



# How to fit a child in the Levity?

## SUMMARY



### Ensure the user requirements are met

Weight:	Height:
25lbs – 100lbs	30 – 56 in
11 kg – 45 kg	76 – 142 cm



### Choose the weight module

Based on the weight and the functional abilities of the child



### Change the weight module



### Ensure the use of the correct belt/support size



### Check the need for more support

Trunk support, head support or ankle/foot control



### Lower the harness pads to pelvic level

Adjust also the width of the pads, if needed



Ensure to lock the carriage and the wheel brakes



### Install the child in the Levity

Install the harness for pelvic support, the hip belt and the back plate belt or chest support.

## Enjoy the use of the Levity!





# How to fit a child in the Levity?

## 1 Ensure the user requirements are met

Designed for children with walking disabilities who lack strength, good balance, or endurance.

Weight:	Height:
25lbs – 100lbs	30 – 56 in
11 kg – 45 kg	76 – 142 cm

You can refer to the guide “Who’s the Levity for?” for more details on potential users of the Levity.

## 2 Choose the weight module

**Based on the weight and the functional abilities** of the child, select the right weight module for bodyweight support. Typically:

- Use a **lower level of support** (around 50% of body weight) if the child has good trunk control, balance and can initiate steps.
- Use a **higher level of support** (around 75% of body weight), if the child has poor trunk control and is unable to initiate steps.



Please refer to the **Table on the next page** for more help in choosing the weight module



You can try more than one weight module to ensure an adequate posture and gait when using the Levity.



# How to fit a child in the Levity?



## Help for choosing the weight module

Please refer to a physical therapist to decide the weight to use with a child.

### Weights to Use Depending on the Childrens' Weight

Child's Weight (lbs)	Child's Weight (kg)	Weight to Use for <b>50%</b> Weight Bearing (Kg)	Weight to Use for <b>75%</b> Weight Bearing (Kg)
25	11.3	NA	8
30	13.6	8	10
35	15.9	8	12
40	18.1	10	15
45	20.4	10	15
50	22.7	12	18
55	24.9	12	18
60	27.2	15	22
65	29.5	15	22
70	31.8	15	22
75	34	18	22
80	36.3	18	22
85	38.6	18	22
90	40.8	22	NA
95	43.1	22	NA
100	45.4	22	NA

The weights % are estimated for simplicity.

**Lower level of support:** around 50% or body weight

**Higher level of support:** around 75% of bodyweight



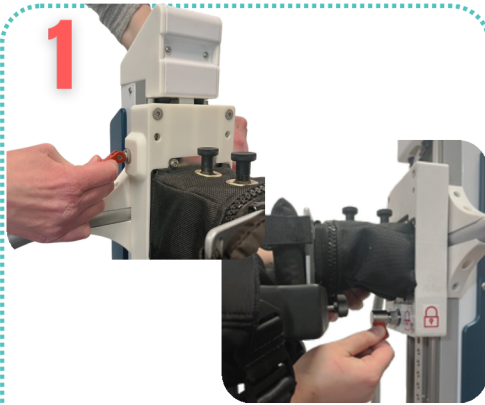
Tips: You can also increase or decrease the support used depending on the exercise, the task or the fatigue onset.





# How to fit a child in the Levity?

## 3 Change the weight module



- Lift the support system to the top.
- Lock the brake in the highest position, by rotating the lever.

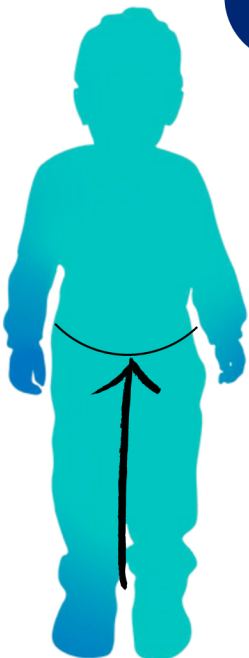


- Lift the rear cover
- Detach the buckle.



- Slide the housing out.
- Slide the new housing in. A "click" should be heard.
- Securely attach the buckle and close the rear cover.

## 4 Ensure the use of the correct belt/support sizes



<b>Waist Size</b>	(15 - 25) in (38-64) cm	Small Hip Belt Small Chest Support
	(22 - 33) in (55-84) cm	Medium Hip Belt Medium Chest Support
<b>Pelvis Height</b>	(12.5-15.5) in (32-40) cm	Small Pelvic Support
	(14.5-22) in (37-56) cm	Medium Pelvic Support







# How to fit a child in the Levity?

## 5 Check the need for more support

### Trunk support

- Add the back plate
- Use the back plate belt if the child has a good trunk control
- Use the chest support if the child needs support and stabilization at shoulder girdle level

### Head support

- Add the headrest
- Adjust the depth, height and angle of the headrest

### Ankle/foot control

- Add the ankle prompts to the base of the frame
- Adjust the length of the straps

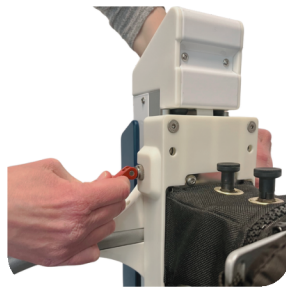


For more information on Levity's accessories:  
<https://www.oramedical.ca/levity/resources>.

## 6 Lower the harness pads to pelvic level



Lower the pads linked to the harness to pelvic level, and lock the carriage brake



Adjust the width of the pads, if needed.





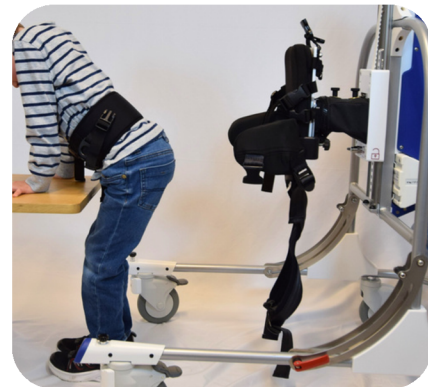
# How to fit a child in the Levity?

## 7 Install the child in the Levity

- Ensure the Levity is close to the child, with wheel brakes and carriage brake locked
- Ask the child to stand and pivot.



Tips: **If standing and pivoting are not possible**, ask the child to stand while holding onto a table, a stable bench or a third person, and position the Levity behind the child.



1 Install the harness for pelvic support.  
Adjust front and rear straps to ensure comfort and support.

2 Install the hip belt.  
Adjust the straps to ensure comfort and support

3 Install the back plate belt or the chest support  
Adjust the straps to ensure comfort and support





# How to fit a child in the Levity?

Tips: **If maintaining a standing position is too difficult** for the child:

- Install the **hip belt** while the child is seated.
- If using a **chest support**, clip the lower part of the chest support on the hip belt

*Hip belt*



*Chest support*



- Ask the child to stand and pivot (or hold onto a table), install the **harness (pelvic support)**, and clip the **hip belt** and the **chest support** on the Levity
- If using the **back plate belt**, install the back plate belt after the pelvic and hip support.

*Hip belt*



*Back plate belt OR Chest support*



For complementary information, refer to the guide on **posture in the Levity** at the end of this document

**8 Enjoy the use of the Levity!**

Release the brakes and enjoy!





# How to fit a child in the Levity?



## Complementary information

### Supplementary guidance for posture in the Levity

Here are few tips regarding possible adjustments to explore for improving the posture of the child in the Levity.

*Please note these are not a medical advice, always refer to a physical therapist to validate the posture of a child in the Levity.*

#### **Problem** – Upper trunk support

The child's upper trunk is leaning too far forward

#### **Possible solutions to explore:**

- Ensure to use the upper backplate
- Ensure the back plate belt is tightened so that the child's back is in contact with the backplate.
- Change the back plate belt for a chest support, to add support at shoulder girdle
- Ensure the chest support is tightened at shoulder level and around the chest



#### **Problem** – Pelvic support

The child's pelvis is too tilted (posterior)



#### **Possible solutions to explore:**

- Ensure the harness (pelvic support) is tight at the front. Note that it is easier to tight the harness straps when the carriage brake is engaged.
- Ensure the front and rear harness straps (pelvic support) are equally tightened to avoid any angles in the harness.
- Try to use the lower back plate to have solid support
- Ensure the chest is well supported (see above)



# How to fit a child in the Levity?

## Complementary information



### Supplementary guidance for posture in the Levity

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#### **Problem** – Leg flexion

The child's legs are too flexed or the child sits in the harness

#### **Possible solutions to explore:**

- Try to increase the support (weight module)
- Ensure the harness straps (pelvic support) are well tightened
- Try to lock the carriage brake while the child is in a proper standing position to help them get used to this posture. Try to walk with carriage brake locked, and release it when the child is ready.



#### **Problem** – Legs behind while walking

When walking, the child's legs stay behind and the trunk lean forward

#### **Possible solutions to explore:**

- Ensure the chest is properly supported (see above)
- Ensure the pelvis is properly supported (see above)
- Try to decrease the support (weight module)
- Try to add resistance to the back wheels



# How to fit a child in the Levity?



## Complementary information

### Supplementary guidance for posture in the Levity

Here are few tips regarding possible adjustments to explore for improving the posture of the child in the Levity.

*Please note these are not a medical advice, always refer to a physical therapist to validate the posture of a child in the Levity.*

#### Problem - "Floating"

The child seems to "float" with his feet (the feet do not seem to bear weight)

#### Possible solution to explore:

- Try to decrease the support (weight module)



#### Problem - Adduction and crossing legs

When walking, the child's feet are crossing

#### Possible solutions to explore:

- Add the ankle prompts

#### Problem - Head

When walking, the child's head is leaning backward

#### Possible solutions to explore:

- Ensure the chest is properly supported (see above)
- Add a headrest





# How to fit a child in the Levity?



## Thank you for using the Levity!

Please refer to Oramedical website for Instructions for Use (IFU)  
<https://www.oramedical.ca/levity/eifu>

For more information :  
<https://www.oramedical.ca/levity/resources>

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