



Assembly Instructions

INFM7X20DSK, INFM7X22DSK,
INFM7X25DSK, INFM7X28DSK,
INFM7X30DSK, INFM7X32DSK

Infinity Mounting set
Universal DSK



1. Safety

Symbols



Warning!

Risk of serious injury or death.

An operation that, if not correctly performed, may lead to injury to the operator or others.



CAUTION!

Risk of material damage.

An operation that, if not correctly performed, may lead to material damage.



INFO

Particularly important or explanatory information

General instructions

These instructions shall always be followed when placing the mounting set INFM7 DSK Universal on a wheelchair.

To be able to connect Liberty to the wheelchair Liberty also needs to be adjusted according to the assembly instructions that is included in the delivery of Liberty.

Warnings

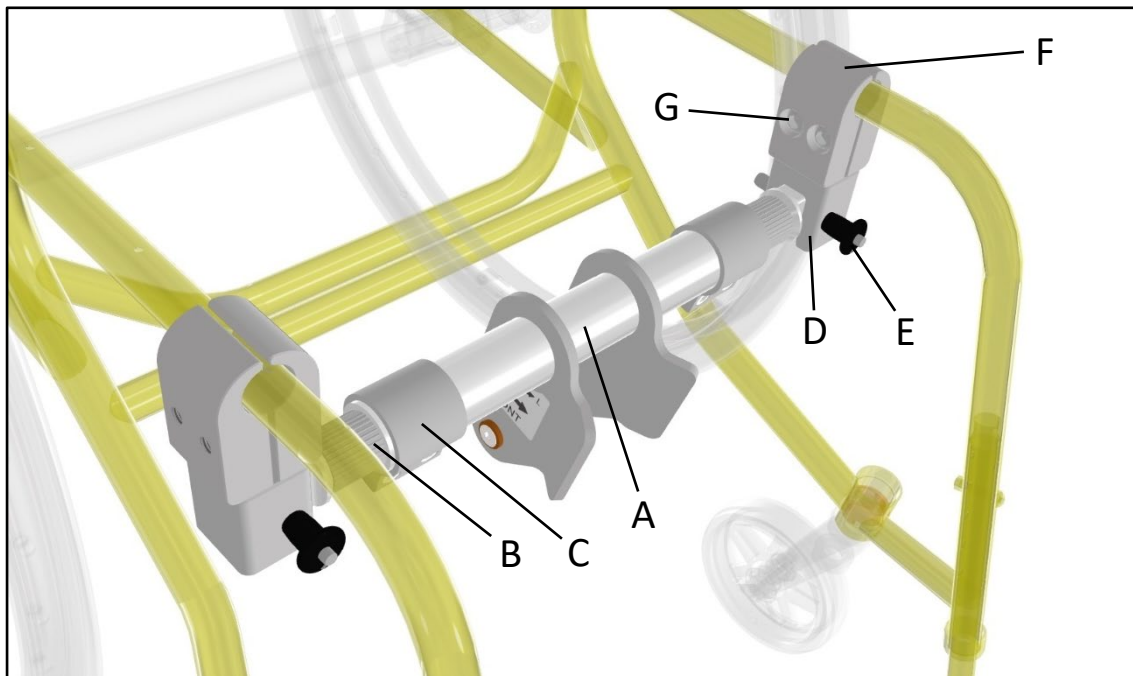


WARNING!

Assembly work or changes made to the mounting set must be carried out by trained service technician, reseller or other person assigned by Decon.



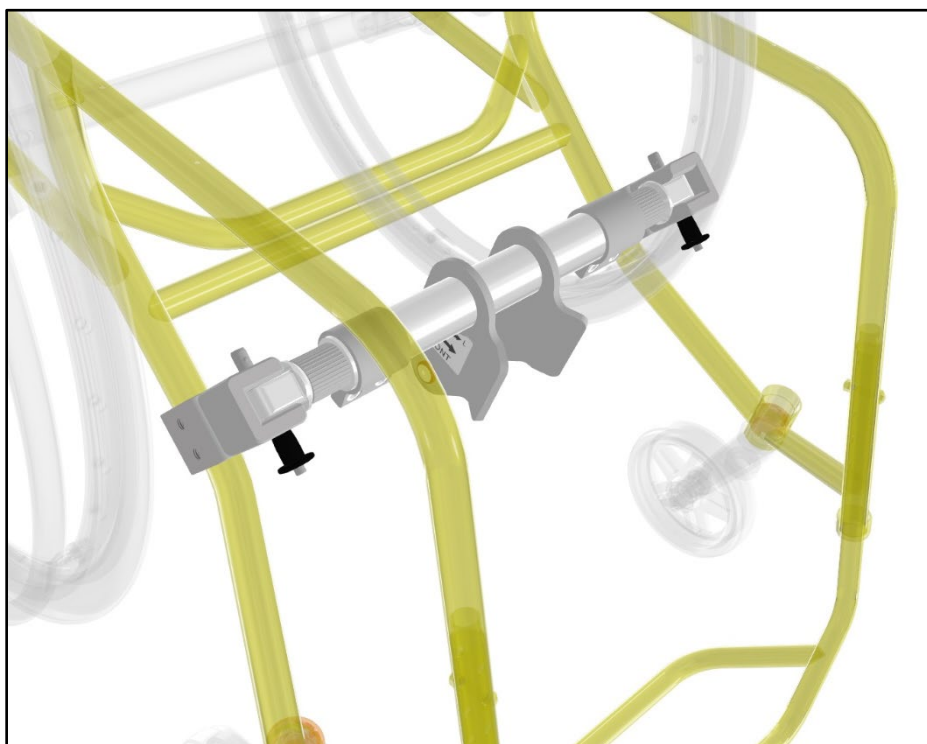
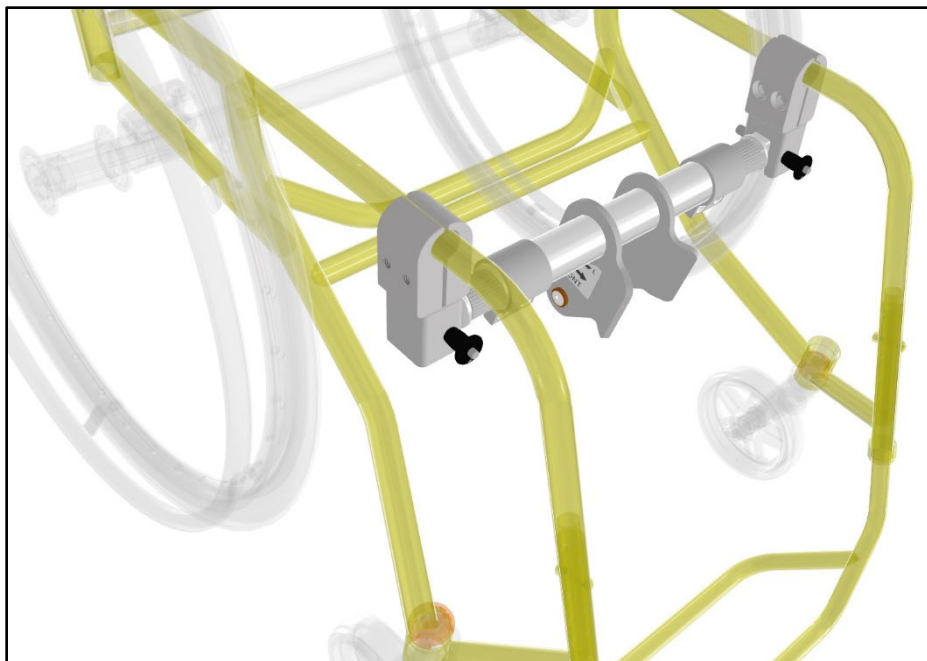
2. Overview



- A Center pipe adapter bar
- B Outer pipe adapter bar
- C Clamp adapter bar
- D Holder adapter bar
- E QR-Pin
- F Chassis clamp
- G Clamp screw

INFO

The shape and position of the chassis clamp (F) can vary depending on the tube size of the chassis and might not match the clamps in the picture above.



INFO

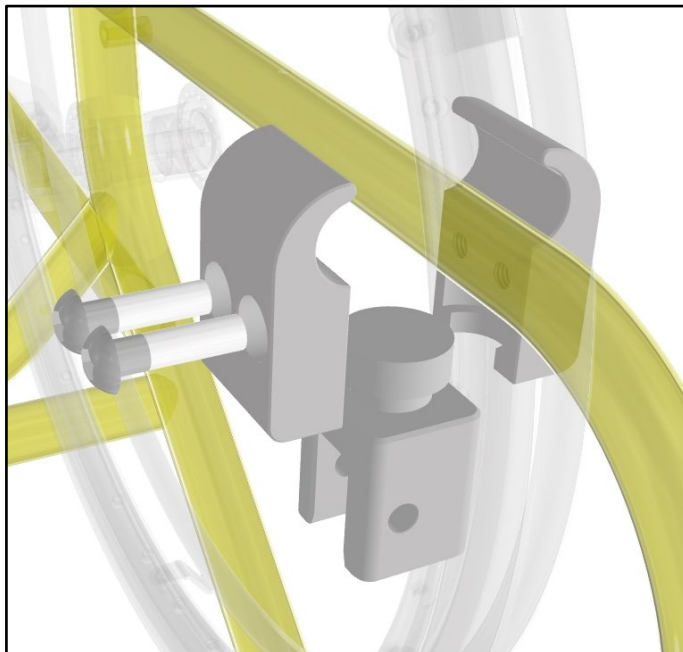
The position of the assembly can vary depending on the specific wheelchair. The assembly can be made both in the upper and lower part of the wheelchair as examples above shows. The following instructions apply to both assembly variants.

3. Assembly adaptor kit

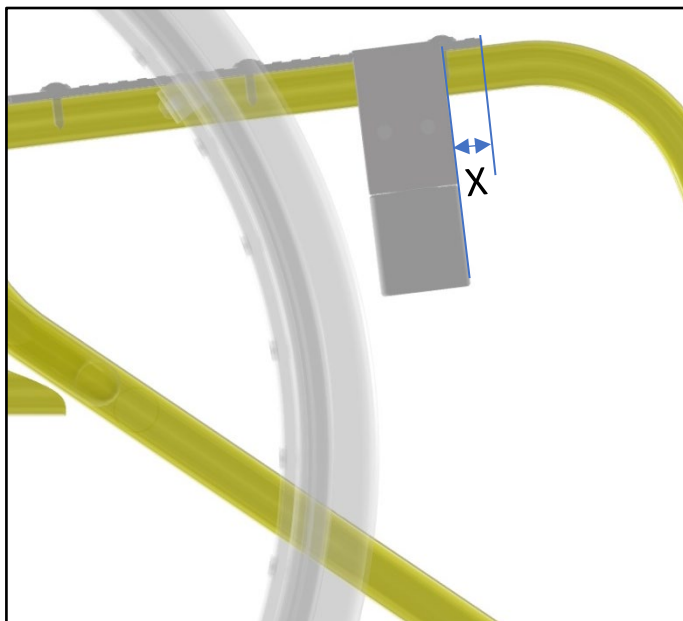
Assemble the holder adaptor bar (D) inside the chassis clamps (F) using the clamp screws (G) onto the chassis of the wheelchair.

Tighten the clamp screws (G) just enough to grip the wheelchair chassis so that the chassis clamps (F) can still be adjusted along the chassis.

Assemble both sides.



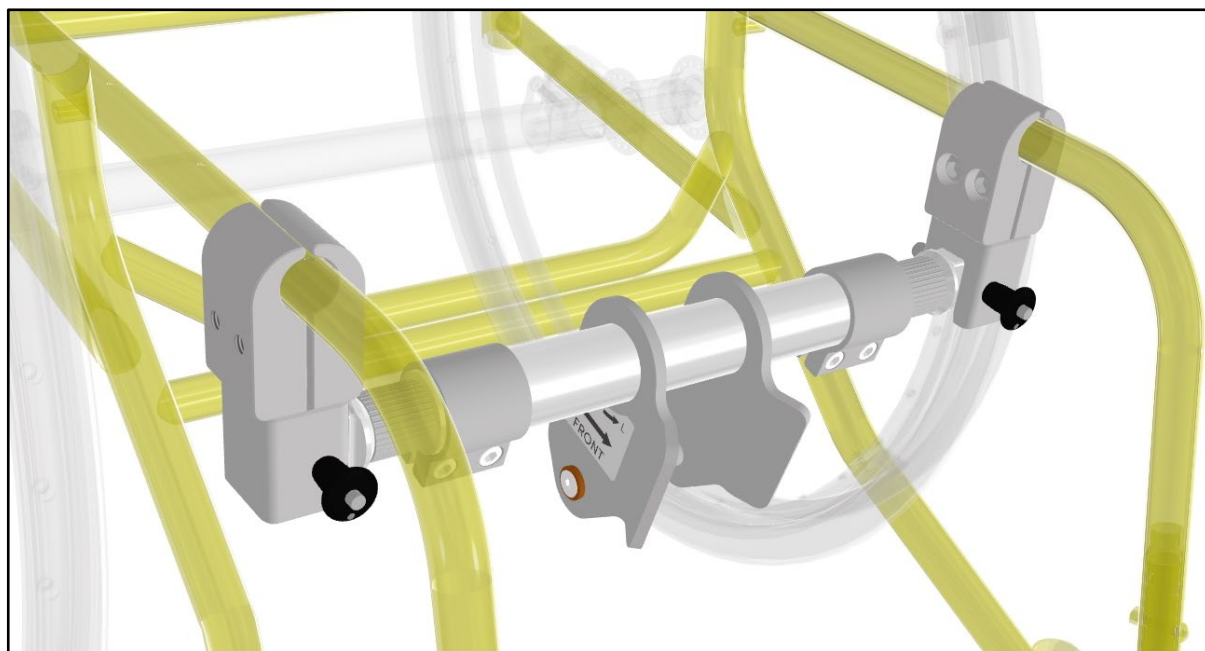
If the chassis clamps (F) are assembled in the upper part of the wheelchair underneath the seating then distance **X** from the edge of the seating cushion to the holder (D) should be, if possible, **20mm**



INFO

In some cases, it can be preferable to remove the original brakes of the wheelchair to make room for assembly of the adaptor bar. On some chairs it might also be needed to loosen the seat cloth a little bit to make room for the chassis clamps (F).





Now mount the complete adapter bar that consists of center pipe (A), outer pipe (B) and clamp (C). The complete adapter bar is mounted into the holders (D) by using the QR-pins (E). Make sure the ends of the outer pipe (B) are parallel otherwise it can be hard to assemble it into the holders (D). It shall be possible to move the center pipe sideways and also rotate it if correctly assembled.

Adjust both of the chassis clamps (F) so that the outer surface is placed vertically related to the surface of the ground.

Tighten the screws (G) in both of the clamps (F).

INFO

Check that the arrow on the labeling mounted on the center pipe (A) is pointing towards the front of the wheelchair. If the center pipe (A) is mounted the wrong way around it will not be possible to attach Liberty to the bar.

WARNING!

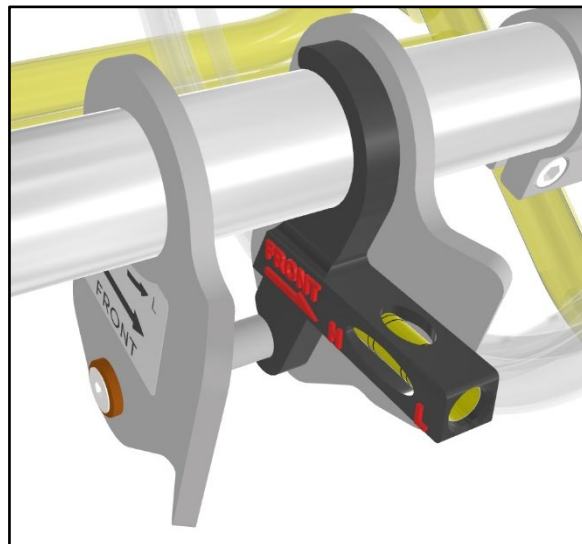
The screws (G) holding the clamps (F) must be tightened to 20-24Nm of torque. Loctite 243 or eq. shall be applied to the screw before it is assembled.

4. Adjustment of the adaptor bar

Use the leveling tool that is included in the delivery of Infinity. Since the adapter bar have splines inside it will not be possible to get the bubble of the spirit level exactly right. Just choose the most correct position.

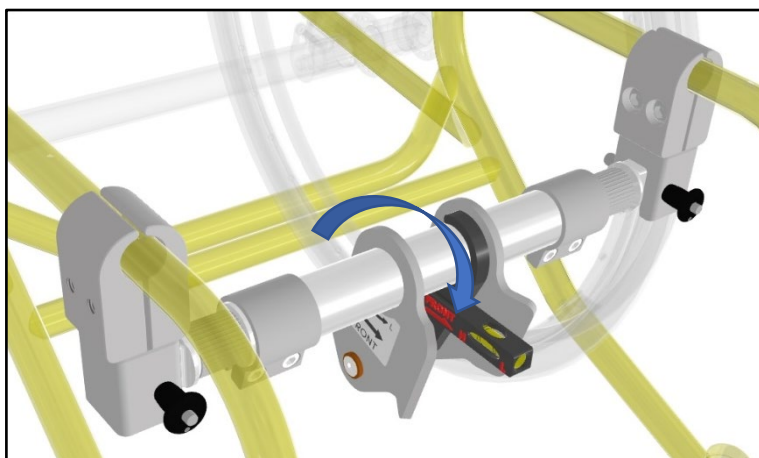
The leveling tool has two marks "H" and "L". When the bubble of the spirit level is towards the "H" the castors of the wheelchair will lift higher from the ground compared to if the bubble of the spirit level is towards the "L".

Adjustment of the angle can be done in two different ways. Both is described below.



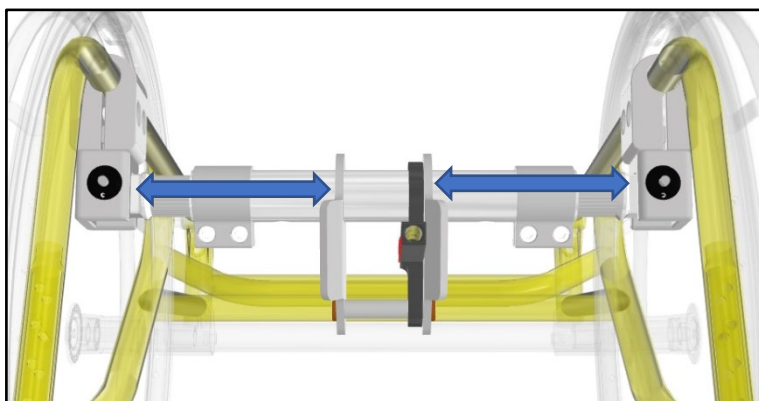
Alt1.

Using the adjustment tool that is included in the delivery of Infinity (not this mounting set), set the angle of the adaptorbar so that the level tool is in level. Inside the pipes there are splines so when rotating you will feel and hear a clicking. When desired angle have been accomplished, check that the center pipe is centered in the wheelchair. Now tighten the screws in the clamps (C).



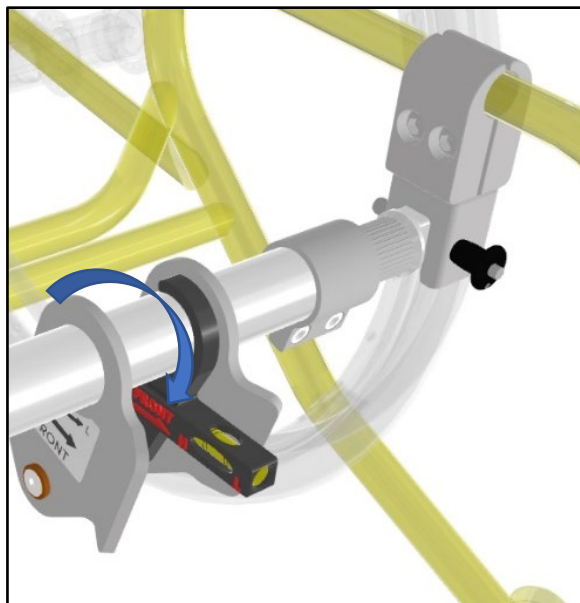
WARNING!

The screws holding the clamps (C) shall be tightened to 7-9Nm of torque.



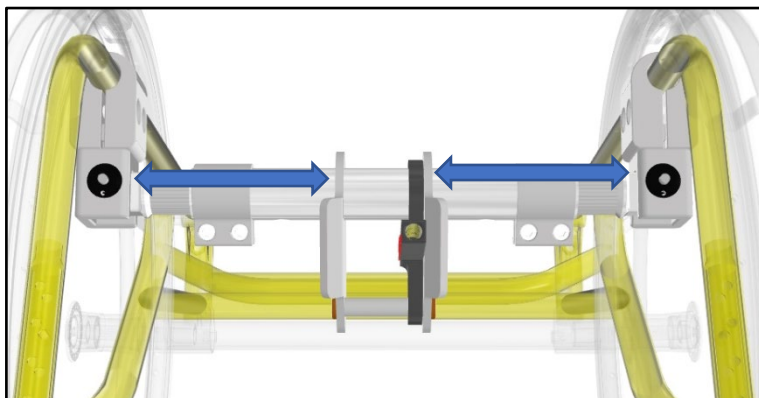
Alt.2

Using the adjustment tool that is included in the delivery of Infinity (not this mounting set), set the angle of the adaptorbar. Only mount the inner pipe on one side and then rotate the center pipe to the correct angle. Now mount the other inner pipe in the same position/angle as the first one. Check that the center pipe is centered in the wheelchair. Now tighten the screws in the clamps (C).



WARNING!

The screws holding the clamps (C) shall be tightened to 7-9Nm of torque.



INFO

Don't forget to reassemble the brakes of the wheelchair in case these were removed when mounting the adaptor. Also, if the seat cloth was loosened during mounting of the adaptor don't forget to reassemble this.

Now read the assembly instructions that was included in the delivery of the Infinity unit. Assemble and adjust the Infinity according to the instruction.

Decon Wheel AB
Södra Ekeryd 119, SE-314 93 Hyltebruk, Sweden
Tel: +46 (0)345 40880
Fax: +46 (0)345 40895
E-mail: info@decon.se

