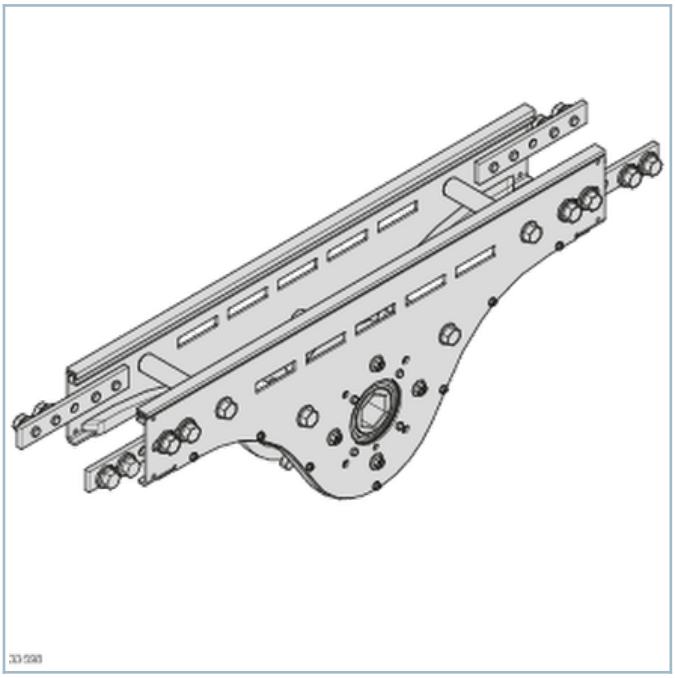
Basic unit with center drive



- Base unit center drive + drive kit = a complete center drive
- Reduced noise emission due to slide rails guided in the head 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

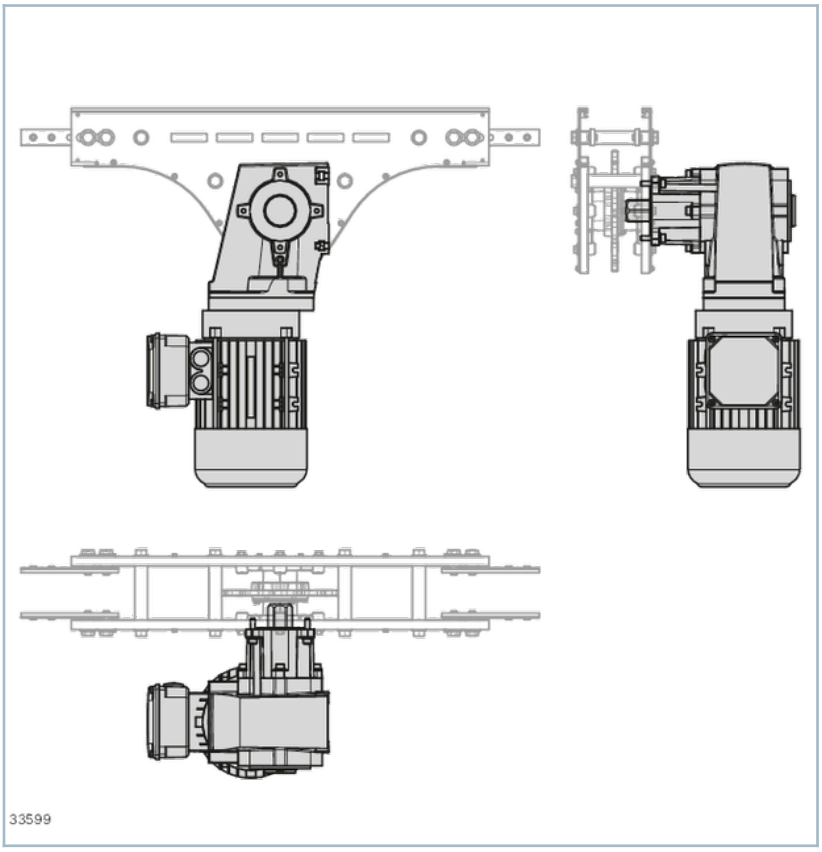
Product description

The center drive basic unit is used if the available space is limited at the ends of the sections. It is quickly turned into a center drive with variable motor mounting position by adding the drive kit

- Size: 65-120
- Chain return on the underside of the profile
- Conveying speed: vN = 2 ... 60 m/min, other speeds available on request
- Permissible chain tensile force: Fmax = 600 N
- Max. conveying length: 7 m
- Because no length compensation (chain bag) is present, the chain length must be checked regularly and shortened if necessary

- Recommendation: No accumulation up to 1000 mm after the return unit
- An assembly module is required for assembling the chain

Drive kit VF*plus*



Technical data

	Material
Basic unit center drive VF*plus* 65	Housing: Non-rusting steel 1.4301 Chain wheel: PA Chain guide: PA Connector: Non-rusting steel 1.4301 Hexagonal shaft: PA Ball bearing: Non-rusting steel 1.4301/FDA

	Material
Basic unit center drive VF*plus* 90	Housing: Non-rusting steel 1.4301 Chain wheel: PA Chain guide: PA Connector: Non-rusting steel 1.4301 Hexagonal shaft: PA Ball bearing: Non-rusting steel 1.4301/FDA
Basic unit center drive VF*plus* 120	

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

		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
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

L possible with restrictions

N not possible

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

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

Drives		Return Unit		
Connection drive	Center drive (STS)**	Basic unit	90° (STS)**	Transmission kit
N				

Drives			Return Unit	
Connection drive	Center drive (STS)**	Basic unit	90° (STS)**	Transmission kit
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.

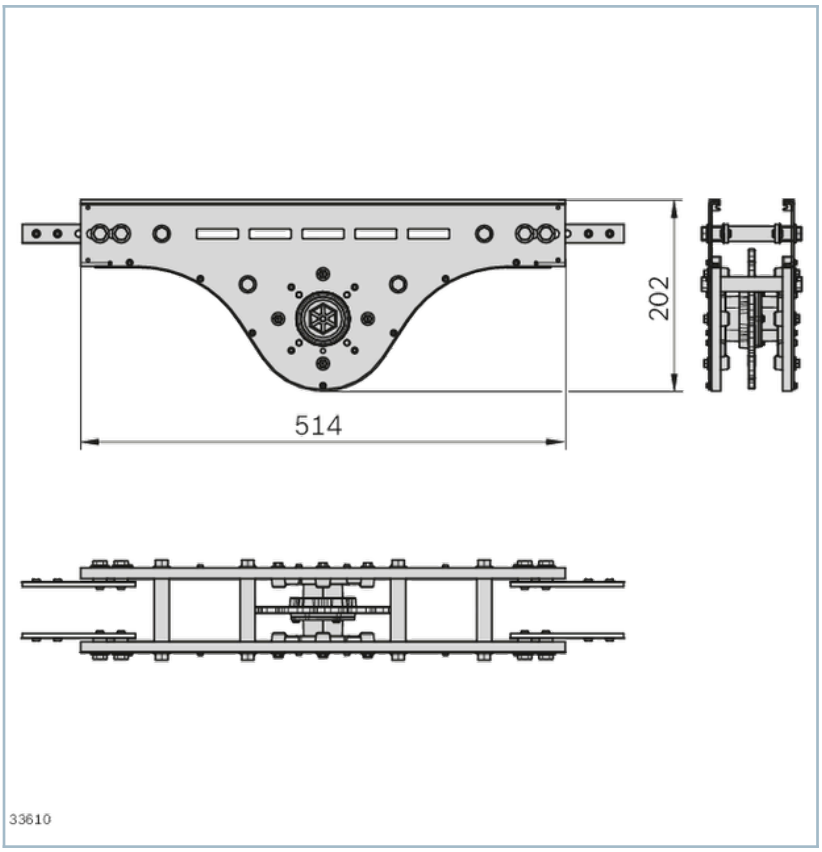
1) Profile connector not required
2) Use of a profile piece (L_{min} = 120 mm)
3) Assembly module required
4) For sizes 160-320: shorten the support rail on the dotted line
5) Use of the AL-STS adapter

Actual chain and sliding rail lengths of the components

		Actual chain length	Effective sliding rail length
		m	m
Basic unit center drive VF*plus* 65	3842552940	1,1385	2x 514
Basic unit center drive VF*plus* 90	3842552941		
Basic unit center drive VF*plus* 120	3842552942		

Dimensions

Basic unit with center drive

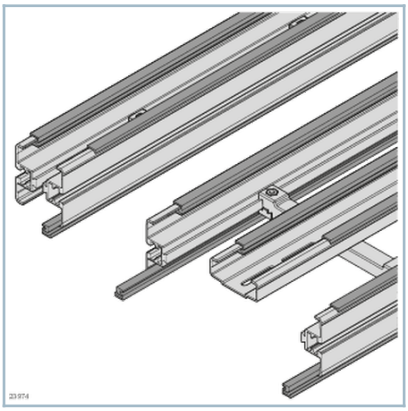


Information

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

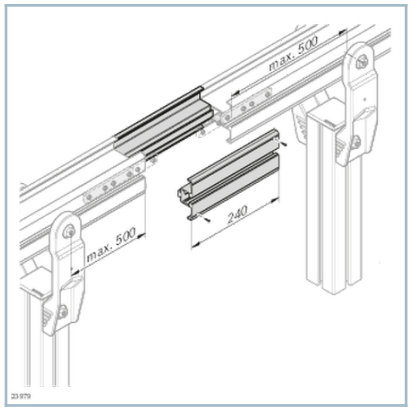
Note: The selection of the parameter SP = STS is imperative. Even if an aluminum track is used because centering is not possible on an AL flange.

Accessories



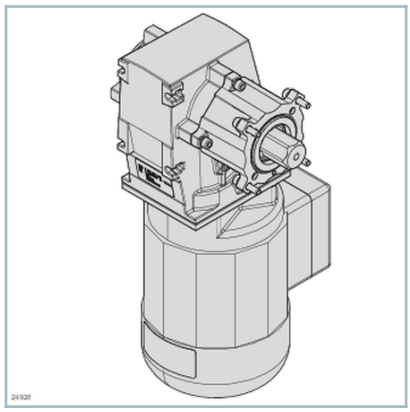
Slide rail

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



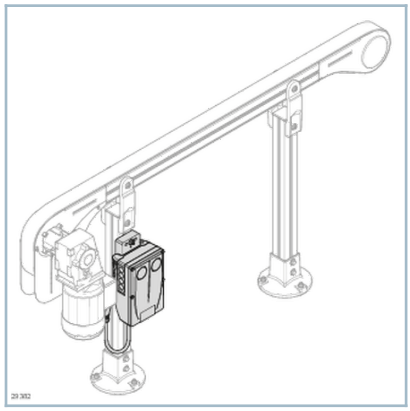
Assembly module AL

Assembly instructions



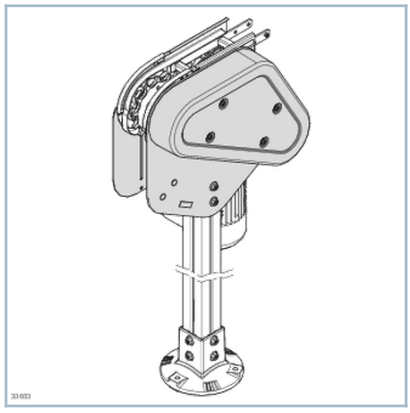
Drive kit

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



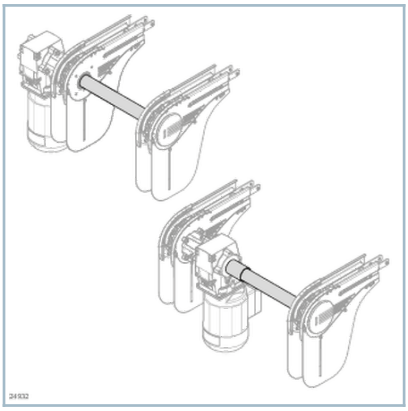
Frequency converter motec 8400

- Modular design
- Easy mounting on leg sets
- Connection to the motor by cable



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



Connection kit synchronous drive external motor/internal motor

- The connection kit for a synchronous drive is used to synchronously drive two conveyor sections with only one motor

Delivery notes

Condition of Delivery

Assembled, profile connector enclosed

Scope of delivery

Incl. fastening material

Ordering codes

	No.
Basic unit center drive VF*plus* 65	3842552940
Basic unit center drive VF*plus* 90	3842552941
Basic unit center drive VF*plus* 120	3842552942