SWING G6
CONSTRUCTION MANUAL

Length 130 - 160 cm / 51 - 63 inch
Max weight 70 kg / 154 lbs
Time to build 6 hours

YEARS 8-13
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

PLEASE PRINT OUT THE MANUAL AND KEEP THE MANUAL AND THIS SAFETY WARNING IN A SAFE LOCATION FOR FUTURE REFERENCE.
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. Toys are to be assembled by an adult using Infento manuals.
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

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? HELP NEEEDED?
You can email us at: support@infentorides.com and our team will assist 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.

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

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.

In frames like this you can find some background facts about technique.

2x
**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.
If your protect cap has a hole, use a M8x12 countersunk bolt to fasten it.

Note!
Tighten the parallel clamp connection. Ensure that the bolt head falls within the profile.
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.

Double check here: Does your result looks exactly like the image at the bottom of the page?
The plastic parts of Infento are made using injection moulding technology where molten plastic is pressed under high pressure into a mould. A mould consists of steel blocks in which a shape is recessed.

This side has 4 position holes.
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 per block.
Depending on your Kit, the knurled discs can be of a different type, looking like this:

There are two types of knurled discs. Please see education section.
If your Kit contains a white fastener bag with 12 Nock Washers, please follow the steps on this page. If not, please skip to the next page of the manual.

This is the U-block. Before being able to use this part, you need two Nock Washers M8-16. Press these washers into the slots.

These parts remain mounted permanently. Press firmly!
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.
9
ride SWING

A

B

C

4x T-Positioning block
2x Bolt M8x20 (low head)
2x Profile nut short
2x L-joint
1x Profile 11.02 inch | 280 mm

4.72” | 120 mm

4.72” | 120 mm
**NUT-IN-PART-TRICK**

1. Take a 5mm Allen key, slide the nut on it.
2. Stick the Allen key through the part.
3. Let the nut slide down.

---

This side has 3 position holes.
If your U-block or Kit doesn’t have the M8-16 Nock Washers, you can use the regular M8-16 washers as shown here.
2x
A

B

C

D

25°

4 mm

25°

4 mm

Locknut M8

2x

Bolt M8x35

2x

Knurled disc 1 stripe

2x
Note!
Tighten the parallel clamp connection. Ensure that the bolt head falls within the profile.

You can loosen these bolts a bit, if the parallel clamp connection are proving difficult to slide in.
This side has 3 position holes.
This side has 3 position holes.

This side has 3 position holes.
A

B

Positioning block 6x
Locknut M8 2x
Bolt M8x25 (low head) 2x
Multi angle joint 2x
22

ride SWING

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

A

B

C

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.

2.40” | 61 mm
23 ride SWING

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

Please make sure you use a nylock bolt when indicated, the nylon resists turning. These bolts can be recognized by their red or blue dot.
25

ride SWING

A

B

C

D

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

Bolt M8x20
1x

Locknut M8
1x

Profile nut short
1x

Brake caliper holder
1x

L-joint
1x

1.26” | 32 mm

V 1.0
V 1.0

ride SWING

- Steering plate
- Brake caliper
- Bolt M6x16 (2x)
- Conical spring washer M6-10 (2x)
- 1x Brake caliper

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

A

B

C

Spacers 1x
Brake disc 1x
Spacer 0.2 inch | 5 mm

1x

(5 mm)

1x

+
Pull the tire over the rim and inflate the tire to max 1.5 bar.

Note!
The valve points downwards.
2x T-Positioning block
1x Bolt M8x20
1x Profile nut short
1x Multi angle joint

2.41” | 61.3 mm
Use the Allen key handle so you can tighten the bolt well.
Leave a gap of at least 0.5mm when tightening the bolts.
hold the arm at this position

hold in this position

hold in this position

tighten

loosen half turn
The next page introduces two **600 mm profiles**. You can construct these profiles from smaller profiles (240 mm and 320 mm) using the profile connectors A and B, as shown below.

NOTE
The profile connector (part A) has the infinito word-emblem on it and doubles as a T-joint.
NOTE
Place the profile connector in the same orientation as shown here, then follow step A.

Note!
Tighten the parallel clamp connection. Ensure that the bolt head falls within the profile.
41
ride SWING

A

B

Protect cap 4x
Depending on your Kit, the T-joint might look like this. The new T-joint doubles as a profile connector (part A).
Profile nut long
Bolt M6x30

1x
Zx

A
B
C
D

Profiling rail assembly diagram with bolt and profile nut components.
Use the Allen key handle so you can tighten the bolt well.
NUT-IN-PART-TRICK

1. Take a 5mm Allen key, slide the nut on it.
2. Stick the Allen key through the part.
3. Let the nut slide down.

+ Positioning block 4x
+ Locknut M8 2x
+ Bolt M8x25 (low head) 2x
+ Bearing block 40x40_Hexa 19 2x
Use the Allen key handle so you can tighten the bolt well.
Use the Allen key handle so you can tighten the bolt well.
Bolt M8x60
Clamping part
holes with M6 thread

Zx

Bolt M6x20

1x

40x40_Hexa 19
Use this toothed belt for children older than 12 years.

Toothed belt 136T
A

B

C

D

80° 80°
56

ride SWING

A

B

C

2x T-Positioning block
1x Bolt M8x40
1x Profile nut short

2x knurled increments (each increment is 5°)

1 mm
2x knurled increments (each increment is 5°)
ride SWING

2x Locknut M8

2x Bolt M8x35

2x Knurled disc 1 stripe

2x Knurled disc 2 stripes

Bolt M8x35

Locknut M8

Protect cap

Knurled disc 1 stripe

Knurled disc 2 stripes
1x
Crank large right

1x
Pedal right
Ensure that you press the star flange tightly before tightening it.
Pull the tire over the rim and inflate the tire to max 1.5 bar.

Note!
The valve points downwards.
Note!
The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
driven wheel

free running wheel
Positioning block: 2x
Bolt M8x25: 1x
Axle plate: 1x
Multi angle joint: 1x
Handlebar short: 1x
Handgrip: 1x
Axle plate: 1x
Multi angle joint: 1x
Positioning block: 2x
Bolt M8x25: 1x
Locknut M8 1x
Bolt M8x35 1x
Knurled disc 2 stripes 1x

40°
nylon ring

Belt shield

2x
If you have this type of seat in your Kit, please skip to the next page. If not, follow the instructions below to construct your seatboard.

Put the M6 square nuts in place before inserting the M6x50 bolts.
Brake cable
27.56 in | 700 mm
THANK YOU FOR READING ME!