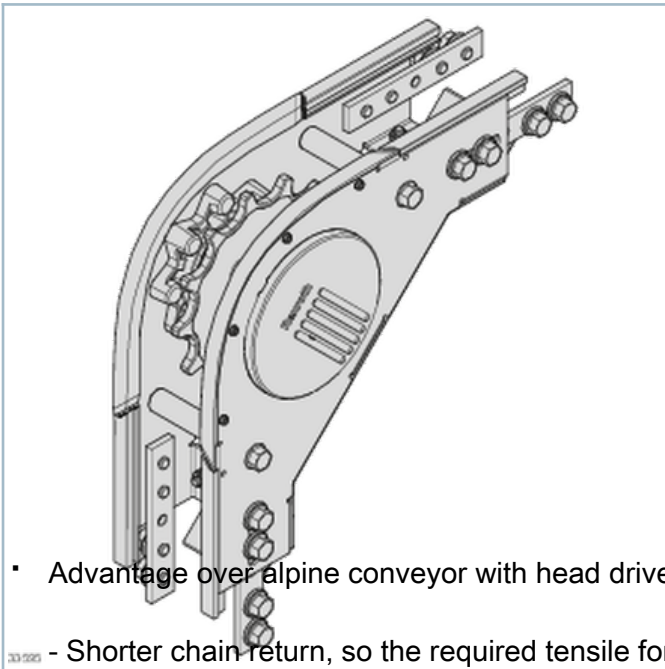


90° return unit



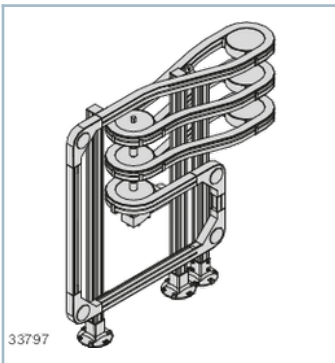
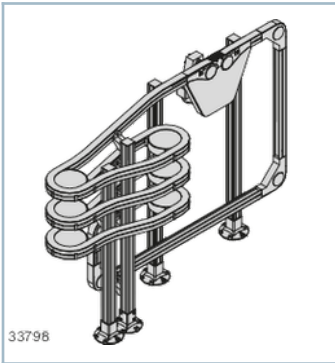
- Advantage over alpine conveyor with head drive:

- Shorter chain return, so the required tensile force of the conveyor chain is lower and therefore the possible volume of the alpine conveyor is larger
- No longer necessary to mount the slide rails required for the chain return on the bottom side of the profile

Product description

For building alpine conveyors with chain running only on the upper side.

- Only for use with:
 - Connection drive (AL and STS)
 - Drive kit, curve wheel AL (parameter AC = 1)
- Size: 65, 90
- Section length for return unit: $L_{\max} = 30 \text{ m}$
- Chain tensile force for drive: max. 600 N
- Alpine conveyor for curve wheel drive or connection drive



Technical data

	Material
Return unit 90°; VFplus 65	Housing: Non-rusting steel 1.4301 Chain wheel: PA Chain guide: PA
Return unit 90°; VFplus 90	Connector: Non-rusting steel 1.4301 Hexagonal shaft: PA 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.

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- 1) Profile connector not required
- 2) Use of a profile piece (L_{min} = 120 mm)
- 3) Assembly module required

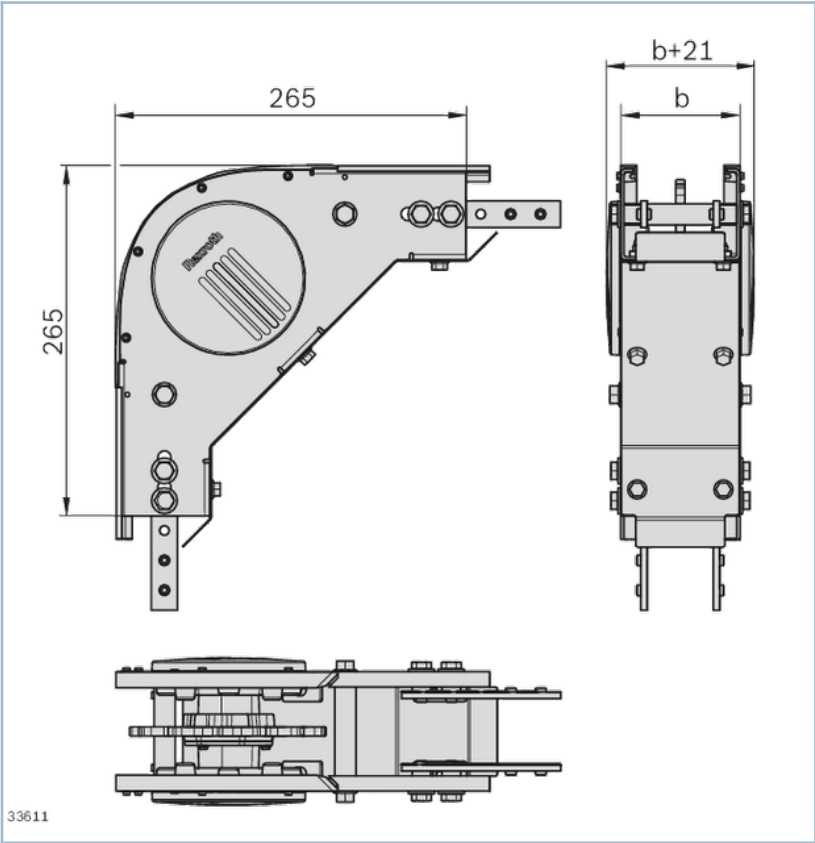
- 4) For sizes 160-320: shorten the support rail on the dotted line
- 5) Use of the AL-STS adapter

Actual chain and sliding rail lengths of the components

		Actual chain length	Effective sliding rail length
		m	m
Return unit 90°; VF <i>plus</i> 65	3842552984	0,483	4x 117
Return unit 90°; VF <i>plus</i> 90	3842552985		

Dimensions

90° return unit



Information

Note: When using conveyor systems without a returning chain, a cover must be mounted by the customer to ensure personal safety.

Delivery notes

Condition of Delivery

Fully assembled

Scope of delivery

Incl. fastening material

For AL systems: Adapter AL-ST5

Ordering codes

		No.
Return unit 90°; VF <i>plus</i> 65	1	3842552984
Return unit 90°; VF <i>plus</i> 90	1	3842552985