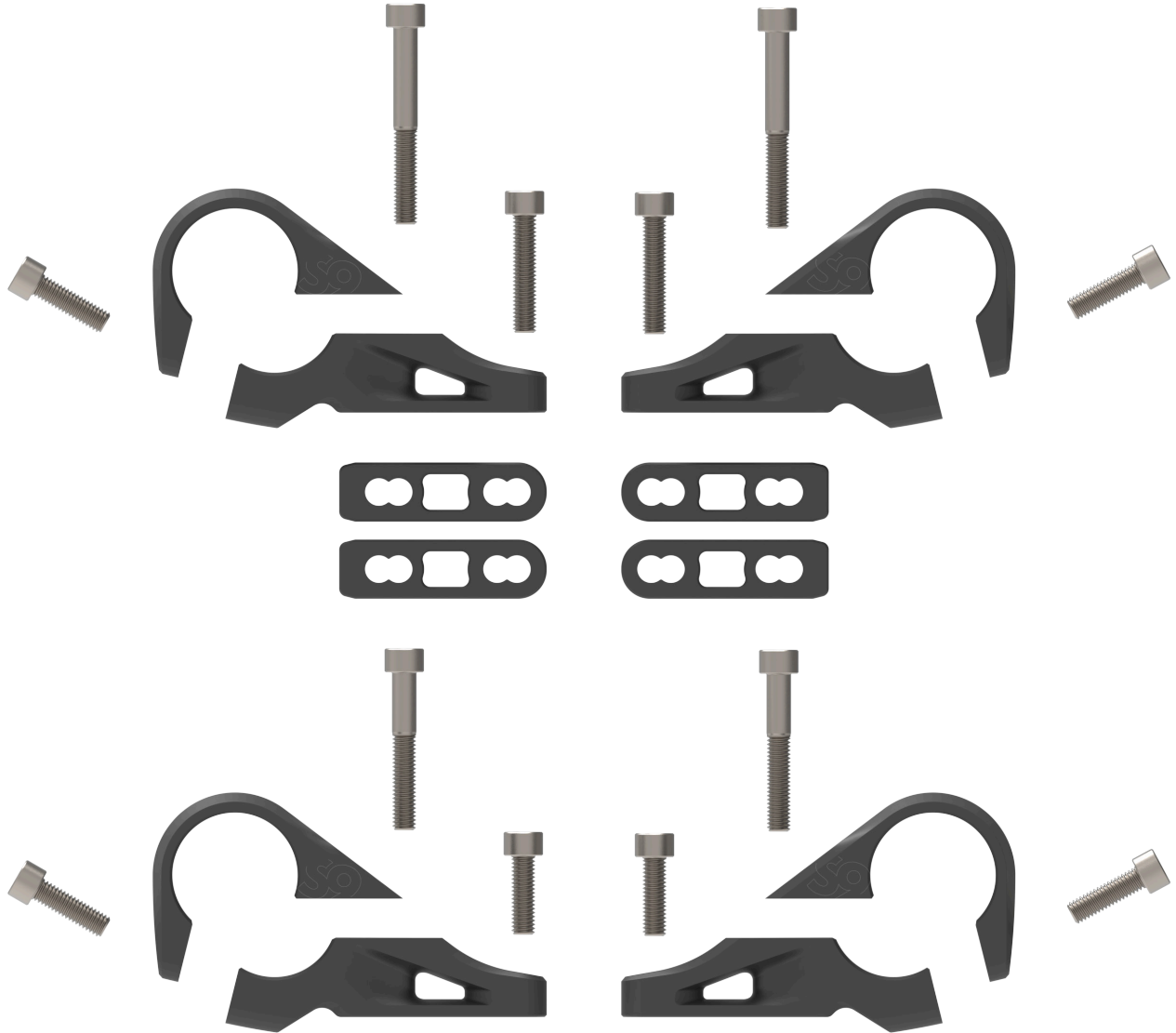
Position confortable.



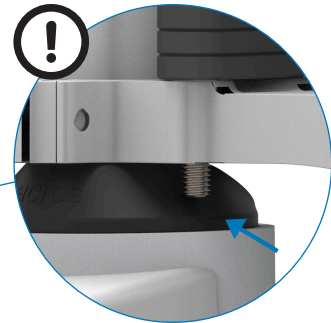
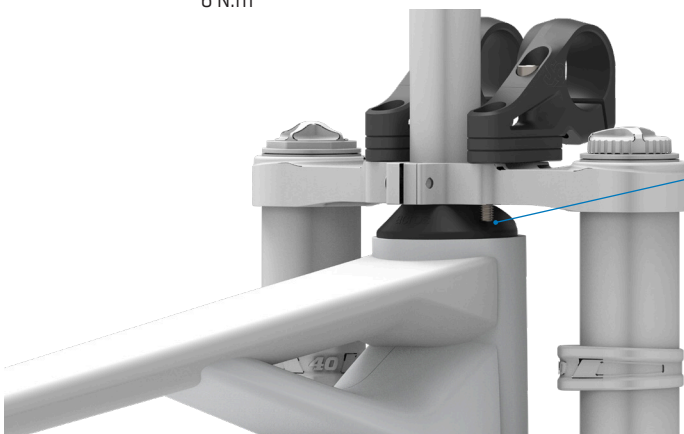
Position stable.



13. POTENCE



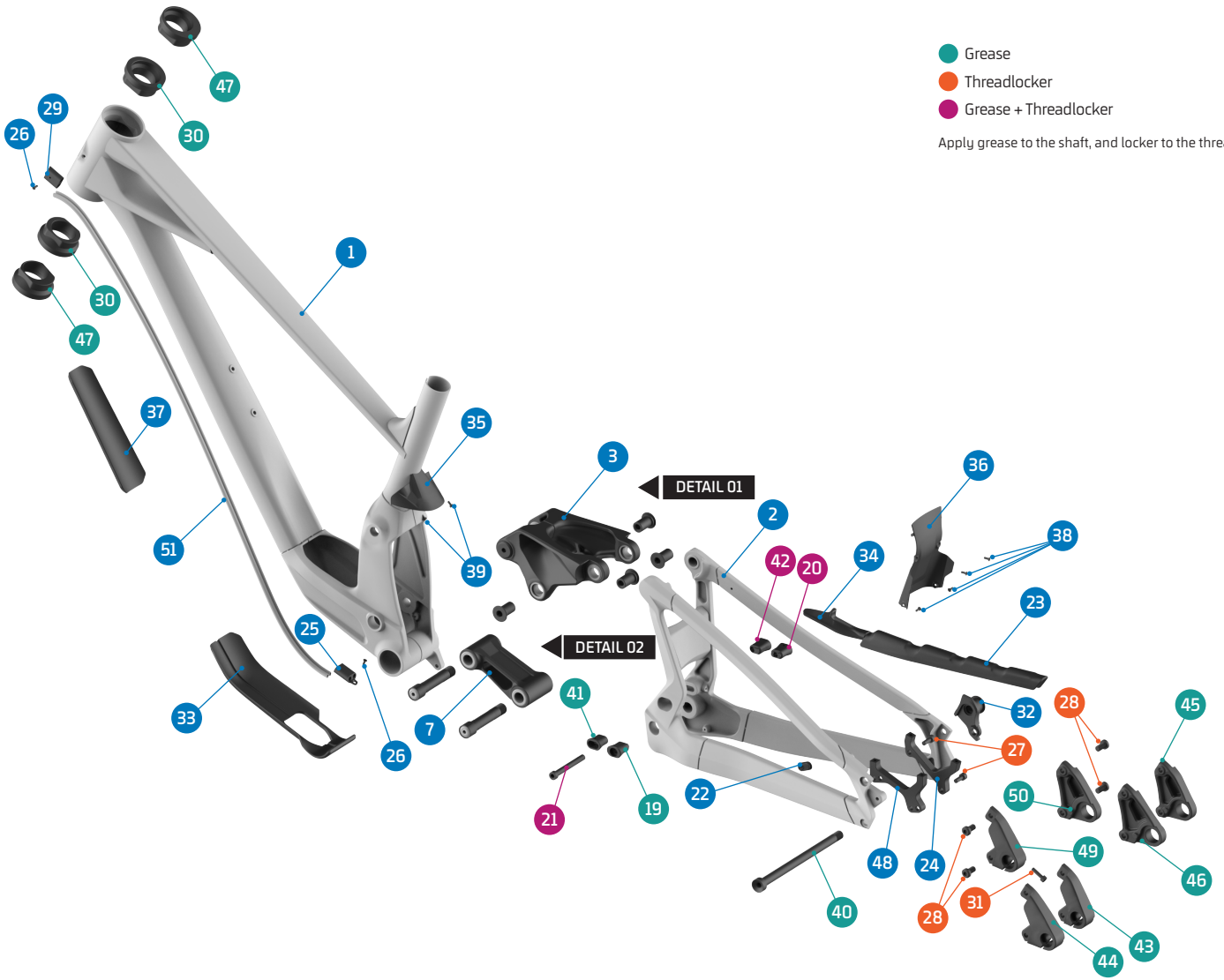
5
6 N.m



Assurez-vous que les vis sont suffisamment longues pour que le filetage prenne complètement.
L'utilisation d'une vis trop longue risque d'endommager le capot du jeu de direction.



14. SPARE PARTS



- Grease
- Threadlocker
- Grease + Threadlocker

Apply grease to the shaft, and locker to the threads

ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
1	FRAME	1		
2	REAR TRIANGLE	1		
3	UPPER LINK	1	Refer to B2B web for color options	
4	PIVOT AXLE, M15	4	SET 3	17Nm
5	SHOCK BOLT	2	SET 2	8Nm
6	BEARING, 24x15x7 3802V-2RS	10	SET 1 / 099.00113	
7	LOWER LINK	1	099.26072	
8	C-RING	6	SET 2 & 3	
9	SPACER, 10x17x6	2	SET 2	
10	PIVOT SEAL, EXTERNAL	10	SET 2,3,4 & 9	
11	PIVOT SEAL, INTERNAL	6	SET 2, 3 & 9	
12	PIVOT WASHER	4	SET 3	
13	PIVOT AXLE, 88L	2	SET 4	12Nm
14	SPACER, 38L	2	SET 4	
15	WASHER, 6x10x1t	2	SET 4	
16	TAPER NUT	2	SET 4	
17	SCREW BOLT, M6x25	2	SET 4	8Nm
18	SPACER, LOWER	4	SET 4	
19	SHOCK FLIPCHIP CENTER	1	099.26073	
20	SHOCK FLIPCHIP DRIVE SIDE CENTER	1	099.26074	
21	SHOCK BOLT, 65L	1	SET 2 / 099.25038	10Nm
22	CABLE RUBBER	1	989.13010	
23	CHAINSTAY PROTECTOR	1	099.25016	
24	DISC MOUNT	1	SET 5	
25	CABLE GUIDE	1	099.22017	
26	SCREW BOLT, M3x8	2	099.20068	1Nm

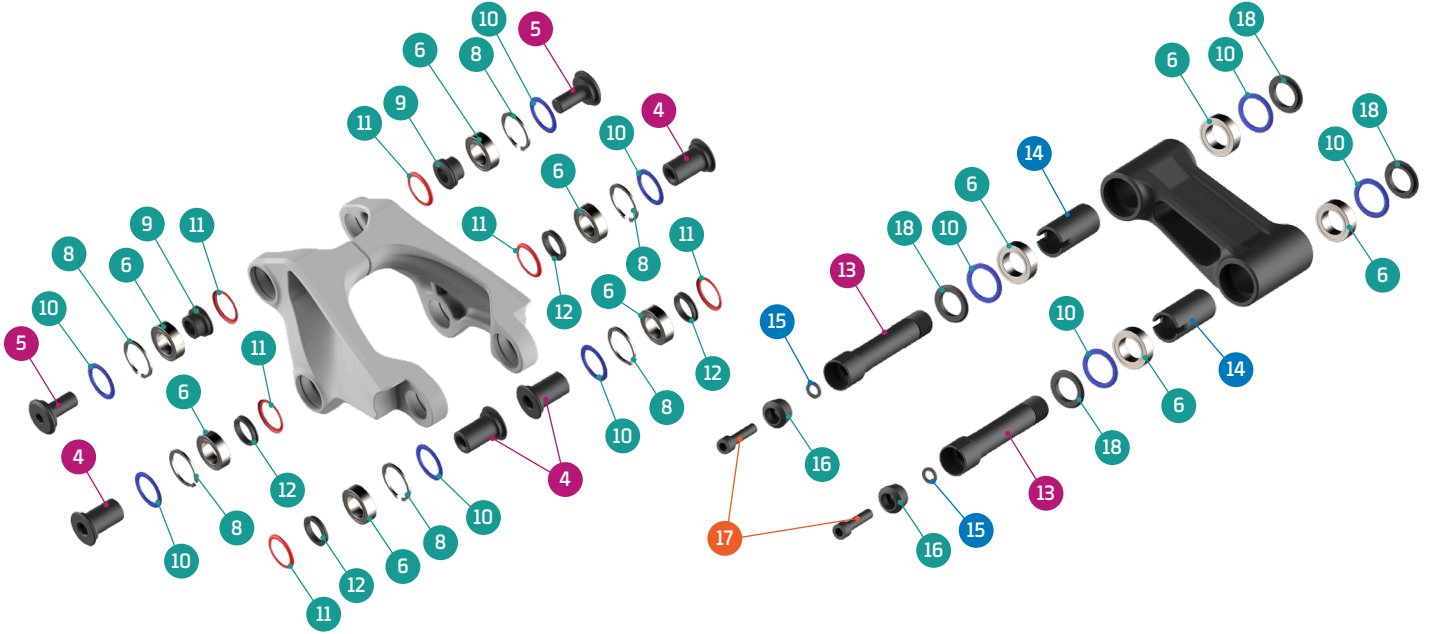
ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
27	SCREW BOLT, M6x15	2	SET 5	12Nm
28	SCREW BOLT, M8x15	4	099.26085	15Nm
29	CABLE GUIDE HEAD SET	1	099.22018	
30	HEADSET CUP CENTER	2	099.26075	
31	SCREW BOLT, M5x18	1	SET 6, 7 & 8	6Nm
32	HANGER	1	SRAM UDH	
33	BOTTOM BRACKET PROTECTOR	1	099.26076	
34	YOKE PROTECTOR	1	099.26077	
35	FT SHOCK FENDER	1	099.26078	
36	RT SHOCK FENDER	1	099.26079	
37	DOWN TUBE PROTECTOR	1	099.26080	
38	SCREW BOLT, M3x8	4	099.20068	1Nm
39	SCREW BOLT, M3x6	2	099.12116	1Nm
40	SUMMUM 26 WHEEL AXLE	1	099.26081	12Nm
41	SHOCK FLIPCHIP HIGH/LOW	1	099.26082	
42	SHOCK FLIPCHIP DRIVE SIDE HIGH/LOW	1	099.26083	
43	DROPOUT -5	1	SET 7	
44	DROPOUT +5	1	SET 8	
45	DROPOUT -5 DRIVE SIDE	1	SET 7	
46	DROPOUT +5 DRIVE SIDE	1	SET 8	
47	HEADSET CUP +/- 5	2	099.26084	
48	DISC MOUNT +/-5	1	099.26086	
49	DROPOUT STANDARD	1	SET 6	
50	DROPOUT STANDARD DRIVE SIDE	1	SET 6	
51	INTERNAL CABLE GUIDE	1	099.21010P	



14. SPARE PARTS

DETAIL 01

DETAIL 02



SET 6

NEUTRAL DROPOUTS KIT



SET 7

MINUS 5 DROPOUTS KIT



SET 8

PLUS 5 DROPOUTS KIT



SET 9

SEALS KIT



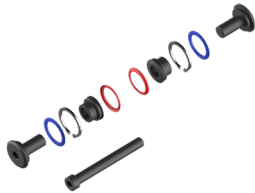
SET 1

ZERO BEARING KIT 25



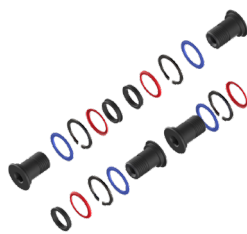
SET 2

SHOCK HARDWARE KIT 24



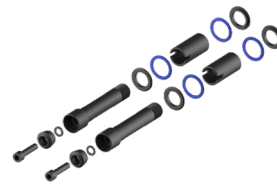
SET 3

UPPER LINK KIT 34



SET 4

LOWER LINK KIT 39



SET 5

DISC ADAPTOR KIT



PART NUMBER	DESCRIPTION	COMPONENTS
099.22100	SET 1: ZERO BEARING KIT 25	BEARING 3802-2RS, 24x15x7 (x10)
099.26202	SET 2: SHOCK HARDWARE KIT 24	PIVOT SEAL INTERNAL (x2) / PIVOT SEAL EXTERNAL (x2) / C-RING (x2) / SPACER, 10x17x6 (x2) / SHOCK BOLT (x2) / SHOCK BOLT, 65 (x1)
099.26300	SET 3: UPPER LINK KIT 34	PIVOT WASHER (x4) / PIVOT SEAL INTERNAL (x4) / PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE, M15 (x4) / C-RING (x4)
099.26401	SET 4: LOWER LINK KIT 39	PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE 88L, (x2) / SCPACER, 38 (x2) / WASHER (x2) / TAPER NUT (x2) / SCREW BOLT, M6X25 (x2) / SCPACER LOWER (x4)
099.25018	SET 5: DISC ADAPTOR KIT	DISC ADAPTOR (x1) / SCREW BOLT (x2)
099.26087	SET 6: NEUTRAL DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT STANDARD (x1) / DROPOUT STANDARD DRIVE SIDE (x1)
099.26088	SET 7: MINUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT -5 (x1) / DROPOUT -5 DRIVE SIDE (x1)
099.26089	SET 8: PLUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT +5 (x1) / DROPOUT +5 DRIVE SIDE (x1)
099.26062	SET 9: SEALS KIT	PIVOT SEAL INTERNAL (x8) / PIVOT SEAL EXTERNAL (x10)



15. CINÉMATIQUE

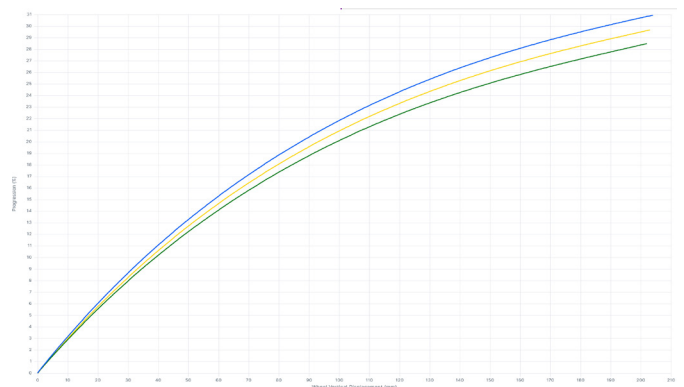
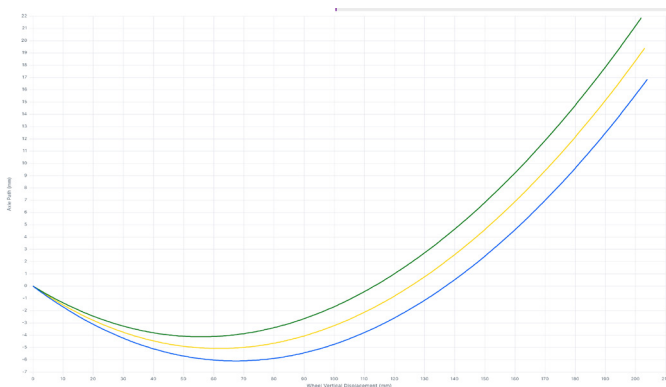
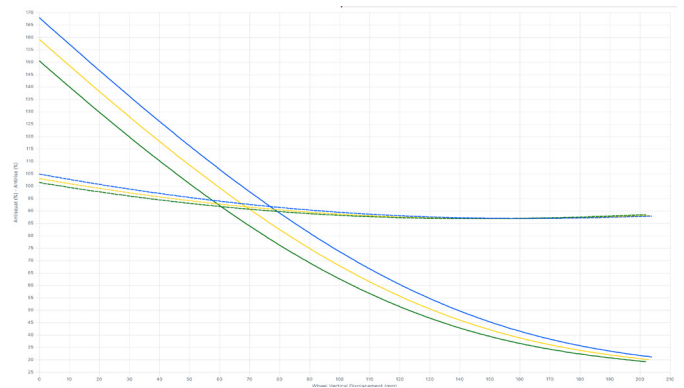
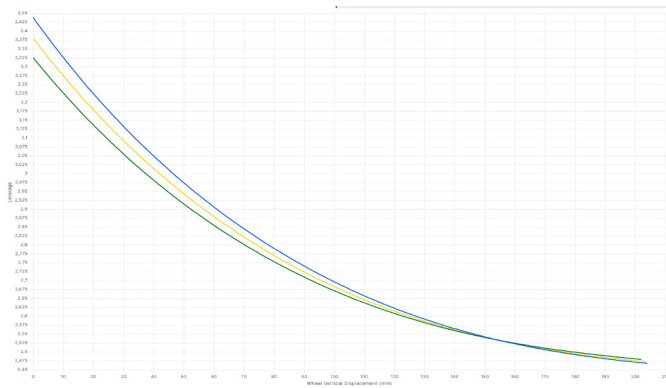
La cinématique du nouveau Summum, ainsi que sa géométrie, reposent en grande partie sur le développement réalisé par le MFR sur le prototype Summum au cours de la saison, en gardant toujours à l'esprit que le panel d'utilisateurs sera beaucoup plus large. Parmi la vaste plage de réglages du prototype Summum, nous avons sélectionné ce qui, selon nous, conviendra au plus grand nombre de profils de pilotes.

Par rapport au prototype Summum d'origine, nous avons apporté quelques modifications afin d'obtenir un ratio d'amortissement plus faible sur les premiers 50 % de la course pour un bon maintien ; à partir de ce point, nous avons augmenté le ratio pour réduire la progressivité et utiliser tout le débattement.

Nous avons conçu un flip chip sur la fixation inférieure de l'amortisseur qui modifie principalement la géométrie, mais aussi le point de départ du ratio d'amortissement et la progressivité de 1,5 %. C'est une petite modification, mais elle peut s'avérer intéressante pour adapter le vélo à différents goûts, terrains ou amortisseurs.

Vous trouverez ici les informations habituelles, puis le réglage «standard» comparé aux différents réglages du flip chip. Jaune = «standard», vert = -3.5 (position basse) et bleu = +3.5 (position haute).

Ressorts recommandés pour l'amortisseur arrière : M 450 lb/in, L 500 lb/in et XL 550 lb/in.





16. FAQ

EST-CE QUE JE PEUX CHANGER LA TAILLE DES ROUES SUR MON SUMMUM ?

Le Summum est conçu selon un format mullet : 29» à l'avant et 27,5» à l'arrière. Nous déconseillons toute autre combinaison de roues en raison des implications pour la géométrie et la cinématique.

EST-CE QUE JE PEUX MONTER DES ROUES AU FORMAT BOOST 12X148 MM SUR LE SUMMUM ?

Non, le Summum n'est compatible qu'avec des moyeux arrière mesurant 12 x 157 mm.

QUELLE EST LA TAILLE MAXIMALE DES DISQUES DE FREIN POUVANT ÊTRE MONTÉS SUR LE SUMMUM ?

Sur ce modèle, vous pouvez monter des disques jusqu'à 220 mm à l'avant comme à l'arrière.

QUELLE EST LA TAILLE MAXIMALE DES PNEUS POUVANT ÊTRE MONTÉS SUR LE SUMMUM ?

Le Summum est compatible avec des pneus jusqu'à 29 x 2,6» à l'avant et 27,5 x 2,6» à l'arrière (section de 66 mm).

QUELS MODÈLES SONT VENDUS AVEC UN KIT DE GÉOMÉTRIE ?

Un kit de géométrie est fourni avec tous les modèles Summum MY26 et ultérieurs, ainsi qu'avec le kit cadre.

QUE CONTIENT LE KIT DE GÉOMÉTRIE FOURNI AVEC LE SUMMUM ?

Le kit fourni avec le Summum ou le kit cadre comprend les pièces suivantes :

- Deux jeux de cuvettes de direction pour ajuster le reach : +5 mm / 0 / -5 mm
- Un flip-chip excentrique pour régler la position de l'amortisseur
- Deux pattes supplémentaires pour modifier la longueur des bases : +5 mm / -5 mm

Ce kit te permet d'adapter facilement, et à tout moment, la configuration de ton vélo en fonction de tes préférences ou du terrain.

LE FLIP-CHIP COMPORTE MAINTENANT TROIS POSITIONS DE RÉGLAGE. COMMENT EST-CE QUE ÇA FONCTIONNE ?

Pour changer la position du flip-chip, il suffit de le remplacer par l'autre flip-chip excentrique inclus dans le kit de géométrie, à l'aide du boulon inférieur de l'amortisseur. Ces pièces et leurs possibilités de déport te permettent de passer d'une position de géométrie HIGH à LOW et inversement. Le flip-chip de l'amortisseur est réglé de série en position centrale.



16. FAQ

COMMENT LES TROIS POSITIONS DE RÉGLAGE DU FLIP-CHIP MODIFIENT-ELLES LA GÉOMÉTRIE ?

Le flip-chip de l'amortisseur comporte trois positions : HIGH, STANDARD et LOW. Elles permettent de modifier la hauteur du boîtier de pédalier de +5 mm / 0 / -5 mm, ce qui est le changement de géométrie le plus visible. Cela entraîne également une modification de l'angle de direction de 0,35 ° (-0,35 ° en position LOW ; +0,35 ° en position HIGH), ainsi qu'une légère modification du reach de 4 mm (-4 mm en position LOW ; +4 mm en position HIGH).

QUELS AMORTISSEURS SONT COMPATIBLES AVEC LE SUMMUM MY26 ?

Le modèle Summum est compatible avec la plupart des amortisseurs disponibles sur le marché qui répondent aux spécifications suivantes :

- Dimensions 225 x 75 mm
- Fixation haute Trunnion
- Douille inférieure et pièces 30 x 8 mm

QUELS TYPES DE TRANSMISSION SONT COMPATIBLES AVEC CE NOUVEAU MODÈLE SUMMUM ?

Le cadre Summum est conçu pour être utilisé avec des dérailleurs à montage direct T-Type ou des dérailleurs à patte de type UDH. Tu peux donc monter la plupart des dérailleurs arrière disponibles sur le marché.

CE MODÈLE SUMMUM EST-IL COMPATIBLE AVEC LES FOURCHES À SIMPLE COURONNE ?

Le Summum est conçu pour les fourches à double couronne avec un tube de direction 1-1/8». En règle générale, les fourches à simple couronne comportent un tube conique 1-1/8» – 1-1/2» qui n'est pas compatible avec le jeu de direction ARS (Adjustable Reach System).

À QUOI SERT LA FIXATION SUR LE TUBE PRINCIPAL ?

Ce vélo étant conçu pour la compétition, nous pensons que beaucoup de riders utiliseront un système de télémétrie en course, d'où la présence d'un emplacement prévu pour le fixer. Cependant, tu peux tout aussi bien monter un porte-bidon pour transporter un bidon ou des pièces de rechange pour tes sorties les plus ambitieuses.

SI JE MODIFIE LA LONGUEUR DES PATTES EN LES REMPLAÇANT PAR CELLES FOURNIES AVEC LE KIT DE GÉOMÉTRIE, EST-CE QUE JE DOIS MODIFIER AUTRE CHOSE ?

Si tu installes les pattes LONG + 5 mm ou SHORT -5 mm, il faut aussi installer l'adaptateur de frein multi-positions pour que l'étrier de frein et l'axe de la roue arrière conservent le même rapport de distance.



16. FAQ

LE GUIDE-CHAÎNE DU SUMMUM EST-IL UN MODÈLE SPÉCIFIQUE ?

Le guide-chaîne est à fixation ISCG 05 avec un guide supérieur court, car un guide supérieur long risquerait d'être incompatible et d'interférer avec le cadre.

QUELLE TAILLE DE VÉLO ME FAUT-IL ?

Le Summum est un modèle avec de nombreuses possibilités de réglages : tu peux donc expérimenter avec le kit de géométrie pour trouver la configuration qui te convient. La bonne taille dépend aussi de tes compétences et préférences en pilotage (par exemple si tu privilégies un vélo plus stable, ou plus joueur et maniable).

COMMENT LES COUPELLES DE RÉGLAGE DU REACH SONT-ELLES INSTALLÉES SUR LE SUMMUM ?

Le système ARS (Adjustable Reach System) est conçu pour changer facilement et rapidement les coupelles de direction, qui peuvent être installées et retirées à la main. Il est important de positionner les deux coupelles dans la même position de reach, en haut comme en bas.



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MANUALI E DOCUMENTI



ISTRUZIONI GENERALI DI SICUREZZA

In questo manuale tecnico vengono utilizzati i seguenti 3 simboli. Questi simboli servono per prestare attenzione alle seguenti precauzioni:

PERICOLO:

Non seguire le indicazioni o utilizzare la bicicletta in modo improprio poiché potrebbero causare lesioni gravi o letali. Queste mansioni comportano difficoltà tecniche e, se sono eseguite male, potrebbero danneggiare la bicicletta o comportare l'annullamento della garanzia.

ATTENZIONE!

Non seguire le indicazioni o utilizzare la bicicletta in modo improprio può causare lesioni lievi. Queste mansioni comportano difficoltà tecniche e, se sono eseguite male, potrebbero danneggiare la bicicletta o comportare l'annullamento della garanzia.

INFORMAZIONI

Informazioni indispensabili per una corretta esecuzione dei procedimenti per evitare eventuali danni della bicicletta o perdita della garanzia, ma che non comportano alcun rischio per la persona.

ALTRE CONSIDERAZIONI

- L'uso di ricambi non originali può causare danni, malfunzionamenti e incidenti che possono portare a gravi conseguenze.
- Per eseguire i passaggi descritti in questo manuale, sono richieste competenze che vanno ben oltre le conoscenze di un'utilizzatore medio di bicicletta. Nel caso in cui non si è qualificati per seguire una delle seguenti indicazioni, si prega di portare la bicicletta presso un servizio tecnico autorizzato Mondraker per la manutenzione e la sostituzione dei suoi componenti. L'installazione errata dei pezzi di ricambio può causare malfunzionamenti, incidenti, lesioni e l'annullamento della garanzia.

PULIZIA E CURA

- Non appena i pezzi sono stati smontati, si consiglia di pulire, ingrassare e mettere il frenafili (se necessario) sui componenti che verranno riutilizzati.

LEGENDA DEI SIMBOLI



Fissatore per filettature di grado medio. Loctite 243 o simile.



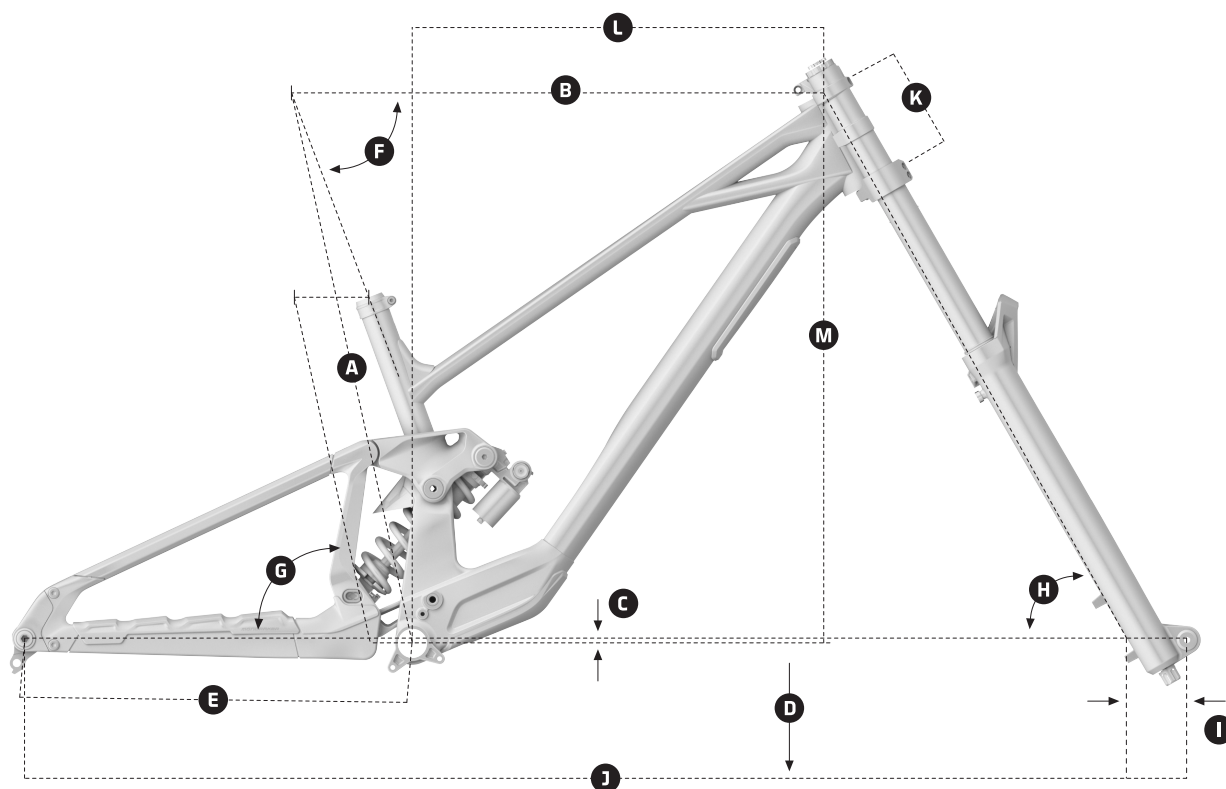
Grasso sintetico di qualità per il montaggio.



Grasso speciale carbonio per creare attriti.



1. GEOMETRIA



SUMMUM

DIMENSIONE DEL TELAIO	M [STD]	L [STD]	XL [STD]
A Lunghezza Piantone	400 mm	400 mm	400 mm
B Lunghezza Tubo Orizz. Virtuale	710 mm	740 mm	770 mm
C BB Drop	-5 mm	-5 mm	-5 mm
D Altezza movimento centrale	350 mm	350 mm	350 mm
E Lunghezza Batticateni	455 mm	455 mm	455 mm
F Angolo tubo sella	78°	78°	78°
G Angolo Sella	70°	70°	70°
H Angolo Sterzo	62,5°	62,5°	62,5°
I Offset Forcella / Rake	52 mm	52 mm	52 mm
J Interasse	1285,4 mm	1315,4 mm	1345,4 mm
K Lunghezza Tubo Sterzo	120 mm	120 mm	120 mm
L Reach	450 mm	480 mm	510 mm
M Stack	642,6 mm	642,6 mm	642,6 mm

REGOLAZIONE REACH TRAMITE CALOTTE +/-5mm · **REGOLAZIONE LUNGHEZZA FODERI BASSI** +/-5mm · **REGOLAZIONE FLIP CHIP AMMORTIZZATORE** +/-5mm altezza movimento centrale, angoli 0,35°



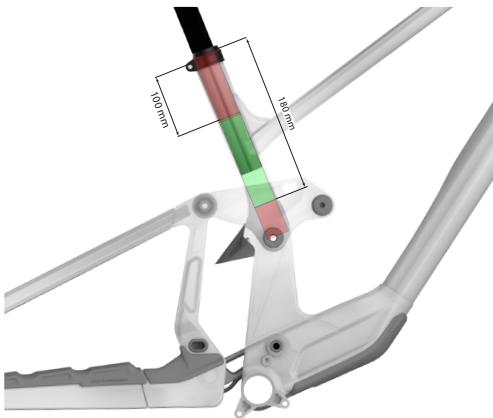
Visita <https://mondraker.com/wo/it/frameset-summum-rr-mullet> per configurare la tua geometria personalizzata e ottenere dati precisi in base alla posizione del flip chip, dei forcellini e delle calotte sterzo.



2. SPECIFICHE DEL TELAIO DELLA BICICLETTA

TAGLIE TELAIO	M / L / XL
DIMENSIONE RUOTA ANTERIORE	29"
MOZZO ANTERIORE	110mm x 20mm (BOOST)
DIMENSIONE RUOTA POSTERIORE	27,5"
MOZZO POSTERIORE	157mm x 12mm (DH)
ASSE POSTERIORE	12X157 P1.0 L183 (head 19mm OD)
ATTACCHI PORTABORRACCE / RANGE EXTENDER	1
MOVIMENTO CENTRALE	BSA 83mm
ESCURSIONE POSTERIORE	200mm
AMMORTIZZATORI POSTERIORI	225 x 75mm TRUNNION, 30 x 8mm
ESCURSIONE ANTERIORE	200mm
DIAMETRO REGGISELLA	31.6mm / 34.9mm
LINEA CATENA	57mm
STERZO	Onoff DH ARS (Adjustable Reach System) 1-1/8", 1-1/8"
DIMENSIONE CORONA MASSIMA	36T
FRENO POSTERIORE	POST MOUNT CUSTOM ADAPTER, DIRECT 200 (220mm max with spacer)
DIMENSIONE MASSIMA RUOTA COMPATIBILE	27'5x2.6

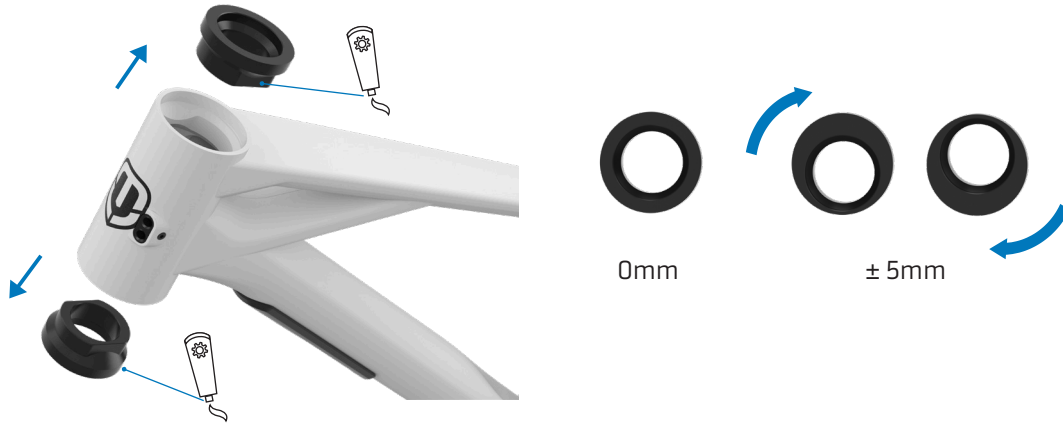
3. PROFONDITÀ INSERIMENTO REGGISELLA



TAGLIA TELAIO	MIN. (mm)	MAX. (mm)
XL	100	175
L	100	175
M	100	175



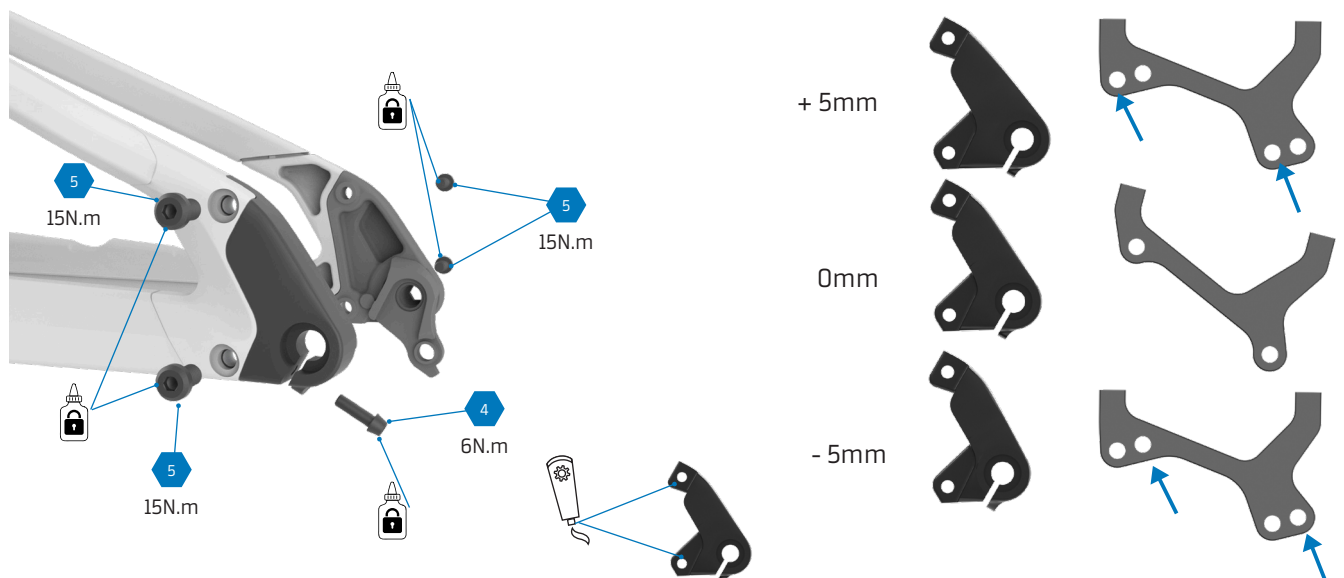
4. CALOTTE SERIE STERZO



! Le calotte della serie sterzo superiore e inferiore devono essere sempre installate con lo stesso orientamento della loro eccentricità. L'utilizzo di queste calotte permette di modificare la lunghezza del reach.

Per regolare l'angolo di sterzo, deve essere utilizzato il sistema flip chip del telaio. Ricordate di applicare un leggero strato di grasso di montaggio sulle superfici di contatto prima dell'installazione.

5. FORCELLINI

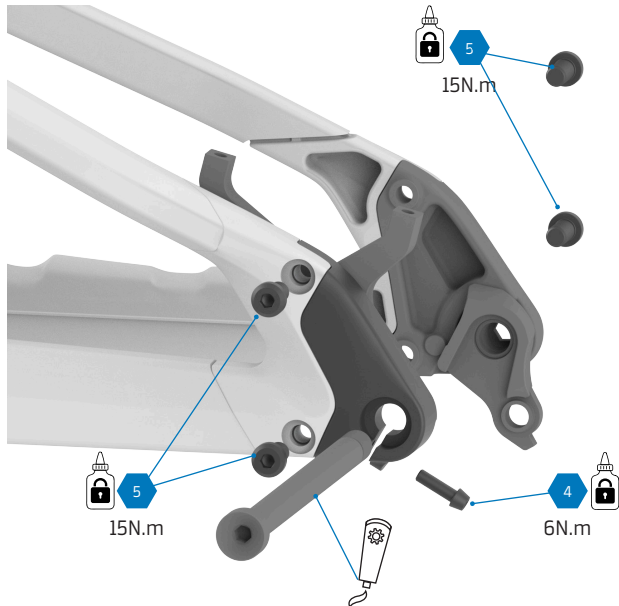


! La bicicletta viene fornita di serie con forcellini standard. Se si installano forcellini di dimensioni maggiori o minori, è **indispensabile sostituire anche il supporto della pinza freno**. L'adattatore standard è compatibile solo con i forcellini di serie.

i Visita <https://mondraker.com/wo/it/frameset-summum-rr-mullet> per configurare la tua geometria personalizzata e ottenere dati precisi in base alla posizione del flip chip, dei forcellini e delle calotte sterzo.

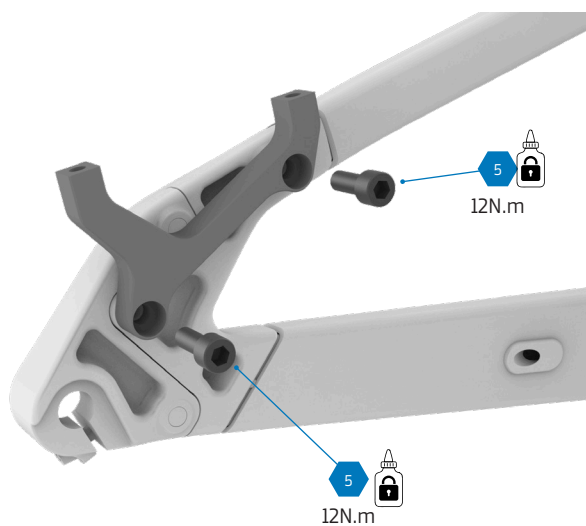


6. INSERIRE IL PERNO RUOTA POSTERIORE



1. Allentare leggermente le viti dei forcellini (circa 3/4 di giro) e allentare la vite di bloccaggio.
2. Inserire il perno e serrare alla coppia di serraggio specificata.
3. Serrare le viti dei forcellini alla coppia di serraggio specificata.
4. Serrare la vite di bloccaggio alla coppia di serraggio specificata.

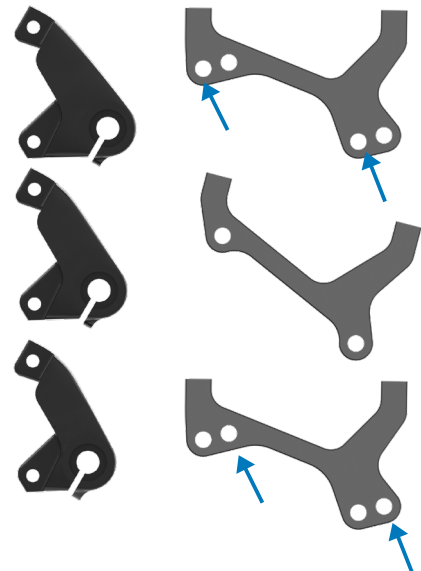
7. ADATTATORE FRENO



+ 5mm

0mm

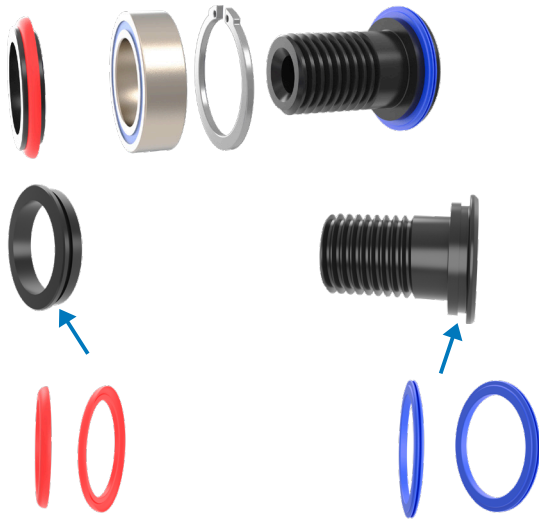
- 5mm



Visita <https://mondraiker.com/wo/it/frameset-summum-rr-mullet> per configurare la tua geometria personalizzata e ottenere dati precisi in base alla posizione del flip chip, dei forcellini e delle calotte sterzo.

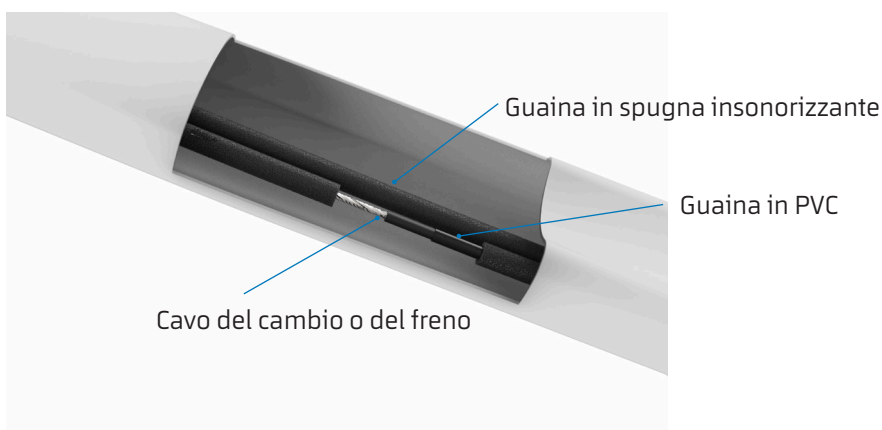
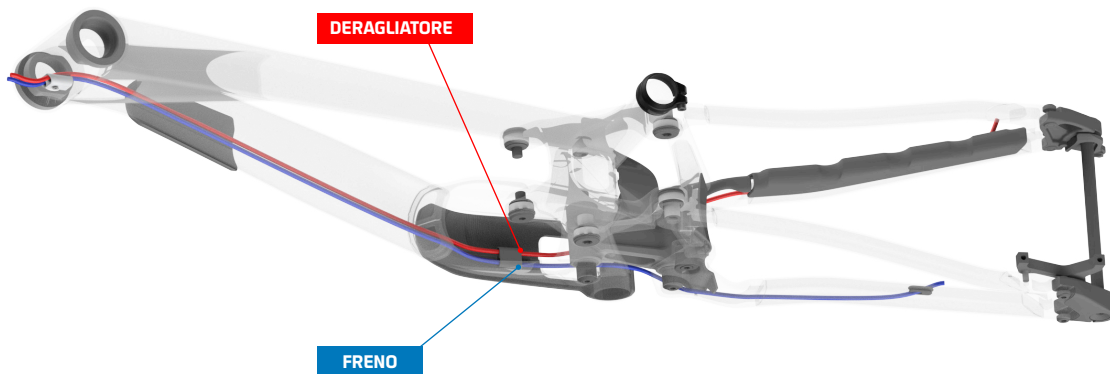


8. GUARNIZIONI IN GOMMA



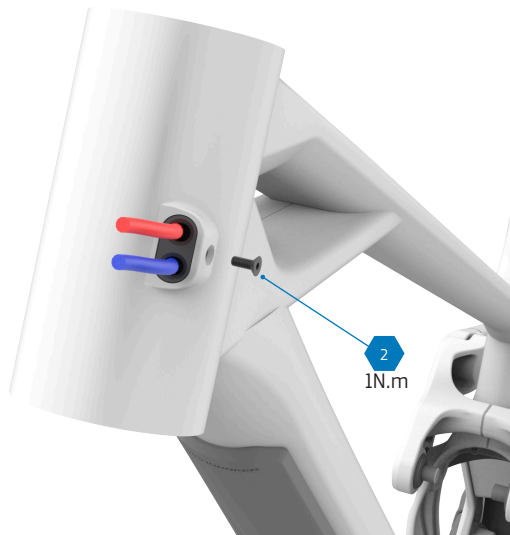
Presti attenzione alla posizione e alla forma delle guarnizioni in gomma. Sono stati utilizzati i colori rosso e blu per differenziarli, ma in realtà le guarnizioni in gomma sono nere.

9. PASSAGGIO CAVI INTERNO

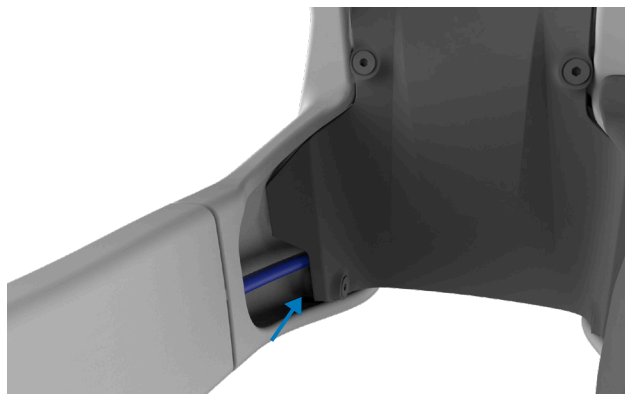
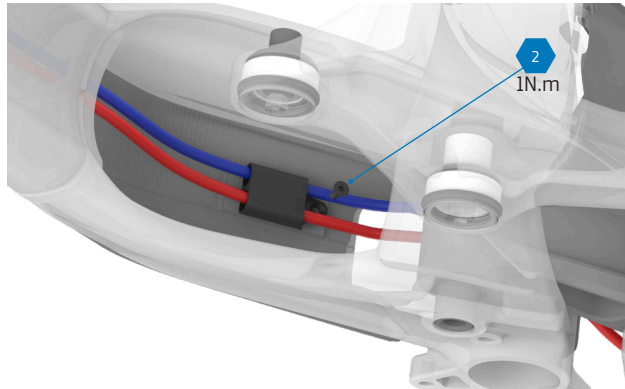




9. PASSAGGIO CAVI INTERNO



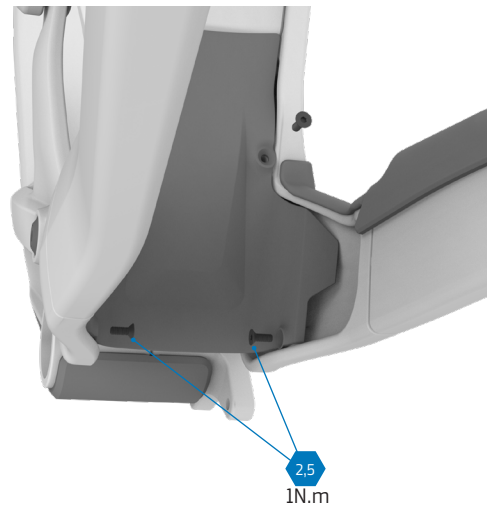
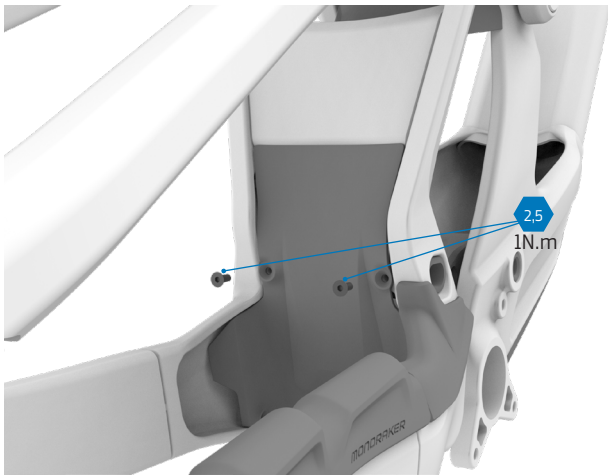
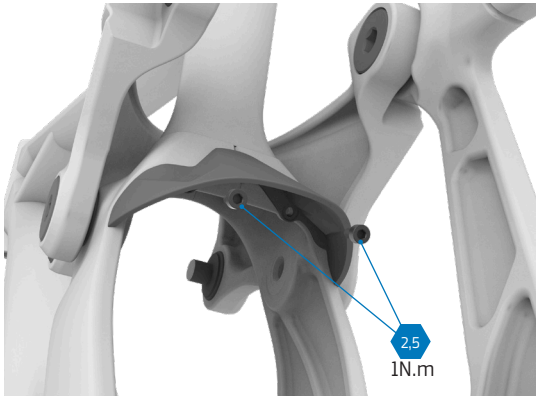
Il passacavo viene fissato al telaio tramite la vite.



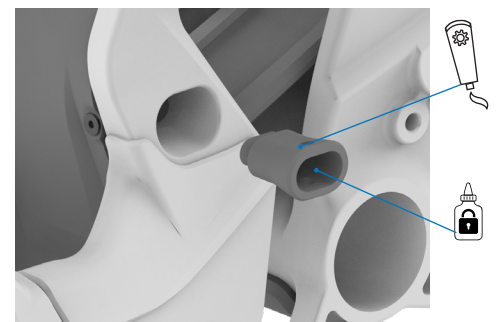
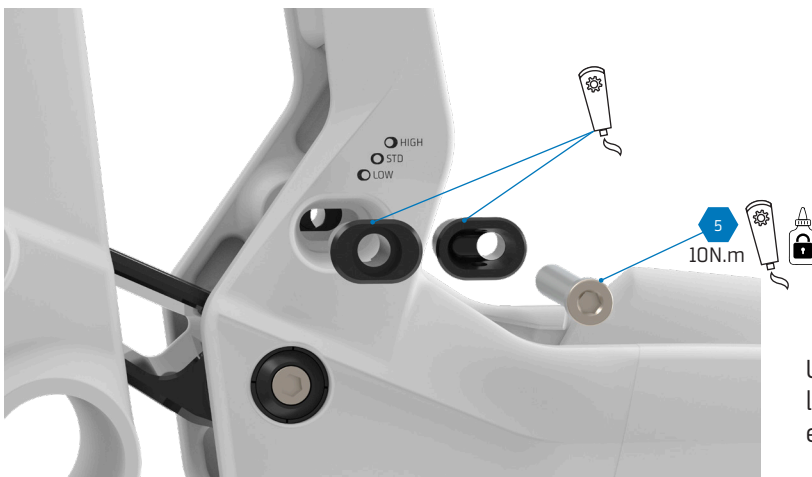
Utilizzare l'apertura per far passare il cavo nel fodero basso.



10. DEFLETTORI



11. FLIP CHIP DEL PERNO DELL'AMMORTIZZATORE



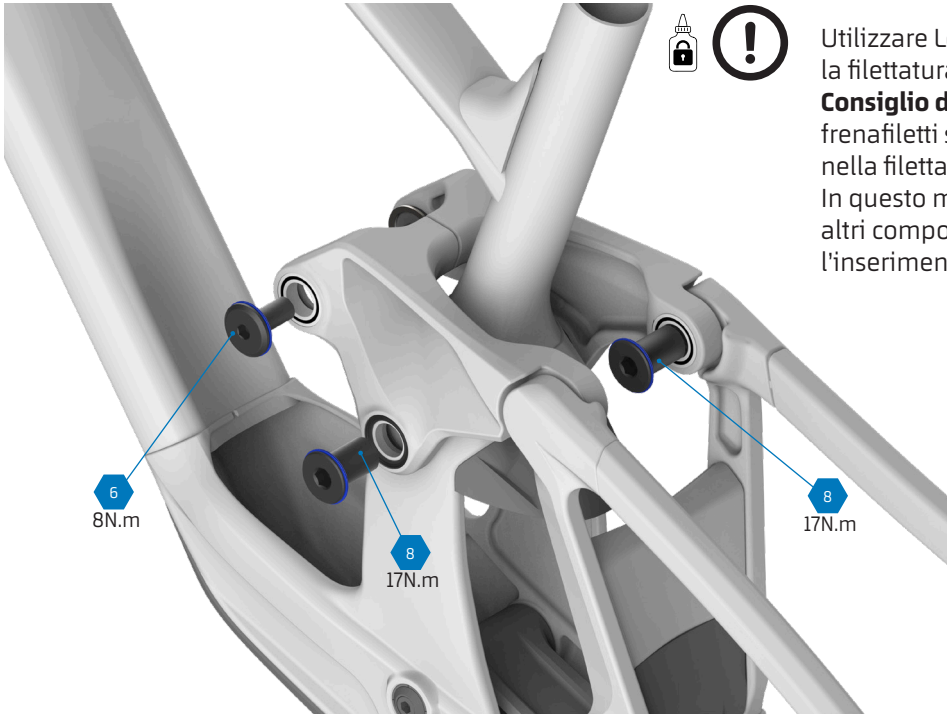
Utilizzare Loctite 243 (o un frenafilietti simile) per la filettatura e grasso di montaggio per le superfici esterne del flip chip.



Visita <https://mondraiker.com/wo/it/frameset-summum-rr-mullet> per configurare la tua geometria personalizzata e ottenere dati precisi in base alla posizione del flip chip, dei forcellini e delle calotte sterzo.

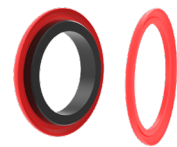
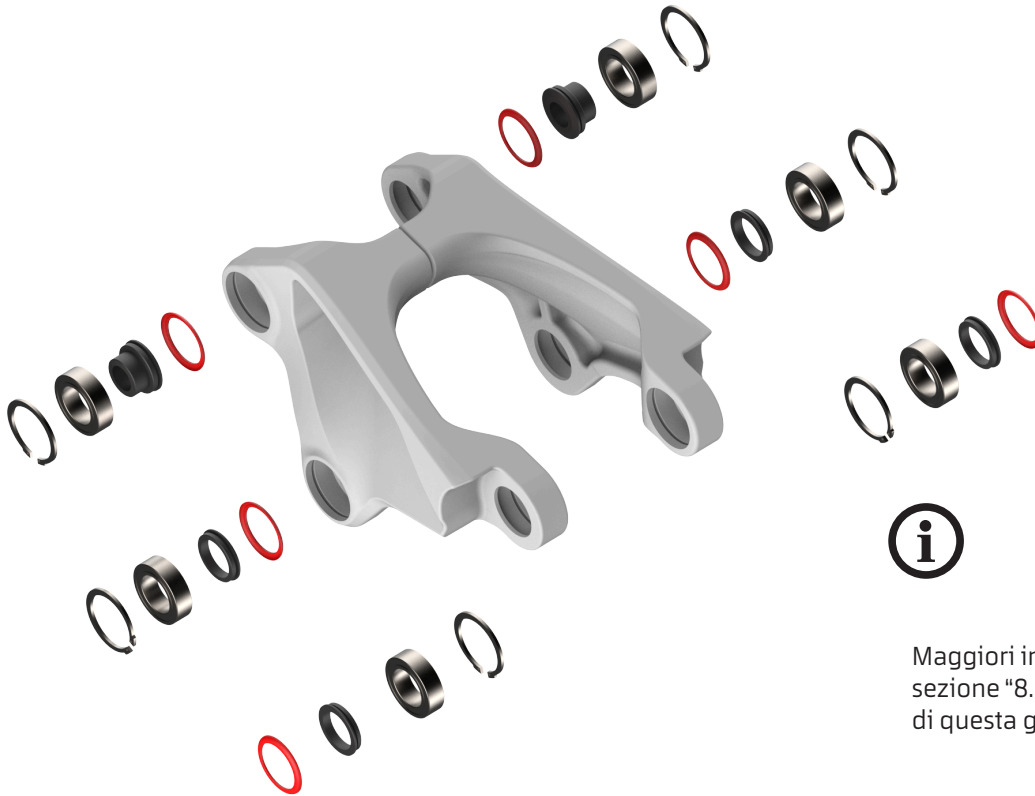
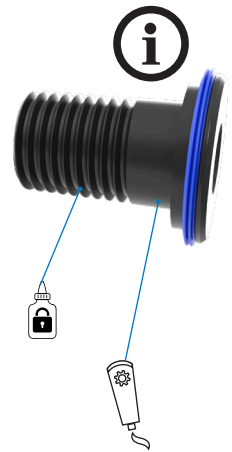


11. LINK SUPERIORE



Utilizzare Loctite 243 (o un frenafilietti simile) per la filettatura.

Consiglio da Pro: Invece di applicare il frenafilietti sulla vite, puoi metterlo direttamente nella filettatura interna del telaio della bicicletta. In questo modo si evita di contaminare gli altri componenti con il frenafilietti durante l'inserimento della vite.



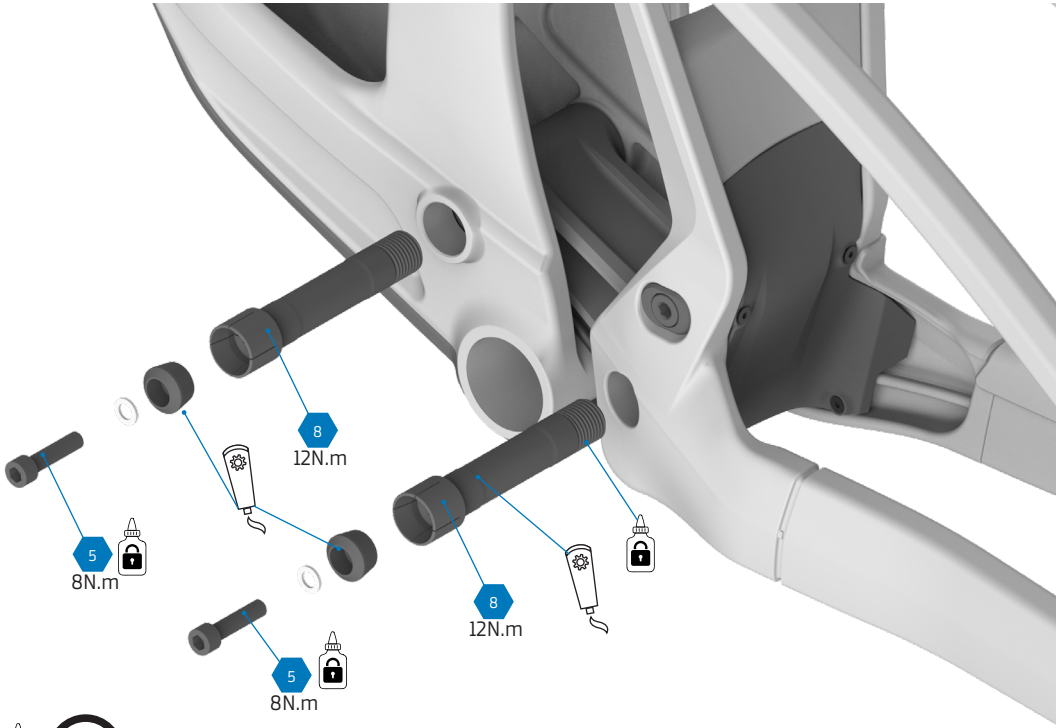
Maggiori informazioni: Consulta la sezione "8. GUARNIZIONI IN GOMMA" di questa guida.



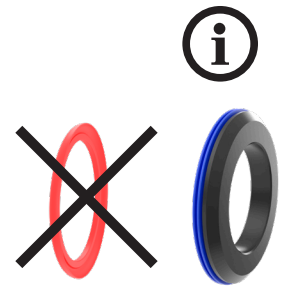
Utilizzare grasso di montaggio per assemblare i componenti.



12. LINK INFERIORE



Utilizzare Loctite 243 (o un frenafili simile) per la filettatura.



Utilizzare grasso di montaggio per assemblare i componenti.



13. ATTACCO MANUBRIO



+5 mm piastra distanziale



+5 mm piastra distanziale



M6 X 50 (x2)



M6 X 40 (x2)



M6 X 30 (x2)



M6 X 20 (x4)

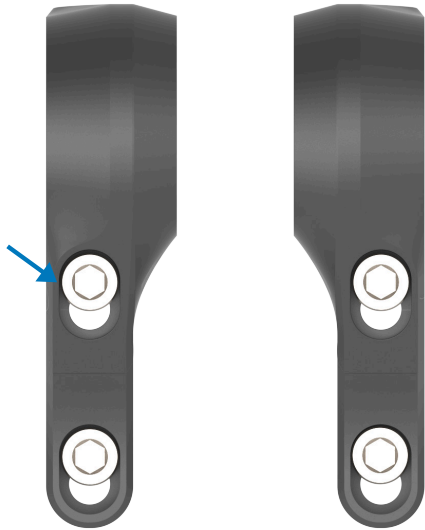


6 N.m

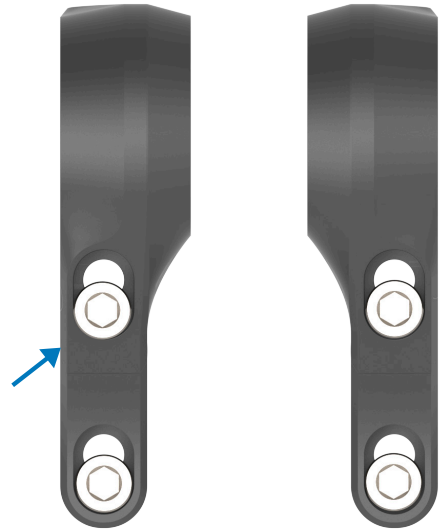
Serrare tutte le viti a 6 Nm.



13. ATTACCO MANUBRIO



Attacco manubrio da 45 mm.



Attacco manubrio da 50 mm.

REGOLAZIONE DEL MANUBRIO



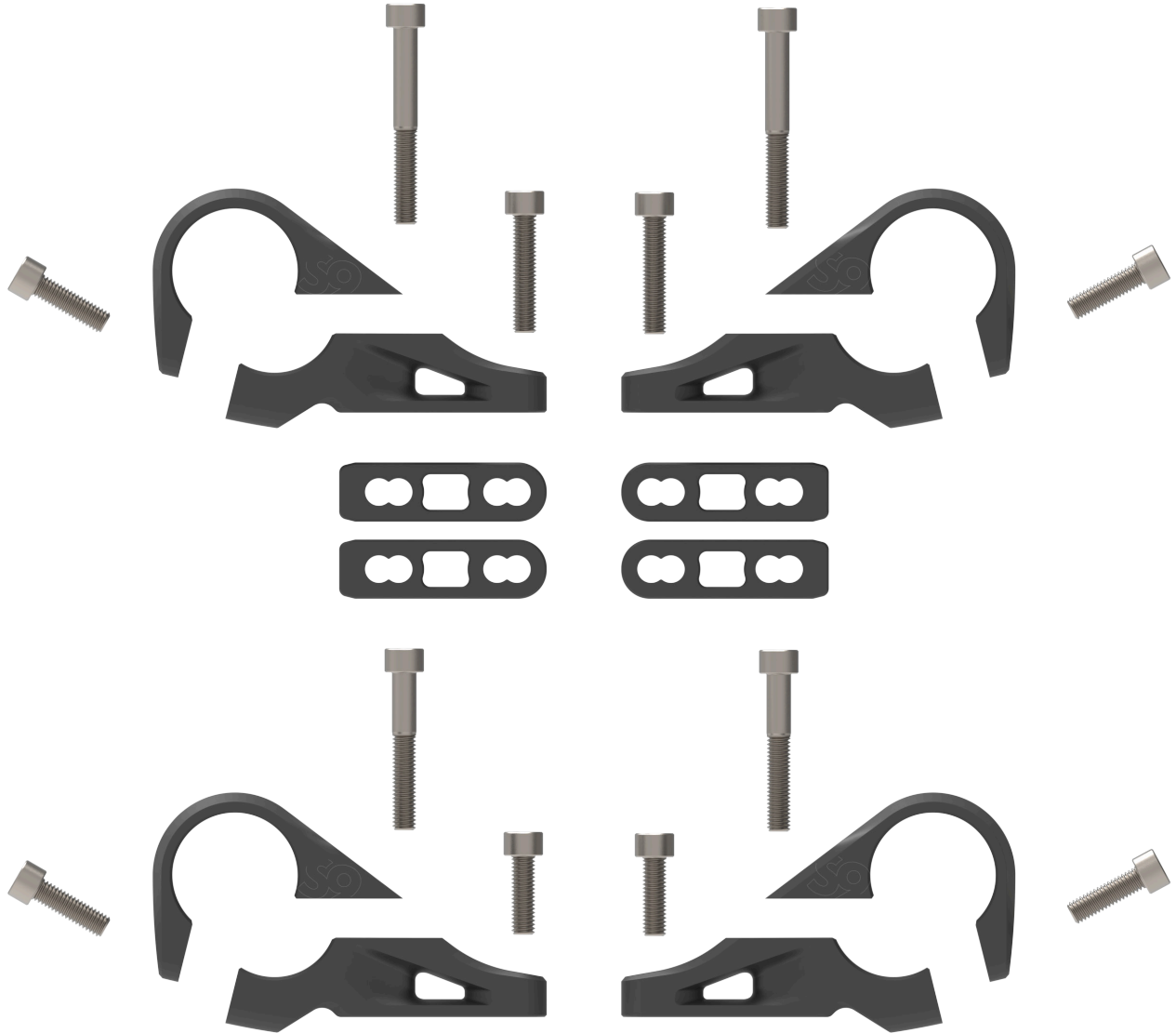
Posizione comoda.



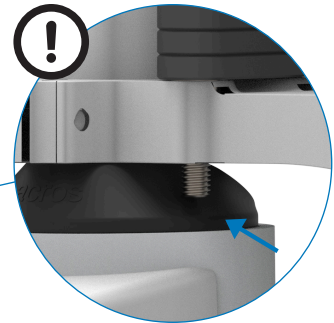
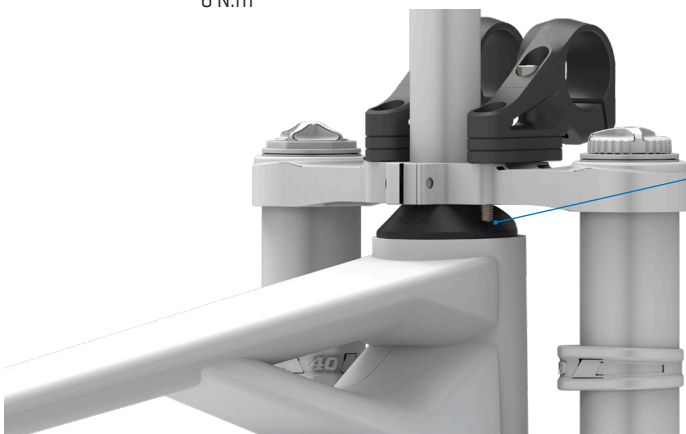
Posizione stabile.



13. ATTACCO MANUBRIO



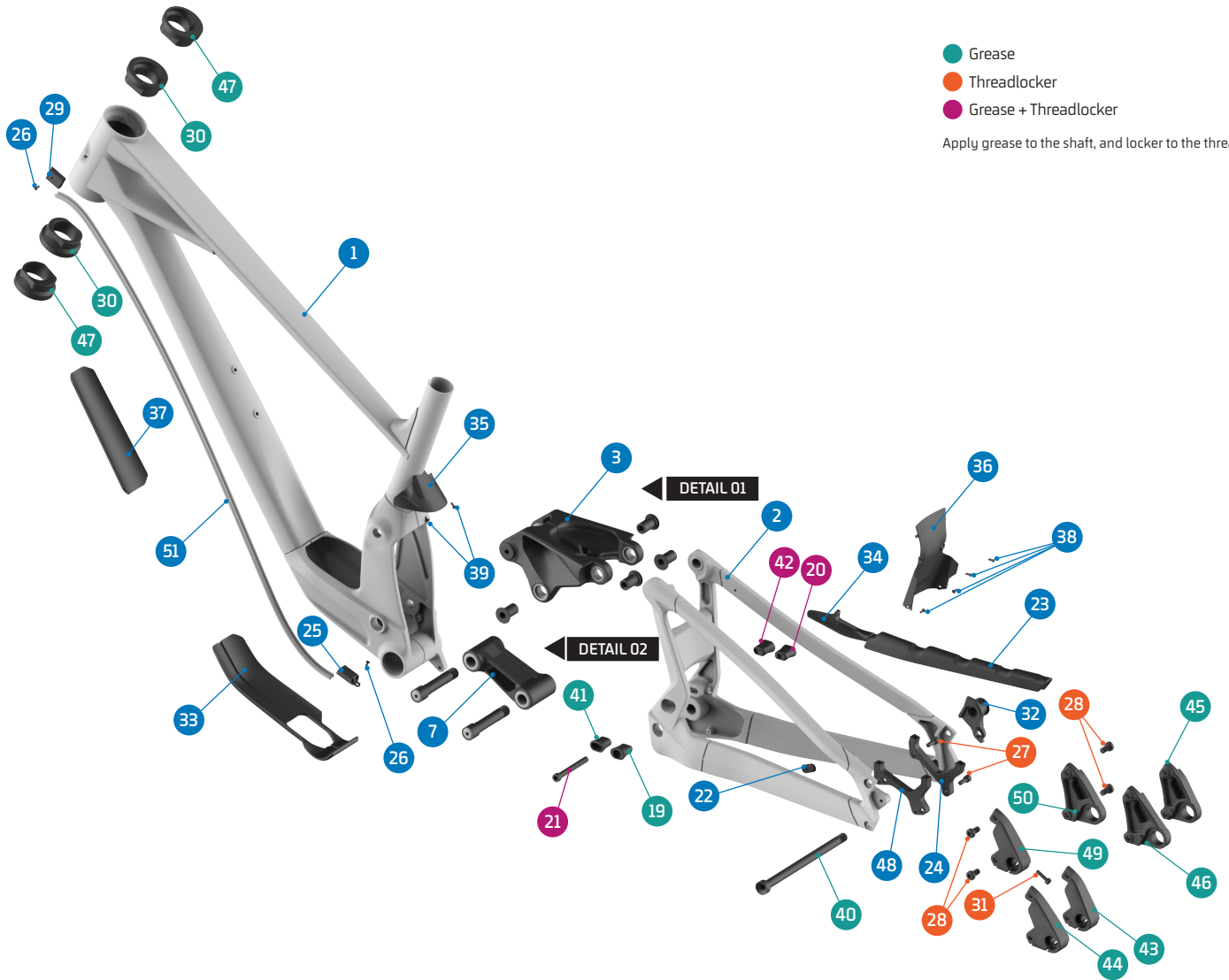
5
6 N.m



Assicurati che le viti siano sufficientemente lunghe da avvitarsi completamente. L'uso di una vite troppo lunga rischia di danneggiare il coperchio della serie sterzo.



14. SPARE PARTS



ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
1	FRAME	1		
2	REAR TRIANGLE	1		
3	UPPER LINK	1	Refer to B2B web for color options	
4	PIVOT AXLE, M15	4	SET 3	17Nm
5	SHOCK BOLT	2	SET 2	8Nm
6	BEARING, 24x15x7 3802V-2RS	10	SET 1 / 099.00113	
7	LOWER LINK	1	099.26072	
8	C-RING	6	SET 2 & 3	
9	SPACER, 10x17x6	2	SET 2	
10	PIVOT SEAL, EXTERNAL	10	SET 2,3,4 & 9	
11	PIVOT SEAL, INTERNAL	6	SET 2, 3 & 9	
12	PIVOT WASHER	4	SET 3	
13	PIVOT AXLE, 88L	2	SET 4	12Nm
14	SPACER, 38L	2	SET 4	
15	WASHER, 6x10x1t	2	SET 4	
16	TAPER NUT	2	SET 4	
17	SCREW BOLT, M6x25	2	SET 4	8Nm
18	SPACER, LOWER	4	SET 4	
19	SHOCK FLIPCHIP CENTER	1	099.26073	
20	SHOCK FLIPCHIP DRIVE SIDE CENTER	1	099.26074	
21	SHOCK BOLT, 65L	1	SET 2 / 099.25038	10Nm
22	CABLE RUBBER	1	989.13010	
23	CHAINSTAY PROTECTOR	1	099.25016	
24	DISC MOUNT	1	SET 5	
25	CABLE GUIDE	1	099.22017	
26	SCREW BOLT, M3x8	2	099.20068	1Nm

ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
27	SCREW BOLT, M6x15	2	SET 5	12Nm
28	SCREW BOLT, M8x15	4	099.26085	15Nm
29	CABLE GUIDE HEAD SET	1	099.22018	
30	HEADSET CUP CENTER	2	099.26075	
31	SCREW BOLT, M5x18	1	SET 6, 7 & 8	6Nm
32	HANGER	1	SRAM UDH	
33	BOTTOM BRACKET PROTECTOR	1	099.26076	
34	YOKE PROTECTOR	1	099.26077	
35	FT SHOCK FENDER	1	099.26078	
36	RT SHOCK FENDER	1	099.26079	
37	DOWN TUBE PROTECTOR	1	099.26080	
38	SCREW BOLT, M3x8	4	099.20068	1Nm
39	SCREW BOLT, M3x6	2	099.12116	1Nm
40	SUMMUM 26 WHEEL AXLE	1	099.26081	12Nm
41	SHOCK FLIPCHIP HIGH/LOW	1	099.26082	
42	SHOCK FLIPCHIP DRIVE SIDE HIGH/LOW	1	099.26083	
43	DROPOUT -5	1	SET 7	
44	DROPOUT +5	1	SET 8	
45	DROPOUT -5 DRIVE SIDE	1	SET 7	
46	DROPOUT +5 DRIVE SIDE	1	SET 8	
47	HEADSET CUP +/- 5	2	099.26084	
48	DISC MOUNT +/-5	1	099.26086	
49	DROPOUT STANDARD	1	SET 6	
50	DROPOUT STANDARD DRIVE SIDE	1	SET 6	
51	INTERNAL CABLE GUIDE	1	099.21010P	

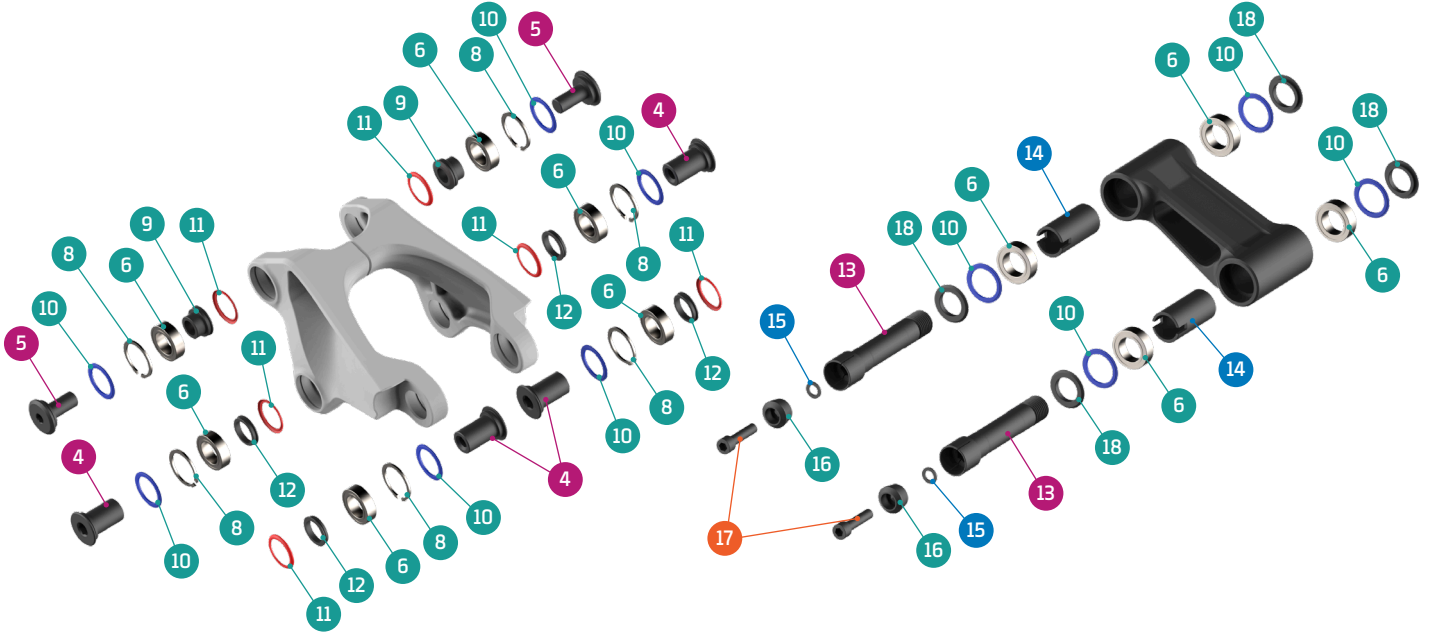


14. SPARE PARTS



DETAIL 01

DETAIL 02



SET 6

NEUTRAL DROPOUTS KIT



SET 7

MINUS 5 DROPOUTS KIT



SET 8

PLUS 5 DROPOUTS KIT



SET 9

SEALS KIT



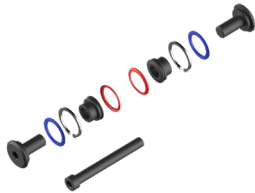
SET 1

ZERO BEARING KIT 25



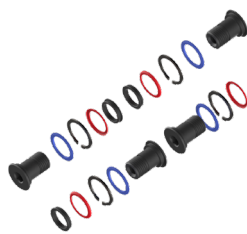
SET 2

SHOCK HARDWARE KIT 24



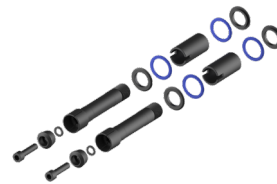
SET 3

UPPER LINK KIT 34



SET 4

LOWER LINK KIT 39



SET 5

DISC ADAPTOR KIT



PART NUMBER	DESCRIPTION	COMPONENTS
099.22100	SET 1: ZERO BEARING KIT 25	BEARING 3802-2RS, 24x15x7 (x10)
099.26202	SET 2: SHOCK HARDWARE KIT 24	PIVOT SEAL INTERNAL (x2) / PIVOT SEAL EXTERNAL (x2) / C-RING (x2) / SPACER, 10x17x6 (x2) / SHOCK BOLT (x2) / SHOCK BOLT, 65 (x1)
099.26300	SET 3: UPPER LINK KIT 34	PIVOT WASHER (x4) / PIVOT SEAL INTERNAL (x4) / PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE, M15 (x4) / C-RING (x4)
099.26401	SET 4: LOWER LINK KIT 39	PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE 88L, (x2) / SCPACER, 38 (x2) / WASHER (x2) / TAPER NUT (x2) / SCREW BOLT, M6X25 (x2) / SCPACER LOWER (x4)
099.25018	SET 5: DISC ADAPTOR KIT	DISC ADAPTOR (x1) / SCREW BOLT (x2)
099.26087	SET 6: NEUTRAL DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT STANDARD (x1) / DROPOUT STANDARD DRIVE SIDE (x1)
099.26088	SET 7: MINUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT -5 (x1) / DROPOUT -5 DRIVE SIDE (x1)
099.26089	SET 8: PLUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT +5 (x1) / DROPOUT +5 DRIVE SIDE (x1)
099.26062	SET 9: SEALS KIT	PIVOT SEAL INTERNAL (x8) / PIVOT SEAL EXTERNAL (x10)



15. CINEMATICA

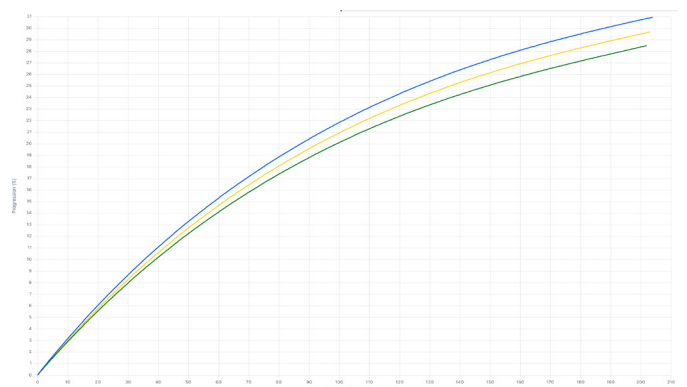
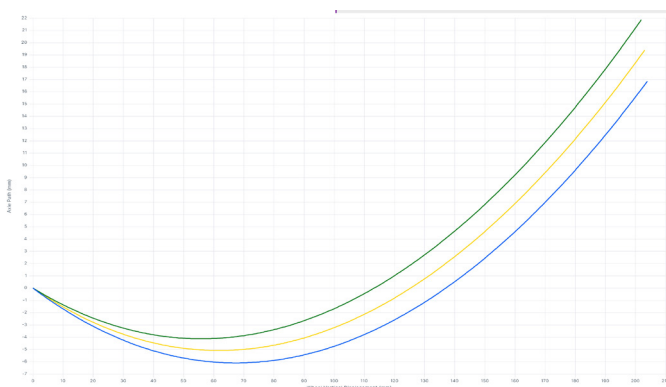
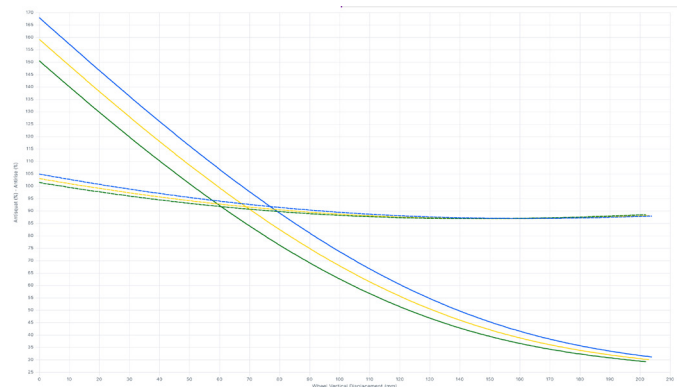
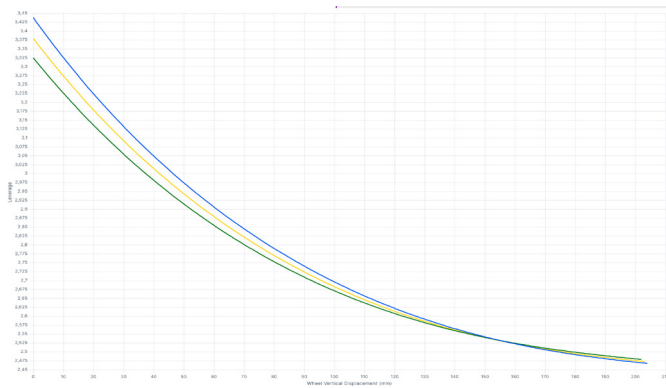
La cinematica del nuovo Summum, così come la sua geometria, si basano in gran parte sullo sviluppo portato avanti da MFR sul prototipo Summum durante la stagione, tenendo sempre presente che il bacino d'utenza sarà molto più ampio. Dal vasto range di regolazioni del prototipo Summum, abbiamo selezionato quelle che riteniamo si adatteranno a un maggior numero di profili di rider.

Rispetto al prototipo originale Summum, abbiamo apportato alcune modifiche per ottenere un rapporto di leva inferiore nel primo 50% della corsa, alla ricerca di un buon supporto; da quel punto in poi abbiamo aumentato il rapporto per ridurre la progressività e sfruttare tutta l'escursione.

Abbiamo progettato un flip chip nel supporto inferiore dell'ammortizzatore che modifica principalmente la geometria, ma anche il punto di inizio del rapporto di leva e la progressività dell'1,5%. È una piccola modifica, ma può risultare molto interessante per adattare la bici a diversi gusti, terreni o ammortizzatori.

Qui troverete le consuete informazioni e a seguire il setup "standard" confrontato con le diverse impostazioni del flip chip. Giallo = "standard"; verde = -3.5 (posizione bassa) e blu = +3.5 (posizione alta).

Molle consigliate per l'ammortizzatore posteriore: M 450 lb/in, L 500 lb/in e XL 550 lb/in.





16. FAQ

POSSO MODIFICARE LE DIMENSIONI DELLE RUOTE DELLA SUMMUM?

La bicicletta è progettata per essere utilizzata con una configurazione "mullet" da 29" sulla ruota anteriore e 27,5" su quella posteriore, per cui sconsigliamo di montare altre combinazioni di ruote perché potrebbe incidere a livello di geometria e cinematica.

POSSO MONTARE RUOTE BOOST 148X12 SULLA SUMMUM?

No, la Summum è compatibile solo con mozzi posteriori di dimensioni 12 x 157 mm.

QUAL'È LA DIMENSIONE MASSIMA DEI DISCHI DEI FRENI MONTABILI SULLA SUMMUM?

Su questo modello si possono montare dischi fino a 220 mm sia davanti che dietro.

QUAL È LA DIMENSIONE MASSIMA DEI PNEUMATICI MONTABILI SULLA SUMMUM?

La Summum è compatibile con pneumatici anteriori fino a 29 x 2,6" e posteriori fino a 27,5 x 2,6" (66 mm di larghezza).

IN QUALI MODELLI È INCLUSO IL KIT GEOMETRIA?

Il kit geometria è incluso in tutti i modelli Summum MY26 e anche nel kit telaio singolo.

COSA INCLUDE IL KIT GEOMETRIA IN DOTAZIONE CON LA SUMMUM?

Il kit fornito con la bicicletta e il telaio singolo comprende le seguenti parti:

- Due set di calotte serie sterzo per la regolazione del REACH: +5 mm / 0 / -5 mm
- Flip-chip eccentrico per regolare la posizione dell'ammortizzatore
- Due forcellini aggiuntivi per modificare la lunghezza dei foderi: +5 mm / -5 mm

Con questo kit puoi facilmente personalizzare la configurazione in base alle tue preferenze o adattarla al terreno in qualsiasi momento.

IL FLIP-CHIP È ORA DOTATO DI TRE POSIZIONI DI REGOLAZIONE. COME FUNZIONA?

Per cambiare la posizione del flip-chip, basta sostituirlo con l'altro flip-chip eccentrico incluso nel kit geometria, utilizzando il bullone inferiore dell'ammortizzatore. Con questi pezzi e i forcellini aggiuntivi puoi configurare le posizioni di geometria HIGH o LOW. Il flip-chip dell'ammortizzatore è regolato di serie in posizione centrale.



16. FAQ

IN CHE MODO LE TRE POSIZIONI DI REGOLAZIONE DEL FLIP-CHIP MODIFICANO LA GEOMETRIA?

Il flip-chip dell'ammortizzatore ha tre posizioni: HIGH, STANDARD e LOW. Queste consentono di modificare l'altezza del movimento centrale di +5 mm / 0 / -5 mm, che è il cambiamento più significativo in termini di geometria. Oltre a questo si modifica anche l'angolo di sterzo di 0,35° (-0,35° in posizione LOW; +0,35° in posizione HIGH) con una leggera variazione del reach di 4 mm (-4 mm in posizione LOW; +4 mm in posizione HIGH).

QUALI AMMORTIZZATORI SONO COMPATIBILI CON LA SUMMUM MY26?

Il modello Summum è progettato per montare la maggior parte degli ammortizzatori in commercio con le seguenti specifiche:

- Dimensioni 225 x 75 mm
- Attacco superiore Trunnion
- Boccola inferiore e minuteria 30 x 8 mm

CHE TIPI DI TRASMISSIONI SONO COMPATIBILI CON QUESTO NUOVO MODELLO SUMMUM?

Il telaio della Summum è sviluppato per essere usato indifferentemente con deragliatori a montaggio diretto T-Type o con attacco UDH, così puoi montare la maggior parte dei deragliatori posteriori disponibili sul mercato.

QUESTO MODELLO SUMMUM È COMPATIBILE CON FORCELLE A CORONA SINGOLA?

La Summum è stata sviluppata per forcelle a doppia corona con tubo sterzo da 1-1/8". Generalmente, le forcelle a corona singola hanno tubi conici (1-1/8" – 1-1/2") non compatibili con la serie sterzo ARS (Adjustable Reach System).

A COSA SERVE IL SUPPORTO SUL TUBO PRINCIPALE?

Trattandosi di una bicicletta sviluppata per le competizioni, molti utenti hanno bisogno di un sistema di telemetria, ed era necessario un punto dove fissarlo. Ciò non toglie che tu possa usarlo per montare un portaborraccia o agganciare i pezzi di ricambio durante le uscite più avventurose.

SE MODIFICO LA LUNGHEZZA DEI FORCELLINI SOSTITUENDOLI CON QUELLI INCLUSI NEL KIT GEOMETRIA, COS'ALTRO DEVO CAMBIARE?

Se monti forcellini diversi da quelli STANDARD (ovvero LONG + 5 mm o SHORT, -5 mm), dovrai anche installare l'adattatore per freni multi-posizione affinché la pinza e l'asse della ruota posteriore restino sempre alla stessa distanza.

IL GUIDACATENA DELLA SUMMUM È UN MODELLO SPECIFICO?

Il guidacatena ha un attacco ISCG 05 con pattino superiore corto, poiché uno lungo potrebbe risultare incompatibile e interferire con il telaio.



16. FAQ

QUALI DIMENSIONI DEVE AVERE LA MIA BICI?

La Summum è un modello con diverse opzioni di regolazione: puoi divertirti a sperimentare con il kit geometria per trovare la configurazione più adatta. La misura giusta dipende anche dalle tue abilità ed esigenze di guida, ad esempio se preferisci una bici più stabile o più agile e maneggevole.

COME SI INSTALLANO LE CALOTTE DI REGOLAZIONE DEL REACH SUL MODELLO SUMMUM?

L'ARS (Adjustable Reach System) è stato progettato per sostituire le calotte della serie sterzo in modo rapido e semplice, totalmente a mano. È importante posizionare entrambe le calotte



Tutte le informazioni e le immagini contenute in questo documento sono fornite esclusivamente a titolo informativo e non costituiscono un contratto legale tra MONDRAKER e qualsiasi persona o entità. Le specifiche, le geometrie o qualsiasi altra informazione tecnica qui pubblicata sono soggette a modifiche senza preavviso.

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MANUALES Y DOCUMENTOS





INSTRUCCIONES GENERALES Y DE SEGURIDAD

En esta guía técnica pueden aparecer los 3 iconos siguientes. Cada uno de ellos indica que deben tomarse las siguientes precauciones:

ADVERTENCIA:

No seguir las indicaciones o usar la bicicleta de forma inadecuada puede ocasionar graves lesiones o incluso la muerte. Estas tareas entrañan dificultad técnica y, si no se realizan de forma adecuada, podrían causar daños a tu bicicleta o dar lugar a la anulación de la garantía.

CUIDADO:

No seguir las indicaciones o usar la bicicleta de forma inadecuada puede ocasionar lesiones leves. Estas tareas entrañan dificultad técnica y, si no se realizan de forma adecuada, podrían causar daños a tu bicicleta o dar lugar a la anulación de la garantía.

INFORMACIÓN

Información imprescindible para realizar esta tarea correctamente y, así, evitar que se cause cualquier daño a la bicicleta o se pierda la garantía, pero que no supone ningún riesgo para las personas.

OTRAS CONSIDERACIONES

- El uso de piezas de repuesto no originales puede ocasionar daños, fallos de funcionamiento y accidentes que pueden tener graves consecuencias.
- Para realizar algunos de los pasos descritos en este manual se requieren habilidades superiores a las del usuario medio de bicicleta. En caso de no poder seguir alguno de estos pasos, lleva tu bicicleta a un servicio técnico autorizado Mondraker para el mantenimiento y sustitución de sus componentes. La instalación incorrecta de piezas de repuesto puede ocasionar fallos de funcionamiento, accidentes, lesiones y la anulación de la garantía.

LIMPIEZA Y CUIDADO

- Una vez desmontadas las piezas, se recomienda limpiar, engrasar y poner fijador de roscas (en caso necesario) en los componentes que se vayan a reutilizar.

LEYENDA DE SÍMBOLOS



Fijador de roscas grado medio. Loctite 243 o similar.



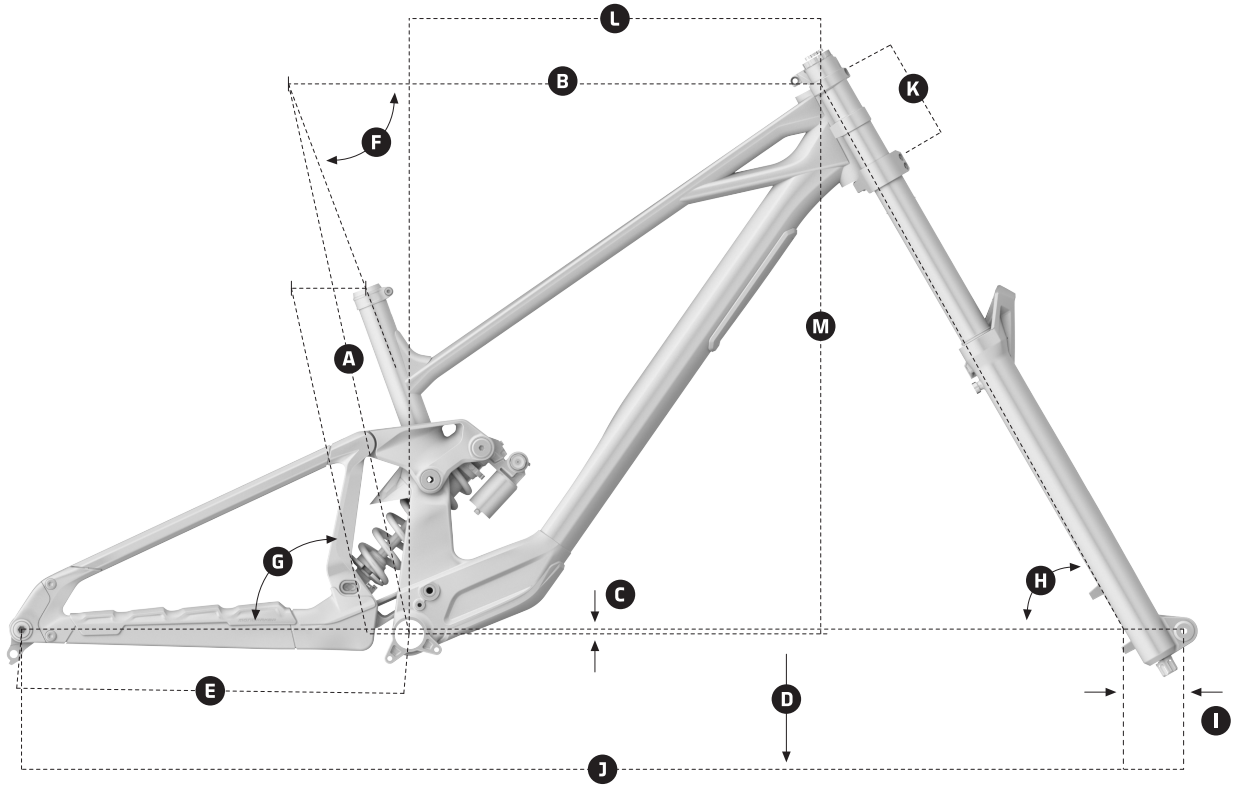
Grasa sintética de calidad para montaje.



Grasa especial de fricción para carbono.



1. GEOMETRÍA



SUMMUM

TALLA DE CUADRO	M [STD]	L [STD]	XL [STD]
A Longitud tubo sillín	400 mm	400 mm	400 mm
B Longitud tubo superior	710 mm	740 mm	770 mm
C Caída eje pedalier	-5 mm	-5 mm	-5 mm
D Altura eje pedalier	350 mm	350 mm	350 mm
E Longitud vainas	455 mm	455 mm	455 mm
F Ángulo tubo sillín real	78°	78°	78°
G Ángulo tubo sillín efectivo	70°	70°	70°
H Ángulo dirección	62,5°	62,5°	62,5°
I Offset de la horquilla	52 mm	52 mm	52 mm
J Distancia entre ejes	1285,4 mm	1315,4 mm	1345,4 mm
K Longitud pipa	120 mm	120 mm	120 mm
L Reach	450 mm	480 mm	510 mm
M Stack	642,6 mm	642,6 mm	642,6 mm

CAZOLETAS +/-5mm de reach **PUNTERAS** +/-5mm de longitud de vainas **SHOCK FLIP CHIP** +/-5mm altura pedalier, 0,35° dirección



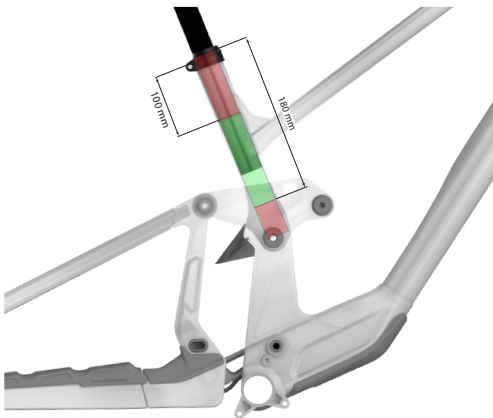
Visita <https://mondraaker.com/wo/es/frameset-summum-rr-mullet> para configurar tu geometría personalizada y obtener los datos precisos según la posición del flip chip, las punteras y las cazoletas.



2. ESPECIFICACIONES TÉCNICAS DEL CUADRO

TALLAS DE CUADRO	M / L / XL
TAMAÑO RUEDA DELANTERA	29"
BUJE DELANTERO	110mm x 20mm (BOOST)
TAMAÑO RUEDA TRASERA	27,5"
BUJE TRASERO	157mm x 12mm (DH)
EJE TRASERO	12X157 P1.0 L183 (head 19mm OD)
CAPACIDAD TOTAL DE BIDONES / RANGE EXTENDER	1
EJE PEDALIER	BSA 83mm
RECORRIDO TRASERO	200mm
AMORTIGUADOR TRASERO	225 x 75mm TRUNNION, 30 x 8mm
RECORRIDO DE HORQUILLA	200mm
DIÁMETRO DE TIJA	31.6mm / 34.9mm
LÍNEA DE CADENA	57mm
DIRECCIÓN	Onoff DH ARS (Adjustable Reach System) 1-1/8", 1-1/8"
TAMAÑO MÁXIMO DE PLATO	36T
FRENO TRASERO	POST MOUNT CUSTOM ADAPTER, DIRECT 200 (220mm max with spacer)
TAMAÑO MÁXIMO DE RUEDA	27'5x2.6

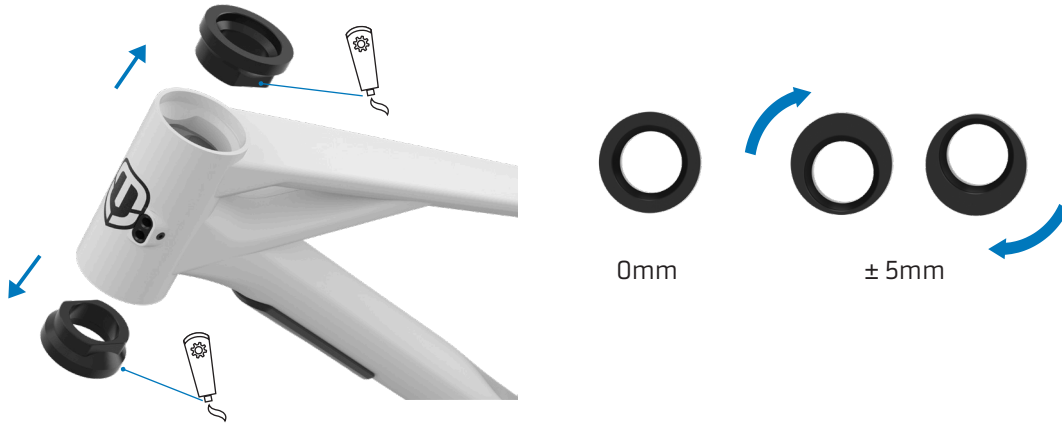
3. LONGITUD DE INSERCIÓN DE TIJA



TALLA CUADRO	MIN. (mm)	MAX. (mm)
XL	100	175
L	100	175
M	100	175



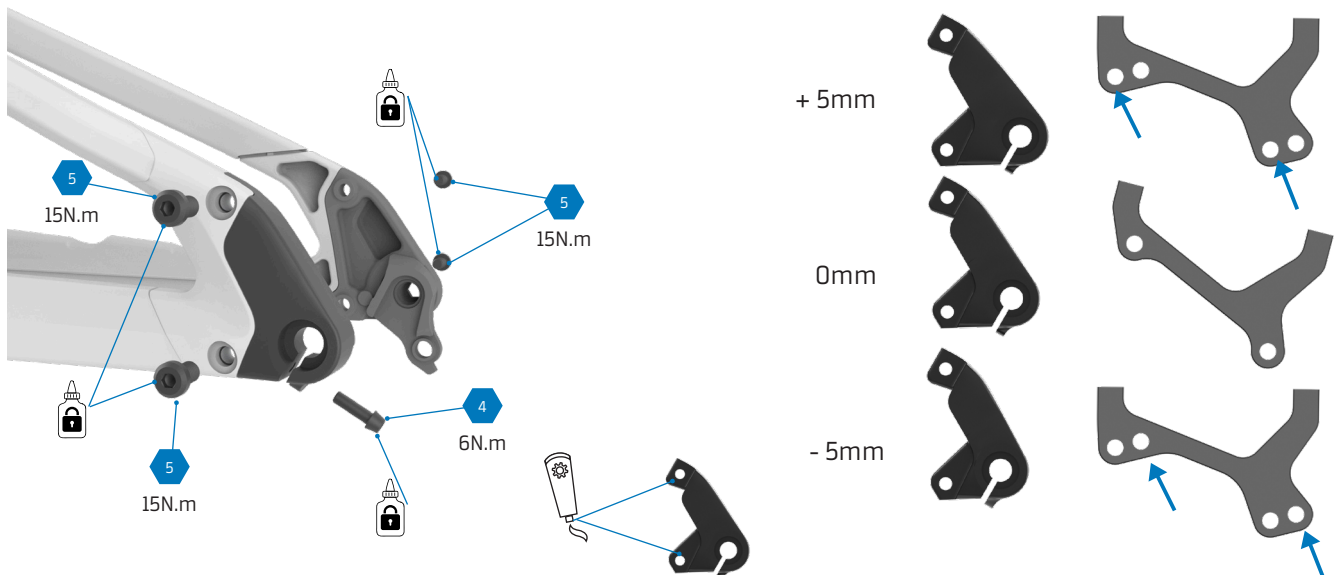
4. CAZOLETAS DE DIRECCIÓN



! Las cazoletas de dirección superior e inferior deben instalarse siempre con la misma orientación de su excentricidad. El uso de estas cazoletas permite modificar la longitud del reach.

Para ajustar el ángulo de dirección, debe utilizarse el sistema flip chip del cuadro. Recuerde aplicar una capa ligera de grasa de montaje en las superficies de contacto antes de la instalación

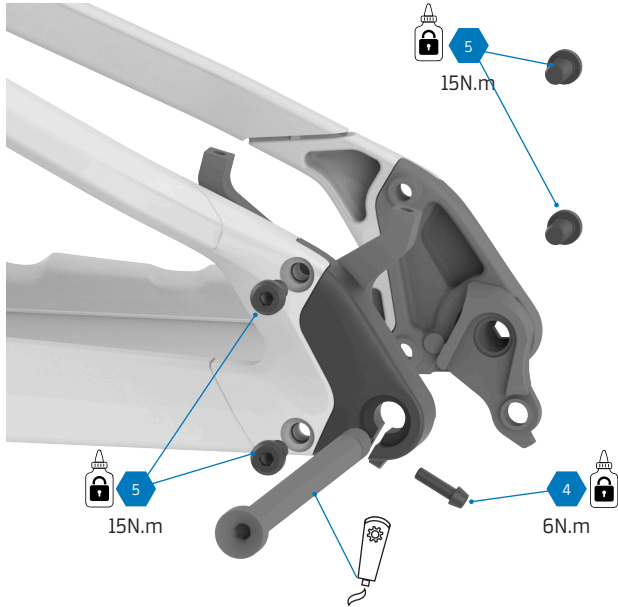
5. PUNTERAS



! La bicicleta incluye de serie punteras estándar. Si instala punteras de tamaño grande o pequeño, es **imprescindible sustituir también el soporte de la pinza de freno**. El soporte estándar solo es compatible con las punteras de serie.

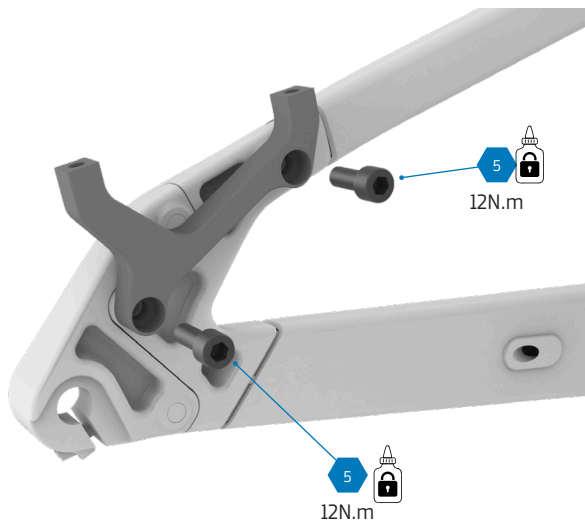
i Visita <https://mondraker.com/wo/es/frameset-summum-rr-mullet> para configurar tu geometría personalizada y obtener los datos precisos según la posición del flip chip, las punteras y las cazoletas.

6. INSERTAR EL EJE DE LA RUEDA TRASERA



1. Aflojar un poco tornillos de las punteras (3/4 de vuelta aproximadamente) y aflojar tornillo de fijación.
2. Insertar eje y apretar al par de apriete especificado.
3. Apretar tornillos de las punteras al par de apriete específico.
4. Apretar tornillo de fijación al par de apriete especificado.

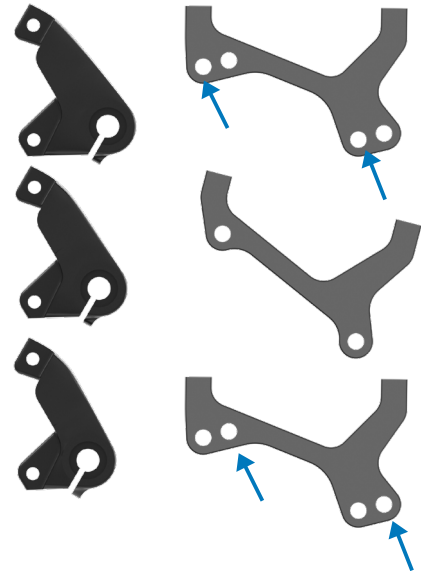
7. ADAPTADOR DEL FRENO



+ 5mm

0mm

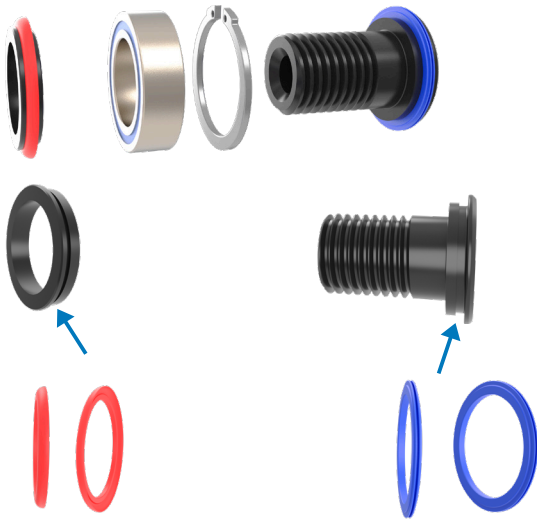
- 5mm



Visita <https://mondraiker.com/wo/es/frameset-summum-rr-mullet> para configurar tu geometría personalizada y obtener los datos precisos según la posición del flip chip, las punteras y las cazoletas.

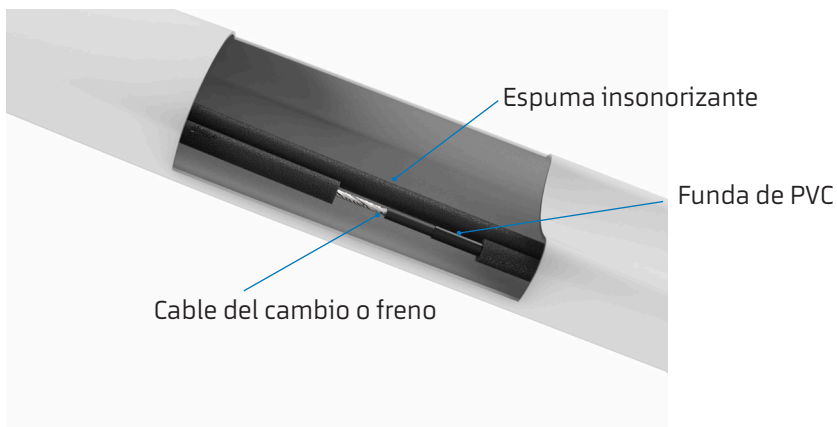
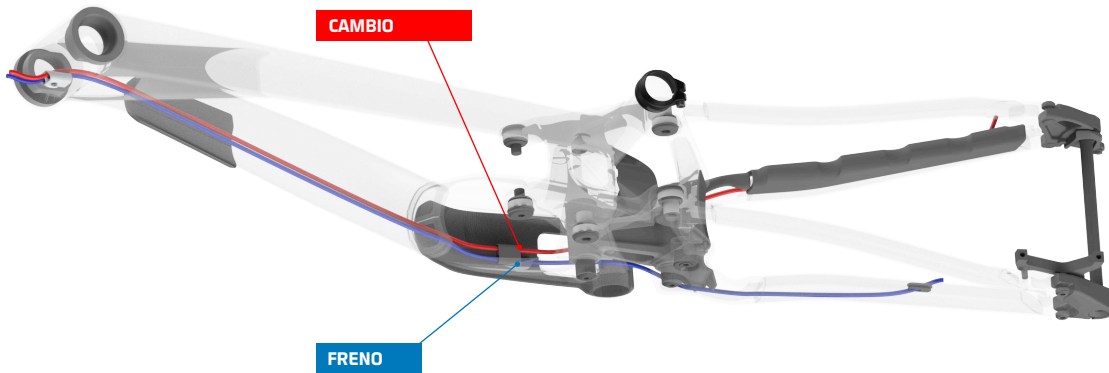


8. SELLOS DE GOMA



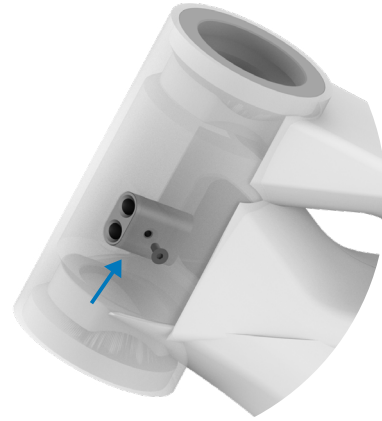
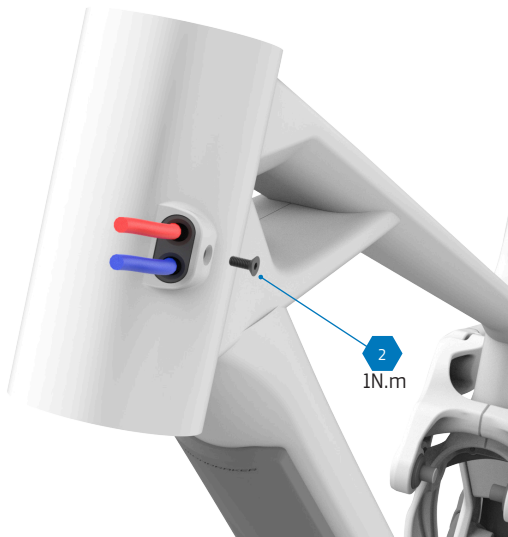
Preste atención a la posición y forma de los sellos de goma. Se han utilizado colores rojo y azul para diferenciarlos pero en realidad, los sellos son de goma de color negro.

9. CABLEADO INTERNO

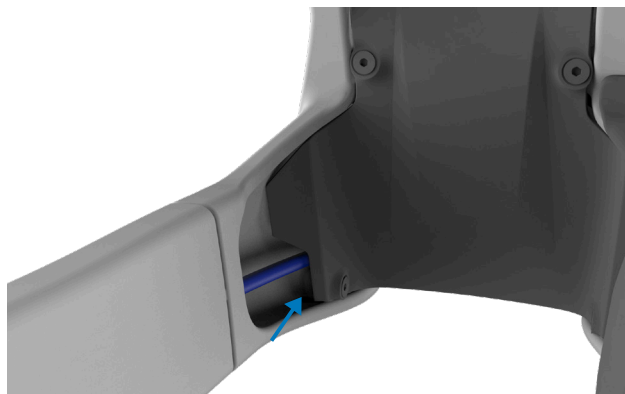
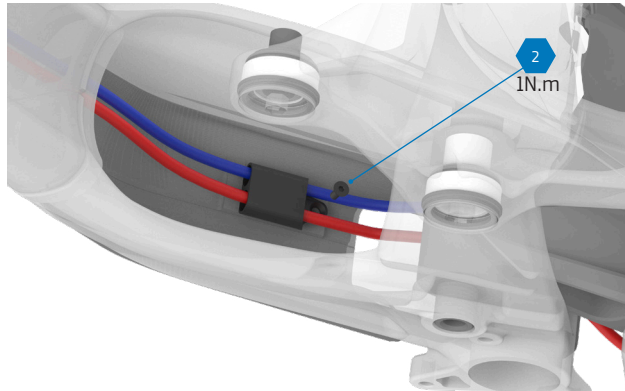




9. CABLEADO INTERNO



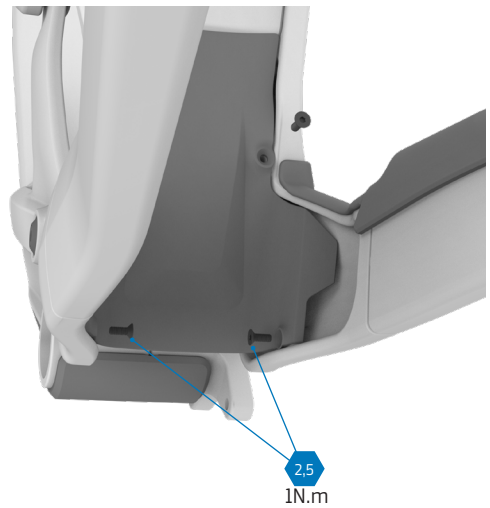
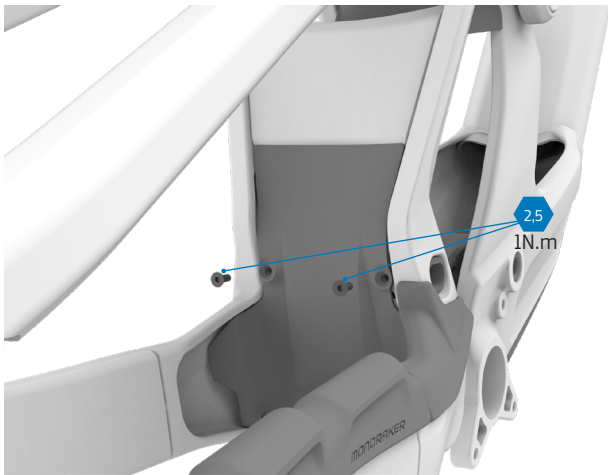
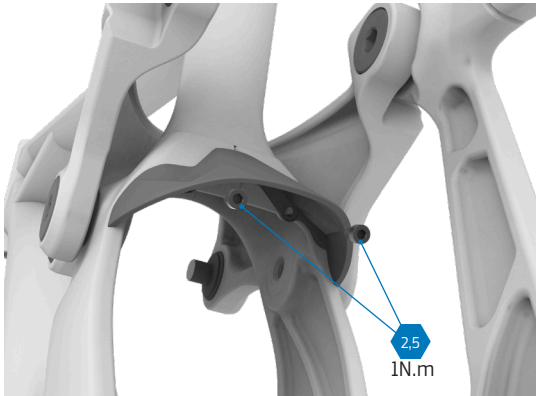
El puerto de cables se fija al cuadro por medio del tornillo.



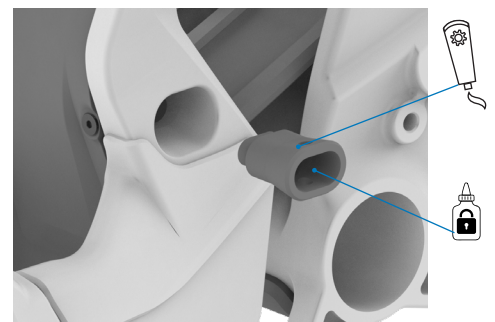
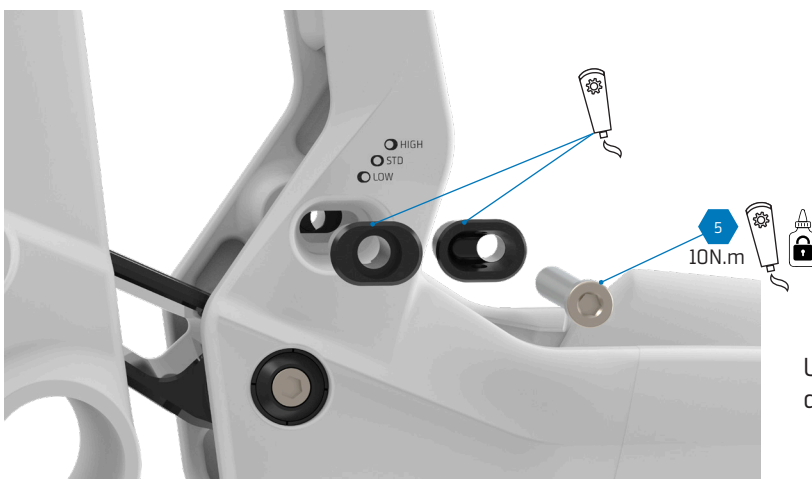
Utiliza la apertura para pasar el cable por la vaina



10. PROTECTORES



11. FLIP CHIP DEL TORNILLO DEL AMORTIGUADOR



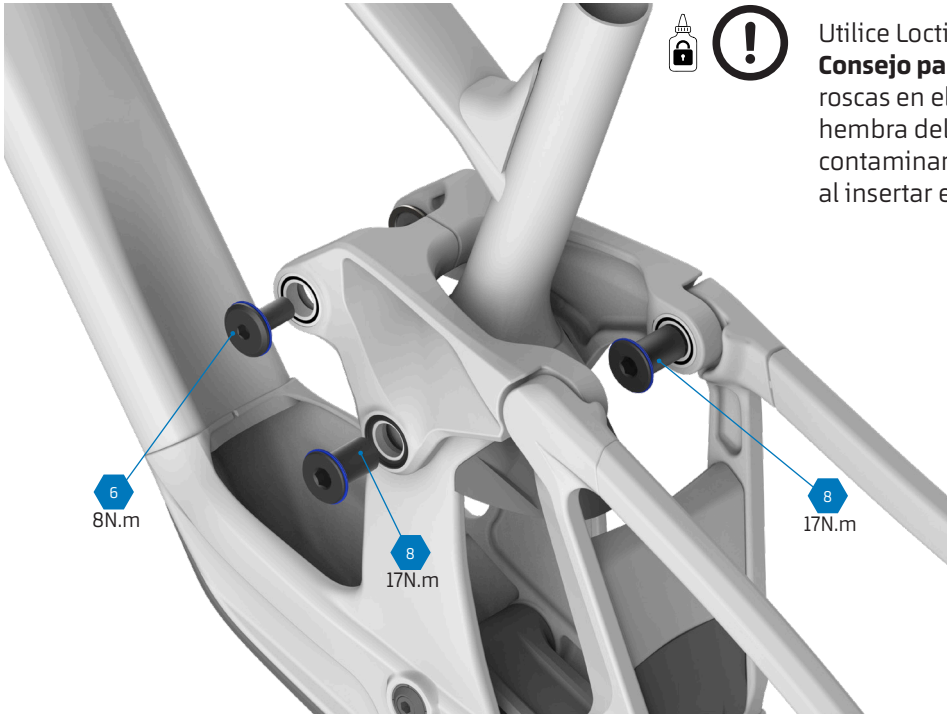
Utilice Loctite 243 o similar para la rosca y grasa de montaje para las zonas externas del flip chip.



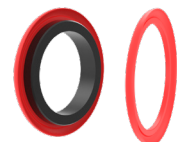
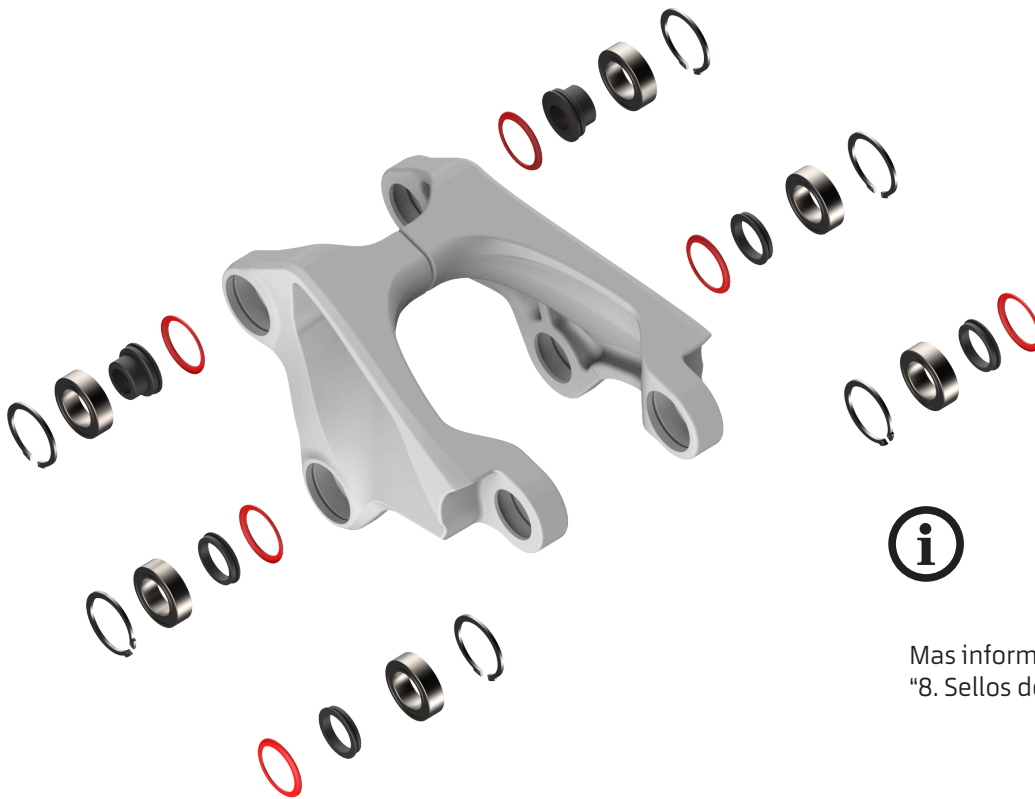
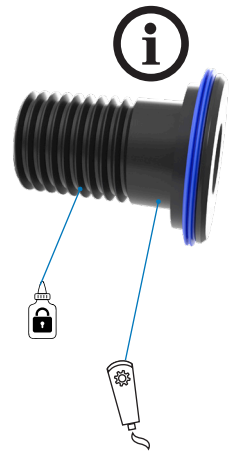
Visita <https://mondraker.com/wo/es/frameset-summum-rr-mullet> para configurar tu geometría personalizada y obtener los datos precisos según la posición del flip chip, las punteras y las cazoletas.



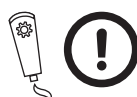
11. BIELETA SUPERIOR



Utilice Loctite 243 o similar para la rosca.
Consejo para Pro: en vez de poner el fijador de roscas en el tornillo, puedes ponerlo en la rosca hembra del cuadro de la bicicleta. Así evitas contaminar con fijador el resto de componentes al insertar el tornillo.



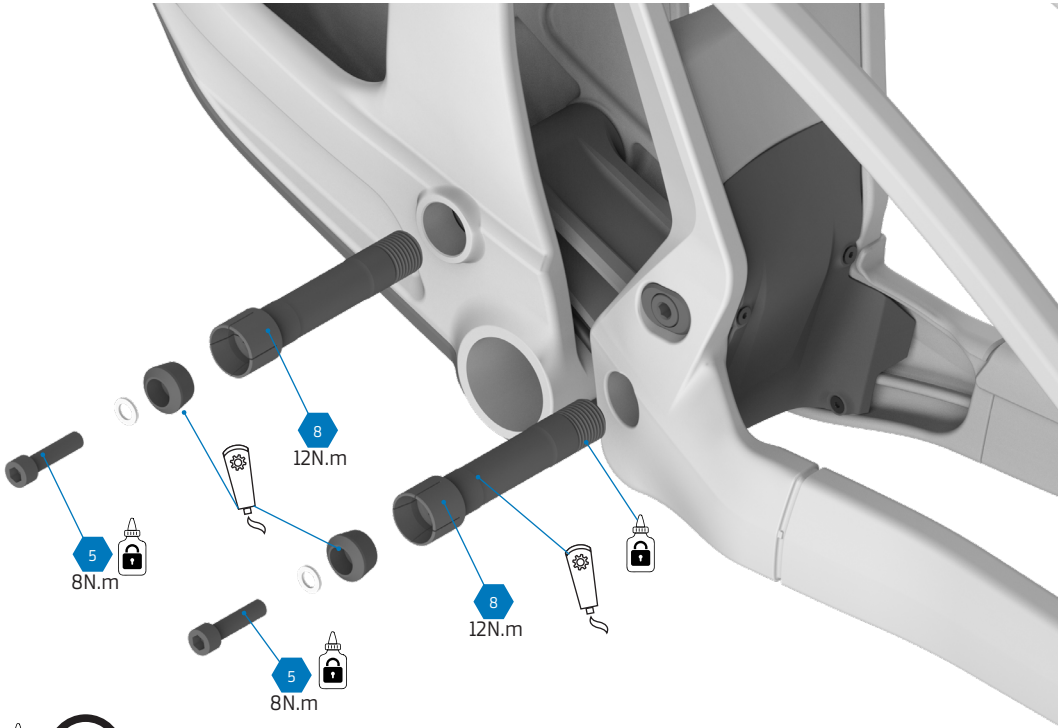
Más información: Revisa apartado "8. Sellos de Goma" de esta guía.



Utilice grasa de montaje para ensamblar las piezas.



12. BIELETA INFERIOR



Utilice Loctite 243 o similar para la rosca.



Utilice grasa de montaje para ensamblar las piezas.



13. POTENCIA



Espaciador +5 mm



Espaciador +5 mm



M6 X 50 (x2)



M6 X 40 (x2)



M6 X 30 (x2)



M6 X 20 (x4)

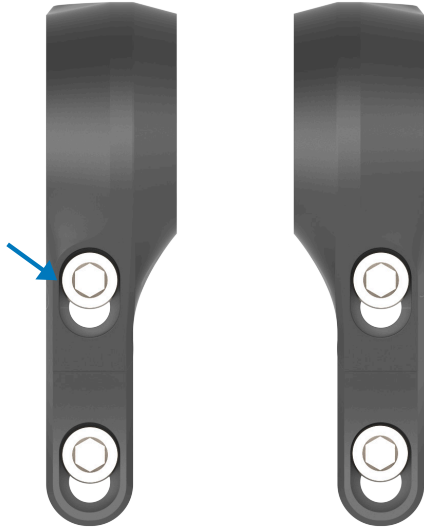


6 N.m

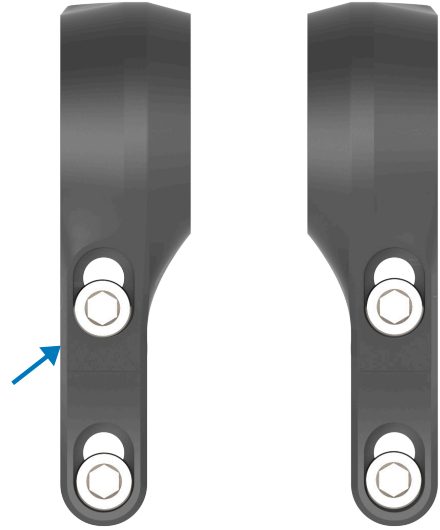
Apretar todos los tornillos a 6 Nm.



13. POTENCIA



Potencia de 45 mm.



Potencia de 50 mm.

AJUSTE DEL MANILLAR



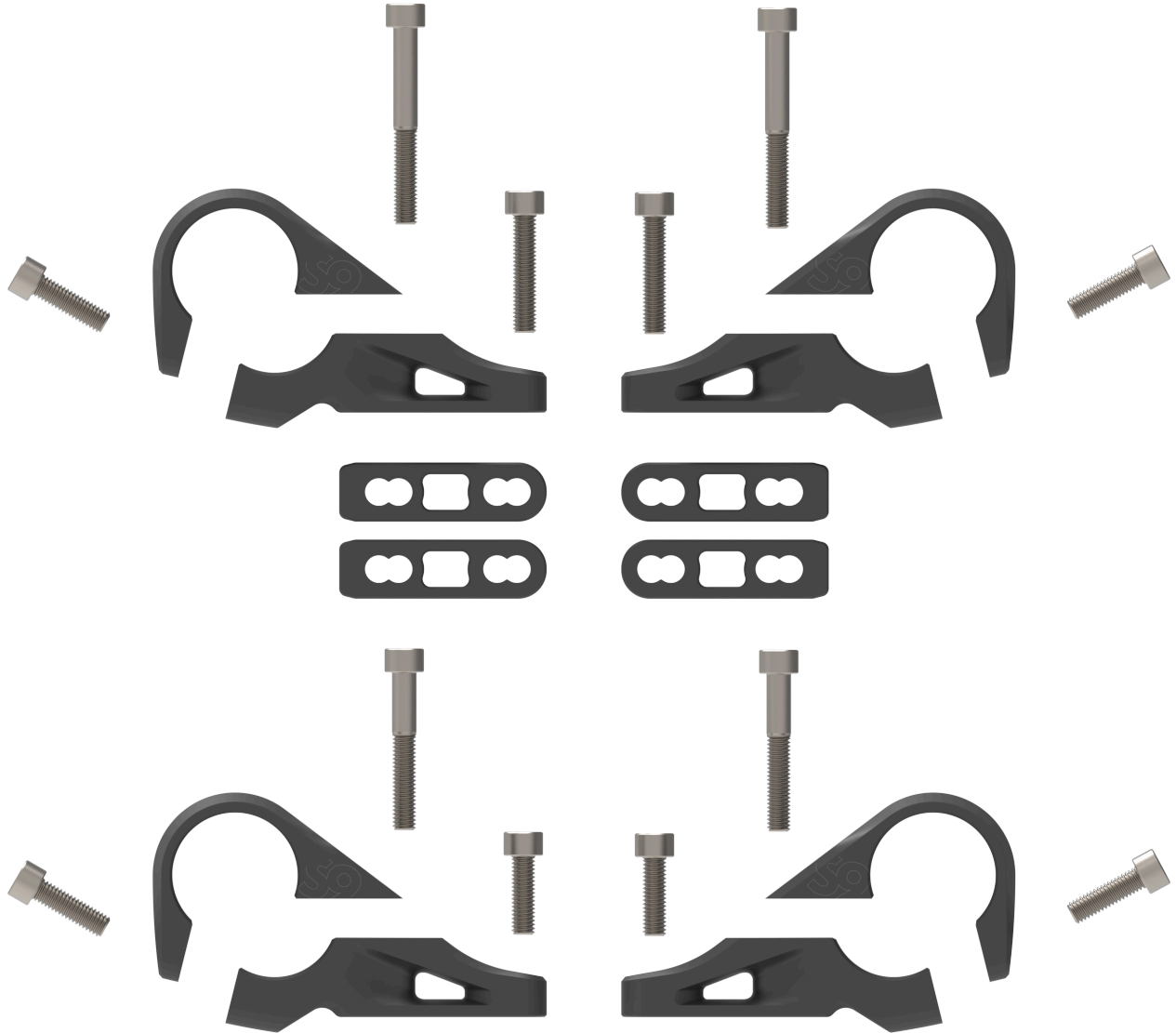
Posición cómoda



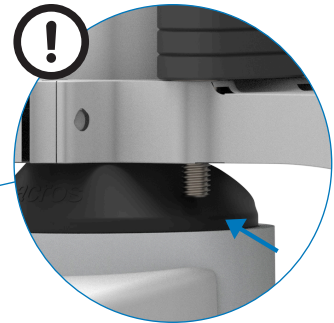
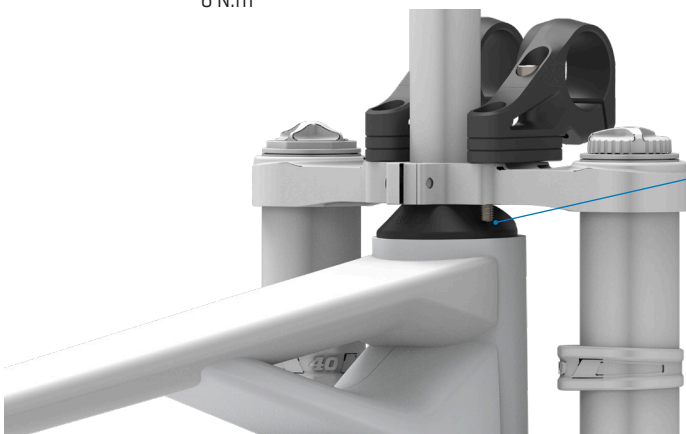
Posición estable.



13. POTENCIA



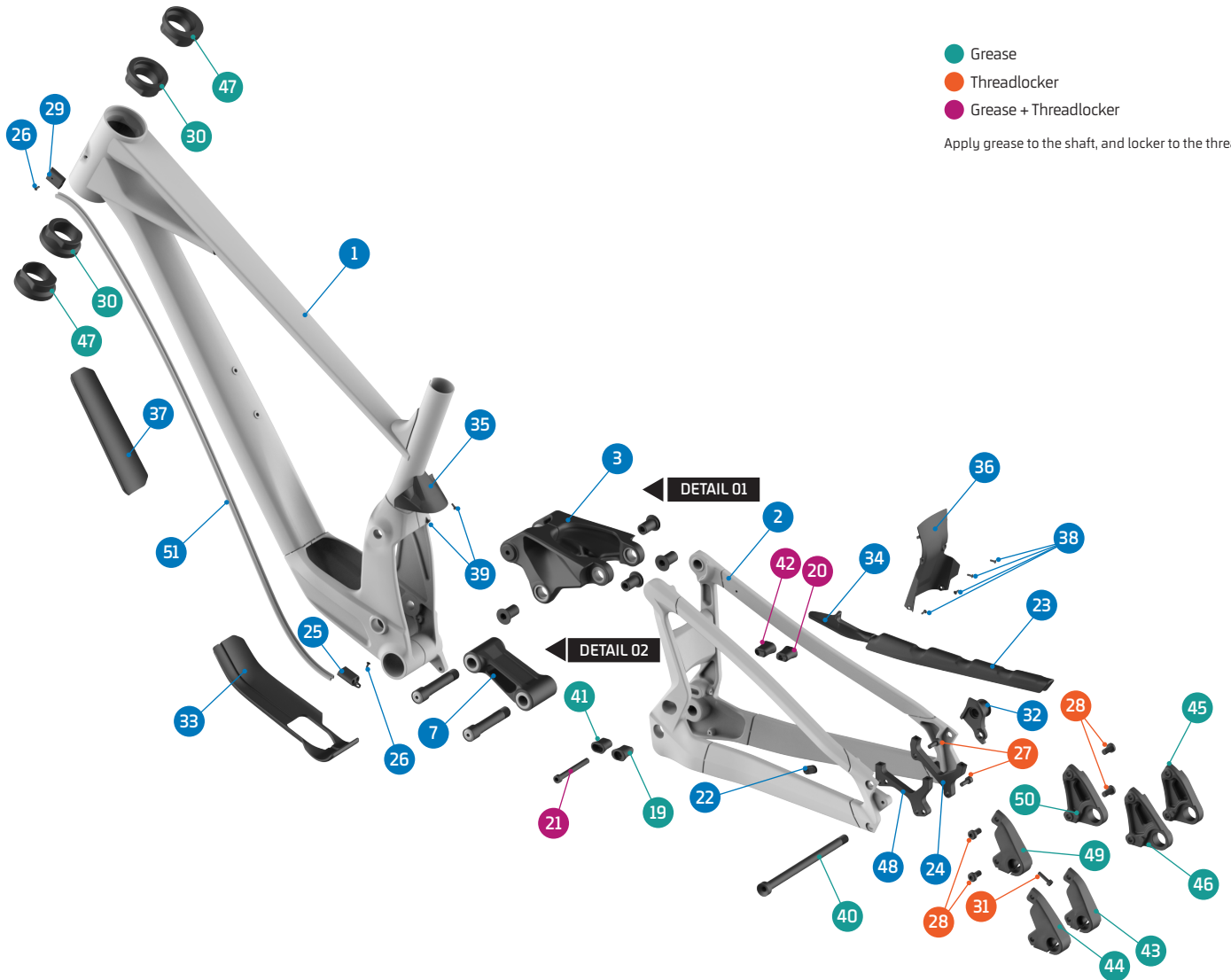
5
6 N.m



Asegúrate de que los tornillos sean lo suficientemente largos para que la rosca agarre por completo. Usar un tornillo demasiado largo podría dañar la tapa de la dirección.



14. SPARE PARTS



ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
1	FRAME	1		
2	REAR TRIANGLE	1		
3	UPPER LINK	1	Refer to B2B web for color options	
4	PIVOT AXLE, M15	4	SET 3	17Nm
5	SHOCK BOLT	2	SET 2	8Nm
6	BEARING, 24x15x7 3802V-2RS	10	SET 1 / 099.00113	
7	LOWER LINK	1	099.26072	
8	C-RING	6	SET 2 & 3	
9	SPACER, 10x17x6	2	SET 2	
10	PIVOT SEAL, EXTERNAL	10	SET 2,3,4 & 9	
11	PIVOT SEAL, INTERNAL	6	SET 2, 3 & 9	
12	PIVOT WASHER	4	SET 3	
13	PIVOT AXLE, 88L	2	SET 4	12Nm
14	SPACER, 38L	2	SET 4	
15	WASHER, 6x10x1t	2	SET 4	
16	TAPER NUT	2	SET 4	
17	SCREW BOLT, M6x25	2	SET 4	8Nm
18	SPACER, LOWER	4	SET 4	
19	SHOCK FLIPCHIP CENTER	1	099.26073	
20	SHOCK FLIPCHIP DRIVE SIDE CENTER	1	099.26074	
21	SHOCK BOLT, 65L	1	SET 2 / 099.25038	10Nm
22	CABLE RUBBER	1	989.13010	
23	CHAINSTAY PROTECTOR	1	099.25016	
24	DISC MOUNT	1	SET 5	
25	CABLE GUIDE	1	099.22017	
26	SCREW BOLT, M3x8	2	099.20068	1Nm

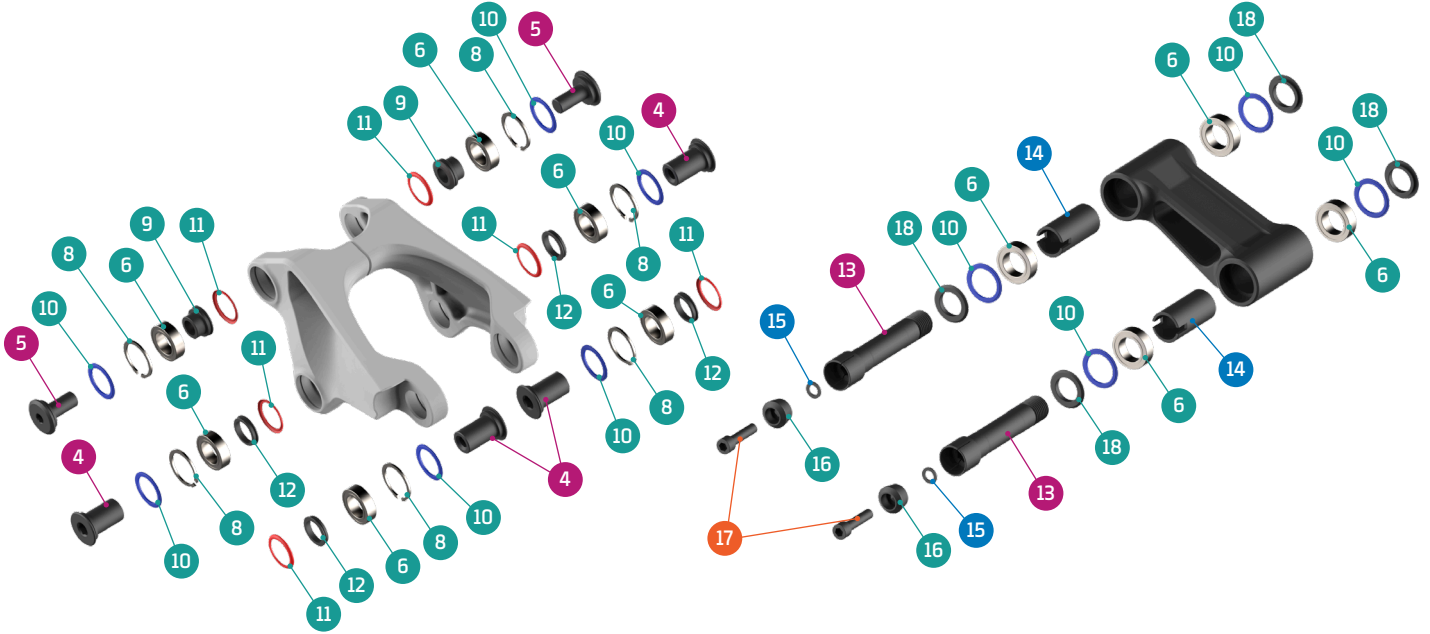
ITEM No.	DESCRIPTION	QTY.	PART NUMBER	TORQUE
27	SCREW BOLT, M6x15	2	SET 5	12Nm
28	SCREW BOLT, M8x15	4	099.26085	15Nm
29	CABLE GUIDE HEAD SET	1	099.22018	
30	HEADSET CUP CENTER	2	099.26075	
31	SCREW BOLT, M5x18	1	SET 6, 7 & 8	6Nm
32	HANGER	1	SRAM UDH	
33	BOTTOM BRACKET PROTECTOR	1	099.26076	
34	YOKE PROTECTOR	1	099.26077	
35	FT SHOCK FENDER	1	099.26078	
36	RT SHOCK FENDER	1	099.26079	
37	DOWN TUBE PROTECTOR	1	099.26080	
38	SCREW BOLT, M3x8	4	099.20068	1Nm
39	SCREW BOLT, M3x6	2	099.12116	1Nm
40	SUMMUM 26 WHEEL AXLE	1	099.26081	12Nm
41	SHOCK FLIPCHIP HIGH/LOW	1	099.26082	
42	SHOCK FLIPCHIP DRIVE SIDE HIGH/LOW	1	099.26083	
43	DROPOUT -5	1	SET 7	
44	DROPOUT +5	1	SET 8	
45	DROPOUT -5 DRIVE SIDE	1	SET 7	
46	DROPOUT +5 DRIVE SIDE	1	SET 8	
47	HEADSET CUP +/- 5	2	099.26084	
48	DISC MOUNT +/-5	1	099.26086	
49	DROPOUT STANDARD	1	SET 6	
50	DROPOUT STANDARD DRIVE SIDE	1	SET 6	
51	INTERNAL CABLE GUIDE	1	099.21010P	



14. SPARE PARTS

DETAIL 01

DETAIL 02



SET 6 **SET 7** **SET 8** **SET 9**

NEUTRAL DROPOUTS KIT

MINUS 5 DROPOUTS KIT

PLUS 5 DROPOUTS KIT

SEALS KIT



SET 1 **SET 2** **SET 3** **SET 4** **SET 5**

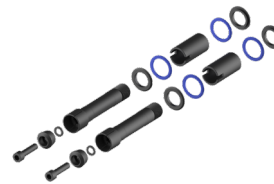
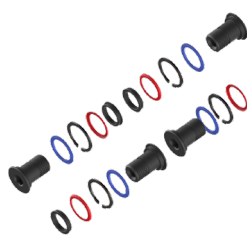
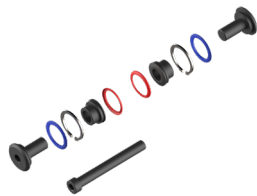
ZERO BEARING KIT 25

SHOCK HARDWARE KIT 24

UPPER LINK KIT 34

SET 4

DISC ADAPTOR KIT



PART NUMBER	DESCRIPTION	COMPONENTS
099.22100	SET 1: ZERO BEARING KIT 25	BEARING 3802-2RS, 24x15x7 (x10)
099.26202	SET 2: SHOCK HARDWARE KIT 24	PIVOT SEAL INTERNAL (x2) / PIVOT SEAL EXTERNAL (x2) / C-RING (x2) / SPACER, 10x17x6 (x2) / SHOCK BOLT (x2) / SHOCK BOLT, 65 (x1)
099.26300	SET 3: UPPER LINK KIT 34	PIVOT WASHER (x4) / PIVOT SEAL INTERNAL (x4) / PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE, M15 (x4) / C-RING (x4)
099.26401	SET 4: LOWER LINK KIT 39	PIVOT SEAL EXTERNAL (x4) / PIVOT AXLE 88L, (x2) / SCPACER, 38 (x2) / WASHER (x2) / TAPER NUT (x2) / SCREW BOLT, M6X25 (x2) / SCPACER LOWER (x4)
099.25018	SET 5: DISC ADAPTOR KIT	DISC ADAPTOR (x1) / SCREW BOLT (x2)
099.26087	SET 6: NEUTRAL DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT STANDARD (x1) / DROPOUT STANDARD DRIVE SIDE (x1)
099.26088	SET 7: MINUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT -5 (x1) / DROPOUT -5 DRIVE SIDE (x1)
099.26089	SET 8: PLUS 5 DROPOUTS KIT	SCREW BOLT REAR AXLE M5x18 (x1) / DROPOUT +5 (x1) / DROPOUT +5 DRIVE SIDE (x1)
099.26062	SET 9: SEALS KIT	PIVOT SEAL INTERNAL (x8) / PIVOT SEAL EXTERNAL (x10)



15. CINEMÁTICA

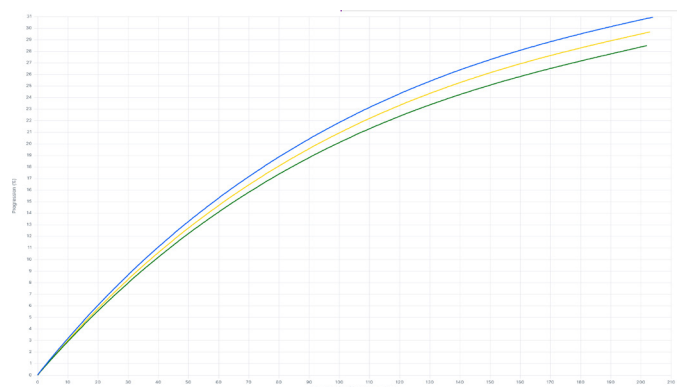
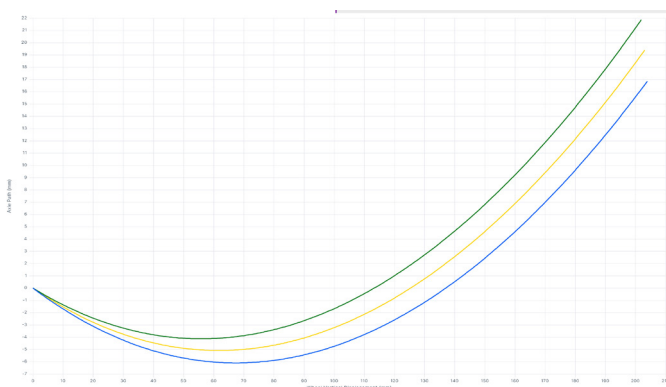
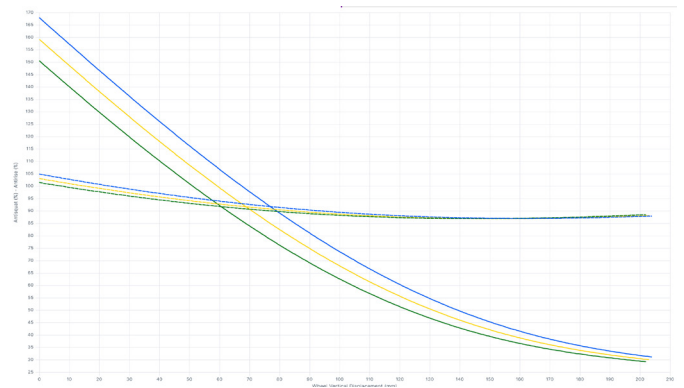
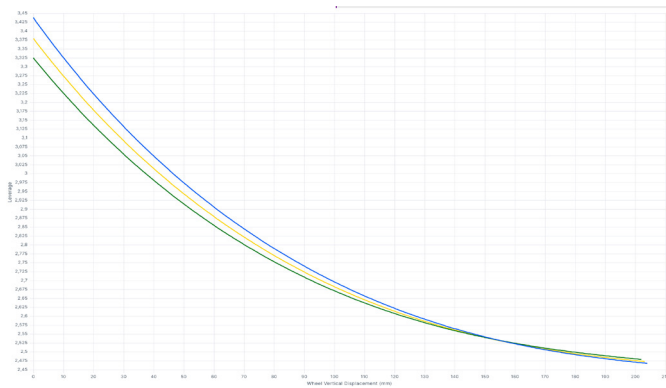
La cinemática de la nueva Summum, así como su geometría, se basan en gran parte en el desarrollo llevado a cabo por el equipo MFR sobre el prototipo de la Summum durante la temporada, teniendo siempre en cuenta que el abanico de usuarios será mucho más amplio. Del rango de ajustes del prototipo Summum, hemos seleccionado los que creemos que se adaptarán a un mayor número de perfiles de ciclistas.

Respecto al prototipo original de la Summum, hemos realizado algunos cambios para obtener un menor ratio de apalancamiento en el primer 50% del recorrido, buscando un buen soporte; a partir de ese punto, hemos aumentado el ratio para reducir la progresividad y aprovechar todo el recorrido.

Hemos diseñado un flip chip en el anclaje inferior del amortiguador que modifica principalmente la geometría, pero también el punto de inicio del ratio de apalancamiento y la progresividad en un 1,5%. Es una pequeña modificación, pero puede resultar muy interesante para adaptar la bicicleta a diferentes preferencias, terrenos o amortiguadores.

A continuación, encontrará la información habitual y el ajuste "estándar" comparado con las distintas posiciones del flip chip. Amarillo = "estándar", verde = -3.5 (posición baja) y azul = +3.5 (posición alta).

Muelles recomendados para el amortiguador trasero: M 450 lb/in, L 500 lb/in y XL 550 lb/in.





16. FAQs

¿PUEDO CAMBIAR MI EL DIÁMETRO DE LAS RUEDAS DE MI SUMMUM?

La bicicleta está desarrollada para usarse con un set-up "mullet" de 29" en la rueda delantera y trasera de 27.5" por lo que no recomendamos montar otra combinación por las implicaciones geométricas y cinemáticas que conlleva.

¿PUEDO MONTAR UNAS RUEDAS BOOST 148X12 EN SUMMUM?

No, Summum es únicamente compatible con bujes traseros con medidas 12 x 157 mm.

¿CUÁL ES EL TAMAÑO MÁXIMO DE DISCOS DE FRENO QUE SE PUEDE MONTAR EN SUMMUM?

En esta versión podrás instalar discos hasta de 220mm, tanto delante como detrás.

¿CUÁL ES EL BALÓN MÁXIMO DE NEUMÁTICOS QUE SE PUEDE MONTAR EN SUMMUM?

Summum es compatible con neumáticos delanteros hasta de 2.6": 29 x 2.6" y detrás 27.5 x 2.6" (66 mm de ancho)

¿EN QUE MODELOS ESTÁ INCLUIDO EL KIT DE GEOMETRÍA?

El kit de geometría está incluido en todos los modelos de Summum MY26 en adelante y también en el kit de cuadro suelto.

¿EN QUÉ CONSISTE EL KIT DE GEOMETRÍA QUE SE ADJUNTA CON LA SUMMUM?

El Kit incluido con la bicicleta y el cuadro suelto, consta de estas piezas:

- Dos juegos de cazoletas para ajustar el REACH: +5 mm / 0 / - 5 mm
- Flip-chip excéntrico para variar las posiciones del amortiguador
- 2 punteras extras para variar la longitud de vainas: +5 mm / - 5 mm

Con este kit podrás personalizar la Summum a tus preferencias, o hacer una adaptación al terreno en cada momento, y de una manera muy sencilla.

AHORA HAY TRES POSICIONES DE AJUSTE EN EL FLIP-CHIP, ¿CÓMO FUNCIONA?

Para realizar un cambio de posición en el flip-chip solo necesitas cambiar por el otro flip-chip excéntrico que viene adjuntado en el KIT de geometría, aprovechando el tornillo inferior del amortiguador. Con estas piezas, y sus posiciones en los extremos podrás cambiar a las posiciones de geometría HIGH o LOW. La intermedia viene instalada de serie.

¿QUE CONSEGUIMOS CON ESTAS TRES POSICIONES DE AJUSTE DEL FLIP-CHIP DEL AMORTIGUADOR?

El flip-chip del amortiguador tiene tres posiciones, HIGH – STANDARD – LOW, y con esto podrás mover la caja de pedaliar +5 mm/0/- 5mm, que es el cambio más notable a nivel geométrico. También modificaremos el ángulo de dirección 0.35° (-0.35 en LOW position; + 0.35° en HIGH position) con una ligera variación del reach en 4 mm (-4 mm en LOW position; +4 mm en HIGH position)



16. FAQs

¿QUÉ AMORTIGUADORES SON COMPATIBLES CON SUMMUM MY26?

El modelo Summum ha sido diseñado para poder montar la mayoría de los amortiguadores del mercado con las siguientes especificaciones:

Medida métrica 225x75mm

Anclaje Trunnion superior

Casquillo inferior 30x8mm

¿QUE TIPO DE TRANSMISIONES SON COMPATIBLES CON ESTE NUEVO MODELO SUMMUM?

El cuadro ha sido desarrollado para utilizar indistintamente cambios con anclaje directo al cuadro T-Type o con anclaje a través de patilla de cambio UDH por lo que podrás montar la mayoría de los cambios traseros disponibles en el mercado.

¿ES COMPATIBLE CON HORQUILLA DE PLETINA SIMPLE ESTE MODELO SUMMUM?

La bicicleta ha sido desarrollada para usarse con horquillas de doble pletina, que tienen el tubo de dirección 1-1/8 en toda su longitud. Por norma general, las horquillas de pletina simple suelen contar con tubos tapered, 1-1/8" – 1-1/2" que no son compatibles con el sistema ARS (Adjustable Reach System) de la dirección.

¿PARA QUE SIRVE EL ANCLAJE DEL TUBO DIAGONAL?

Al ser una bici desarrollada en competición, creemos que muchos usuarios querrán utilizar algún sistema de telemetría en las carreras, por lo que ya habría un punto donde fijarlo. Eso no quita, que puedas montar un portabidón para llevar un bidón de agua, o que quieras anclar ahí tus recambios en los días mas aventureros.

SI MODIFICO LA LONGITUD DE LAS PUNTERAS CAMBIANDOLAS POR LAS QUE SE INCLUYEN EN EL KIT DE GEOMETRÍA, ¿QUÉ MÁS TENDRÍA QUE MODIFICAR?

En caso de que instales otras punteras que no sean la STANDARD (o LONG, + 5mm o SHORT, -5 mm), también deberás colocar el adaptador de freno multi-posición para que la pinza y el eje de rueda trasero siempre tengan la misma relación de distancia.

¿ES ESPECÍFICO EL GUIACADENAS QUE USA EL MODELO SUMMUM?

El guiacadenas es anclaje ISCG 05 pero el patín superior es necesario que sea corto, ya que puede haber una incompatibilidad si se emplea la guía superior larga porque pudiera interferir con el cuadro.



16. FAQs

¿QUÉ TALLA DE BICICLETA NECESITO?

El modelo Summum es multi-ajustable por lo que podrás conseguir múltiples posibilidades jugando con el kit de geometría. Además, en este tipo de bicicleta, el uso y preferencias de riding determinaran mucho el ir en una talla superior o inferior (preferencias como tener más estabilidad o preferir una mayor maniobrabilidad, etc. pueden determinar elegir una talla mayor o menor, por ejemplo).

¿CÓMO SE INSTALAN LAS CAZOLETAS DEL AJUSTE DE REACH EN EL MODELO SUMMUM?

El sistema ARS (Adjustable Reach System) se ha concebido para que el cambio de las cazoletas sea sencillo y rápido, por lo que se instalan y se desmontan a mano. Lógicamente es importante colocar ambas cazoletas con la misma posición de Reach, tanto en la parte superior como inferior de la pipa de la dirección.



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