

# Applications



*FlexLink applications for the bearing industry*

990316

## Elevator.

*FlexLink elevator unit for cylindrical products with a diameter 15 - 52 mm.*



### PROBLEM

*To move cylindrical products vertically within a restricted floor area.*

It is often a problem to move products from one level to another using as little floor space as possible. With a vertical conveyor the handling sometimes can be a problem, specially when handling small light products. Also in some cases the floor space is limited and it is important to keep the “changeover” time to a minimum. In such cases a more compact system is required which saves floor space and has a shorter adjusting time.



### SOLUTION

The solution is to use the FlexLink elevator which takes up a minimum of floor space which also smoothly and easily moves products vertically up and down with the principal of “zero falling” height.

The elevator can handle cylindrical products with a diameter of 15-52 mm. The elevator can lift several products at a time with a maximum length of 250 mm.



### BENEFITS

The FlexLink elevator for cylindrical products is compact and saves floor space. The precise and reliable function makes it possible, for example, to easily create an operator passage in the production channel at the same time sacrificing a minimum of floor space. The elevator is easy to adjust when changing production which ensures a short changeover time. Personnel protection creates a safe environment for those working around the elevator. Cleaning around the elevator is very simple as the unit is supported



by a single stand to the floor and there is a gap below the enclosure. Stability is ensured in that the elevator is also attached to the FlexLink conveyor.

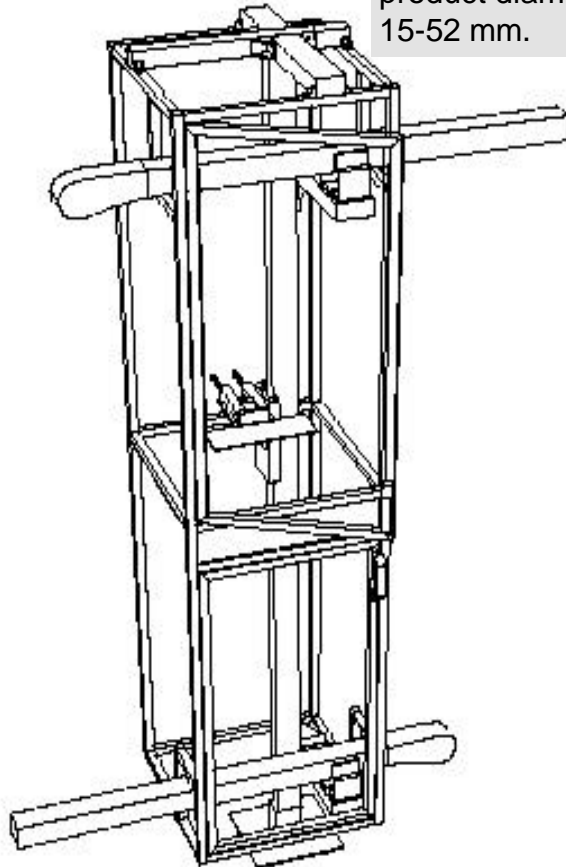
The main benefits of this unit are its smooth, reliable and positive handling, as well as the minimum changeover time and space saving design.

NEXT

Elevator for  
product diameter  
15-52 mm.

## Function

A stop (3938055) in front of the elevator ensures that a line of products are always in position in the transfer tool. A cylinder pulls the tool off the conveyor and the elevator moves to another level where products are pushed back on to the next conveyor and transported out of the tooling. The elevator can return back to starting point for pick up of new products. The tool for different ring sizes is easily changed by two knobs and the new tool is fixed leaving the elevator ready for a new product. The elevator is mainly built from FlexLink XD roller unit and a (rod less) Rexroth/Mecman cylinder. The elevator is supported on a vertical beam with only one foot and fixed also to the conveyors to ensure a good stability. For operator safety the unit is built in a protective cage and the installation will also fulfil EG regulation.



## Technical Specifications

Elevator dimensions: 510 x 510 x 2200 mm  
(L x W x H)

Cycle time: 10-11 seconds (for elevating  
products in a row up to maximum of 250  
mm long.

Maximum stroke: 1400 mm.

A precise position at each stop position is  
achieved by adjustable dampers.

## Enquiries

Enquiries about the FlexLink elevator described in  
the publication can be made at your local FlexLink  
office.

The unit is assembled and tested in our workshop  
prior to delivery.

FlexLink can supply turnkey systems or deliver  
without control system.

In your enquiry please state publication no. of the  
elevator and your technical specification.

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