

SPIRAL SUPPORT

# Spiral Conveyor Transport and Installation



# Spiral Conveyor Transport and Installation

This document provides an instruction how to transport and install your Spiral Conveyor. Spiral Conveyors delivered by Apollo VTS can be delivered in one piece, in more pieces (with a division in the center pipe) or completely in parts. This document makes a split between a small Spiral Conveyor (lower than 3.5m and/or with a weight lower than 1300kg) and for larger Spiral Conveyors (higher than 3.5m and less than 8m or with a weight higher than 1300kg and less than 3000kg). For Spiral Conveyors with a length longer than 8m or with a weight higher than 3000kg a project specific instruction can be provided by our service department. Please contact our service department per mail [service@apollobv.nl](mailto:service@apollobv.nl) or by phone +31 (0) 524 51 5051.

**Before carrying out any transport or installation activities, ensure the following:**

 Switch off the machine COMPLETELY before transporting the machine.

 Always check that the machine is disconnected from its power sources before transporting and storing the machine.

 Ensure that the working space is secured and guarded

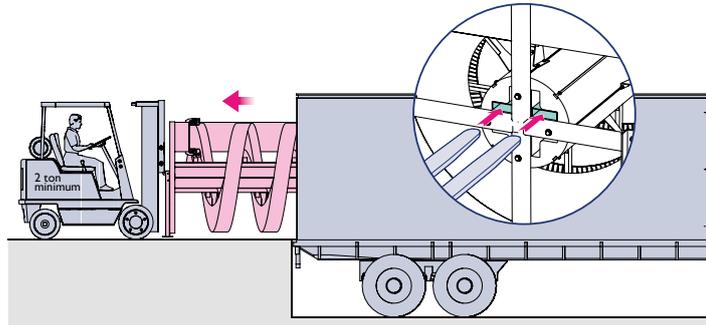
Reference is made to the operation and maintenance manual for more details. The Apollo Service Department is always available to assist with your installation, service or maintenance questions. Feel free to call +31 (0) 524 51 5051 or e-mail [service@apollobv.nl](mailto:service@apollobv.nl) with questions.

## Length spiral lower than 3.5 m and/or weight lower than 1.3 ton

### I. Unloading of Spiral Conveyors

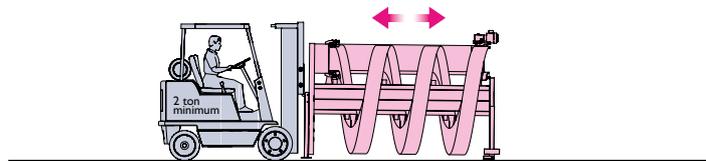
The Spiral Conveyor can be unloaded from the truck/trailer by means of a forklift or by means of (vertical) lifting.

- When unloading with a forklift, only use the two fork pockets in the bottom end of the center tube. Ensure that the top of the Spiral Conveyor is supported by the Transport Frame (with rollers).
- When unloading by means of lifting, ensure that the spiral is lifted at the top and the bottom with the supplied Lifting Lugs.



### II. Transport of Spiral Conveyors

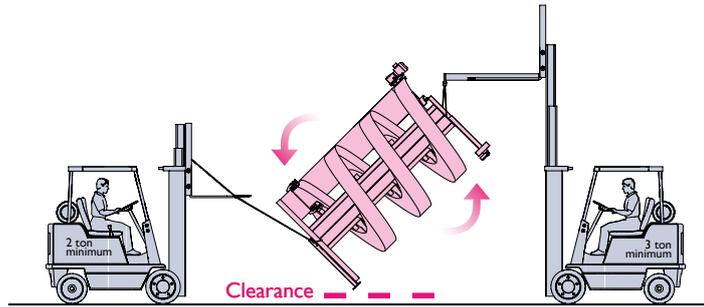
Lift the Spiral Conveyor by means of a forklift (use the fork pockets in the bottom of the center pipe). Ensure that the transport frame (with rollers) is mounted on the top of the Spiral and transport the Spiral such that the bottom side is lifted by the Forklift and the top side is supported by the Transport Frame. The forklift should have a capacity of 2 ton.



**Read about step III and IV on the next page →**

### III. Lifting Spirals in upright position

Lift the Spiral upright by means of 2 Forklifts (1 at the top and 1 at the bottom). Ensure that the maximum height of the forklift is at least equal to the height of the Spiral Conveyor + length of the rigging + 1m clearance. Use the supplied Lifting lugs to attach the Spiral to the sling/strap. Ensure that the forklift at the bottom of the Spiral clears the Spiral from the floor. Ensure that the center point of gravity is at the lowest point to avoid the spiral from rotating during lifting. The forklift at the bottom should have a capacity of 2 ton, the forklift at the top 3 ton.

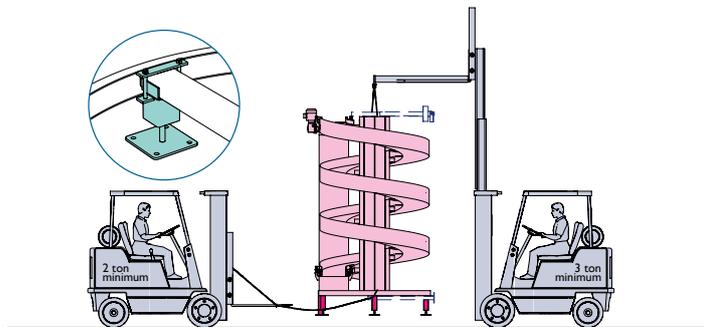


*Caution: ensure that all lifting equipment (slings, straps, eyes, etc.) are properly certified and secured before any lifting operation*

### IV. Installing legs

Lift the Spiral by means of 1 Forklift. Install the legs and tighten the bolts when the Spiral Conveyor is hanging. Remove the Transport Frame at the top and at the bottom (if applicable).

*Caution: do never position yourself under the Spiral Conveyor. When installing the legs, always stay next to the Spiral Conveyor.*

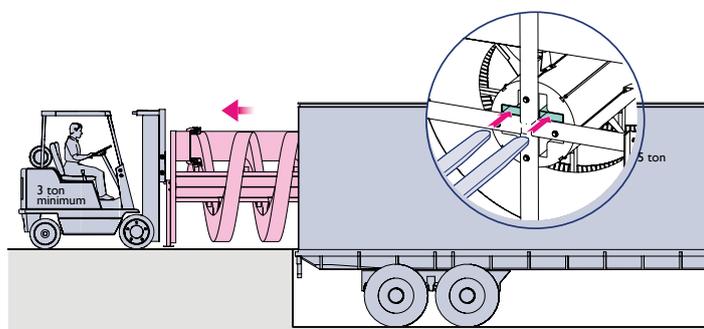


Length spiral between 3.5 and 8 m and/or weight between 1.3 and 3 ton

### I. Unloading of Spiral Conveyors

The Spiral Conveyor can be unloaded from the truck/trailer by means of a forklift or by means of (vertical) lifting.

- When unloading with a forklift, only use the two fork pockets in the bottom end of the center tube. Ensure that the top of the Spiral Conveyor is supported by the Transport Frame (with rollers).
- When unloading by means of lifting, ensure that the Spiral is lifted at the top and the bottom with the supplied Lifting Lugs.

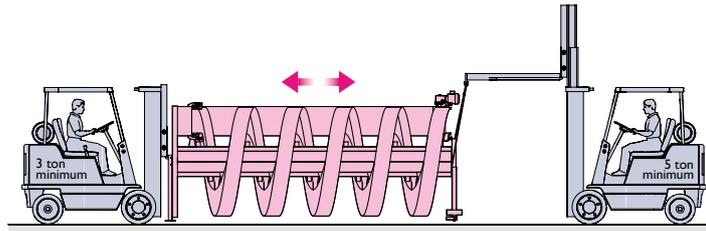


**Read about step II, III and IV on the next page →**

## II. Transport of Spiral Conveyors

Lift the Spiral Conveyor by means of 2 forklifts. Use the fork pockets in the bottom of the center pipe and use the Lifting Lug in the top of the Spiral to maneuver and turn the spiral in tight areas.

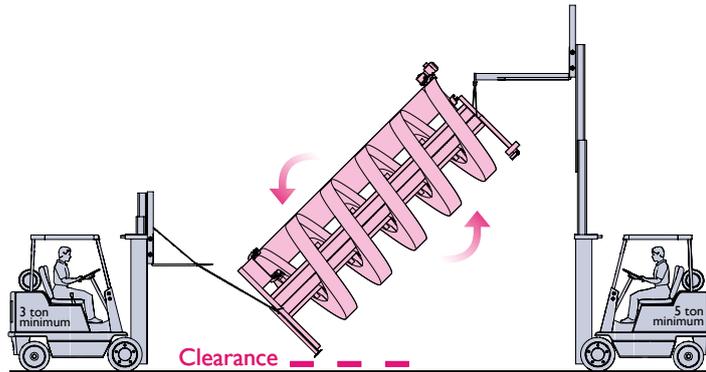
The forklift at the bottom should have a capacity of 3 ton, the forklift at the top 5 ton.



## III. Lifting Spirals in upright position

Lift the Spiral upright by means of 2 Forklifts (1 at the top and 1 at the bottom). Ensure that the height of the Forklift is equal to the height of the Spiral, added by 1m. Use the supplied Lifting Lugs to attach the Spiral to the sling. Ensure that the center point of gravity is at the lowest point to avoid the Spiral from rotating during lifting.

Ensure that the forklift at the bottom of the Spiral clears the Spiral from the floor.

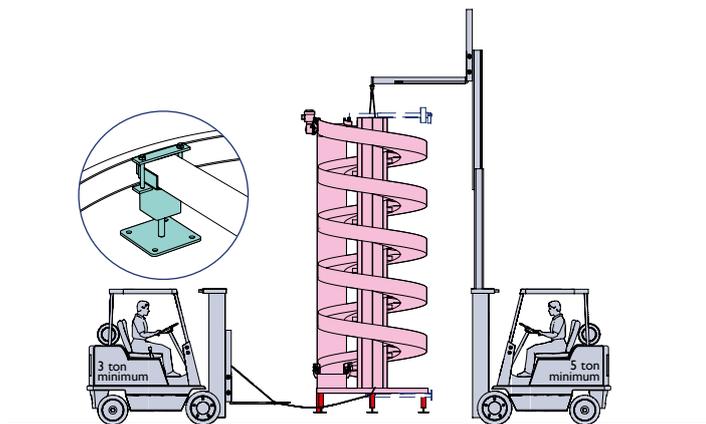


*Caution: ensure that all lifting equipment (slings, straps, eyes, etc.) are properly certified and secured before any lifting operation*

## IV. Installing legs

Lift the Spiral by means of 1 Forklift. Install the legs and tighten the bolts when the Spiral Conveyor is hanging. Remove the Transport Frame at the top and at the bottom (if applicable).

*Caution: do never position yourself under the Spiral Conveyor. When installing the legs, always stay next to the Spiral Conveyor.*





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