BIKER
CONSTRUCTION MANUAL

4-6 YEARS

Length
105 - 120 cm / 41-47 inch

Max weight
30kg / 66 lbs

Time to build
3.5 hours
**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)

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**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.
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

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QUESTIONS OR SUPPORT NEEDED?
You can mail us all your questions at: 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 lose 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
First, get all required materials stated here and then follow the instructions.

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.

Note!

If you are just learning to walk, it is difficult to slide in.

If this becomes crooked, you can

Read this properly as the

spacers against the block bearing.

when in-

See education section.

Ensure that you the press

of at least

Conical spring

When no distance is

Note!

Remove one or

Still not aligned?

clamp connection.

before tightening it.

There are two types of

Ensure that the

Always use the hand

Use the Allen key handle so

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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.
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 and prevents parts twisting and coming loose when under pressure. Therefore, always use at least two positioning blocks per block.

Use the Allen key handle so you can tighten the bolt well.

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.
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 axle bolts remain more tightly in place. This is called tensile stress.
Toothed belt 100T  Toothed belt 136T  Toothed belt 154T
Bolt M8x18  3.94in | 100mm
Bolt M8x30
M8 Threaded rod

see education section.

There is a difference in 20.47inch | 520mm

Note!

Still not aligned? a bit, if the parallel clamp below.

Slide the tooth belt sprocket and 20.47inch | 520mm

Note!

Tighten the bolts with full force.

This side up!

A

B

C

M8x25 (low head)
**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.
Pull the tire over the rim and inflate the tire to max 1.5 bar.
version 2.2
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.
TIP!
It is best to tighten the bolt in such a way that you can still move the block and easily determine the right position with a tape measure. After that, you can then tighten the block further and you verify whether the size is correct.
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.
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.
For assembly see image 26 ride BIKER

A

B

M8x20 (low head)
Note!
Here you can see whether it is left or right.
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.
There are two types of resistance. Rotating with the desired resistance.

Leave a gap of at least 0.5mm when tightening the bolts.

Note!

Insert an Allen wrench into the bolt (each increment is 5°)

At this side: 4 position holes.

The parallel clamp connection in and tighten

7 inch wheel with full force because then you see education section.

Ensure that the star flange tightly assemble exactly at the edge.

Conical spring with full force because then you see education section.

3.94 in | 100 mm

6.54 in | 166 mm

20.47 in | 520 mm

11.02 in | 280 mm

22.05 in | 560 mm

59.06 in | 1500 mm

78.74 in | 2000 mm

21.65 in | 550 mm

23.62 in | 600 mm

Driven wheel

Driven rim

8 inch

40x80_hexa 19

Wheel lock ring

Handlebar long

Handlebar short

Handgrip

Bearing block

Insert an Allen wrench into the bolt

Press the clamp ring firmly

The parallel clamp connection

Tighten this nut later

1.57 in | 40 mm

0.5 mm when

Leave a gap of at least 0.5 mm when tightening the bolts.

The red washer goes at the front.

If larger than 1.10 metres, please use the Tooth belt

If larger than 1.10 metres, please use the Tooth belt

154T.

Not!

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40x80_hexa 19

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Handlebar short

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Bearing block

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Press the clamp ring firmly

The parallel clamp connection

Tighten this nut later

1.57 in | 40 mm

0.5 mm when

Leave a gap of at least 0.5 mm when tightening the bolts.
Tighten this bolt well, but not before tightening it.

This side has clamp connection. After placing the parallel the length of the handles.

Tighten this nut later.

Note!

Head falls within the profile.

Connection. Ensure that the bolt against the side of the profile bolt with the Allen key to correct this.

If this becomes crooked, you can push against the side of the profile bolt with the Allen key in your hand as this enables you to exert greater force.

If larger than 1.10 metres, holes. If they are uneven you will have leave them off when in.

For sledding down a hill. You this.

Press the clamp ring firmly with full force because then you may damage the part.

Note!

0.5mm when specified, you have to

When no distance is stated here and something is described.

Note!

There are two types of

construction manual
Note!
The valve points downwards.
For optimal performance, follow these steps:

1. **Check Alignment**: Ensure that all parts are perfectly aligned. Non-alignment can lead to discomfort and potential injury.

2. **Adjust Distance**: Use the correct number of spacers to achieve the desired distance. Too much or too little may affect the steering.

3. **Tighten Properly**: Use the Allen key to tighten the bolts with the correct amount of force. Remember to check whether the profile nut remains perfectly straight in its housing. A stiff guide has been specified for the shift lever. It enables you to exert greater force.

4. **Correct Misalignment**: If misalignment persists, adjust the distance and tighten the bolts with full force. This will ensure smooth operation.

5. **Check Resistance**: Check the resistance after tightening the bolts. It should feel consistent and even. If not, adjust the distance and tighten the bolts further.

6. **Final Adjustment**: After tightening the second bolt, check if the wheel is still inflated to max 1.5 bar. If not, inflate to the correct pressure.

7. **Inspect Nut**: Check the nut on it. If it does not fit, it may be too tight or loose. Adjust as necessary.

8. **Remove Spacers**: If no distance measurement is specified, you should leave the remaining spacers. These can be removed later.

9. **Final Check**: Double check all settings before use. This ensures a smooth and comfortable ride. If not satisfied, repeat the process until all parts are correctly aligned and tighten the nut with a little resistance.

10. **Correct with Key**: If you are just learning to walk, it is very difficult to slide in. To correct this, use the Allen key to slide the arm and steering plate. This will allow the arm to be driven freely.

Note! If you have any concerns about the alignment, tighten the bolts with full force. This will ensure that the system is secured and ready for use.

Remember to hold the arm at this position and slide the crank set forward. This will enable you to exert greater force. Always tighten these two bolts perfectly straight in its housing. This will ensure smooth operation and prevent potential injury.

Ensure that the bolt head falls within the profile. This will ensure that the system is secured and ready for use.

Do you remember? When tightening the parallel clamp connection, ensure that the bolt is tightened well, but not with full force because then you do not have to tighten it yet.

There is a small bolt with the Allen key to correct this. Please see the educational section! This will provide additional insights into the correct use of the system.
THANK YOU FOR READING ME!