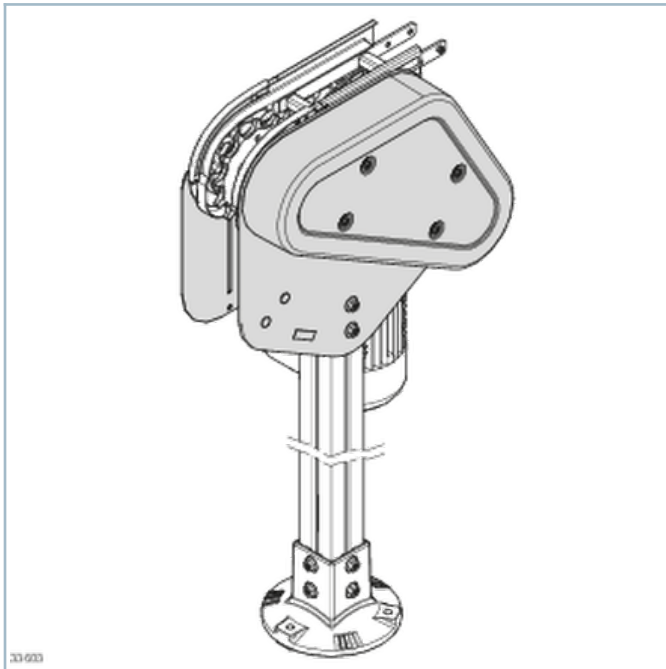


## Transmission kit



- Installation of the drive kit possible on the right/left (motor, coupling, flange)
  - Ball bearing made of non-rusting steel (1.4301), with seal on both sides and FDA-compliant grease filling
- 
- Very quiet, as transmission takes place through toothed belt

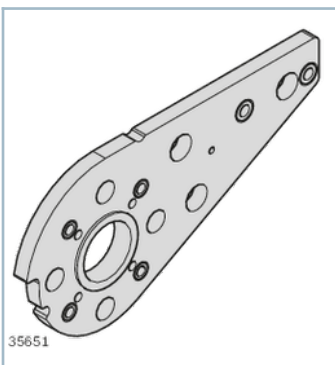
## Product description

If the available space is not sufficient for mounting the drive kit directly on the basic unit, the transmission kit also enables conversion to a transmission drive at a later date.

The basic units head drive direct and closed head drive are quickly turned into a transmission drive with variable mounting position with the transmission kit and drive kit.

- Only for AL systems
- Sizes 65, 90, 120
- Can also be used in sizes 160, 240, 320 with the additional adapter
- Permissible chain tensile force:  $F_{\max} = 1250 \text{ N}$
- Support required
- Not suitable for wet operation/cleaning
- Mounting on STS version on request

### Adapter VF*plus* transmission AL 160-320



## Technical data

|                                                   | Material                                                                                                  |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Transmission kit VF <i>plus</i>                   | Side plate: Non-rusting steel 1.4301<br>Belt: rubber compound<br>Cover: ABS<br>Connecting parts: Aluminum |
| Adapter VF <i>plus</i> transmission<br>AL 160-320 | POM<br>Non-rusting steel 1.4301                                                                           |

### Combination matrix

|             |                           | Straight                |                           |                     | Curves              |                     |                          |                     | Drives           |                   |
|-------------|---------------------------|-------------------------|---------------------------|---------------------|---------------------|---------------------|--------------------------|---------------------|------------------|-------------------|
|             |                           | Section profile AL open | Section profile AL closed | Assembly module     | Curve wheel         | Roller curve*       | Horizontal sliding curve | Vertical curve      | Head drive       | Curve wheel drive |
| Straight    | Section profile AL open   | J                       |                           |                     |                     |                     |                          |                     |                  |                   |
|             | Section profile AL closed | J                       | J                         |                     |                     |                     |                          |                     |                  |                   |
|             | Assembly module           | J                       | J                         | N                   |                     |                     |                          |                     |                  |                   |
| Curves      | Curve wheel               | J                       | J                         | L <sup>(2)</sup>    | L <sup>(2)</sup>    |                     |                          |                     |                  |                   |
|             | Roller curve*             | J                       | N                         | J                   | N                   | L <sup>(1)</sup>    |                          |                     |                  |                   |
|             | Horizontal sliding curve  | J                       | J                         | J                   | J                   | N                   | L <sup>(1)</sup>         |                     |                  |                   |
|             | Vertical curve            | J                       | J                         | J                   | J                   | L <sup>(1)</sup>    | L <sup>(1)</sup>         | L <sup>(1)</sup>    |                  |                   |
| Drives      | Head drive                | J                       | J                         | L <sup>(2)</sup>    | L <sup>(2)</sup>    | L <sup>(1, 4)</sup> | L <sup>(1)</sup>         | L <sup>(1, 4)</sup> | N                |                   |
|             | Curve wheel drive         | J                       | J                         | L <sup>(2)</sup>    | L <sup>(2)</sup>    | N                   | L <sup>(1)</sup>         | L <sup>(1)</sup>    | N                | N                 |
|             | Connection drive          | J                       | J                         | L <sup>(2)</sup>    | L <sup>(2)</sup>    | N                   | L <sup>(1)</sup>         | L <sup>(1)</sup>    | N                | N                 |
|             | Center drive (STS)**      | L <sup>(5)</sup>        | L <sup>(5)</sup>          | L <sup>(2, 5)</sup> | L <sup>(2, 5)</sup> | N                   | L <sup>(1, 5)</sup>      | L <sup>(1, 5)</sup> | N                | N                 |
| Return Unit | Basic unit                | J                       | J                         | L <sup>(2)</sup>    | L <sup>(2)</sup>    | L <sup>(1, 4)</sup> | L <sup>(1)</sup>         | L <sup>(1, 4)</sup> | L <sup>(2)</sup> | N                 |
|             | 90° (STS)**               | L <sup>(5)</sup>        | L <sup>(5)</sup>          | L <sup>(2, 5)</sup> | L <sup>(2, 5)</sup> | N                   | L <sup>(1, 5)</sup>      | L <sup>(1, 5)</sup> | N                | N                 |
|             | Transmission kit          | N                       | N                         | N                   | N                   | N                   | N                        | N                   | J                | N                 |

J possible without restrictions \* Support profile must project 76+2 mm into the roller curve.

L possible with restrictions \*\* AL-STs adapter included in the scope of delivery.

N not possible

| Drives             |                      | Return Unit        |                 |                  |
|--------------------|----------------------|--------------------|-----------------|------------------|
| Connection drive   | Center drive (STS)** | Basic unit         | 90° (STS)**     | Transmission kit |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
|                    |                      |                    |                 |                  |
| N                  |                      |                    |                 |                  |
| N                  | N                    |                    |                 |                  |
| N                  | L <sup>2, 3)</sup>   | L <sup>2, 3)</sup> |                 |                  |
| L <sup>2, 5)</sup> | N                    | N                  | L <sup>2)</sup> |                  |
| J                  | N                    | J                  | N               | N                |

\* Support profile must project 76+2 mm into the roller curve.

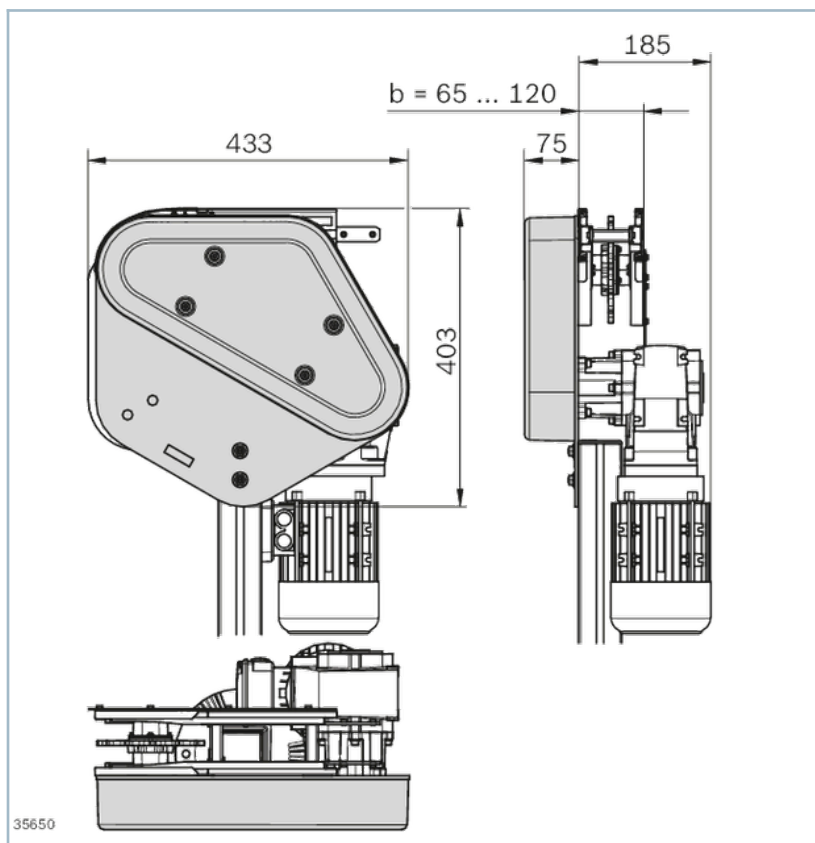
\*\* AL-STS adapter included in the scope of delivery.

- 1) Profile connector not required
- 2) Use of a profile piece (L<sub>min</sub> = 120 mm)
- 3) Assembly module required

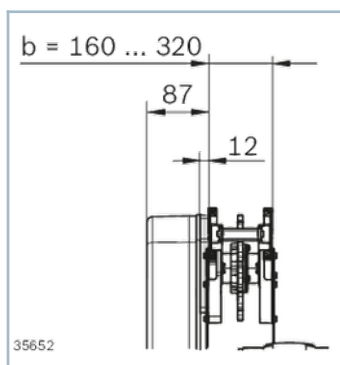
- 4) For sizes 160-320: shorten the support rail on the dotted line
- 5) Use of the AL-STS adapter

## Dimensions

Transmission kit,  $b = 65, 90, 120$



Adapter VFplus transmission AL 160-320



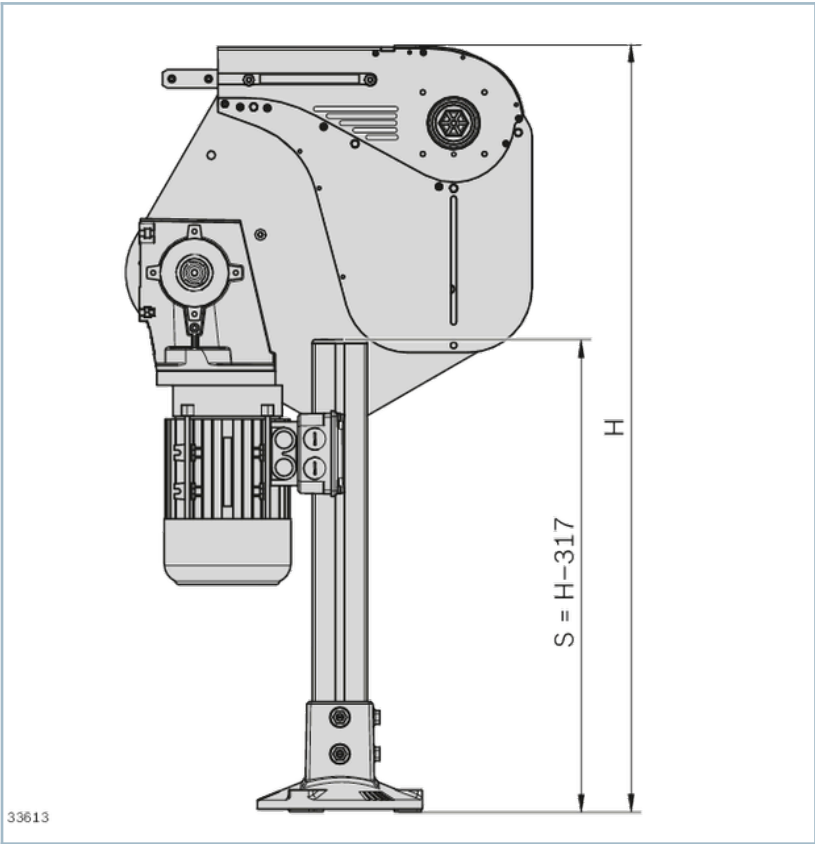
### Motor support

The support is mounted on the inside (below the chain).

**Notice:** The motor must be mounted so that there are no collisions with the support.

Transmission kit, specifications about support height

H = Transport height (top edge of chain)  
S = Support height  
L = Profile length (L = S - 15)

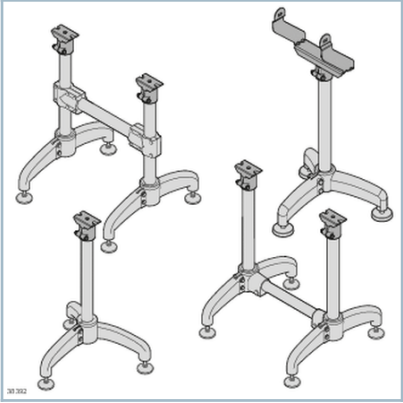


| No.        | b             |
|------------|---------------|
| 3842552900 | 65, 90, 120   |
| 3842559108 | 160, 240, 320 |

Information

**Note:** High-pressure cleaning of the ball bearings is not permitted.

Accessories



## Section support STS

- Few screwed connections
- Easy to clean thanks to ample draining surfaces
- Simple fastening of workpiece supports thanks to 10 mm profile slots in the workpiece pallet frame
- Supports can also be used in conjunction with AL sections
- Fast, simple leg set adjustment thanks to clever product details

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## Delivery notes

### Condition of Delivery

Fully assembled

### Scope of delivery

Incl. fastening material

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## Ordering codes

|                                                | No.        |
|------------------------------------------------|------------|
| Transmission kit VF <i>plus</i>                | 3842552900 |
| Adapter VF <i>plus</i> transmission AL 160-320 | 3842559108 |