

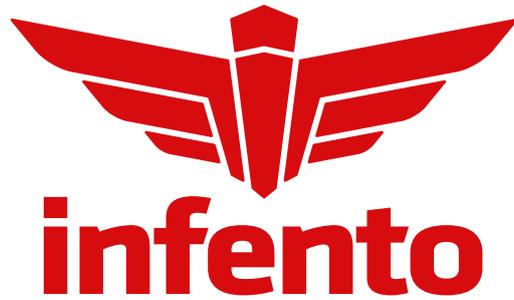
**4-8**  
YEARS

# **SPRINTER**<sup>G1</sup>

CONSTRUCTION MANUAL



|                      |                           |
|----------------------|---------------------------|
| <b>Length</b>        | 105 - 122 cm / 41-48 inch |
| <b>Max weight</b>    | 40kg / 88 lbs             |
| <b>Time to build</b> | 3 hours                   |



World's first real constructible rides



**WARNING - IMPORTANT NOTICE TO PARENTS**

Before you start constructing and use our product, please carefully read the following safety warning and download our manual from our website. This safety warning and manual contains important information relating to your child's safety. It is your responsibility to review this information with your child and make sure they are fully aware of all the warnings before they start riding. Failure to follow instructions and safety precautions can result in serious injury or death.

You can find a digital copy of the manual at the following web address:

**[www.infentorides.com](http://www.infentorides.com)**

**PLEASE PRINT OUT THE MANUAL** AND KEEP THE MANUAL AND THIS **SAFETY WARNING** IN A SAFE LOCATION FOR FUTURE REFERENCE.

# SAFETY SECTION



## **WARNING! PARENTAL SUPERVISION AND APPROPRIATE USE**

Like any moving product, rides made from Infento parts can be dangerous if due care and attention is not paid. To reduce the risk of serious injury: use only under close adult supervision. Parents must review the following warnings and instructions with each Infento ride that is being build. It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics, and assure that young riders are able to safely and responsibly use this product. Infento recommends that you periodically review and reinforce the information in this manual with younger riders, and that you inspect and maintain your child's Infento rides to insure their safety.

## **WARNING! RIDING ON INFENTO RIDES CAN BE A DANGEROUS ACTIVITY**

Riding on Infento rides can be a dangerous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Rides made from Infento parts can and are intended to move, and it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and other precautions. Ride at your own risk and use common sense.

## **WARNING! NO LIABILITY FOR CONSTRUCTED RIDES THAT DIFFER FROM OUR MANUALS**

The rides that you can find in our manuals have been tested by official independent testing agencies. We will not be responsible or liable, directly or indirectly, in any way for any loss or damage of any kind incurred as a result of your decision to build constructions or rides that differ from the official rides that we show in our manuals.

### ASSEMBLY – SUBSECTION

## **WARNING! OUR KITS CONTAIN SMALL PARTS**

This package contains small parts which, before assembly, present a choking hazard to children under the age of three. Care should be taken

during unpacking and assembly to insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

## **WARNING! TO AVOID SERIOUS INJURY:**

1. Construction/assembly of a ride should always be under supervision of an adult using the Infento manual for the specific ride.
2. All fasteners (bolts and nuts) should be fully tightened.
3. It is the responsibility of the adult who assembles this bicycle to properly install all parts included in the factory sealed shipping carton and to make the adjustments to the functional parts such as handle bar and seat and chain when necessary.

### USE – SUBSECTION

## **WARNING! TO AVOID SERIOUS INJURY:**

1. Continuous adult supervision is required.
2. Only ride constructed rides that have been built according to the instructions given in the official Infento manual.
3. Never exceed the maximum weight. You can find the maximum weight for every specific ride in our manual.
4. Always check the manual to see the minimum and maximum age as well as the minimum and maximum length for every specific ride.
5. Always wear safety equipment such as a helmet, knee pads and elbow pads. We recommend riders always wear a properly fitted helmet that complies with local or national guidelines or laws. Keep chinstrap of helmet securely buckled.
6. Always wear closed toed shoes (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoe laces tied and out of the way of the wheels.
7. Avoid streets and surfaces with water, sand, gravel, dirt, leaves, and other debris. Wet weather impairs traction, braking and visibility.
8. Excessive exposure to sunlight, temperatures below 0 degrees Celsius, water, sand, gravel, dirt, leaves, and other debris can damage, shrink, expand or weaken parts. Keep your ride in a dry environment with proper heating.
9. Avoid sharp bumps, drainage grates and sudden surface changes. Your Infento ride may suddenly stop.
10. Ride on smooth, paved surfaces away from

motor vehicles. Wet, slick or uneven and rough surfaces may impair traction and contribute to possible accidents.

11. Never risk damaging surfaces, such as carpet or flooring, by use of an Infento ride indoors.
  12. Never use near motor vehicles, streets, roadways, alleys, swimming pool areas, hills, steps, sloped driveways, inclines and public highways.
  13. Watch out for pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.
  14. Avoid excessive speed associated with downhill rides.
  15. Do not use at night or in periods with reduced visibility.
  16. Before every use, please make sure that the complete ride and all joints have been assembled tightly, as with use, joints may wear out.
  17. Before using your Infento ride, please check that the screws are tightened securely.
  18. It's your own responsibility if you modify the product other than manufacturer's instructions.
  19. Maintain a hold on the handlebars at all times.
  20. Brake will get hot from continuous use. Do not touch after braking.
  21. Periodically check hardware and tighten if necessary. Replace worn or broken parts immediately.
  22. Skill is required to avoid falls or collision causing injury to the user and third parties.
  23. Check operation of breaks every time before bicycle is ridden.
  24. Check local laws before you start with riding.
  25. Never tow wagons, other vehicles, or children on skates or skateboards.
  26. Make certain that anyone who uses an Infento ride has been fully instructed in its operation.
  27. Instruct your child on how to use the breaks.
  28. Do not perform stunts.
  29. Never use headphones or a cell phone when riding.
  30. Only one rider at a time on an Infento ride.
  31. Do not allow children to stand on the product at any time.
- FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.**

# SAFETY SECTION



## OUR KITS CONTAIN SMALL PARTS

This package contains small parts which, before assembly, present a choking hazard to children under the age of three. Care should be taken during unpacking and assembly to insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

## QUESTIONS OR SUPPORT NEEDED?

You can mail us all your questions at:  
**[support@infentorides.com](mailto:support@infentorides.com)**  
and our team will reply you as soon as possible.



## MAINTENANCE | INSTRUCTION



1. Oil or grease moving parts periodically.
2. Check nuts and bolts often and tighten if necessary.
3. Any parts showing evidence or wear should be replaced immediately.
4. Follow closely the assembly instructions pertaining to the proper adjustments of parts
5. Periodically check the brake system for proper function
6. Periodically check the steering mechanism for proper function
7. Check the air pressure in the tires to be the amount specified in the manual
8. Periodically check the bicycle's tooth belt to be sure that it is not too loose which could allow the chain to slip off the sprockets.

### RECOMMENDED TOOLS



**4 x Allen key**  
3, 4, 5, 6 mm



**1 x Tapeline**



**1 x T-handle**  
for Allen key



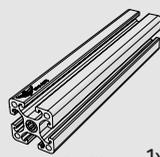
**5 x Wrench**  
10, 13, 14, 15, 19 mm



1

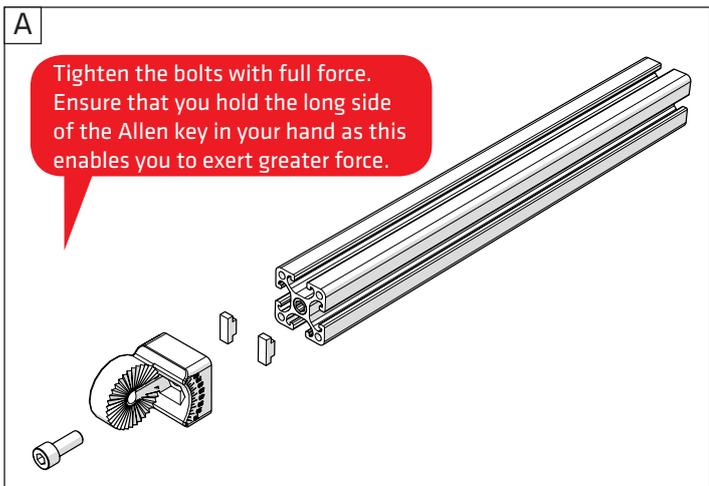
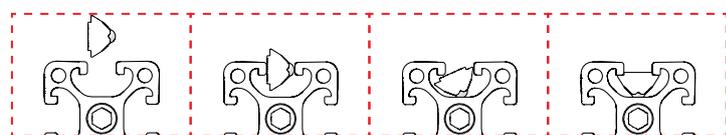
ride **SPRINTER**

First, get all required materials stated here and then follow the instructions.

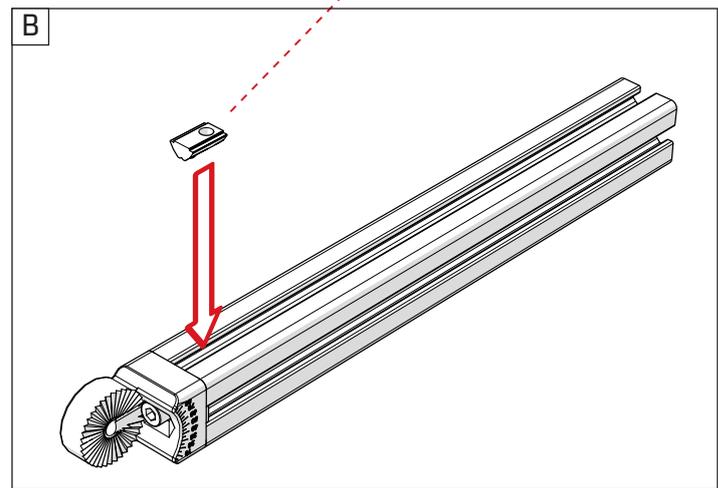
-   
 1x  
 Profile nut short
-   
 2x  
 Bolt M8x20
-   
 4x  
 T-Positioning block
-   
 2x  
 Multi angle joint
-   
 1x  
 Profile 14.17inch | 360mm

**A**

Tighten the bolts with full force. Ensure that you hold the long side of the Allen key in your hand as this enables you to exert greater force.

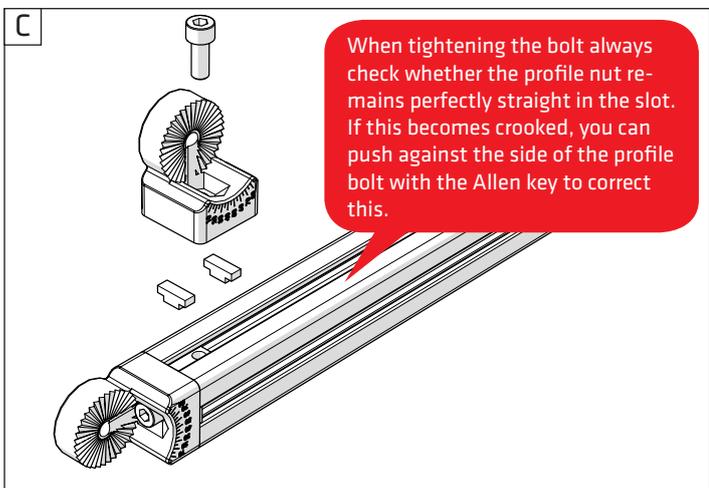



**B**

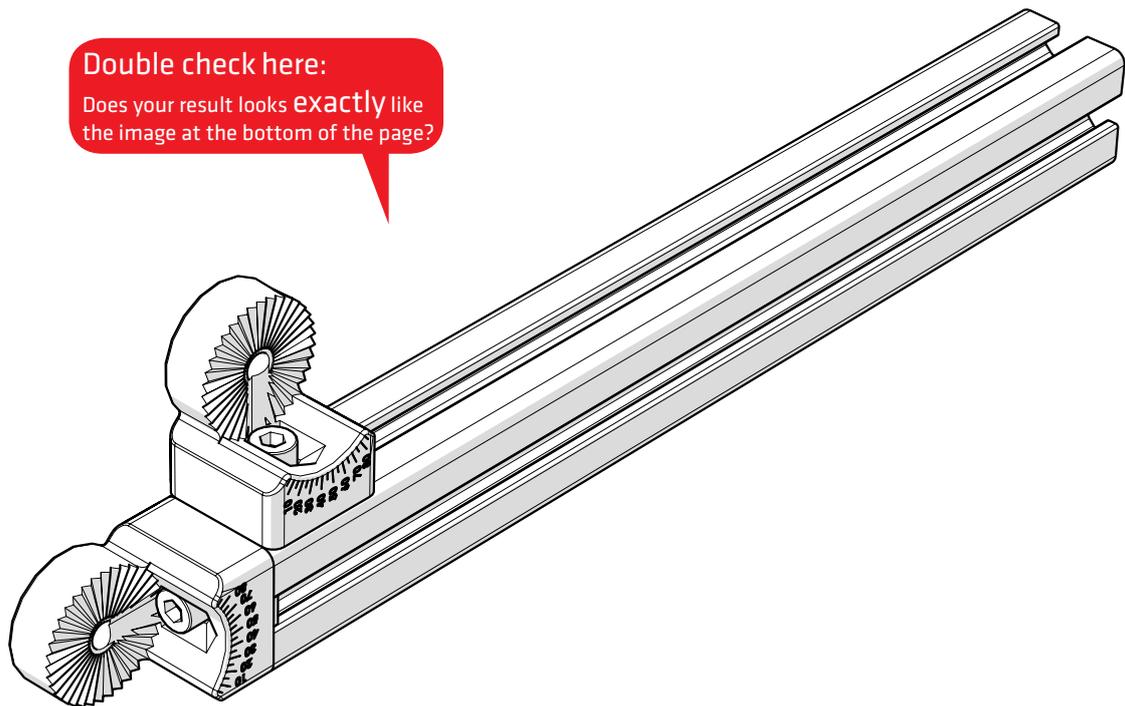


**C**

When tightening the bolt always check whether the profile nut remains perfectly straight in the slot. If this becomes crooked, you can push against the side of the profile bolt with the Allen key to correct this.



Double check here:  
Does your result looks **exactly** like the image at the bottom of the page?

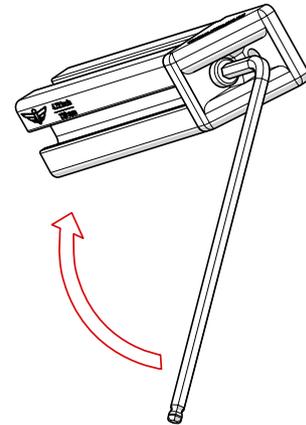


# TOP 3 REQUIREMENTS MAKING A GREAT INFENTO EXPERIENCE:



1

**Tighten bolts with full force (15Nm) to prevent them from coming loose.**



2

**Constructing and playing always under supervision of an adult.**



3

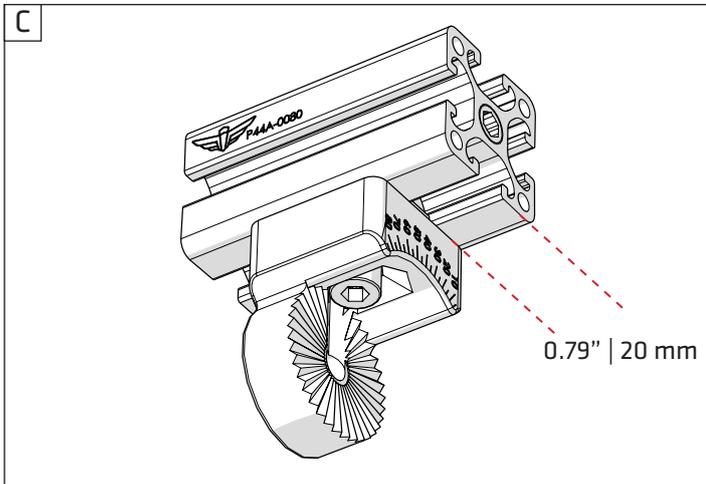
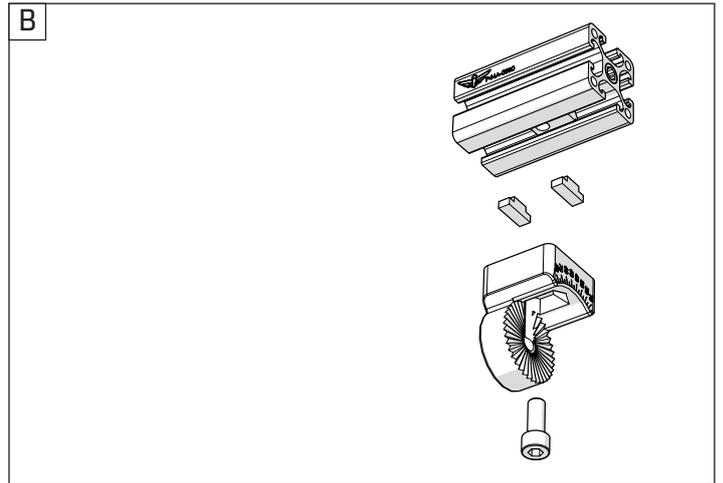
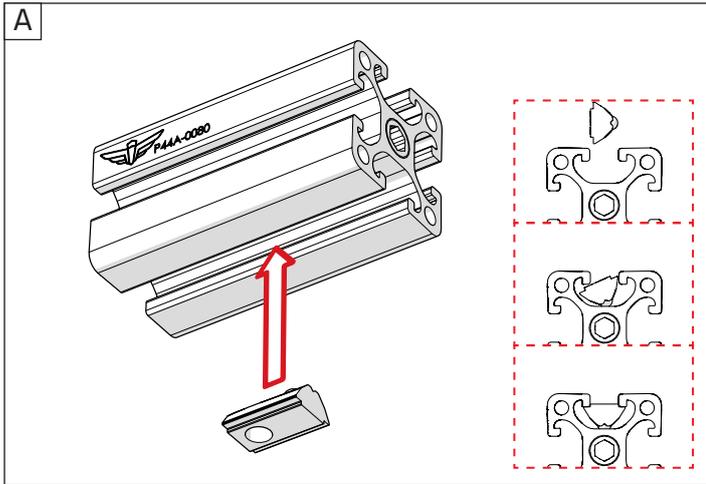
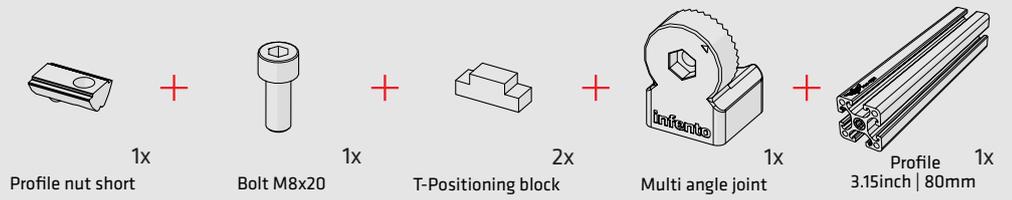
**Check frequently if all parts are still firmly tightened and function properly.**



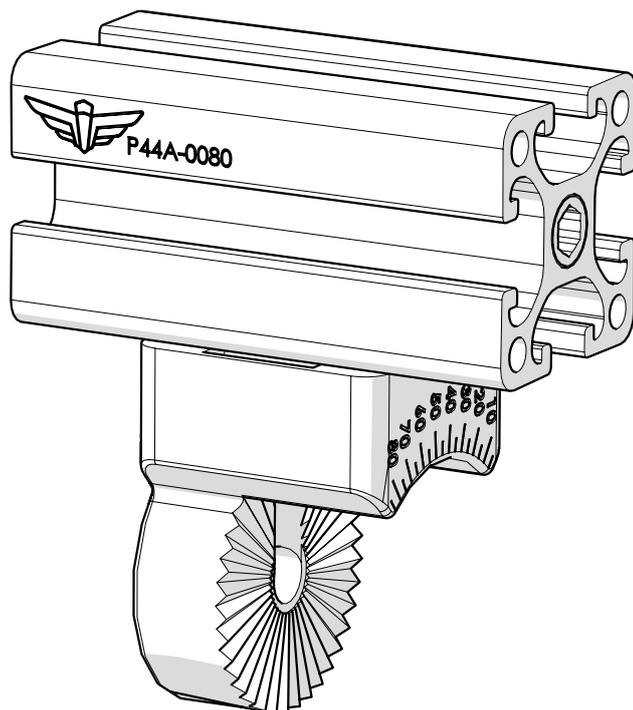


2

ride **SPRINTER**



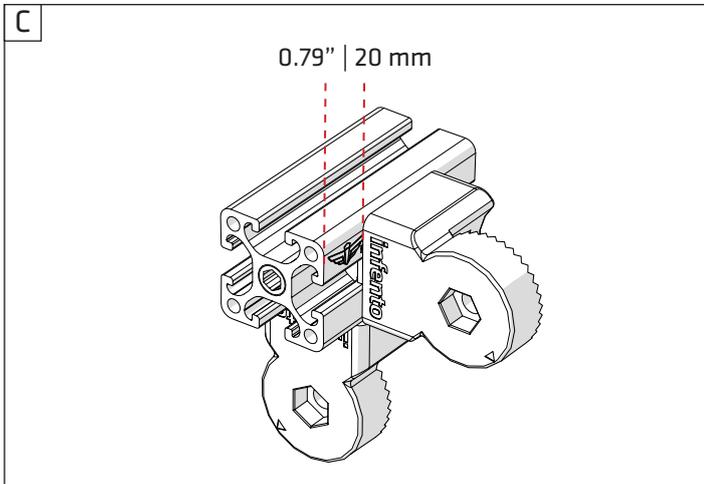
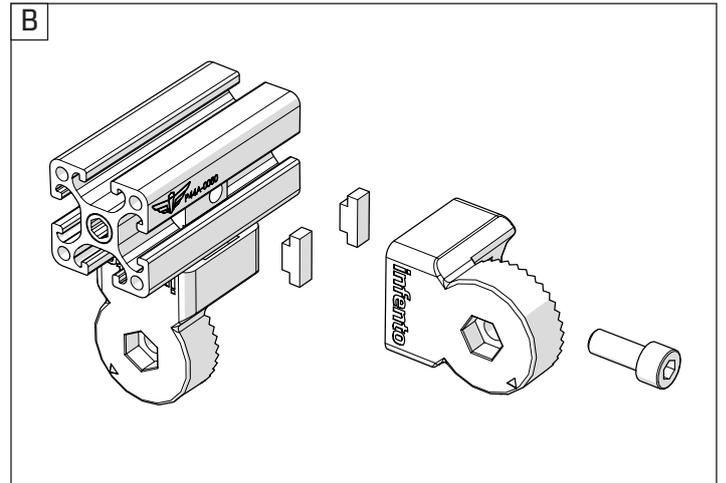
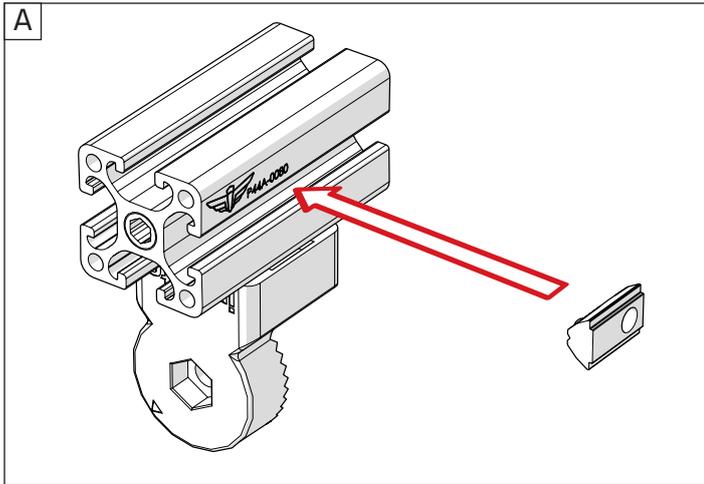
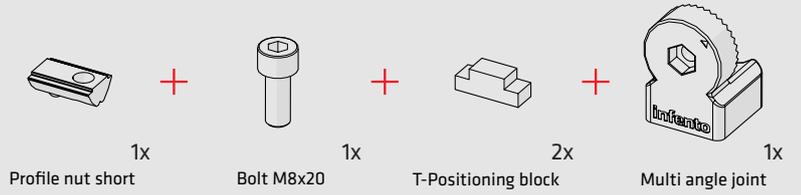
Double check here:  
Does your result looks **exactly** like  
the image at the bottom of the page?



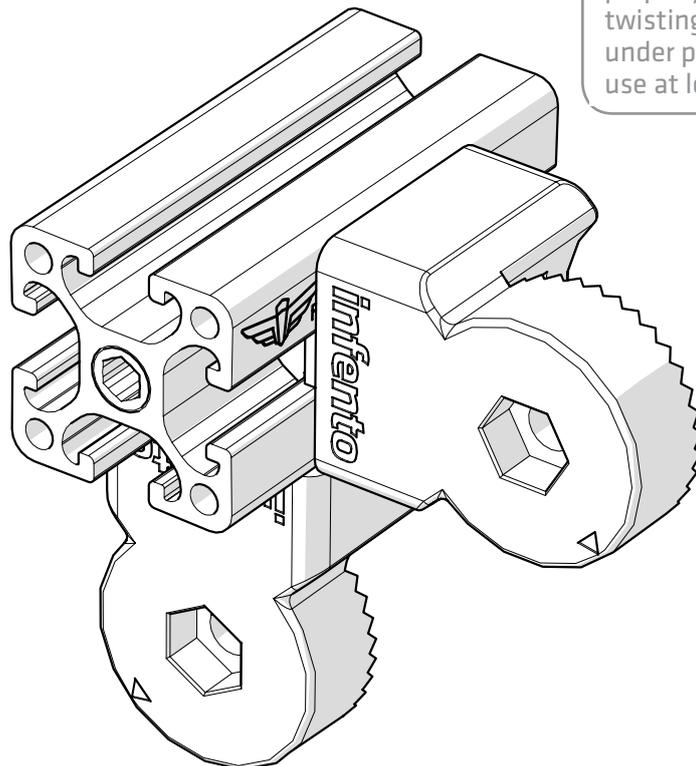


3

ride *SPRINTER*



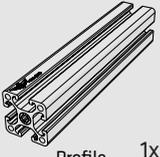
The positioning blocks are some of the smallest Infento parts but they are also some of the most important. They ensure that everything connects to each other properly. This prevents parts from twisting and coming loose when under pressure. Therefore, always use at least two positioning blocks

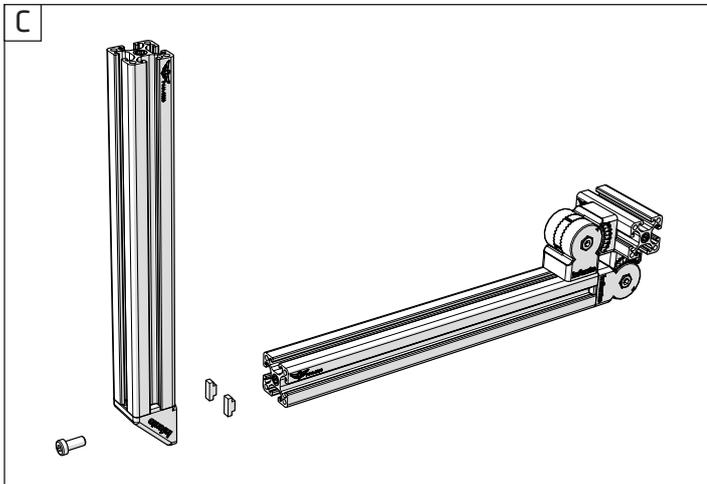
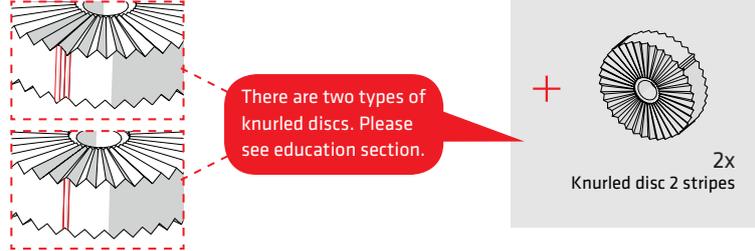
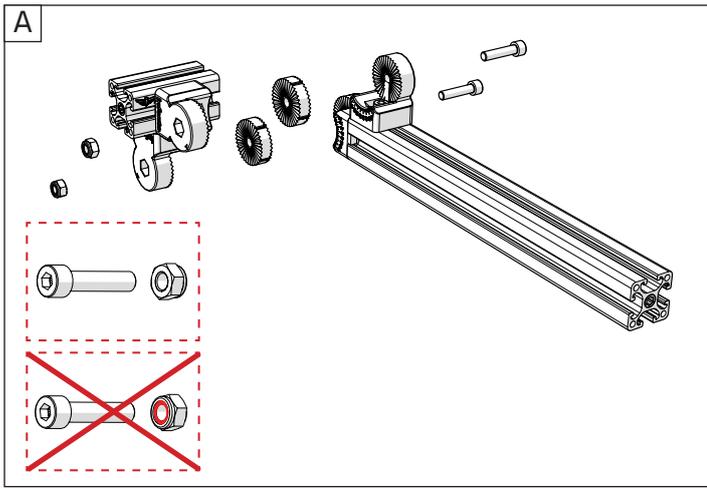




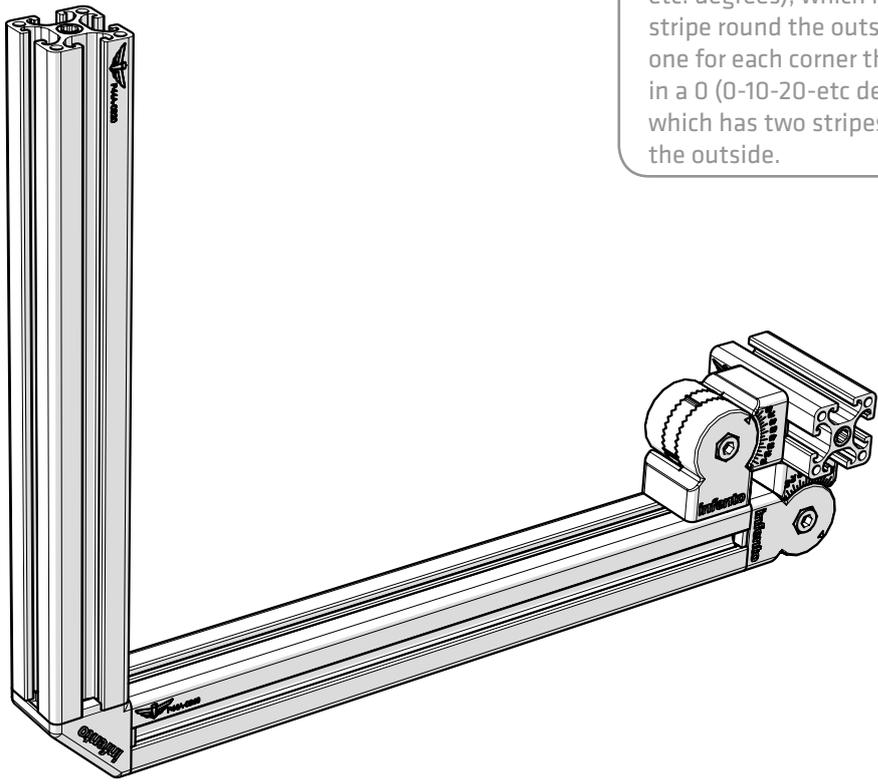
# 4

ride **SPRINTER**

-   
Bolt M8x35    2x
-   
Locknut M8    2x
-   
Bolt M8x20 (low head)    2x
-   
T-Positioning block    4x
-   
L-joint    1x
-   
Profile 12.60inch | 320mm    1x



There are two different knurled discs. One for each corner ending in a 5 (5-15-25-etc. degrees), which has one stripe round the outside, and one for each corner that ends in a 0 (0-10-20-etc degrees), which has two stripes round the outside.

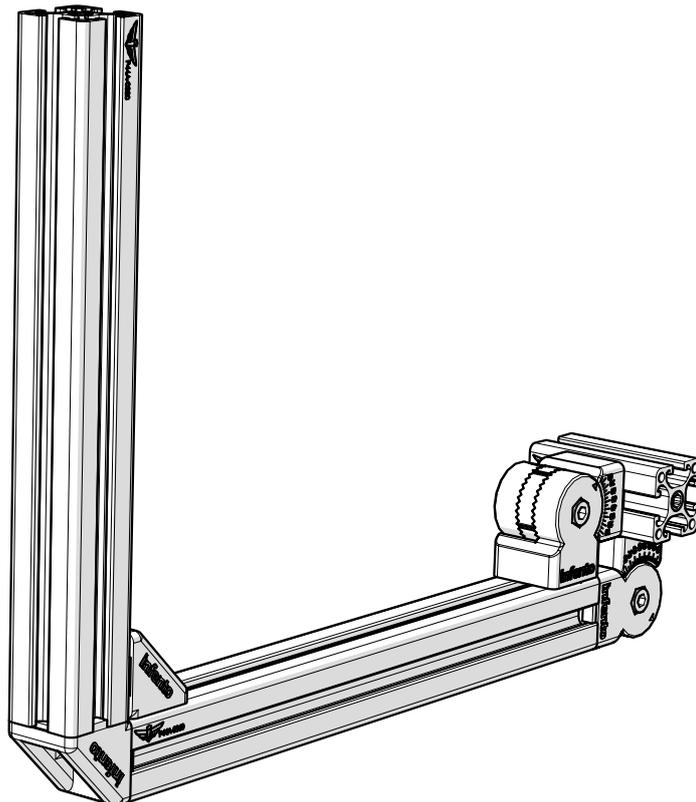
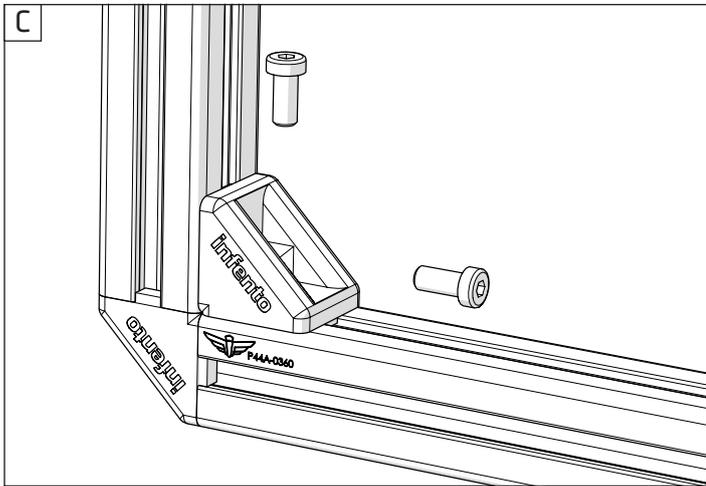
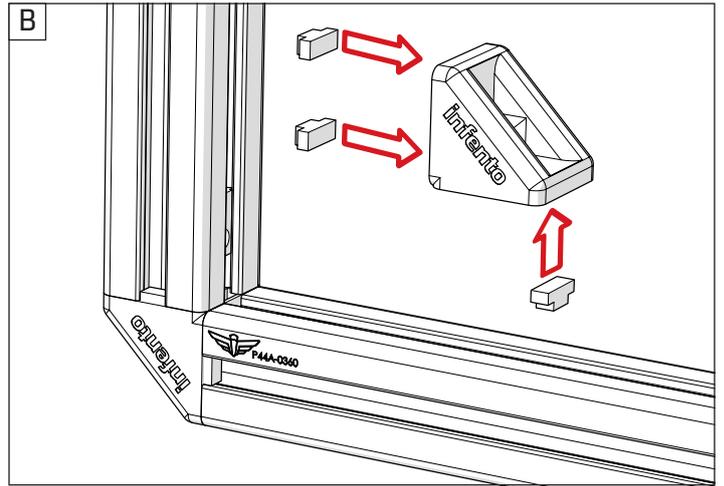
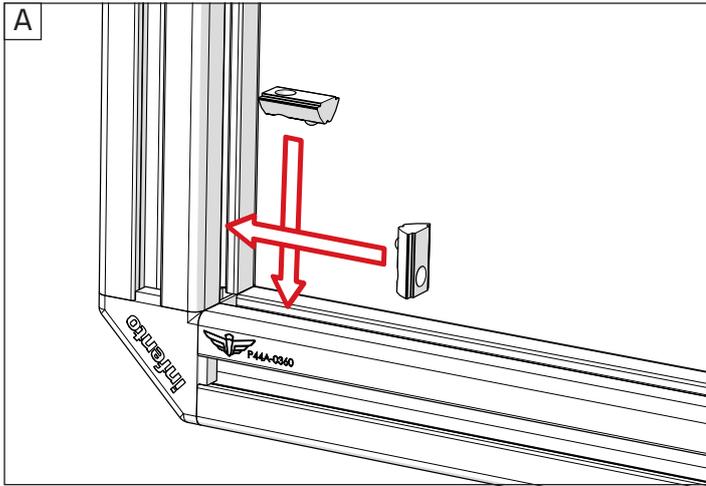




5

ride *SPRINTER*

- Bolt M8x20  
(low head) 2x
- +
- T-Positioning block 3x
- +
- Profile nut short 2x
- +
- L-joint 1x

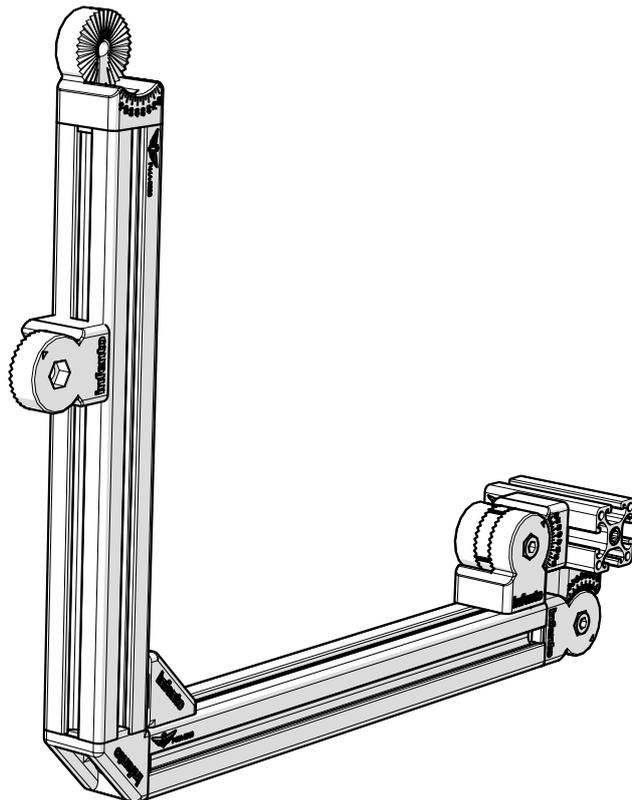
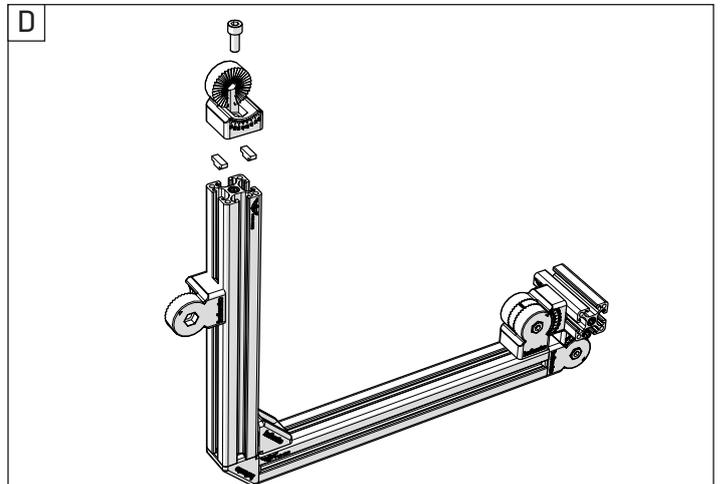
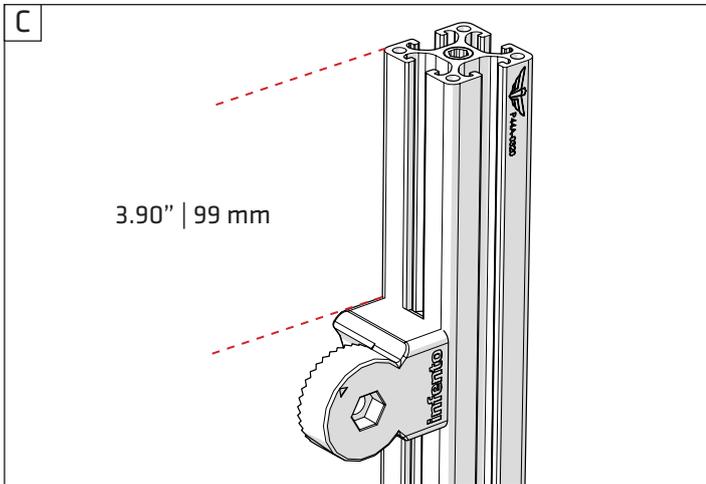
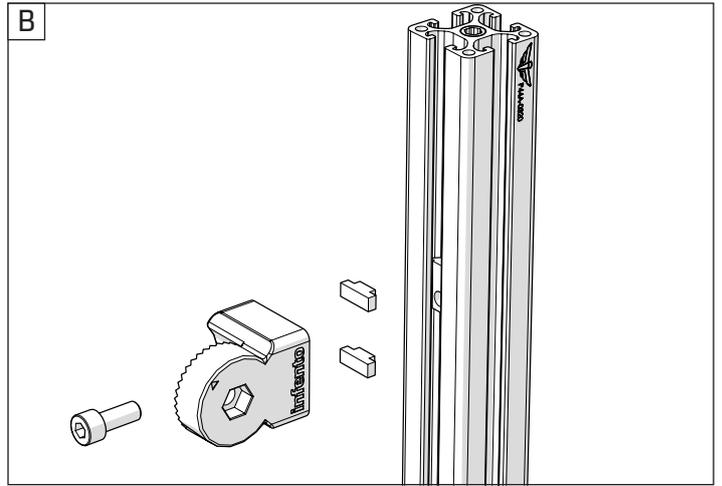
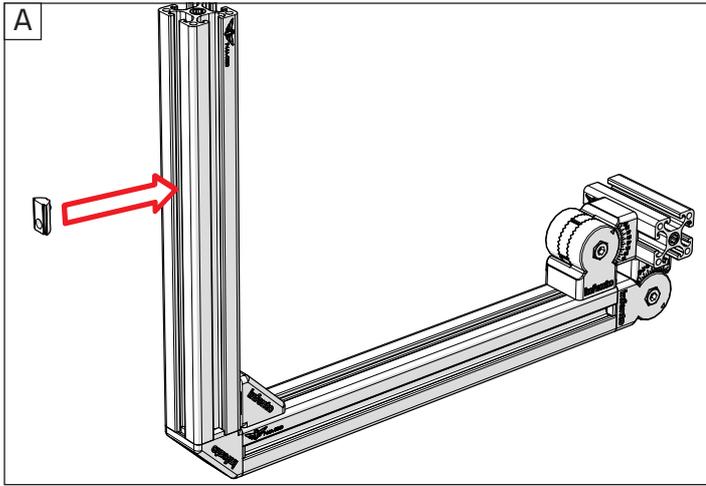




6

ride *SPRINTER*

- Profile nut short 1x
- Bolt M8x20 2x
- T-Positioning block 4x
- Multi angle joint 2x

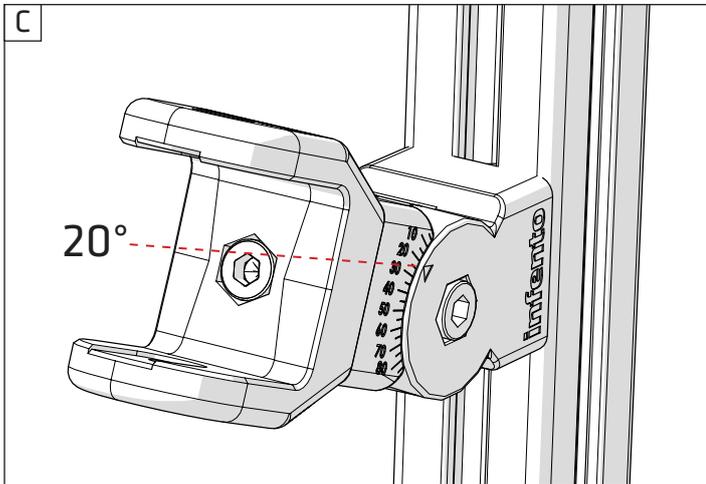
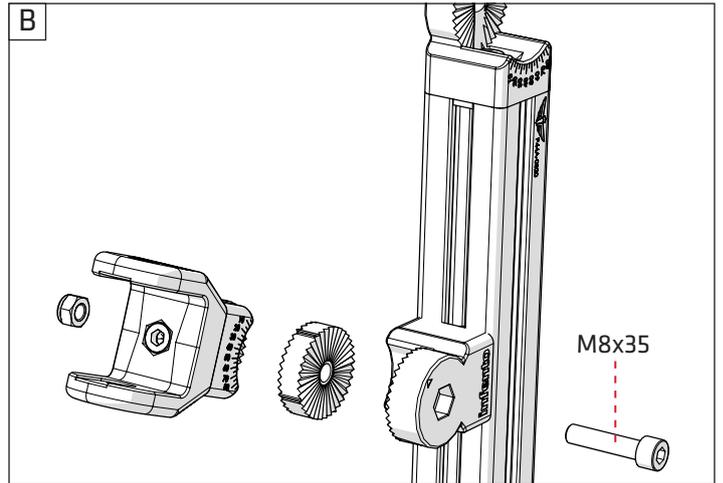
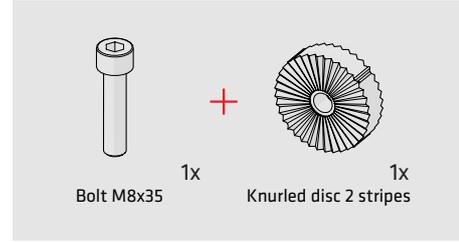
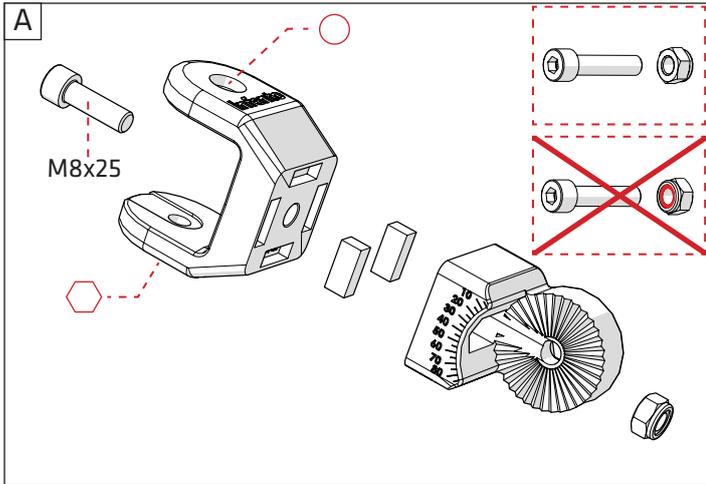




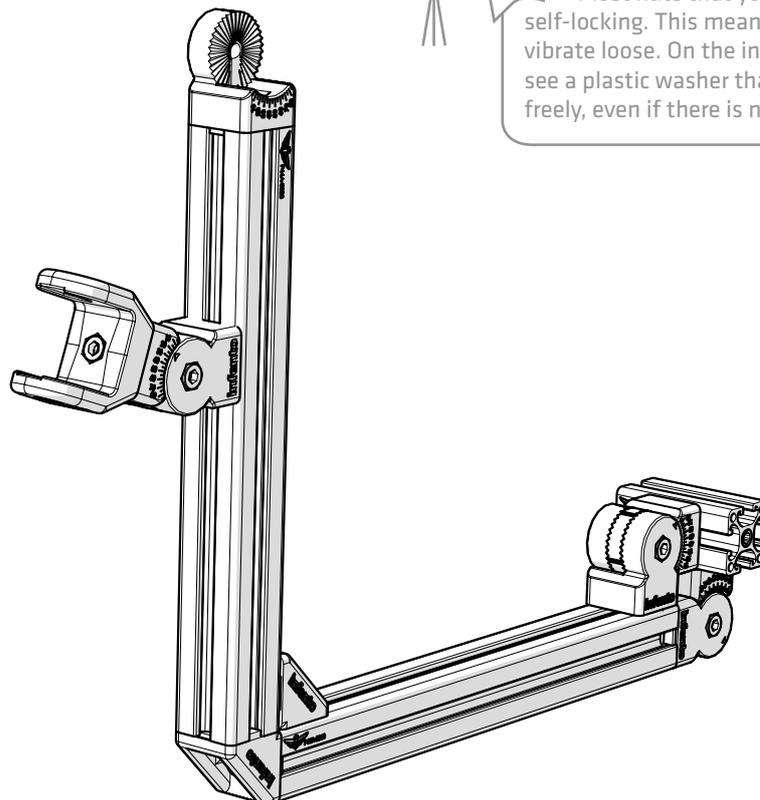
# 7

ride **SPRINTER**

- Bolt M8x25 1x
- Positioning block 2x
- Locknut M8 2x
- Multi angle joint 1x
- U-Block 1x



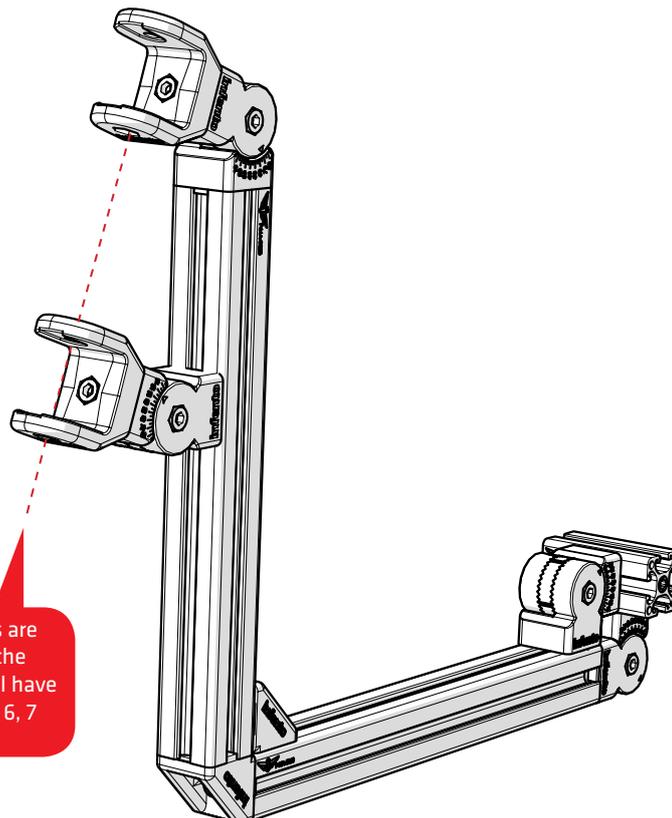
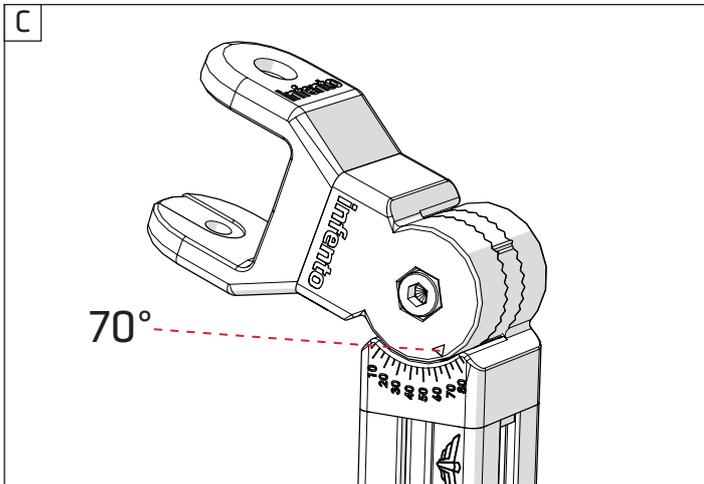
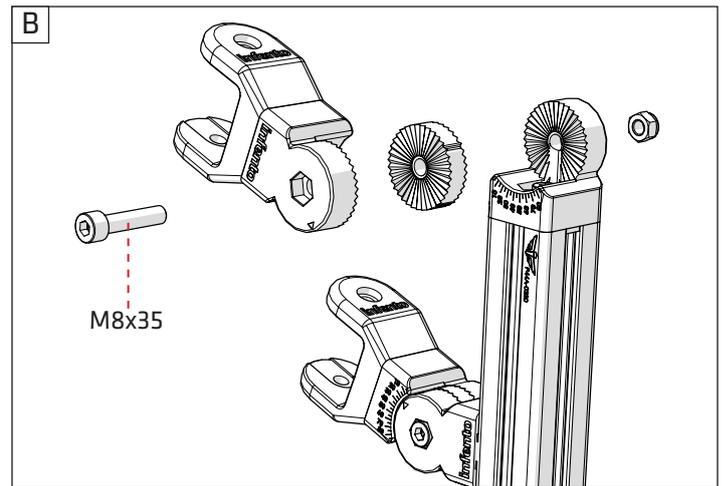
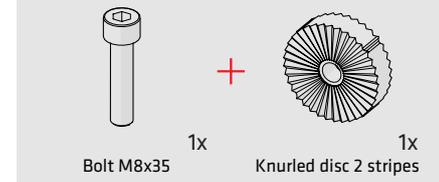
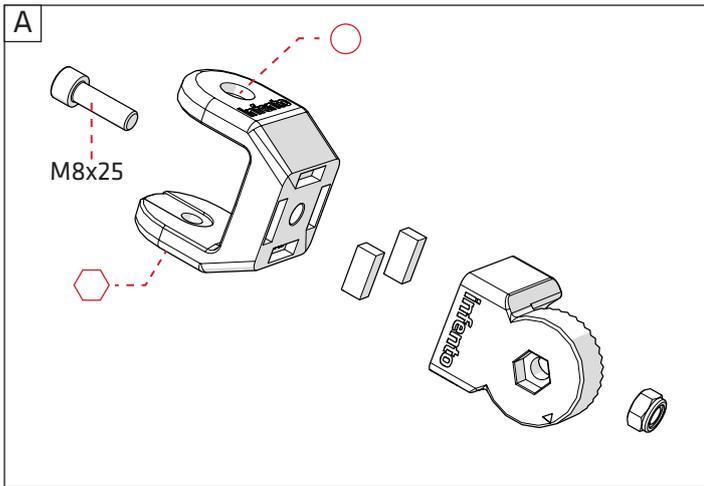
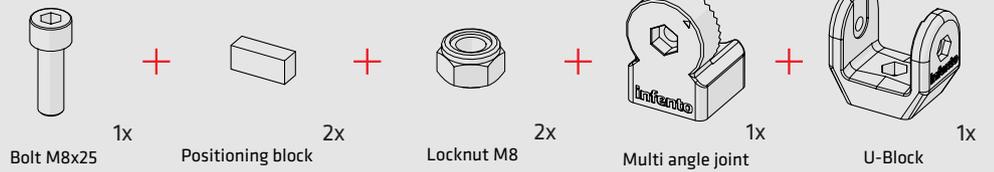
Most nuts that you use for Infento are self-locking. This means that they cannot vibrate loose. On the inside of the bolt you will see a plastic washer that ensures it cannot turn freely, even if there is no tension on the bolt.





8

ride *SPRINTER*

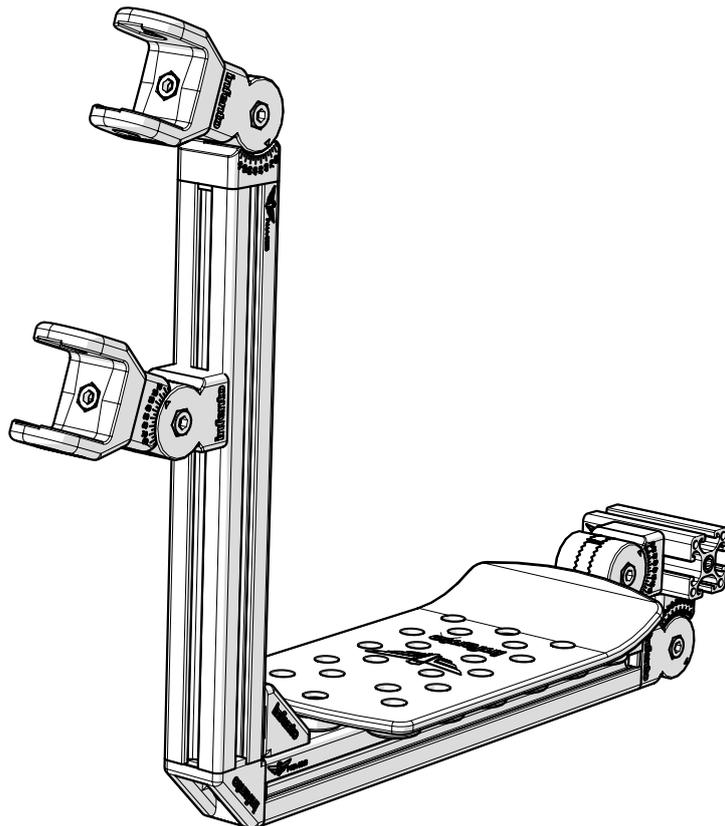
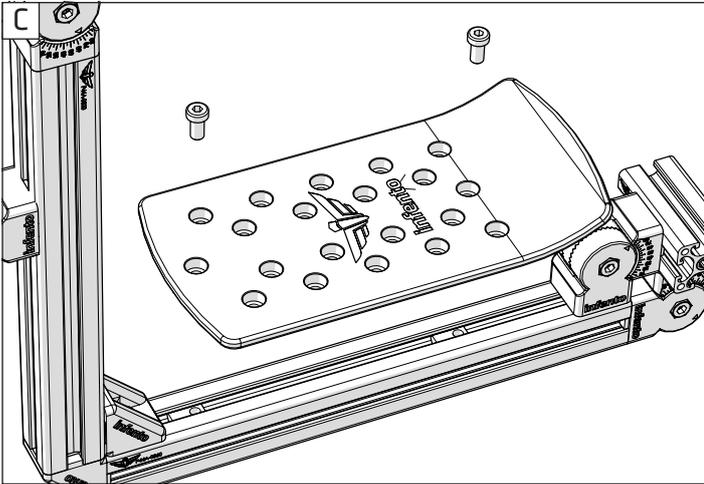
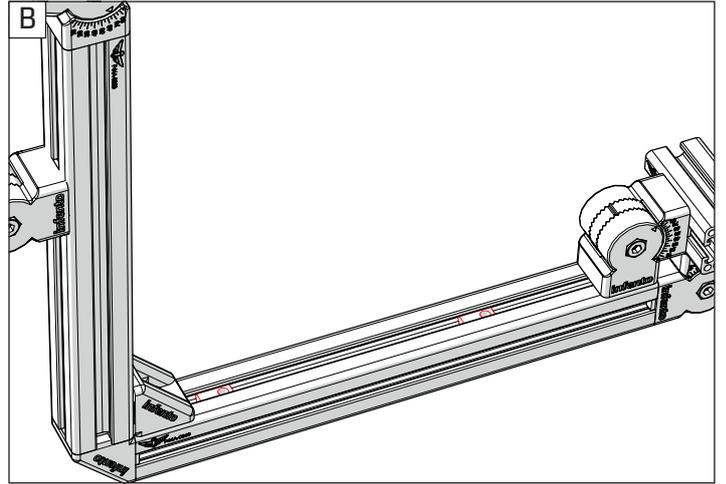
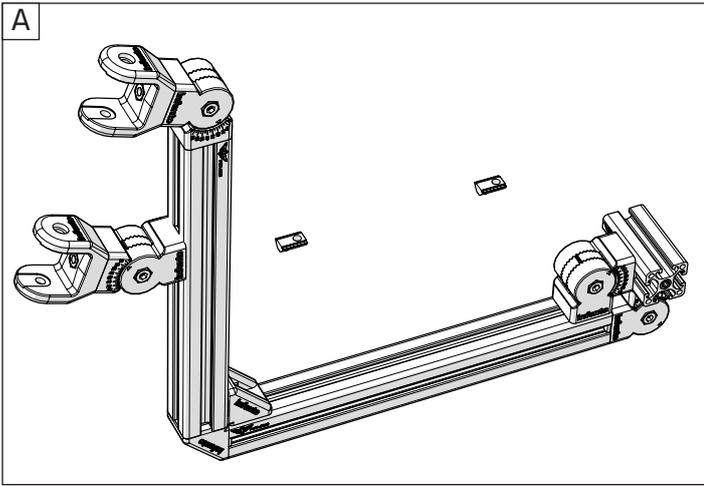
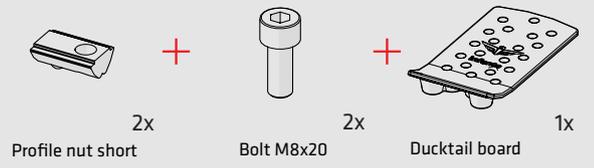


Check whether the two U-blocks are still aligned by looking through the holes. If they are uneven you will have to check the operations on page 6, 7 and 8.



9

ride *SPRINTER*

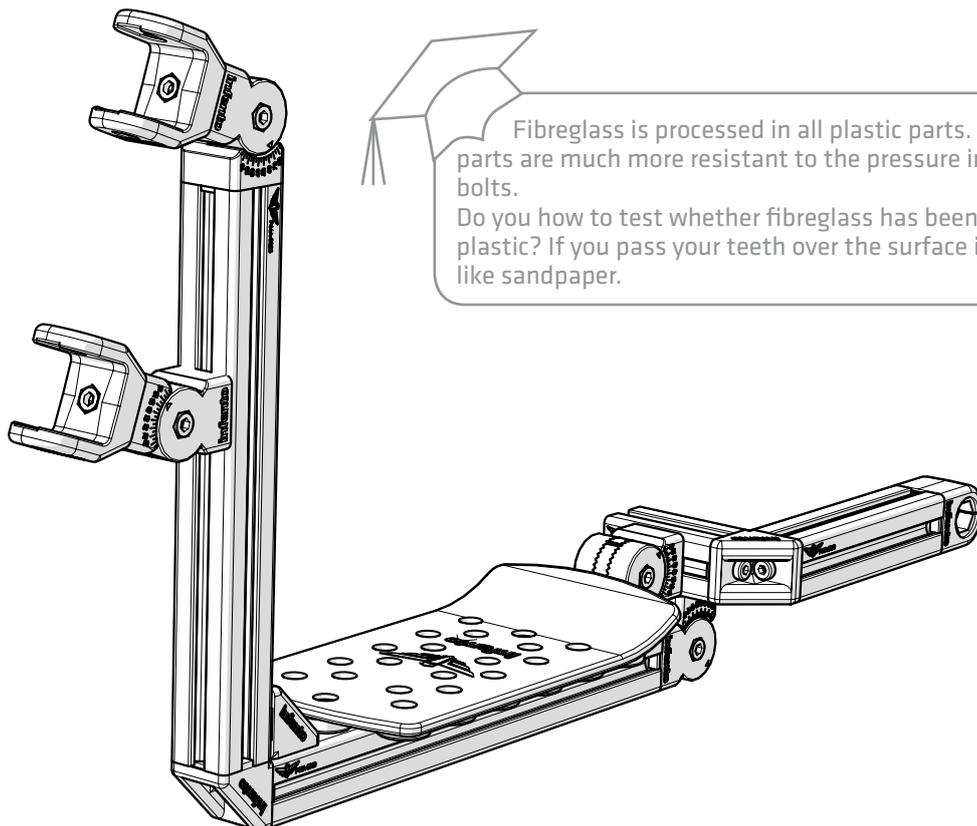
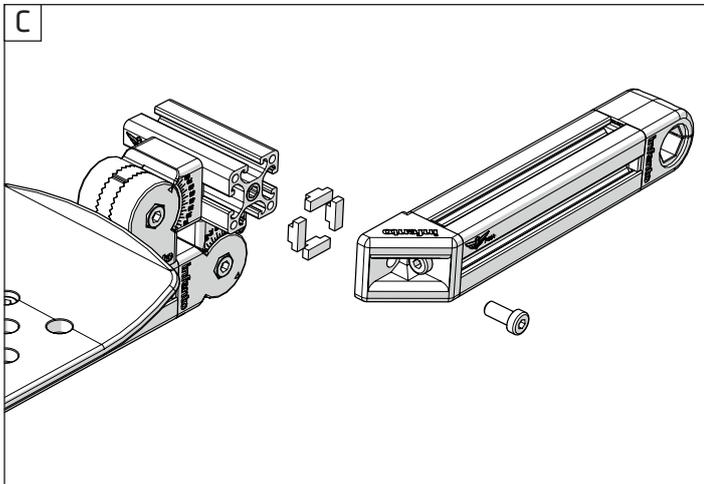
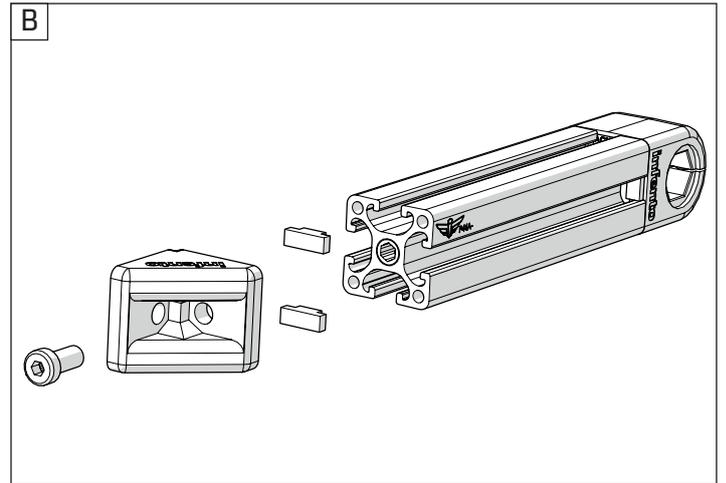
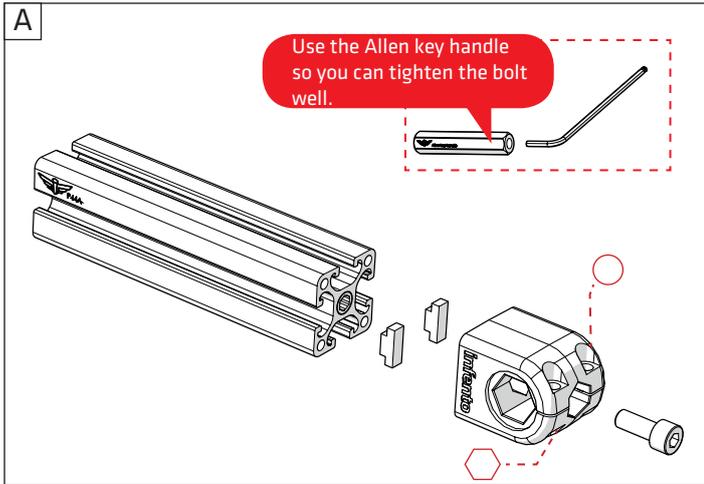




# 10

ride **SPRINTER**

- Bolt M8x20 (low head) 2x
- Bolt M8x20 1x
- T-Positioning block 8x
- L-joint 1x
- Axle clamp 1x
- Profile 7.87inch | 200mm 1x



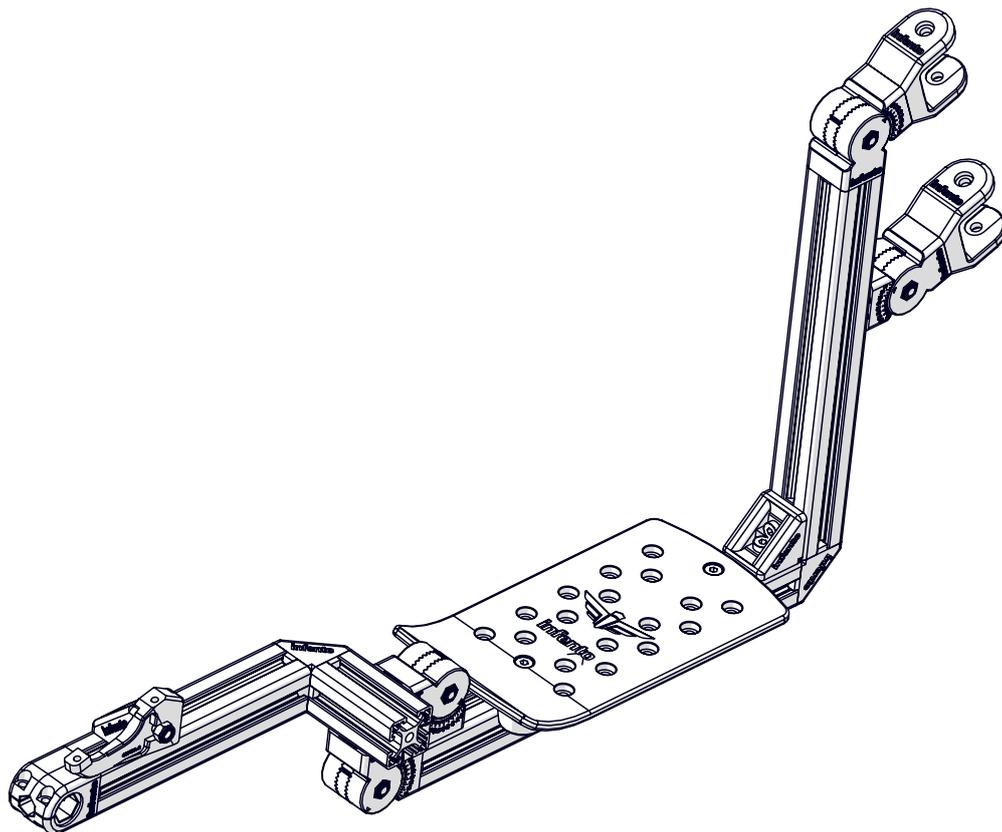
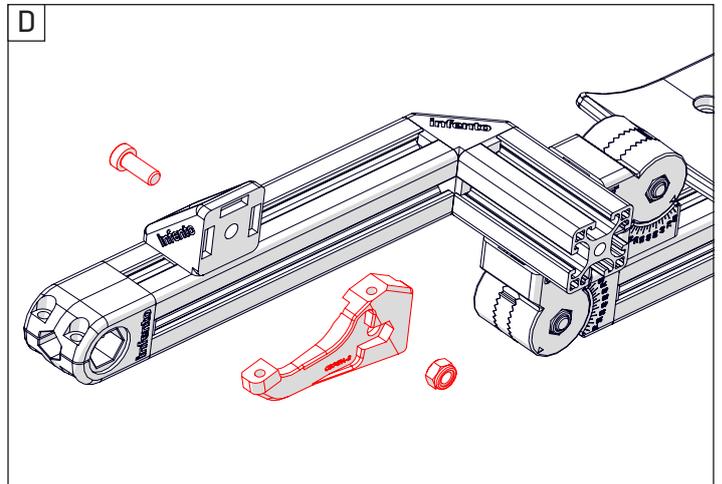
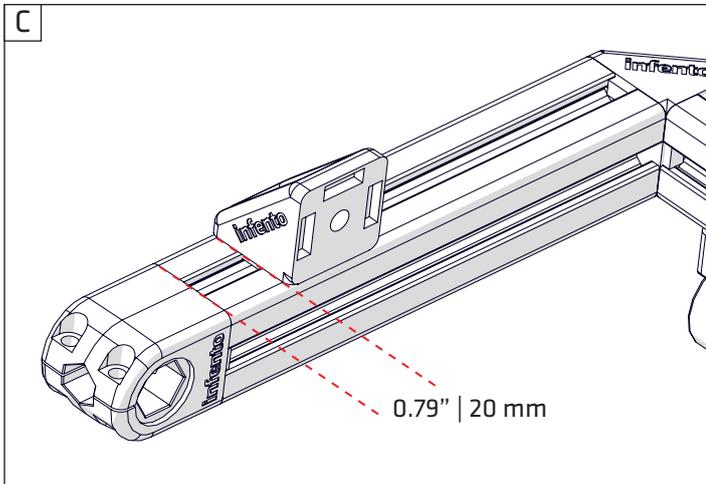
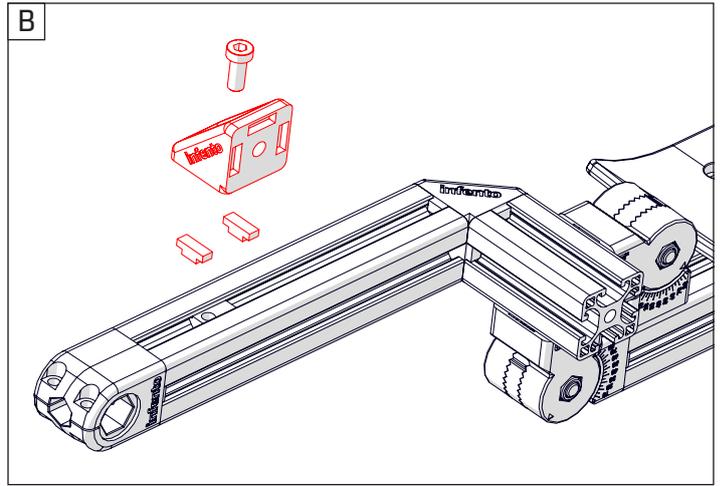
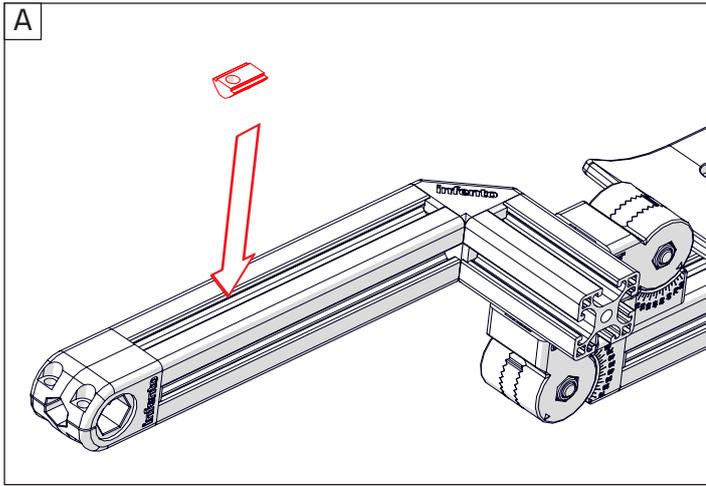
Fibreglass is processed in all plastic parts. This means the parts are much more resistant to the pressure induced by the bolts.  
Do you how to test whether fibreglass has been mixed with plastic? If you pass your teeth over the surface it will feel a bit like sandpaper.



# 11

ride **SPRINTER**

-  1x Profile nut short
-  2x T-Positioning block
-  2x Bolt M8x20 (low head)
-  1x Locknut M8
-  1x L-joint
-  1x Brake caliper holder

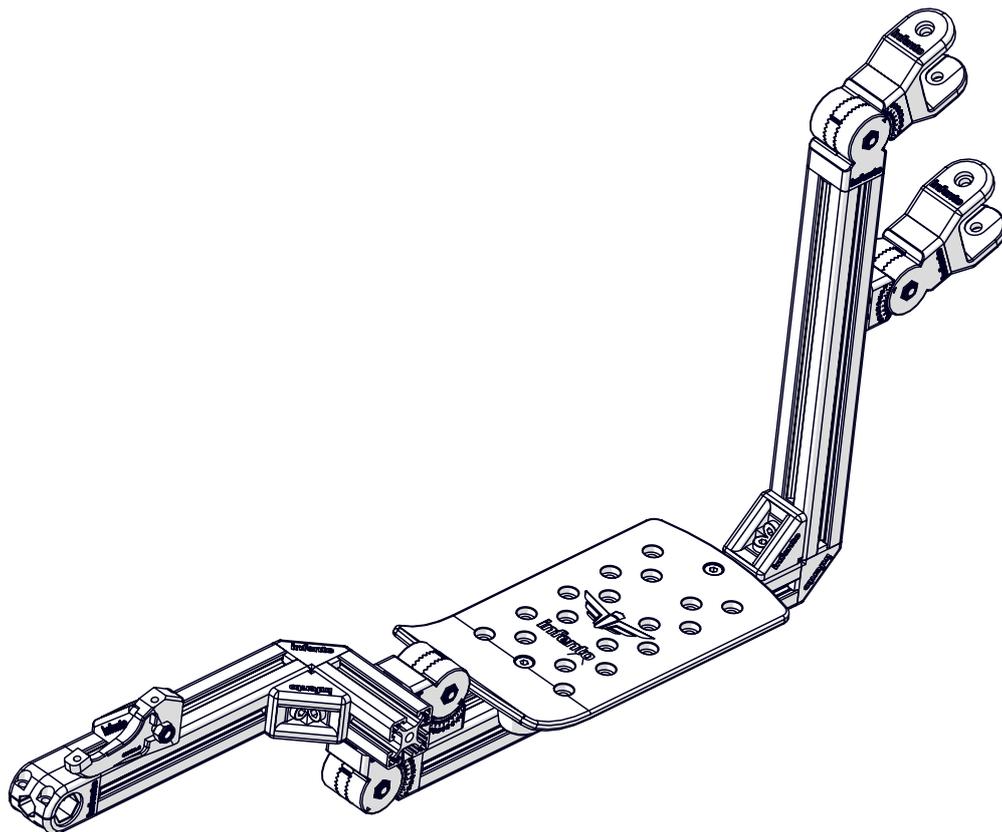
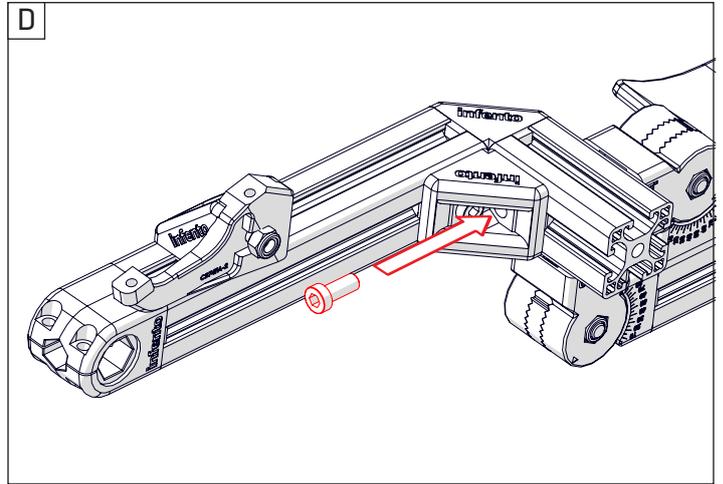
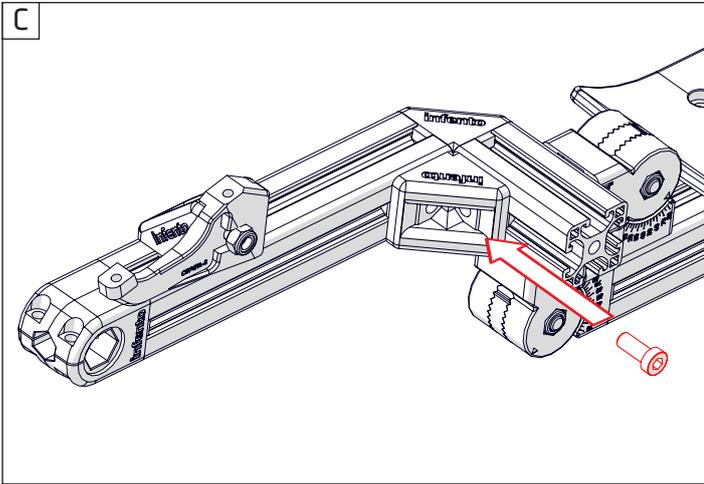
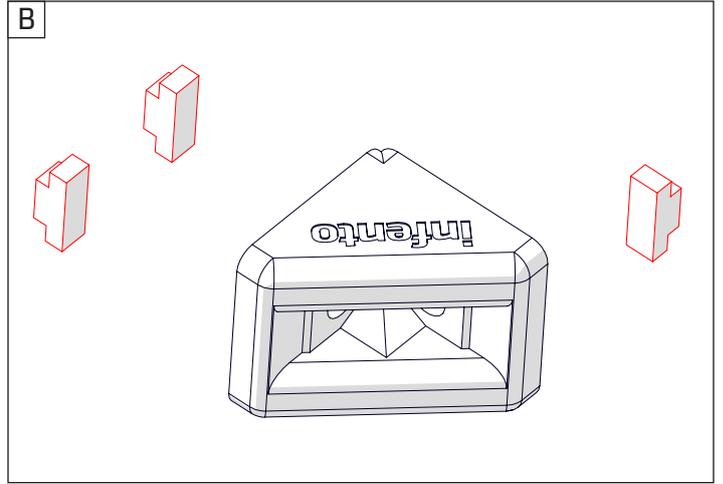
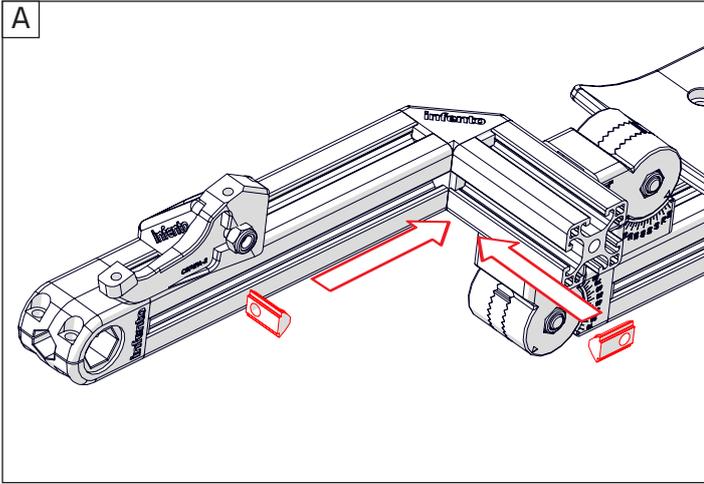




# 12

ride **SPRINTER**

-   
3x  
T-Positioning block
-   
2x  
Bolt M8x20  
(low head)
-   
2x  
Profile nut short
-   
1x  
L-joint

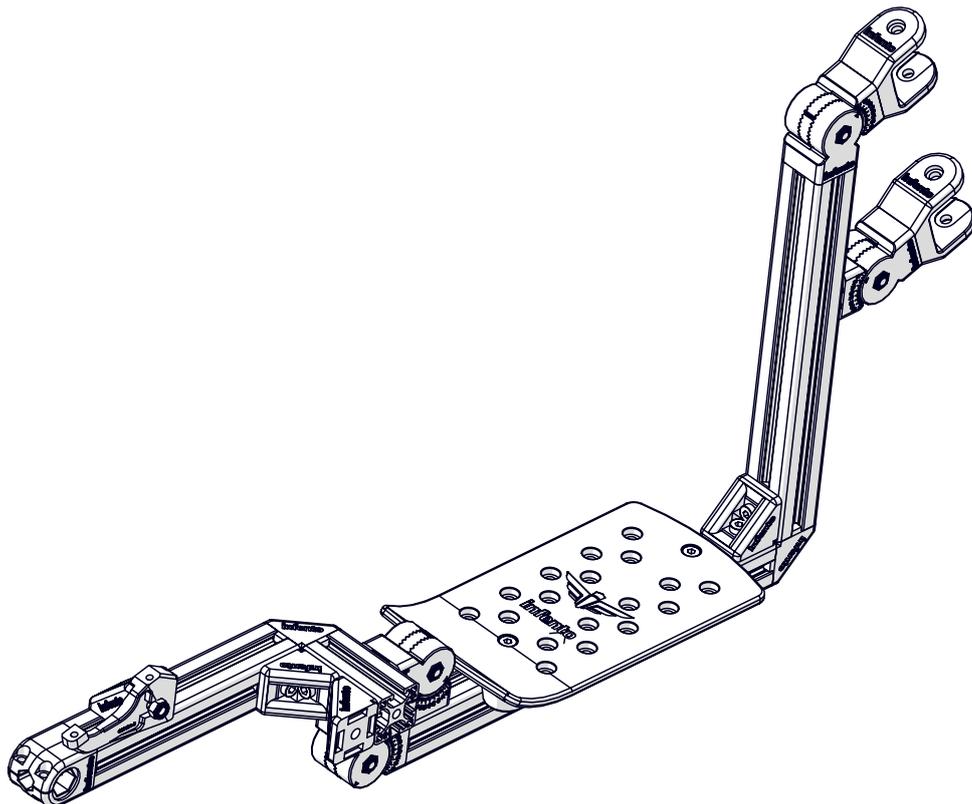
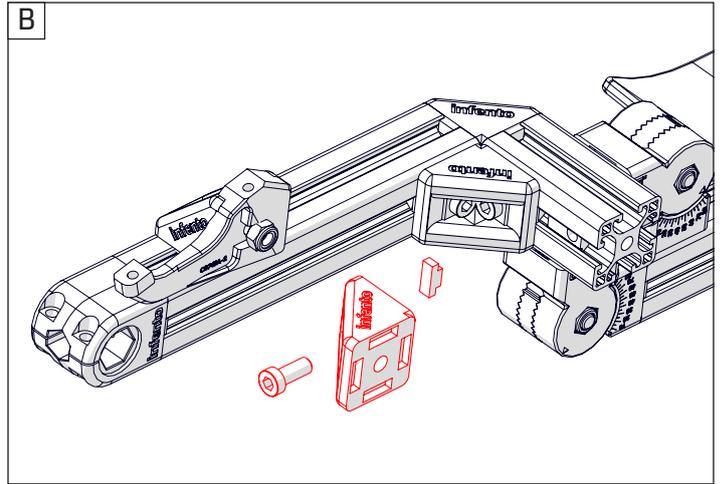
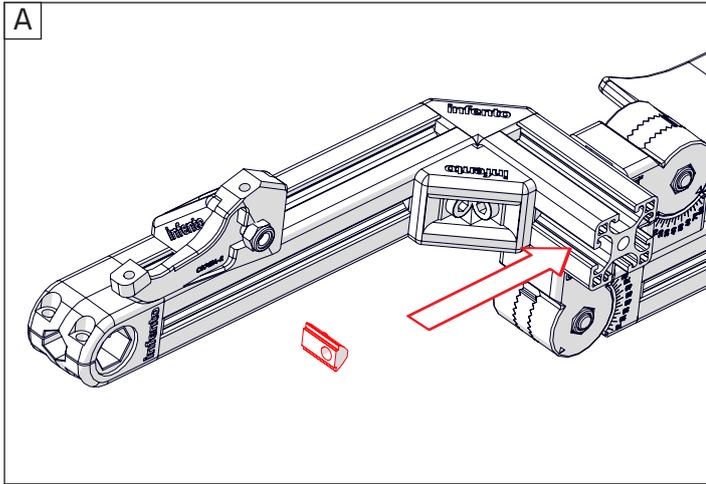




# 13

ride *SPRINTER*

-   
1x  
T-Positioning block
- +
-   
1x  
Bolt M8x20  
(low head)
- +
-   
1x  
Profile nut short
- +
-   
1x  
L-joint





# 14

ride *SPRINTER*

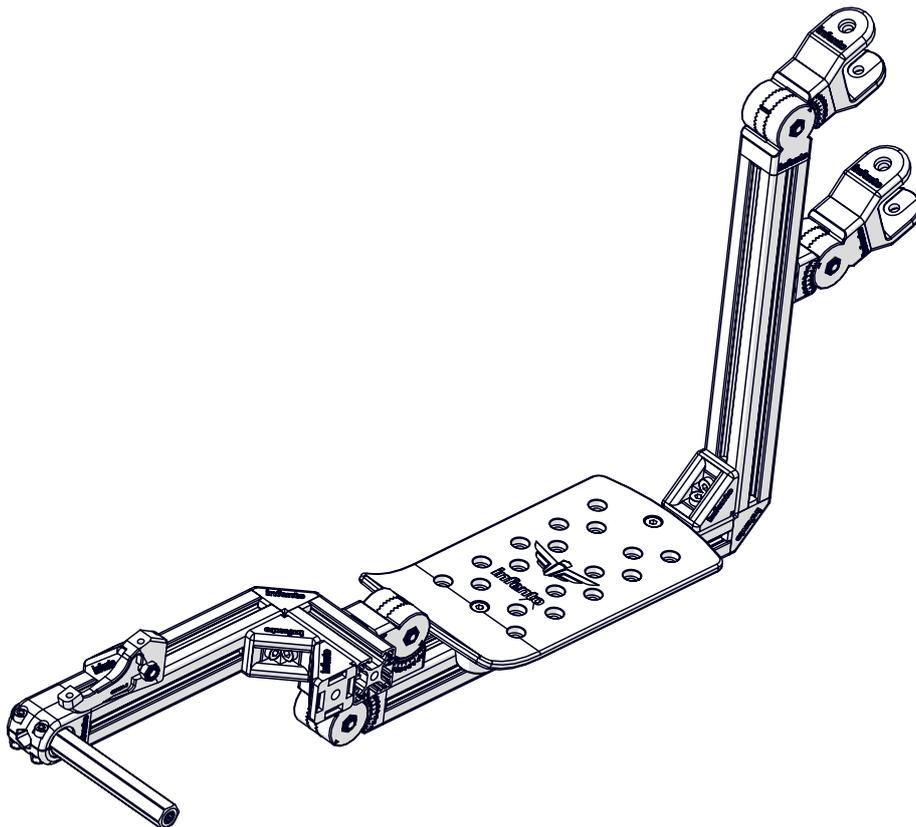
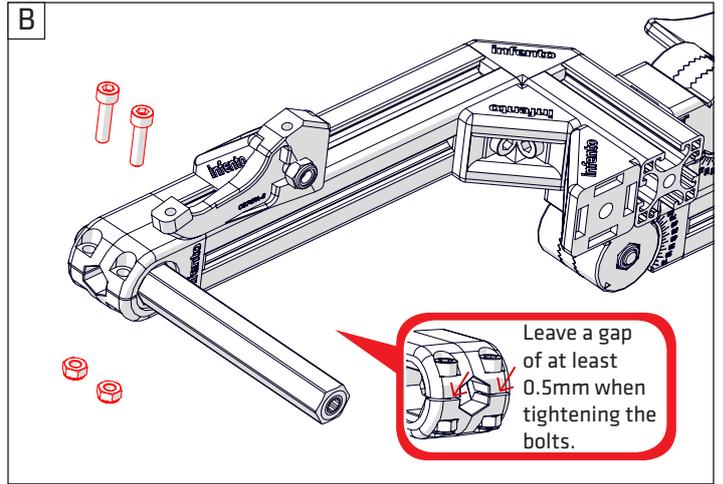
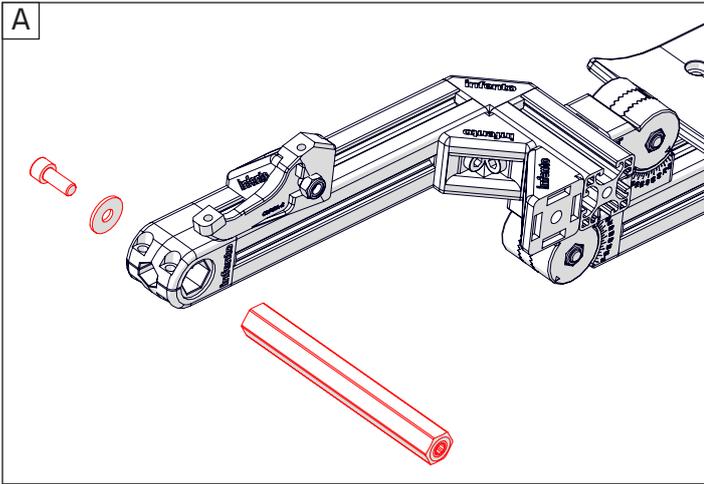
 +  
Bolt M6x25 2x

 +  
Locknut M6 2x

 +  
Bolt M8x20 1x

 +  
Washer M8-24 1x

 +  
Axle 6.06inch | 154mm 1x



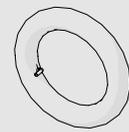


# 15

ride *SPRINTER*



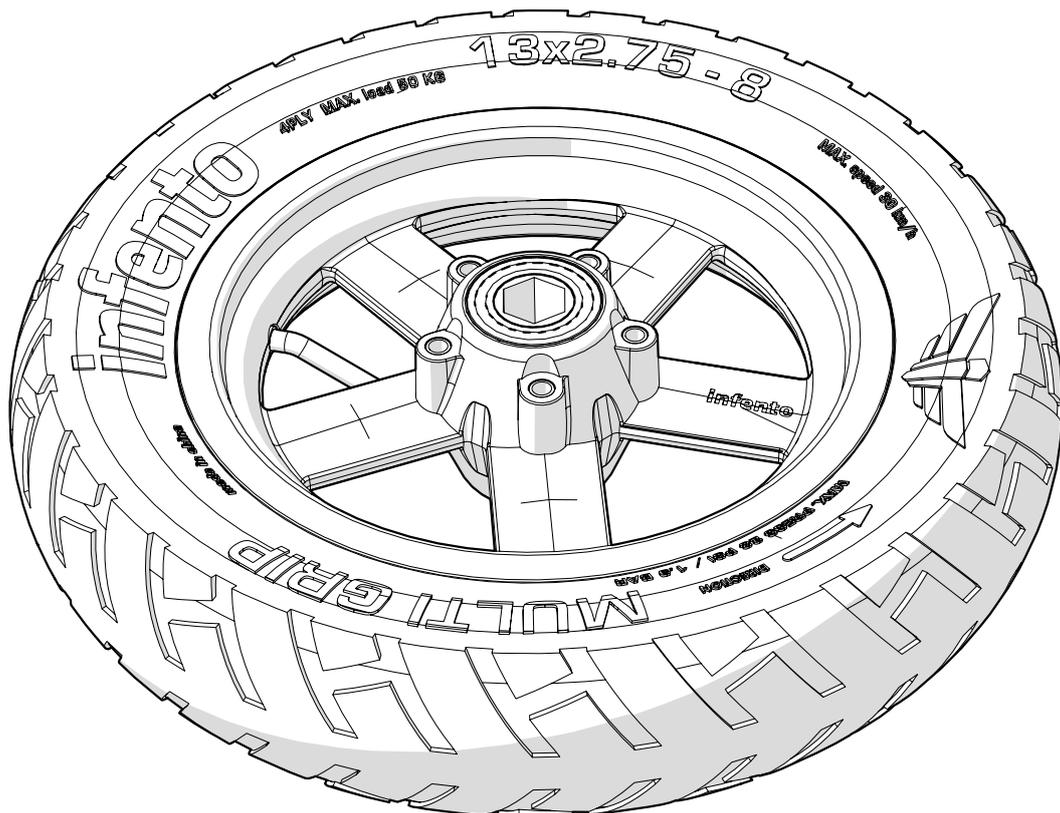
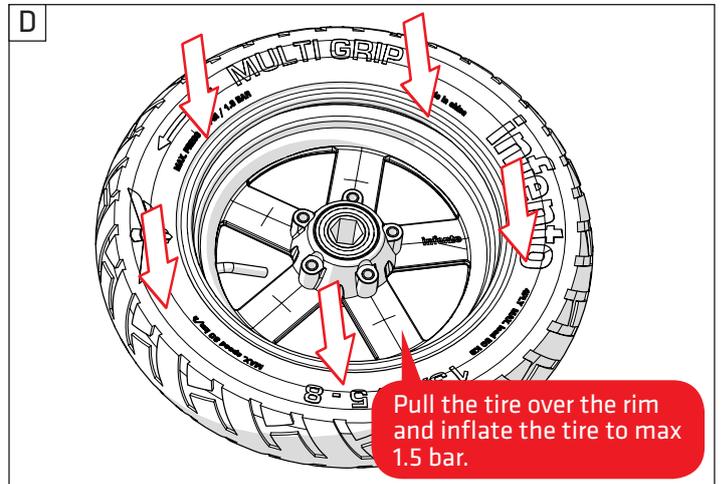
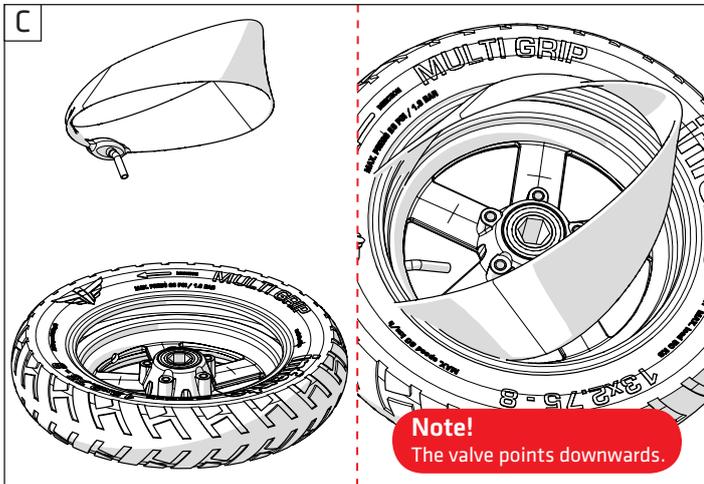
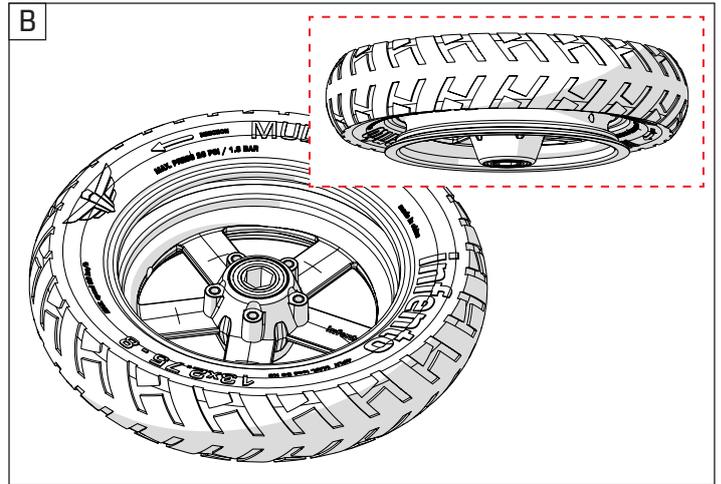
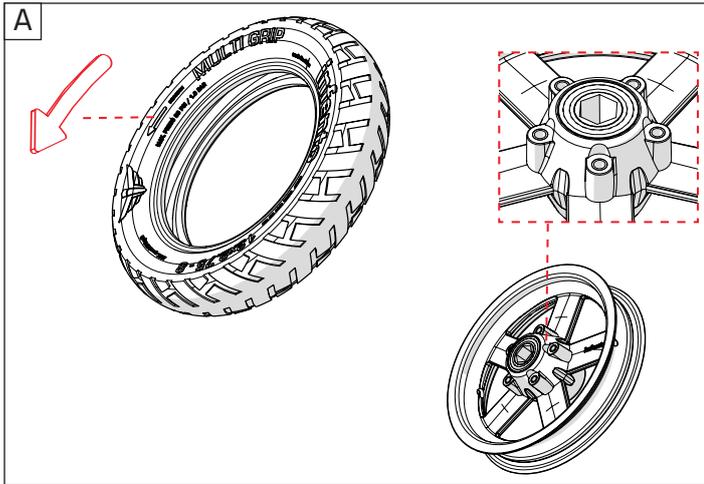
8 inch  
Free spinning rim 1x



Inner tube 1x  
13x2.75-8



Tire 1x  
13x2.75-8





# 16

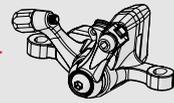
ride *SPRINTER*



5x

Bolt M6x12

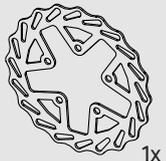
+



1x

Brake caliper

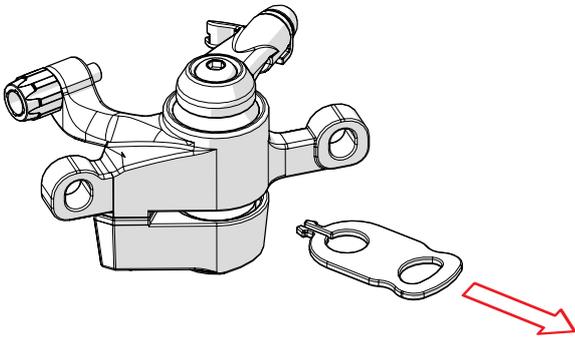
+



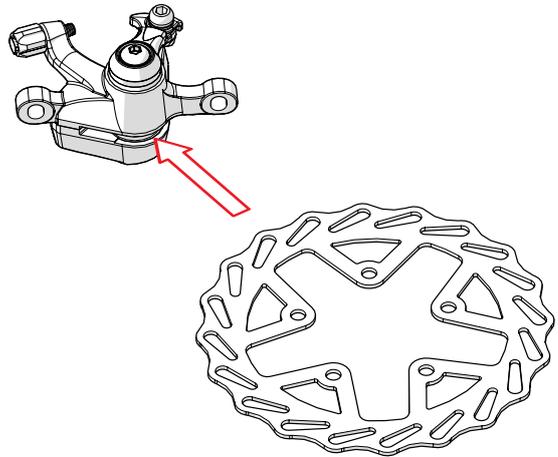
1x

Brake disc

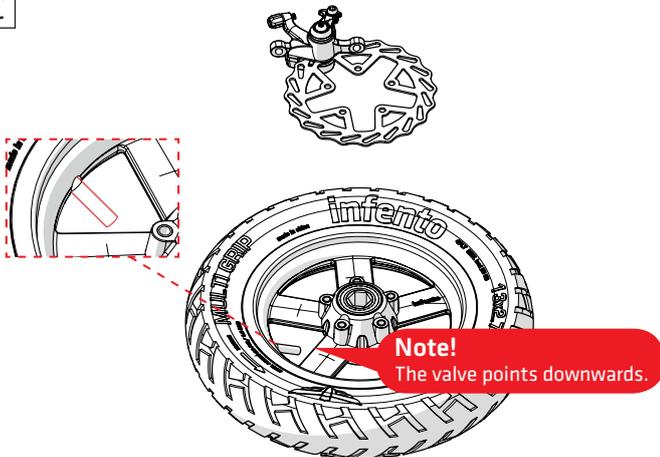
A



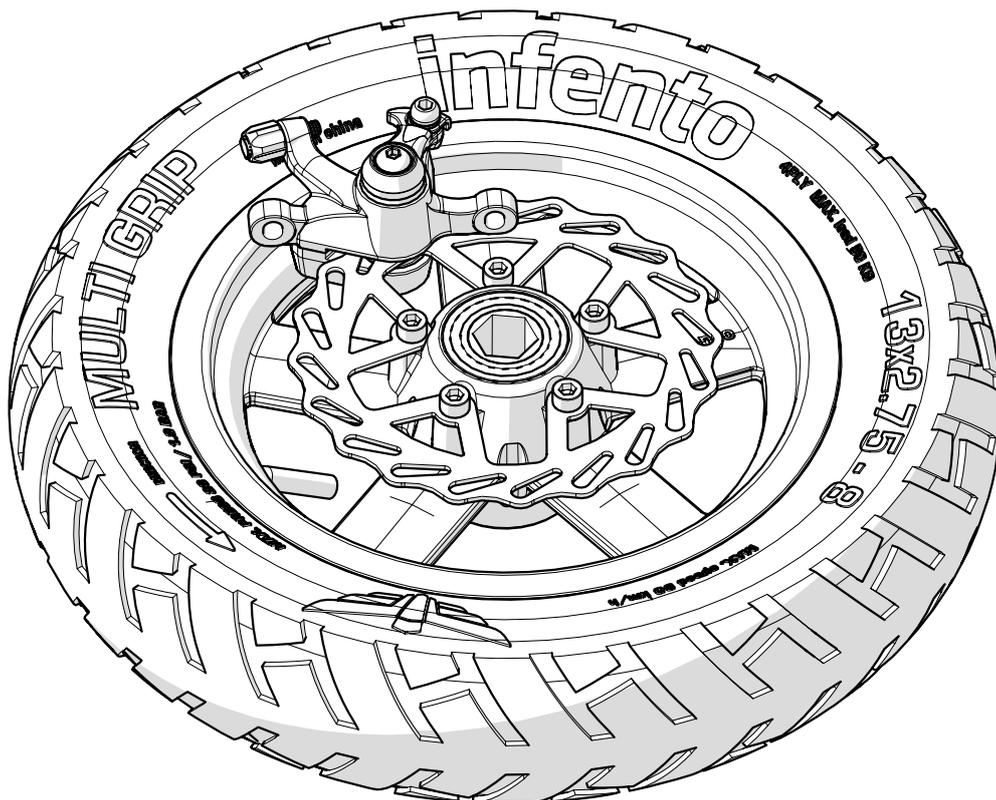
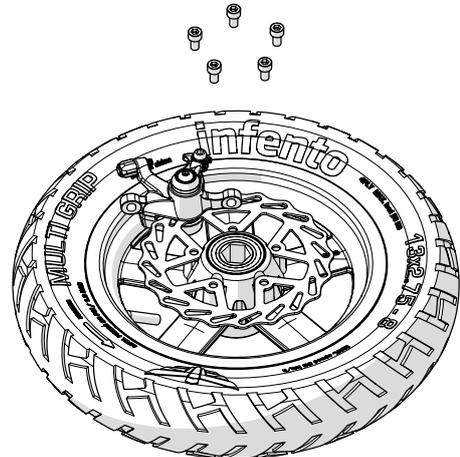
B



C



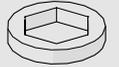
D



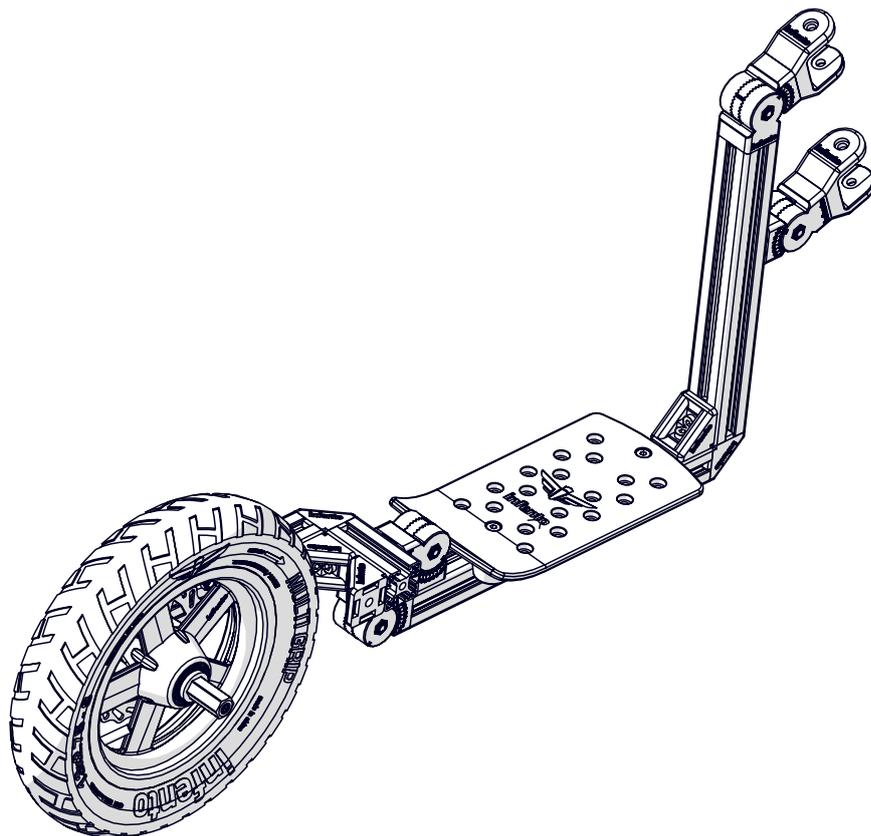
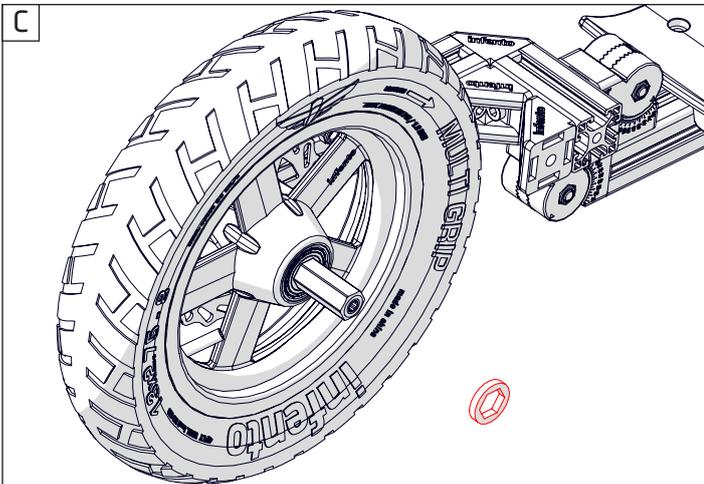
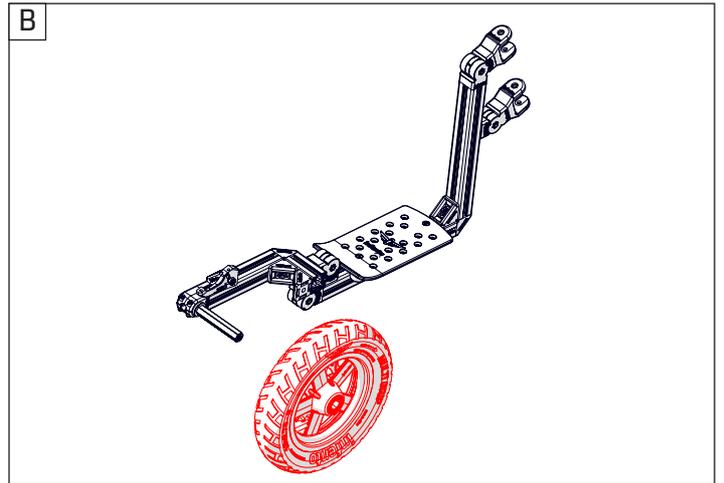
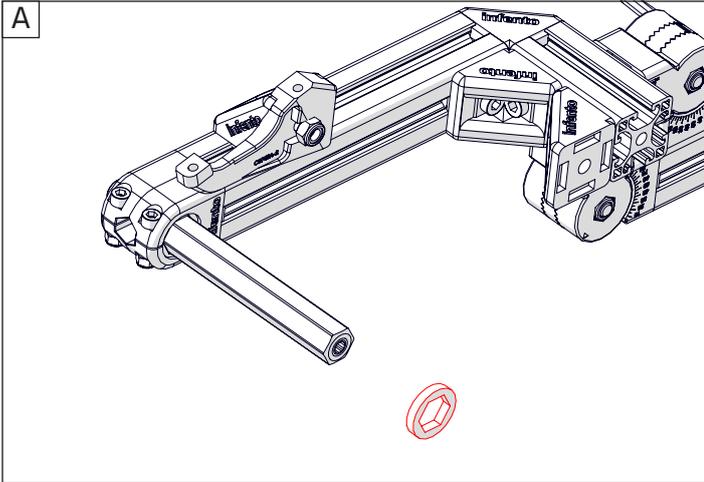


17

ride *SPRINTER*



Spacer 2x  
0.2inch | 5 mm





# 18

ride **SPRINTER**

Bolt M8x20  
(low head) 1x

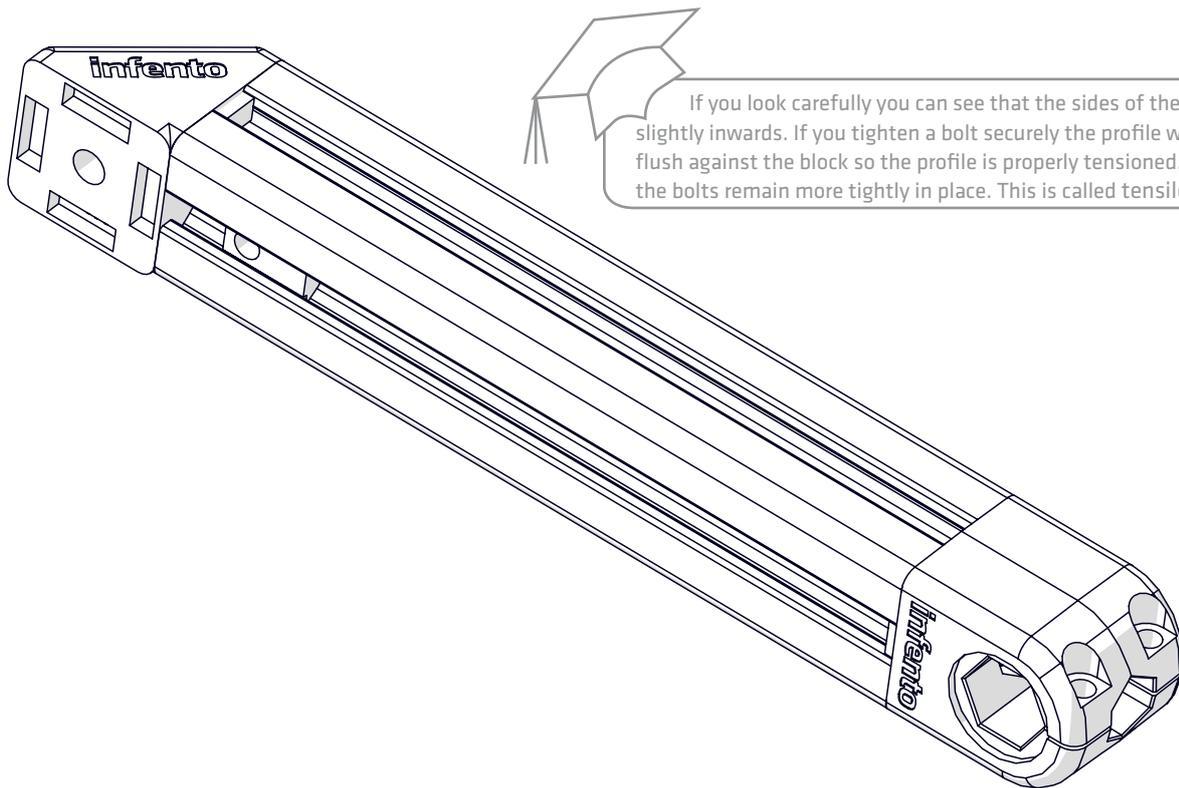
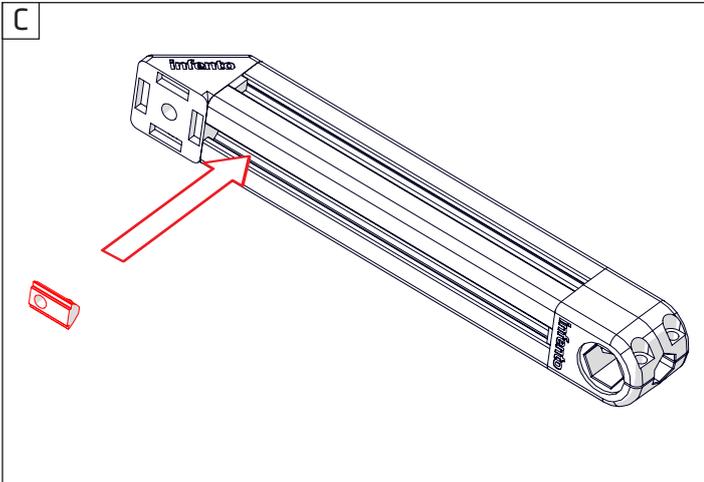
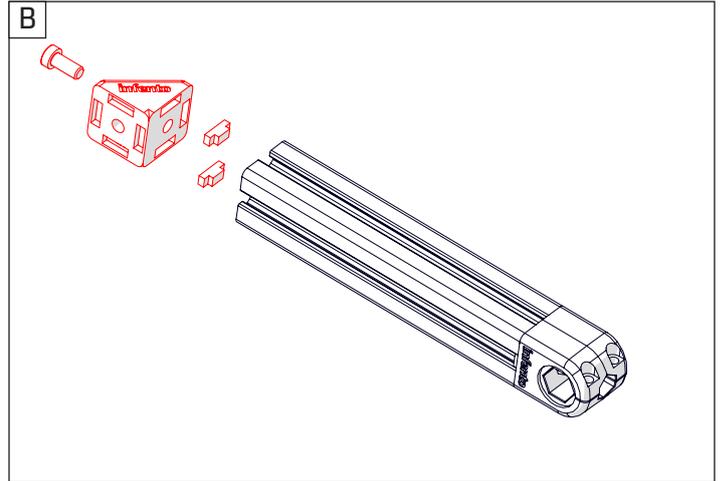
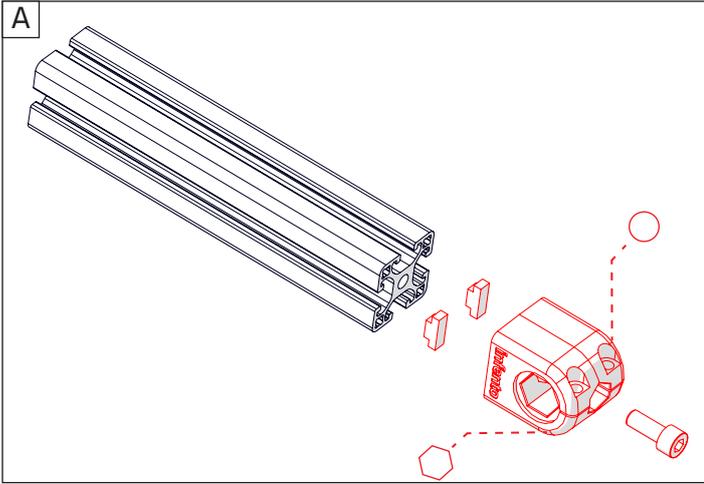
Bolt M8x20 1x

T-Positioning block 4x

Axle clamp 1x

L-joint 1x

Profile 1x  
7.87inch | 200mm



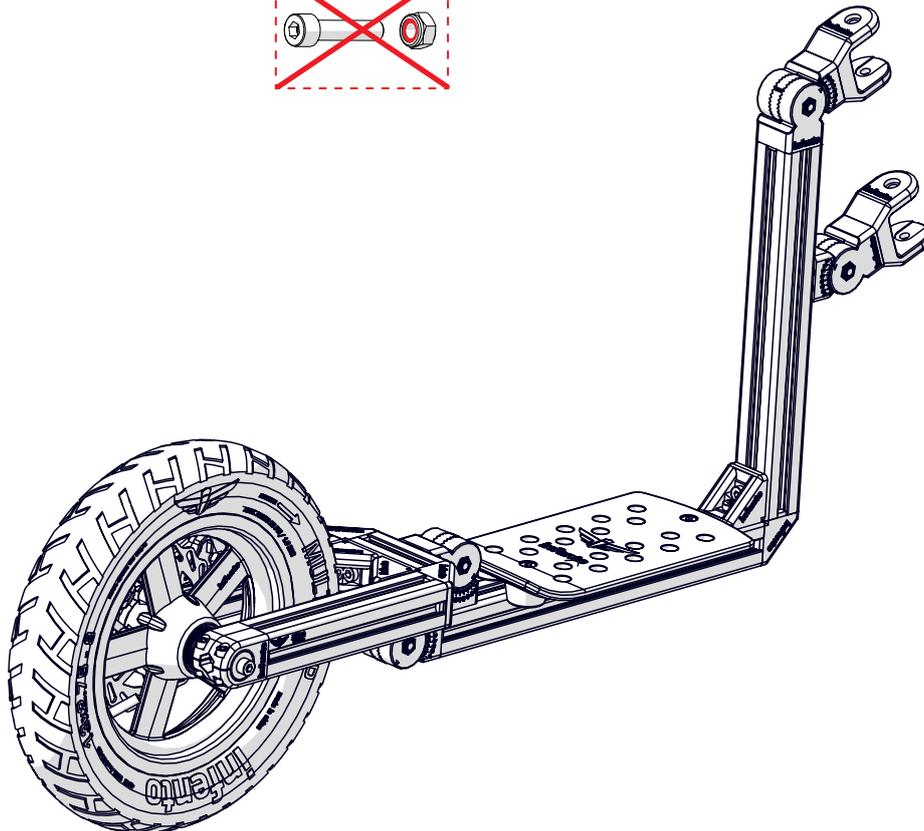
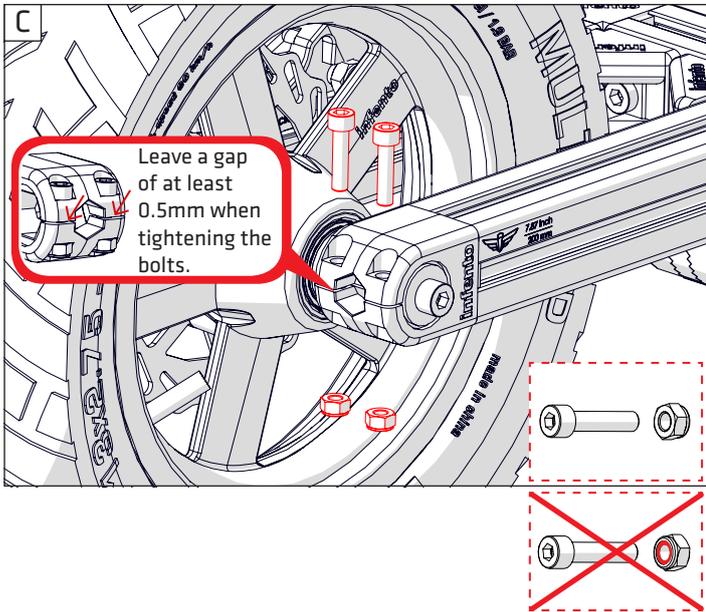
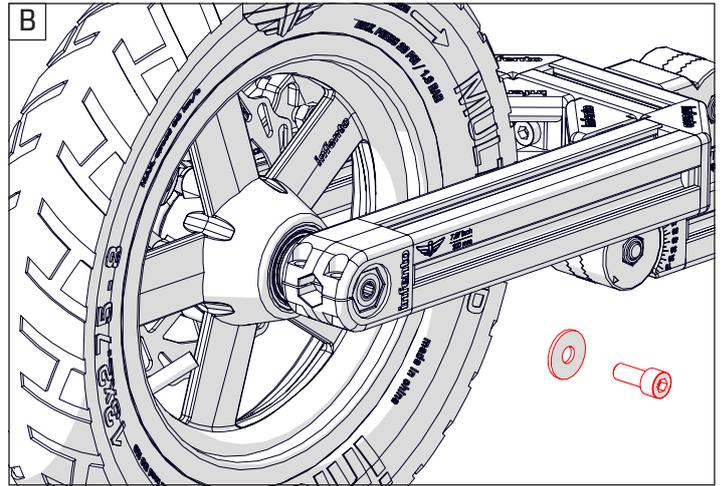
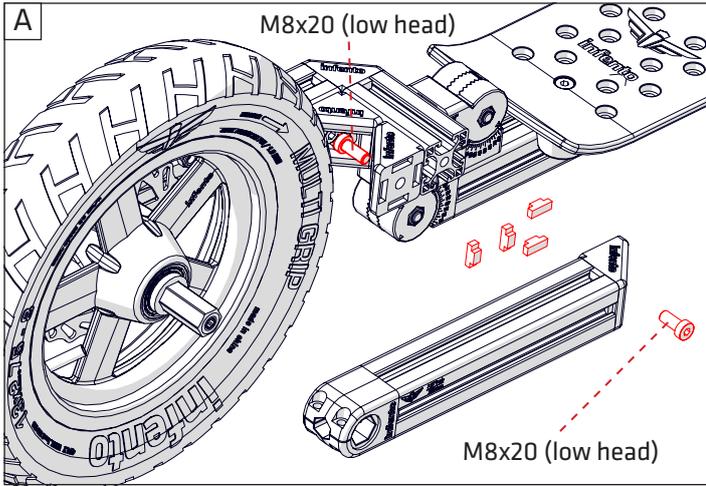
If you look carefully you can see that the sides of the profile slope slightly inwards. If you tighten a bolt securely the profile will be pulled flush against the block so the profile is properly tensioned. As a result the bolts remain more tightly in place. This is called tensile stress.



# 19

ride **SPRINTER**

- + + + + +
- Bolt M8x20 (low head) 2x      Bolt M6x25 2x      Locknut M6 2x      Bolt M8x20 1x      Washer M8-24 1x      T-Positioning block 4x





20

ride *SPRINTER*

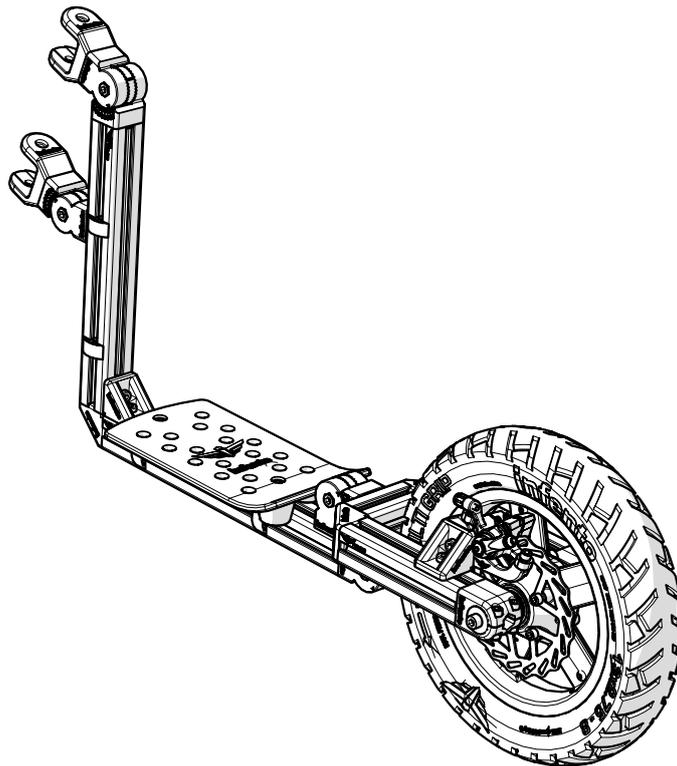
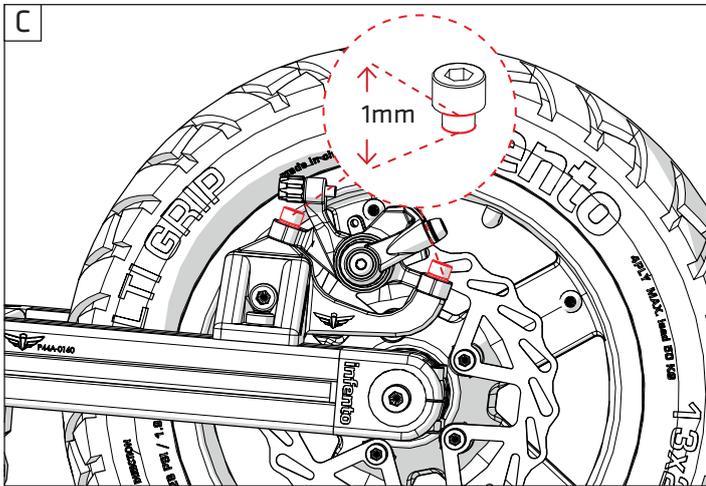
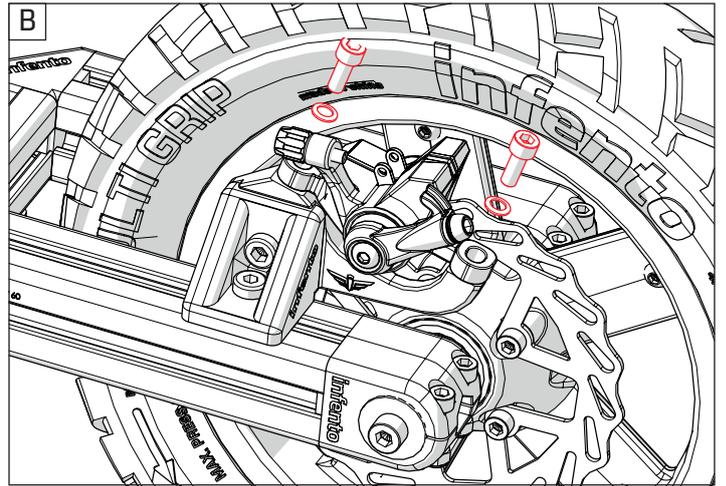
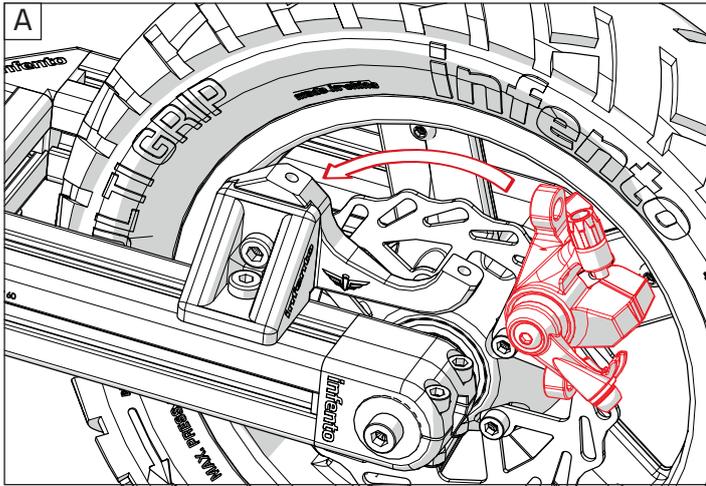


Conical spring  
washer M6-10

2x

Bolt M6x16

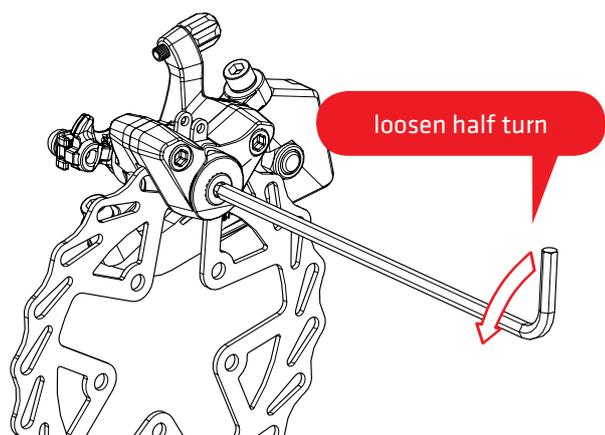
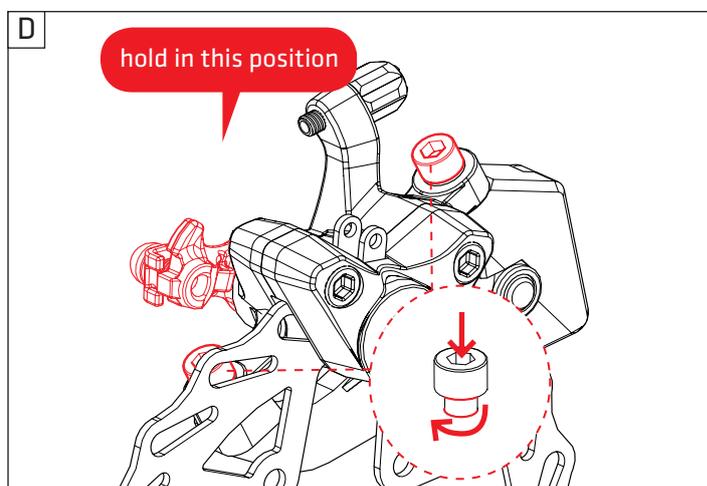
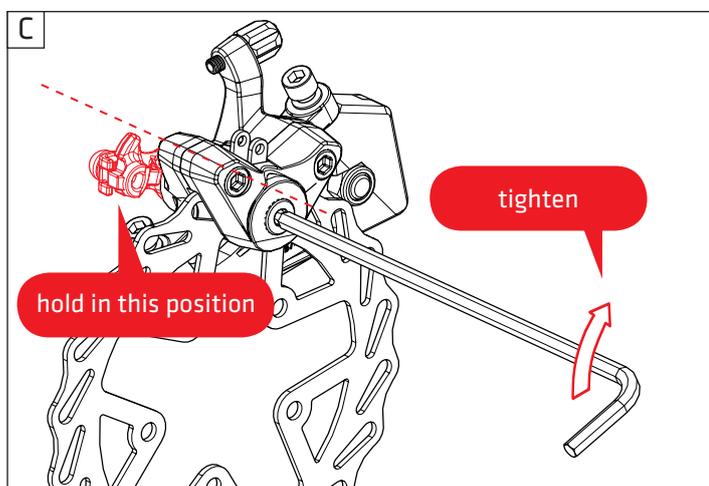
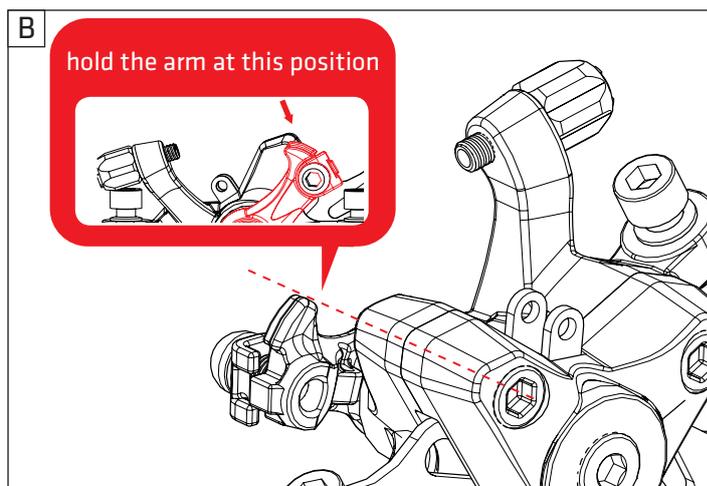
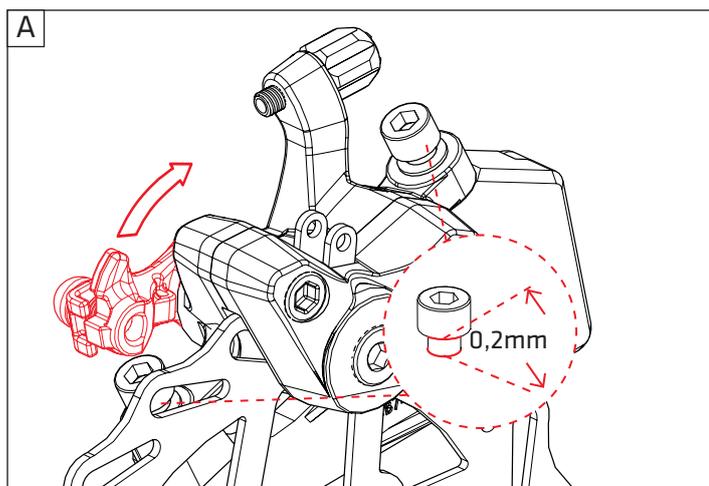
2x





# 21

ride *SPRINTER*





22

ride *SPRINTER*

 1x  
Bolt M8x20



 1x  
Bolt M8x20  
(low head)



 4x  
T-Positioning block

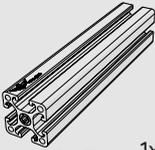


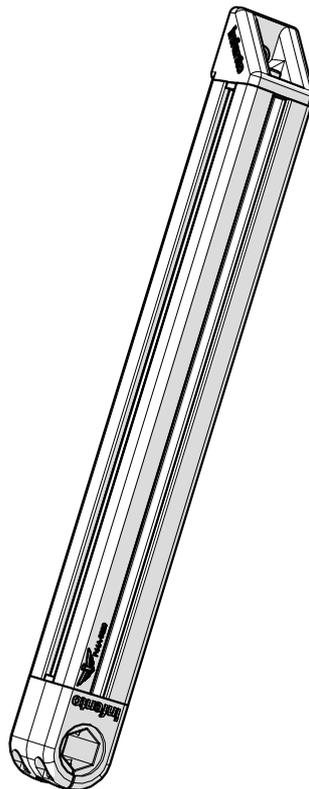
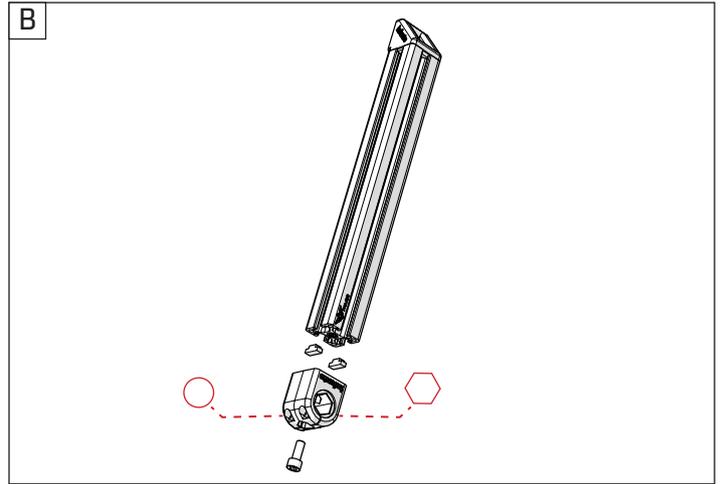
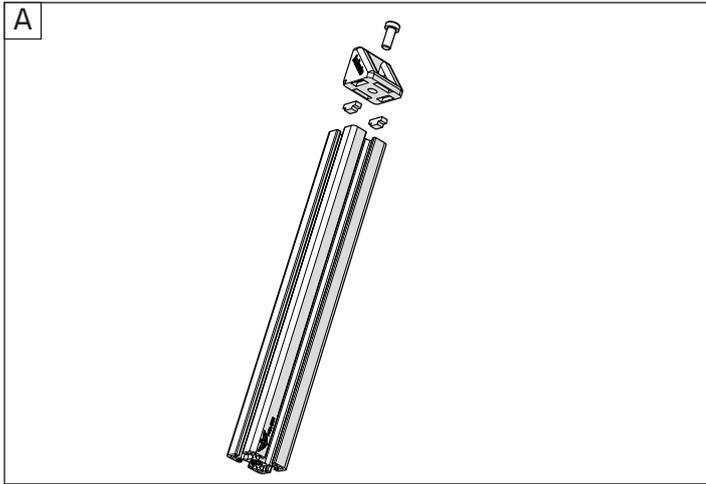
 1x  
Axle clamp



 1x  
L-joint



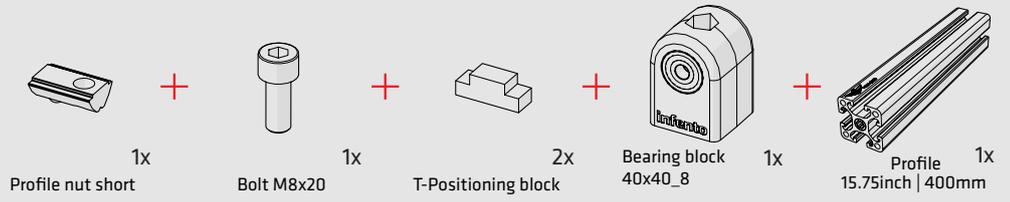
 1x  
Profile  
12.60inch | 320mm



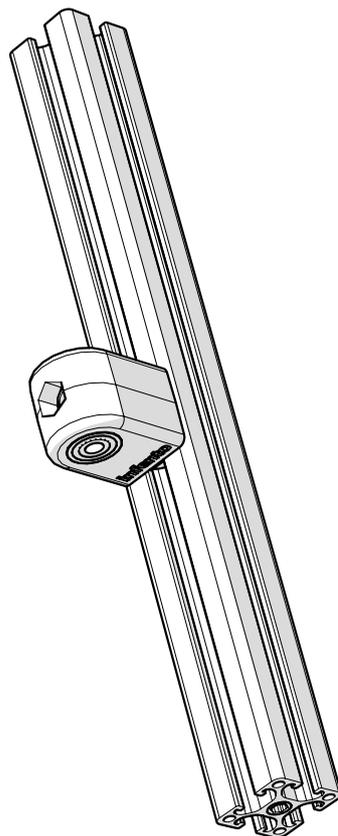
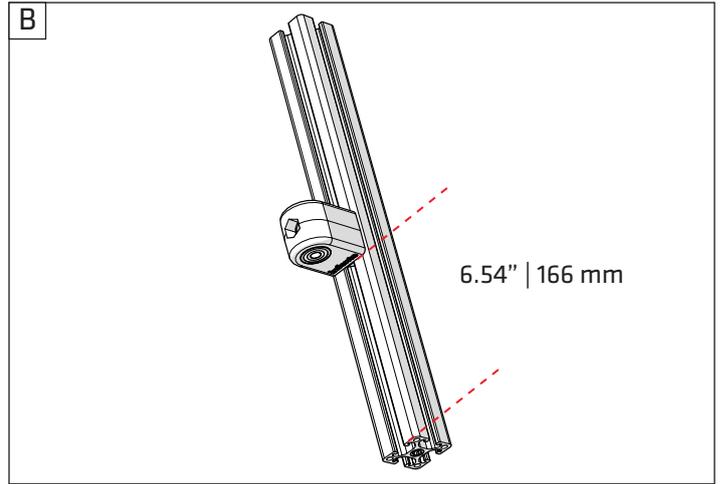
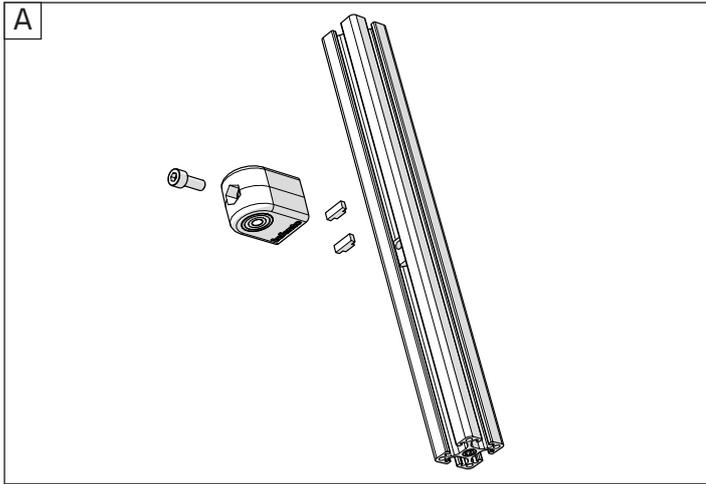


23

ride *SPRINTER*



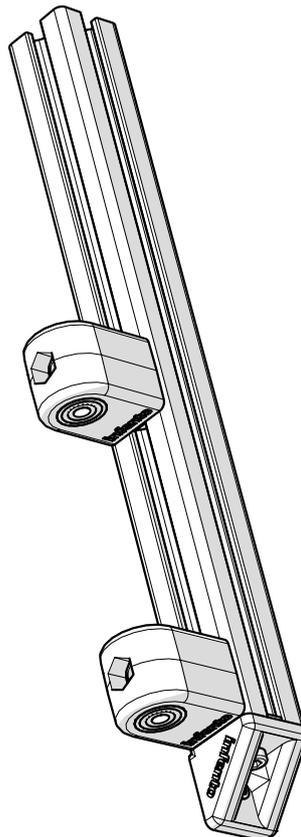
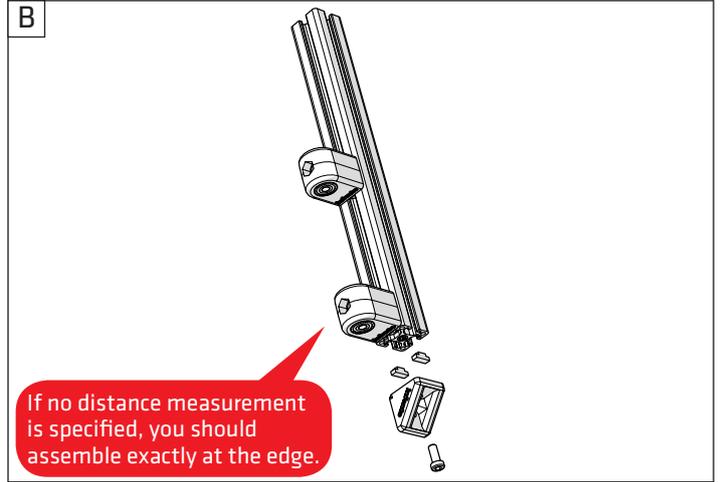
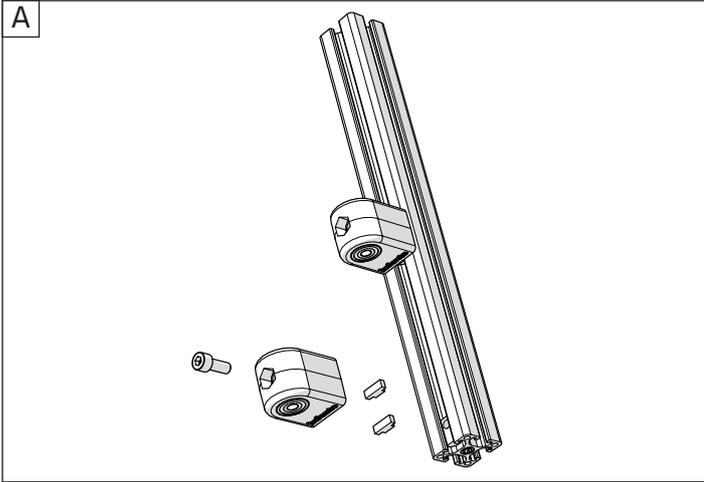
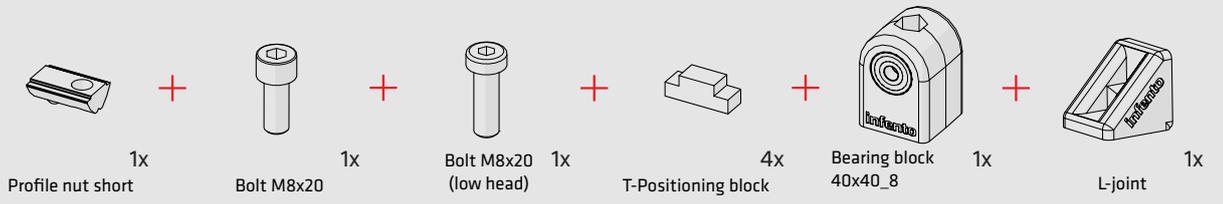
Use this profile for children older than 6 years.





# 24

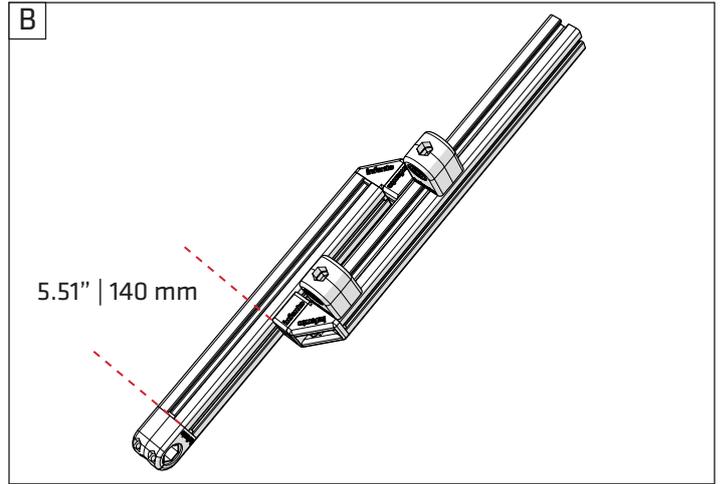
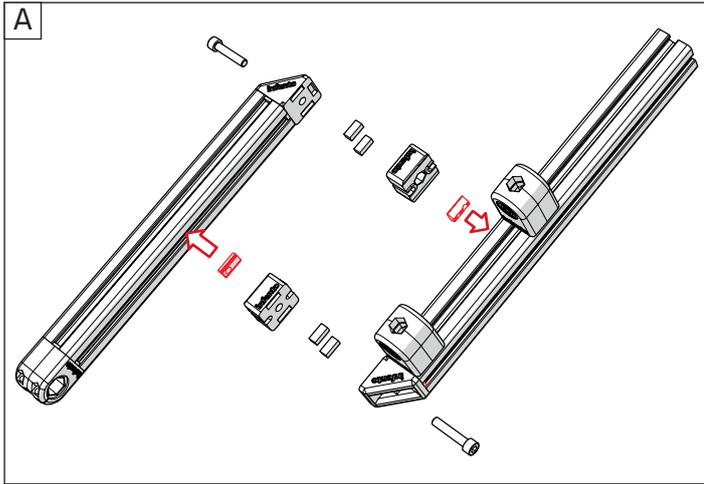
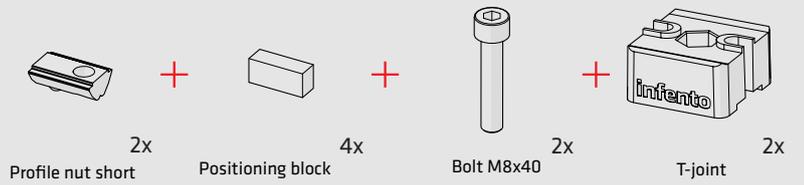
ride *SPRINTER*



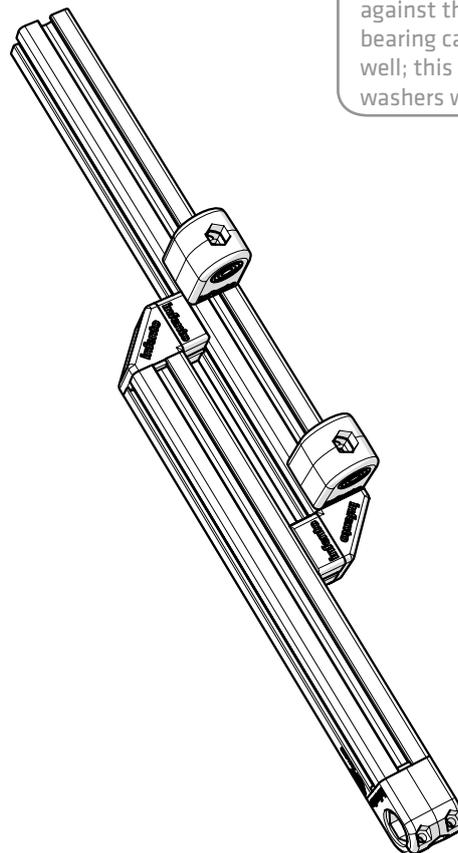


# 25

ride *SPRINTER*



All Infento block bearings have two bearings with a spacer in between. This ensures that you can e.g. put a bolt or a washer tightly against the block bearing without it breaking. A bearing cannot withstand lateral pressure very well; this is because a bearing consists of two washers with small balls locked in between.





26

ride *SPRINTER*

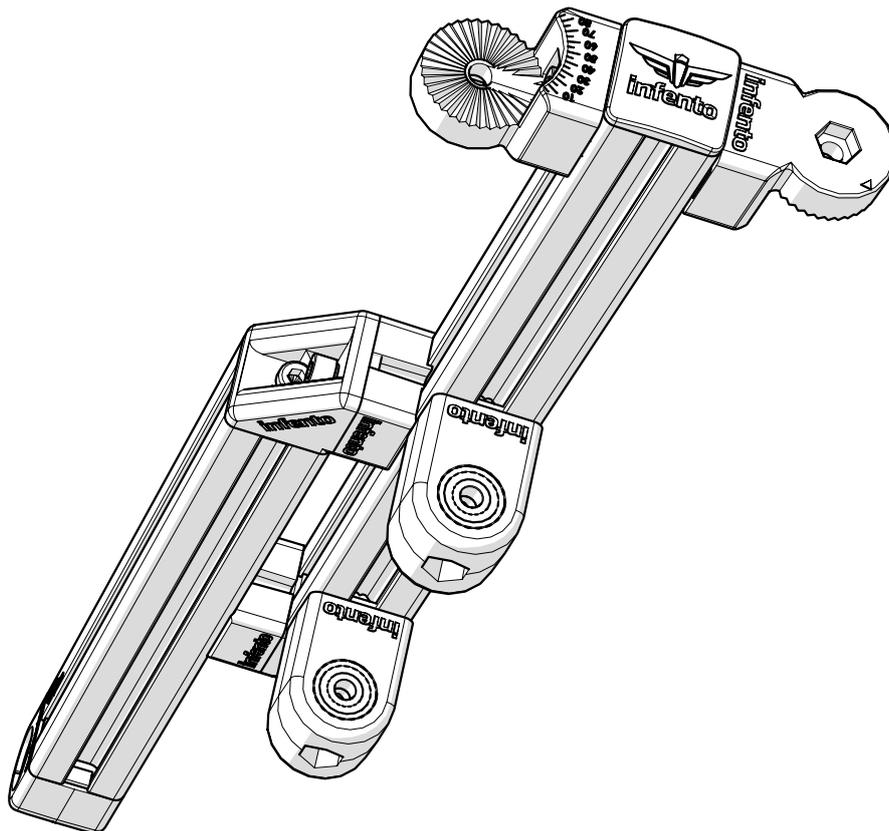
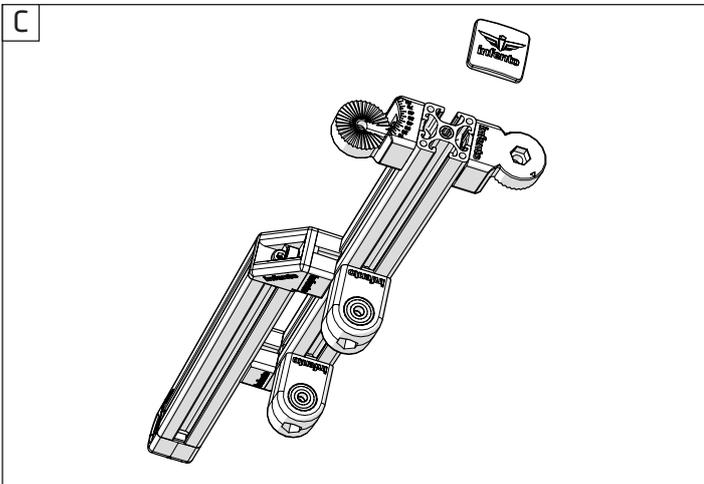
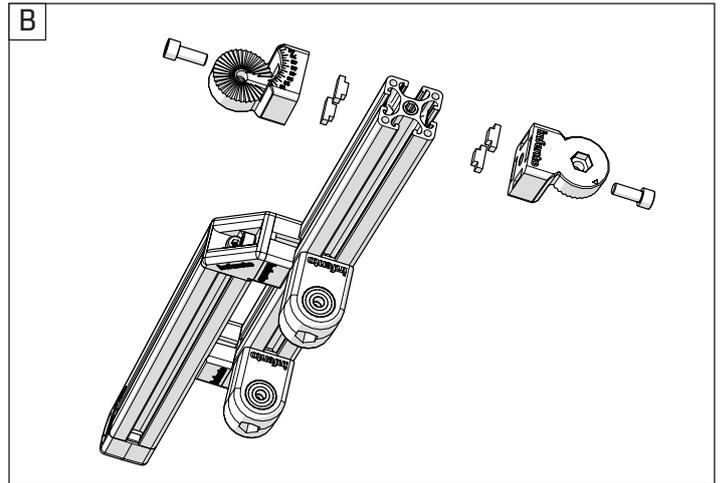
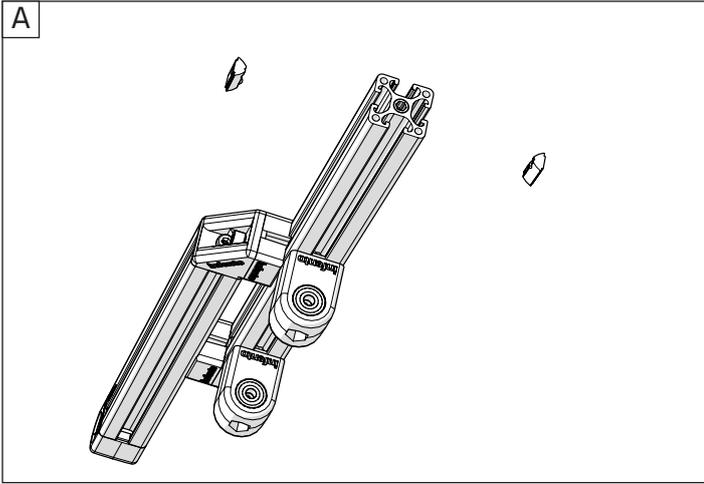
 +  
2x  
Profile nut short

 +  
4x  
T-Positioning block

 +  
2x  
Bolt M8x20

 +  
1x  
Protect cap

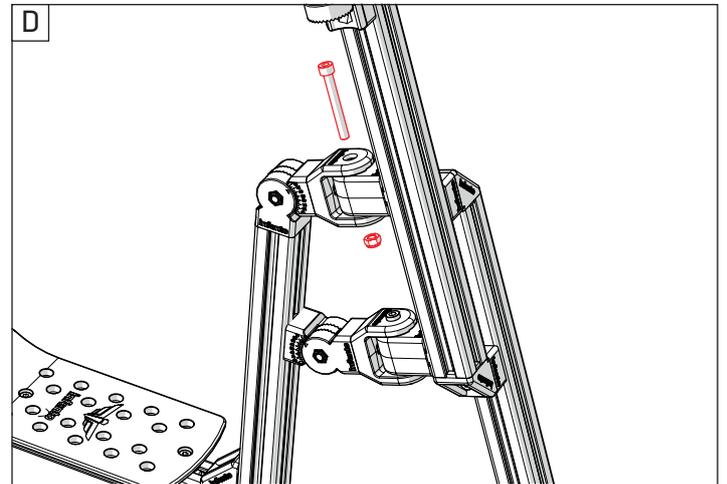
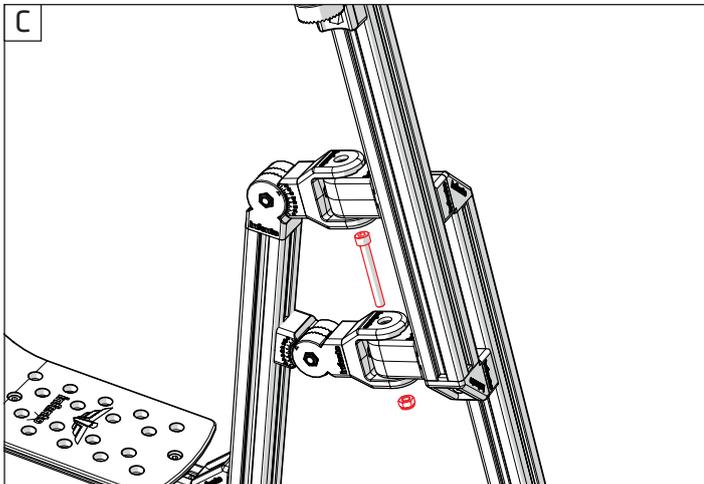
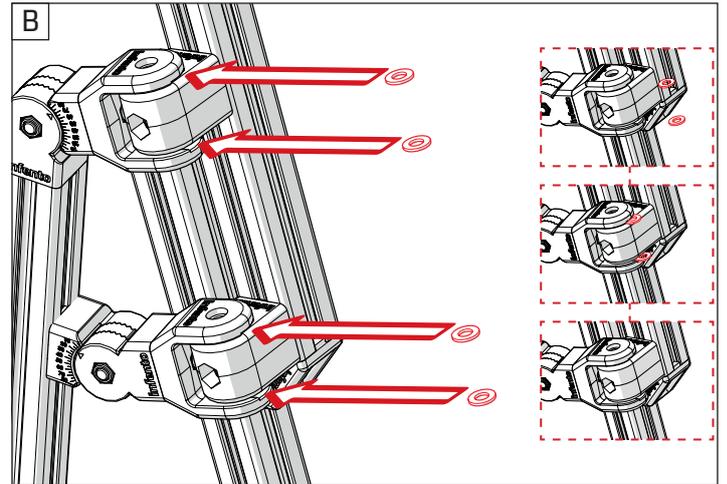
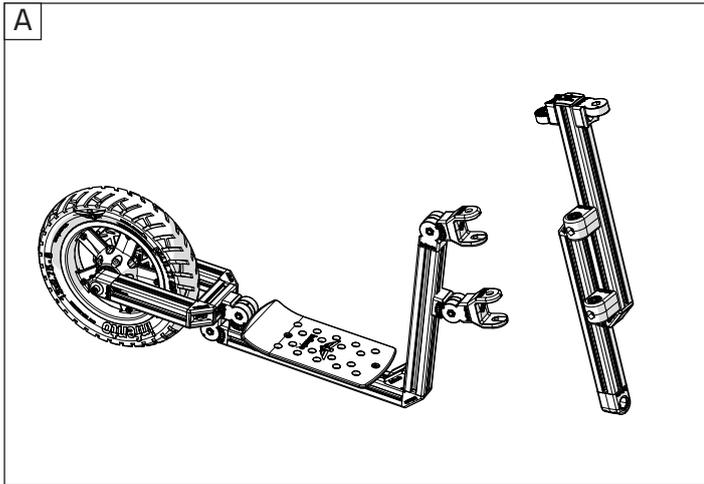
 +  
2x  
Multi angle joint



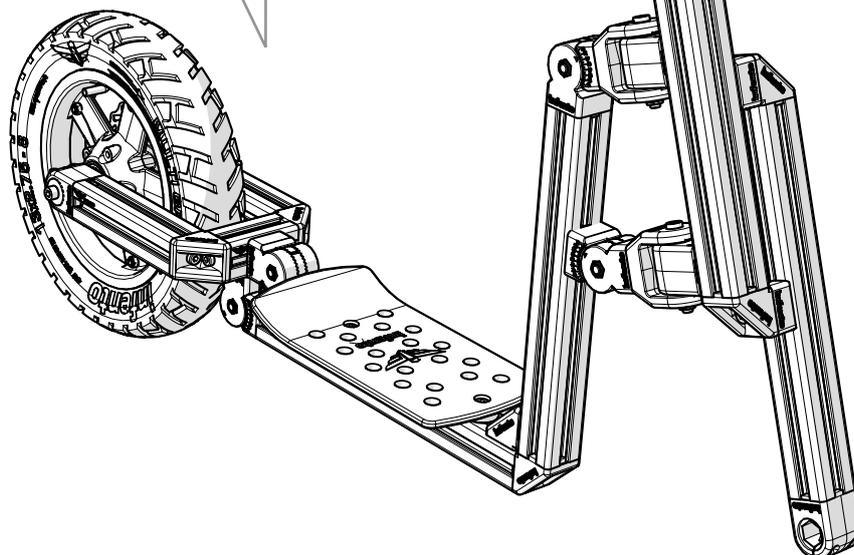


# 27

ride *SPRINTER*



Between the U-block and the block bearing there have to be two washers. They ensure that there is space between the two blocks. Without it, the blocks would rub against each other, damage and twist heavily. With washers the gap is filled perfectly and you can tighten them securely.

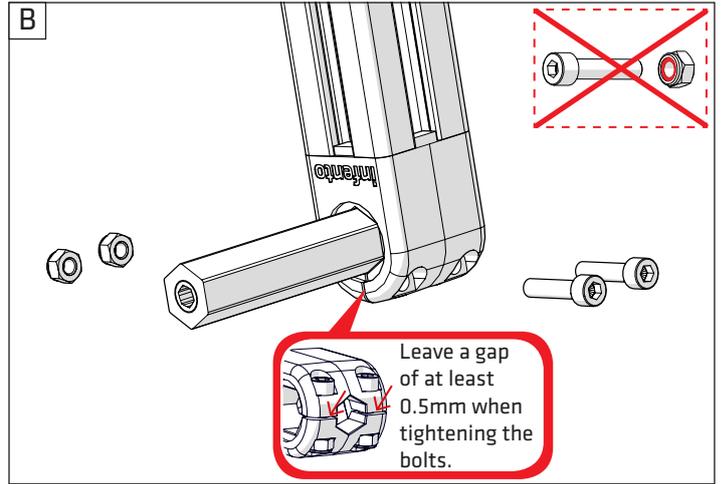
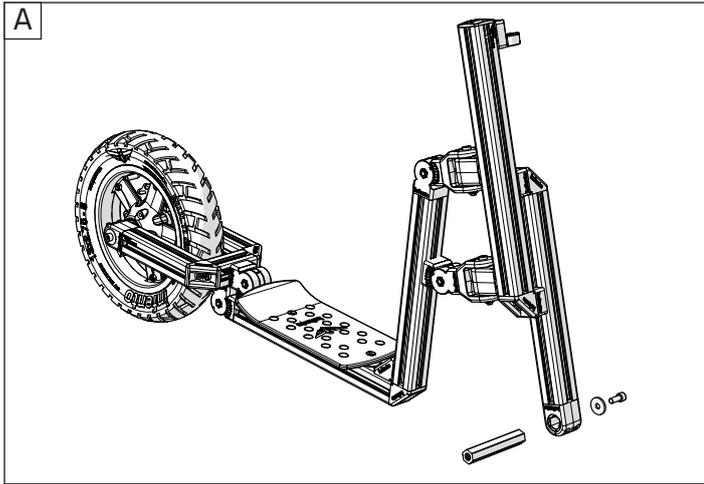




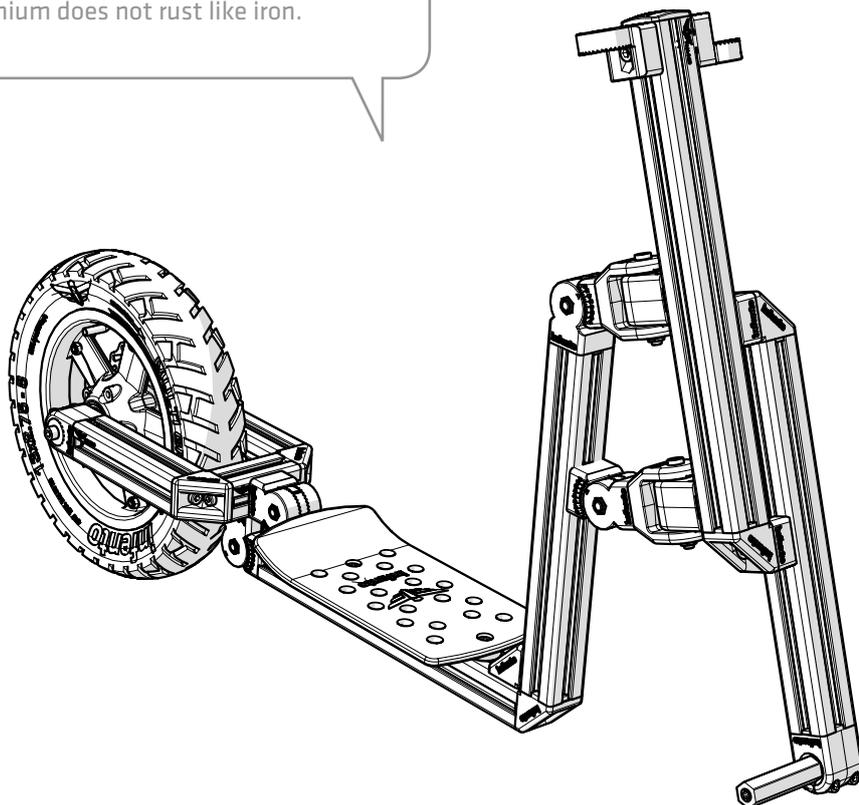
# 28

ride *SPRINTER*

-  +
  -  +
  -  +
  -  +
  -  1x
- Locknut M6 2x    Bolt M6x25 2x    Bolt M8x20 1x    Washer M8-24 1x    Axle 4.37inch | 111mm 1x



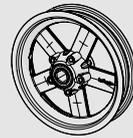
The Infento profiles are made of aluminium. This is a light and strong metal that is also used to build aeroplanes. A major advantage is that aluminium does not rust like iron.



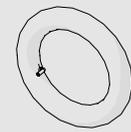


29

ride *SPRINTER*



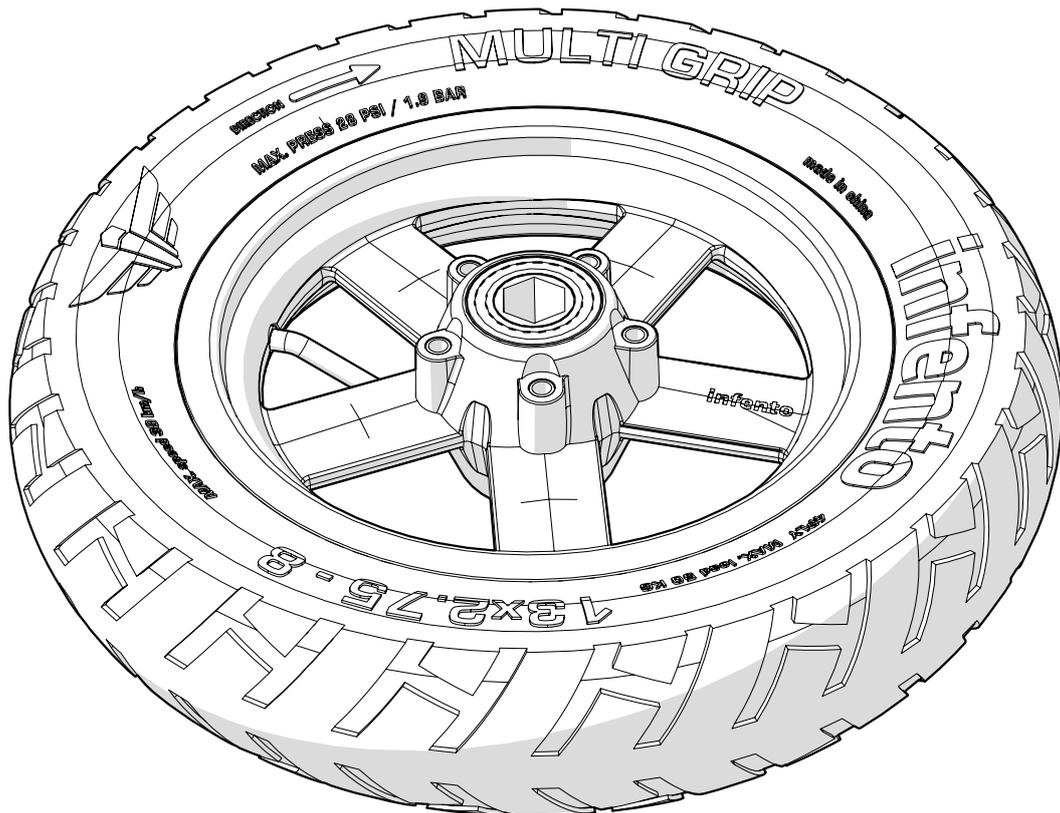
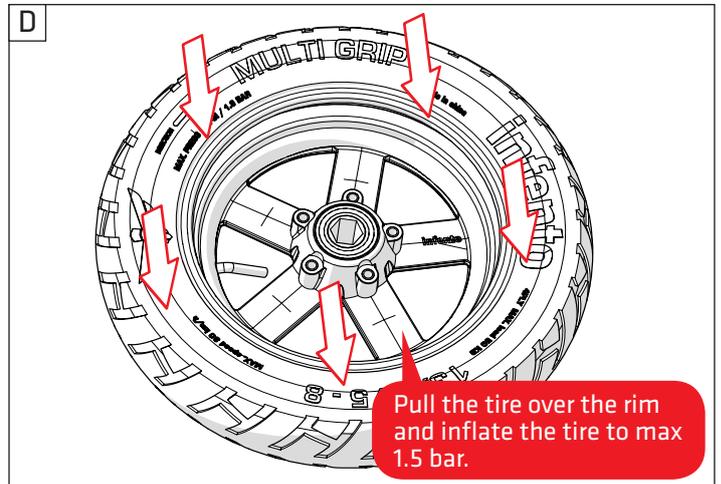
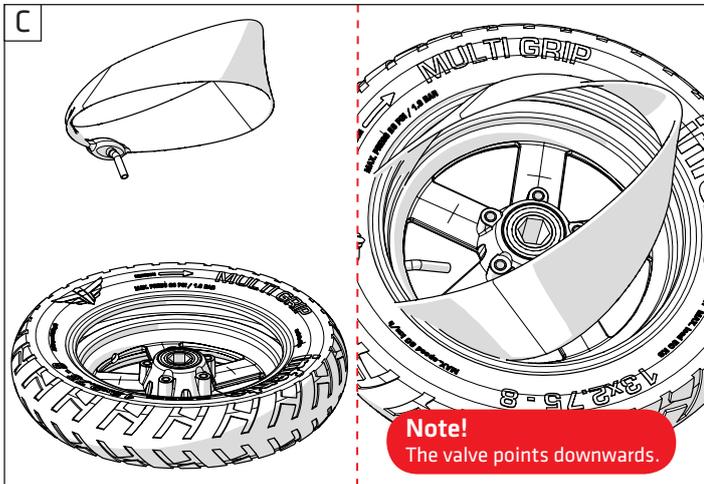
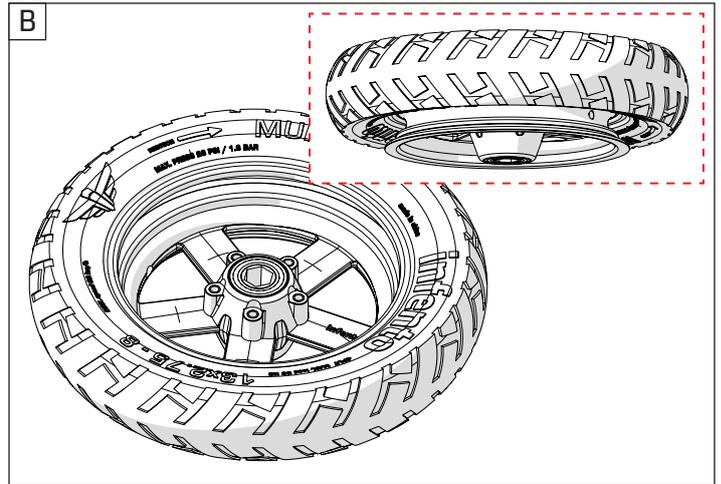
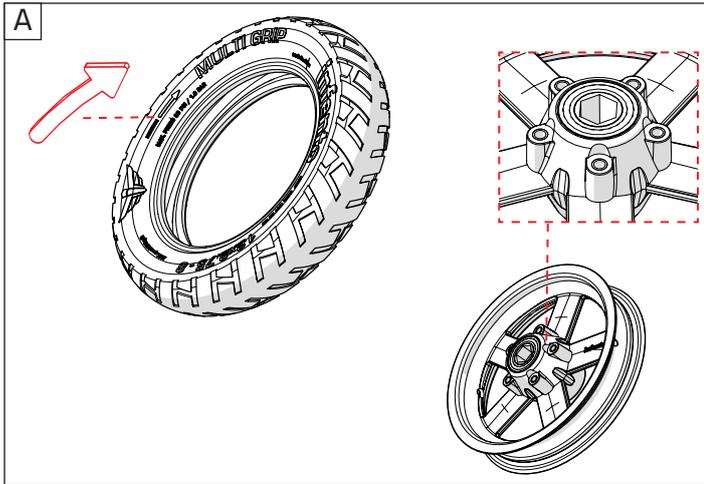
8 inch  
Free spinning rim 1x



Inner tube 1x  
13x2.75-8



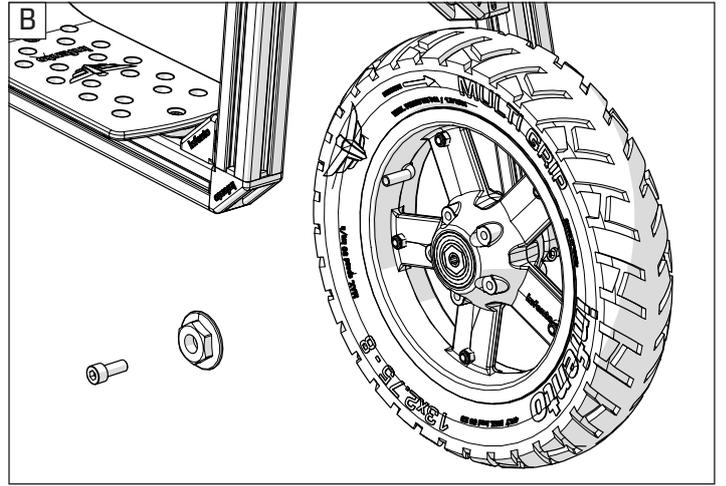
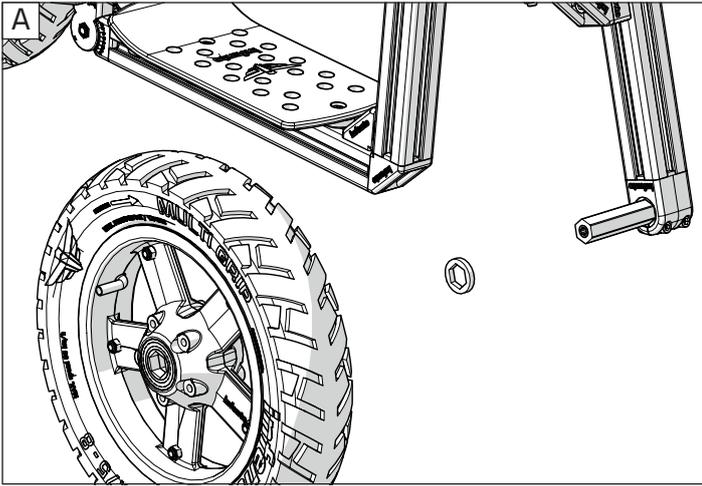
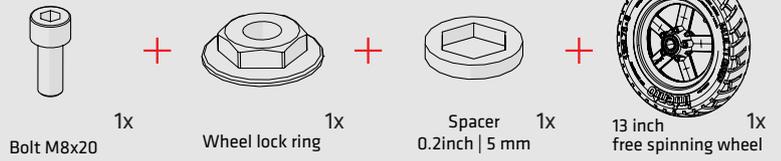
Tire 1x  
13x2.75-8



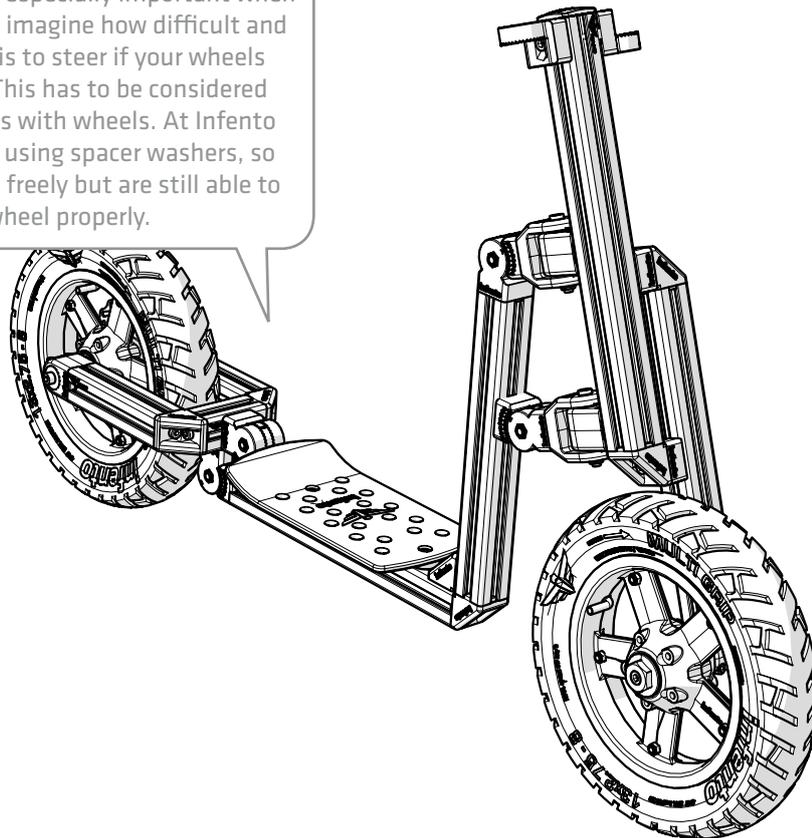


# 30

ride *SPRINTER*



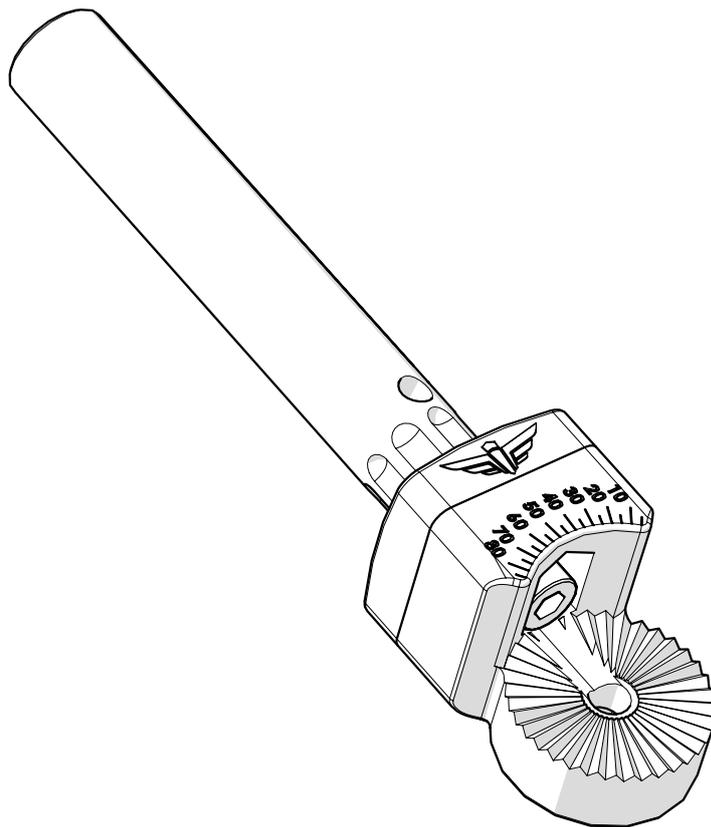
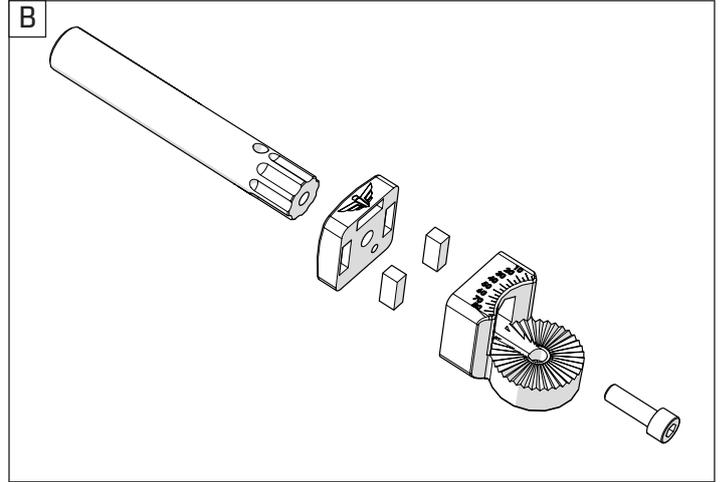
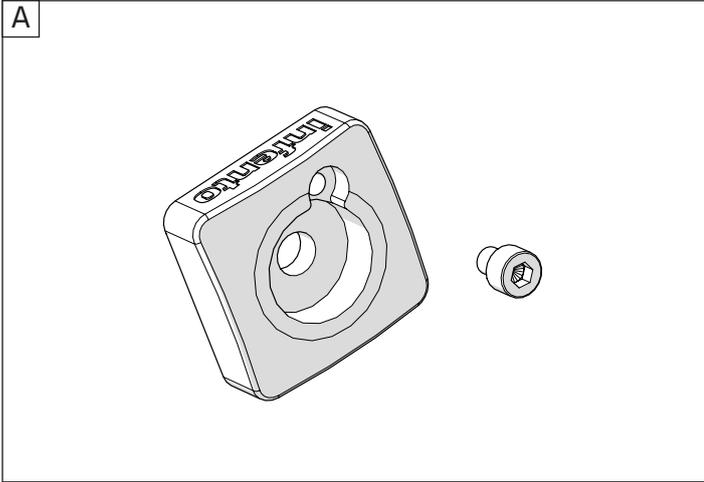
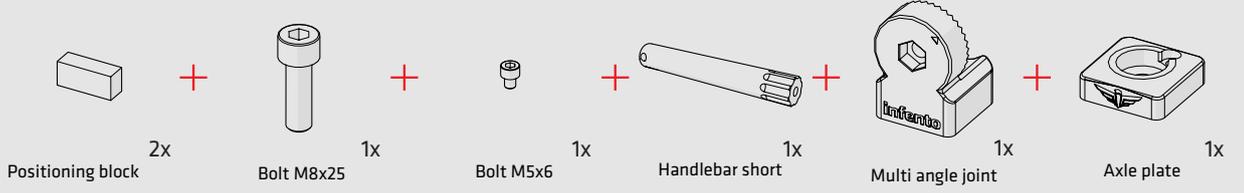
A wheel always has to be locked tightly with washers because the wheel might otherwise move over the axle. This way you ensure that the wheel does not touch anywhere and will not rattle. This is especially important when steering. Just imagine how difficult and hazardous it is to steer if your wheels are moving. This has to be considered for all vehicles with wheels. At Infento this is solved using spacer washers, so you can build freely but are still able to tighten the wheel properly.





**31**

ride *SPRINTER*





32

ride *SPRINTER*



1x



1x

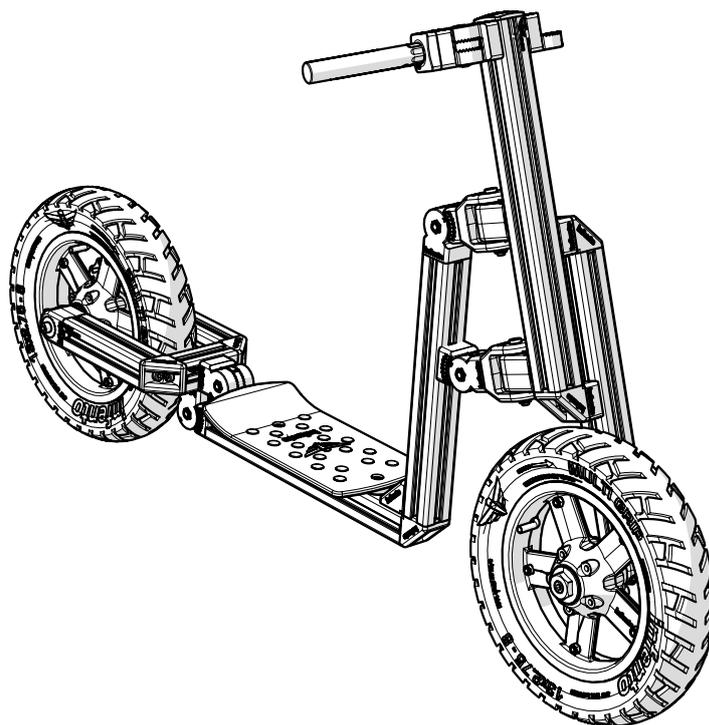
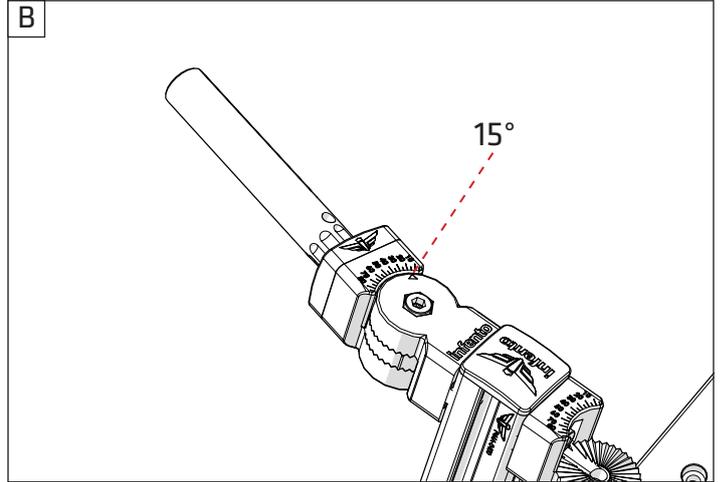
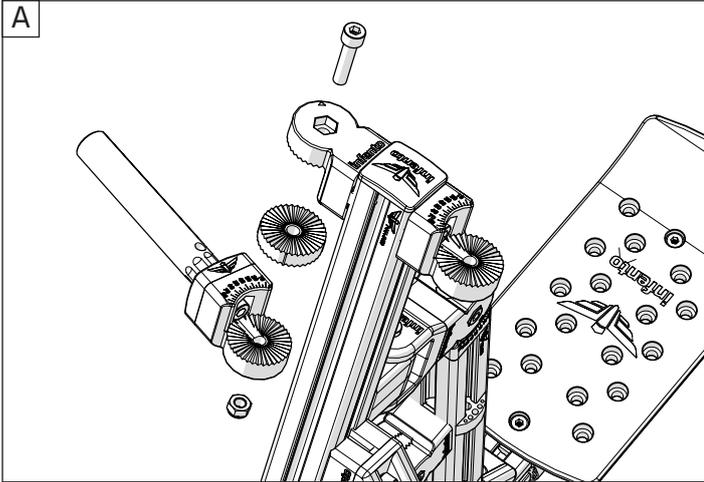


1x

Bolt M8x35

Locknut M8

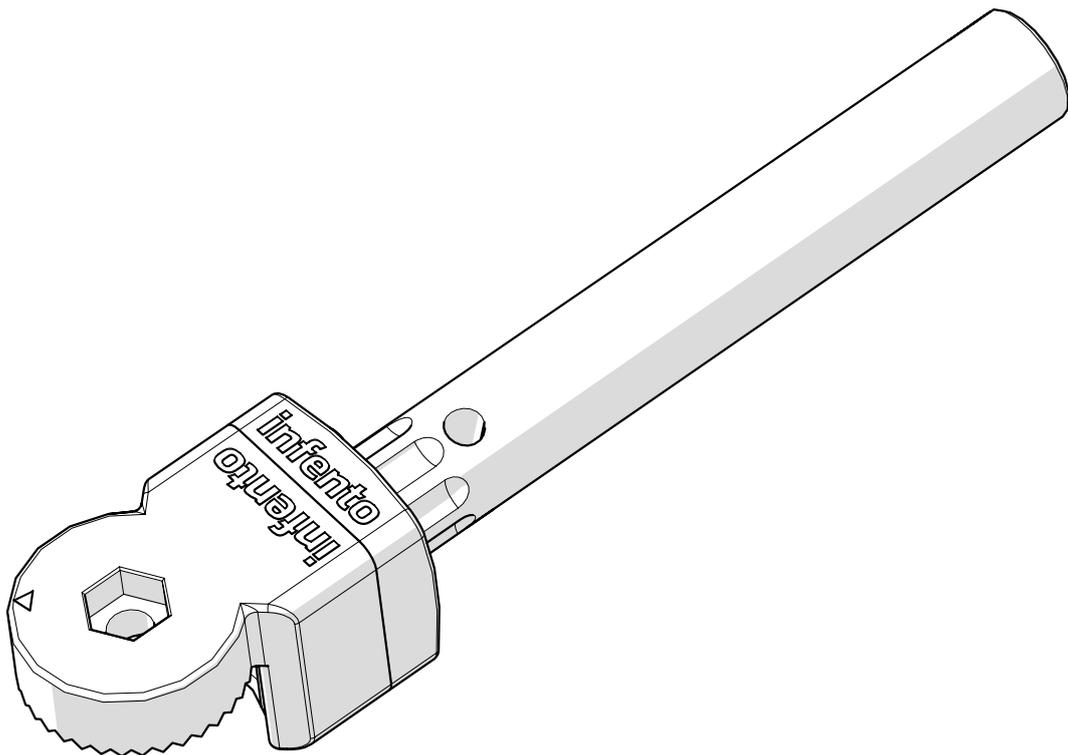
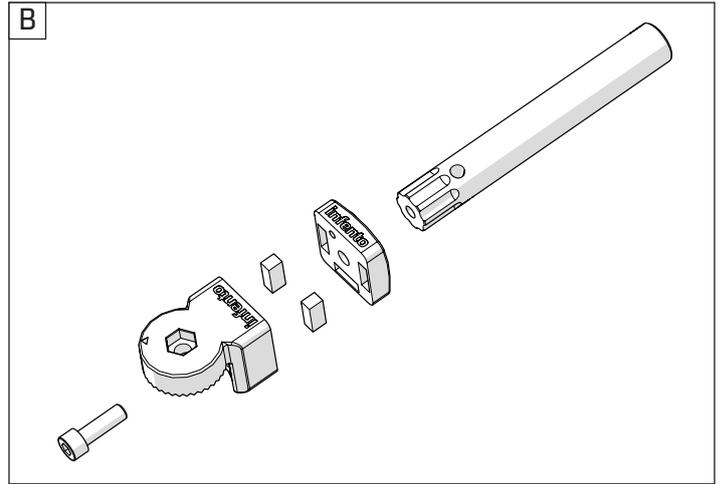
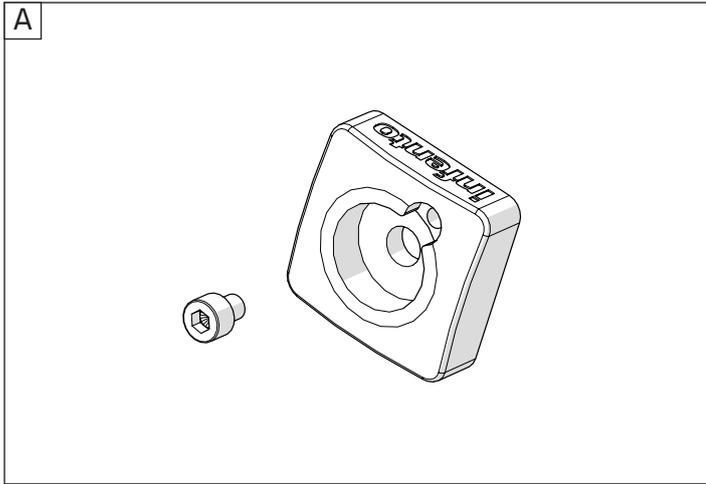
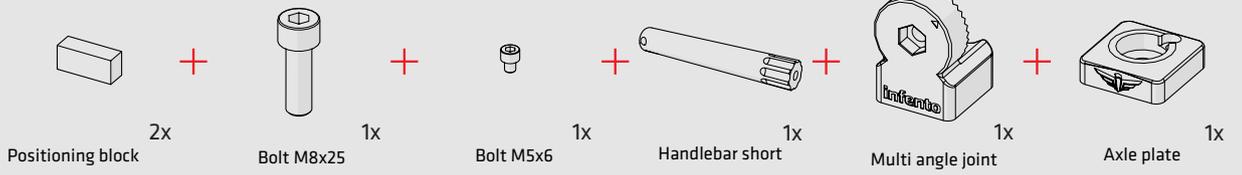
Knurled disc 1 stripe





**33**

ride *SPRINTER*





# 34

ride *SPRINTER*



1x

Bolt M8x35



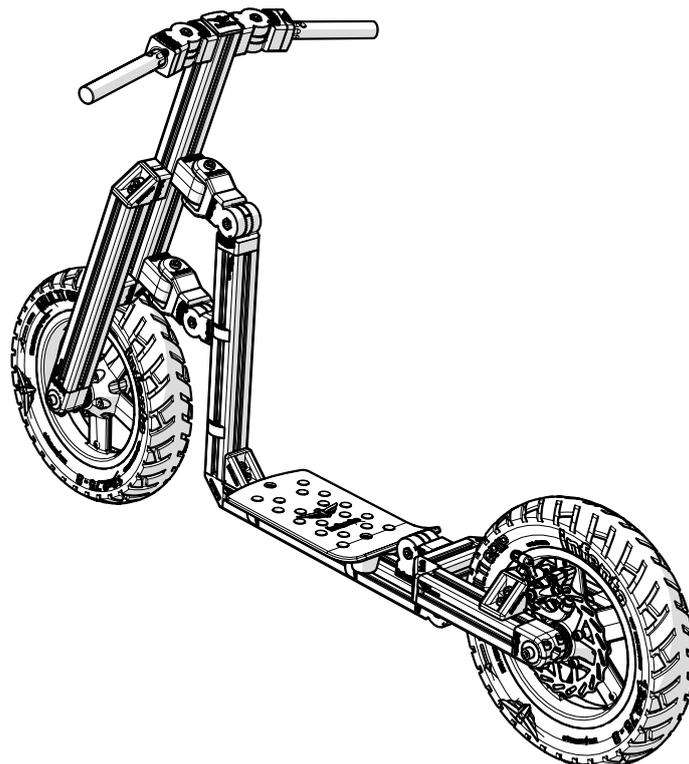
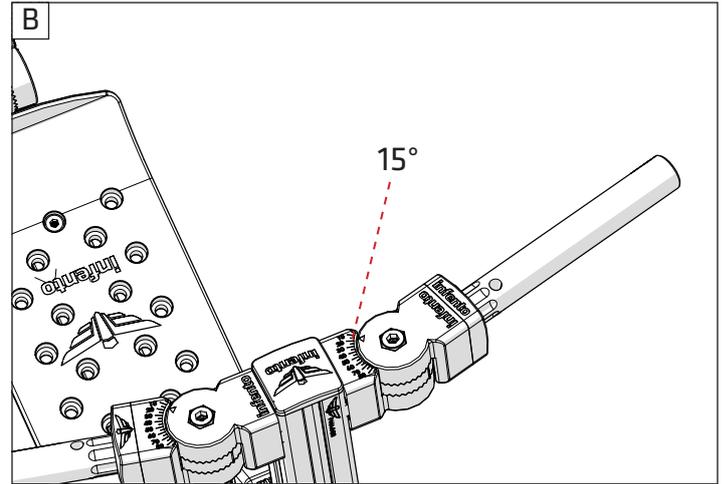
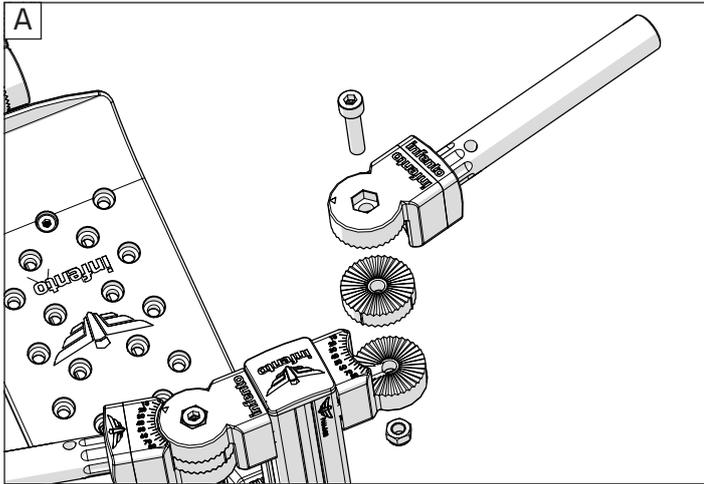
1x

Locknut M8



1x

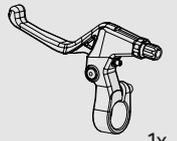
Knurled disc 1 stripe



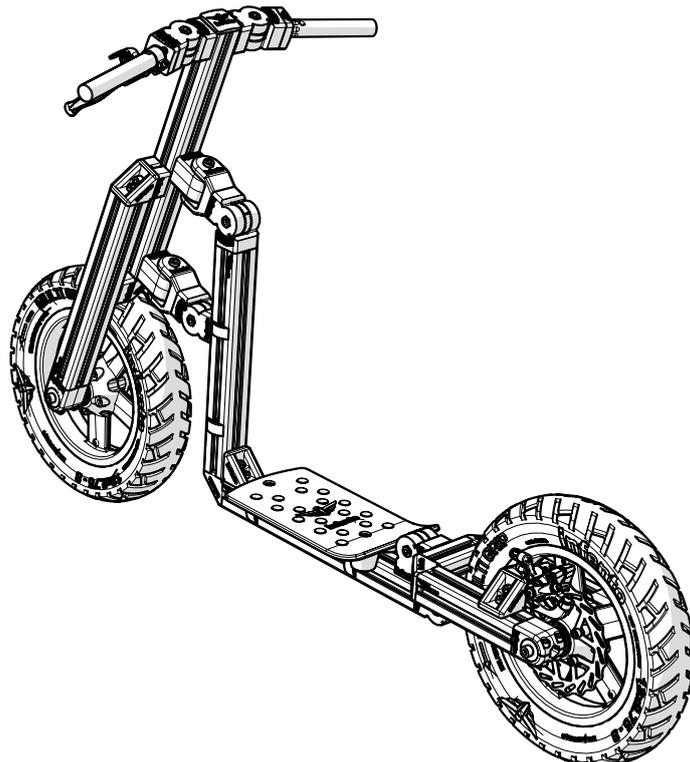
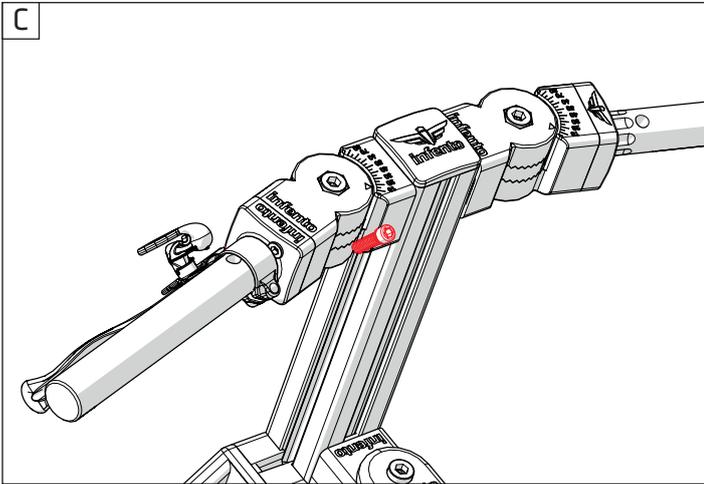
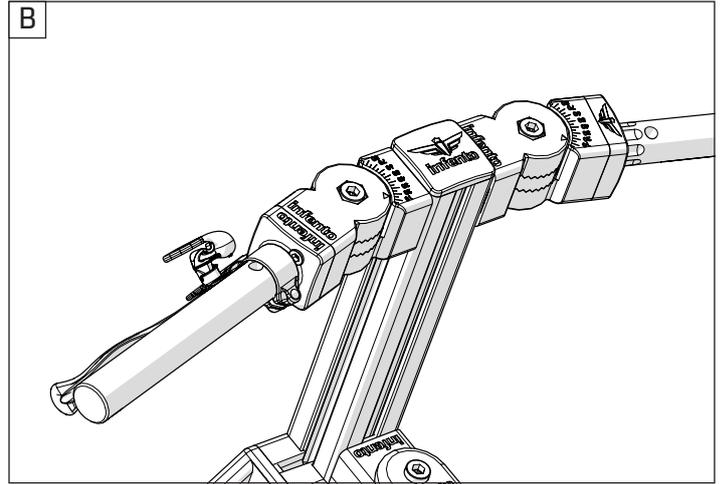
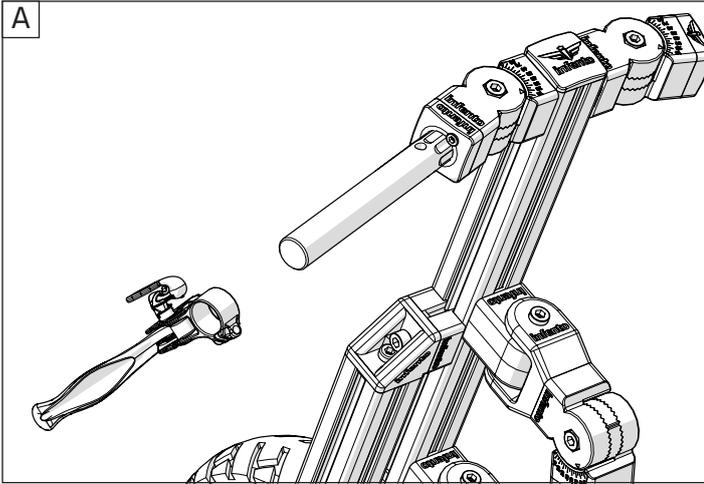


35

ride *SPRINTER*



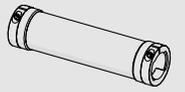
1x  
Brake lever left



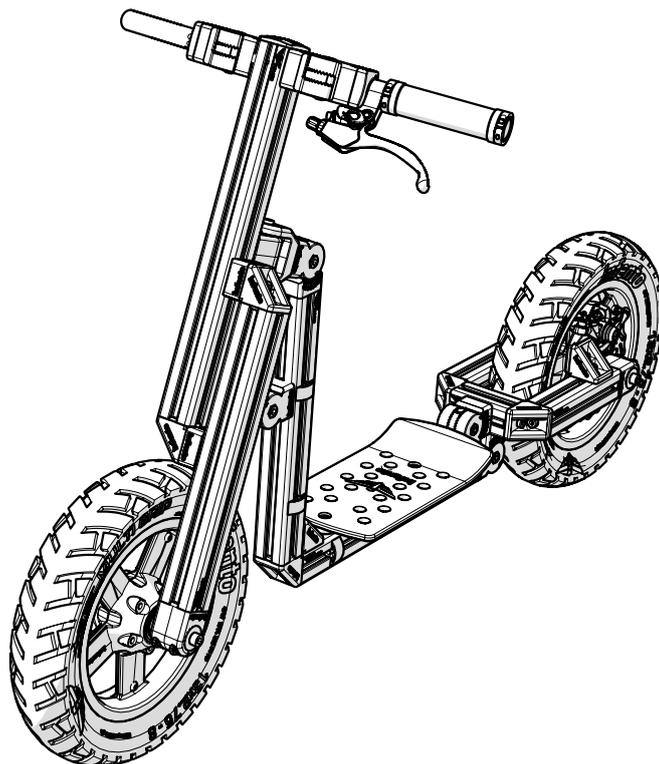
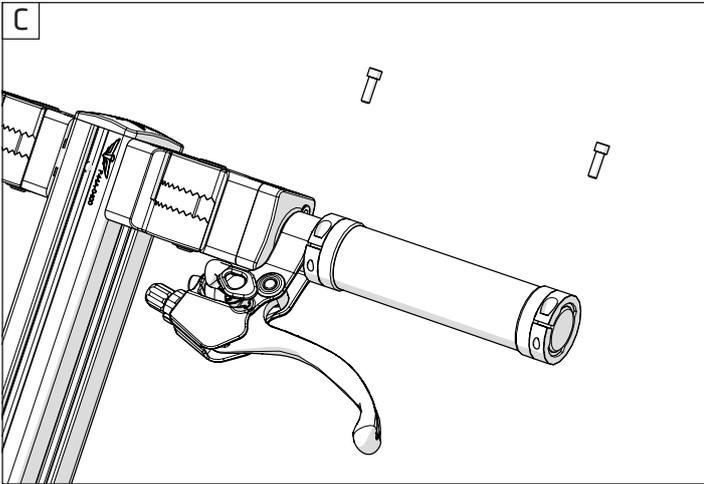
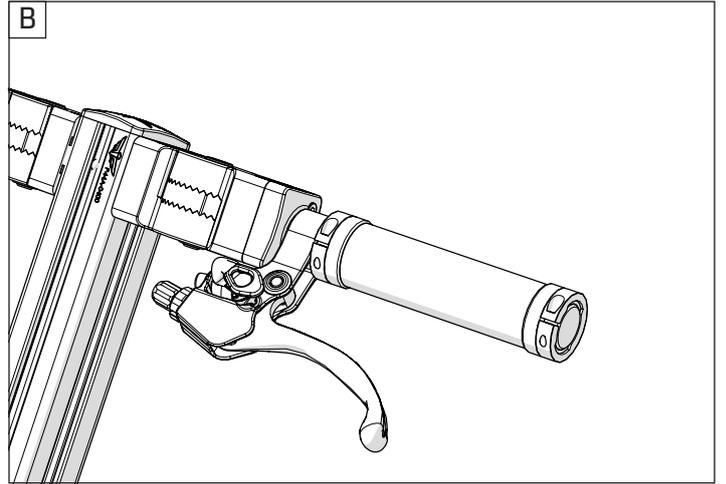
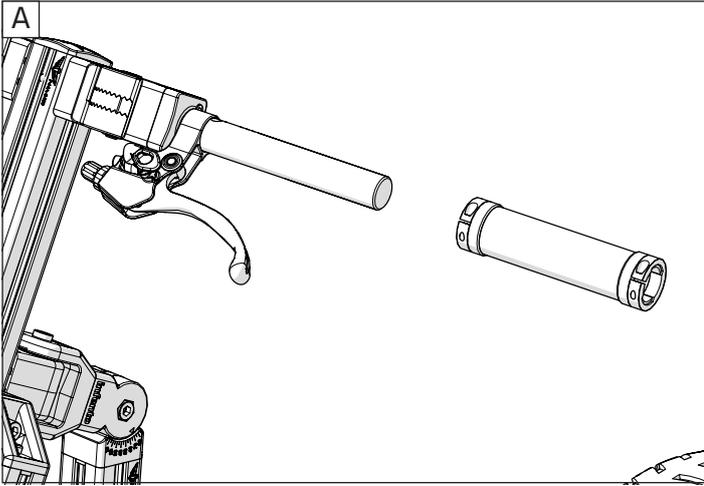


36

ride *SPRINTER*



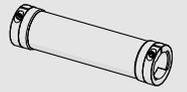
Handgrip 1x



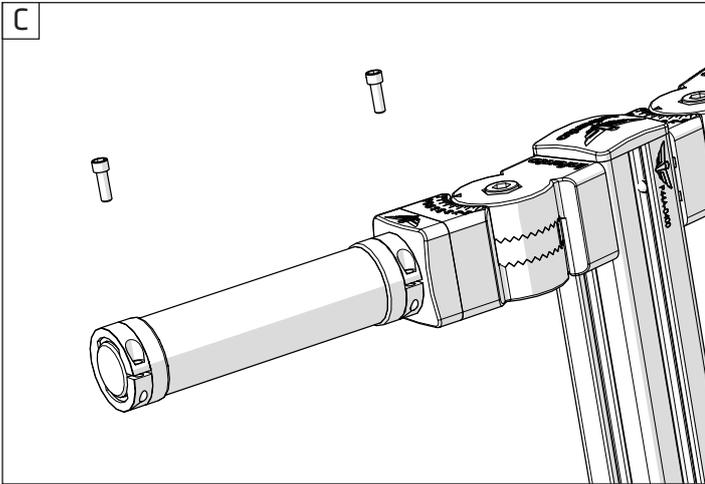
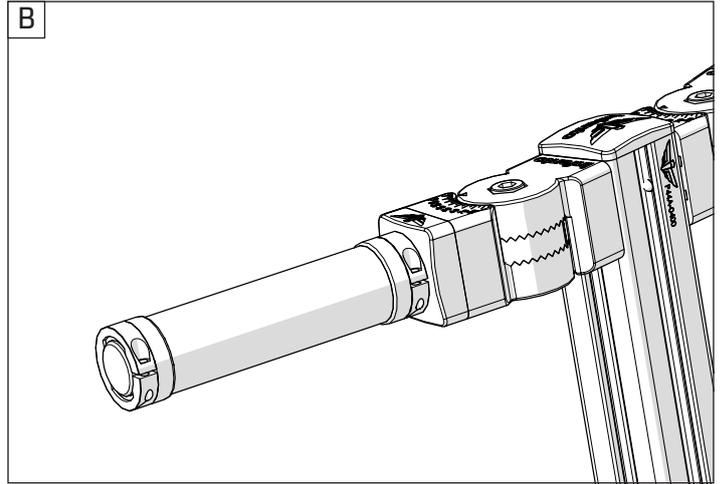
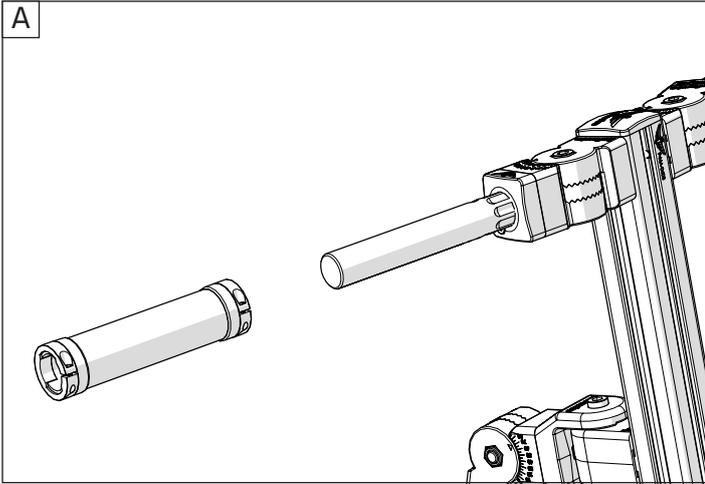


37

ride *SPRINTER*



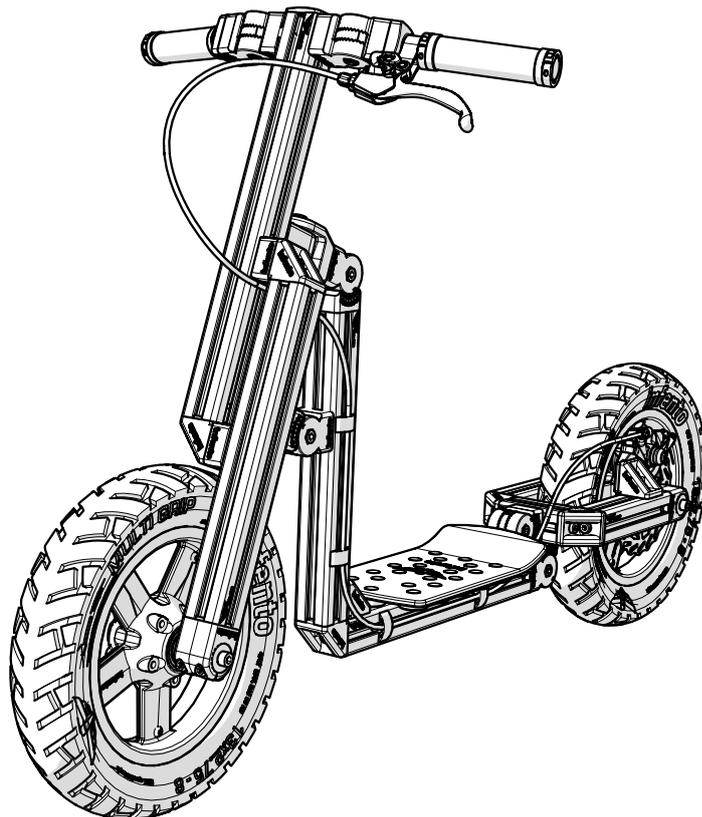
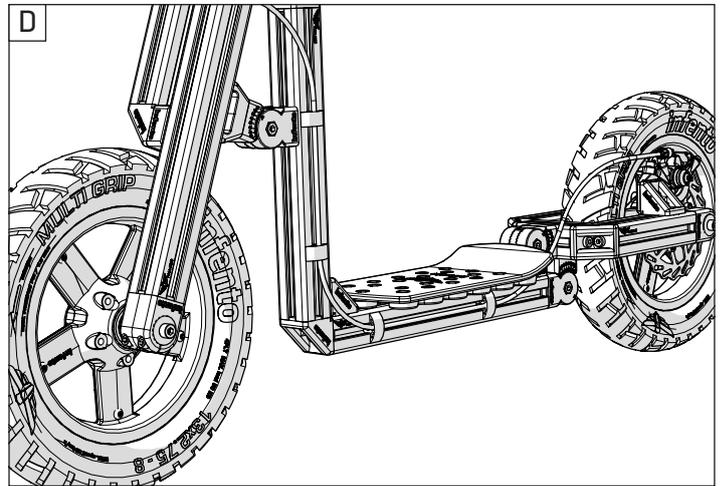
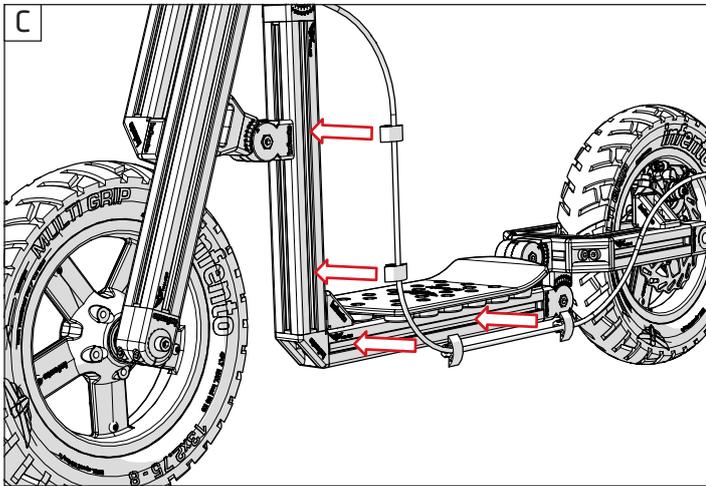
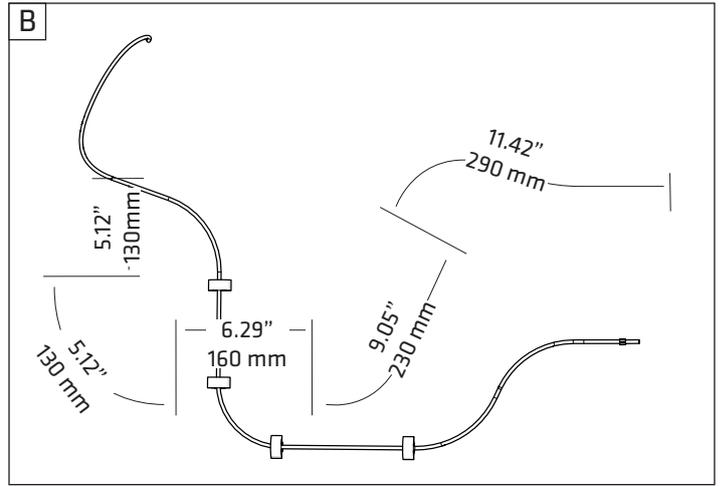
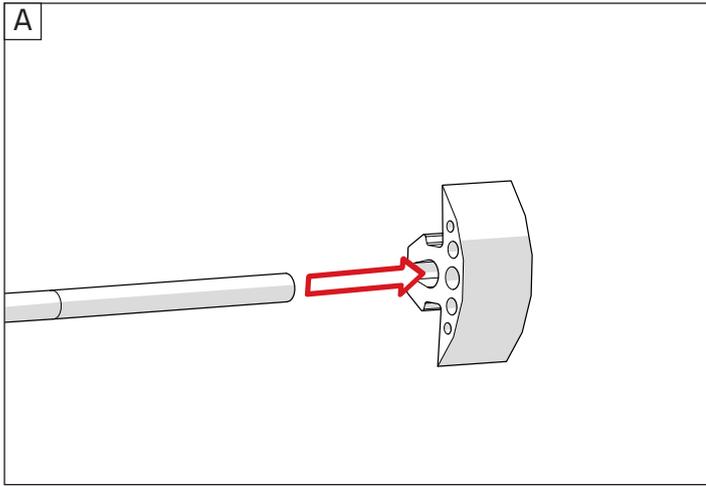
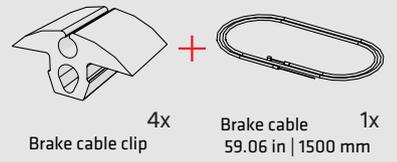
Handgrip 1x





38

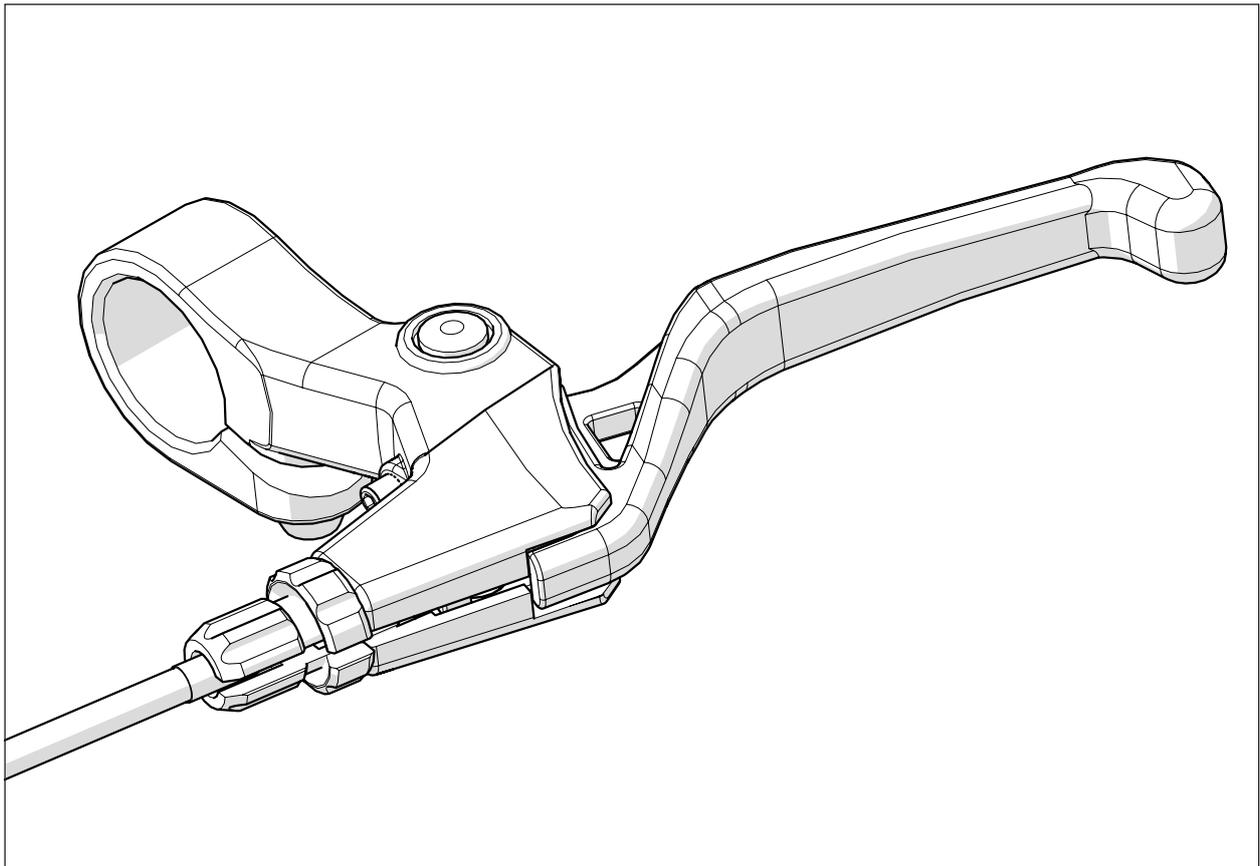
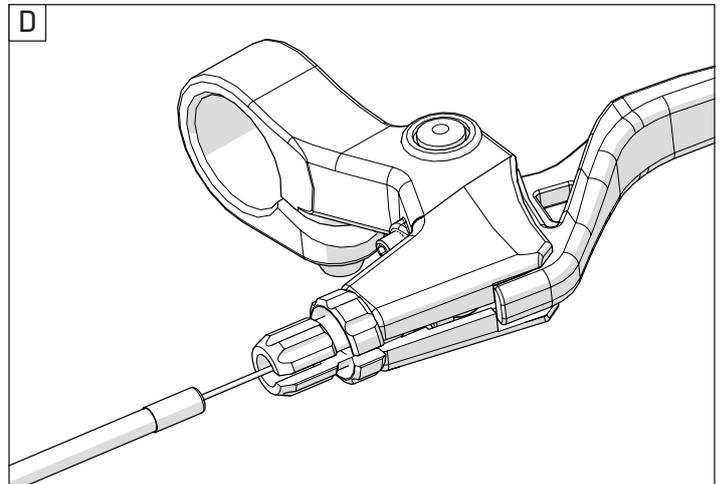
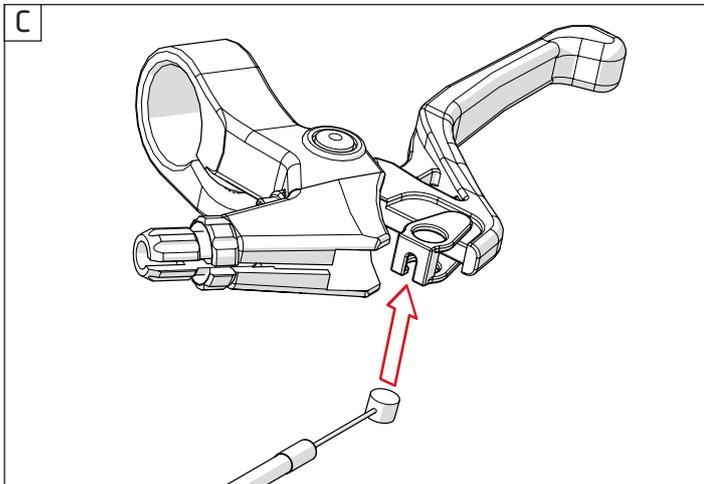
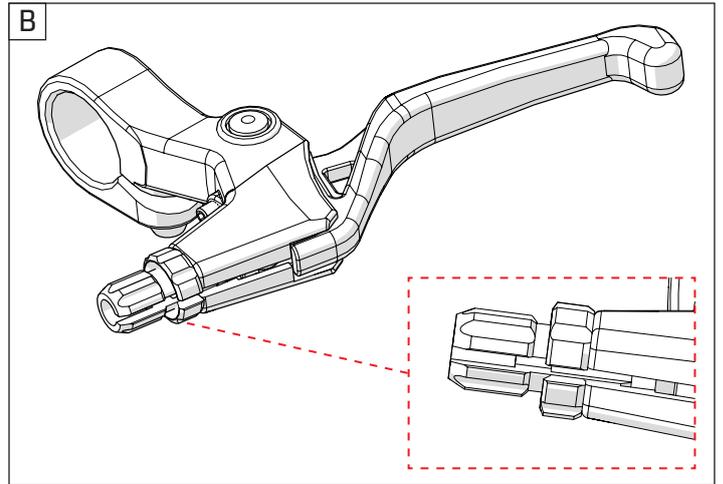
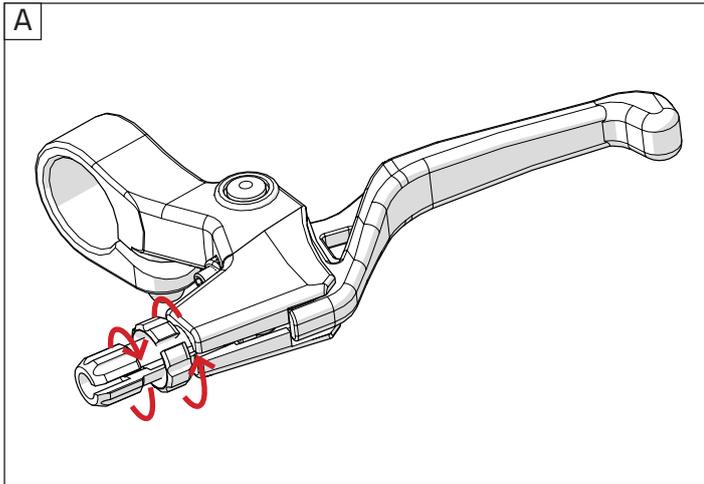
ride *SPRINTER*





# 39

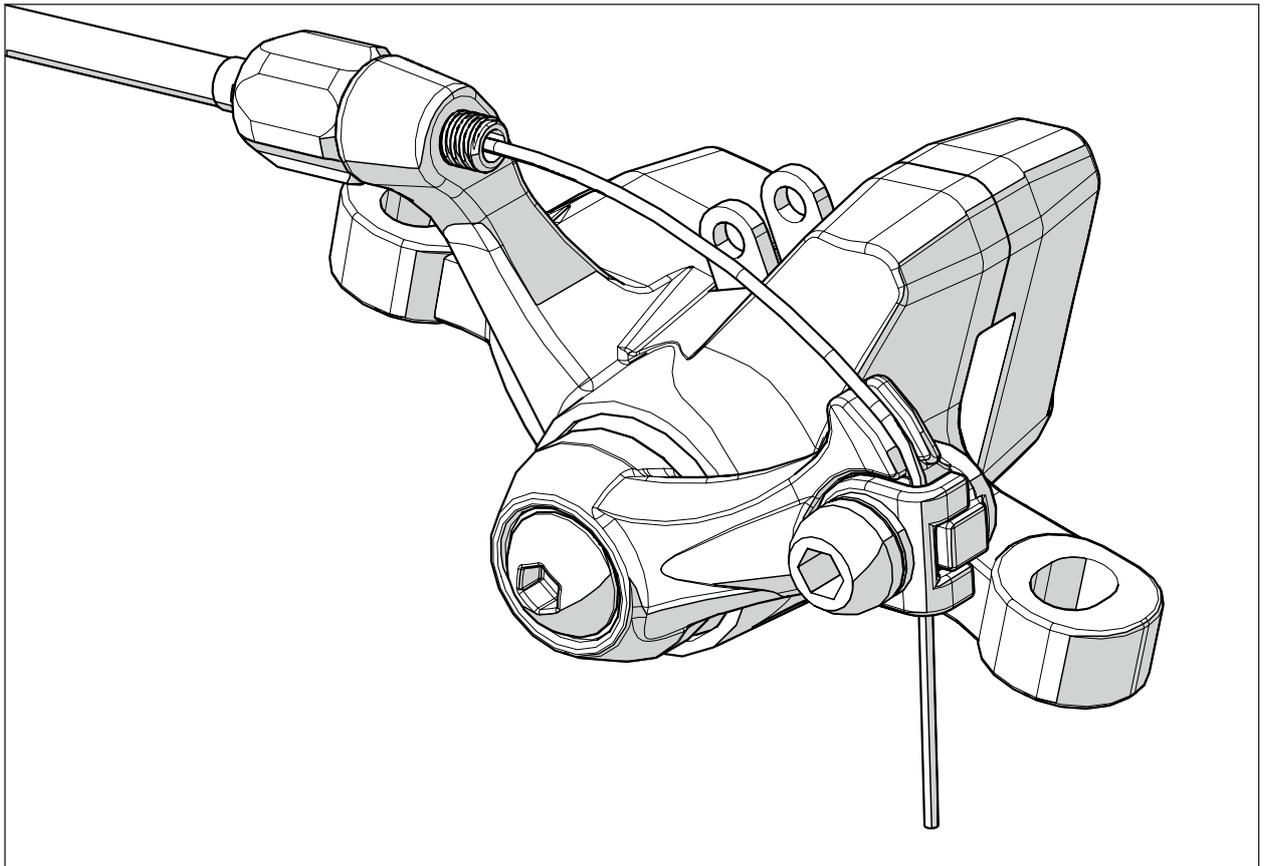
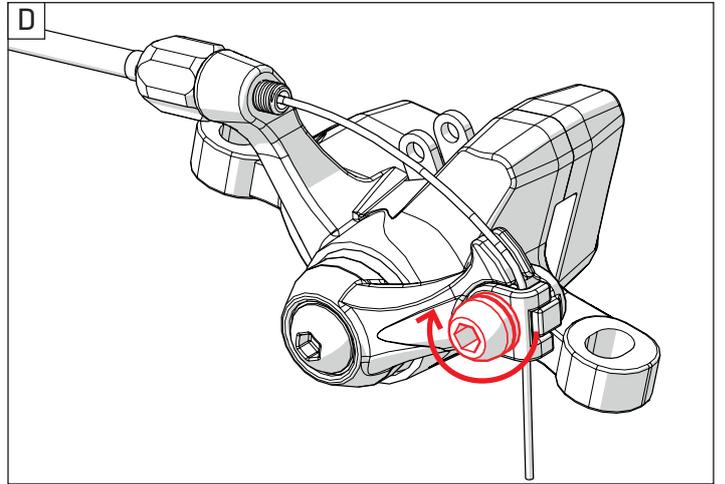
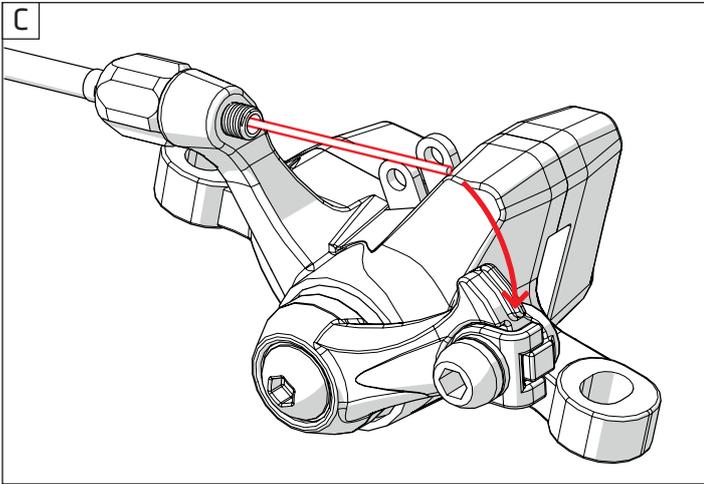
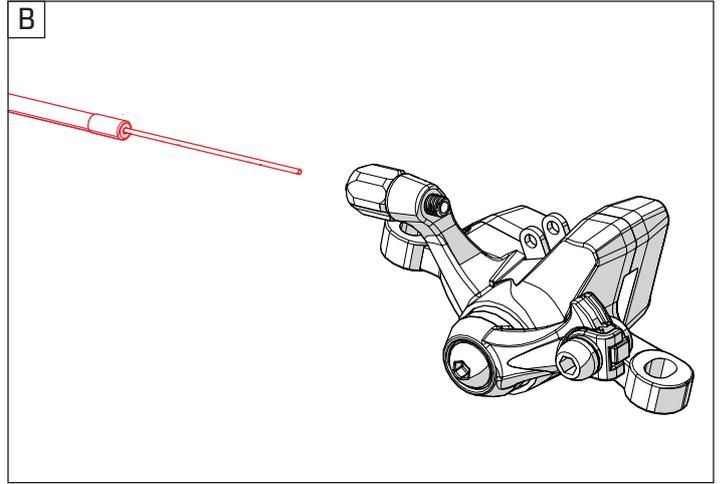
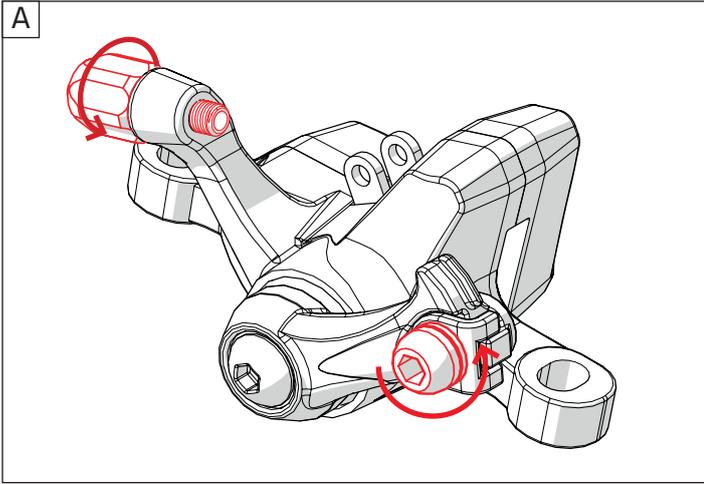
ride *SPRINTER*





40

ride *SPRINTER*



# SPRINTER<sup>G1</sup>



THANK YOU FOR READING ME!