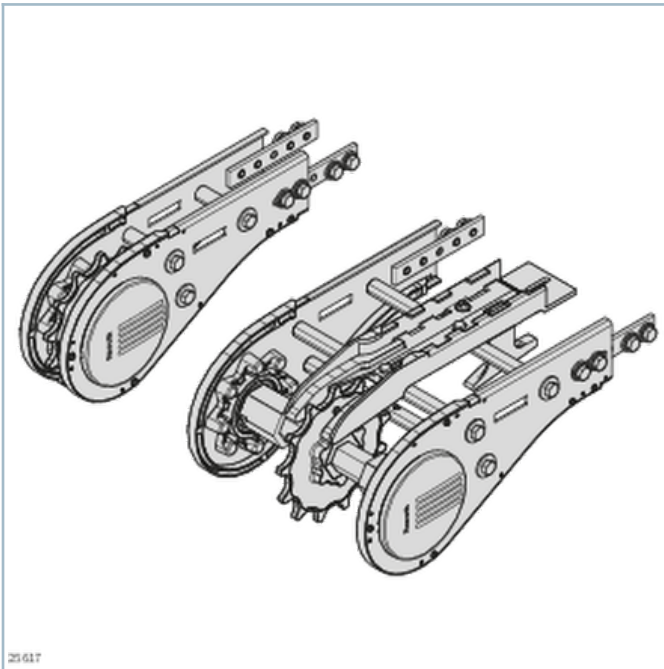
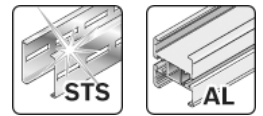


Return unit STS



- Reduced noise emission due to slide rails guided in the return unit
 - 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
 - Implementation of parallel sections possible through a pluggable shaft
 - Side elements with mounting option for attaching holders for lateral guides, or similar

Product description

Thanks to the innovative drive concept, the return unit can be operated simply by itself or supplemented with a drive kit to be operated as a head drive without chain bag. The section length is limited to a maximum of 7 m.

- Size: all track widths
- Suitable chain types: all
- Permissible chain tensile force

→Return unit function: $F_{\max} = 1250 \text{ N}$

→Head drive function without chain bag: $F_{\max} = 600 \text{ N}$

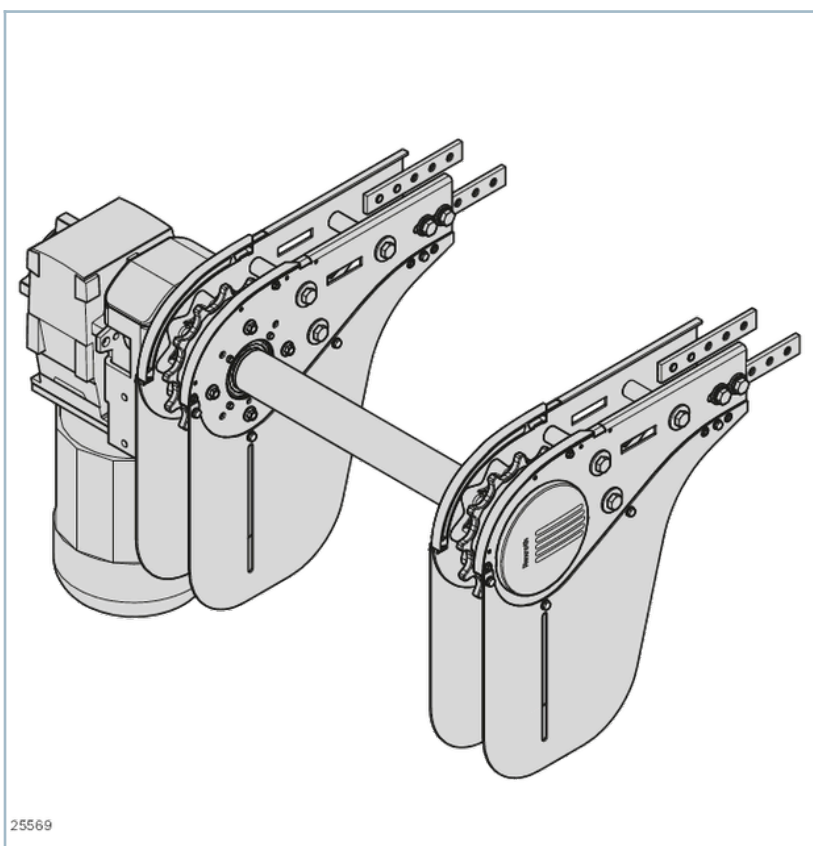
→With shortened maintenance interval, due to chain elongation

- Section length for return unit function: $L \leq 30 \text{ m}$

→Section length for drive function: $L \leq 7 \text{ m}$

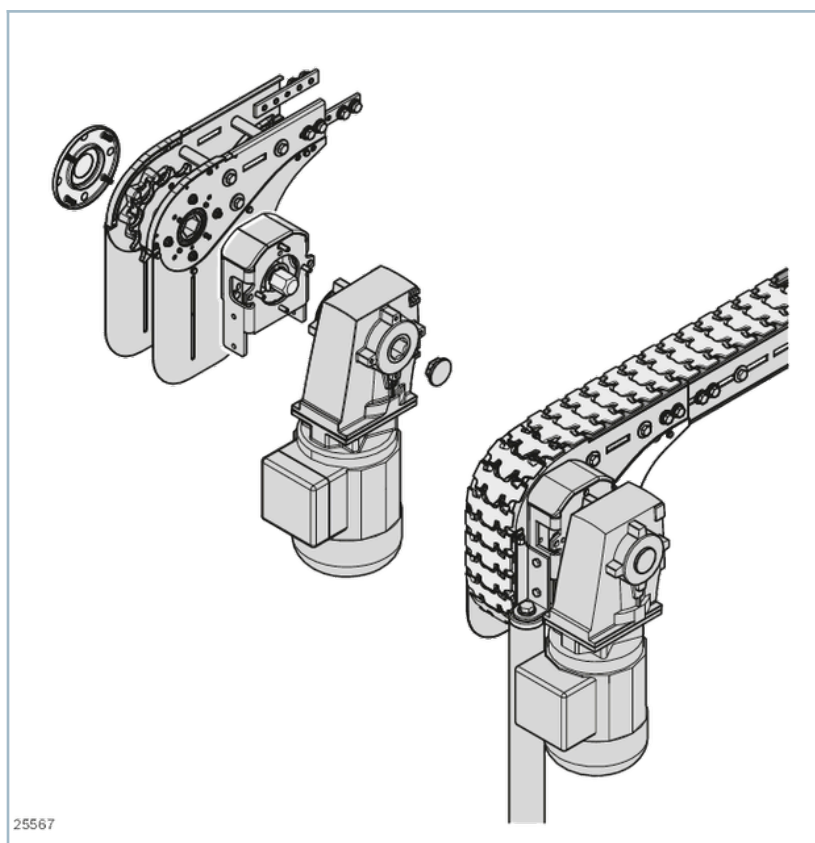
- Conveying speed: $v_N = 2\text{-}60 \text{ m/min}$, other speeds available on request
- Use in combination with the drive kit as a wedge conveyor drive
- Not suitable for reversible operation

The standard drives are easy to couple and enable straightforward implementation of multi-track systems

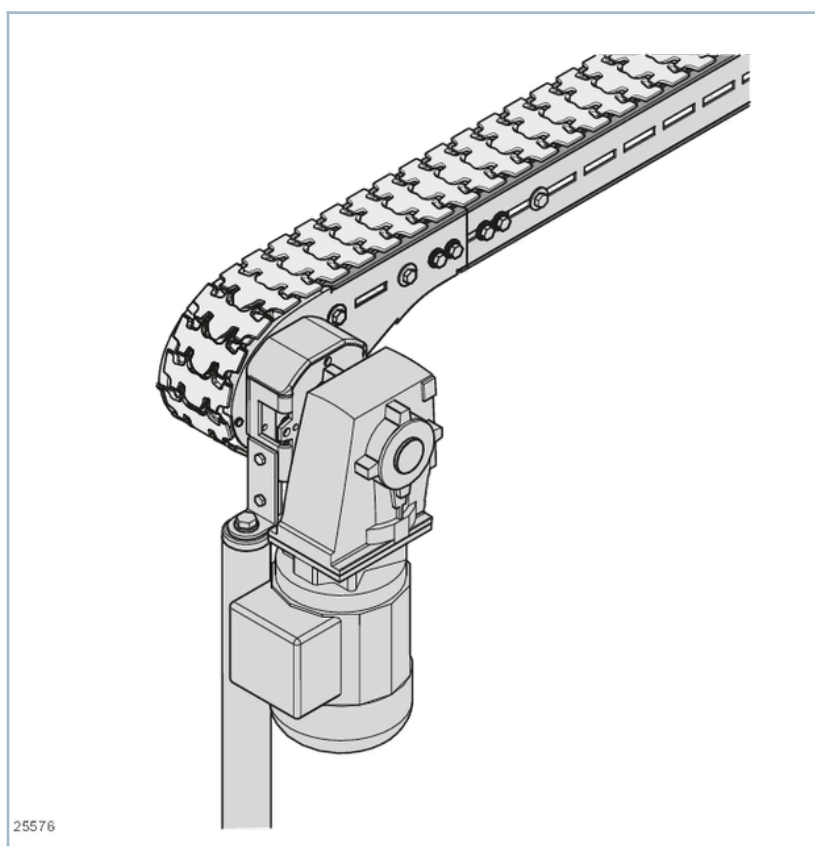


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Complete drive consisting of head drive direct and configurable drive kit



Complete drive consisting of return unit and configurable drive kit



Technical data

	Material
Return unit STS; VFplus 65	Chain wheel: PA Chain guide: PA Hexagonal shaft Up to size 160: PA From size160: Non-rusting steel 1.4301 + PA Ball bearing: Non-rusting steel 1.4301/FDA Housing: Non-rusting steel 1.4301 Connector: Non-rusting steel 1.4301
Return unit STS; VFplus 90	
Return unit STS; VFplus 120	
Return unit STS; VFplus 160	
Return unit STS; VFplus 240	

	Material
Return unit STS; VFplus 320	Chain wheel: PA Chain guide: PA Hexagonal shaft Up to size 160: PA From size160: Non-rusting steel 1.4301 + PA Ball bearing: Non-rusting steel 1.4301/FDA Housing: Non-rusting steel 1.4301 Connector: Non-rusting steel 1.4301

Combination matrix

		Straight			Curves			Drives			Return Unit
		Section profile STS open	Section profile STS Clean	Assembly module	Curve wheel	Roller curve*	Vertical curve	Head drive	Connection drive	Center drive**	Basic unit
Straight	Section profile STS open	J									
	Section profile STS Clean	L ⁽⁶⁾	L ⁽⁶⁾								
	Assembly module	J	L ⁽⁶⁾	N							
Curves	Curve wheel	J	L ⁽⁶⁾	J	L ^(2, 7)						
	Roller curve*	J	N	J	N	L ⁽¹⁾					
	Vertical curve	J	L ⁽⁶⁾	J	L ⁽¹⁾	L ⁽¹⁾	L ⁽¹⁾				
Drives	Head drive	J	L ⁽⁶⁾	J	L ⁽¹⁾	L ^(1, 4)	L ^(1, 4)	N			
	Connection drive	J	L ⁽⁶⁾	J	L ⁽¹⁾	N	L ⁽¹⁾	N	N		
	Center drive**	J	L ⁽⁶⁾	J	L ⁽¹⁾	N	L ⁽¹⁾	N	N	N	
Return Unit	Basic unit	J	L ⁽⁶⁾	J	L ⁽¹⁾	L ^(1, 4)	L ^(1, 4)	L ⁽¹⁾	L ⁽¹⁾	L ^(1, 3)	L ^(1, 3)
	90° **	J	L ⁽⁶⁾	J	L ⁽¹⁾	N	L ⁽¹⁾	L ⁽¹⁾	L ⁽¹⁾	N	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

Return Unit

90° **

L ¹⁾

*

Support

** AL-STS adapt

--

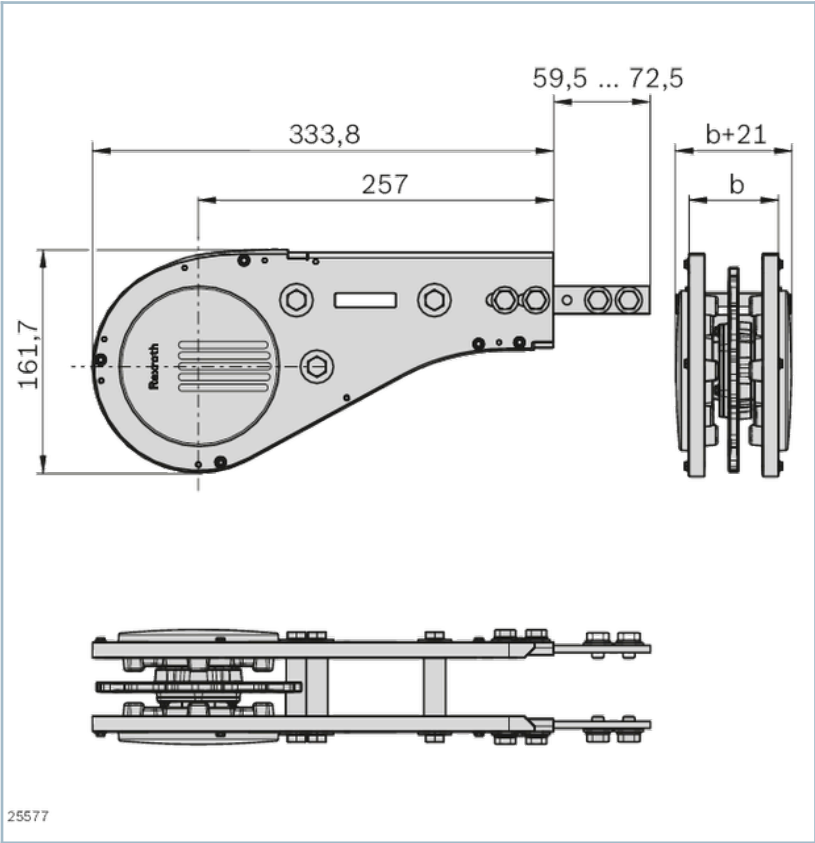
- 1) Profile connector not required
- 2) Use of a profile piece (L_{min} = 224 mm)
- 3) Assembly module required
- 4) For sizes 160-320: shorten the support rail on the dotted line
- 5) Use of the AL-STS adapter
- 6) Replace the standard profile connector with STS Clean Section profile connector
- 7) Directly possible with left-right change (one profile connector is no longer required)

Actual chain and sliding rail lengths of the components

		Actual chain length	Effective sliding rail length
		m	m
Return unit STS; VFplus 65	3842547528	0,742	2x 0,2
Return unit STS; VFplus 90	3842547529		
Return unit STS; VFplus 120	3842547530		
Return unit STS; VFplus 160	3842547531		4x 0,2
Return unit STS; VFplus 240	3842547532		
Return unit STS; VFplus 320	3842547533		

Dimensions

Return unit STS

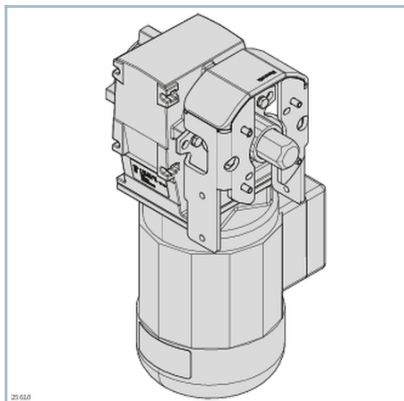


Accessories

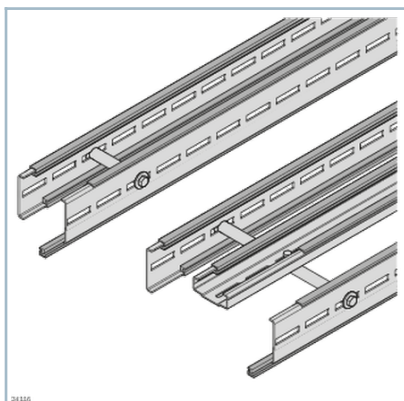
Required accessories

Slide rail

For use as a drive: Assembly module Drive kit Motor support

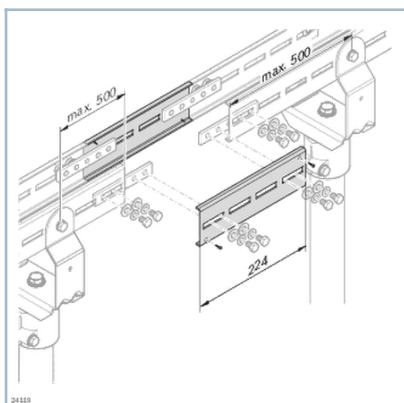


Drive kit



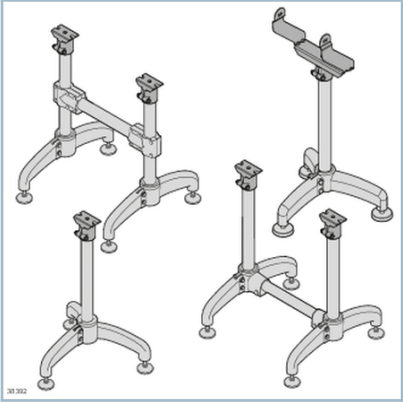
Slide rail

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



Assembly module

[PDF](#) Assembly instructions



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

Delivery notes

Condition of Delivery

Assembled, connector enclosed

Scope of delivery

Incl. fastening material

Ordering codes

	No.
Return unit STS; VFplus 65	3842547528
Return unit STS; VFplus 90	3842547529
Return unit STS; VFplus 120	3842547530
Return unit STS; VFplus 160	3842547531
Return unit STS; VFplus 240	3842547532
Return unit STS; VFplus 320	3842547533