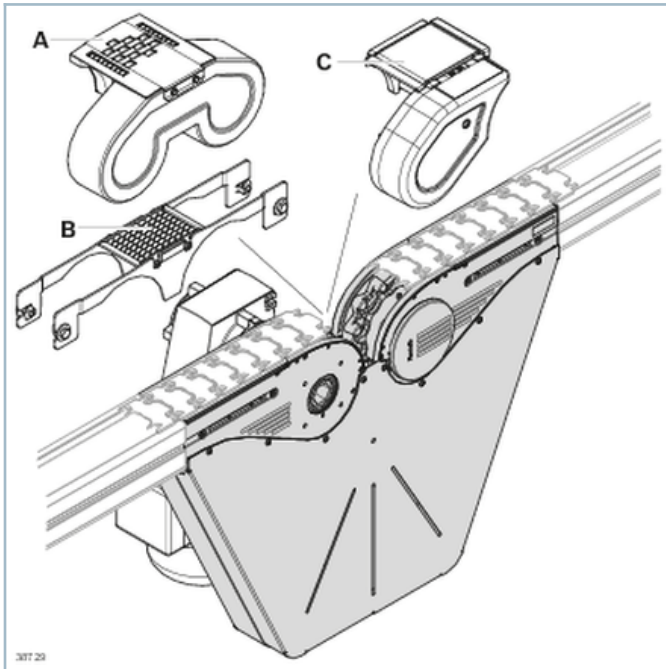
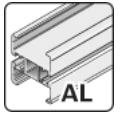


Base unit AL



- Base unit connection drive + drive kit + active or passive bridge = a complete connection drive
 - Reduced noise emission due to slide rails guided in the connection drive
 - Installation of the drive kit possible on the right/left (motor, coupling, flange)
-
- Drive of a parallel conveyor section or bridge using a hexagonal hollow shaft integrated as standard
 - Ball bearing made of non-rusting steel (1.4301), with seal on both sides and FDA-compliant grease filling
 - Side elements with slot to attach holders for lateral guides, or similar

Product description

The connection drive is used for driving the conveyor chain in circuit systems with a top-running chain. The basic unit is quickly turned into a connection drive with variable mounting position by adding a drive kit.

An active (**A, C**) or passive bridge (**B**) must be added for transferring the material being transported. The active bridge (**A, C**) is driven by a transmission from the connection drive

- Size: 65, 90
- Suitable chain types: Flat conveyor chain, static friction chain
- Permissible chain tensile force: $F_{\max} = 1250 \text{ N}$
- Section length: $L \leq 30 \text{ m}$
- Conveying speed: $v_N = 2 \dots 27 \text{ m/min}$, other speeds available on request
- Chain bag to compensate for chain elongation during service life
- Recommendation: No accumulation operation up to 1500 mm after the connection drive
- For safety reasons, only use with a closed profile
- Reversible operation not permitted
- Not permitted for wet operation or rough ambient conditions

Conveyor noise level

Technical data

	Material
Base unit VA AL, VFplus [65]	Housing: Diecast aluminum, powder-coated Chain wheel: PA Chain guide: PA Hexagonal shaft
Base unit VA AL, VFplus [90]	Up to size 160: PA From size 160: Non-rusting steel 1.4301 + PA Connector: Steel; zinc-plated Ball bearing: Non-rusting steel 1.4301/FDA

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 ⁽²⁾	L ⁽²⁾					
	Roller curve*	J	N	J	N	L ⁽¹⁾				
	Horizontal sliding curve	J	J	J	J	N	L ⁽¹⁾			
	Vertical curve	J	J	J	J	L ⁽¹⁾	L ⁽¹⁾	L ⁽¹⁾		
Drives	Head drive	J	J	L ⁽²⁾	L ⁽²⁾	L ^(1, 4)	L ⁽¹⁾	L ^(1, 4)	N	
	Curve wheel drive	J	J	L ⁽²⁾	L ⁽²⁾	N	L ⁽¹⁾	L ⁽¹⁾	N	N
	Connection drive	J	J	L ⁽²⁾	L ⁽²⁾	N	L ⁽¹⁾	L ⁽¹⁾	N	N
	Center drive (STS)**	L ⁽⁵⁾	L ⁽⁵⁾	L ^(2, 5)	L ^(2, 5)	N	L ^(1, 5)	L ^(1, 5)	N	N
Return Unit	Basic unit	J	J	L ⁽²⁾	L ⁽²⁾	L ^(1, 4)	L ⁽¹⁾	L ^(1, 4)	L ⁽²⁾	N
	90° (STS)**	L ⁽⁵⁾	L ⁽⁵⁾	L ^(2, 5)	L ^(2, 5)	N	L ^(1, 5)	L ^(1, 5)	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 ^{2, 3)}	L ^{2, 3)}		
L ^{2, 5)}	N	N	L ²⁾	
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_{min} = 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

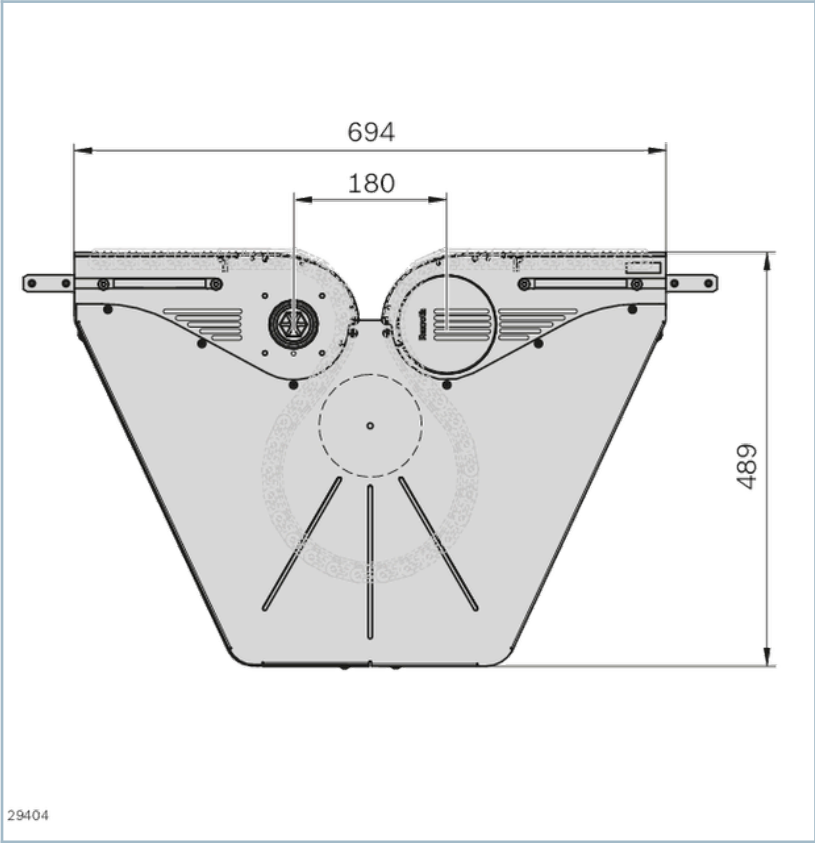
Actual chain and sliding rail lengths of the components

		Actual chain length	Effective sliding rail length
		m	m
Base unit VA AL, VFplus [65]	3842547712	1,51	4x 0,2
Base unit VA AL, VFplus [90]	3842547713		

-
Transport and nominal speed vN

Dimensions

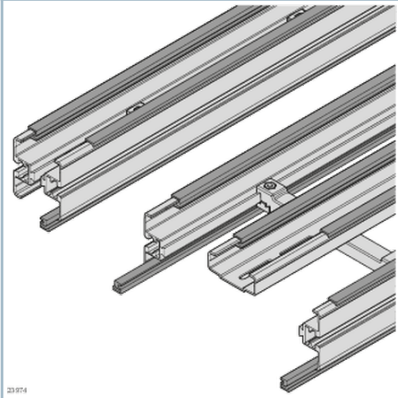
Base unit connection drive AL



Information

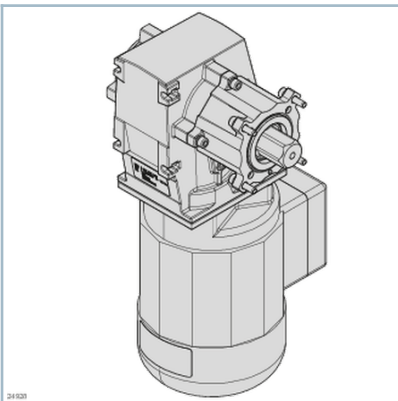
Note: High-pressure cleaning of the ball bearings is not permitted.

Accessories



Slide rail

- Easy assembly - simply clip onto the section profile
- Secured against axial shifting due to lateral bolting



Drive kit

- The adjustable ball catch coupling is protected and integrated in the flange to save space

Delivery notes

Condition of Delivery

Base unit VA AL, VFplus [65]	Fully assembled
Base unit VA AL, VFplus [90]	

Scope of delivery

Base unit VA AL, VFplus [65]	Incl. fastening material
Base unit VA AL, VFplus [90]	

Ordering codes

	No.
Base unit VA AL, VFplus [65]	3842547712
Base unit VA AL, VFplus [90]	3842547713