

**Pexgol** Piping Solutions

---

# De-coiling **Procedure**

For Pexgol pipes up to 355 mm

—  
2021

# De-coiling Pexgol Pipes

---

Coiled Pexgol pipe is restrained with strapping to contain the spring-like energy retained within the coil. Cutting or breaking strapping can result in an uncontrolled release. Take all necessary **safety precautions** and use appropriate equipment. Please observe the safe handling instructions provided.



## REQUIRED PPE

For Pexgol, safety comes first. Please always use safety personal equipment, a good habit that preserves your health.

1. Hard hat
2. Gloves
3. Steel Toe Shoes





# Instructions

---

## 1.

### MOVING CONSIDERATIONS

Every time the device is moved to the field or warehouse, it must go without the arm extensions and without the vertical guides for an easy and safety transportation.

Never move the de-coiler with a coil on it.

**Auxiliary components:** arms, extensions and guides, must be packed separately in properly marked packages.







## 2.

### CONSIDERATIONS FOR HANDLING & LIFTING

- Always use the dedicated four lifting points.
- Consider that the device is without arms and vertical guides for any lifting maneuver.
- Avoid sudden maneuvers where the device can be severely impacted.



# 3.

## MAINTENANCE CONSIDERATIONS

### Before the transportation:

1. Visual check
2. Check all the bolts and nuts.
3. Re-tighten, grease and / or replace.
4. Make sure that the battery of the electric winch is full.

### After a long period without use, exposed to the environment:

1. Visual and mechanical check.
2. Check all the bolts, nuts and bearings.
3. Re-tighten, grease and / or replace.
4. Remove rust, scratches and repaint with epoxy paint.

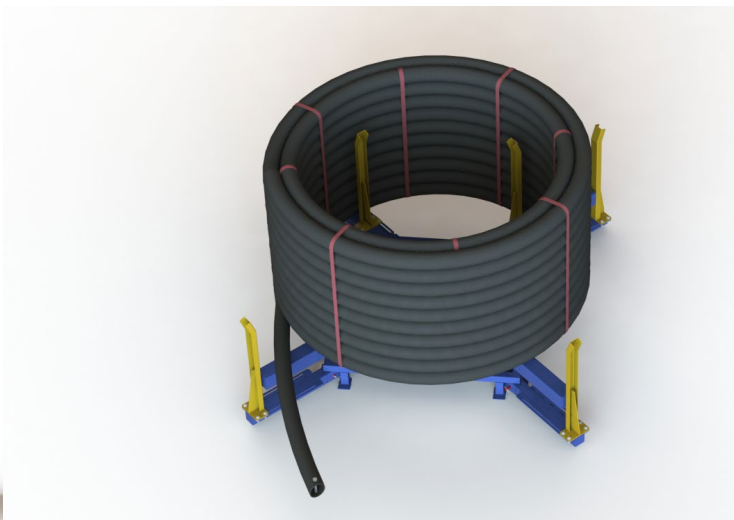


# 4.

## PROCEDURE FOR HANDLING AND USING THE HORIZONTAL DE-COILER

1. Move the de-coiler to the field without the extensions. See paragraph 1.
2. Once the truck has arrived at the work site, proceed to lower the device by strapping the base properly in 4 symmetrical points. Lift the load in a controlled manner observing the wind and place it on a horizontal surface.
3. Inspect coil and confirm that the straps are evenly distributed around the circumference of the coil, make sure the straps are tight and do not show signs of wear.
4. Take several measurements of the inside diameter of the coil and calculate the average value and then do the same with the outside diameter.
5. With the previous measurements, start the arm assembly according to the size of the coil and then fix the vertical guides.
6. The center guides shall be positioned so that the distance between them is slightly less than the average inner diameter of the coil. This spacing, which can be 25 to 30 mm, is defined in the field as soon as the coil is already on the ground.
7. The carrier will strictly follow the instructions and procedures delivered by Pexgol regarding the safe handling and transportation of this type of cargo. In this sense, he must make every effort to maintain the integrity of the coil until it arrives at the uncoiling site.
8. The coil should be lifted using 4 to 6 points as shown in the sequence below; subsequently, it is suspended above the guides and, looking for the center, it is slowly lowered through the vertical centering guides until it sits on the crosshead.
9. The straps should be able to lift twice the weight of the coil. When lowering the coil, Make sure not to place the straps close to the arms so that you can pull them out after the coil has been placed. And that you have loosened the winch cable enough for it to reach the inner end of the pipe.
10. Make sure there are no persons at least





12 ft from the coil when raised, when moving the coil, make sure the driver has a clear view of the way and has a spotter with a radio connection to the driver – making sure the path is clear.

11. Once the coil is correctly positioned on the device and the lifting slings have been removed, the end of the pipe needs to be fastened.
12. Anchor the inner edge of the pipe to the electric winch and the outer edge to the tractor's tow hook, using only accessories that have been approved to support the total weight of the pipe.
13. After making sure that the pipe ends are properly connected on both sides, an operator is appointed to perform the cuts of the safety straps when the cylinder rotates and slowly deploy the Pexgol pipe.
14. The security straps come from the Plant

and are located as follows: A set of external bands that cover all the turns of the roll and a set of straps located "by sectors" overlapping which tie a certain number of turns.

15. First all the external straps are cut. Subsequently, the 1st overlap tape is cut closest to the end from which the pipe will be pulled, and the deployment is started, indicating the movement of the pulling tractor at very low speed. Every time they reach the point where the operator is, he will cut the following overlapping straps. It is important that deployment is done at low speed and without shakes. The operator who cuts the straps will indicate to stop the Uncoiling when necessary. It is important that the operator have a radio connection to the driver.
16. The vertical safety guides must always



be in a position that protects the operator from a possible expansion of the coil (this is only for an extreme safety condition since the arrangement of the straps and their resistance provide adequate containment of the roll).

17. When reaching the last turn of the pipe in the roll, use the electric winch remote control to loosen the pipe slowly until it sits on the ground.  
**Note:** Do not use the winch to pull the pipe back. If you need to correct your position, do it with the tractor. When the pipe is sitting on the ground, disconnect the hook and the chain.
18. The operator will never be inside the coil core.
19. In case that the coil has a core, the core should be attached to the base. Also, there is no need for the middle pole.

#### The de-coiler has two versions:

1. **Small de-coiler:** up to pipe 280 mm class 24
2. **Big de-coiler:** up to pipe 355 mm class 30





# 5.

## COILS WITH EDGES CONNECTED TO EACH OTHER

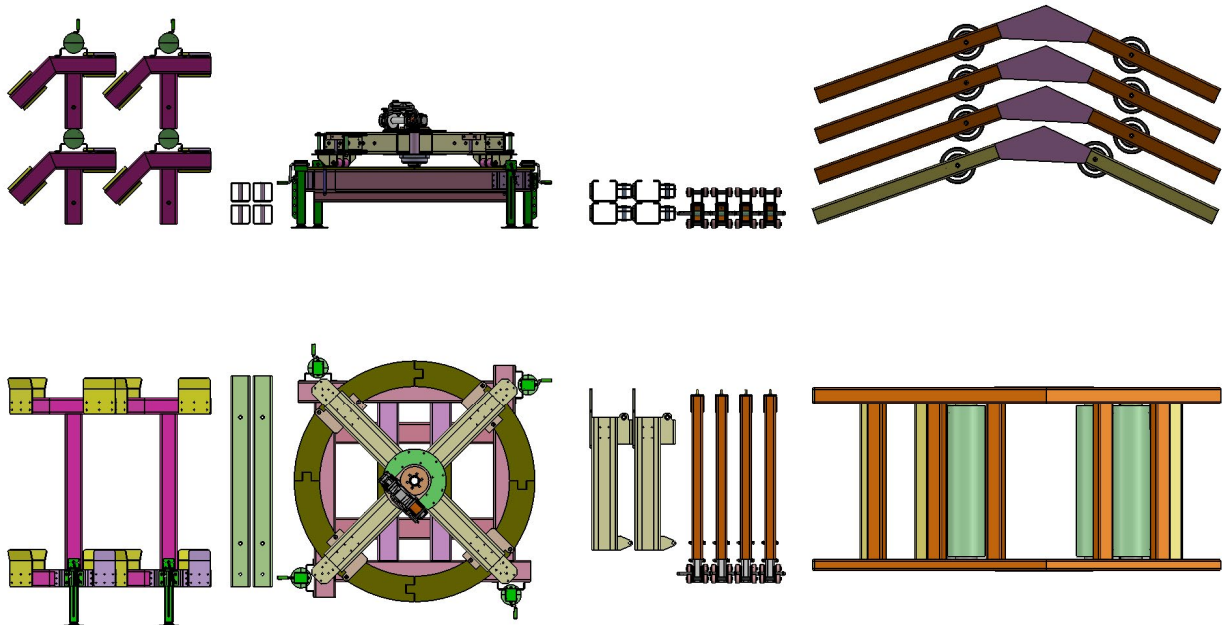
In case of coils with the edges connected to each other (usually in sizes 250-280 mm) we recommend:

- Cut the rope with a knife mounted on a stick, do not stand near the coil with a ladder to reach the appropriate height.
- Tie with an additional rope or short chain, as close as possible to the outer edge that will open to the spoon of the tractor. This will make it possible to make a controlled and slow release.
- After the release, before starting to deploy the coil, it is recommended to tie the inner end to the coils so that the coil will retain its shape.



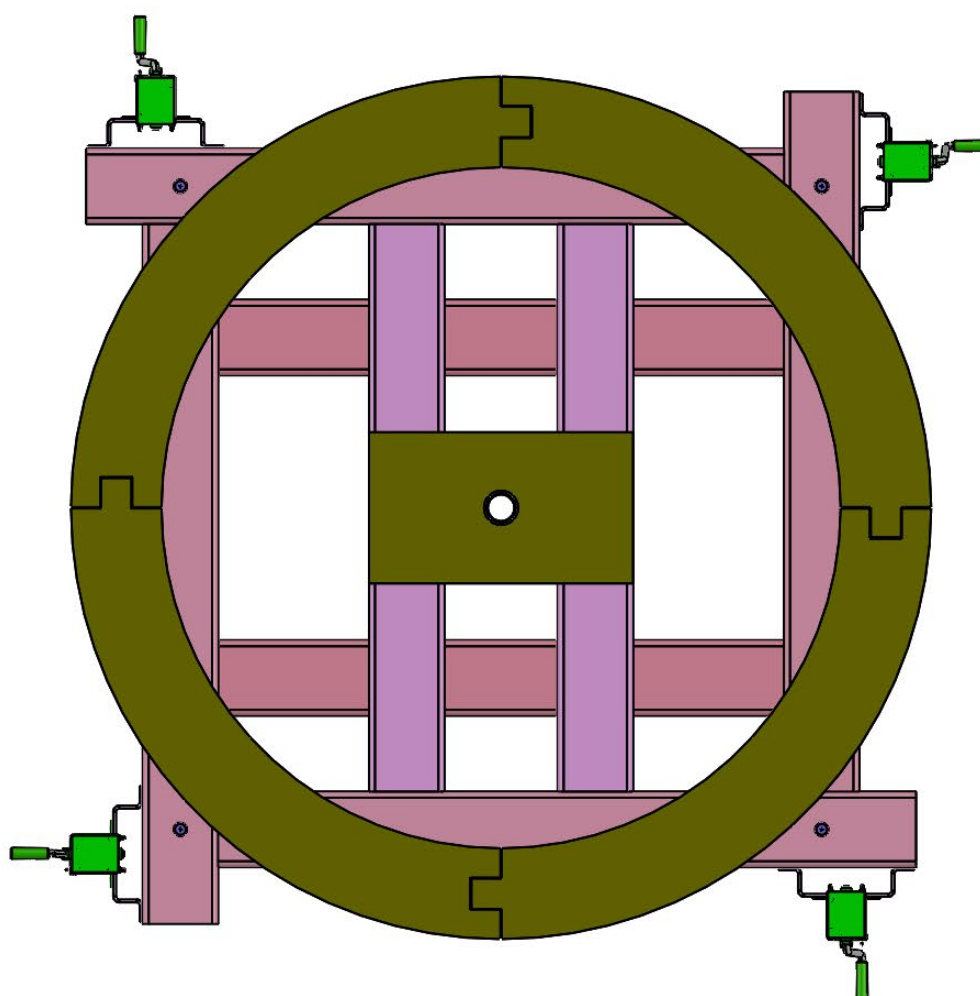
# Assembly Instructions

---



1.

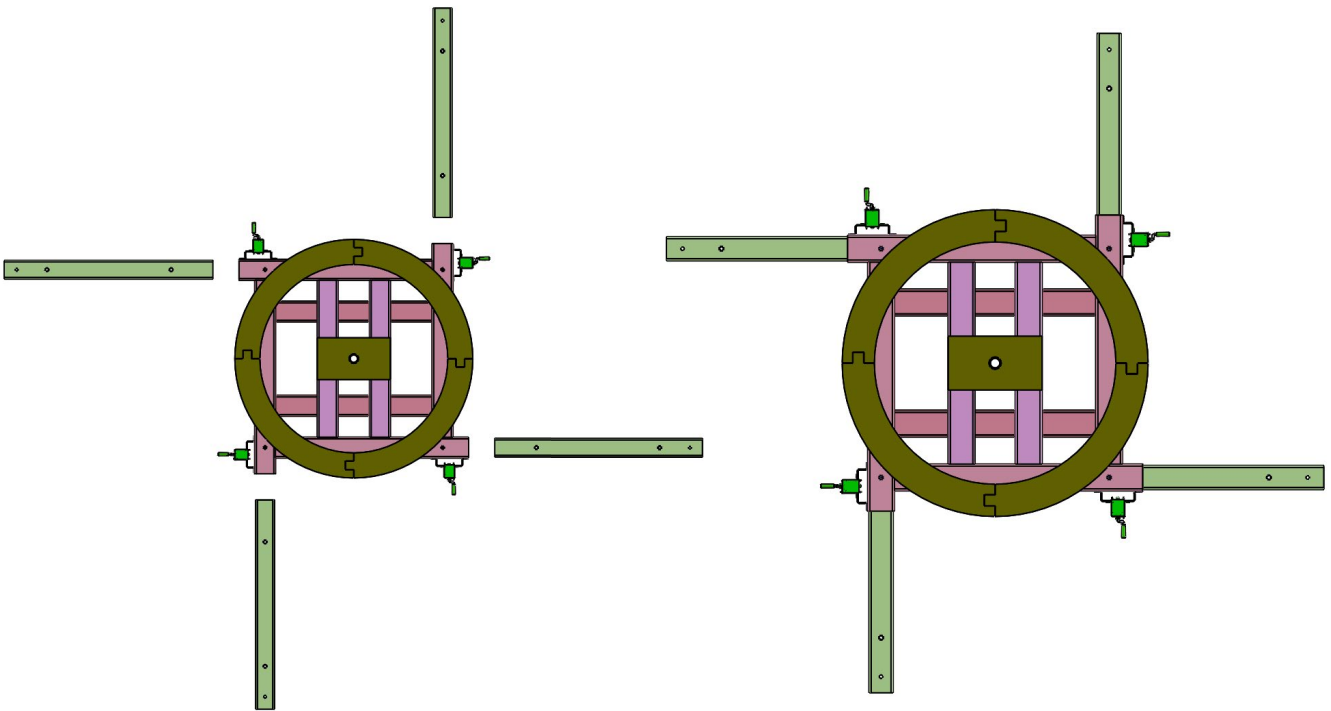
- Level the base by the legs attached to it.





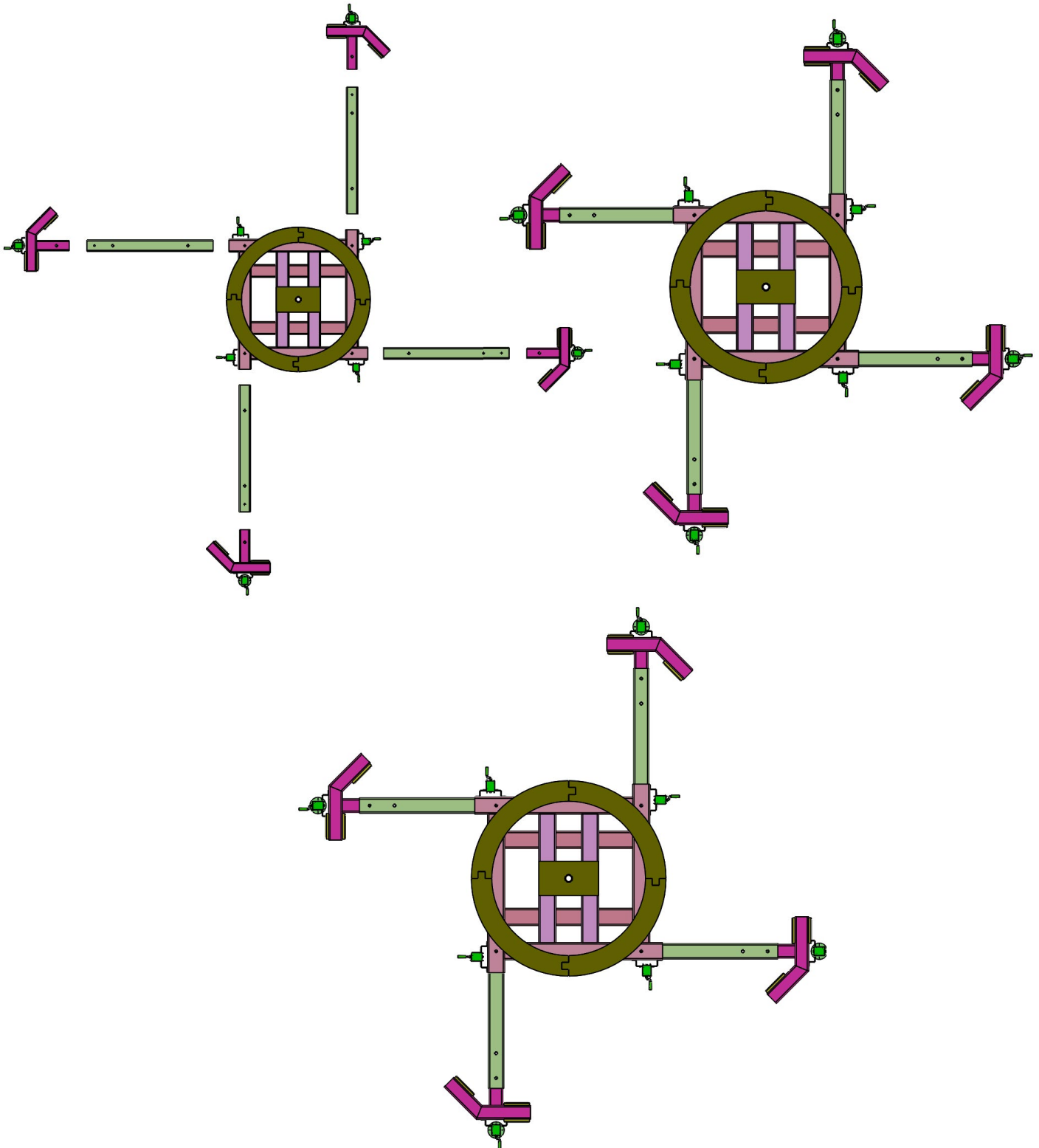
## 2.

- Assemble the arms by inserting them into the base and fixing them by the designated pins



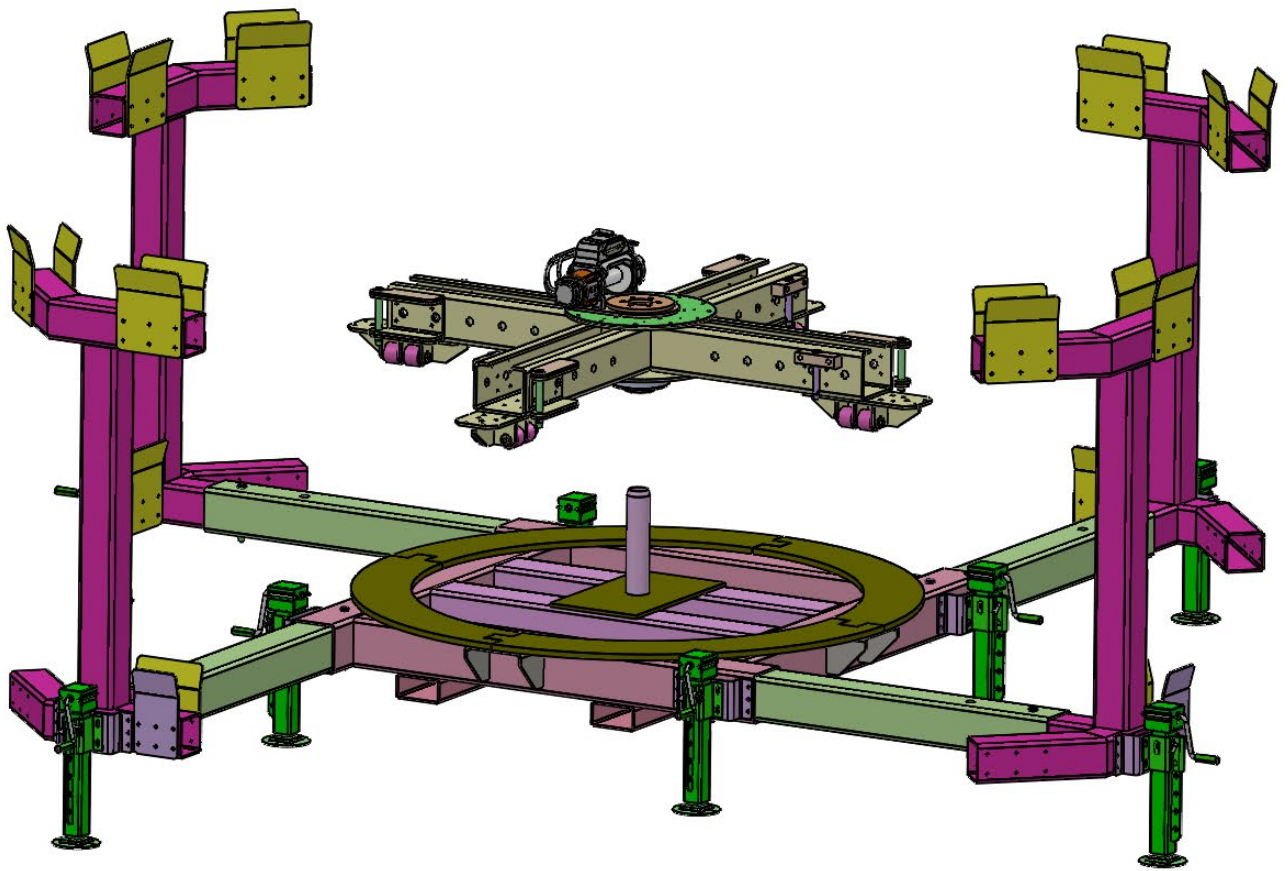
# 3.

- Connect the support pillars of the pipe by inserting them into the arms and fixing them by the designated pins.



4.

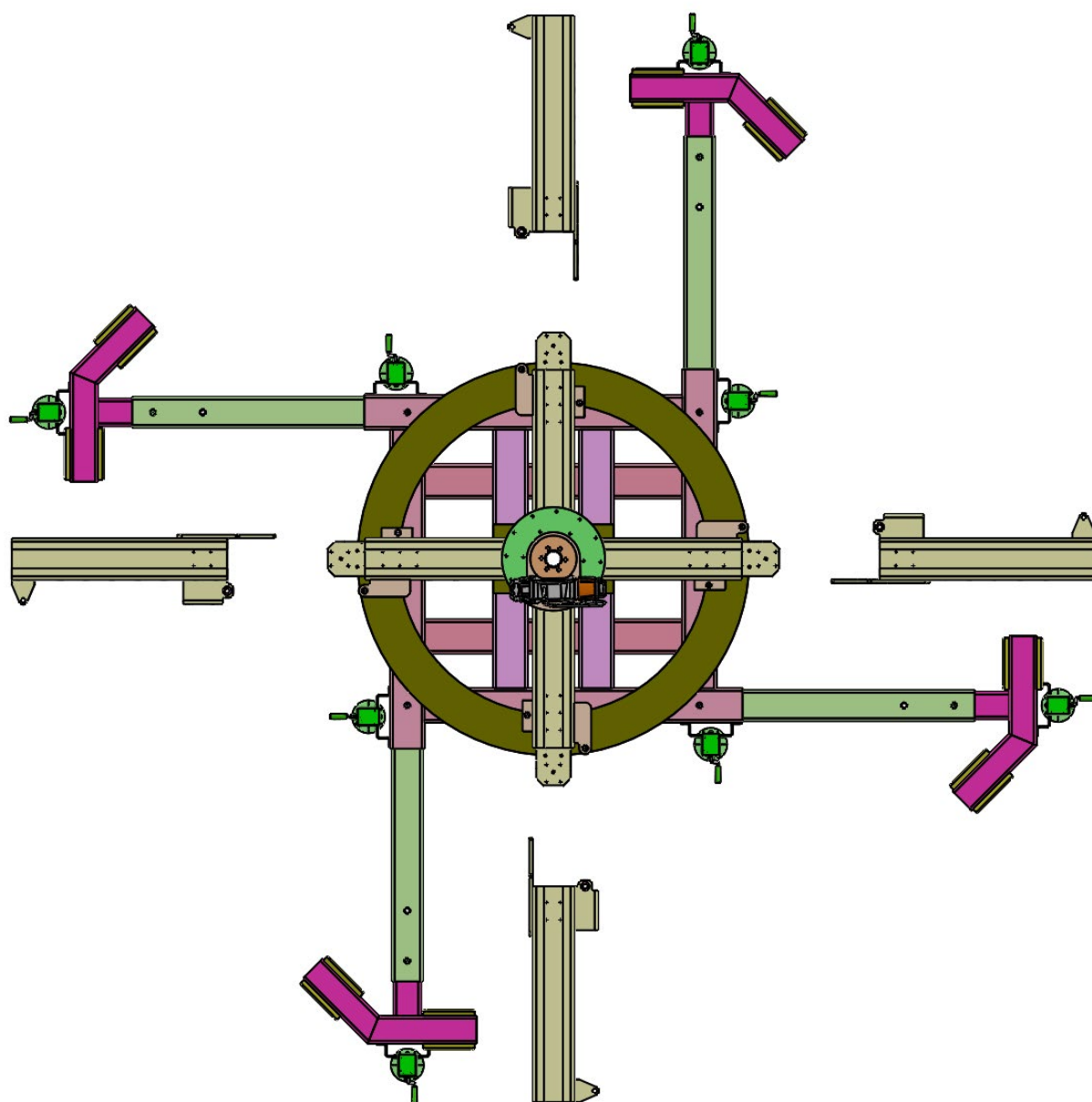
- Place the carrousel and connecting it to the base by inserting it into the main axis of the base.





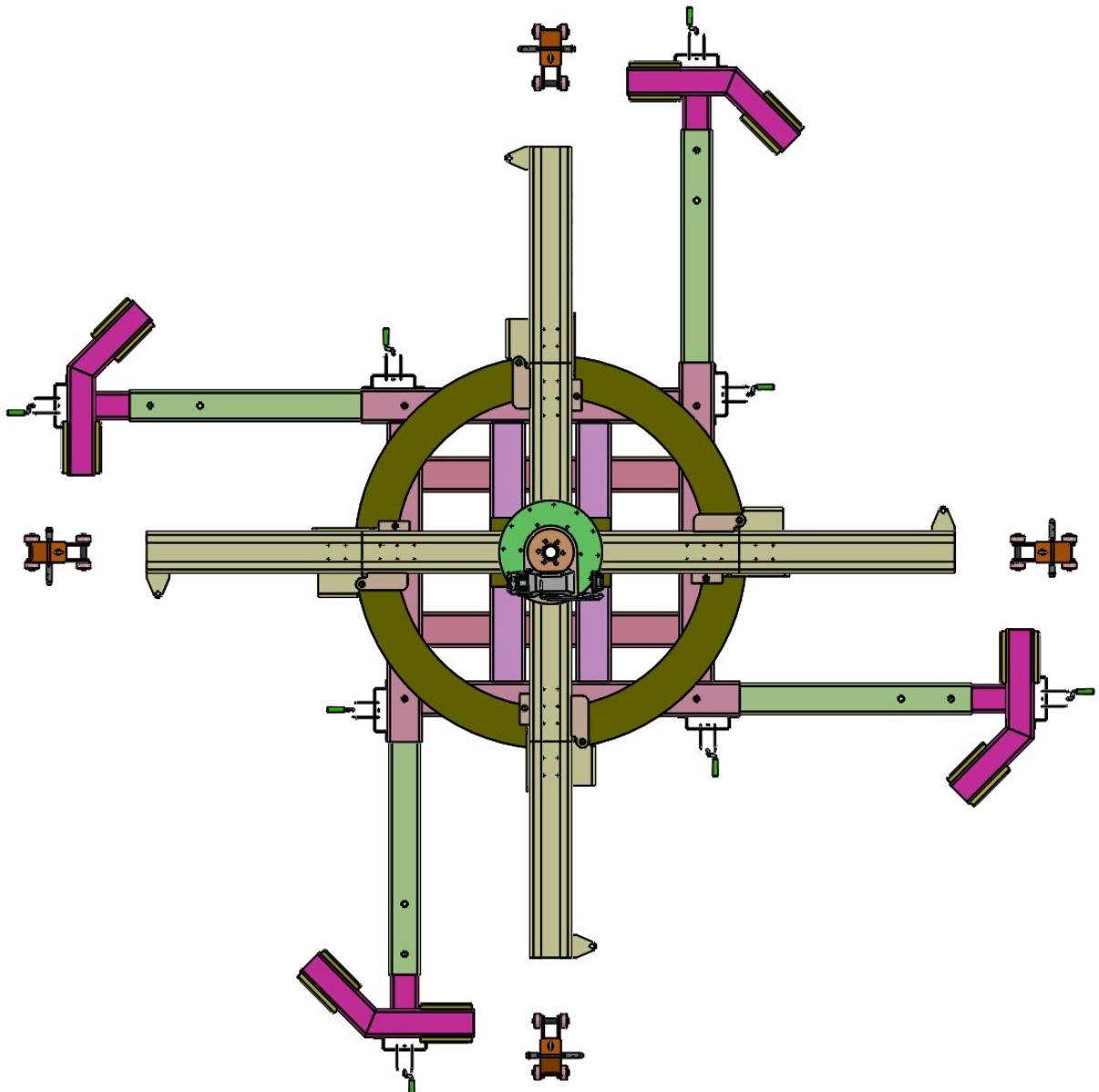
# 5.

- Connect the arms of the carousel.



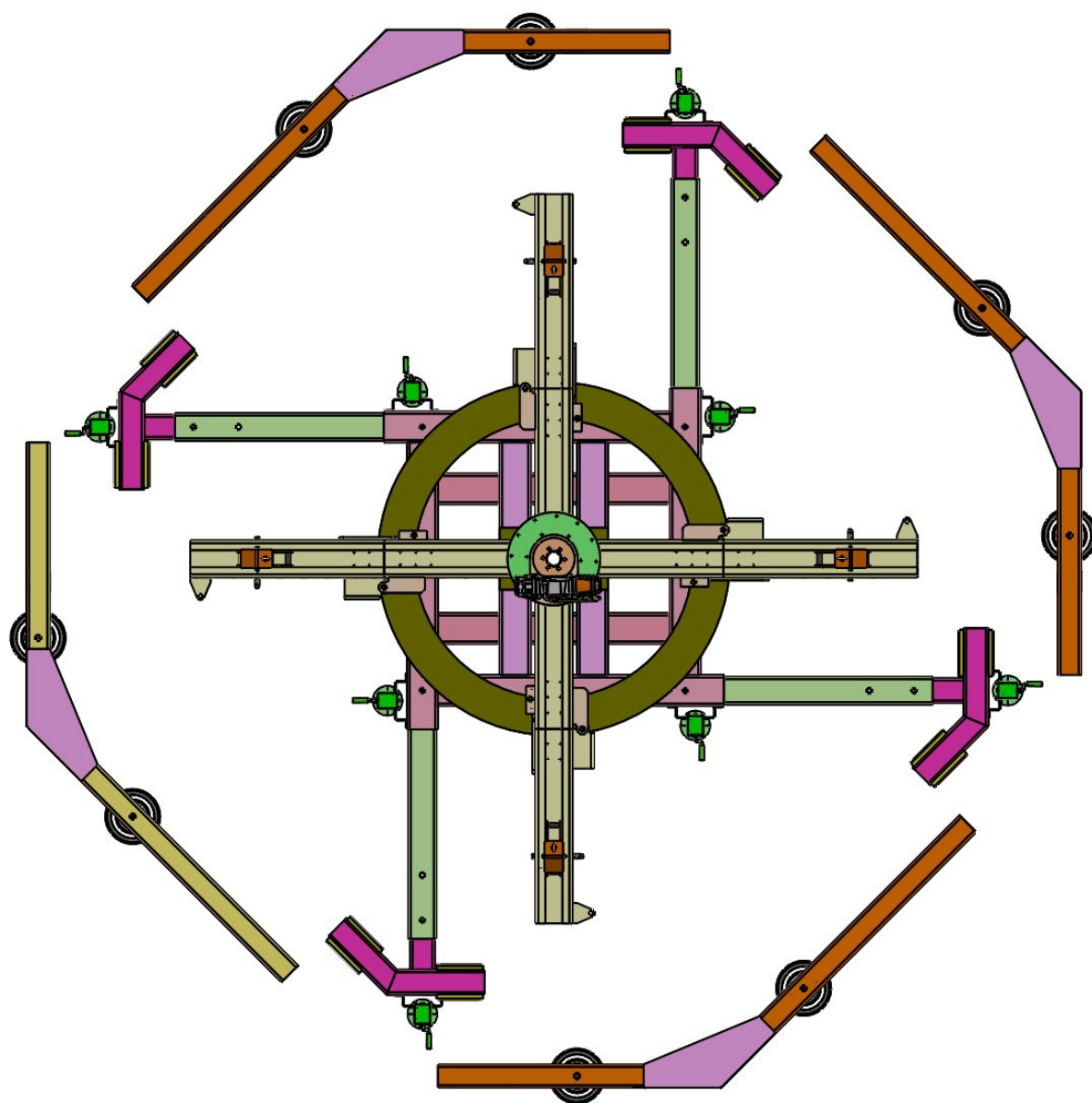
# 6.

- Insert the wheels into the carousel.

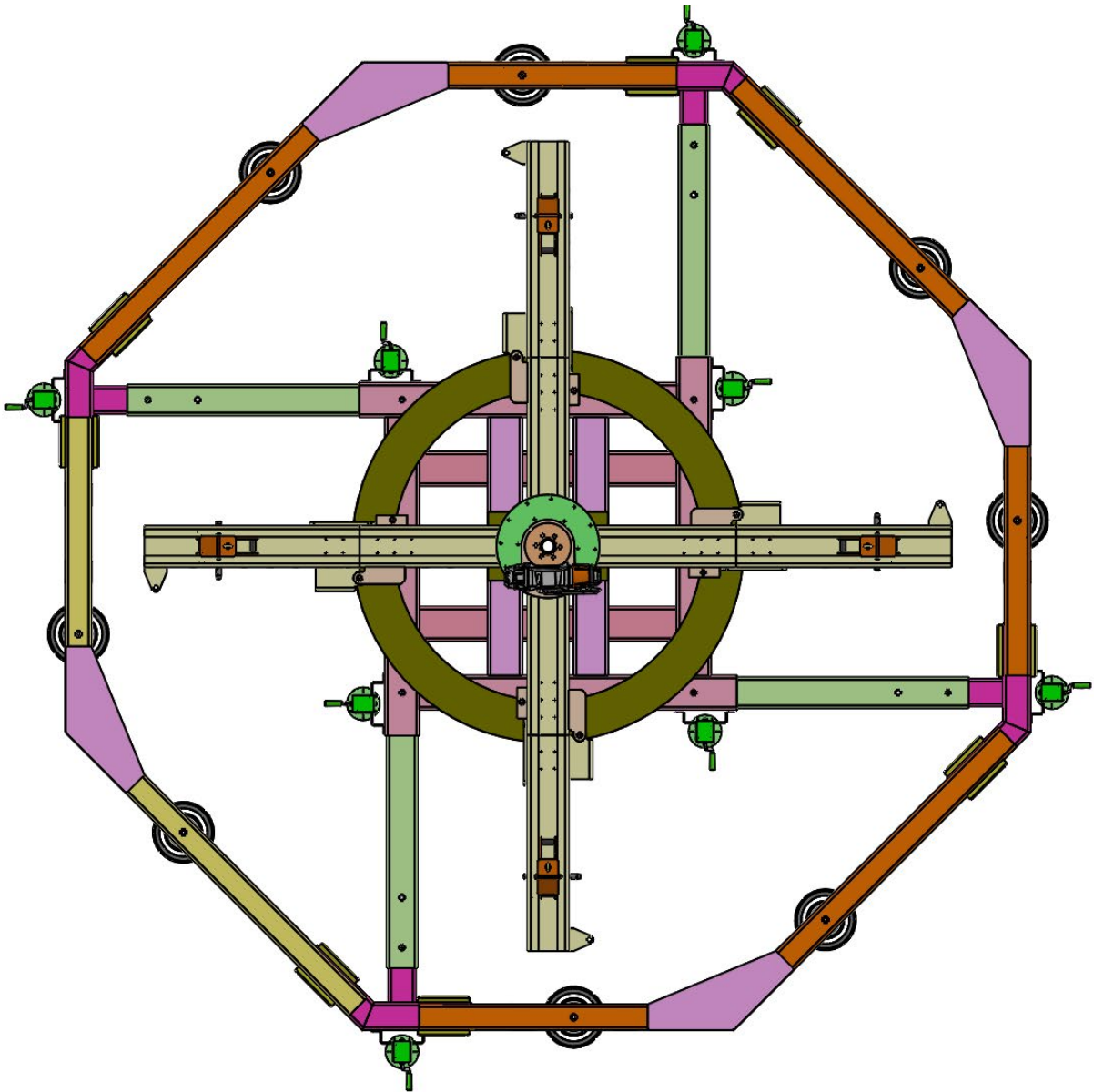


# 7.

- Add the support rods by placing them on the pillars.







**Agreement to Compliance:**

---

The Contractor agrees to execute and abide by the terms set forth in the Compliance Uncoiling Procedure for Pexgol pipes attached hereto.

---

Contractor Signature

---

Pexgol Signature

---

Date