



# Galaxy<sup>®</sup> 170 Stacking Stand

**Installation guide**

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## 1 Operating instructions

### 1.1 Ordering options

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**WARNING! Risk of personal injury and equipment damage**

The incubator or incubators may topple if they are not fixed with a safety latch.

- ▶ Each incubator or stack of two incubators on a stacking stand must be fixed to the wall with a safety latch.
- 

The following table lists the options available for the stacking stand when ordering. Contact Eppendorf sales for ordering information.

Description	
Upper Stacking Frame only	6710 070.200
Lower Stacking Frame only (with castors)	6710 070.219
Fastening Kit (Safety Latch)	6710 070.235

## Safety

### 4 Galaxy® 170 Stacking Stand English (EN)

## 2 Safety

### 2.1 Intended use

The upper and lower stacking stand is designed for two Galaxy 170 incubators to be stacked on top of each other. The stacking stand is not meant for transportation.

The lower and upper stacking frame must be purchased separately.

Before using the stacking stand, read and observe the following general safety instructions.



#### **CAUTION! Risk of personal injury**

- ▶ At least four people are required to safely lift the 170 incubator.



#### **WARNING! Uneven surfaces and obstructions may cause the stacked assembly to topple, potentially injuring personnel**

- ▶ Great care should be taken when moving the stacked incubators.



#### **CAUTION! Personal injury and equipment damage**

- ▶ When lifting, be sure to use the lifting handles provided with the incubator.
  - ▶ NEVER lift the incubator by the door as this may cause damage.
-

### 3 Lower stacking frame

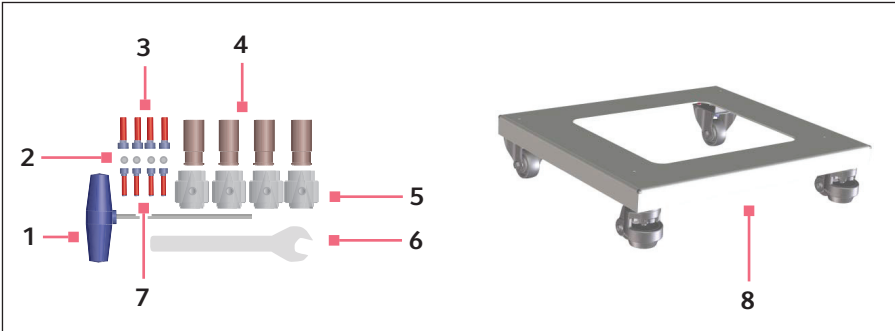
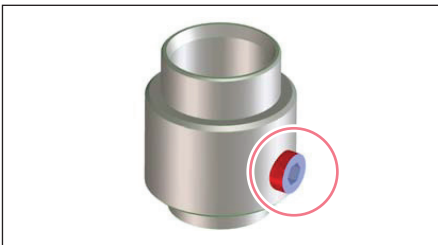


Fig. 3-1: Lower stacking frame kit

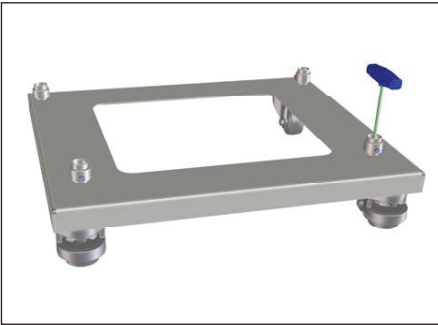
- |                      |                        |
|----------------------|------------------------|
| 1 Allen key          | 5 (4) Sockets          |
| 2 (4) Set screws     | 6 Wrench               |
| 3 (4) M8x30 Screws   | 7 (4) M6x25 Screws     |
| 4 (4) Centering pins | 8 Lower stacking frame |

#### 3.1 Installing lower stacking frame

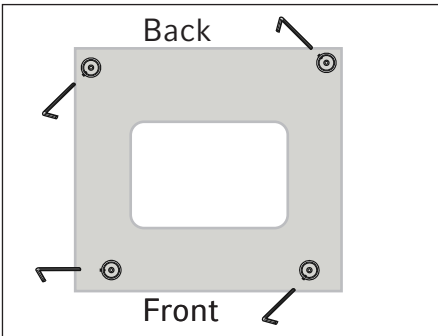


1. Screw a set screw to each socket.

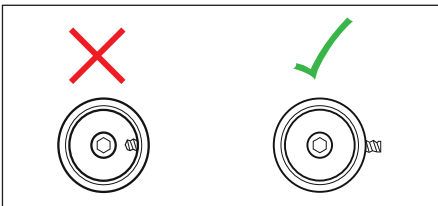
**6 Lower stacking frame**  
Galaxy® 170 Stacking Stand  
English (EN)



2. Screw the sockets to the stacking frame with the M6x25 screws.



3. Make sure the set screws are oriented as indicated by the drawing (for easier reach when tightening).

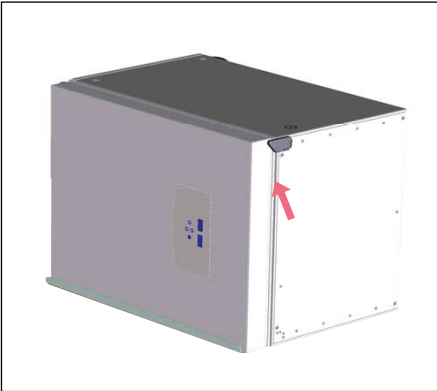


4. Screw the set screws out so that they are not protruding inside the sockets.

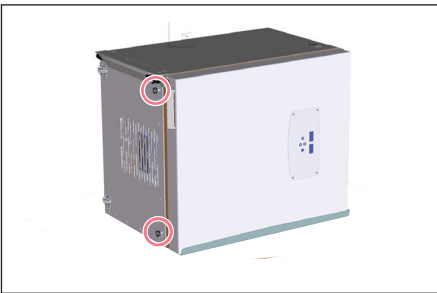


**CAUTION! Heavy loads**

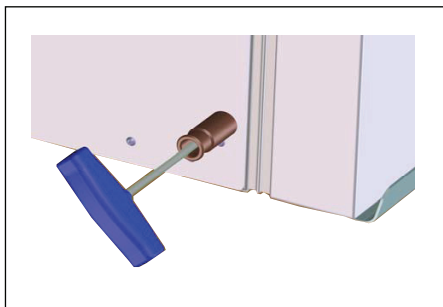
- ▶ Watch your fingers as you lay the incubator on its side.
- ▶ Two persons are required for tilting and lifting the incubator.
- ▶ Hold the incubator by the sides and edges. Do NOT hold incubator by the door.



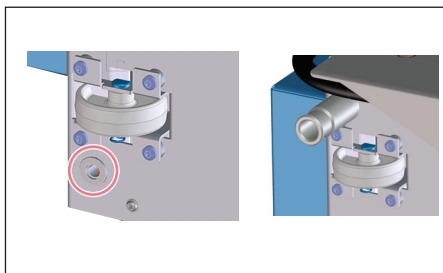
5. Empty the incubator that is to be placed on the lower stacking frame. Remove the shelves and shelf racks.
6. Disconnect the incubator from the gas and mains/power.
7. Lay down cardboard or blanket next to the incubator. Carefully tilt the incubator towards the side where the door opens (so that the door does not swing open). The door hinges should be located at the top.



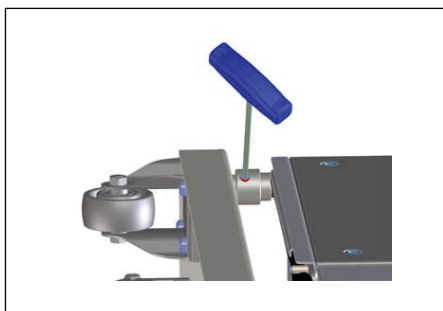
8. Remove the front feet of the incubator. If you have an incubator with rear feet, remove the rear feet, too.



9. Install 2 centering pins to the holes where the feet were with the M8x30 screws.



10. Install 2 centering pins to the holes located next to the castors (if present) with the other two M8x30 screws.



11. Mount the lower stacking frame with the sockets, to the centering pins on the incubator.

12. Tighten the set screws on the sockets.

13. **If the upper stacking frame is being installed**, mount the sockets of the upper stacking frame to the top of the incubator (see *Installing upper stacking frame on p. 12*). This will make it easier to turn the incubator upright by using the sockets as handles.



**WARNING! Risk of personal injury and equipment damage.**

- Make sure the set screws are sufficiently tightened. If they are not tightened enough, the incubator may "jump out" of the sockets.

14. Tighten the set screws on the sockets.





15. Lift the incubator to an upright position.

### 3.2 Fixing one incubator to the wall

#### Prerequisites

- Safety Fastening Kit (Order No. 6710 070.235)



#### **WARNING! Risk of personal injury and equipment damage**

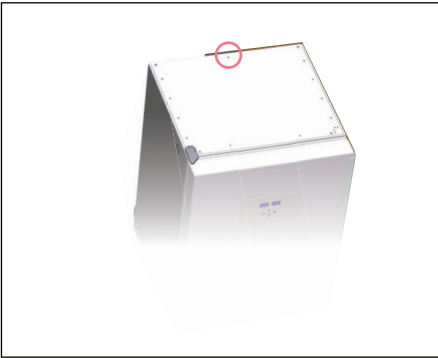
The incubator or incubators may topple if they are not fixed with a safety latch.

- ▶ Each incubator or stack of two incubators on a stacking stand must be fixed to the wall with a safety latch.



1. Disconnect the upper (1) and lower (4) parts of the magnetic safety latch. Push part (3) aside from part (2) and set them aside.

**10 Lower stacking frame**  
Galaxy® 170 Stacking Stand  
English (EN)



2. Remove the screw on the top side of the incubator, towards the back.



3. Attach the lower part of the safety latch and a washer to the incubator with the same screw.

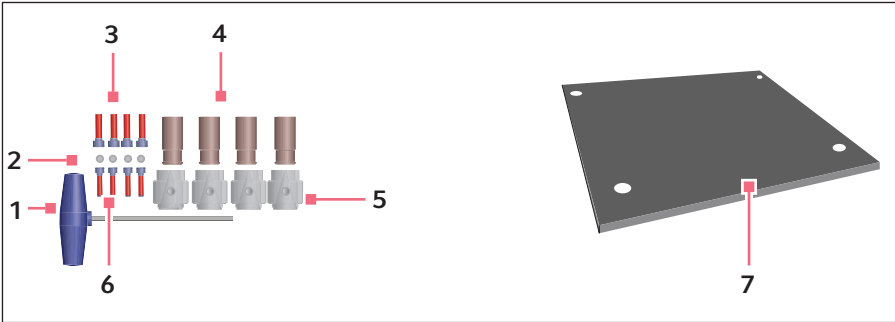


4. Fix the other part of the safety latch to the wall. The screw must have a pullout strength of at least 250 N (~25 kg).



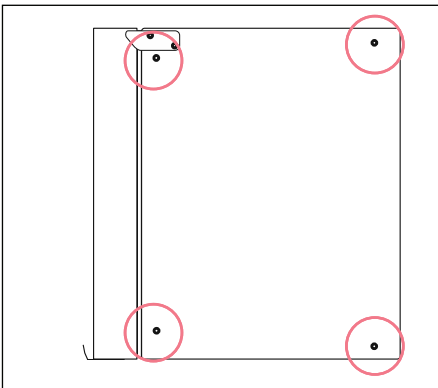
5. Move the incubator to allocated space.
6. Click the two parts of the magnetic connector together.
7. Fasten the belt. Do not fasten too tightly.

#### 4 Upper stacking stand

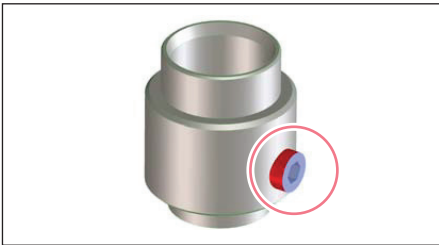


- |                      |                        |
|----------------------|------------------------|
| 1 Allen key          | 5 (4) Sockets          |
| 2 (4) Set screws     | 6 (4) M6x25 Screws     |
| 3 (4) M8x30 screws   | 7 Upper stacking frame |
| 4 (4) Centering pins |                        |

##### 4.1 Installing upper stacking frame



1. Remove the thread covers from the top of the lower incubator.

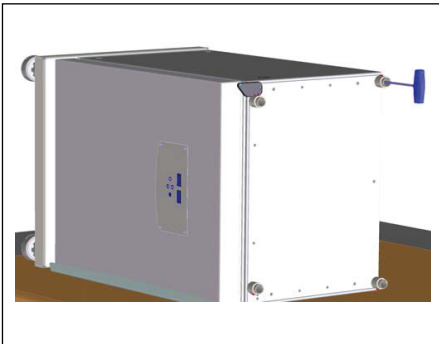


2. Screw a set screw to each socket.



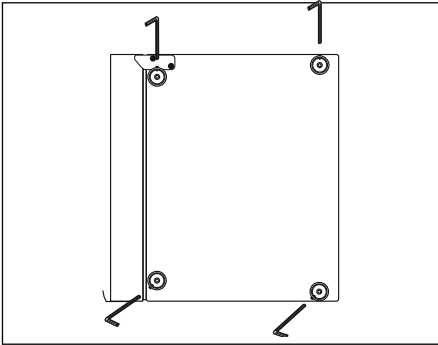
**CAUTION! Heavy loads.**

- ▶ Watch your fingers as you lay the incubator on its side.
- ▶ Two persons are required for tilting and lifting the incubator.
- ▶ Hold the incubator by the sides and top edges. Do NOT hold incubator by the door.

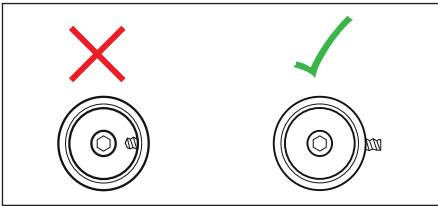


3. Screw the sockets to the top of the lower incubator with the M6x25 screws.

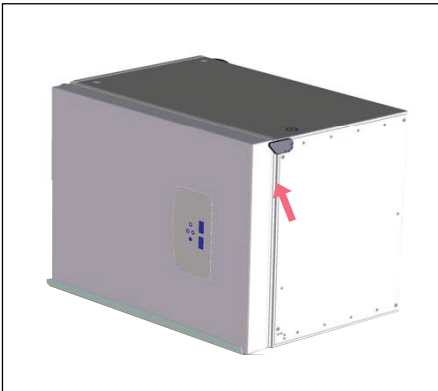
**14** Upper stacking stand  
Galaxy® 170 Stacking Stand  
English (EN)



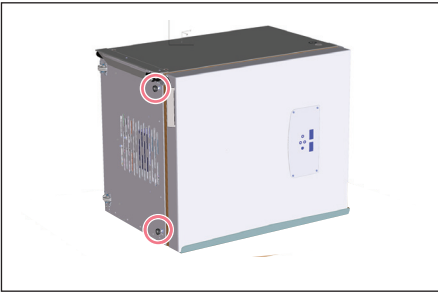
4. Make sure the set screws are oriented as indicated by the drawing (for easier reach when tightening).



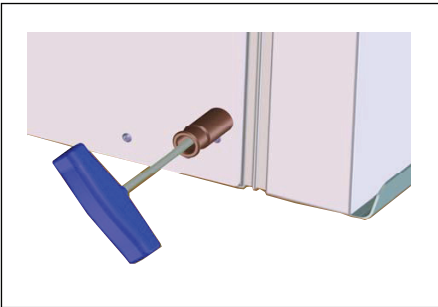
5. Screw out the set screw so it is not protruding inside the socket.
6. If the lower stacking frame is mounted, turn the lower incubator upright, using the sockets installed as handles.



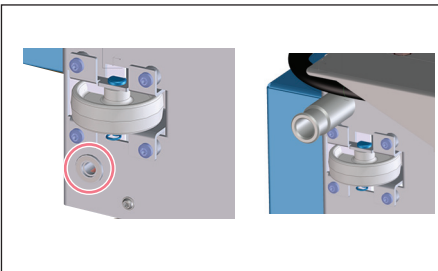
7. Empty the upper incubator and remove the shelves and shelf racks.
8. Disconnect from the mains/power.
9. Lay down some cardboard or a blanket next to the incubator. Carefully turn the incubator towards the side where the door opens (so the door does not swing open). The hinges should be located at the top.



10. Remove the front feet of the upper incubator. If you have rear feet, remove them too.



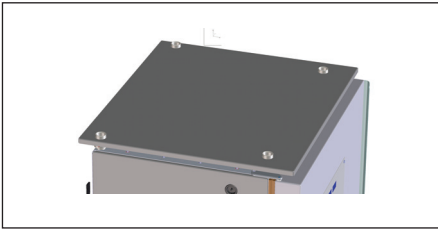
11. Install two centering pins to the front feet holes with the M8x80 screws.



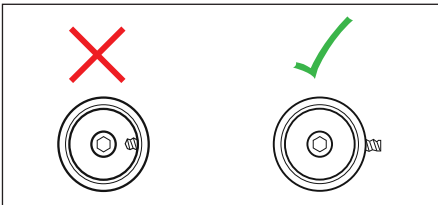
12. Install 2 centering pins to the holes located next to the castors (if present) with the other two M8x30 screws.

13. Lift the incubator to an upright position.

**16** Upper stacking stand  
Galaxy® 170 Stacking Stand  
English (EN)



14. Place the upper stacking frame on top of the lower incubator. Make sure the sockets insert into the holes of the stacking frame.



15. Make sure the set screws do not protrude into the sockets that are mounted on the lower incubator, so that the centering pins will easily slide into the sockets.



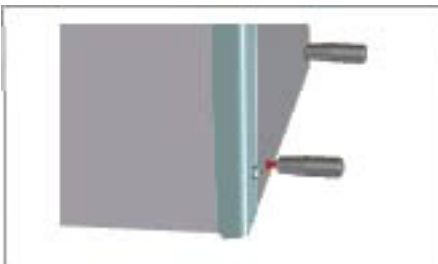
**WARNING! Heavy loads.**

- ▶ 4 persons needed for lifting the top incubator to the bottom incubator.
- ▶ One person is needed to guide the centering pins of the top incubator into the sockets of the bottom incubator.



**CAUTION! Danger shearing of the hands.**

- ▶ Be very careful while guiding the centering pins into the sockets.



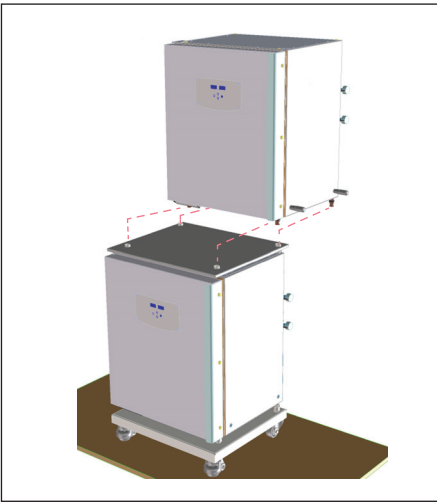
16. Install the 4 lifting handles to the upper incubator.





**CAUTION! Risk of injury**

- ▶ Make sure your hands are not in the space between as the top incubator is being lowered.

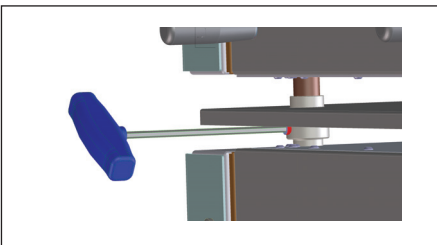


17. Lift the upper incubator.
18. Guide the centering pins of the upper incubator to the sockets of the lower incubator.
19. Let the centering pins slide into the sockets.



**WARNING! Risk of personal injury and equipment damage.**

- ▶ Make sure the set screws are sufficiently tightened. If they are not tightened enough, the incubator may "jump out" of the sockets.



20. Tighten the set screws of each socket of the lower incubator.
21. Remove the 4 lifting handles.

#### 4.2 Fixing stacked incubators to wall

##### Prerequisites

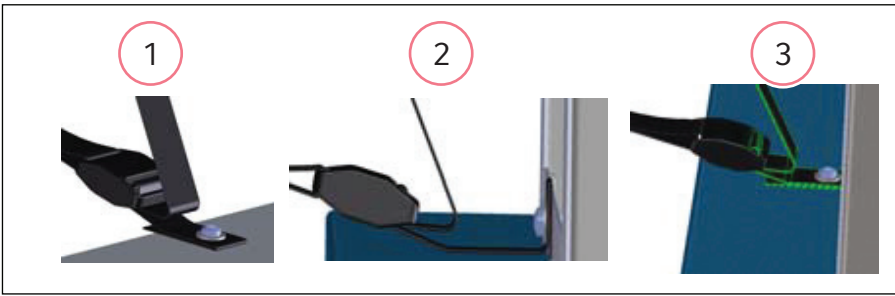
- Safety Fastening Kit (Order No. 6710 070.235)



#### **WARNING! Risk of personal injury and equipment damage**

The incubator or incubators may topple if they are not fixed with a safety latch.

- ▶ Each incubator or stack of two incubators on a stacking stand must be fixed to the wall with a safety latch.



1. Unscrew one of the following screws: (1) the screw on top of the incubator, (2) the screw on the rear of the incubator above the service tray, or (3) the screw on top of the service tray.



2. Fix the lower part of the safety latch (4) with the screw and washer that was removed to the same hole. Use just one hole of the belt.



3. Fix the other part of the safety latch to the wall. The screw must have a pullout strength of at least 250 N (~25 kg).



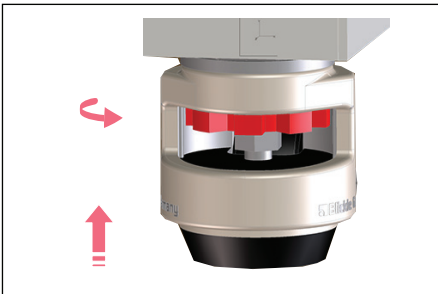
**WARNING! Risk of serious injury during moving. The incubators may tip over.**

- ▶ 2 trained persons are needed for moving the incubators.
- ▶ Do not use too much force while moving.

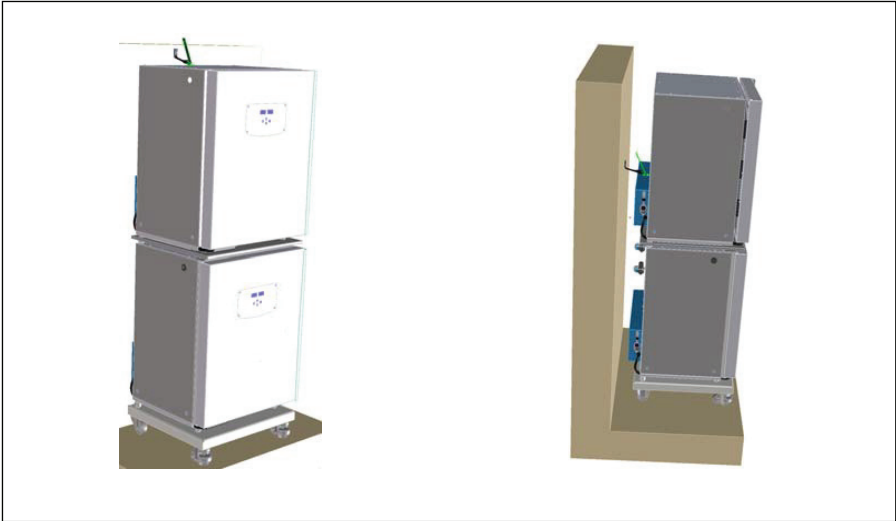


**CAUTION! Risk of injury during moving.**

- ▶ Make sure to keep doors closed while moving the incubator.
- ▶ Keep hands clear of the edges of the incubator.



4. Adjust the stabilizing feet of the lower frame so that they are in the highest position and allow the wheels of the castor to roll freely.



5. Move the stacked incubators to allocated space.
6. Click the two parts of the magnetic connector together.
7. Fasten the belt (not too tightly).

## **5 Adding an additional upper stacking frame**

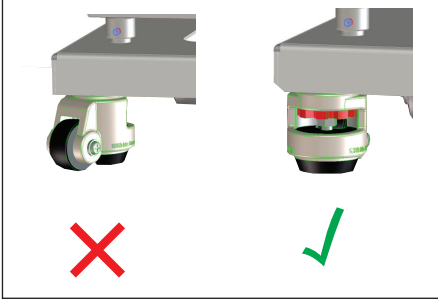
### Prerequisites

- A ladder or stepstool

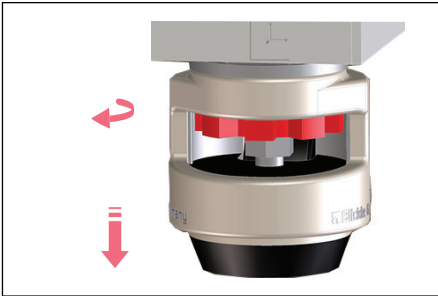
An additional stacking frame may be installed on the top incubator to block airflow from an air conditioner. This may help reduce condensation.

1. Screw the sockets to the top of the top incubator with the M6x25 screws.
2. Place the upper stacking frame on top of the upper incubator.
3. Make sure the sockets insert into the holes of the stacking frame.

## 6 Leveling the incubators



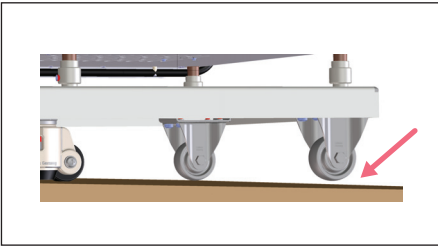
1. Adjust the castor of the lower frame so they are facing forward.
2. Install the humidity tray and the shelves and the shelf racks.
3. Place a spirit level on one shelf with the ends facing left to right.



4. Turn the red wheel of the adjustable stabilizing feet to the left until the foot touches the floor.



5. Use the included wrench to adjust the height of the feet and level the incubators.
6. Turn the spirit level so the ends face front to back. Level the incubator by adjusting the height of the feet.
7. Place the spirit level on other shelves. Adjust the height of the feet if necessary.



8. If the floor is not even, one of the rear castors may raise off the ground. Insert some material between the space to stabilize the incubators.







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