



G5-X

assembly
support manual

EN

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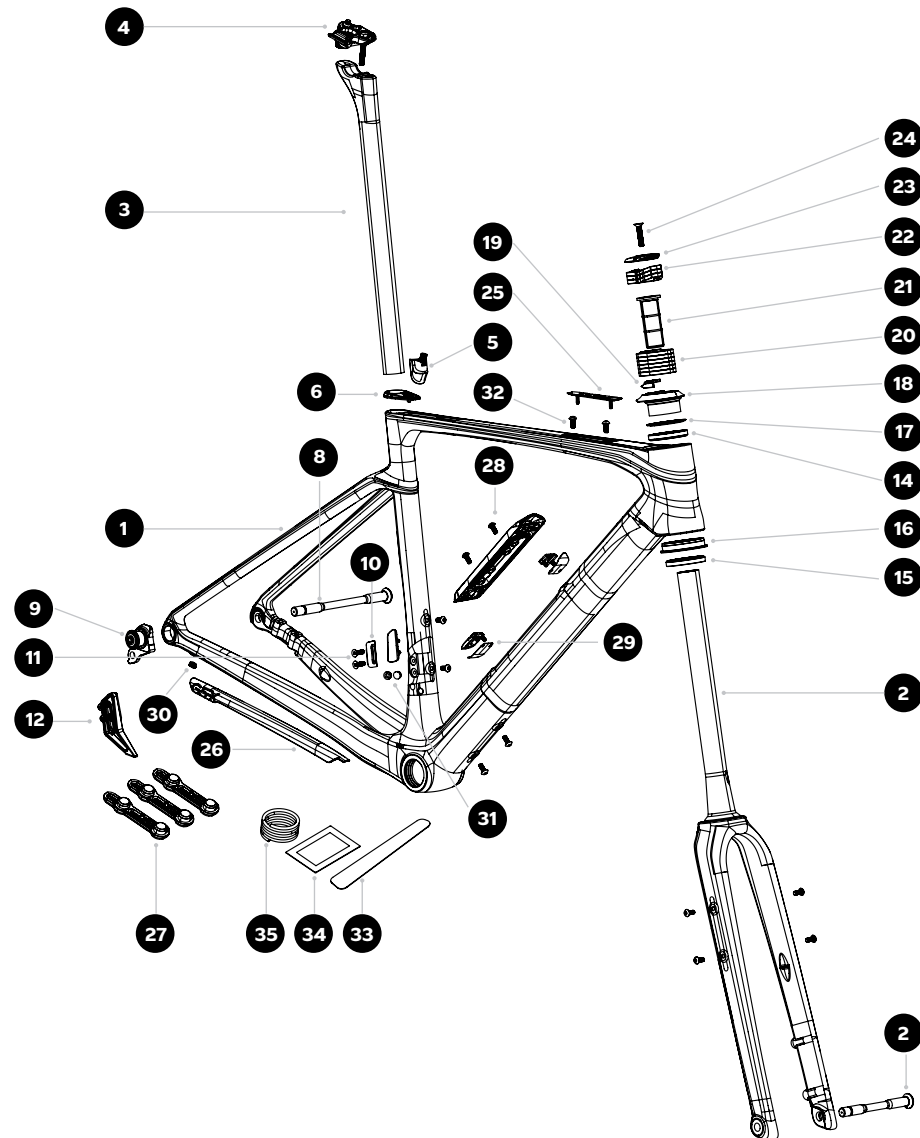
General Information

This manual is a guideline for the official Colnago retailers in the assembly and adjustment of the Colnago G5x bicycle. It assumes that the assembler is a well-trained professional bicycle mechanic, and, furthermore, it is not intended to replace any assembly and service instruction provided by third-party component manufacturers. All the pictures in the manual are presented to clarify the assembly procedure; real components might slightly differs from the ones in the pictures. This manual shows only the procedure associated with the installation of Colnago parts, as well as the routing of shifting and braking cables. All the Colnago proprietary parts listed below are available only through Colnago and/or its authorized distributors. Failure to use the specified parts and to follow these assembly instructions may lead to serious injury or death.



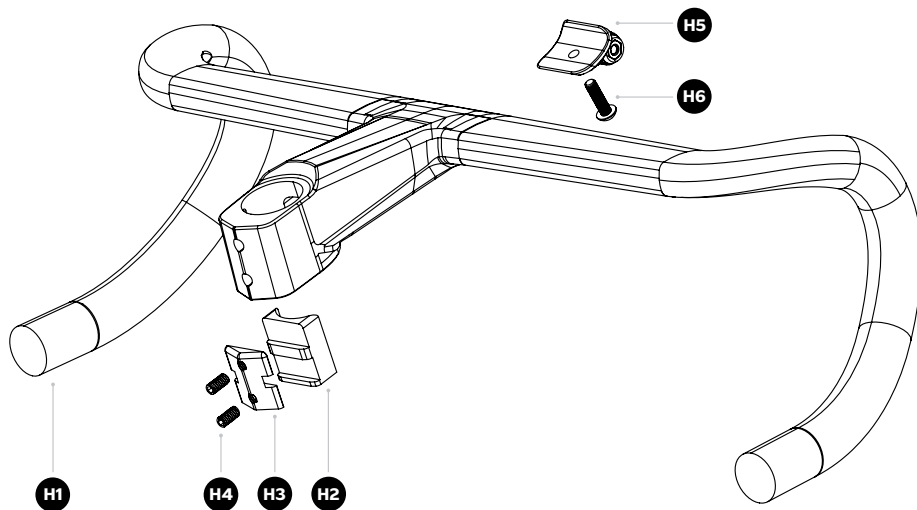
G5x frame-kit

List of Parts



ITEM NO.	DESCRIPTION	QTY
1*	G5x - Painted Frame	1
2*	G5x - Painted Fork	1
3	Colnago Seatpost 27,2 mm -15 mm offset - 400 mm	1
4	Colnago Seat Clamp kit - 2 bolts	1
5	G5X Seatpost Clamp	1
6	G5X Seatpost Rubber Grommet	1
7	Threaded Thru-Axle UDH Front 12 mm	1
8	Threaded Thru-Axle UDH Rear 12 mm	1
9	UDH Hanger	1
10	Front Derailleur hanger	1
11	M5x15 Flat head screw - Colnago logo	2
12	Chain Guide Gravel	1
13	FD Cover G5X	1
14	HS Upper Bearing 42x52x7	1
15	HS Lower Bearing 40x52x7	1
16	Lower bearing cup alloy 1-1/2	1
17	IPS sealing protection 42-45°	1
18	Compression cup G5X to CC.01	1
19	Rubber Sealing Compression cup G5X to CC.01	1
20	Spacer 5 mm CC.01 -bottom - Open	6
21	Expander Racing Ø23,5; L 60,5 mm	1
22	Spacer 5 mm CC.01 - top - Closed	3
23	CC.01 Top cap - round fork	1
24	M6x30 Flat head screw black	1
25	Top tube screw cover G5X	1
26	Chain shield CC.01	1
27	Fidlock adapter	3
28	Colnago removable plate DT - Fidlock adapter	1
29	Clamp integrated bottlecage DT	1
30	Rubber grommet CS Di2	1
31	Drilled cap Di2	1
32	Low Head Hex Drive Screw M5x12 - colnago logo	12
33	Chain guard sticker transparent	1
34	Grease Sample	1
35	Foam hose 800 mm	1

CC.01 Wide - kit: List of Parts



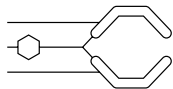
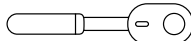
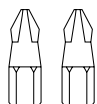
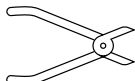
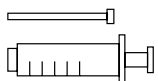
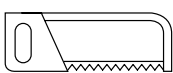
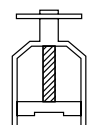
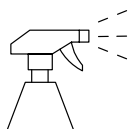
ITEM NO.	DESCRIPTION	QTY
H1	Colnago CC.01Wide integrated carbon cockpit	1
H2	Pushing Block CC-01 - 1	1
H3	Pushing Block CC-01 - 2	1
H4	M6x10 headless screw	2
H5	Head unit support	1
H6	M5x12 Bottom head screw	1

List of Recommended Tools and Supplies

The following tools and parts listed are required for mounting and adjusting procedures of Colnago parts. Colnago recommends any intervention on the bike to be performed by an authorized Colnago retailer.

Refer to each specific mounting procedure and requirements for the assembly of a specific component, provided its own manufacturer.

NOTE: If you are a Colnago G5x consumer/purchaser reading this manual, we suggest you consult your authorized Colnago retailer before undertaking any procedure in this manual.

Bike SupportStand 	Allen key key 2 ÷ 12 mm 	Torque wrenches with 2.5 Nm to 25 Nm 
Phillips and slot head screw-driver 	Pedal wrench 	Cable cutters 
Pliers 	Brake rotor locking tools (inner and outer) 	Di2 wire tool -Shimano 
Hydraulic bleed kit 	Hacksaw (with carbon blades) 	Saw cutting guide 
High quality grease & carbon assembly compound for bikes 	Isopropyl alcohol 	

Seatpost installation

3	Colnago Seatpost 27,2 mm -15 mm offset – 400 mm	
4	Colnago Seat Clamp kit – 2 bolts	
5	G5X Seatpost Clamp	TORQUE 7 Nm
6	G5X Seatpost Rubber Grommet	

Step 1: Assemble the seatpost clamp pushing block with its dedicated screw (N. 5), then insert the assembly into the seat tube, ensuring it is correctly seated in its housing. Secure the clamp to the frame by turning the clamp screw counterclockwise until it reaches the end of the thread. To facilitate installation and removal, it is recommended to apply a small amount of grease between the pushing block and the screw. It is highly recommended to use grip paste between the seat post and the seat clamp.

Step 2: Fit the appropriate G5X rubber grommet (N. 6) onto the seatpost (N. 3), then insert the seatpost into the seat tube. Adjust the saddle to the desired height and tighten the clamp screw to 6 Nm to prevent the seatpost from slipping.

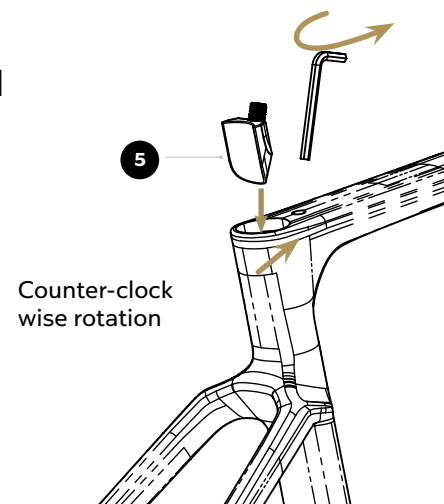
Step 3: Position the rubber grommet so that it fully covers and protects the rear clamp screw.

NOTE:

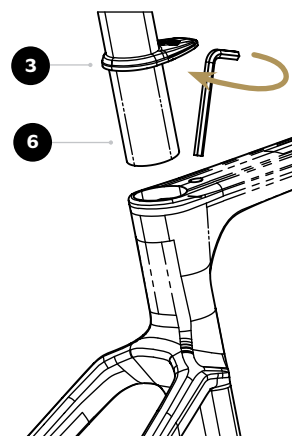
Apply carbon assembly compound to both the inner surface of the seat tube and the carbon seatpost.

After installation, always support or clamp the bicycle by the seatpost only, ensuring the seatpost is securely tightened. Never clamp the frame by the top tube, as this may cause damage and void the frame warranty.

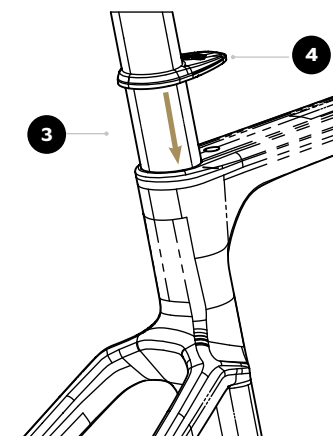
Step 1



Step 2



Step 3

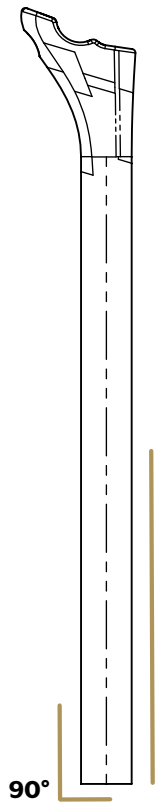


Seatpost installation

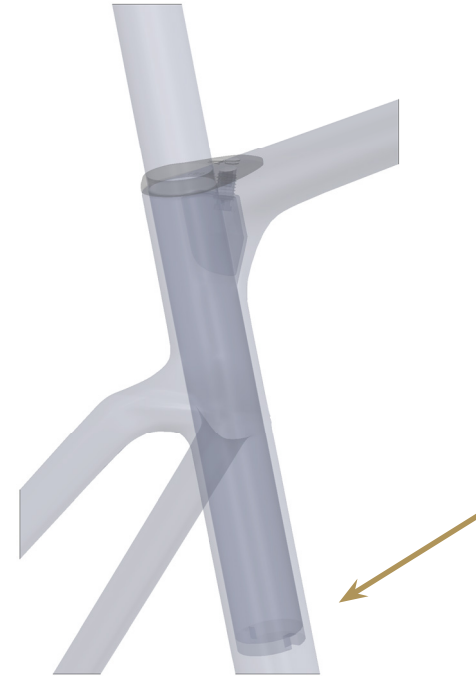
Seatpost cut

It is possible to cut the seatpost if it is too long. In this case:

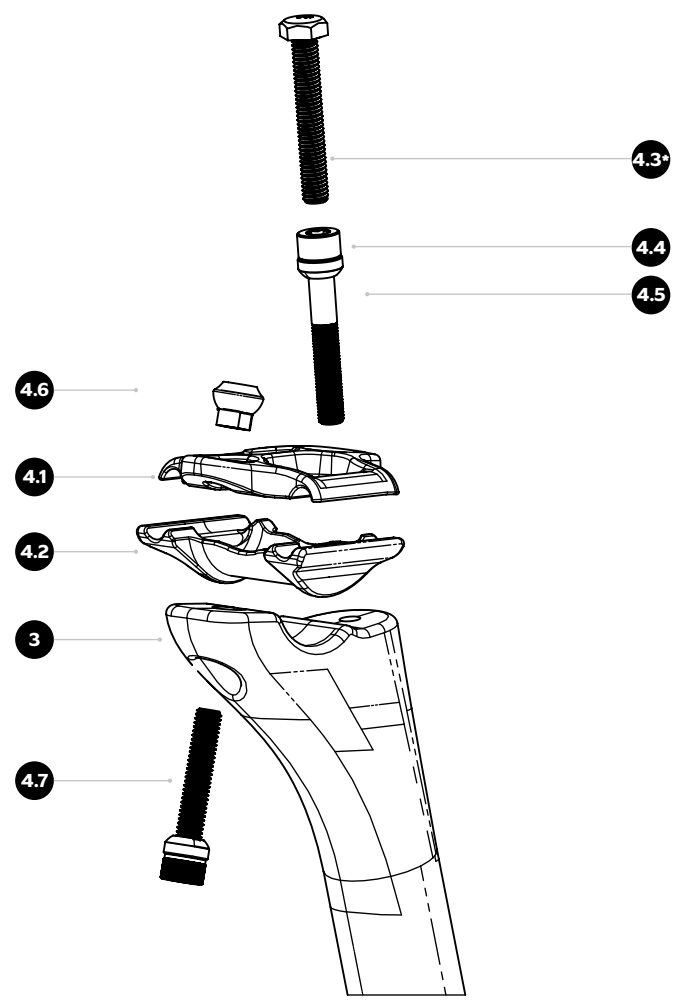
- Use the proper tool to prevent carbon fiber delamination.
- Cut the seatpost at a 90° angle.
- Always maintain a minimum insertion depth of 90 mm



Colnago G5X features a seatpost stopper to prevent damage caused by excessive seatpost insertion. The stopper depth varies depending on the frame size. If the seatpost cannot be inserted any further, do not apply additional force. Instead, the seatpost must be cut to the appropriate length.



Saddle clamp installation

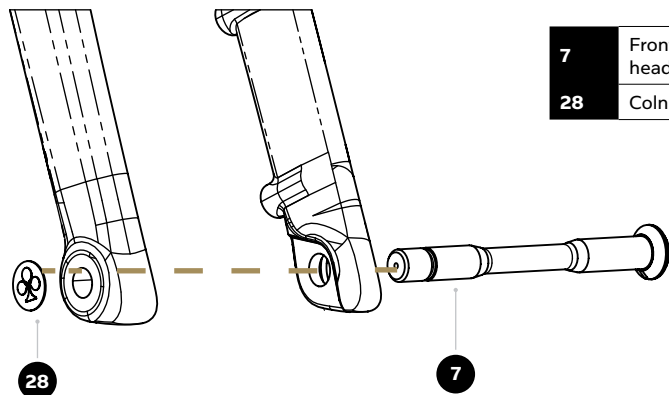


3	Colnago Seatpost 27,2 mm -15 mm offset – 400 mm
4.1	Saddle Clamp - Top
4.2	Saddle Clamp - Bottom
4.3*	M6x40 Hex Head Screw
4.4	M6x40 Socket Head Screw
4.5	Spherical Washer M6 - 2 pcs
4.6	M6 Custom Nut
4.7	M6x35 Socket Head Screw

TORQUE 8 Nm

The saddle clamp kit is provided both with socket (N. 4.4) and hex (N. 4.3) head M6x40 front screws. The second one is recommended to ease the mounting of closed saddles.

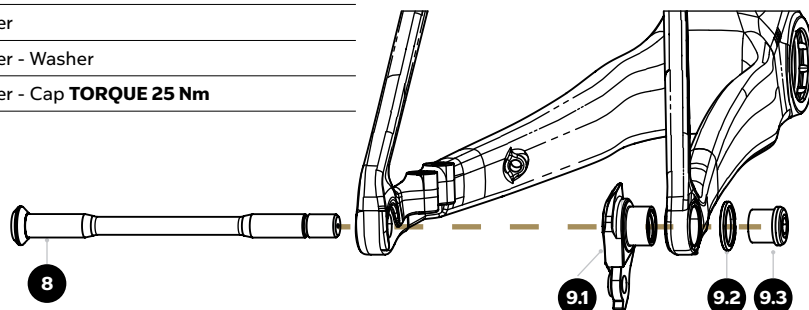
Front axle installation



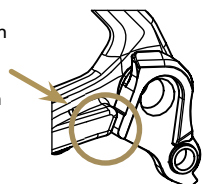
7	Front 100 mm thru-axle 6 mm hex head TORQUE 10 Nm
28	Colnago Logo round adhesive sticker

UDH - rear derailleur hanger installation

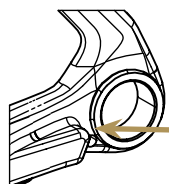
8	Thru-axle UDH - 6 mm hex head TORQUE 10 Nm
9.1	UDH Hanger
9.2	UDH Hanger - Washer
9.3	UDH Hanger - Cap TORQUE 25 Nm



Contact between frame and UDH hanger in the highlighted area

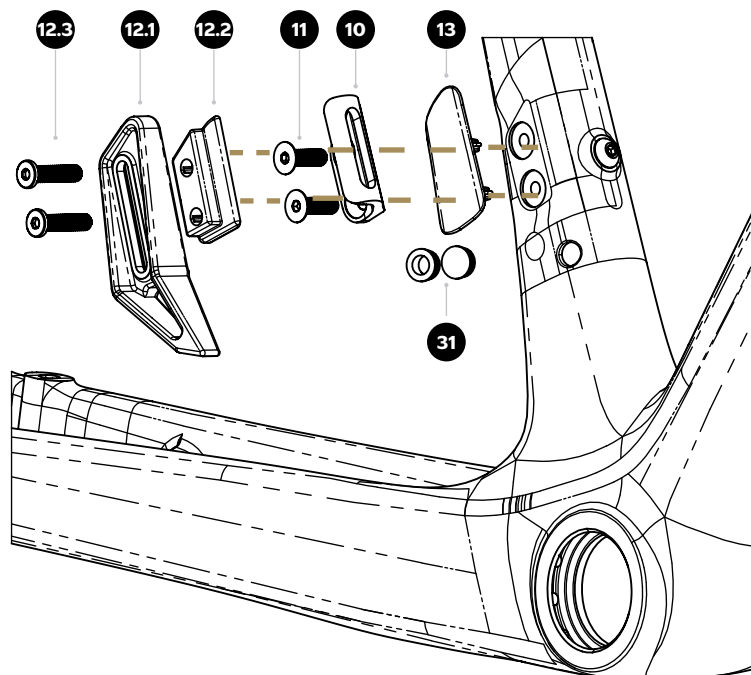


G5X frame features the hole in the dropout to lock Shimano 13s rear derailleur.



Front derailleur hanger installation

10	Front Derailleur hanger
11	M5x15 Flat head screw - Colnago logo TORQUE 3 Nm
12	Chain Guide Gravel TORQUE 3 Nm
13	FD Cover G5X
31	Drilled cap Di2

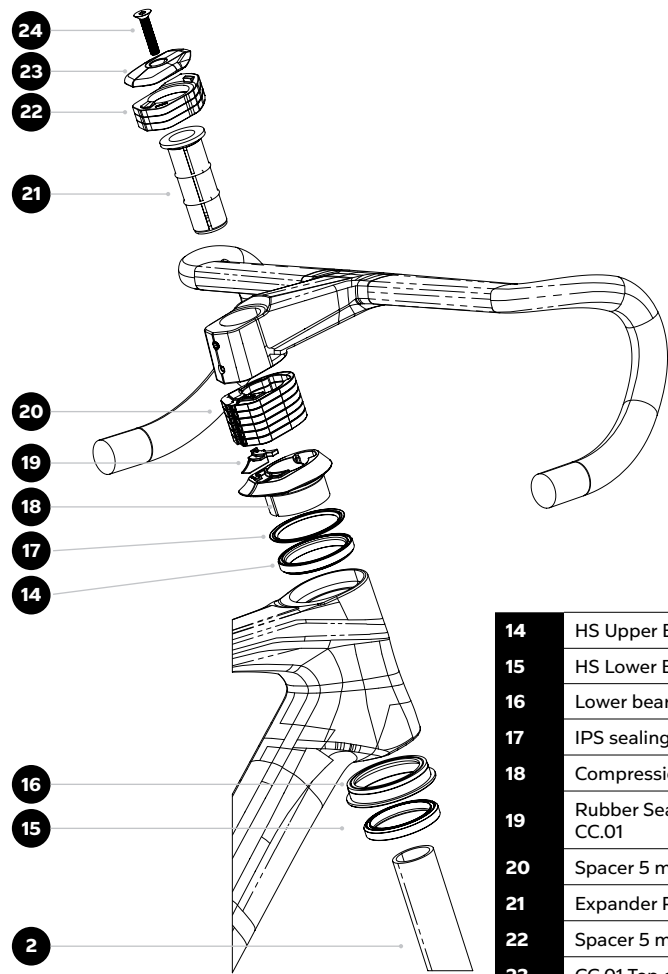


The Colnago G5X frame is compatible with both 2x and 1x drivetrain configurations.

2x drivetrain: Install the standard Colnago front derailleur (FD) hanger and mounting screws (N.10 and N.11). The frame is compatible with: Compact and super-compact road cranksets Gravel-specific 2x cranksets

1x drivetrain: Install the Colnago gravel chain guide (N.12), or, if no chain guide is required, cover the front derailleur mounting holes using the plastic cover (N.13). Max chainring 50T

Fork, headset and handlebar installation

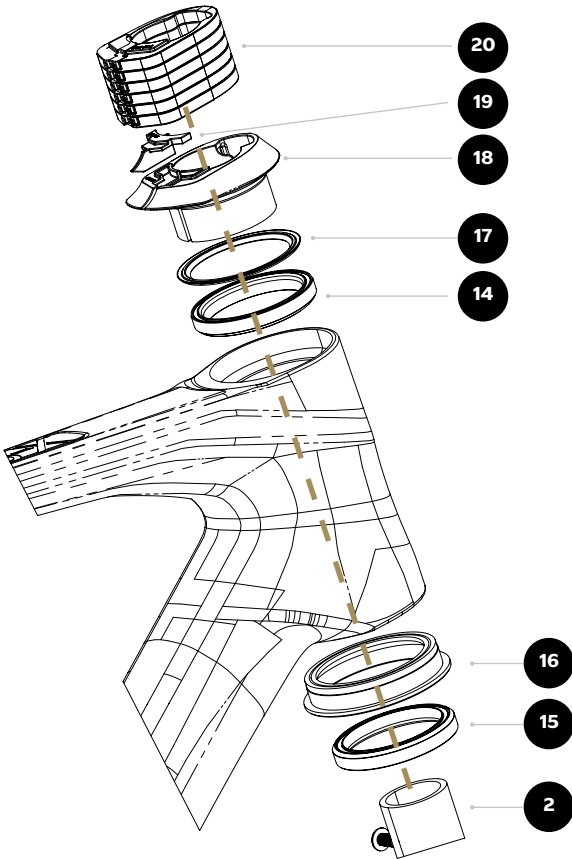


14	HS Upper Bearing 42x52x7
15	HS Lower Bearing 40x52x7
16	Lower bearing cup alloy 1-1/2
17	IPS sealing protection 42-45°
18	Compression cup G5X to CC.01
19	Rubber Sealing Ccompression cup G5X to CC.01
20	Spacer 5 mm CC.01 -bottom - Open
21	Expander Racing Ø23,5; L 60,5 mm
22	Spacer 5 mm CC.01 - top - Closed
23	CC.01 Top cap - round fork
24	M6x30 Flat head screw black

Fork, headset and handlebar installation

Step 1

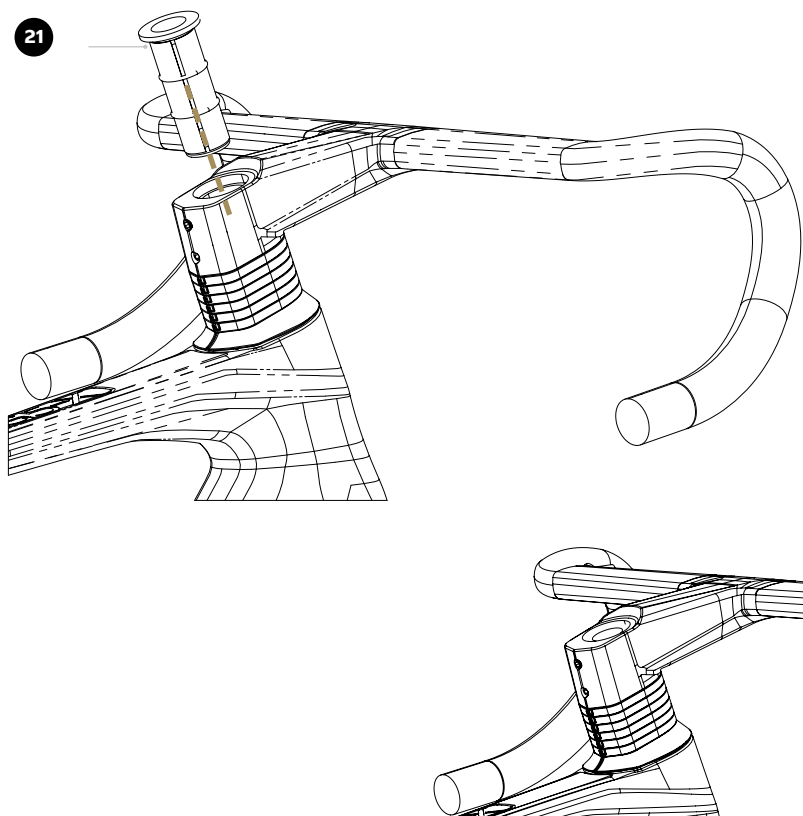
Step 1: Apply the specified grease to the bearing seats and install the two bearings (**N.14** upper and **N.15** lower). Then, install the following components onto the fork steerer tube in the specified order: IPS seal (**N.17**), G5X to CC.01 compression ring (**N.18**), Rubber seal (**N.19**), the required number of spacers (**N.20**)
 Note: The G5X frame features an interference-fit alloy bearing cup (**N.16**). This component is factory-installed and **must not be removed**.



Fork, headset and handlebar installation

Step 2

Step 2: Cut the fork steerer tube to the required length according to the desired spacer stack. After routing the brake hoses through the fork and frame (refer to the Brake Hose Routing section), install the stem/handlebar assembly (refer to the dedicated assembly manual for the CC.01 cockpit or SR10 stem) and the expander (N.21). Tighten the expander to 6 Nm.

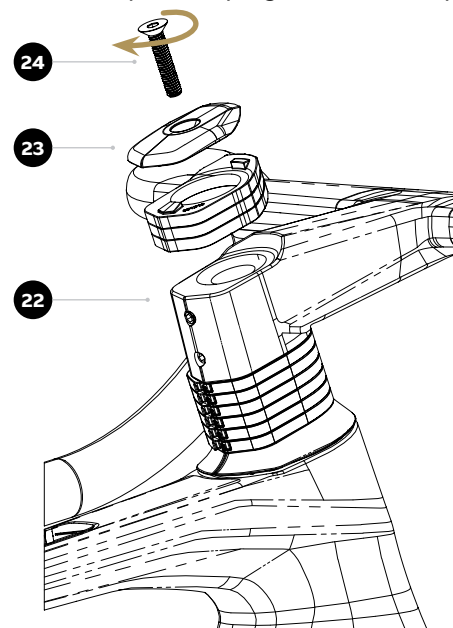


NOTE: once the fork has been cut and the expander fixed, the upper surface of the expander should be about 3 mm lower than the upper surface of the stem or of the last top spacer.

Fork, headset and handlebar installation

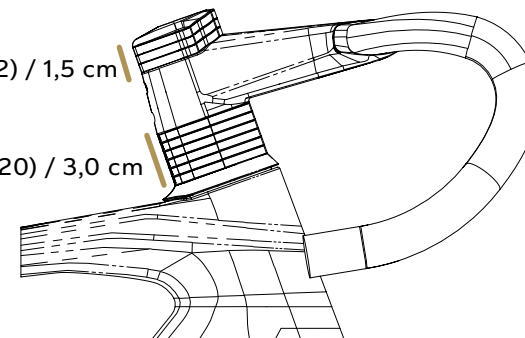
Step 3

Step 3: Install the upper spacers (N.22), if required, followed by the top cap (N.23). Apply the correct headset preload by tightening the M6×30 screw (N.34). Finally, tighten the stem/cockpit clamping bolts to the specified torque.



MAX 3 spacers (N.22) / 1,5 cm

MAX 6 spacers (N.20) / 3,0 cm



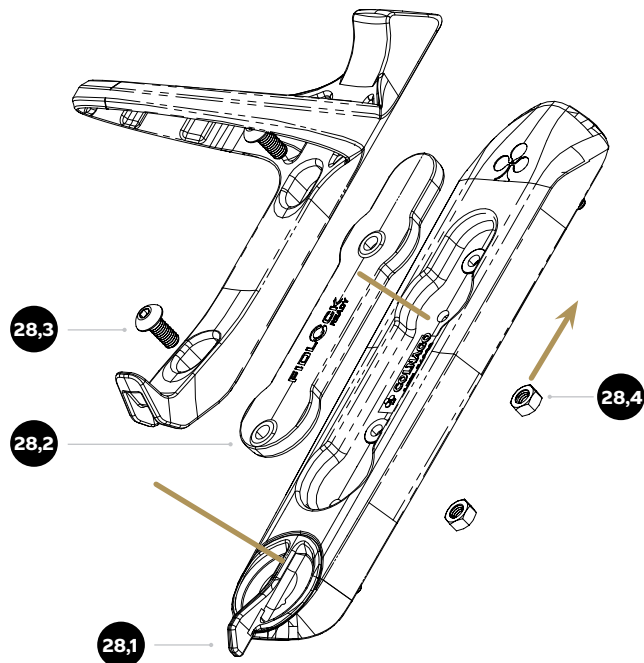
Integrated bottlecage: Fidlock compatible removable plate

Colnago G5X frame features an integrated downtube storage compartment for carrying tools and spare parts. The storage compartment can be accessed by installing either the Colnago-Fidlock compatible removable plate (N.28) or the Colnago integrated bottle cage.

The Colnago-Fidlock compatible removable plate can be assembled in one of the following configurations:

Setup 1 - Standard bottle cage

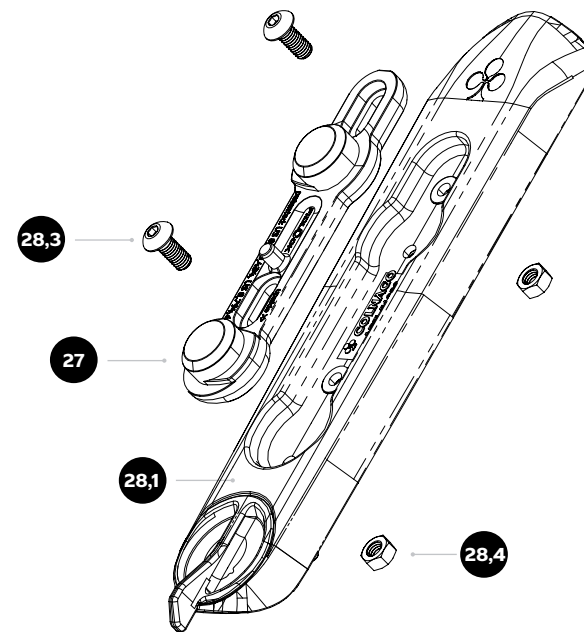
Setup 1: Keeping the lever / lower bottle holder perpendicular to the main body of the bottle cage (N.18), insert the front clamp into the corresponding front mount on the frame.



Integrated bottlecage: Fidlock compatible removable plate

Setup 2 - Fidlock system

Setup 1: Secure one of the three supplied Fidlock TWIST bases (N.27) to the removable plate (N.28.1) using the supplied screws (N.28.3) and nuts (N.28.4).



NOTE: The G5-X frame is supplied with three Fidlock TWIST bases (N.27). These can be installed, according to the rider's preference, in any of the compatible mounting positions on the frame or fork.

Brake hose routing

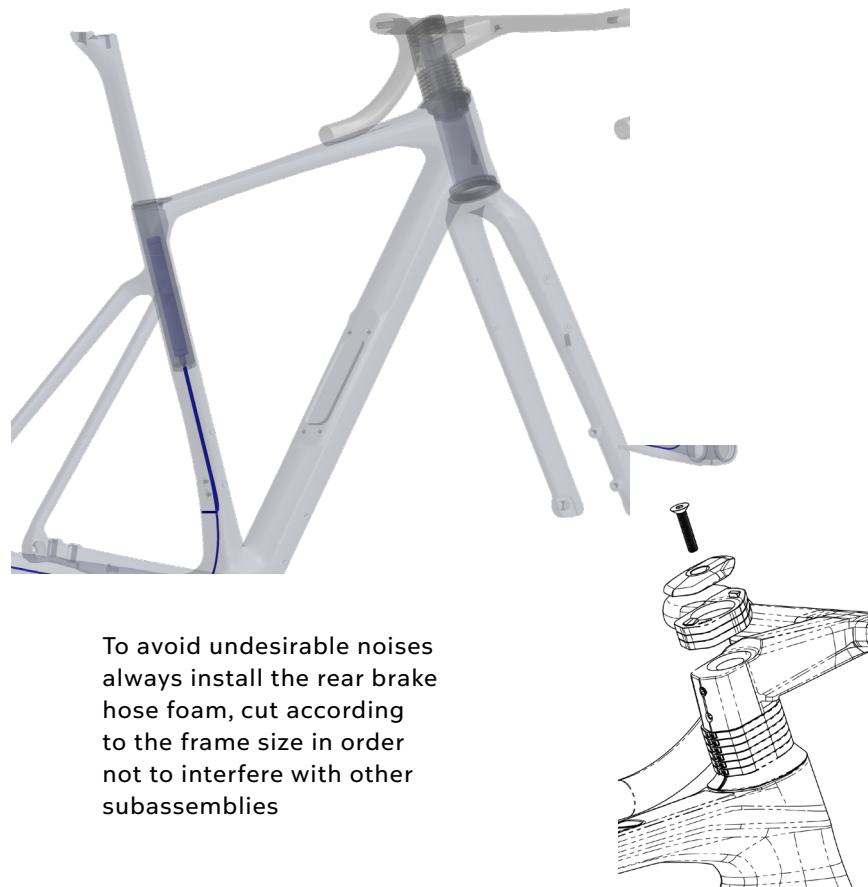
It is recommended that the rear hydraulic brake hose is installed before electric wires. These routing illustrations are intended as a supplement to the installation instructions only. For each specific brake system, please refer to the component manufacturer's service center or website for further information.



To avoid undesirable noises always install the rear brake hose foam, cut according to the frame size in order not to interfere with other subassemblies

Brake hose routing

To ease the procedure it is recommended to route the brake hoses before installing the headset and the Di2 battery. Once installed and routed the rear brake hose in the downtube, with a dedicated wiring tool with magnet in the end, pull the it through the preload bolt hole as shown in the pictures below.



To avoid undesirable noises always install the rear brake hose foam, cut according to the frame size in order not to interfere with other subassemblies

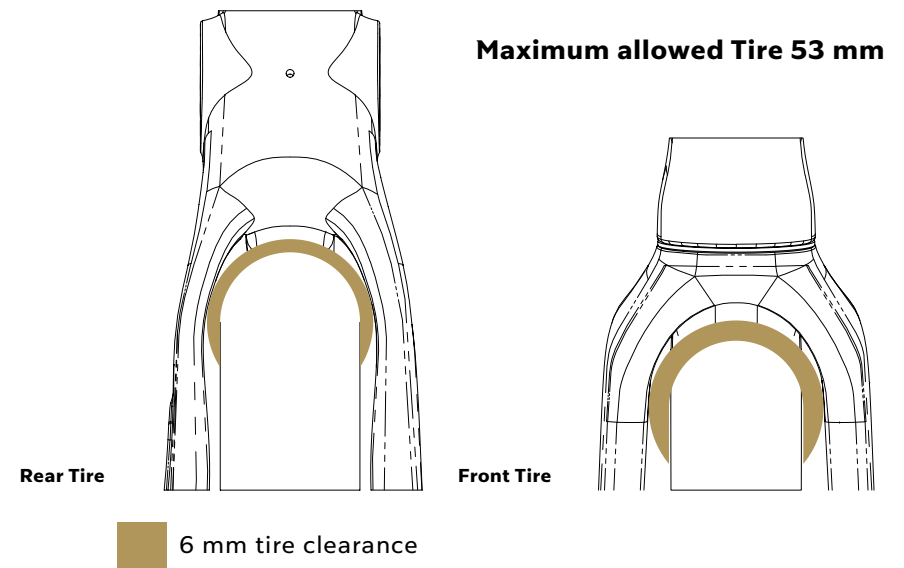
Electric Di2 wire routing

Colnago recommends installing electric cables and junction points after brake hose. The presented routing schematics are intended as a supplement to the groupset manufacturers' installation. For any more detailed information, please refer to the manufacturers' technical manual, website, or service center.



Tire clearance

Colnago frames and forks are designed to comply with ISO 4210-2 standard for tire clearance. For the off-road category, a minimum of 6 mm of clearance must remain between the tire and the frame or fork. The effective width and diameter of the tire can vary depending on the tire brand, the rim geometry and dimension and the tire inflation pressure. Colnago always recommends to check and respect the minimum clearance before choosing both front and rear tire.



NOTE: Contact between the tire and the frame or fork may lead to a component or subassembly failure while riding, with potentially serious injury for the rider. Damage to the bicycle due to non-compliant tire clearance is not covered by the bicycle warranty.

Intended Use for Colnago G5 x

Gravel Racing / All-round bicycle

Intended surface: Colnago G5X is designed for riding on road and off-road terrains with both the tires always in contact with the ground.

Not Intended surfaces and uses: Colnago G5X is not conceived for harsh trails and downhill tracks, freeride and freestyle application.

Colnago G5X is designed for both racing and leisure road and gravel use. Additional cycling specific storage boxes and bags are allowed in the dedicated seats. The robust structure of the bike, the dedicated gravel geometry and the generous tire clearance are conceived to allow all the users (from amateurs to professionals) to enjoy each ride.

WARNING:

Any abuse in the usage is hazardous and may lead to serious consequences.

Weight Limit

Colnago bicycles are tested to a maximum admissible mass* of 110kg.

COLNAGO G5x
Max Admissible Mass
110kg - 242.5lbs

NOTE:

Each component has different weight limits, and if replaced can alter the maximum safe bike weight limit, since the most restrictive one is defining the limit of the whole vehicle. Consult your Colnago retailer about what components are suitable for your Colnago G5x.

*Maximum admissible mass is the sum of the bicycle with all its components (groupset, cockpit, wheels, etc.), plus the rider and any luggage or accessory (head unit, filled bottles, storage mounts, etc.).

Torque and fasteners recommendation

To maintain correct tightening torques of all the threaded fasteners is crucial to your safety. Always tighten fasteners to the correct torque. Too high torques can stretch and deform fasteners. Too low torques can cause unwanted fastener movements leading to unfastening and fatigue failures.

Use only a correctly calibrated torque wrench with a proper scale to tighten critical fasteners on your bike. Carefully check to have the proper tools and follow their manufacturer's instructions on how to set and use the tool for accurate results before attempting any adjustments yourself. Before assembling and tightening any bolts, all threads must be greased with a quality, non-lithium type grease unless the bolt is pre-coated with thread locker. All bolts should have either grease or thread locker - but never both.

Colnago recommends the use of carbon assembly compound/friction paste for all areas of clamping to carbon fiber (seatpost to frame, stem to fork, and handlebar to stem joints). Such a paste reduces corrosion potential, and a decrease in required clamping force needed to support a given load. The paste should be evenly spread on the carbon surface under the clamped area.

WARNING:

In case of any doubt or disagreement or a conflict between the following list and any supplier literature on recommended torque values for original equipment components, please contact a Colnago retailer for review and clarification of the required torque before to keep on with the installation.

Torque setting tab*

Colnago is concerned about the resistance and quality of their frames. In order to guarantee the perfect conservation and durability of the frame over time, is important to maintain it correctly, by using a torque wrench.

REASONS WHY TO USE THE TORQUE WRENCH

1. Ensuring the frame and components are not over tightened which can cause damage or from components loosening from being under tightened. Cracks and damages caused by overtightening the bolts are not covered by Colnago Warranty.
2. Avoiding any harm to the cyclist whilst riding, due to the failure of incorrect installation.
3. Frameset and components benefit from a longer lifespan, even after multiple maintenance and service schedules during its lifetime.

DESCRIPTION	MAX TORQUE (approx.)	TOOL
Rear clamp screws CC.01	4 Nm	4 mm Allen key
Head Unit Support CC.01 /SR10	3 Nm	3-4 mm Allen key
Steering tube expander	6 Nm	6 mm Allen key
Colnago Bottom Bracket cups	30-35 Nm	BSA key
Colnago G5X Seatpost clamp bolt	6 Nm	4 mm Allen Key
Colnago Saddle clamp bolt	8 Nm	5 mm Allen Key
Bottle cage bolts (Seat tube)	2.5 Nm	4 mm Allen Key
Custom bottle cage bolts (Down tube)	2.0 Nm	2 mm Allen Key
Wheel thru-axle	10 Nm	5 mm Allen Key (6 mm for UDH std)
Brake Caliper bolts	6-8 Nm	4 mm Allen Key
UDH Hanger	25 Nm	8 mm Allen key
Front Derailleur hanger /chain guide (on frame)	3 Nm	4 Allen key

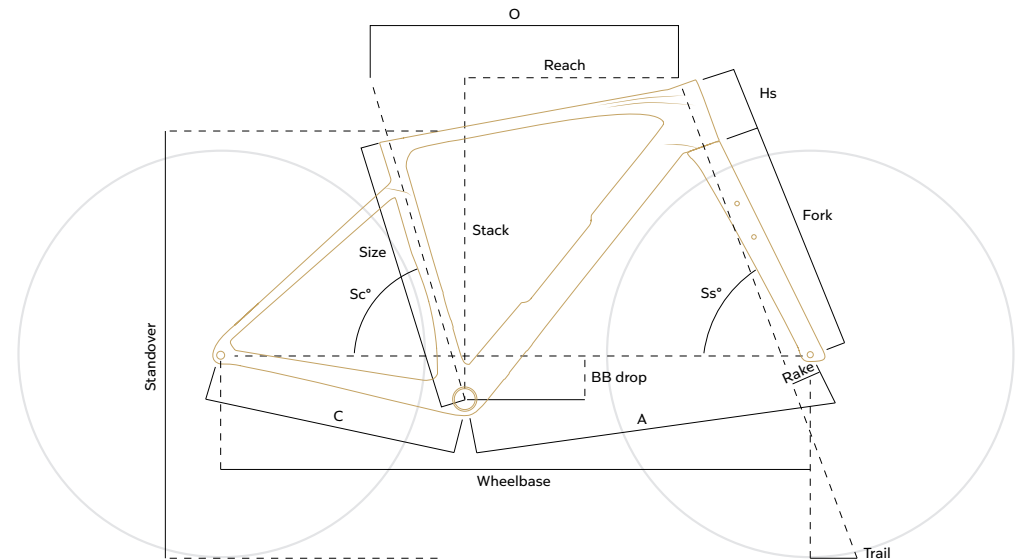
* The presented table includes torque setting indication provided by Colnago. It is always recommended to check indication provided by each specific component' manufacturer.

Technical Information

COLNAGO Y1Rs	
Model Year	2026
Frame Size	420 – 455 – 485 – 510 – 530 – 550 – 570
Available Colors	
Brake Mount Type	Flat Mount disc rear - 160 mm rotor (180 mm with spacer) Flat Mount front 160-180 mm
Chainstay Height (Flat Mount)	20 mm
Wheel Size	700c
BB Type	BSA – 68 mm
Upper Headset Bearing Dimensions	1-1/8; 41x30x7;
Lower Headset Bearing Dimensions	1-1/4; 47x35x7
Seatpost	Round 27,2 mm seatpost
Seatpost Clamp	Custom G5X Seatpost pushing block
RD Hanger	Standard UDH
Front Axle Dimensions	Thru-axle 12mm – 100 mm hub – 1,5 mm pitch
Rear Axle Dimensions	Thru-axle 12mm – 142 mm hub - UDH Thread – 1 mm pitch
Maximum Tire Width (Actual)*	53 mm with 6 mm clearance

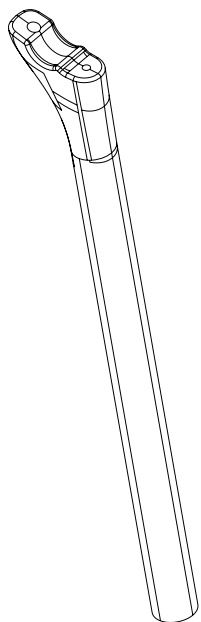
* Tire measurements shall be taken at the widest point and at the maximum diameter when it is installed on the rim and inflated for at least 24 hours. 4 mm of distance is required between the tire and any frame or fork element.

Geometry Chart



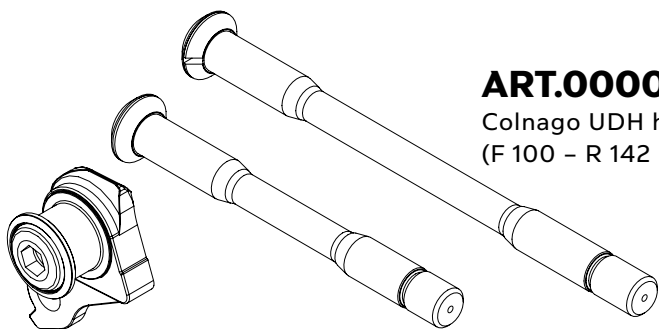
Sloping													
Size	Stack	Reach	Ss°	Rake	Sc°	A	C	BB drop	Wheelbase	Trail 40	Trail 50	Standover	O
45	536	377	70,5	52	74,5	599	435	80	1021	72	76	723	512
48	555	385	70,5	52	74	613	435	80	1036	72	76	750	530
51	573	392	71	52	73,5	622	435	80	1044	68,5	73	780	547
54	591	401	71	52	73	637	435	77,5	1060	68	72	799	567
57	613	411	71,5	52	73	649	435	77,5	1073	65	69	827	584

Spare parts



ART.000051790

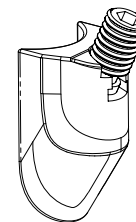
Seatpost round 27,2 x 400 mm – 15 mm offset



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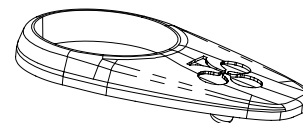
Colnago UDH hanger + thru-axle kit (F 100 – R 142 mm hubs)

Spare parts



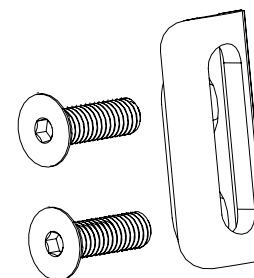
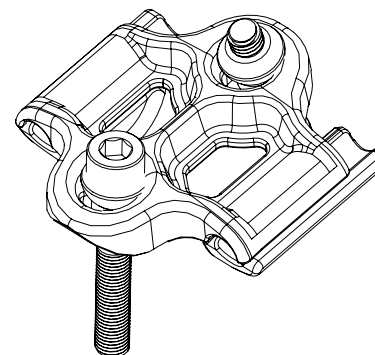
ART.000072325

Seatpost clamp + rubber grommet Colnago G5X



ART.000051595

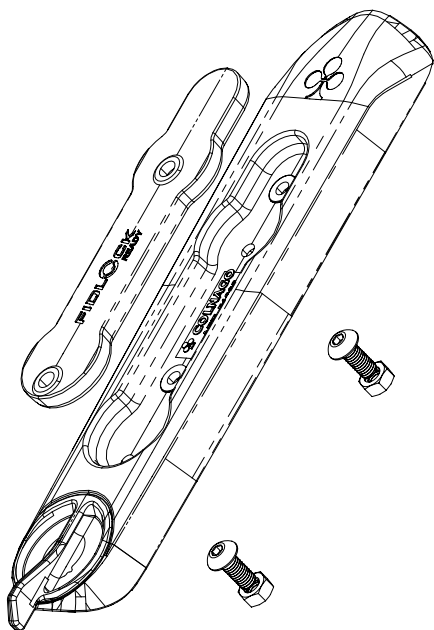
Colnago saddle clamp alloy



ART.000071642

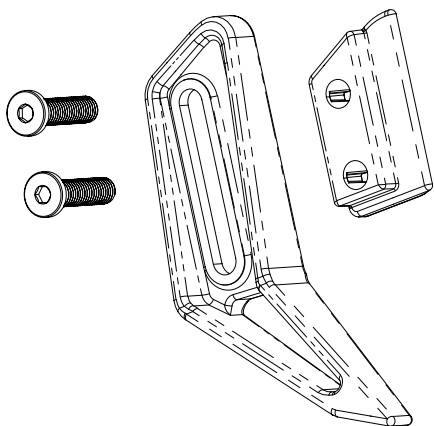
Colnago FD hanger + screws

Spare parts



ART.000051888

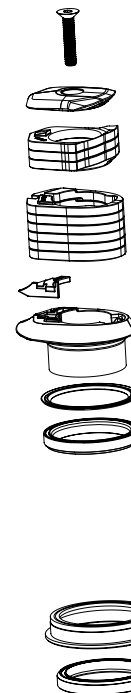
DT bottlecage removable plate +
Fidlock® Twistlock adapter



ART.000051898

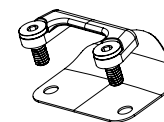
Colnago chainwatcher gravel

Spare parts



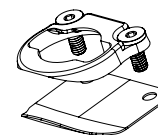
ART.000051904

Headset Kit G5X

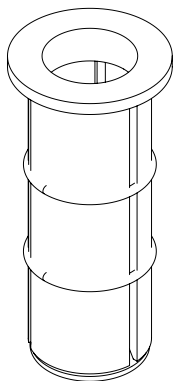


ART.000051872

Removable bottlecage - Frame clamp

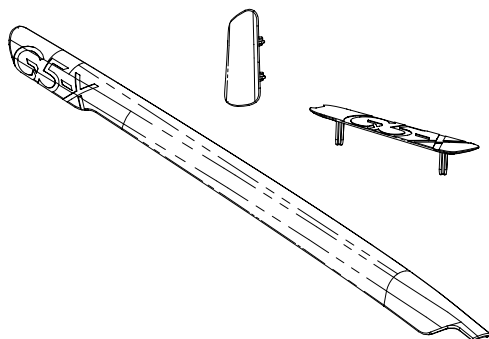


Spare parts



ART.000057077

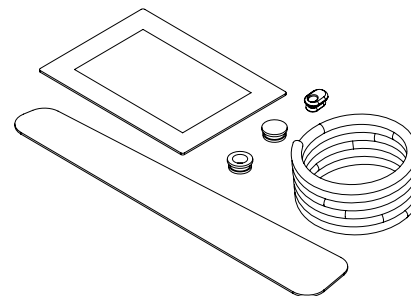
Expander racing round D 23,5 mm
- L 60,5 mm



ART.000072324

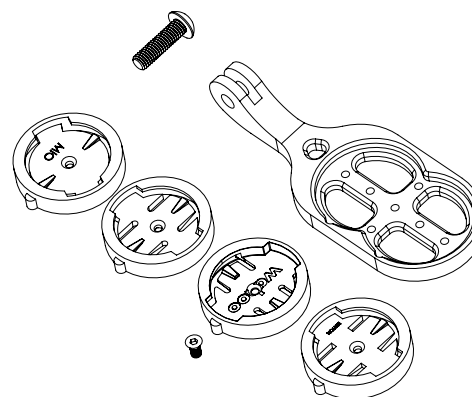
Plastic kit G5X (Chain guide, ST and
TT cover)

Spare parts



ART.000069433

Colnago frame accessory kit



ART.000051603

Universal computer support



colnago.com
info@colnago.com