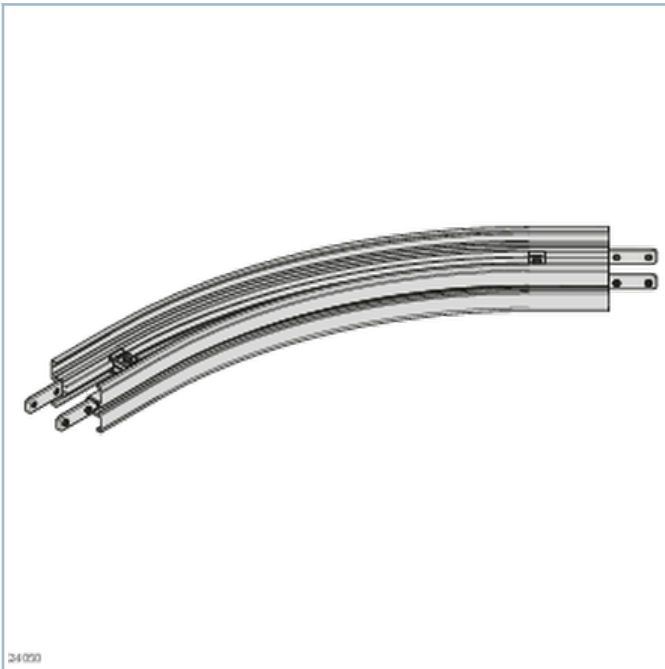
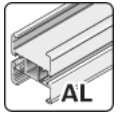


Sliding curve horizontal AL



- The sliding curve provides a horizontal change in direction for the chain, for when there is not enough space for a curve wheel or the speeds or product dimensions do not permit conveying over a curve wheel

Product description

The sliding curve is used to reduce noise at high speeds or when transporting long products in wedge conveyors. The chain tensile force is increased through the ensuing friction.

- Size: 65, 90, 120
- Deflection angles and radii (other deflection angles and radii on request)
- Suitable chain types: All
- Version with open section profiles
- Requires the use of the 'Advanced' or 'Premium' sliding rails
- Use in abrasive environments is not permissible

Technical data

	Material
Sliding curve horizontal AL VFplus 65 30°	Profile: Aluminum; anodized Profile connector: Steel; zinc-plated Cross connector: Diecast aluminum
Sliding curve horizontal AL VFplus 65 45°	
Sliding curve horizontal AL VFplus 65 90°	
Sliding curve horizontal AL VFplus 90 45° R500	
Sliding curve horizontal AL VFplus 90 90° R500	
Sliding curve horizontal AL VFplus 90 30° R700	
Sliding curve horizontal AL VFplus 90 45° R700	
Sliding curve horizontal AL VFplus 90 90° R700	
Sliding curve horizontal AL VFplus 120 30°	
Sliding curve horizontal AL VFplus 120 45°	
Sliding curve horizontal AL VFplus 120 90°	

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

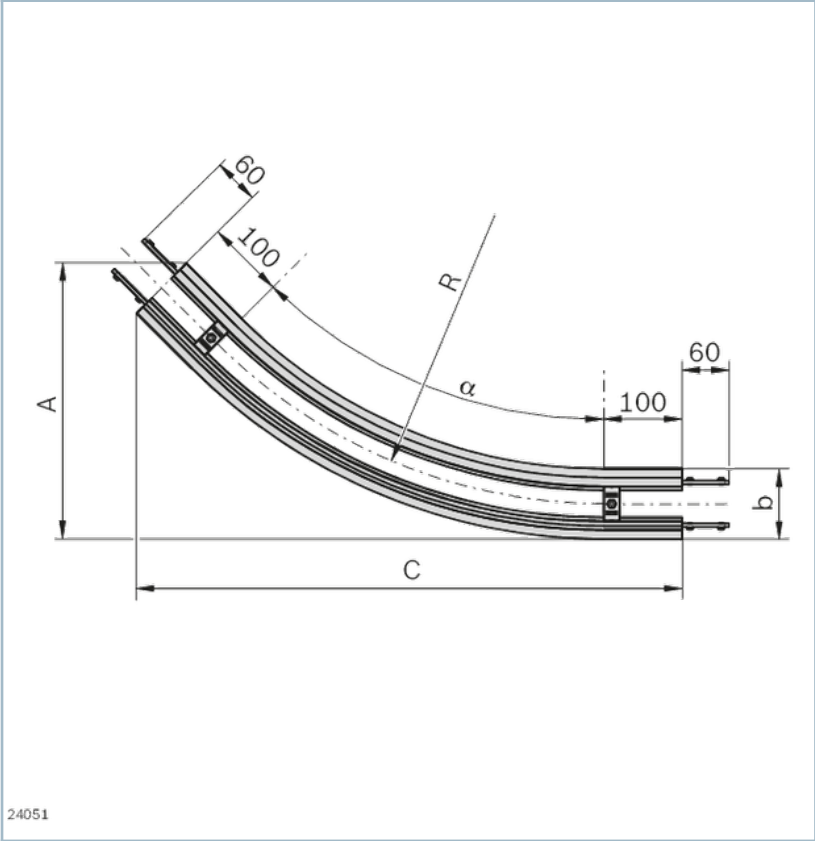
- 4) For sizes 160-320: shorten the support rail on the dotted line
- 5) Use of the AL-STS adapter

Actual chain and sliding rail lengths of the components

		Actual chain length	Effective sliding rail length
		m	m
Sliding curve horizontal AL VFplus 65 30°	3842547072	2x 0,56	4x 0,56
Sliding curve horizontal AL VFplus 65 45°	3842547073	2x 0,75	4x 0,75
Sliding curve horizontal AL VFplus 65 90°	3842547074	2x 1,3	4x 1,3
Sliding curve horizontal AL VFplus 90 45° R500	3842547075		
Sliding curve horizontal AL VFplus 90 90° R500	3842547076		
Sliding curve horizontal AL VFplus 90 30° R700	3842547077	2x 0,56	4x 0,56
Sliding curve horizontal AL VFplus 90 45° R700	3842547078	2x 0,75	4x 0,75
Sliding curve horizontal AL VFplus 90 90° R700	3842547079	2x 1,3	4x 1,3
Sliding curve horizontal AL VFplus 120 30°	3842547080	2x 0,56	4x 0,56
Sliding curve horizontal AL VFplus 120 45°	3842547081	2x 0,75	4x 0,75
Sliding curve horizontal AL VFplus 120 90°	3842547082	2x 1,3	4x 1,3

Dimensions

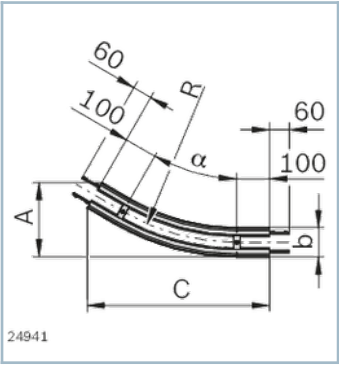
Sliding curve horizontal AL



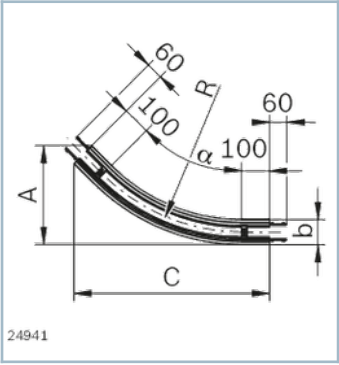
Deflection angles and radii

b	α	A	C	R
mm	°	mm	mm	mm
65	30	204.4	552.9	700
	45	331.2	688.7	700
	90	832.5	832.5	700
90	45	294	556.1	500
	90	645	645	500
	30	277.8	559.1	700
	45	352.6	697.5	700
	90	845	845	700
120	30	255.7	566.6	700
	45	378.2	708.1	700
	90	860	860	700

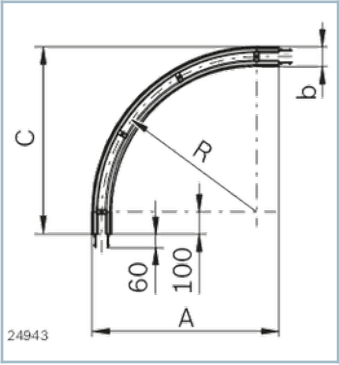
Sliding curve horizontal AL 30°



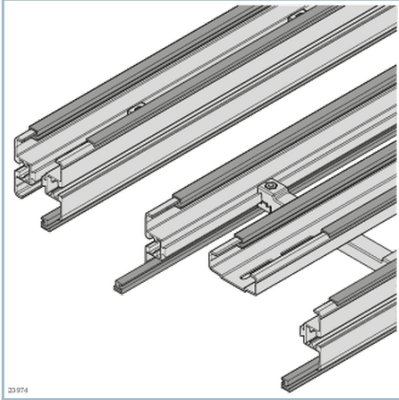
Sliding curve horizontal AL 45°



Sliding curve horizontal AL 90°



Accessories



Slide rail

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

Delivery notes

Condition of Delivery

Sliding curve horizontal AL VFplus 65 30°	Fully assembled
Sliding curve horizontal AL VFplus 65 45°	
Sliding curve horizontal AL VFplus 65 90°	
Sliding curve horizontal AL VFplus 90 45° R500	
Sliding curve horizontal AL VFplus 90 90° R500	
Sliding curve horizontal AL VFplus 90 30° R700	
Sliding curve horizontal AL VFplus 90 45° R700	
Sliding curve horizontal AL VFplus 90 90° R700	
Sliding curve horizontal AL VFplus 120 30°	
Sliding curve horizontal AL VFplus 120 45°	
Sliding curve horizontal AL VFplus 120 90°	

Scope of delivery

Sliding curve horizontal AL VFplus 65 30°	Incl. fastening material for mounting to the AL section profile
Sliding curve horizontal AL VFplus 65 45°	
Sliding curve horizontal AL VFplus 65 90°	
Sliding curve horizontal AL VFplus 90 45° R500	
Sliding curve horizontal AL VFplus 90 90° R500	
Sliding curve horizontal AL VFplus 90 30° R700	
Sliding curve horizontal AL VFplus 90 45° R700	
Sliding curve horizontal AL VFplus 90 90° R700	
Sliding curve horizontal AL VFplus 120 30°	
Sliding curve horizontal AL VFplus 120 45°	
Sliding curve horizontal AL VFplus 120 90°	

Ordering codes

	α	R	No.
	°	mm	
Sliding curve horizontal AL VFplus 65 30°	30	700	3842547072
Sliding curve horizontal AL VFplus 65 45°	45	700	3842547073
Sliding curve horizontal AL VFplus 65 90°	90	700	3842547074
Sliding curve horizontal AL VFplus 90 45° R500	45	500	3842547075
Sliding curve horizontal AL VFplus 90 90° R500	90	500	3842547076
Sliding curve horizontal AL VFplus 90 30° R700	30	700	3842547077
Sliding curve horizontal AL VFplus 90 45° R700	45	700	3842547078
Sliding curve horizontal AL VFplus 90 90° R700	90	700	3842547079
Sliding curve horizontal AL VFplus 120 30°	30	700	3842547080
Sliding curve horizontal AL VFplus 120 45°	45	700	3842547081
Sliding curve horizontal AL VFplus 120 90°	90	700	3842547082