External venetian blinds

METALUNIC® V / METALUNIC V SINUS®	7
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Metalunic® V / Metalunic V Sinus®

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LIMIT DIMENSIONS

Single blind

Operation	Width min. (bk)	Width[1] max. (bk)	Height min. (hl)	Height max. (hl)	Surface[2] max. [m²]
Crank drive	500	2800	440	4000	6.5
Motor drive	700				8

Connected systems

Operation	Width[1] max. (bk)	Height max. (hl)	Blinds max.	Blinds per system	Surface[2] max. [m²]
Crank drive	8400	2300	3	2	5
				3	4
Motor drive[3]			4	2–4	16[4]

[1] For buildings and high-rise structures, which are exposed to high winds, this maximum value should be decreased as required. Also see wind classes data sheet.

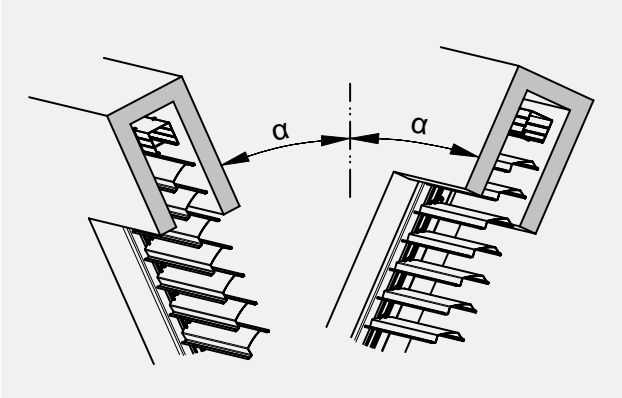
[2] If crank drive is in slat area: maximum surface area and crank position available on request.

[3] For 3 or 4 blinds, the motor should be positioned in the center.

[4] With standard motor

Inclined installation

Metalunic V Sinus®



Bracket from the vertical [α]	Width max. (bk)
max. 25°	1800

Reduce maximum loading with inclined installation by 20 %.

Protect blinds angled towards the outside from the effects of weathering (snow, ice).

Definitions of dimensions 102

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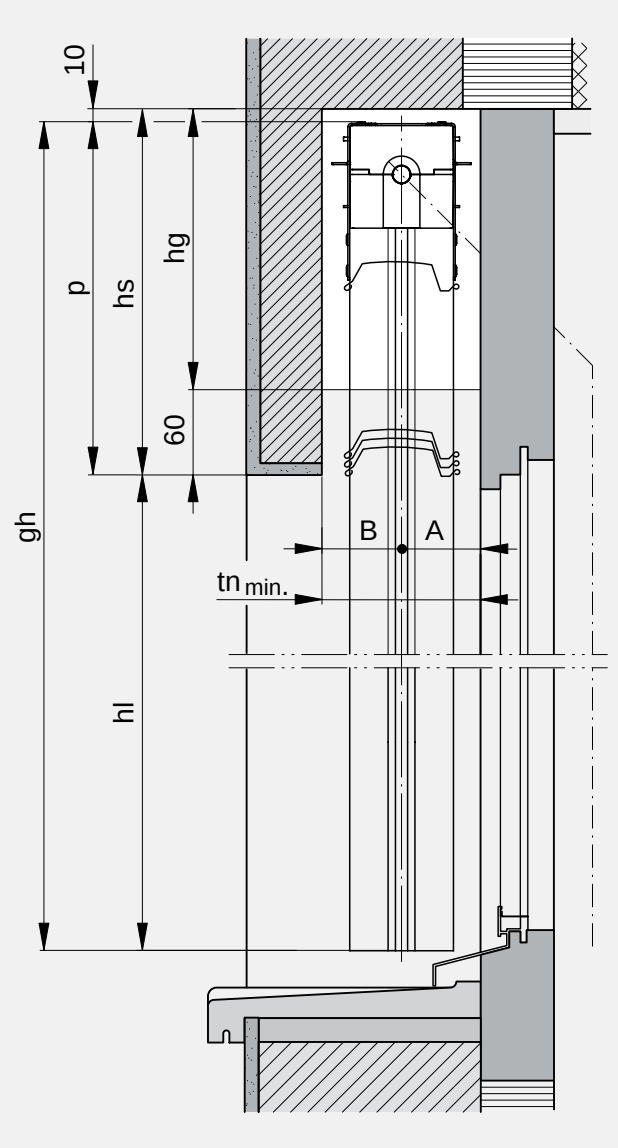
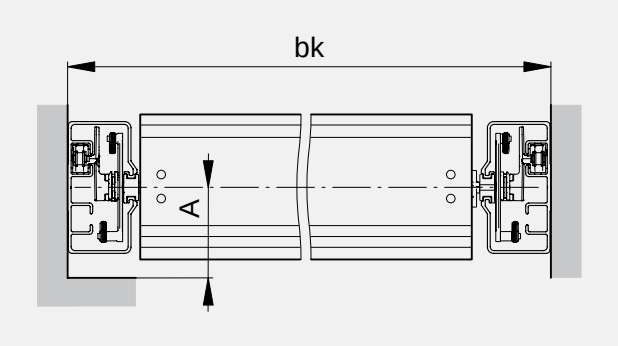
BUILT-IN SYSTEM

Vertical section: Metalunic® V

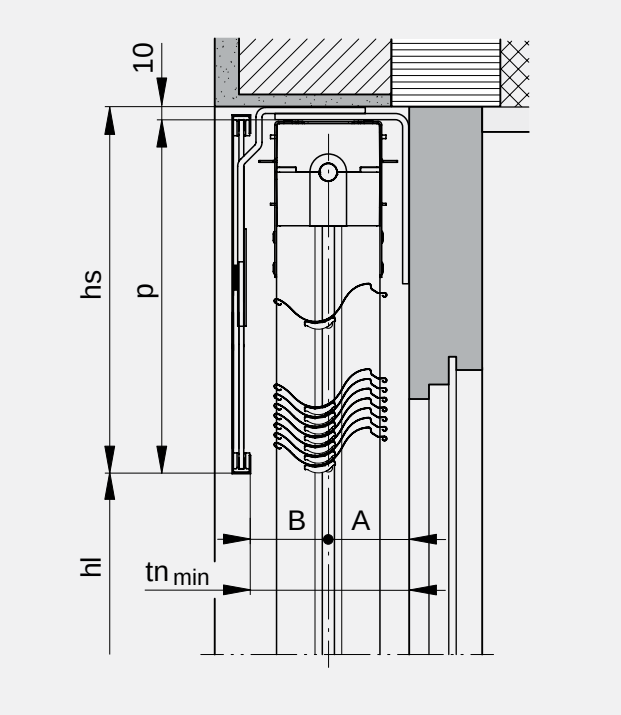


Horizontal section



BUILT-IN SYSTEM WITH COVER

Vertical section: Metalunic V Sinus®



Sections / Details 12

Values for A, B and tn 10

HEADER DIMENSIONS | HEIGHT OF PACKAGE

Metalunic® V

hl →I	P min.	hs[1]	hl →I	P min.	hs[1]
1100	260	270	**2550**	410	420
1150	265	275	**2600**	420	430
1200	270	280	**2700**	425	435
1250	275	285	**2750**	435	445
1350	285	295	**2850**	440	450
1400	290	300	**2900**	450	460
1450	295	305	**3000**	460	470
1500	300	310	**3050**	465	475
1550	305	315	**3100**	470	480
1650	315	325	**3150**	475	485
1700	320	330	**3200**	480	490
1800	330	340	**3300**	490	500
1850	340	350	**3350**	500	510
1950	345	355	**3450**	505	515
2000	355	365	**3500**	515	525
2100	360	370	**3600**	520	530
2150	370	380	**3700**	530	540
2250	380	390	**3750**	540	550
2300	385	395	**3850**	545	555
2400	395	405	**3900**	555	565
2450	400	410	**3950**	560	570
2500	405	415	**4000**	565	575

tn min.	A	B
120*	60	60

Metalunic V Sinus®

hl →I	P min.	hs[1]	hl →I	P min.	hs[1]
1150	260	270	**2550**	405	415
1200	265	275	**2600**	415	425
1300	270	280	**2650**	420	430
1350	280	290	**2700**	425	435
1450	290	300	**2800**	430	440
1500	295	305	**2850**	440	450
1550	300	310	**2900**	445	455
1600	305	315	**2950**	450	460
1650	310	320	**3000**	455	465
1750	320	330	**3100**	465	475
1800	330	340	**3200**	470	480
1900	335	345	**3250**	480	490
1950	345	355	**3350**	490	500
2050	350	360	**3400**	495	505
2100	360	370	**3500**	505	515
2150	365	375	**3550**	510	520
2200	370	380	**3650**	520	530
2250	375	385	**3700**	530	540
2300	380	390	**3800**	535	545
2350	385	395	**3850**	545	555
2400	390	400	**3950**	550	560
2500	400	410	**4000**	560	570

tn min.	A	B
120*	60	60

[1] With gearbox in slat area: hs + 20.

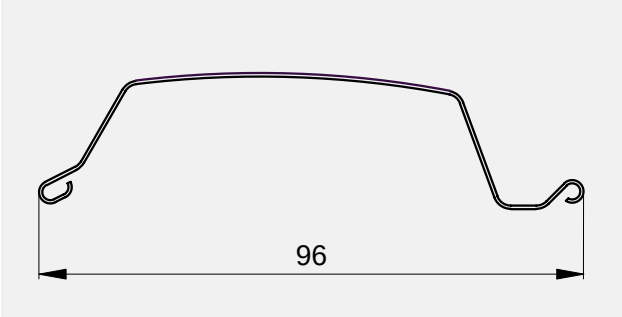
[2] Depending on the angle of the gearbox output, tn min. should be increased by 5 – 10 mm in this area.

* + possible addition for protruding weatherboard or doorknobs.

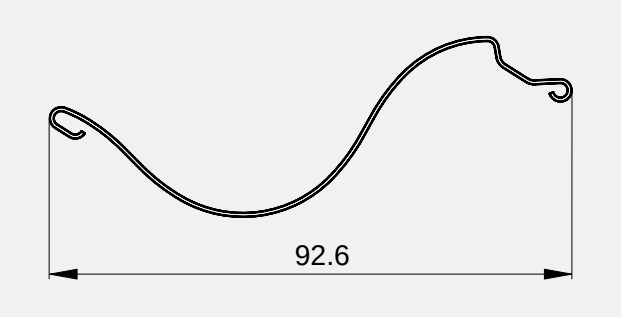
Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances. A dimensional tolerance of ±5 mm is observed for the header height.

SLAT PROFILES

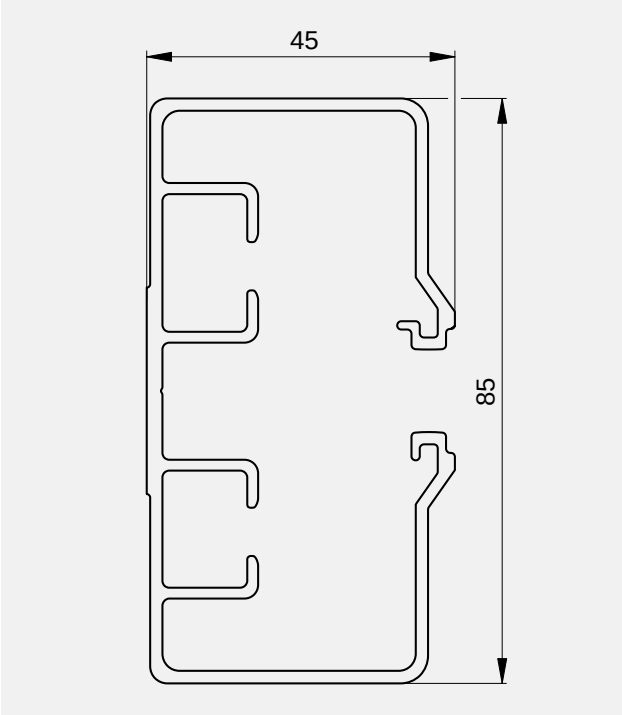
Metalunic® V



Metalunic V Sinus®



GUIDE RAIL



- Distance between guides FD 136
- Fastening points 128
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- Guide rail fastenings 111
- Guide rail cut-outs in windowsill area 124
- Integrated guides 108

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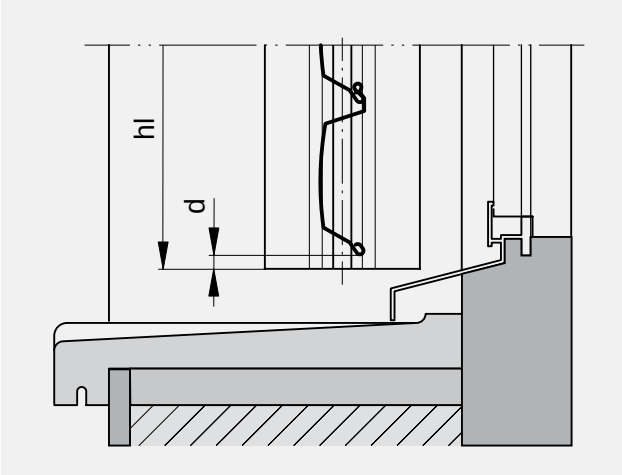
SECTIONS / DETAILS

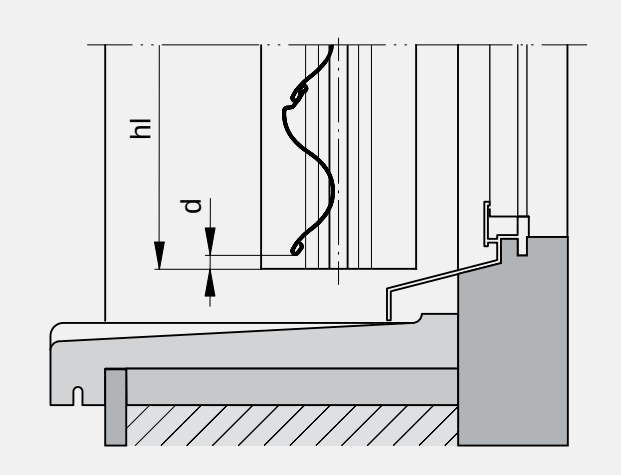
Detail for bottom: Metalunic® V



d*
6 ±5

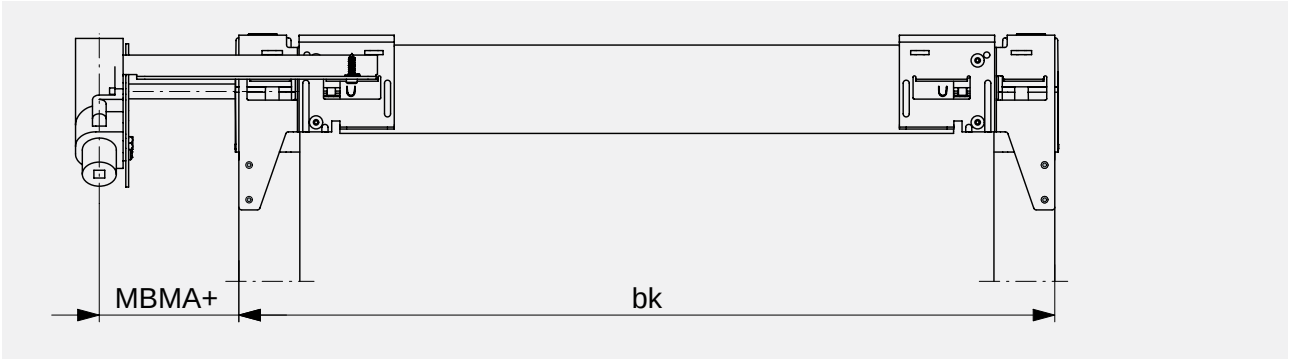
* Dimension d may vary with different blind dimensions

Detail for bottom: Metalunic V Sinus®

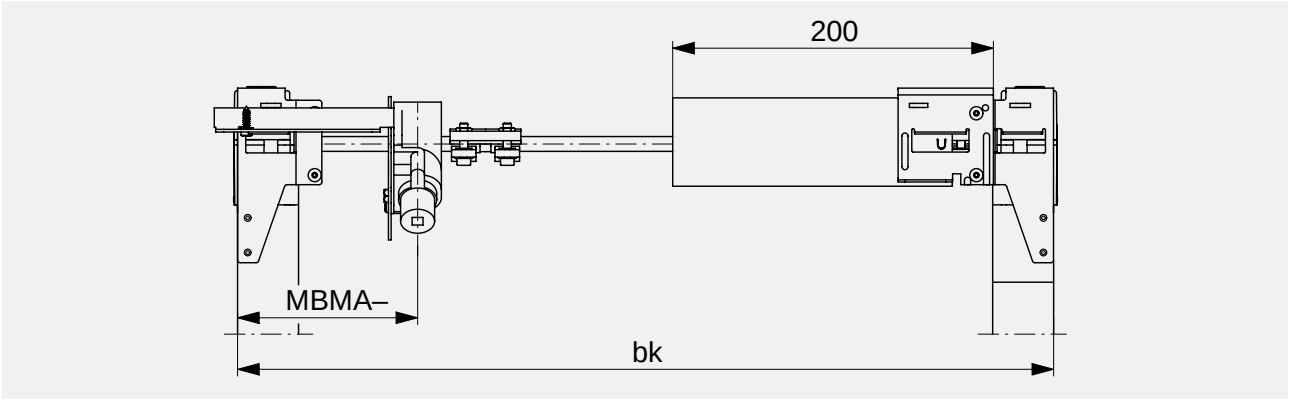


SECTIONS FOR CRANK DRIVE (MBMA)

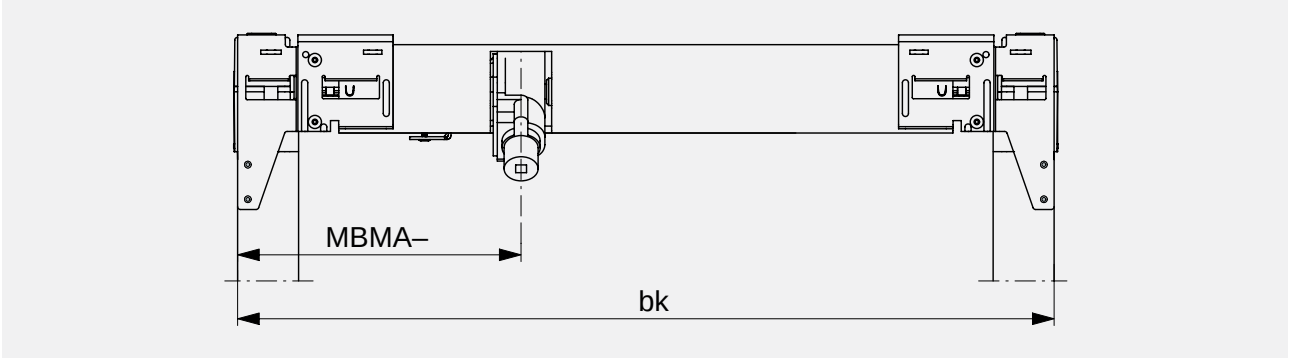
outside bk



within bk



Gearbox inside housing

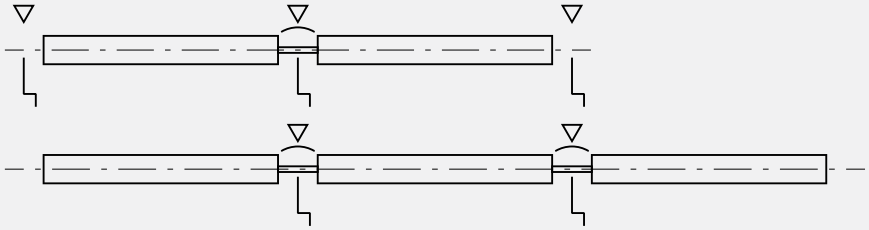


MBMA+	MBMA–
	90 … 210
25 … 160	211 … bk/2*

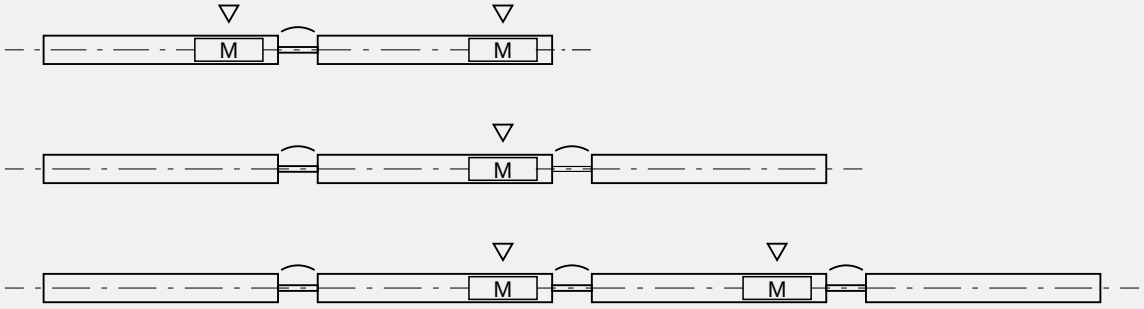
* Gearbox inside housing

CONNECTED SYSTEMS

With gearbox



With motor



▼ Standard drive position
▽ Possible drive position

Distance between guides FD 136
Opening for connected blinds 136

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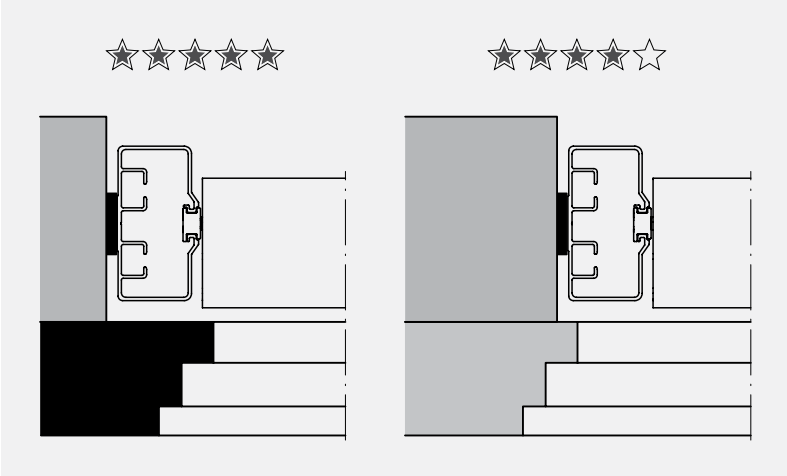
DARKENING

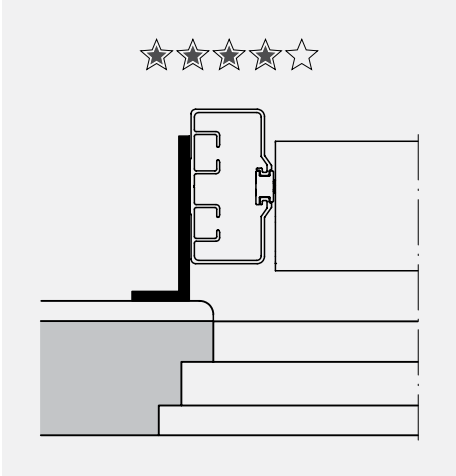
Vertical

The following measures make it possible to achieve ideal shading results:

Locate the guides outside of the clear dimension of the window glass, if possible

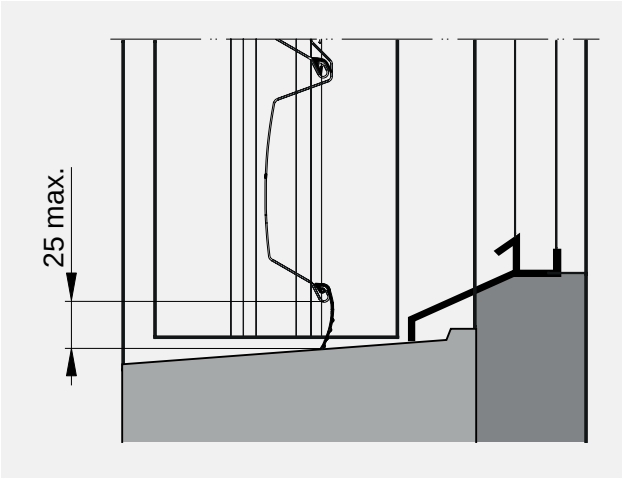


Continuous fixing bracket



Horizontal

Darkening profile



Grinotex® III / Grinotex III Sinus®

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LIMIT DIMENSIONS

Single blind

Operation	Width min. (bk)	Width[1] max. (bk)	Height min. (hl)	Height max. (hl)	Surface[2] max. [m²]
Crank drive	600 800[3]	4000	380	4250	8*
Motor drive	760 825[4]				8

Connected systems

Operation	Width[1]max. (bk)	Height max. (hl)	Blinds max.	Blinds per system	Surface[2] max. [m²]
Crank drive[5]	10000	2300	3	2	8*
				3	6.5*
Motor drive[6]			4	2	16
				3–4	24

[1] For buildings and high-rise structures, which are exposed to high winds, this maximum value should be decreased as required. Also see wind classes data sheet.

[2] If crank drive is in slat area: maximum surface area and crank position available on request.

[3] Gearbox in slat area.

[4] Motor drive with operating position.

[5] In the case of 3 connected blinds, the drive should be positioned between two blinds.

[6] For 3 or 4 blinds, the motor should be positioned in the center.

* with MBMA– on request

Definitions of dimensions 102

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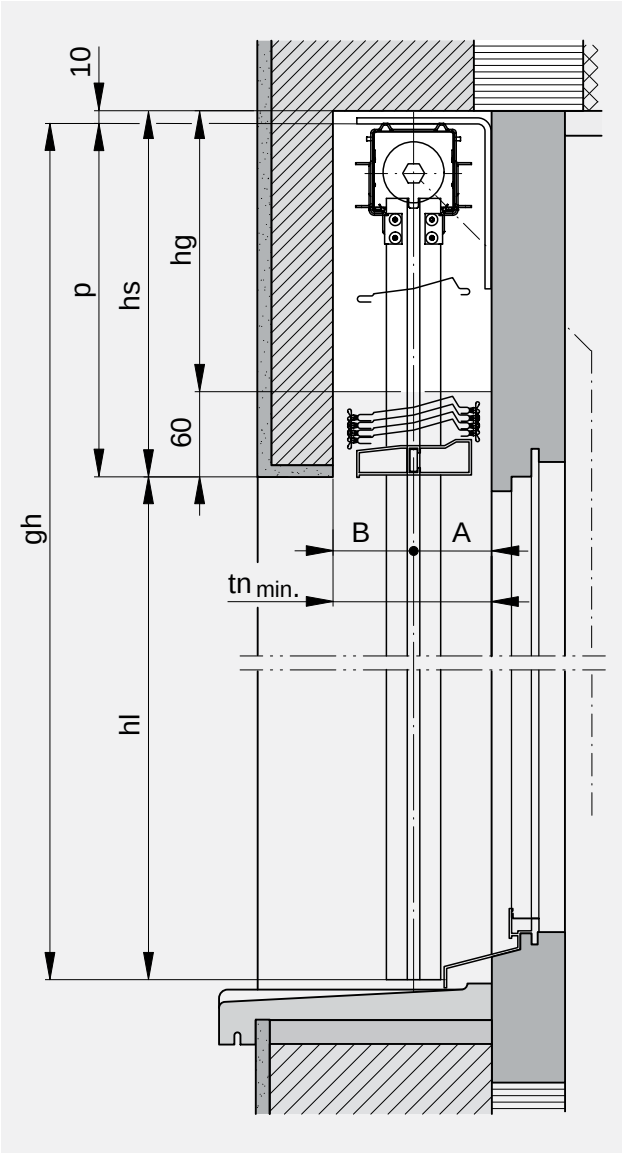
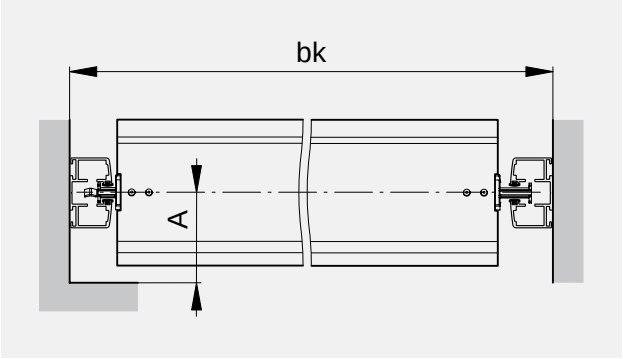
BUILT-IN SYSTEM

Vertical section

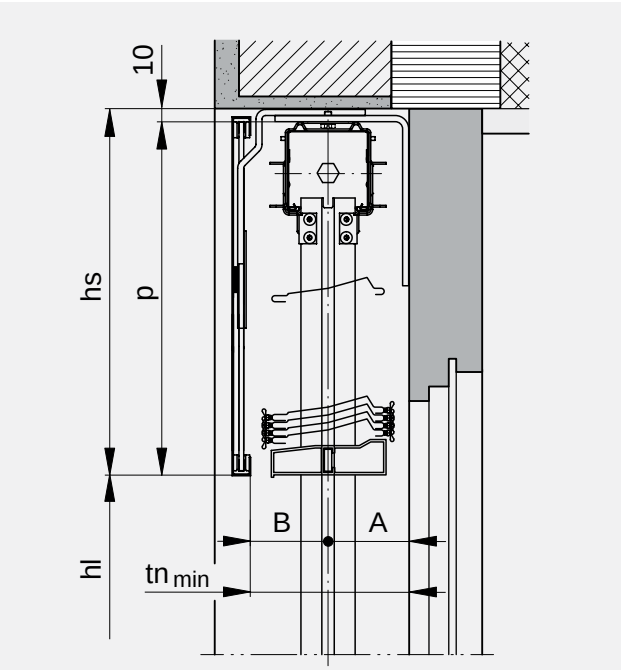


Horizontal section



BUILT-IN SYSTEM WITH COVER

Vertical section



Sections / Details 22

Values for A, B and tn 20

HEADER DIMENSIONS GRINOTEX® III

hl →		hs[1]								tn min.	A	B
	bk	2001	2251	2501	2751	3001	3250	3501	3751			
	≤2000	–2250	–2500	–2750	–3000	–3250	–3500	–3750	–4000			
1250	230	230	230	245	245	245	255	255	255			
1500	245	245	245	260	260	260	275	275	275			
1750	265	265	280	280	280	290	290	290	290			
2000	280	280	295	295	295	310	310	310	310			
2250	300	300	315	315	315	325	325	325	325			
2500	315	315	330	330	345	345	345	345				
2750	335	335	350	350	360	360				130*	65	65
3000	350	365	365	365	380							
3250	370	385	385	385								
3500	390	405	405									
3750	410	425	425									
4000	425	440										
4250	445	460										
End rail	**23mm**	**38mm**				**50mm**						

HEADER DIMENSIONS GRINOTEX III SINUS®

hl →		hs[1]								tn min.	A	B
	bk	2001	2251	2501	2751	3001	3250	3501	3751			
	≤2000	–2250	–2500	–2750	–3000	–3250	–3500	–3750	–4000			
750	230	230	230	230	230	230	235	235	235			
1000	230	230	230	240	240	240	255	255	255			
1250	245	245	245	260	260	260	270	270	270			
1500	260	260	260	275	275	275	290	290	290			
1750	285	285	300	300	300	310	310	310	310			
2000	300	300	315	315	315	330	330	330	330			
2250	320	320	335	335	335	345	345	345	345			
2500	340	340	355	355	365	365	365	365		130*	65	65
2750	355	355	370	370	380	380						
3000	380	395	395	395	405							
3250	395	410	410	410								
3500	410	425	425									
3750	430	445	445									
4000	455	470										
4250	470	485										
End rail	**23mm**	**38mm**				**50mm**						

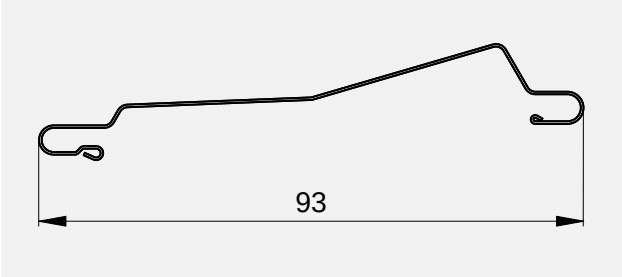
[1] With gearbox in slat area: hs + 20.

* + possible addition for protruding weatherboard or doorknobs.

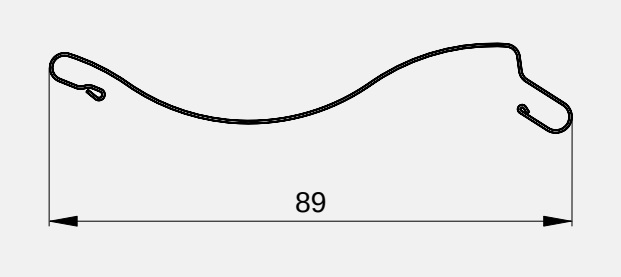
Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances. A dimensional tolerance of ±5 mm is observed for the header height.

SLAT PROFILES

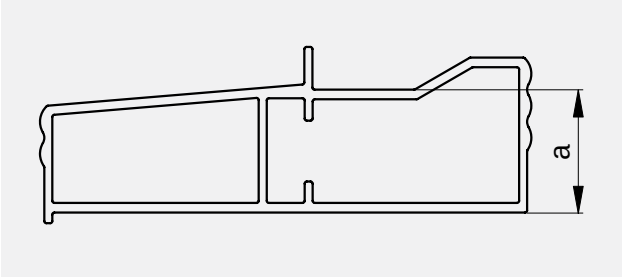
Grinotex® III



Grinotex III Sinus®

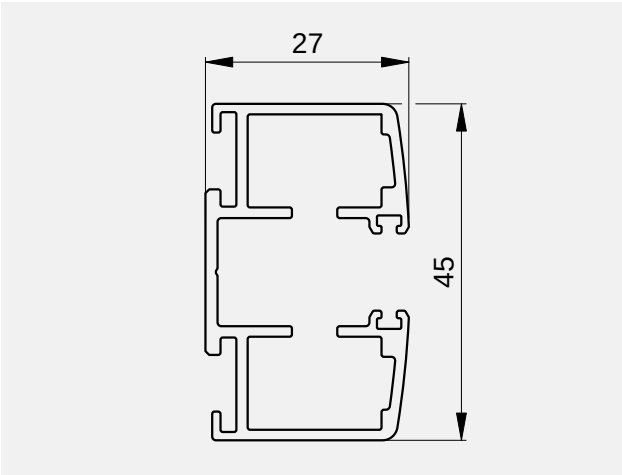


END RAIL



a
23
38
50

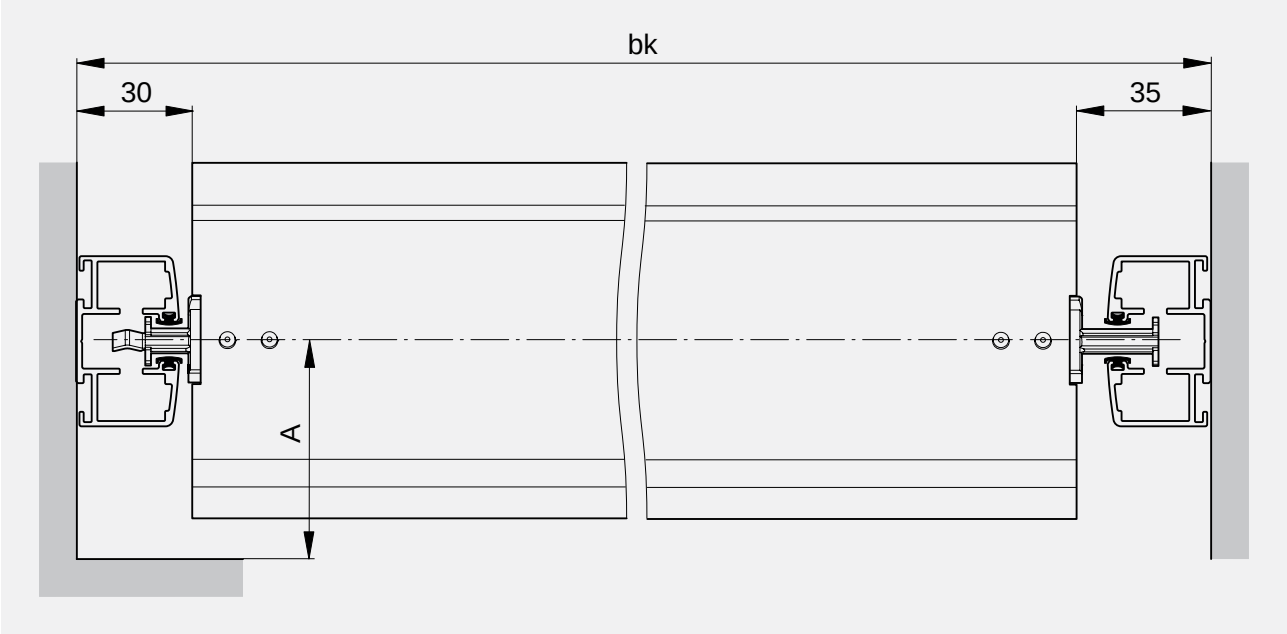
GUIDE RAIL



- Distance between guides FD 136
- Fastening points 128
- Guide extension and facet 119
- Guide rail fastenings 111
- Guide rail cut-outs in windowsill area 124
- Installation window 126
- Integrated guides 109

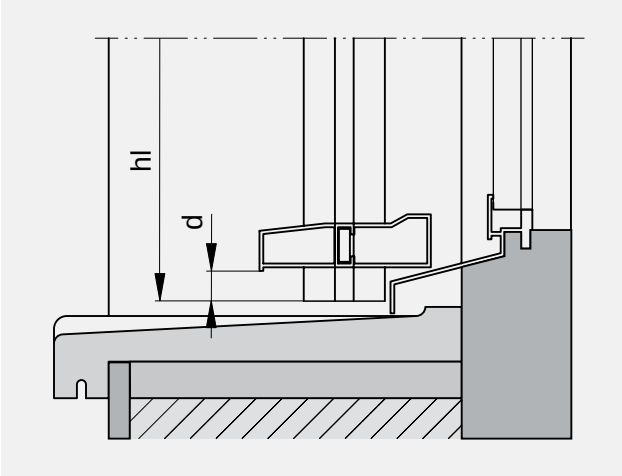
SECTIONS / DETAILS

Horizontal section



Value for A 20

Detail for bottom



d
5 – 50*

* in 5 mm steps
Standard: 20

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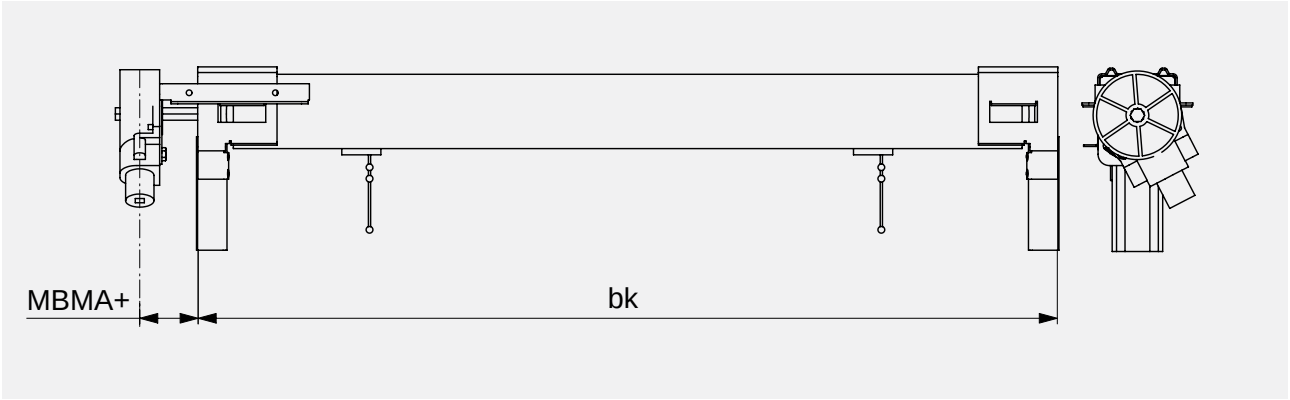
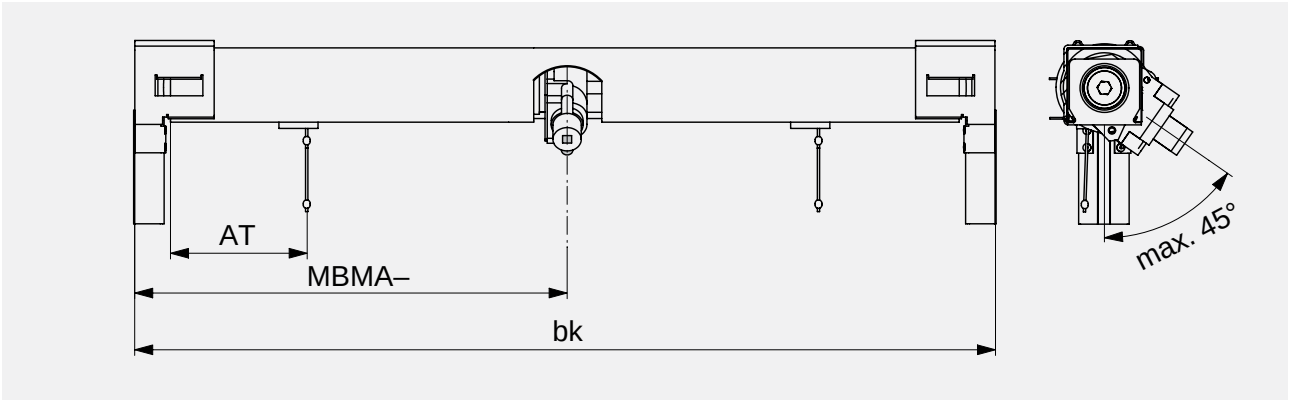
SECTIONS FOR CRANK DRIVE (MBMA)

outside bk



within bk

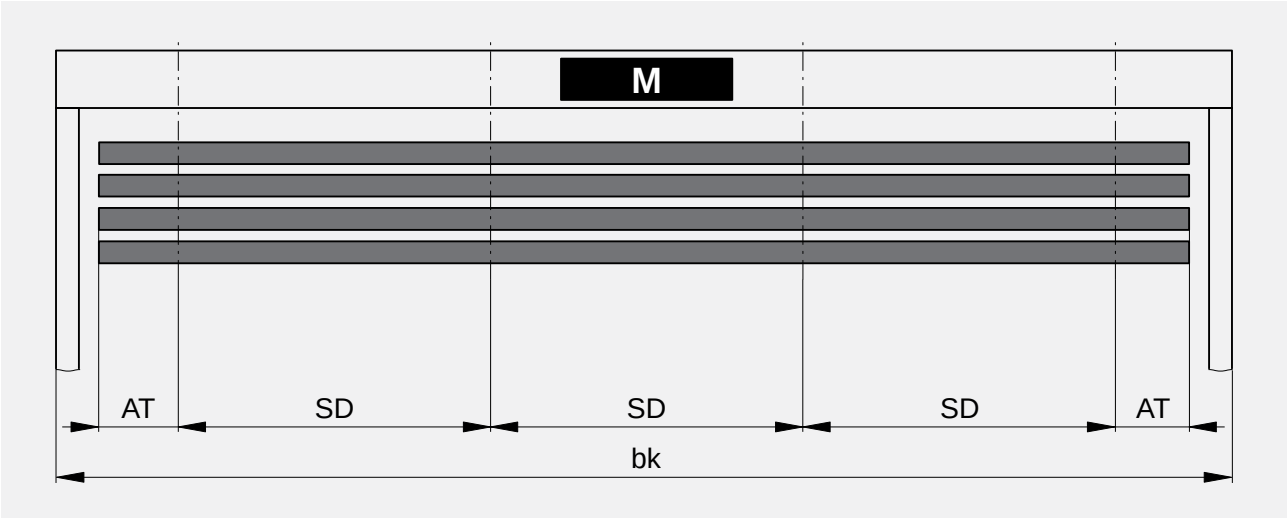


Version	MBMA+	MBMA–	Width max. (bk)	AT
without operating position	25 … 100	95 + AT … bk/2	≤ 750	100
			751 – 1000	120
			> 1000	200
with operating position		125 + AT … bk/2	≤ 750	130
			751 – 1000	130
			> 1000	200

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk	Number of bearings	Standard motor position
≤ 1290	2	
1291 – 2069	3	
2070 – 2869	4	
2870 – 3669	5	
> 3669	6	

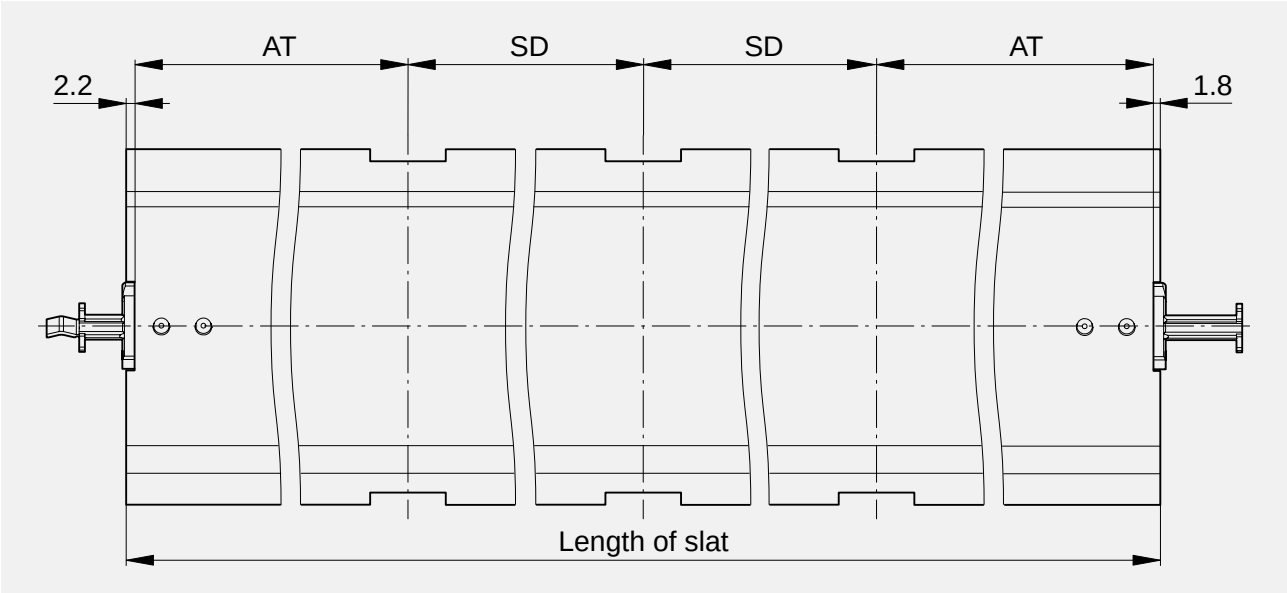
BEGINNING DISTANCE | SLOT SPACING



bk	AT min.		SD min.	SD max.
	without operating position	with operating position		
≤ 750	100	130	335*	800*
751 – 1000	120	130		
> 1000	200	200		
Special	80[1] / 250[1]	110[1] / 250[1]		

[1] on request

* Standard slot spacing machine fabrication

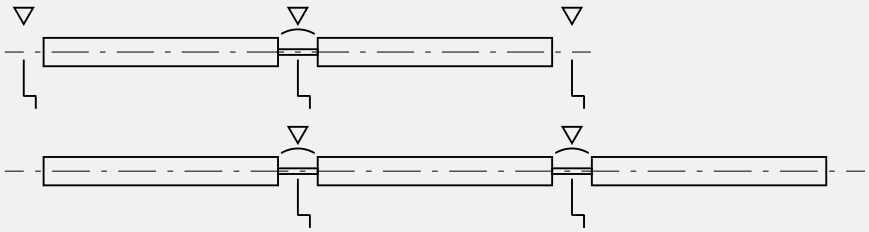


AT: Beginning distance
Distance from beginning of slat to centre of bearing

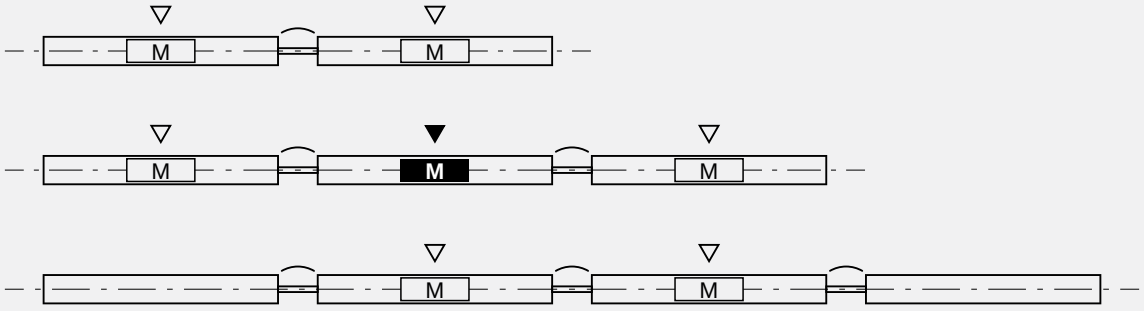
SD: Slot spacing
Distance from centre of bearing (slot) to centre of bearing (slot)

CONNECTED SYSTEMS

With gearbox



With motor



▼ Standard drive position
▽ Possible drive position

Distance between guides FD 136
Opening for connected blinds 136

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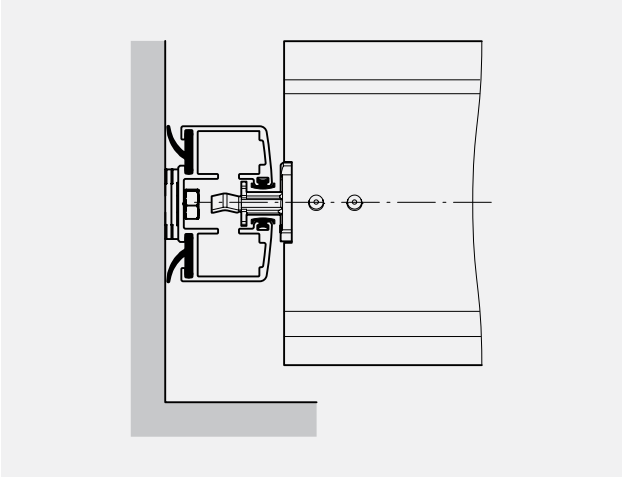
DARKENING

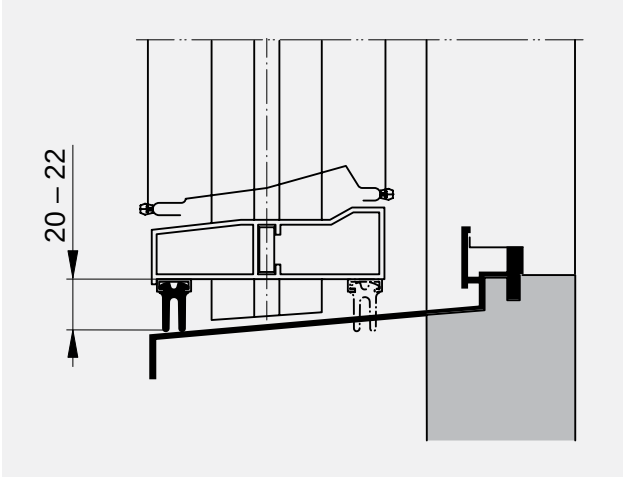
Vertical

Joint-covering profile



Horizontal

Rubber end profile



Lamisol® III

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LIMIT DIMENSIONS

Single blind

Operation	Width min. (bk)	Width[1] max. (bk)	Height min. (hl)	Height max. (hl)	Surface[2] max. [m²]
Crank drive	510* 530[5,*]	4500	400	4300	10
Motor drive	590				

Connected systems

Operation	Width[1] max. (bk)		Blinds max.	Blinds per system	Surface[2] max. [m²]
Crank drive[4]	510* 570[5,*]	10000	4	2–4	10
Motor drive[5]	590			2	16
				3–4	24

[1] For buildings and high-rise structures, which are exposed to high winds, this maximum value should be decreased as required. Also see wind classes data sheet.

[2] If crank drive is in slat area: maximum surface area and crank position available on request.

[3] A max. of 2 blinds may be connected on each side of the gearbox.

[4] For 3 or 4 blinds, the motor should be positioned in the center.

[5] Lamisol® III Fix

* with MBMA– on request

Definitions of dimensions 102

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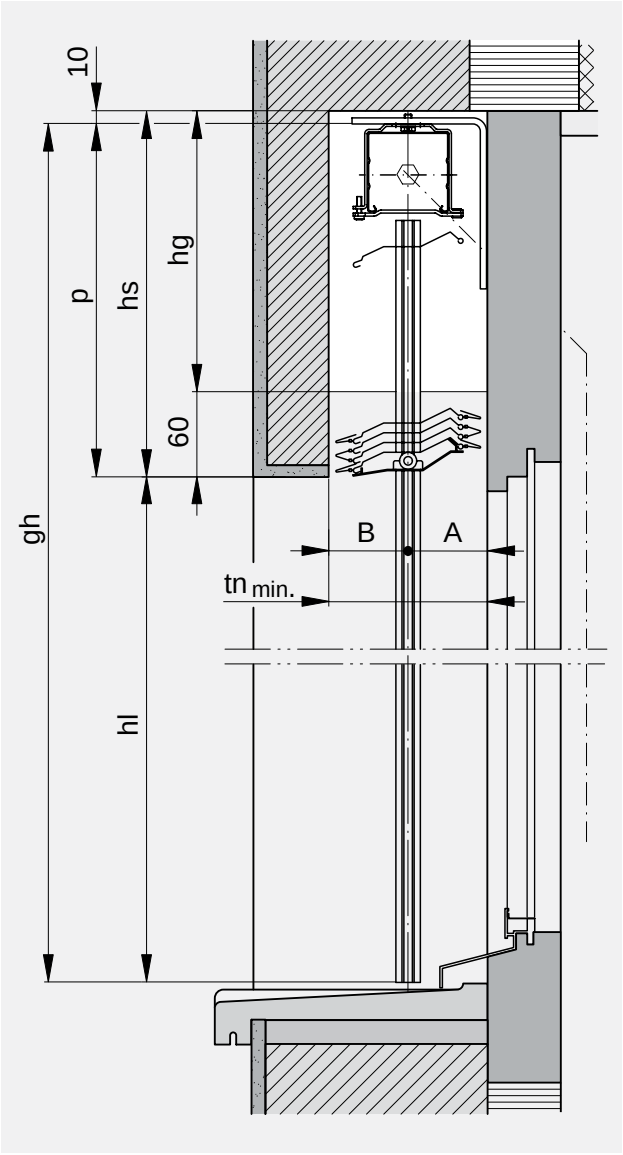
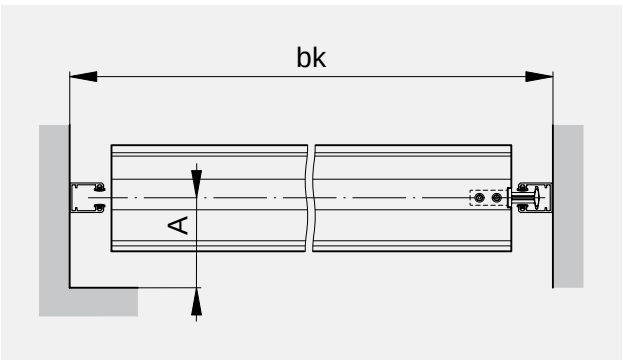
BUILT-IN SYSTEM

Vertical section: Guide rail conventional



Horizontal section: Guide rail conventional



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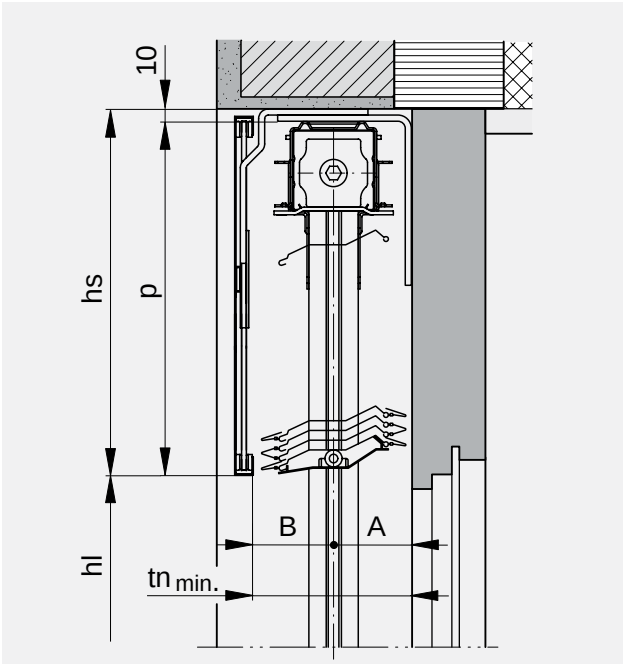
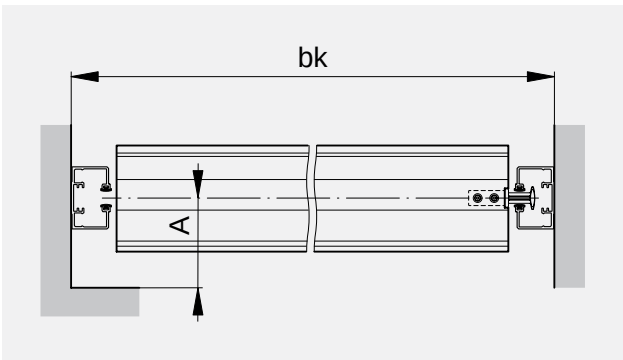
BUILT-IN SYSTEM WITH COVER

Vertical section: Guide rail Fix



Horizontal section: Guide rail Fix



Values for A, B and tn 32

HEADER DIMENSIONS | HEIGHT OF PACKAGE

Lamisol® III 70

hl →|	P min.	hs[1]	hl →|	P min.	hs[1]
1350	195	205	**2850**	295	305
1400	200	210	**2900**	300	310
1450	205	215	**3000**	305	315
1600	210	220	**3050**	310	320
1650	215	225	**3100**	315	325
1700	220	230	**3200**	320	330
1800	225	235	**3300**	325	335
1850	230	240	**3350**	330	340
1950	235	245	**3450**	335	345
2050	240	250	**3500**	340	350
2100	245	255	**3550**	345	355
2150	250	260	**3650**	350	360
2250	255	265	**3750**	355	365
2300	260	270	**3800**	360	370
2400	265	275	**3850**	365	375
2450	270	280	**3950**	370	380
2550	275	285	**4000**	375	385
2600	280	290	**4050**	380	390
2650	285	295	**4200**	385	395
2750	290	300	**4250**	390	400

tn min.	A	B
100*	50	50

Lamisol® III 90

hl →|	P min.	hs[1]	hl →|	P min.	hs[1]
1800	215	225	**3150**	285	295
1950	220	230	**3200**	290	300
2050	225	235	**3300**	295	305
2100	230	240	**3350**	310	320
2200	235	245	**3450**	305	315
2300	240	250	**3500**	310	320
2350	245	255	**3650**	315	325
2500	250	260	**3750**	320	330
2600	255	265	**3800**	325	335
2650	260	270	**3900**	330	340
2750	265	275	**3950**	335	345
2800	270	280	**4050**	340	350
2900	275	285	**4200**	345	355
3050	280	290	**4250**	350	360

tn min.	A	B
130*	65	65

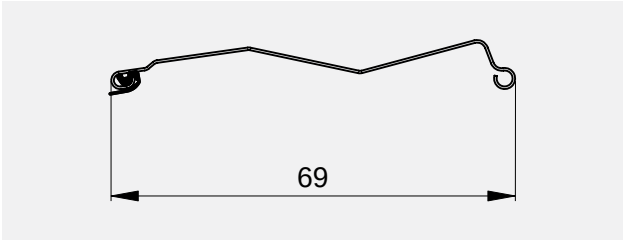
[1] With gearbox in slat area: hs + 20.
Lamisol® III Reflect: hs + 5.

* + possible addition for protruding weatherboard or doorknobs.

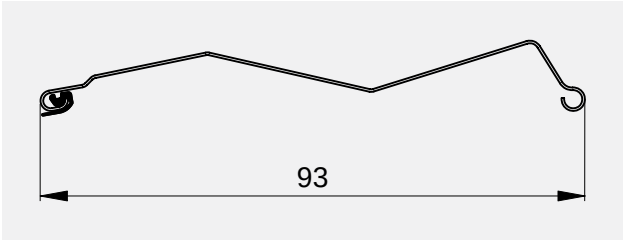
Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances. A dimensional tolerance of ±5 mm is observed for the header height.

SLAT PROFILES

Lamisol® III 70

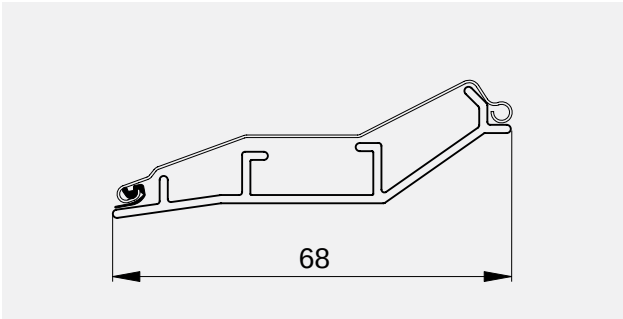


Lamisol® III 90

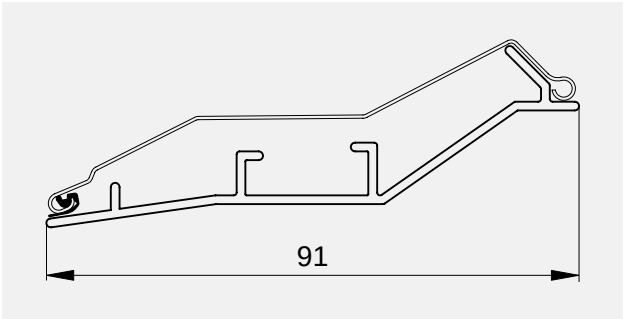


END RAILS

Lamisol® III 70

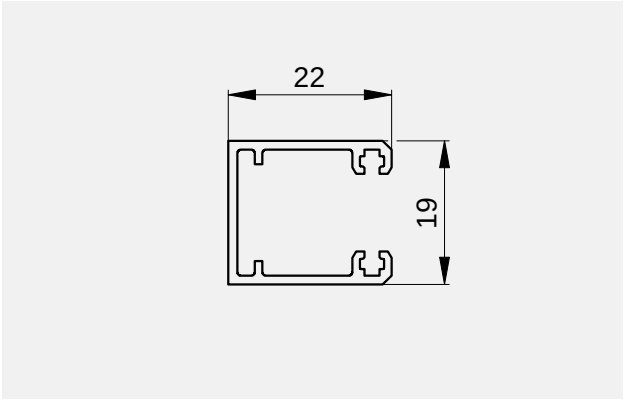


Lamisol® III 90

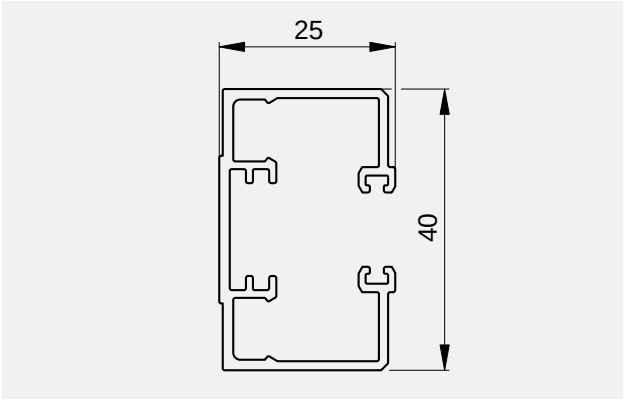


GUIDE RAILS

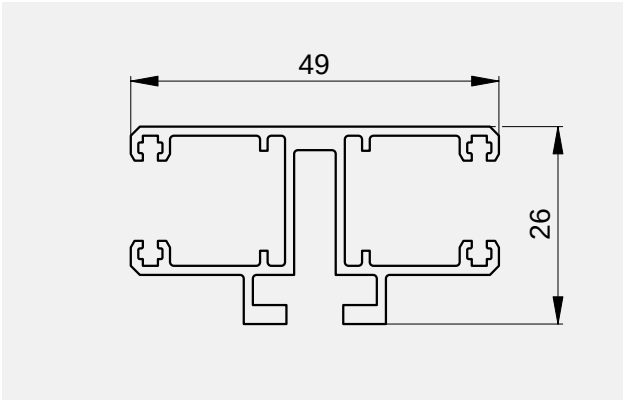
Type E | Single guide



Type F | Fix guide

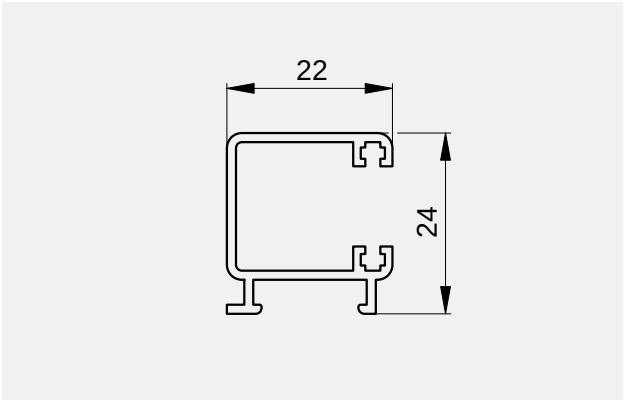


Type D | Double guide

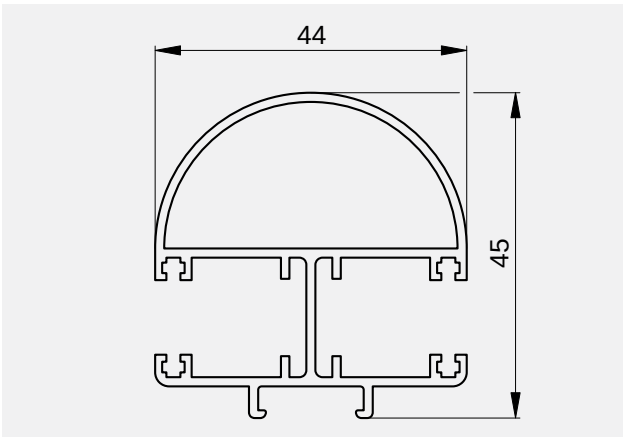


Special guide fastening required

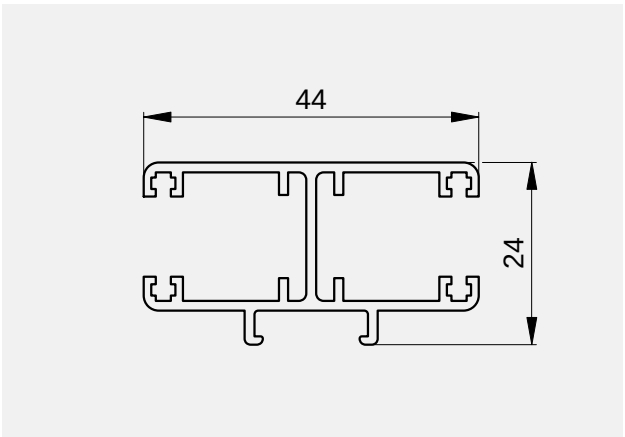
Type C | Single guide



Type R | Curved double guide



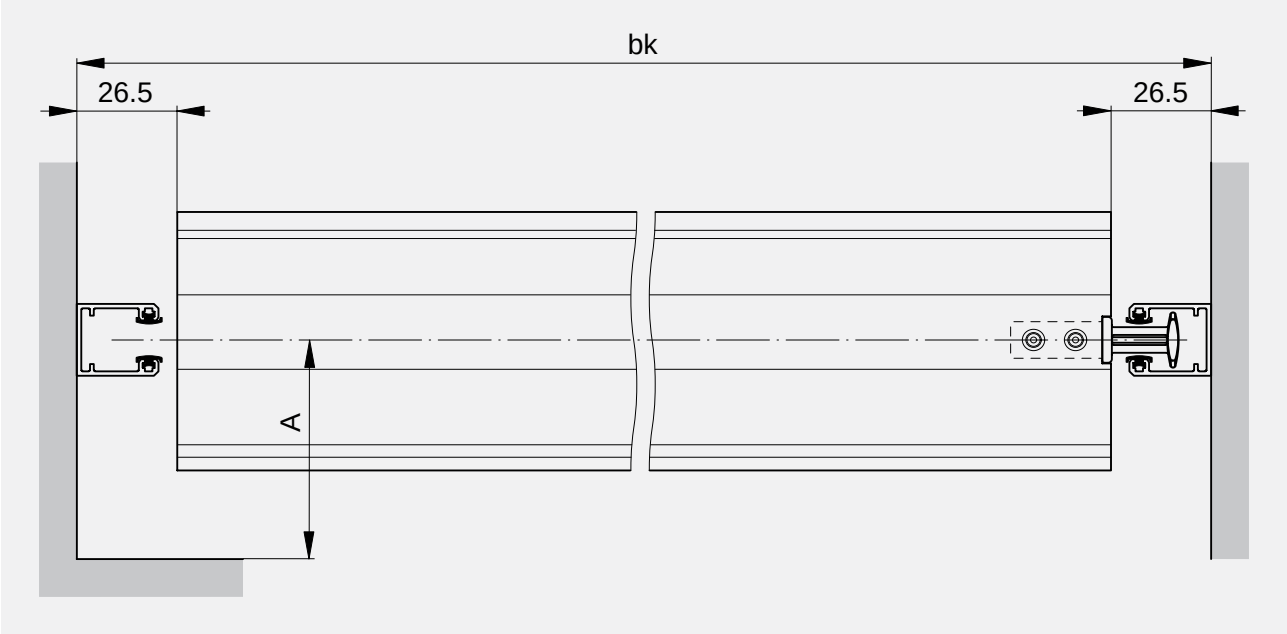
Type T | Double guide



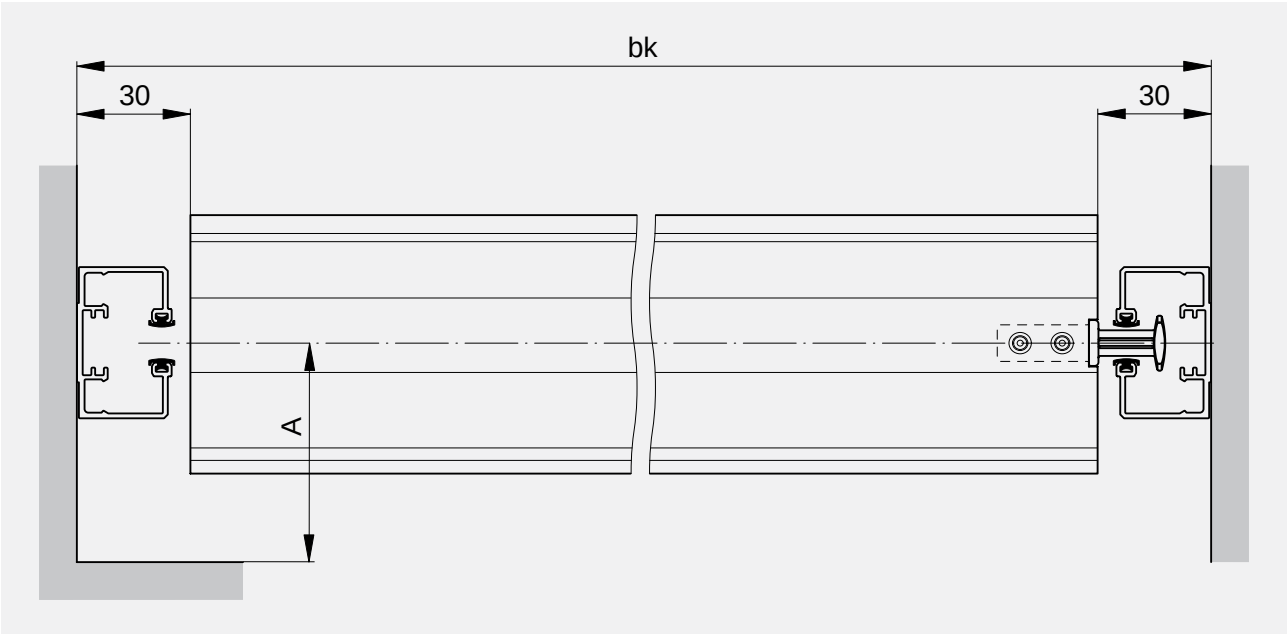
- **Distance between guides FD** 136
- **Fastening points** 128
- **Guide extension and facet** 120
- **Guide rail fastenings** 111
- **Guide rail cut-outs in windowsill area** 124
- **Installation window** 127
- **Integrated guides** 110

SECTIONS / DETAILS

Horizontal section: Guide rail conventional

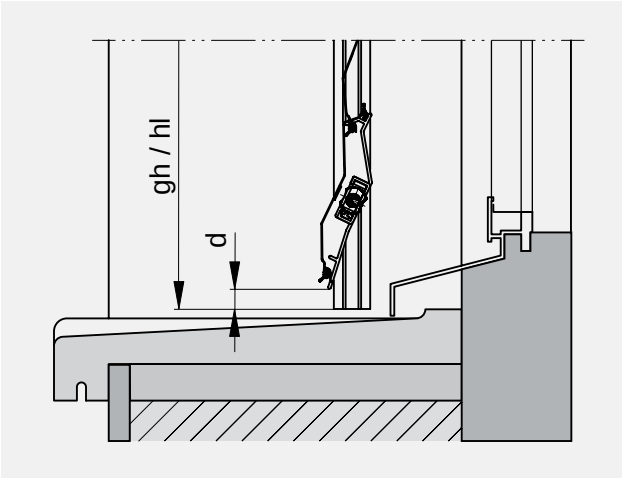


Horizontal section: Guide rail fix



Value for A

Detail at bottom



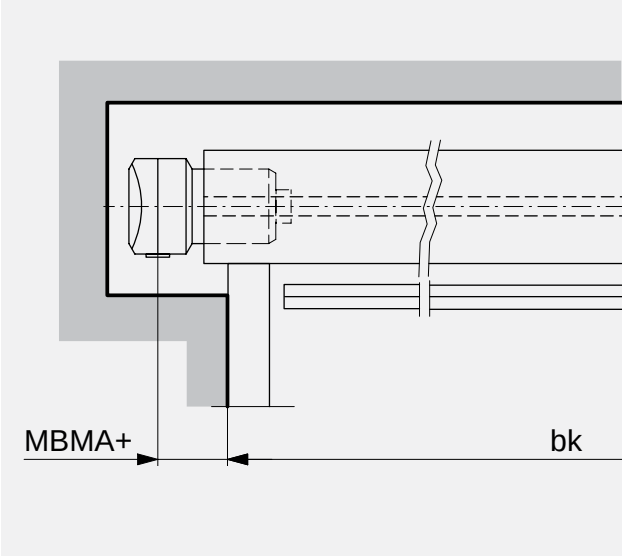
d
5*

* Lamisol® III Reflect: 15

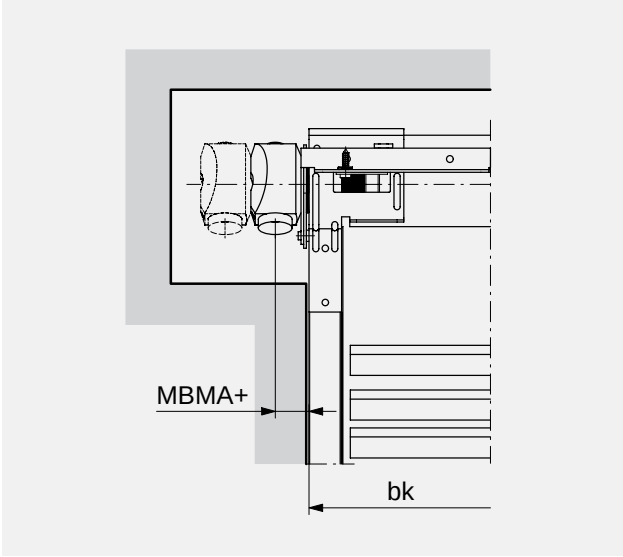
SECTIONS FOR CRANK DRIVE (MBMA)

outside bk

Conventional

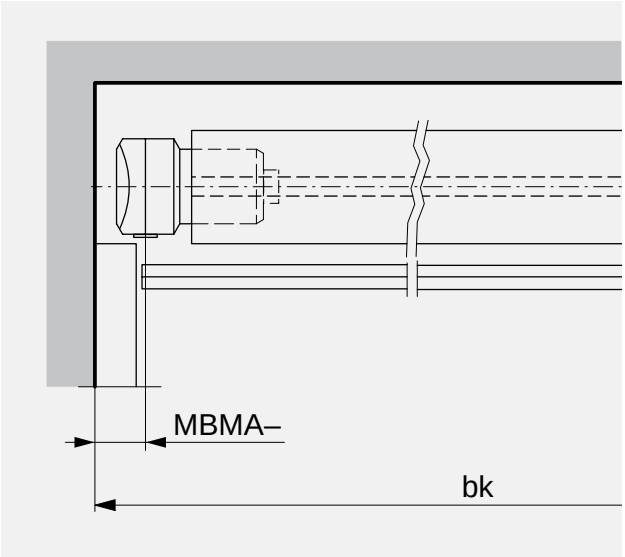


Self-supporting (Fix)

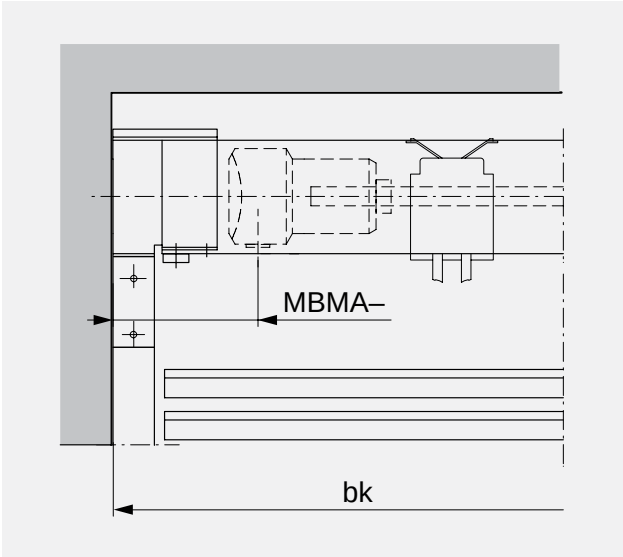


within bk

Conventional



Self-supporting (Fix)

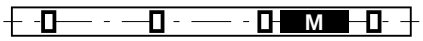


Version	MBMA+	MBMA–
Conventional	0 … 500	0 … bk/2*
Self-supporting (Fix)	26 … 125 (10 … 25)[1]	90 … bk/2

[1] for reverse mounted gearbox

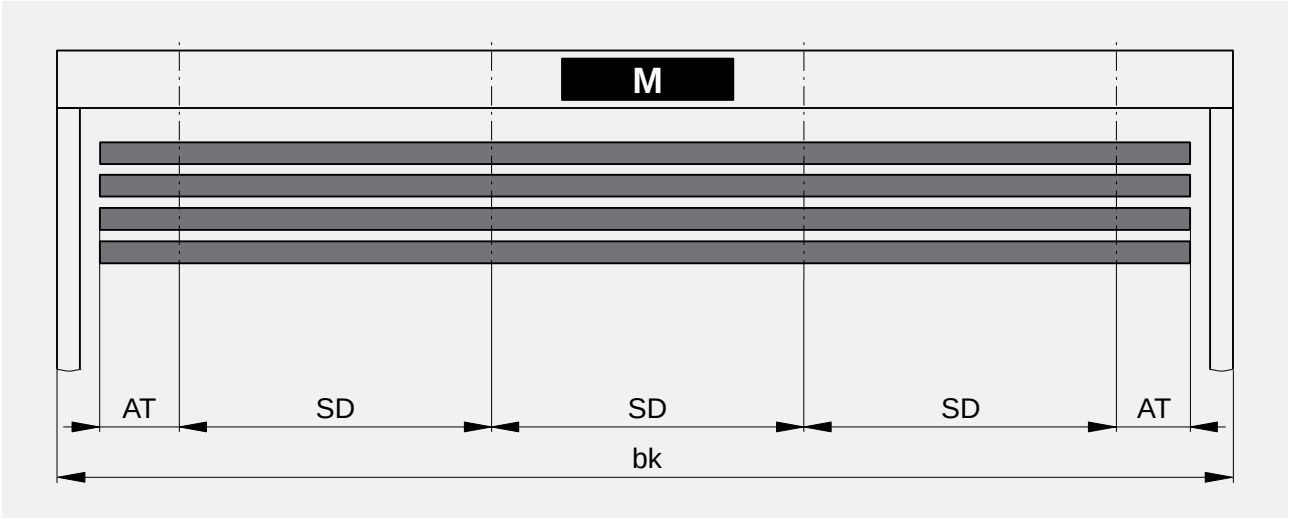
* ≤ 30: Gearbox niche required

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk hl ≤ 2500	bk hl > 2501	Number of bearings	Standard motor position
≤ 1450	≤ 1000	2	
1451 – 2450	1001 – 1450	3	
2451 – 3450	1451 – 2450	4	
> 3450	> 2450	5	

Bearing
M Motor

BEGINNING DISTANCE | SLOT SPACING



bk	AT min.		SD min.	SD max.
≤ 610	Conventional	50	350*	1000*
	Fix	60		
	Fix connected	80		
611 – 1250		100		
> 1250		200		
Special		250		

* Standard slot spacing machine fabrication

Deviations from the standard are posible when:

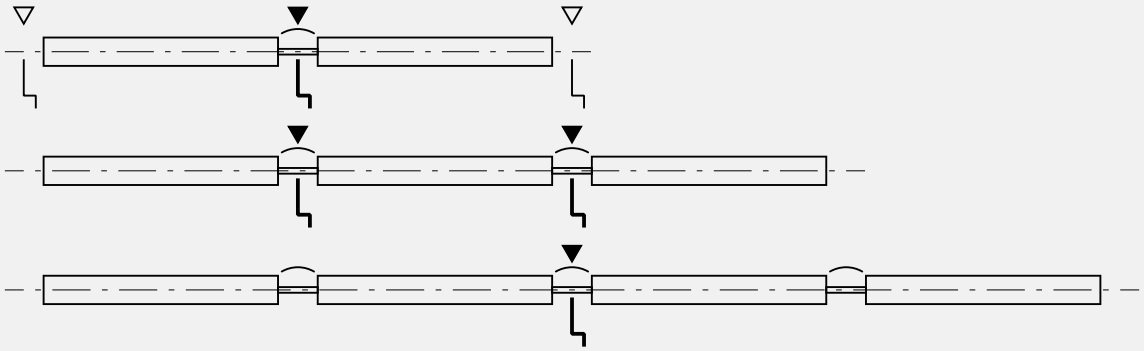
Deviation	Correction
MBMA+ < 40	AT
Support loading too high	AS
Slot spacing < 350	AT + AS
With motor	AT + AS

AT: Beginning distance
Distance from beginning of slat to centre of bearing

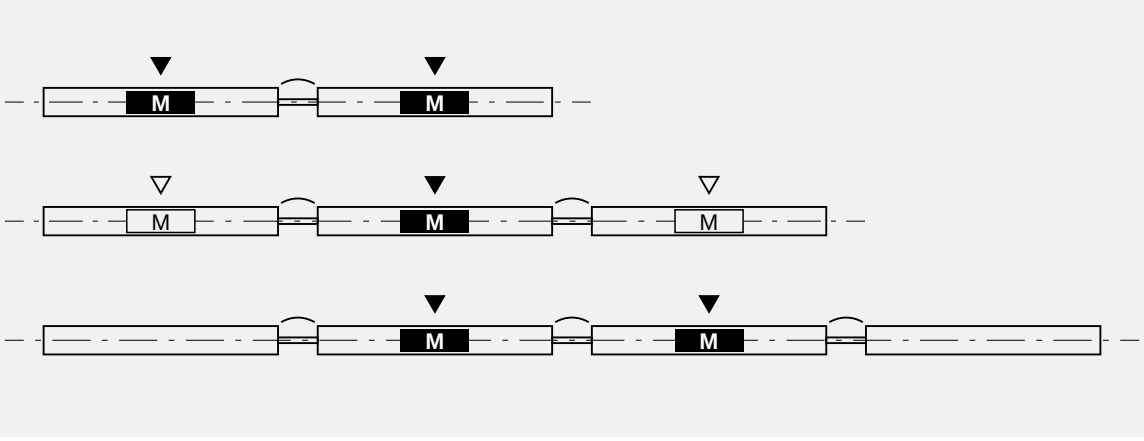
SD: Slot spacing
Distance from centre of bearing (slot) to centre of bearing (slot)

CONNECTED SYSTEMS

With gearbox



With motor



▼ Standard drive position
▽ Possible drive position

Distance between guides FD 136
Opening for connected blinds 136

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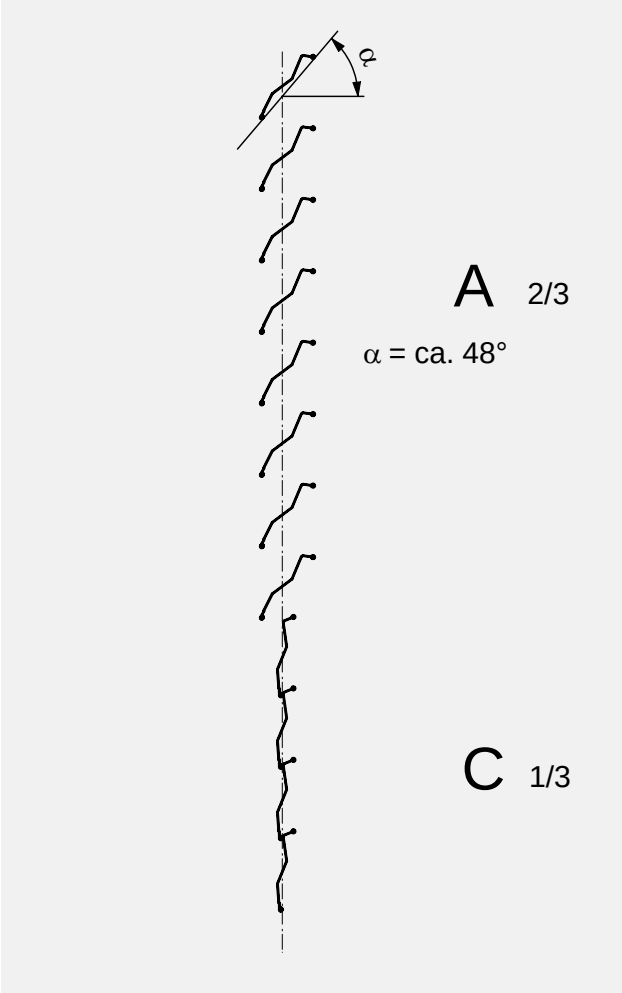
OPTIONS

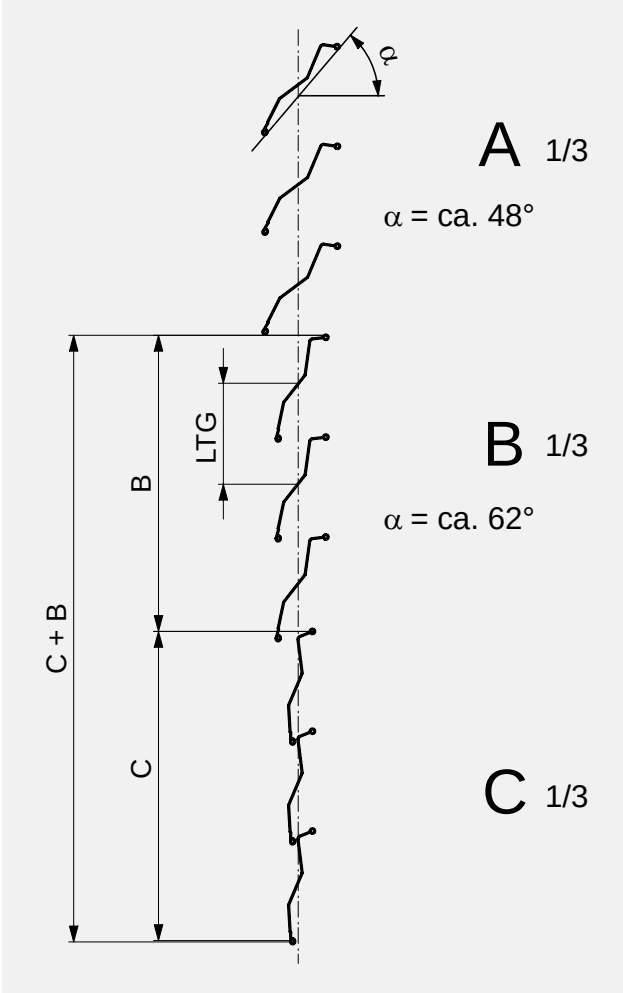
Lamisol® III Reflect

For glare protection at bottom and use of daylight at top.

Lamisol® III 70



Lamisol® III 90



For technical reasons, the Reflect zone (C + B) must be two slat spacing units larger than the Reflect zone C.

A: Use of daylight
B: Ability to see outside
C: Glare protection

LTG: Slat spacing

Lamisol® III Vento

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BEGINNING DISTANCE | SLOT SPACING	50
CONNECTED SYSTEMS	51
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LIMIT DIMENSIONS

Single blind

Operation	Width min. (bk)	Width[1,2] max. (bk)	Height min. (hl)	Height max. (hl)	Surface max. [m²]
Motor drive	695	3000	400	3000	9

Connected systems

Operation	Width[1] max. (bk)	Blinds max.	Blinds per system	Surface max. [m²]
Motor drive	9000	3	2	16
			3	20

[1] For buildings and high-rise structures, which are exposed to high winds, this maximum value should be decreased as required. Also see wind classes data sheet.

[2] bk > 2500: mount housing with an additional box support

Definitions of dimensions 102

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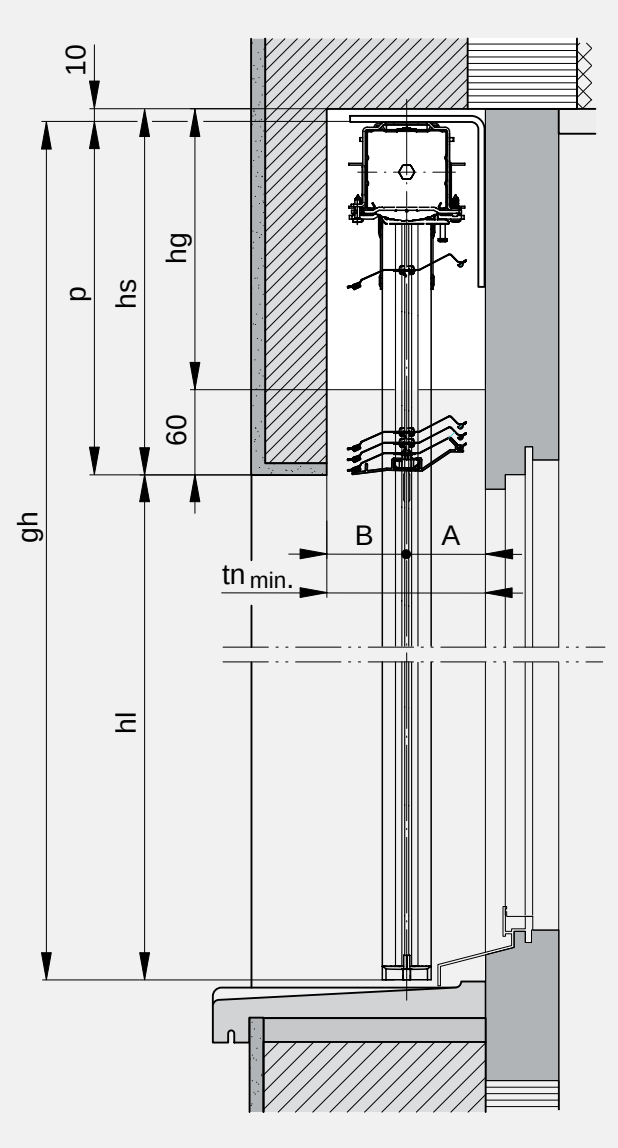
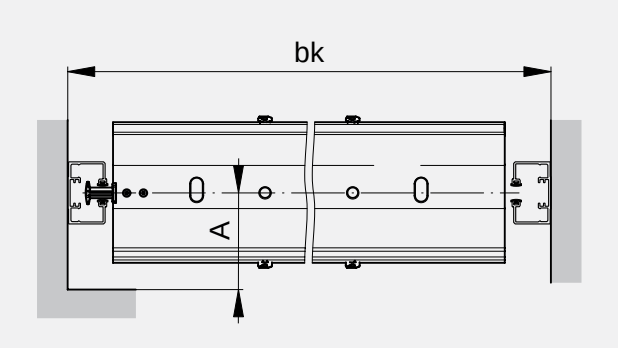
BUILT-IN SYSTEM

Vertical section

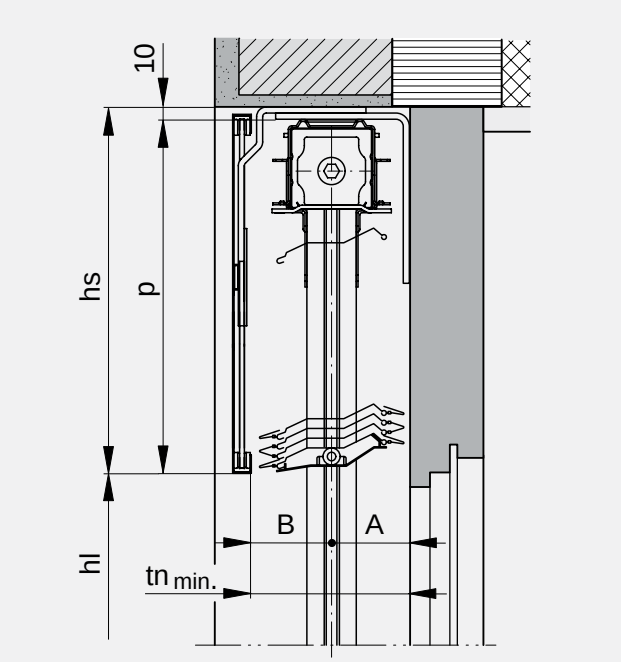


Horizontal section



BUILT-IN SYSTEM WITH COVER

Vertical section



Sections / Details 48

Values for A, B and tn 46

HEADER DIMENSIONS | HEIGHT OF PACKAGE

hl →I	P min.	hs[1]
1800	215	225
1950	220	230
2050	225	235
2100	230	240
2200	235	245
2300	240	250
2350	245	255
2500	250	260
2600	255	265
2650	260	270
2750	265	275
2800	270	280
2900	275	285
3000	280	290

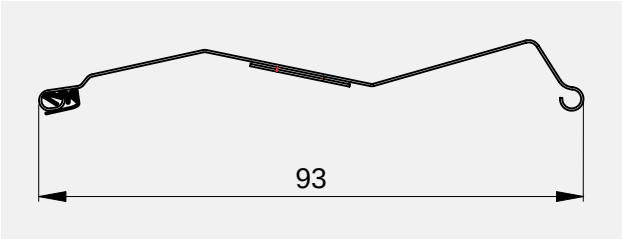
tn min.	A	B
130*	65	65

[1] Lamisol® III Vento Reflect: hs + 5.

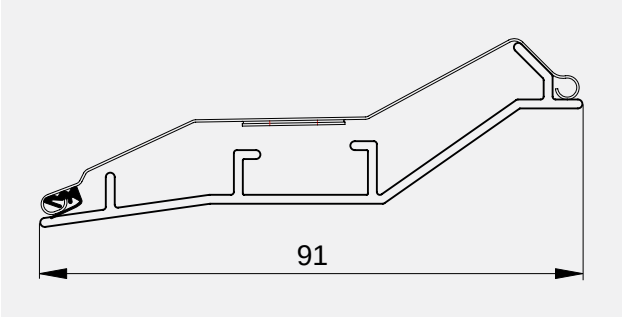
* + possible addition for protruding weatherboard or doorknobs.

Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances. A dimensional tolerance of ±5 mm is observed for the header height.

SLAT PROFILE

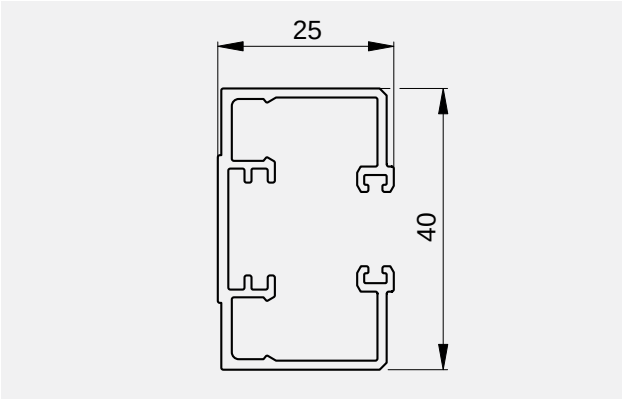


END RAIL



GUIDE RAIL

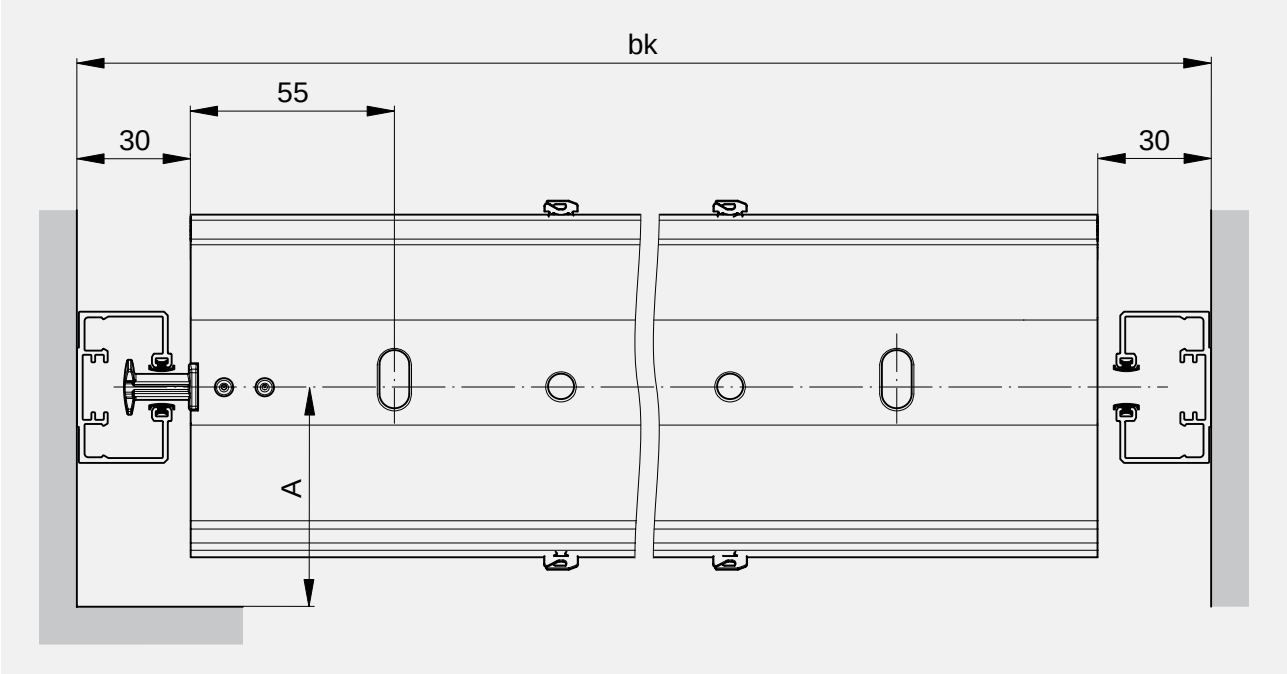
Type F | Fix guide



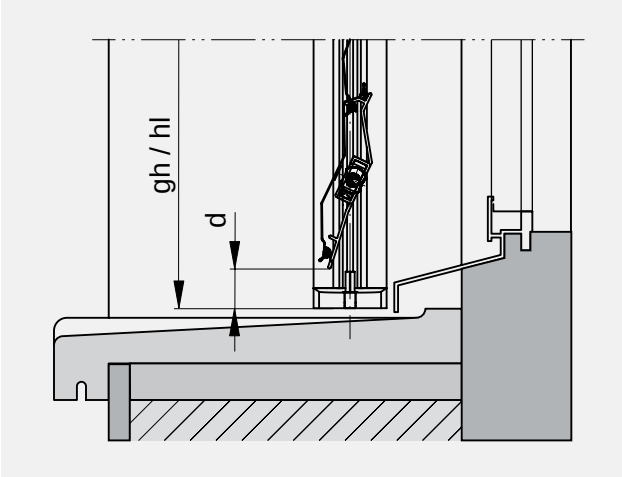
- Distance between guides FD 136
- Fastening points 133
- Guide rail fastenings 111
- Integrated guides 110

SECTIONS / DETAILS

Horizontal section



Detail at bottom

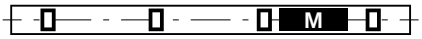


d
15*

* Lamisol® III Vento Reflect: 25

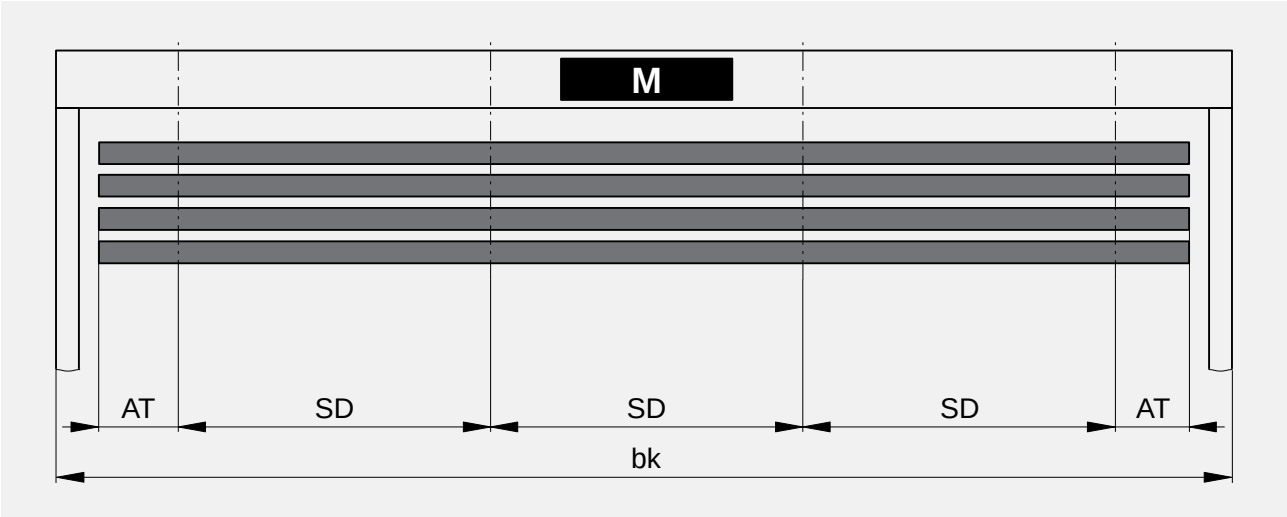
Value for A

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk	Number of bearings	Standard motor position
≤ 1400	2	
1401 – 2400	3	
> 2400	4	

▯ Bearing
M Motor

BEGINNING DISTANCE | SLOT SPACING



bk	AT min.	SD min.	SD max.
≤ 1250	100	350*	1000*
> 1250	200		

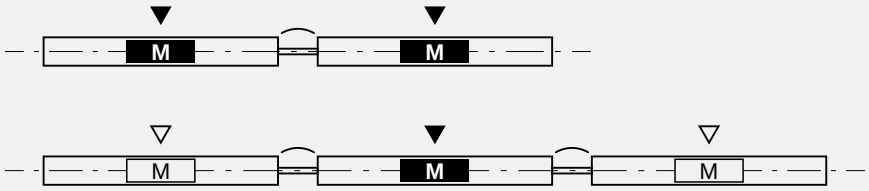
* Standard slot spacing machine fabrication

Deviations from the standard are posible when:

Deviation	Correction
Support loading too high	AS
Slot spacing < 350	AT + AS
With motor	AT + AS

CONNECTED SYSTEMS

With motor



▼ Standard drive position
▽ Possible drive position

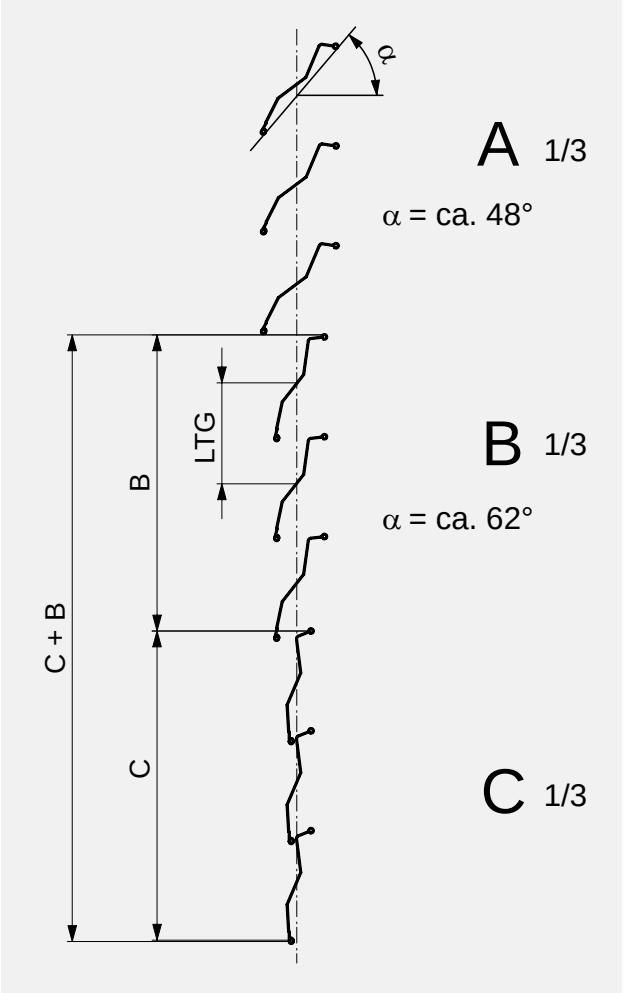
Distance between guides FD 136

Opening for connected blinds 136

OPTIONS

Lamisol® III Vento Reflect

For glare protection at bottom and use of daylight at top.



For technical reasons, the Reflect zone (C + B) must be two slat spacing units larger than the Reflect zone C.

A: Use of daylight
B: Ability to see outside
C: Glare protection
LTG: Slat spacing

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Aluflex®

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Cable guide version

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LIMIT DIMENSIONS ALUFLEX®

Single blind

Operation	Width min. (bk)	Width[2] max. (bk)		Height min. (hl)	Height max. (hl)	Surface[3] max. [m²]
Crank drive	550*	4500[5]	5000[6]	550	4500	11
Motor drive	625					20

Connected systems

Operation	Width[2] max. (bk)	Blinds max.	Surface[3] max. [m²]
Crank drive[1]	10000	4	11
Motor drive[4]			24

[1] A max. of 2 blinds may be connected on each side of the gearbox.

* with MBMA– on request

LIMIT DIMENSIONS ALUFLEX® BOX

Single blind

Operation	Width min. (bk)	Width[2] max. (bk)		Height min. (gh)	Height max. (gh)	Surface[3] max. [m²]
Motor drive	625	4500[5]	5000[6]	735	4760	11

Connected systems

Operation	Width[2] max. (bk)	Blinds max.	Surface[3] max. [m²]
Motor drive[4]	10000	4	24

[2] For buildings and high-rise structures, which are exposed to high winds, this maximum value should be decreased as required. Also see wind classes data sheet.

[3] If crank drive is in slat area: maximum surface area and crank position available on request.

[4] For 3 or 4 blinds, the motor should be positioned in the center.

[5] Aluflex® guide rails

[6] Aluflex® cable guide

Definitions of dimensions 102

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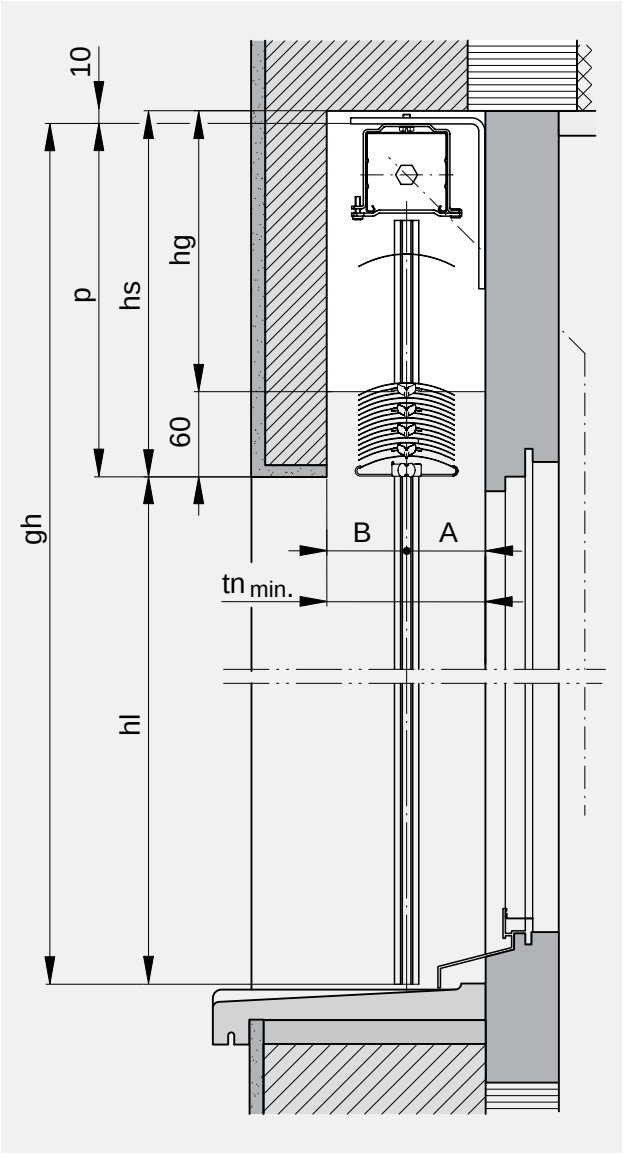
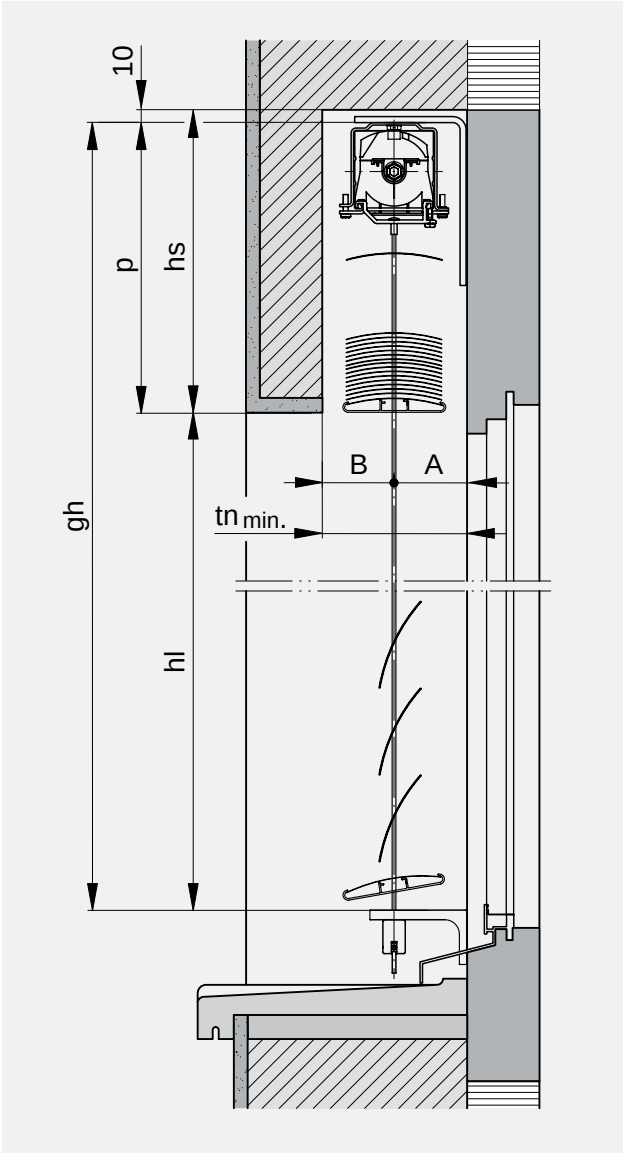
BUILT-IN SYSTEM

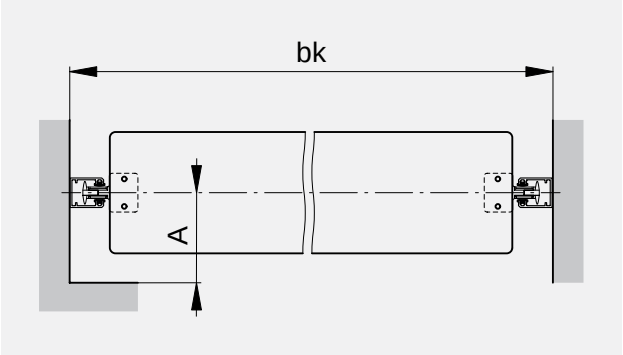
Vertical section: Guide rail conventional



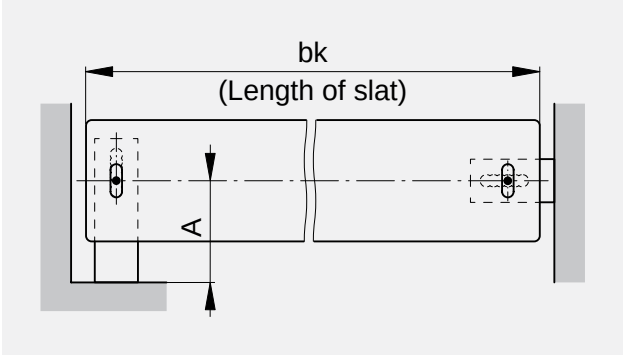
Vertical section: Cable guide



Horizontal section: Guide rail conventional



Horizontal section: Cable guide

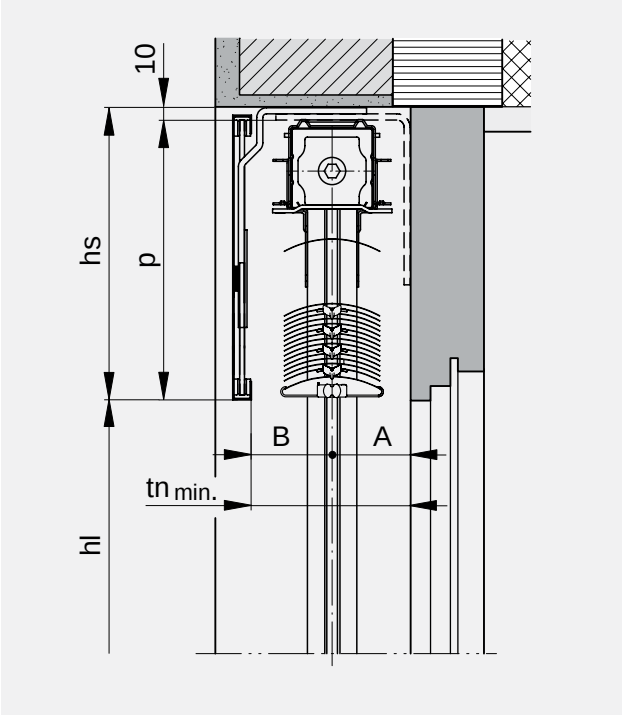


Sections / Details 64 | 69

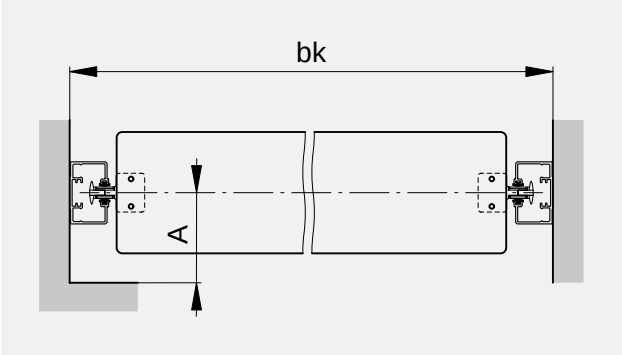
Values for A, B and tn 61

BUILT-IN SYSTEM WITH COVER

Vertical section: Guide rail Fix



Horizontal section: Guide rail Fix



Sections / Details 64

Values for A, B and tn 61

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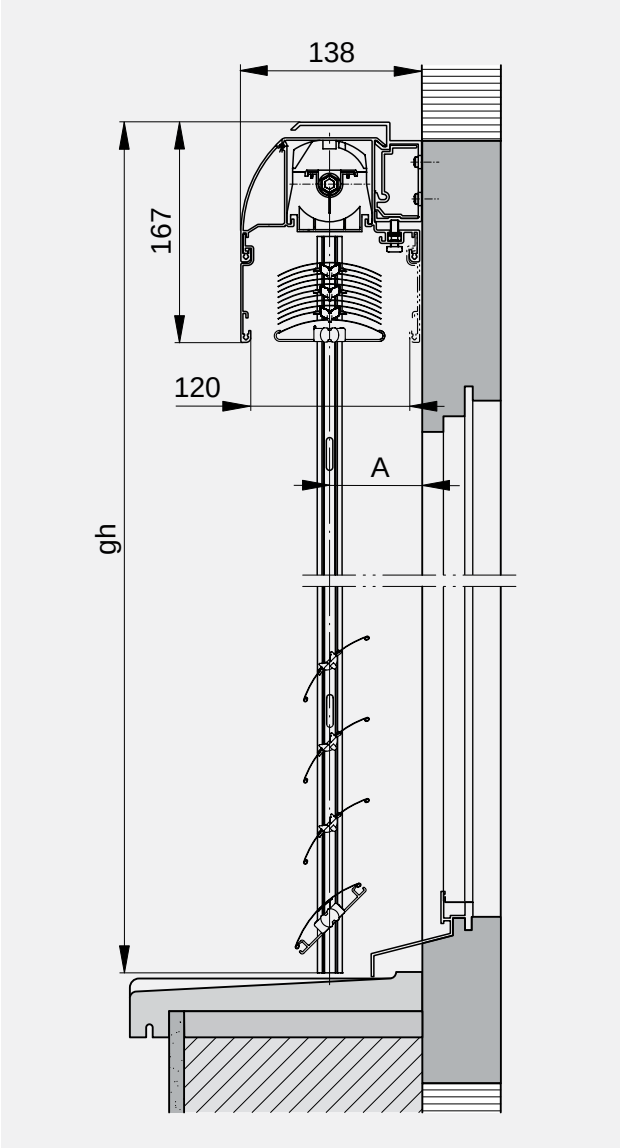
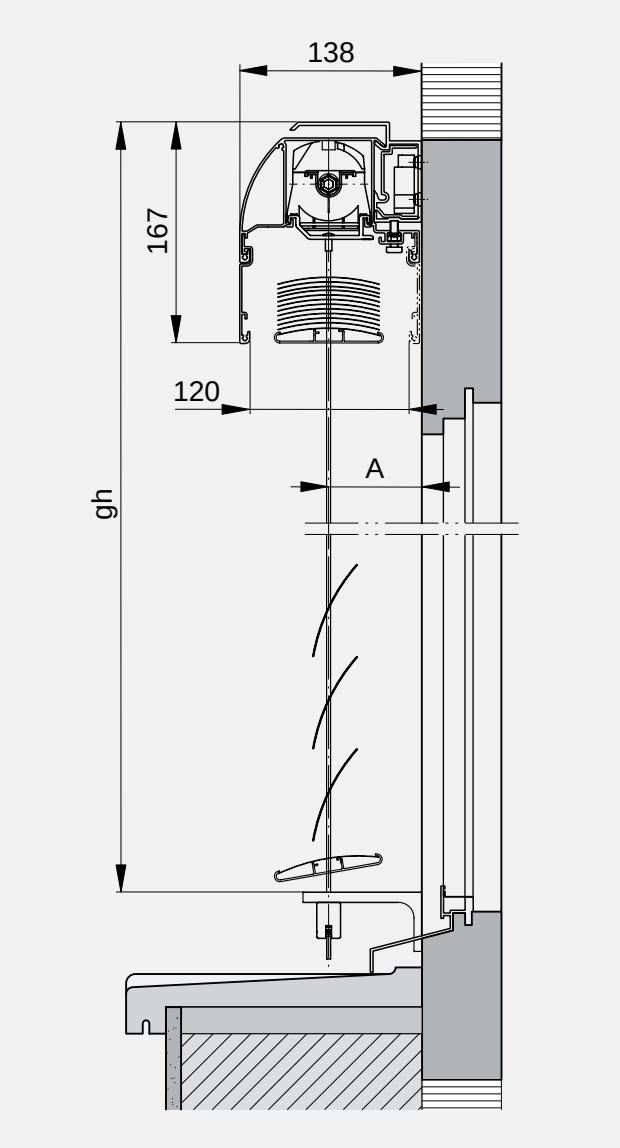
INSTALLATION SYSTEM WITH BOX

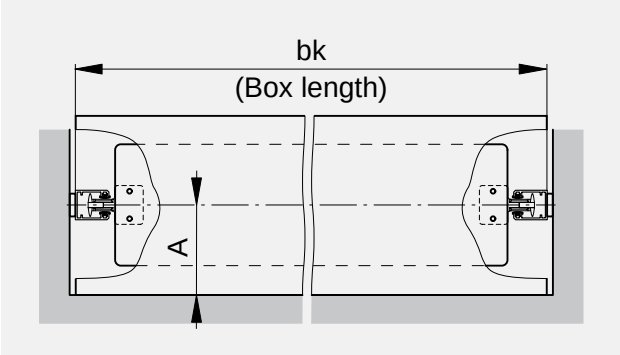
Vertical section: Guide rail conventional



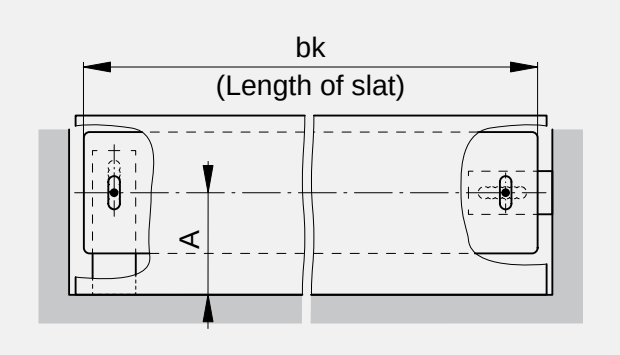
Vertical section: Cable guide



Horizontal section: Guide rail conventional



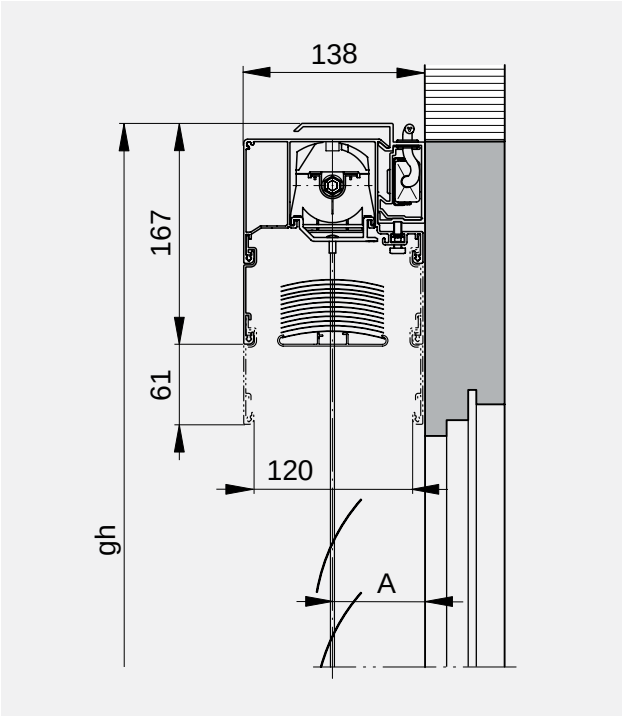
Horizontal section: Cable guide



Sections / Details 64 | 69

Value for A 61

Vertical section: Box square



Value for A 61

Box extensions and package projection

Aluflex® Box 60

Height (gh)	Number of extensions	Height (gh)	Projection*	Height (gh)	Projection*
700–1100	1	2501–2600	5	3501–3600	55
1101–2500	2	2601–2700	10	3601–3700	60
		2701–2800	15	3701–3800	65
		2801–2900	20	3801–3900	70
		2901–3000	25	3901–4000	75
		3001–3100	30	4001–4100	80
		3101–3200	35	4101–4200	85
		3201–3300	40	4201–4300	90
		3301–3400	45	4301–4400	95
		3401–3500	50	4401–4500	100

Aluflex® Box 80

Height (gh)	Number of extensions	Height (gh)	Projection*	Height (gh)	Projection*
700–1800	1	4101–4200	2	4301–4400	8
1801–4100	2	4201–2300	5	4401–4500	11

* Slat package not covered (package projection)

HEADER DIMENSIONS | HEIGHT OF PACKAGE

Aluflex® 60

hl →|	P min.	hs[1]	hl →|	P min.	hs[1]
600	146	160	**2600**	234	255
700	150	165	**2700**	239	260
800	155	170	**2800**	243	
900	159	175	**2900**	247	265
1000	164	180	**3000**	252	270
1100	168	185	**3100**	256	275
1200	173	190	**3200**	261	280
1300	177		**3300**	265	285
1400	181	195	**3400**	269	290
1500	186	200	**3500**	274	
1600	190	205	**3600**	278	295
1700	195	210	**3700**	283	300
1800	199	215	**3800**	287	305
1900	203	220	**3900**	291	310
2000	208	225	**4000**	269	315
2100	212	230	**4100**	300	320
2200	217	235	**4200**	305	325
2300	221	240	**4300**	309	
2400	225	245	**4400**	313	330
2500	230	250	**4500**	318	335

Version	tn min.	A	B
Built-in system	100*	50	50
Installation system (Box)		70	

Aluflex® 80

hl →|	P min.	hs[1]	hl →|	P min.	hs[1]
600	135	160	**2600**	190	205
700	138		**2700**	193	
800	140		**2800**	196	210
900	143		**2900**	199	
1000	146		**3000**	201	215
1100	149		**3100**	204	
1200	151	165	**3200**	207	220
1300	154		**3300**	210	225
1400	157	170	**3400**	213	
1500	160	175	**3500**	215	230
1600	163		**3600**	218	
1700	165	180	**3700**	221	235
1800	168		**3800**	224	
1900	171	185	**3900**	226	240
2000	174		**4000**	229	
2100	176	190	**4100**	232	245
2200	179		**4200**	235	250
2300	182	195	**4300**	238	
2400	185	200	**4400**	240	255
2500	188		**4500**	243	

Version	tn min.	A	B
Built-in system	120*	60	60
Installation system (Box)		70	

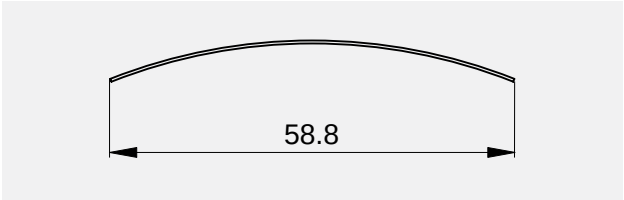
[1] If surface area > 12m² or bk > 4000, the end rail is set in 20 mm. Then hs = hs + 10.
With gearbox in slat area: hs + 20.
For both box versions: hs = hs + 7.
Aluflex® Reflect: hs + 5.

* + possible addition for protruding weatherboard or doorknobs.

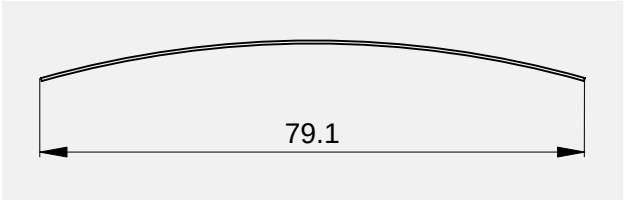
Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances. A dimensional tolerance of ±5 mm is observed for the header height.

SLAT PROFILES

Aluflex® 60



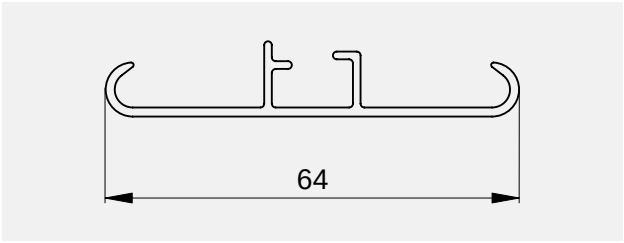
Aluflex® 80



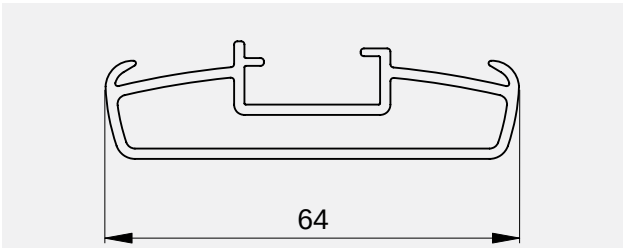
END RAILS

Aluflex® 60

Type 10

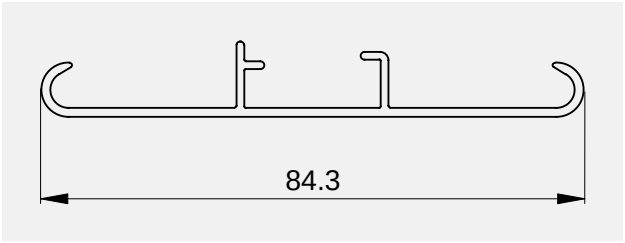


Type 20 (reinforced)

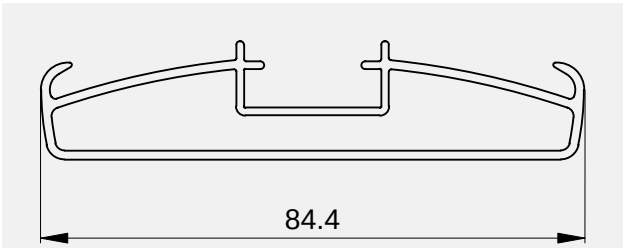


Aluflex® 80

Type 10



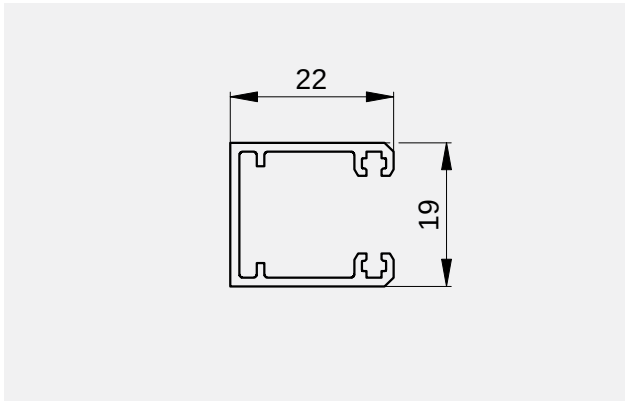
Type 20 (reinforced)



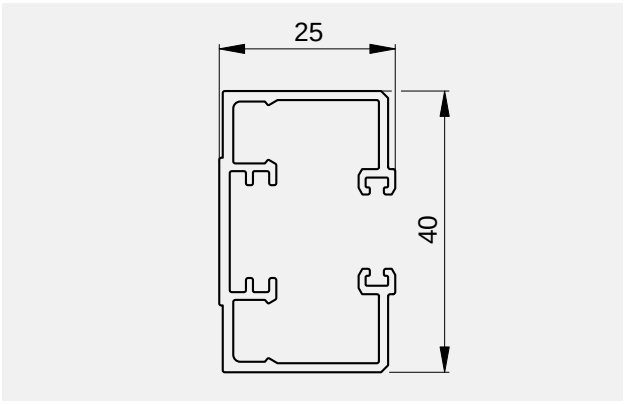
If surface area > 12m² or bk > 4000, the end rail is set in 20 mm. Then hs = hs + 10.

GUIDE RAILS

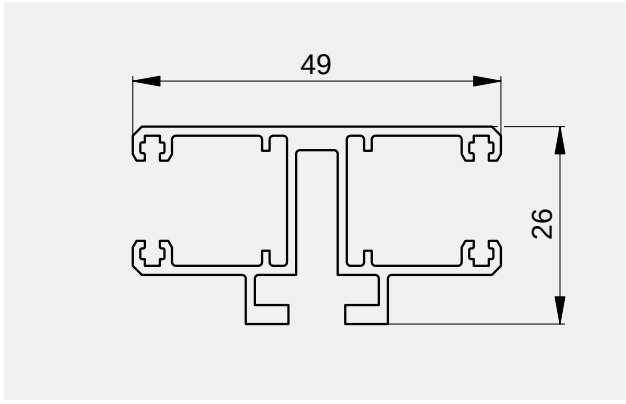
Type E | Single guide



Type F | Fix guide

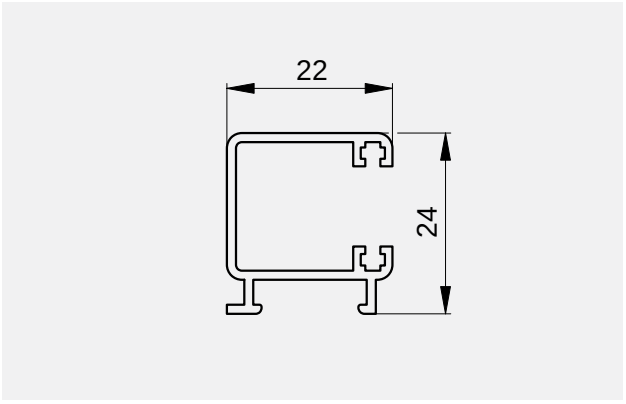


Type D | Double guide

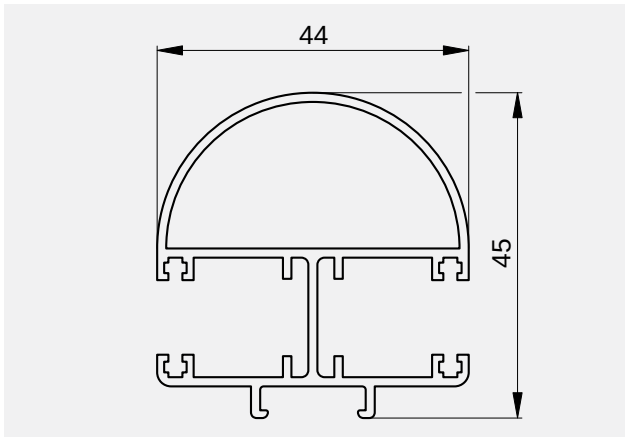


Special guide fastening required

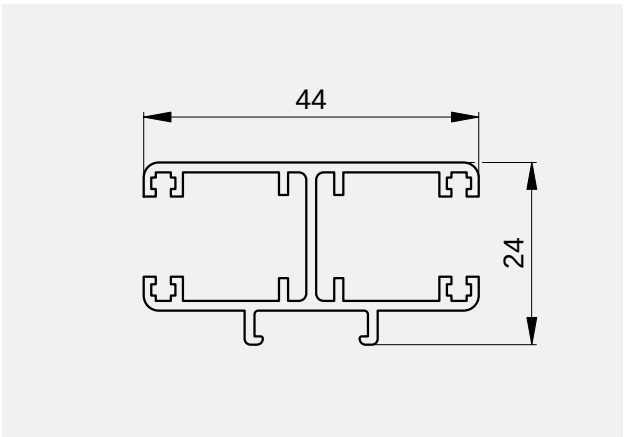
Type C | Single guide



Type R | Curved double guide



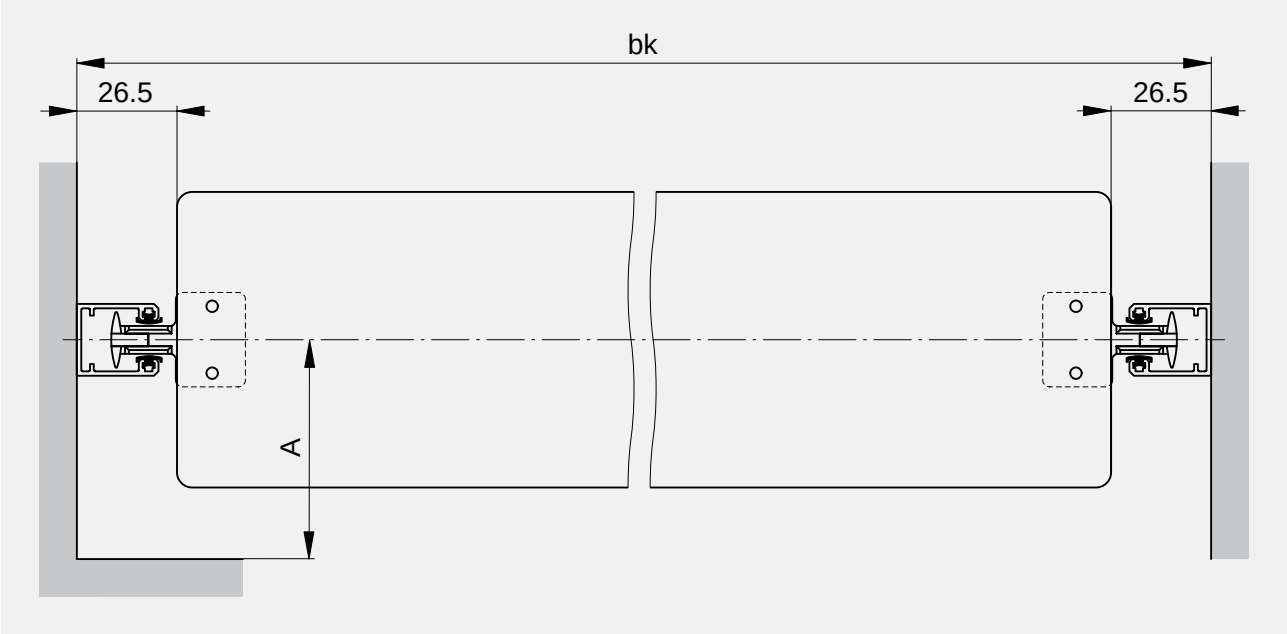
Type T | Double guide



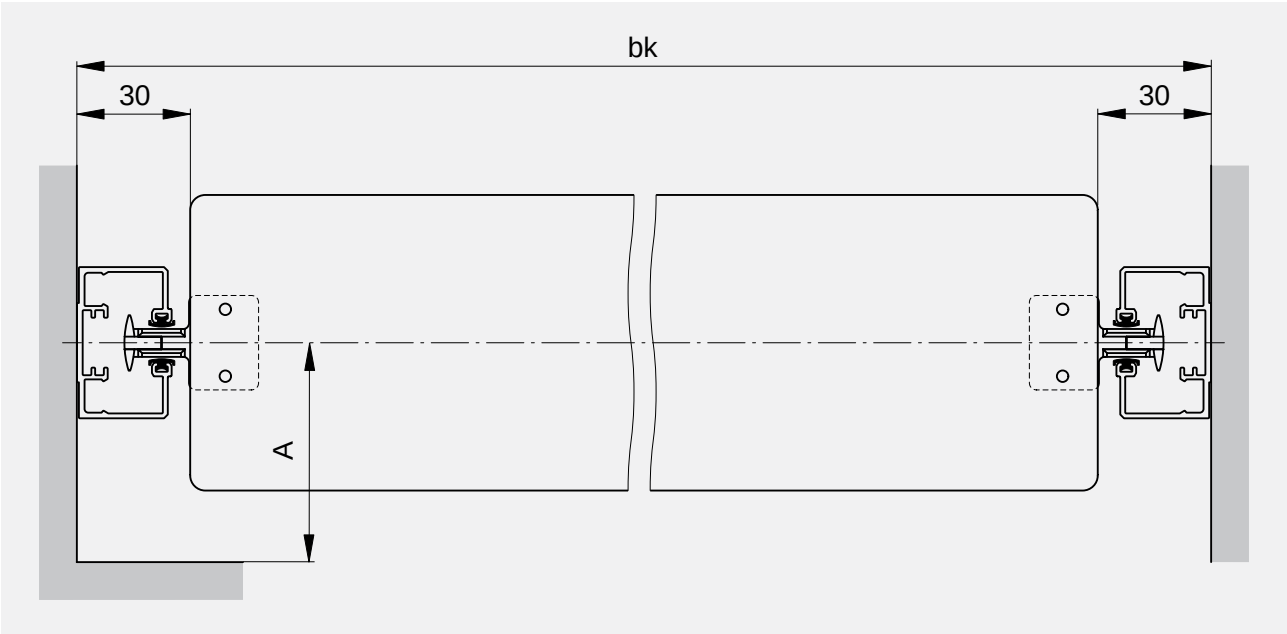
Distance between guides FD 136
Fastening points 128
Guide extension and facet 120
Guide rail fastenings 111
Guide rail cut-outs in windowsill area 123
Installation window 127
Integrated guides 110

SECTIONS / DETAILS

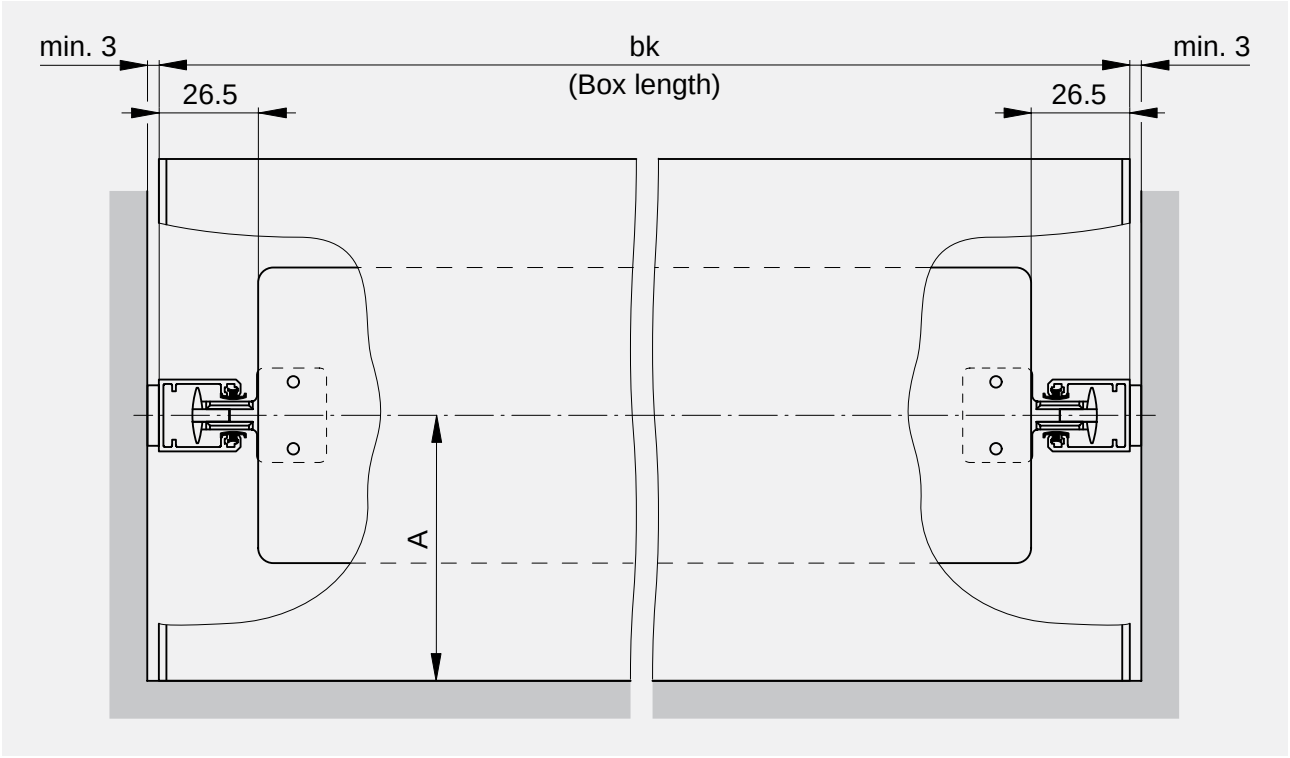
Horizontal section: Guide rail conventional



Horizontal section: Guide rail fix

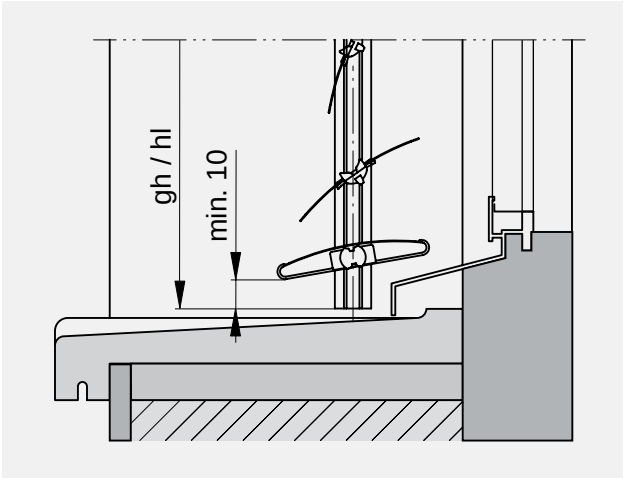


Horizontal section: Box



Value for A 61

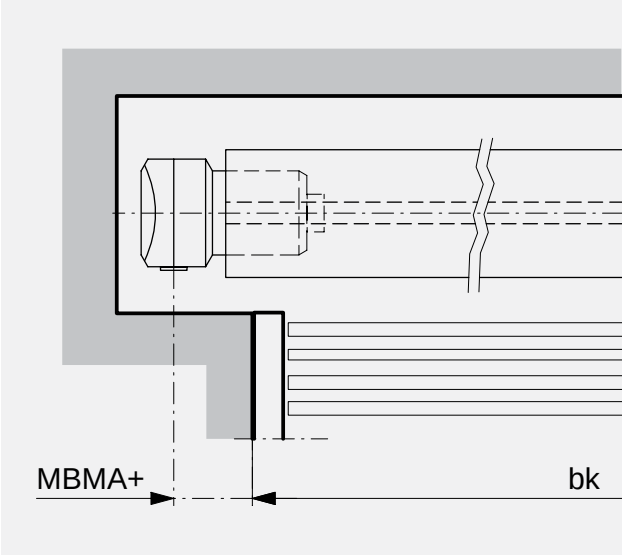
Detail at bottom



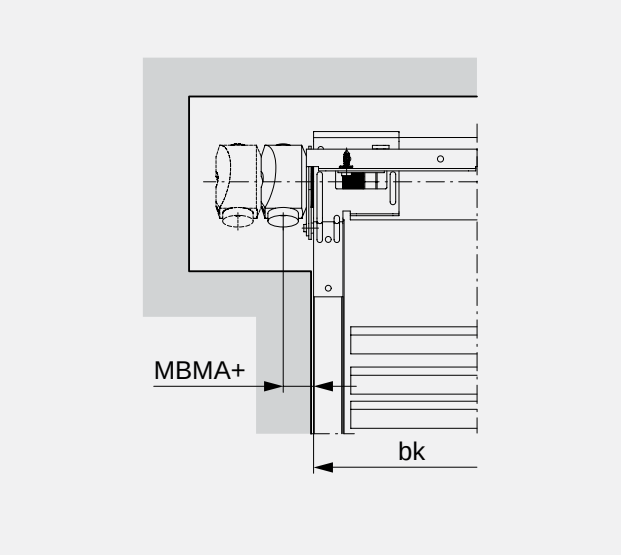
SECTIONS FOR CRANK DRIVE (MBMA)

outside bk

Conventional

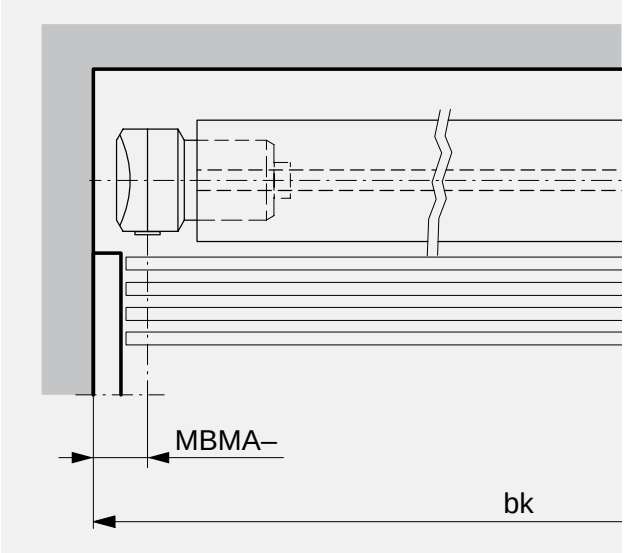


Self-supporting (Fix)

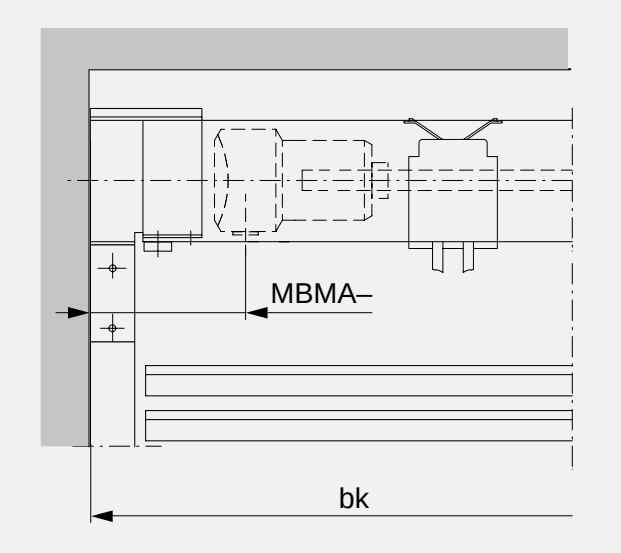


within bk

Conventional



Self-supporting (Fix)



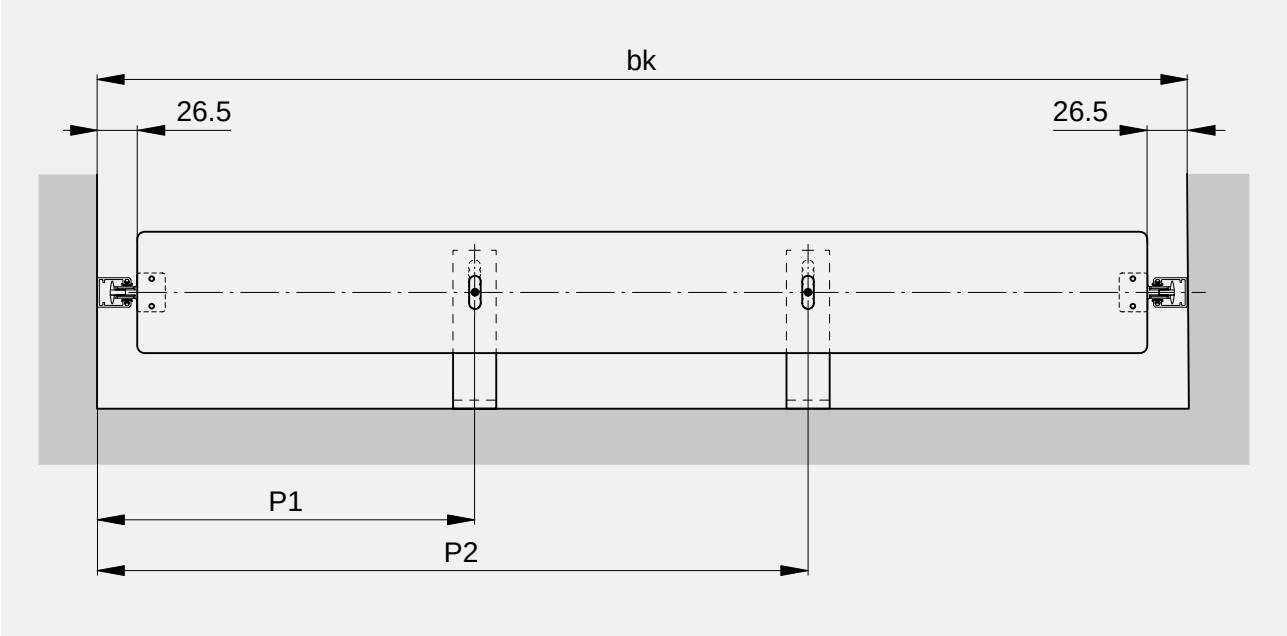
Version	MBMA+	MBMA–
Conventional	0 … 999	0 … bk/2*
Self-supporting (Fix)	26 … 125 (10 … 25)[1]	90 … bk/2

[1] for reverse mounted gearbox

* ≤ 30: Gearbox niche required

ADDITIONAL CABLES (WITHOUT BOX)

Additional cables should be fitted for a bk greater than 2500 and in locations which are exposed to high wind. The dimensions P1 and P2 should be noted in the dimensions sheet. P2 does not apply for the first additional cable.



P1: Position of first cable or cable on left

P2: Position of cable on right

P1/P2 are measured from the left from bk.

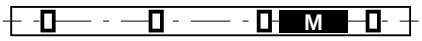
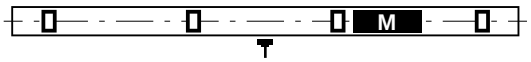
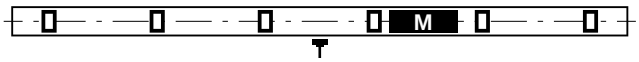
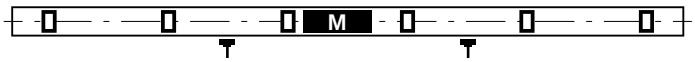
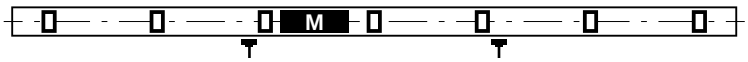
If the additional cables are installed in the windowsill, you must plan for an excess guide rail length of min. 60 mm. The end rail is then 70 mm above the windowsill.

Number of additional cables

If no information is provided for P1 or P2, they are positioned according to the following table:

Width max. (bk)	Number of cables	P1	P2
≤ 2500	0	–	–
2501 – 3800	1	bk/2	–
> 3800	2	bk/3	2 (bk/3)

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk	Number of bearings	Number of cables	Standard motor position
≤ 1053	2		
1054 – 2053	3	0	
2054 – 2500	4		
2501 – 2853		1	
2854 – 3800	6		
3801 – 4453		2	
> 4453	7		

Bearing

Cable

M Motor

Cable fastenings 120

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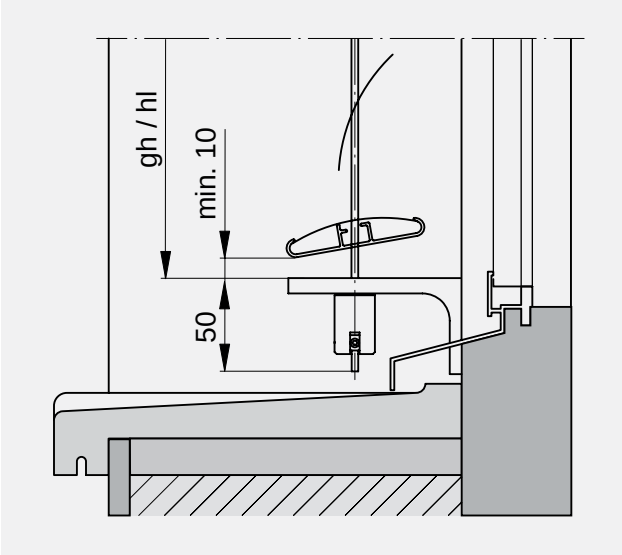
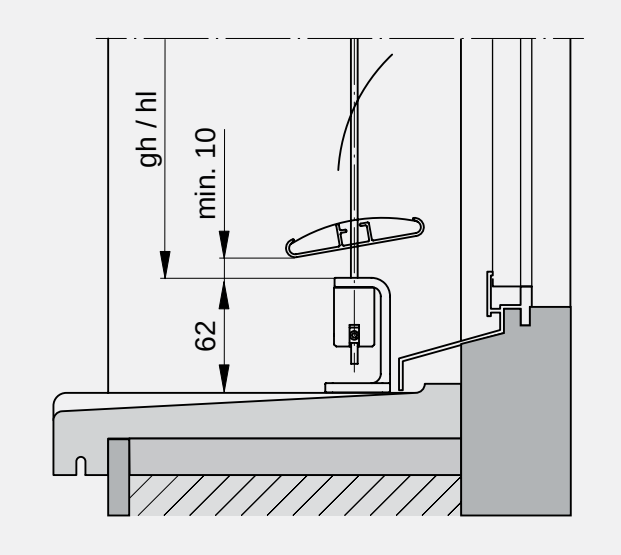
CABLE GUIDE

Soffit- / facade mounting



Cable fastenings 138

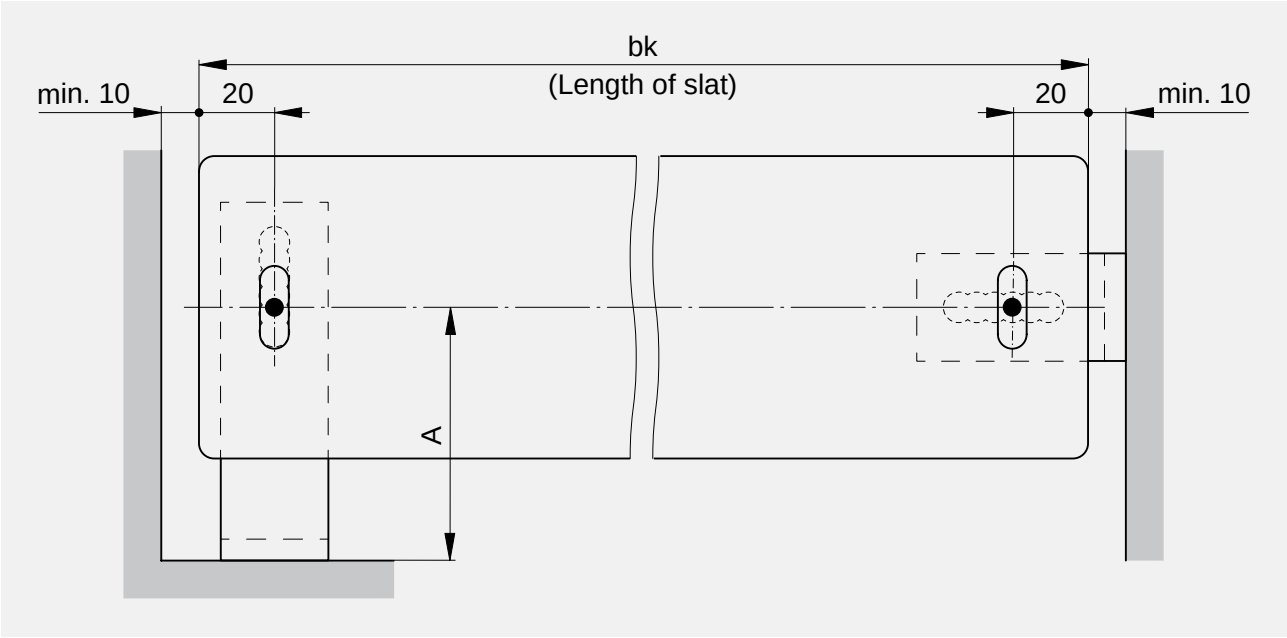
Window ledge mounting



Distance between guides FD 140

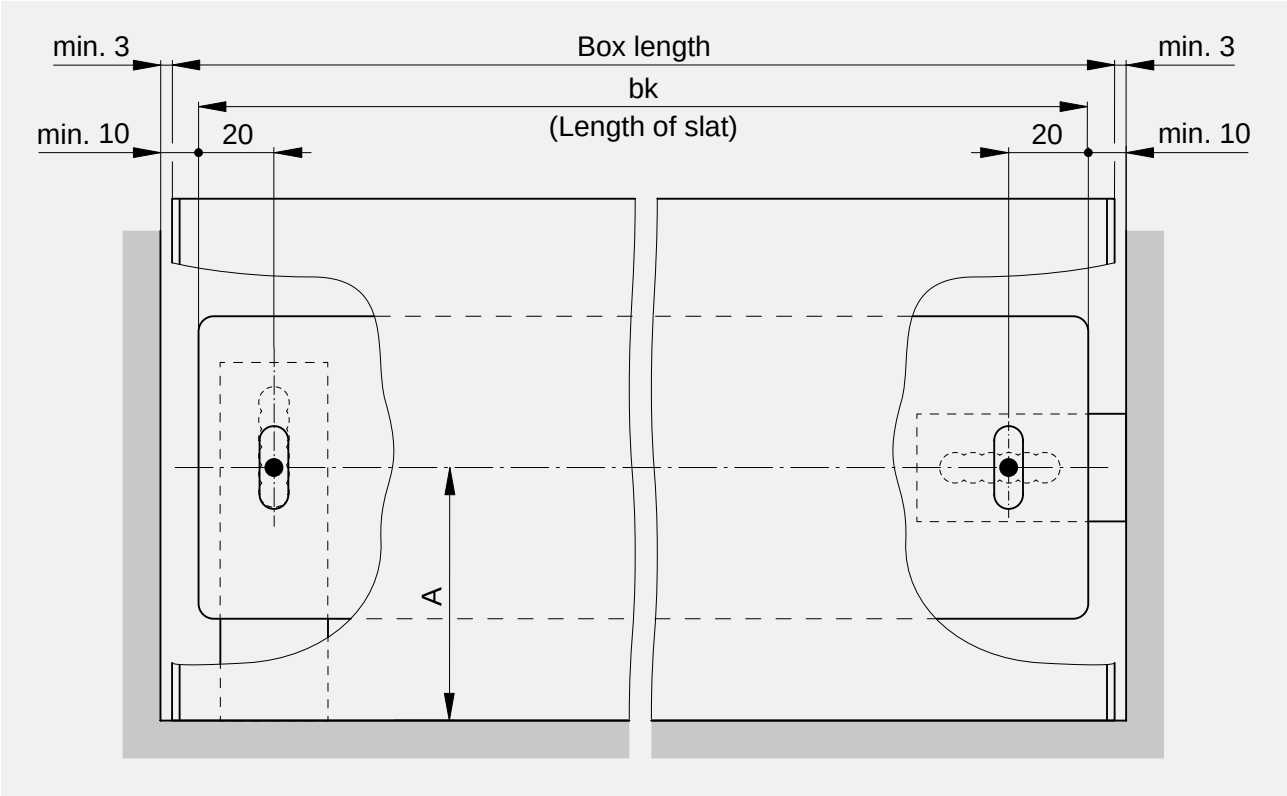
SECTIONS / DETAILS

Horizontal section



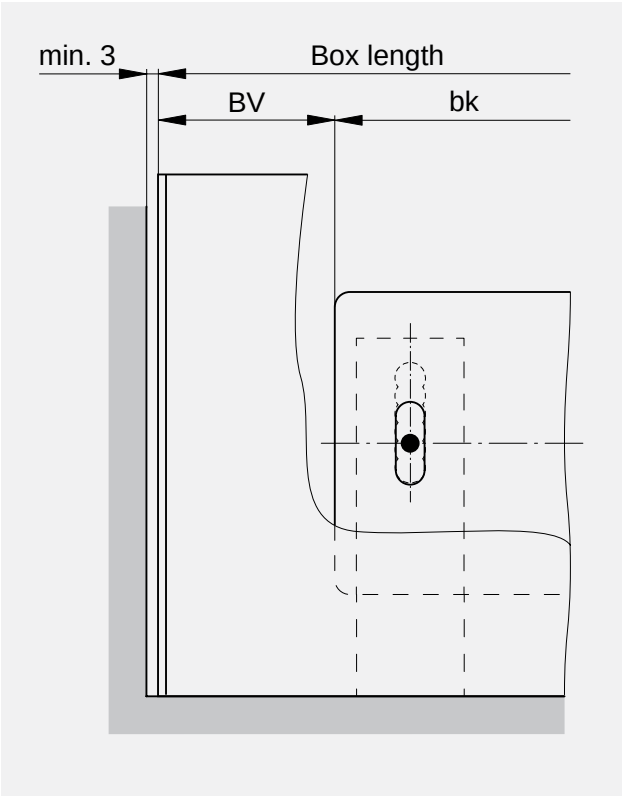
Value for A 61

Horizontal section: Box



Value for A 61

Horizontal section: Box extension



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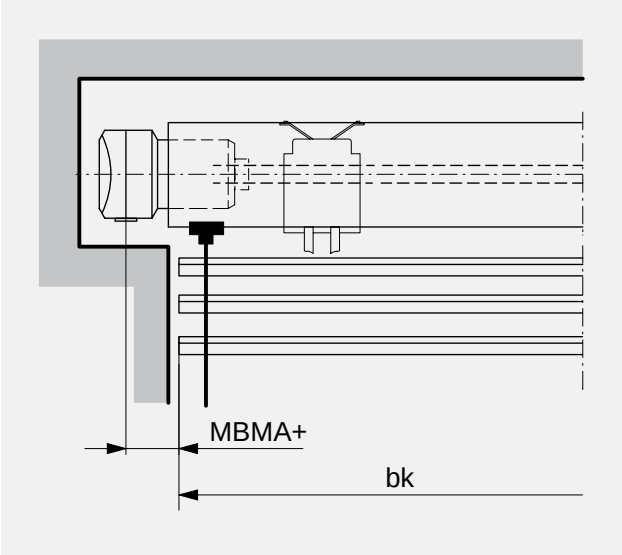
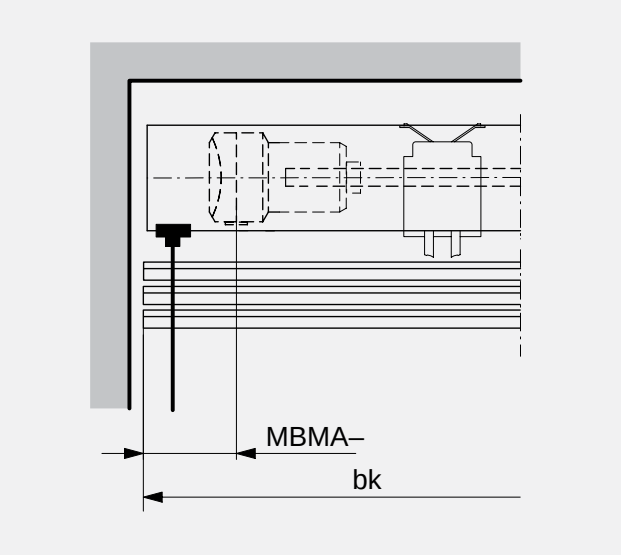
SECTIONS FOR CRANK DRIVE (MBMA)

outside bk



within bk

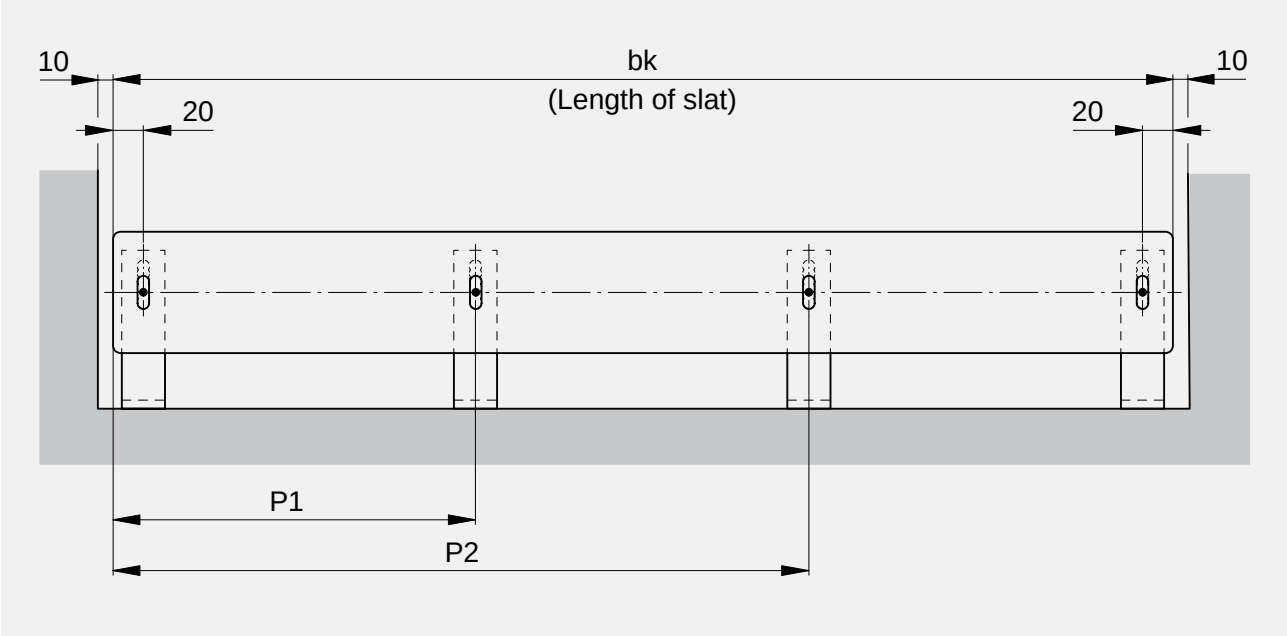


MBMA+[1]	MBMA–
20 … 999	80 … bk/2

[1] For 20 … 44, provide enough niche depth for the housing extension.

ADDITIONAL CABLES (WITHOUT BOX)

Additional cables should be fitted for a bk greater than 3000 and in locations which are exposed to high wind. The dimensions P1 and P2 should be noted in the dimensions sheet. P2 does not apply for the first additional cable.



P1: Position of first cable or cable on left
P2: Position of cable on right

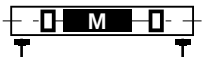
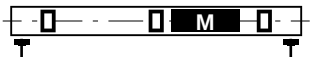
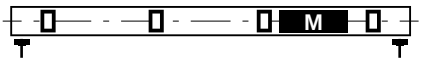
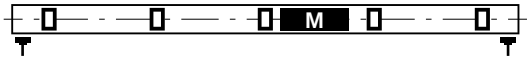
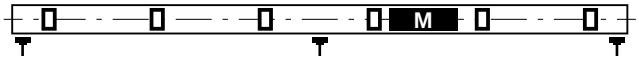
P1/P2 are measured from the left from bk (slat end on left).

Number of additional cables

If no information is provided for P1 or P2, they are positioned according to the following table:

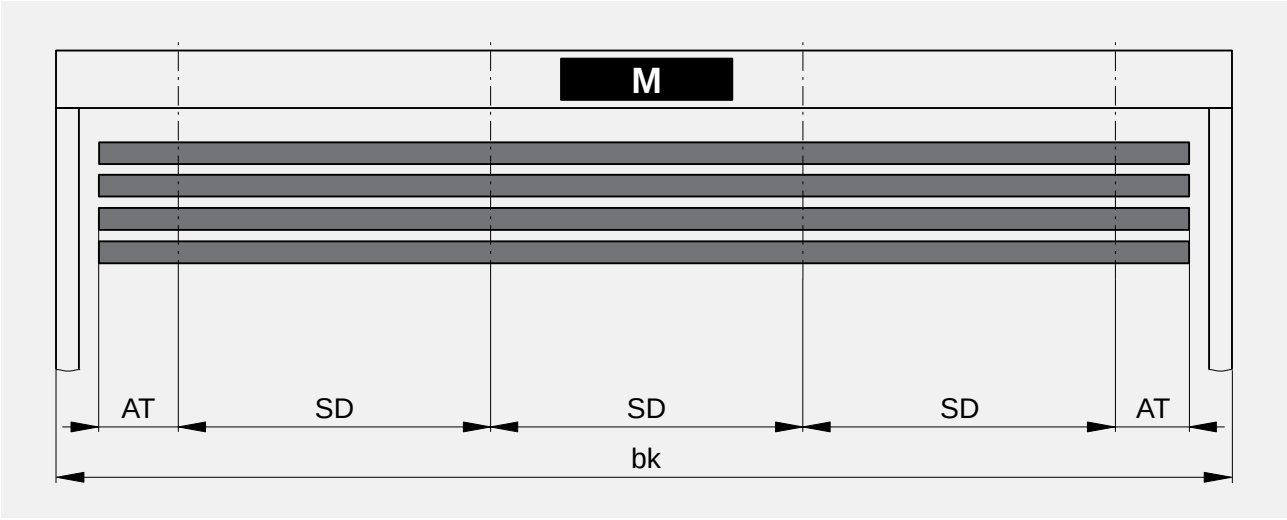
Width max. (bk)	Number of cables	P1	P2
≤ 3000	0	–	–
3001 – 4400	1	bk/2	–
> 4400	2	bk/3	2(bk/3)

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk	Number of bearings	Number of cables	Standard motor position
≤ 1000	2		
1001 – 2000	3	2	
2001 – 2800	4		
2801 – 3000	5		
3001 – 4400	6	3	
> 4400	7	4	

Bearing
Cable
M Motor

BEGINNING DISTANCE | SLOT SPACING



bk	AT min.		SD min.	SD max.
≤ 610	Conventional	50	250*	1000*
	Fix	60		
	Cable	67		
	Fix connected	80		
611 – 1250		100		
> 1250		200		

* Standard slot spacing machine fabrication

Deviations from the standard are posible when:

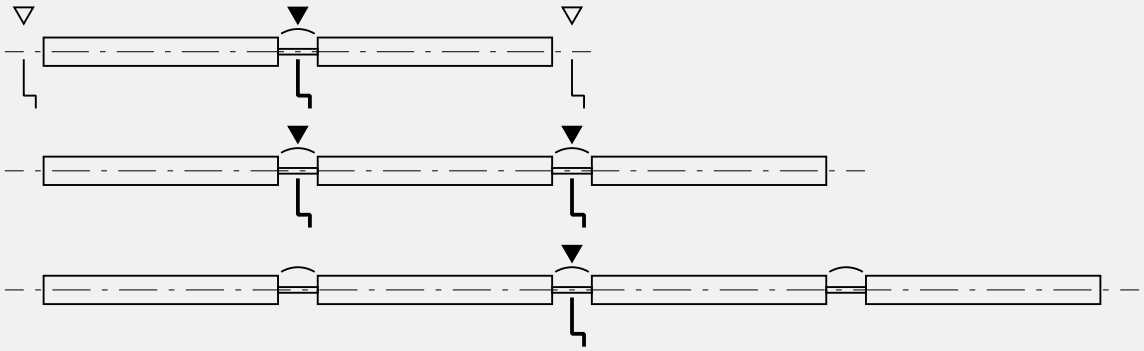
Deviation	Correction
MBMA+ < 40	AT
Support loading too high	AS
Slot spacing < 250	AT + AS
With motor	AT + AS

AT: Beginning distance
Distance from beginning of slat to centre of bearing

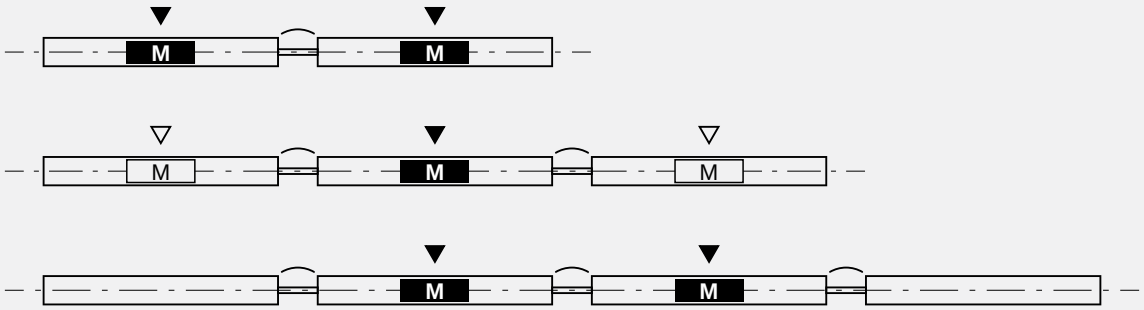
SD: Slot spacing
Distance from centre of bearing (slot) to centre of bearing (slot)

CONNECTED SYSTEMS

With gearbox



With motor



▼ Standard drive position
▽ Possible drive position

Distance between guides FD 136

Opening for connected blinds 136 / 140

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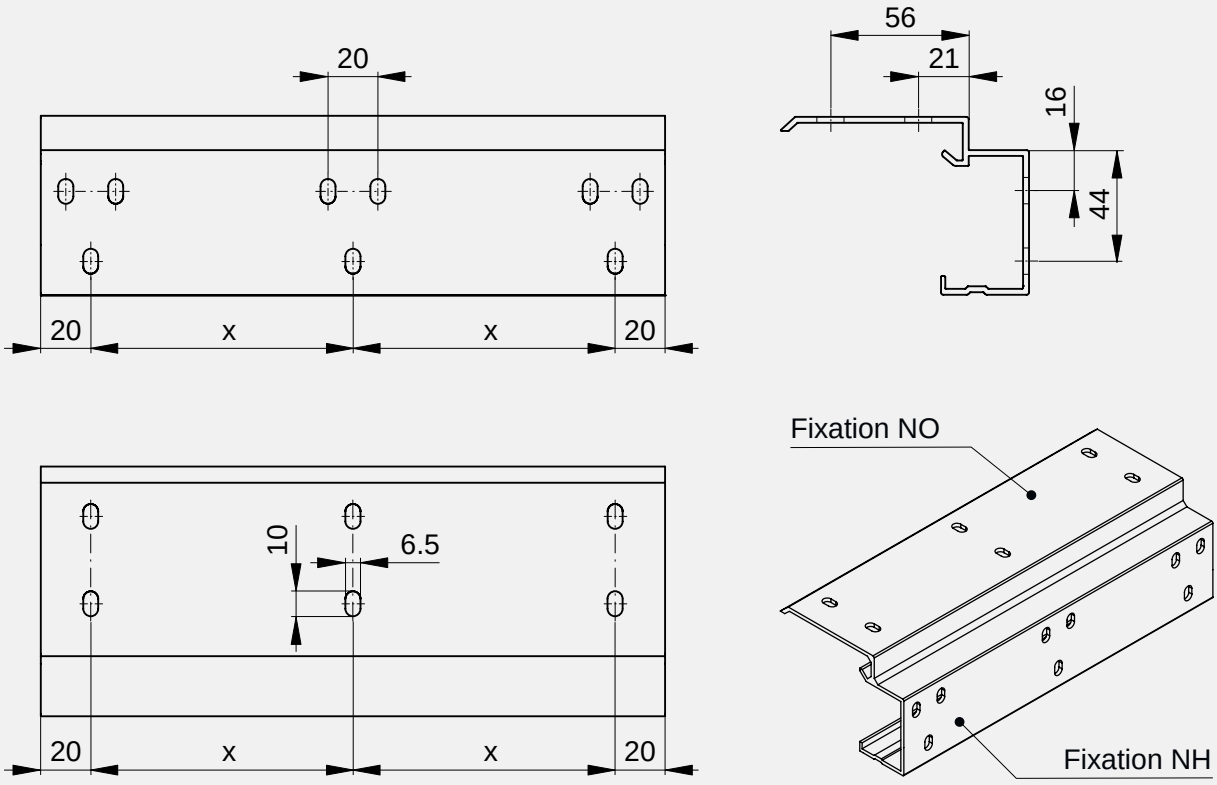
FIXATION FOR BOX BASE PROFILE



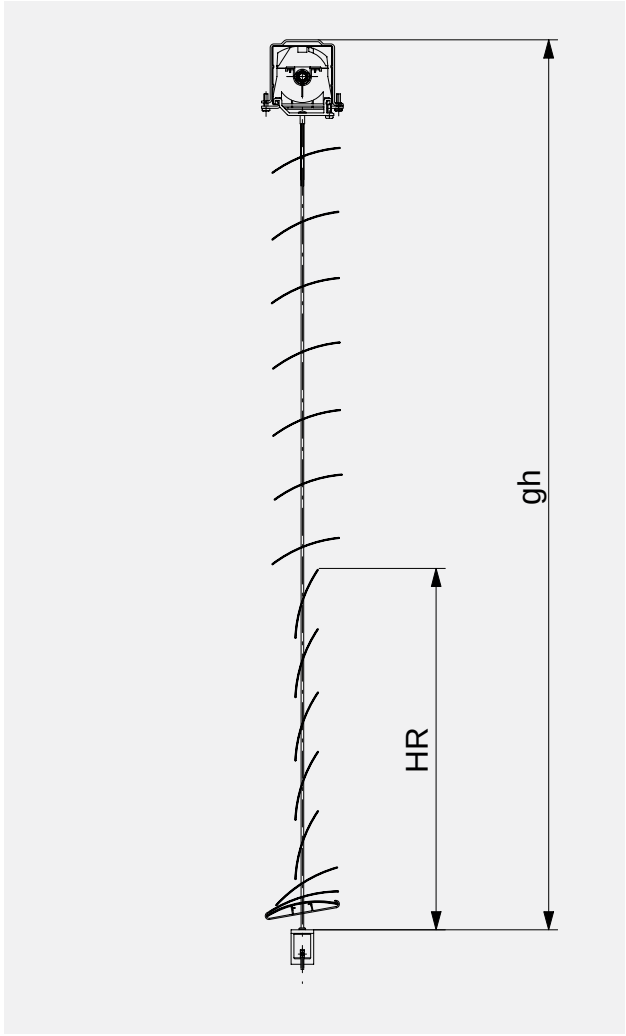
Number of fixation points

bk	Number of fixation points
≤ 2000	2
2001 – 3000	3
3001 – 4000	4
> 4000	5

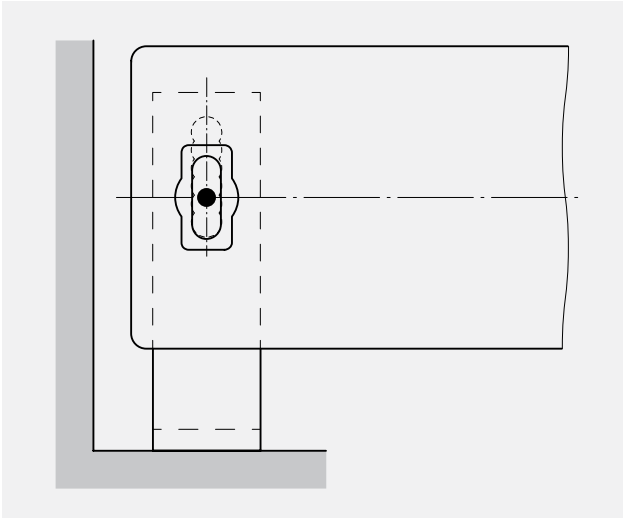
OPTIONS

Aluflex® Reflect

For glare protection at bottom and use of daylight at top.



Feedthroughs with eyelets



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Solomatic® II

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Cable guide version

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LIMIT DIMENSIONS SOLOMATIC® II

Single blind

Operation	Width min. (bk)	Width[2] max. (bk)	Height min. (hl)	Height max. (hl)	Surface[3] max. [m²]
Crank drive	500*	4500	440	4500	11
Motor drive	600				15

Connected systems

Operation	Width[2] max. (bk)	Blinds max.	Surface[3] max. [m²]
Crank drive[1]	10000	4	11
Motor drive[4]			24

The guide distance FD must be at least 15 mm with cable guide.

[1] A max. of 2 blinds may be connected on each side of the gearbox.

* with MBMA– on request (depending on gear position)

LIMIT DIMENSIONS SOLOMATIC® II BOX

Single blind

Operation	Width min. (bk)	Width[2] max. (bk)	Height min. (gh)	Height max. (gh)	Surface[3] max. [m²]
Motor drive	600	4500	605[5] 735[6]	4845[5] 4760[6]	11

Connected systems

Operation	Width[2] max. (bk)	Blinds max.	Surface[3] max. [m²]
Motor drive[4]	10000	4	24

[2] For buildings and high-rise structures, which are exposed to high winds, this maximum value should be decreased as required. Also see wind classes data sheet.

[3] If crank drive is in slat area: maximum surface area and crank position available on request.

[4] For 3 or 4 blinds, the motor should be positioned in the center.

[5] Solomatic® II Box guide rail

[6] Solomatic® II Box cable guide

Definitions of dimensions 102

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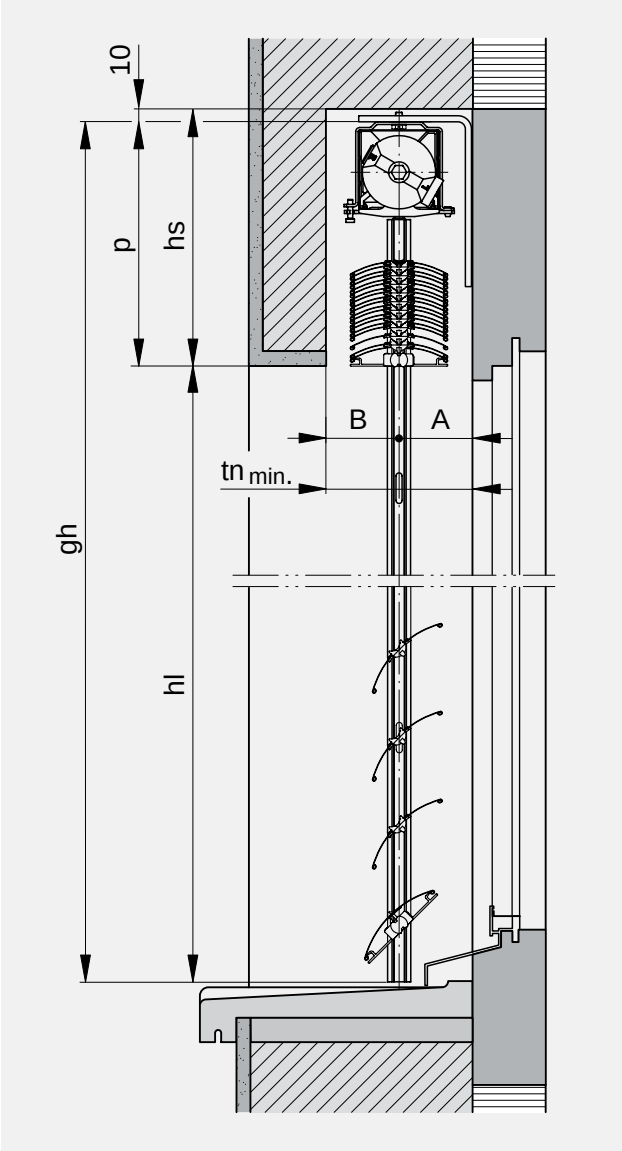
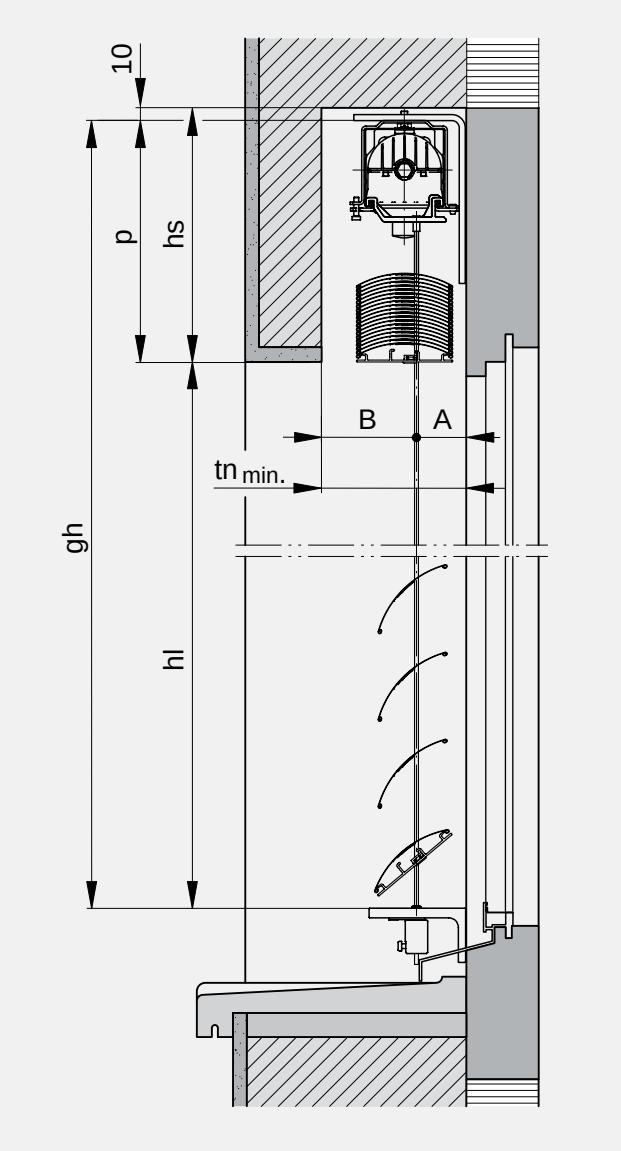
BUILT-IN SYSTEM

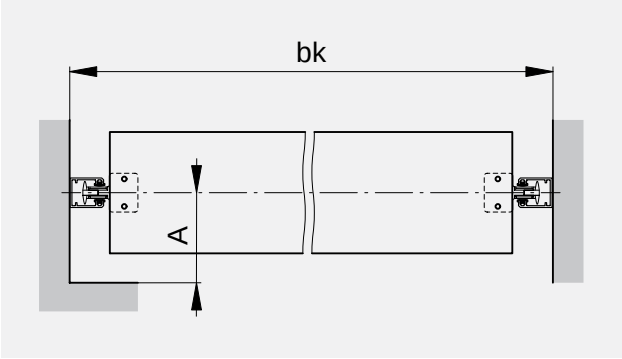
Vertical section: Guide rail conventional



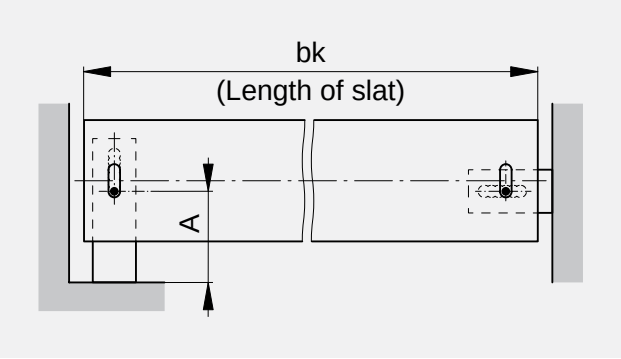
Vertical section: Cable guide



Horizontal section: Guide rail conventional



Horizontal section: Cable guide

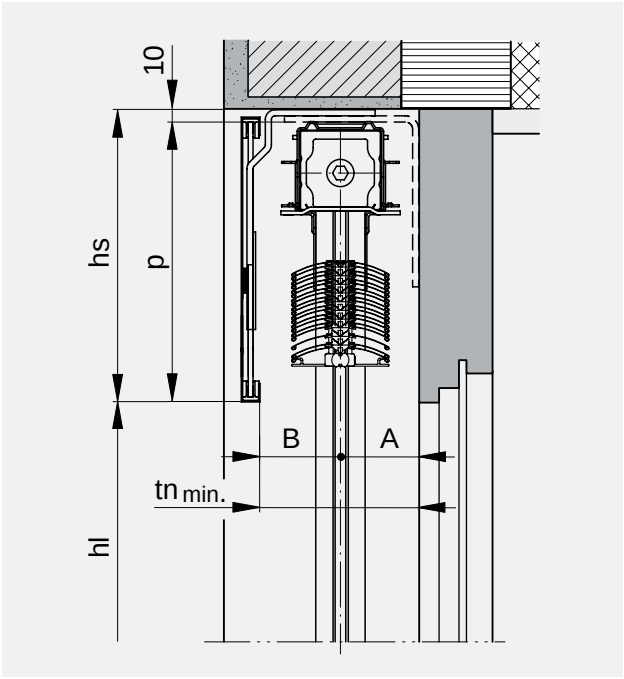


Sections / Details 87 | 91

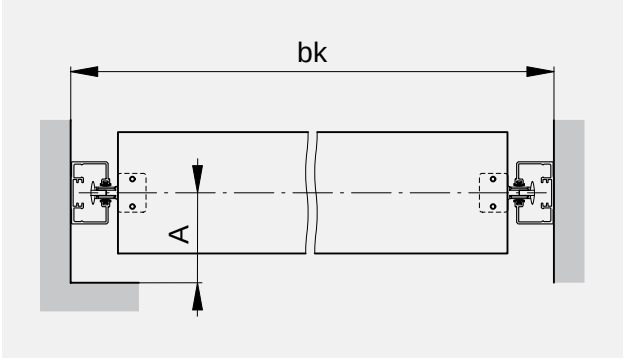
Values for A, B and tn 84

BUILT-IN SYSTEM WITH COVER

Vertical section: Guide rail Fix



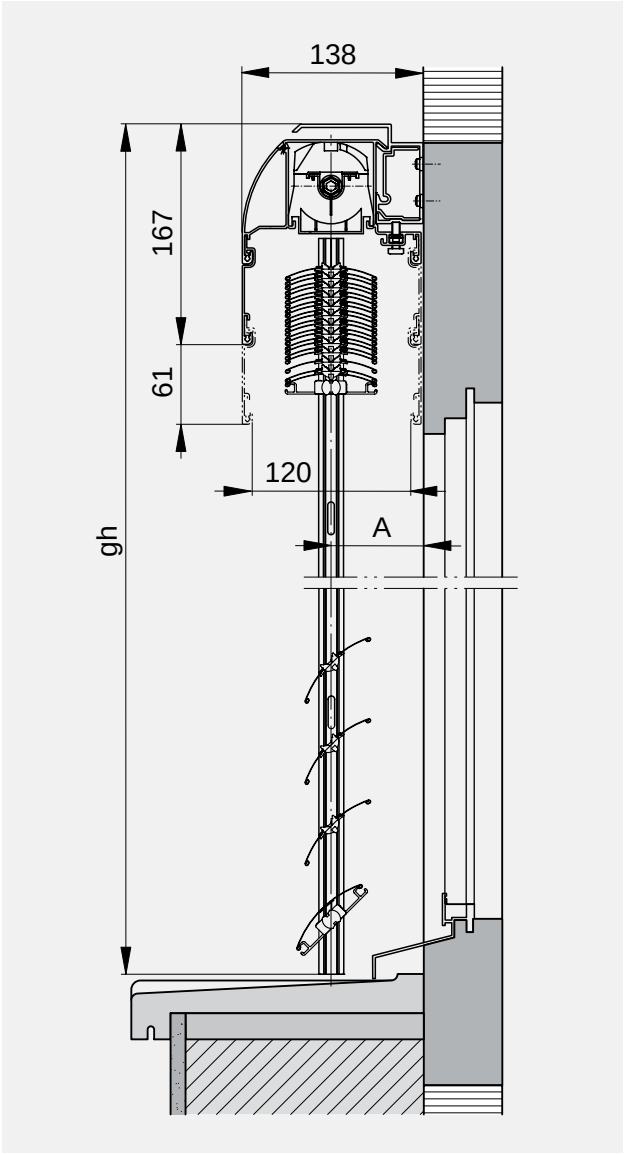
Horizontal section: Guide rail Fix



Sections / Details 87 | 91

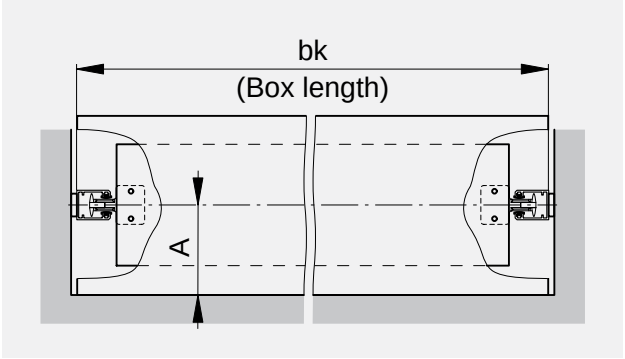
INSTALLATION SYSTEM WITH BOX

Vertical section: Guide rail conventional



Box with slat package covered (standard)

Horizontal section: Guide rail conventional



Values for A, B and tn 84

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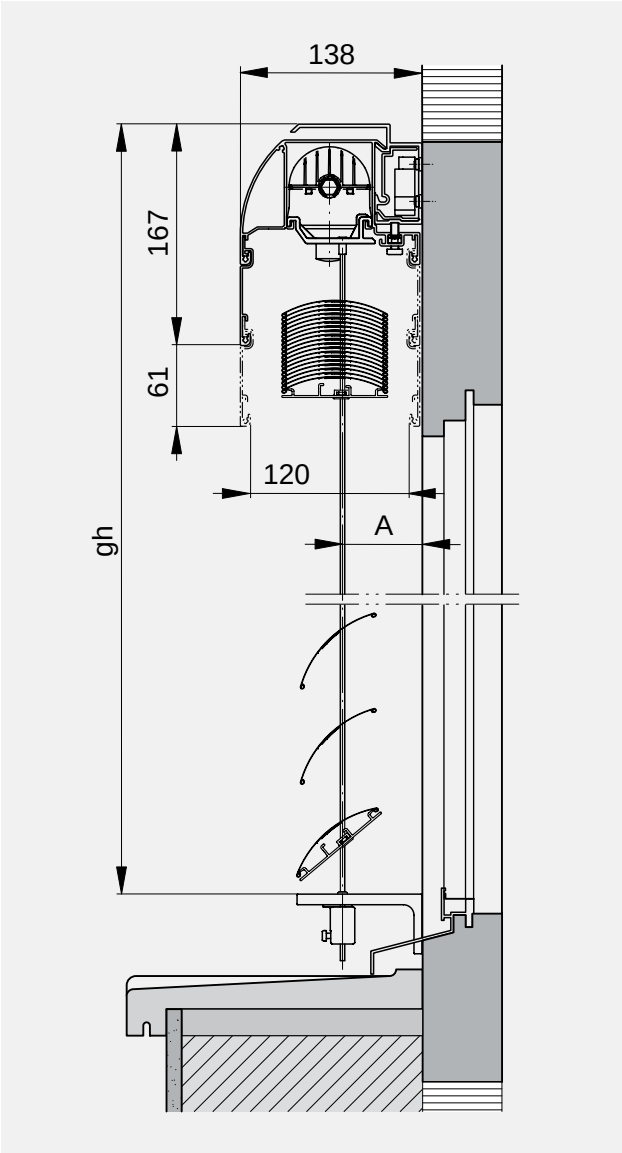
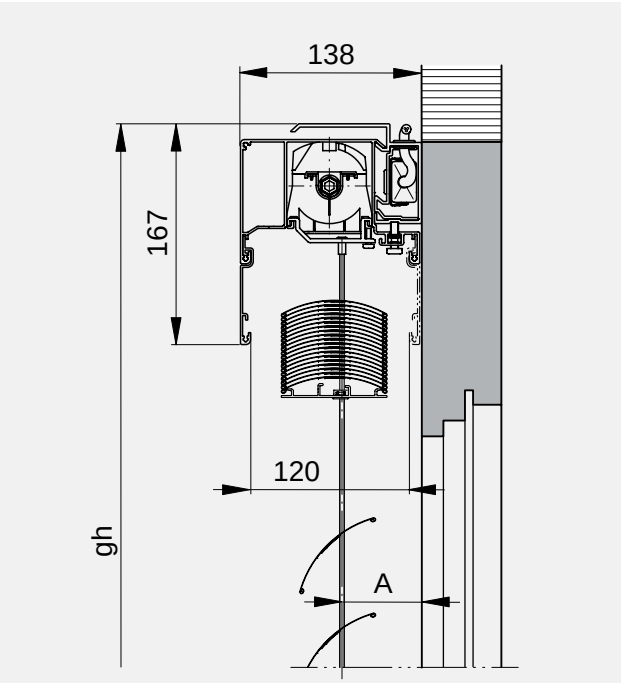
Vertical section: Cable guide



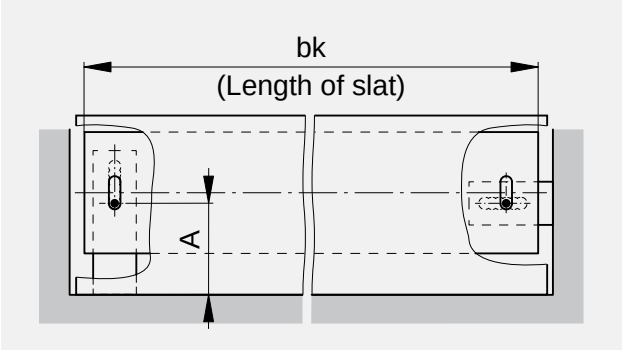
Box with slat package covered (standard)

Vertical section: Box square



Box with slat package visible

Horizontal section: Cable guide



Sections / Details 91

Value for A 84

HEADER DIMENSIONS | HEIGHT OF PACKAGE

Solomatic® II 70

hl →I	P min.	hs[1]	hl →I	P min.	hs[1]
1000	170	180	**3200**	300	310
1200	185	195	**3400**	315	325
1500	200	210	**3500**		330
1700	215	225	**3700**	330	340
2000	230	240	**4000**	345	355
2200	245	255	**4200**	360	370
2500	260	270	**4400**	375	385
2700	275	285	**4500**		390
3000	285	295			

Version	tn min.	A	B
Built-in system			
Guide rail	100*	50	50
Cable guide		40	60
Installation system (box)		70	

Solomatic® II 80

hl →I	P min.	hs[1]	hl →I	P min.	hs[1]
1000	175	185	**3000**	270	280
1100	185	195	**3200**	280	290
1500	195	205	**3500**	290	300
1700	210	220	**3700**	305	315
2000	220	230	**4000**	315	325
2200	230	240	**4200**	325	335
2500	245	255	**4500**	340	350
2700	255	265			

Version	tn min.	A	B
Built-in system			
Guide rail	120*	60	60
Cable guide		50	70
Installation system (box)		70	

[1] With gearbox in slat area: hs + 20.
Solomatic® II Reflect: hs + 5.
Solomatic® II Box: hs + 7.

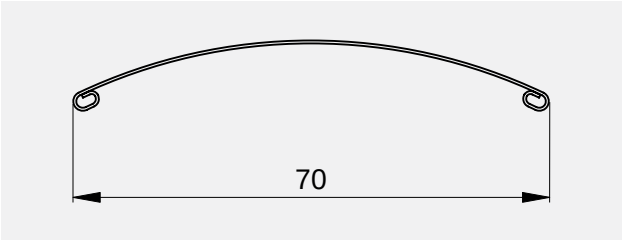
* + possible addition for protruding weatherboard or doorknobs.

Valid for installation of Solomatic® II conventional and Fix and also Solomatic® II with tensioning cable guide.

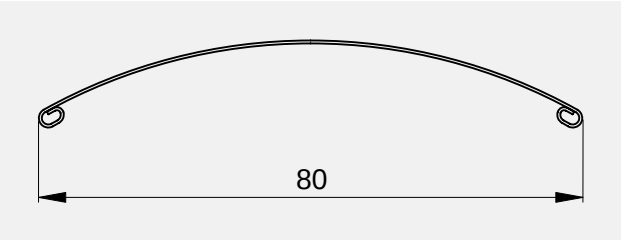
Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances. A dimensional tolerance of ±5 mm is observed for the header height.

SLAT PROFILES

Solomatic® II 70

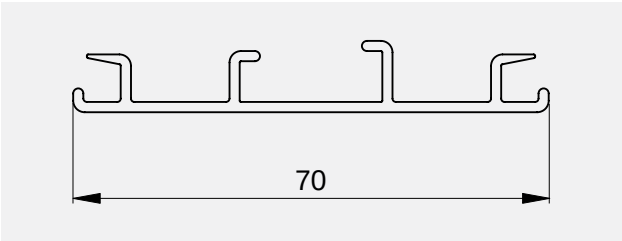


Solomatic® II 80

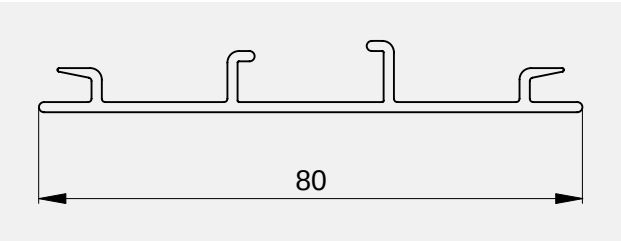


END RAILS

Solomatic® II 70

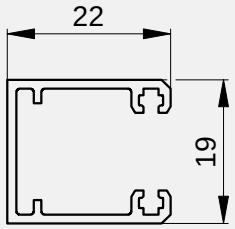


Solomatic® II 80

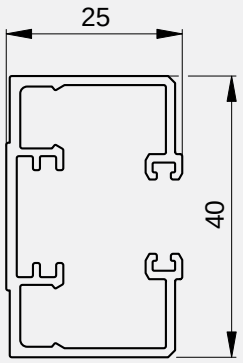


GUIDE RAILS

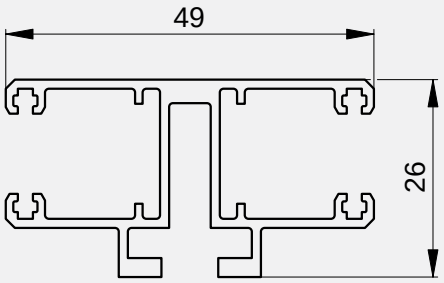
Type E | Single guide



Type F | Fix guide

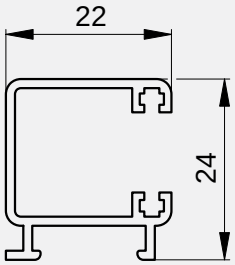


Type D | Double guide

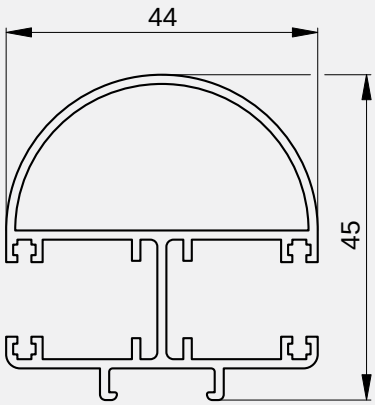


Special guide fastening required

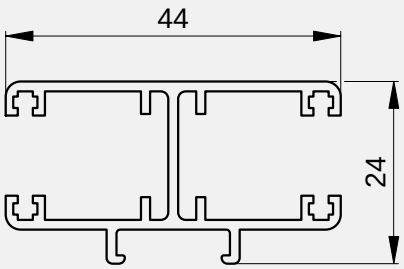
Type C | Single guide



Type R | Curved double guide



Type T | Double guide



- Distance between guides FD 136
- Fastening points 128
- Guide extension and facet 120
- Guide rail fastenings 111
- Guide rail cut-outs in windowsill area 123
- Installation window 127
- Integrated guides 110

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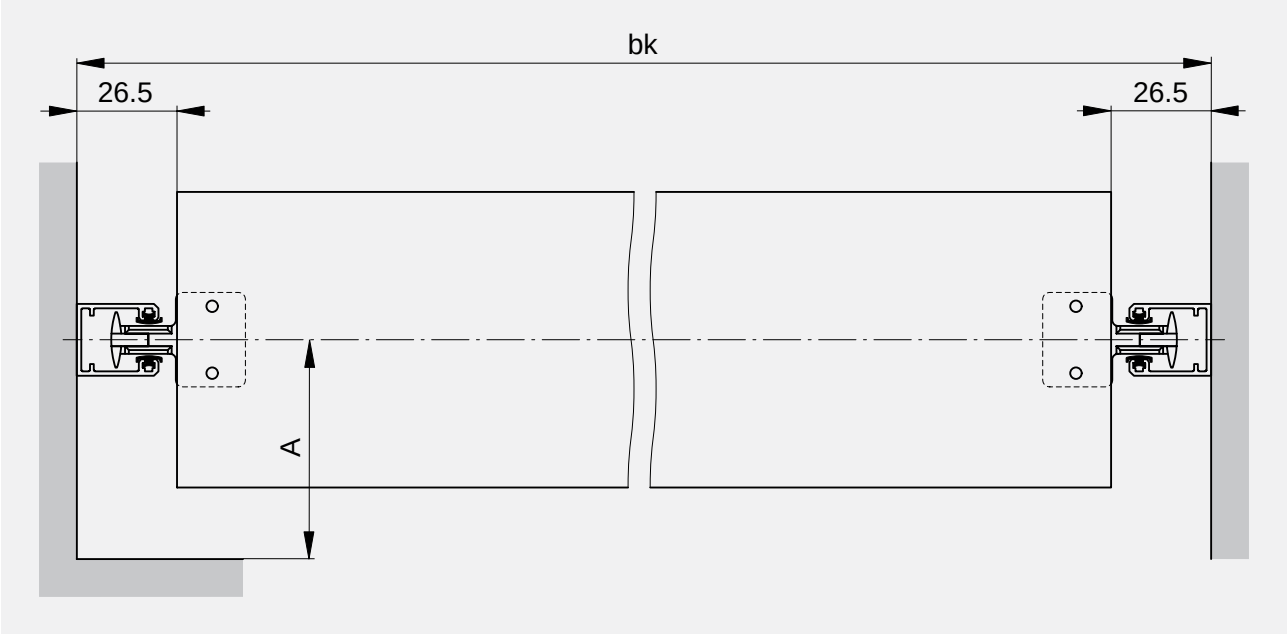
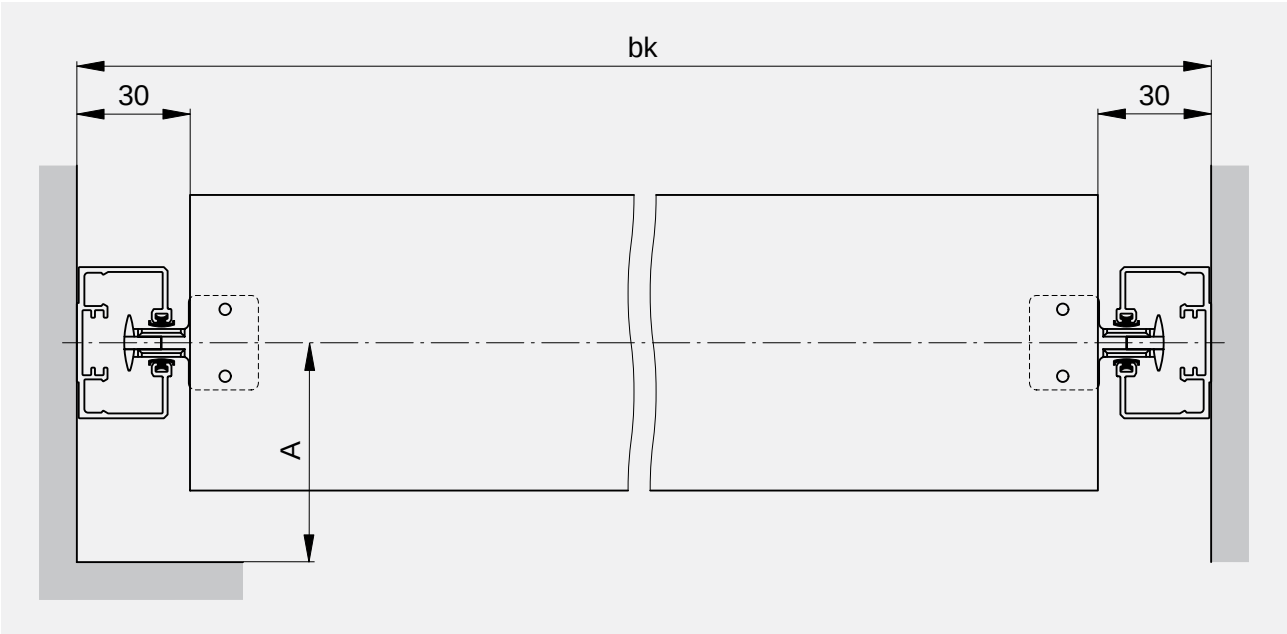
SECTIONS / DETAILS

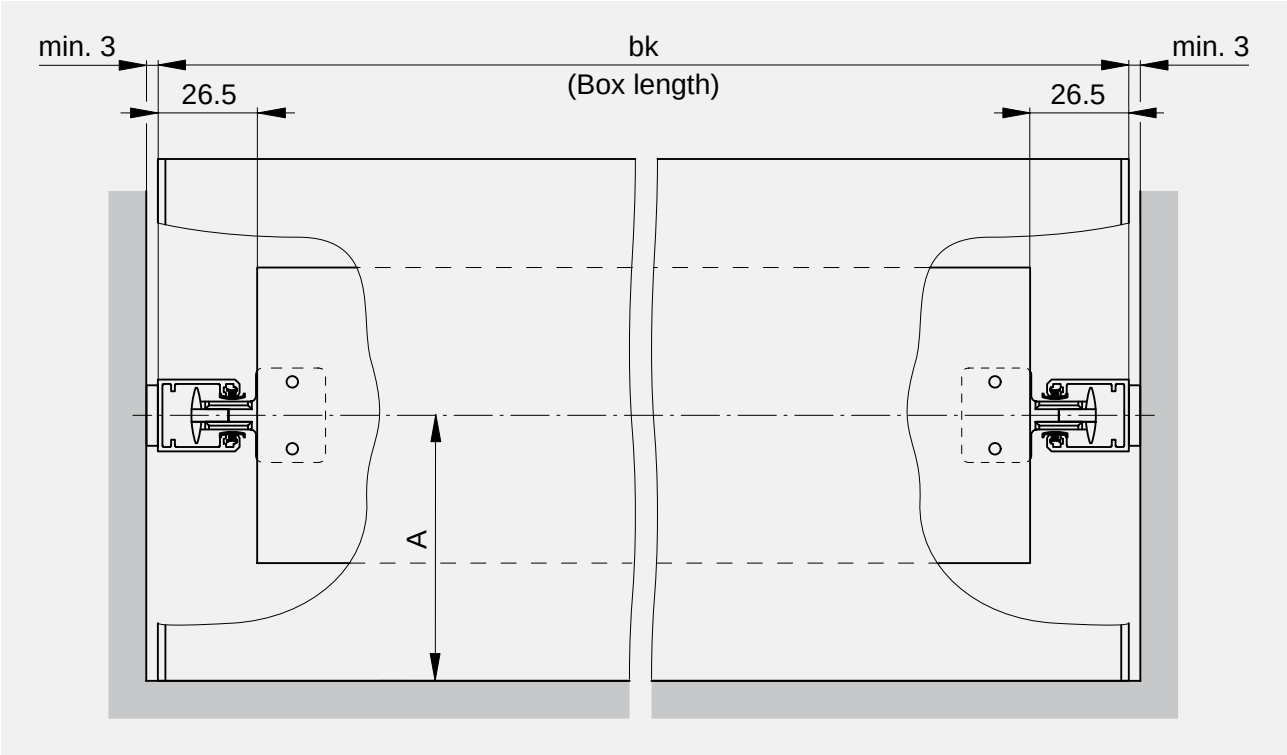
Horizontal section: Guide rail conventional



Horizontal section: Guide rail fix

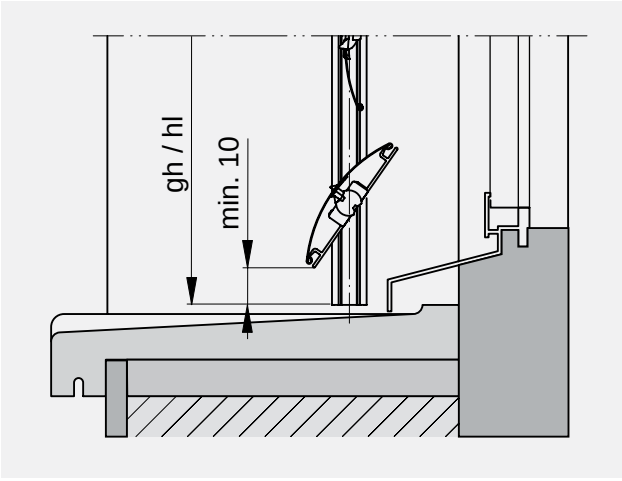


Horizontal section: Box



Value for A 84

Detail at bottom



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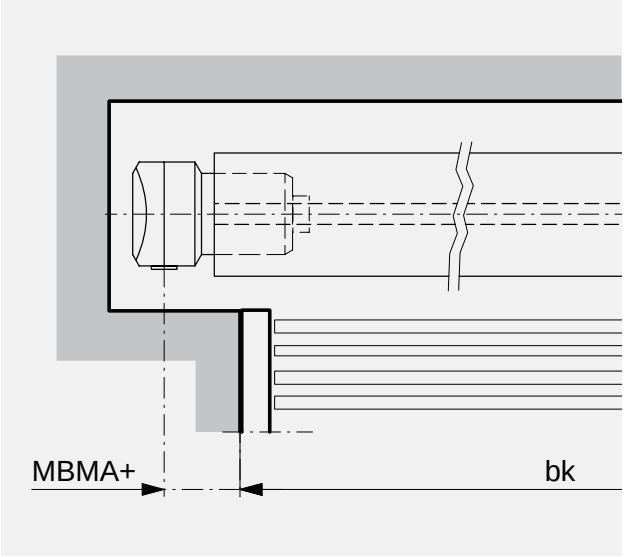
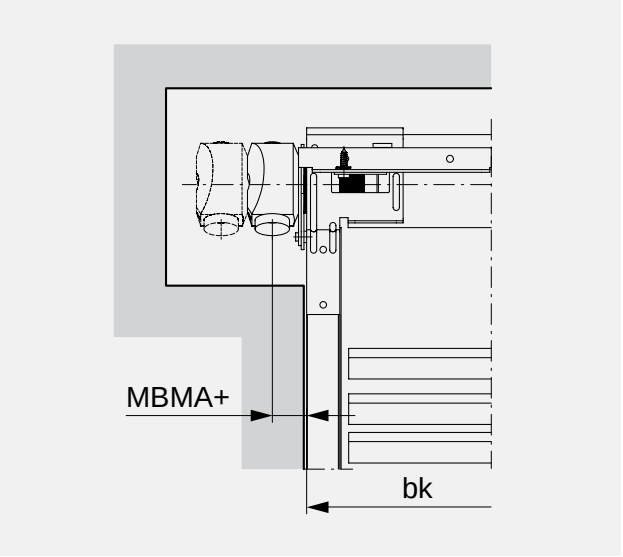
SECTIONS FOR CRANK DRIVE (MBMA)

outside bk

Conventional

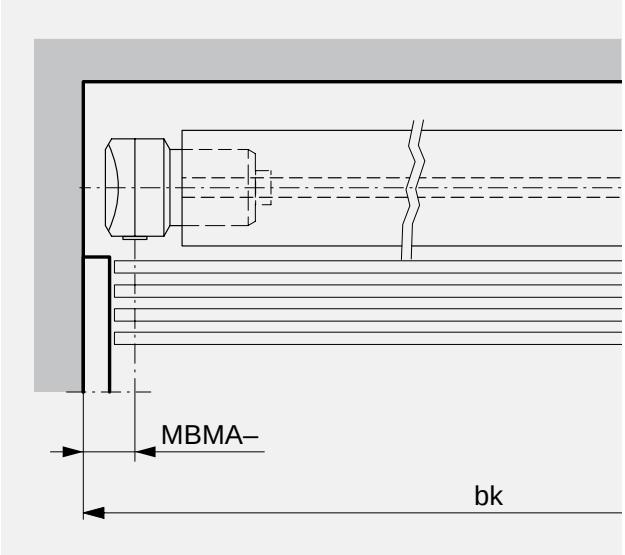


Self-supporting (Fix)

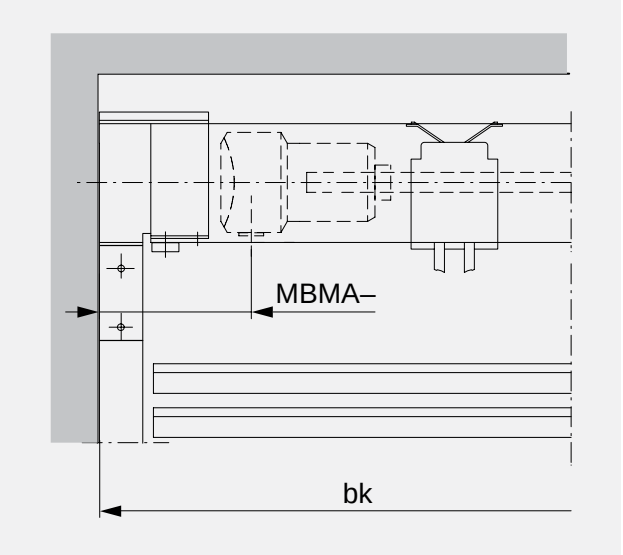


within bk

Conventional



Self-supporting (Fix)

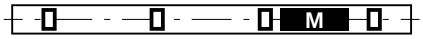


Version	MBMA+	MBMA–
Conventional	0 … 999	0 … bk/2*
Self-supporting (Fix)	26 … 125 (10 … 25)[1]	90 … bk/2

[1] for reverse mounted gearbox

* ≤ 30: Gearbox niche required

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk	Number of bearings	Standard motor position
≤ 1450	2	
1451 – 2450	3	
2451 – 3450	4	
3451 – 4450	5	
> 4450	6	

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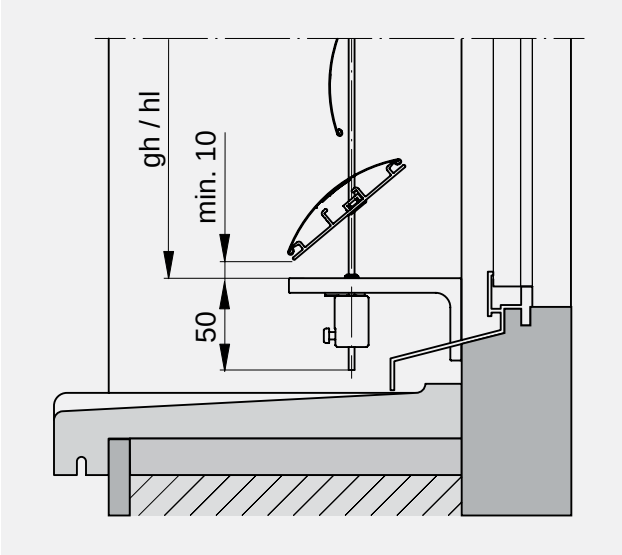
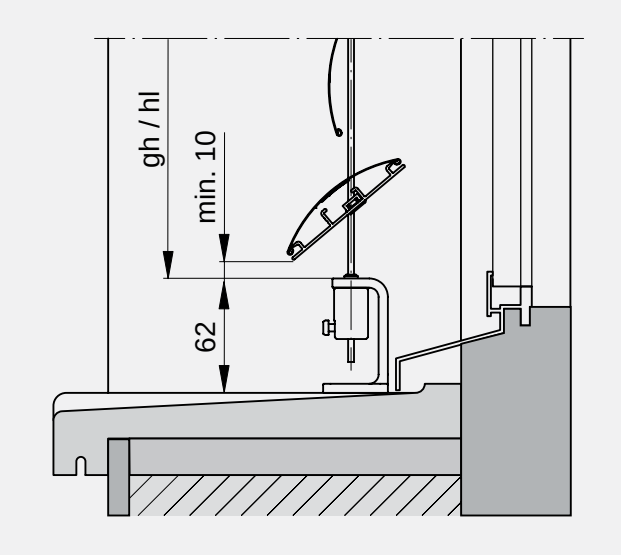
CABLE GUIDE

Soffit- / facade mounting



Cable fastenings 138

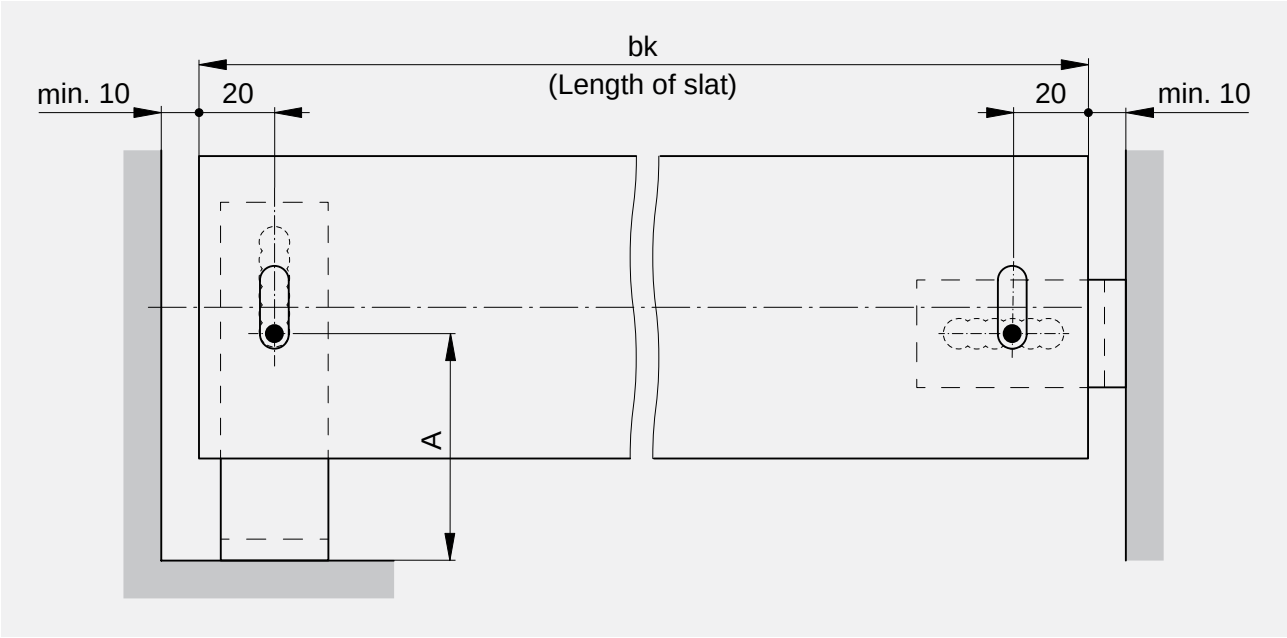
Window ledge mounting



Distance between guides FD 140

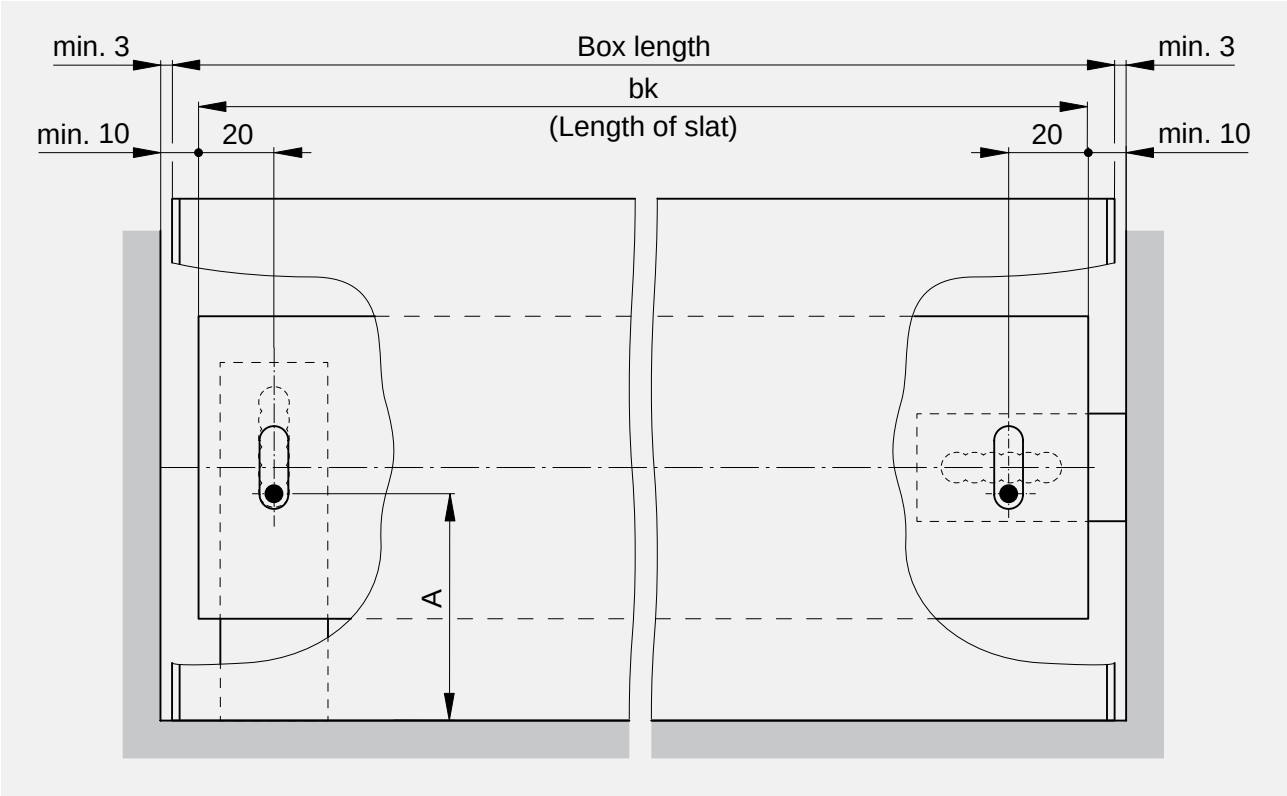
SECTIONS / DETAILS

Horizontal section



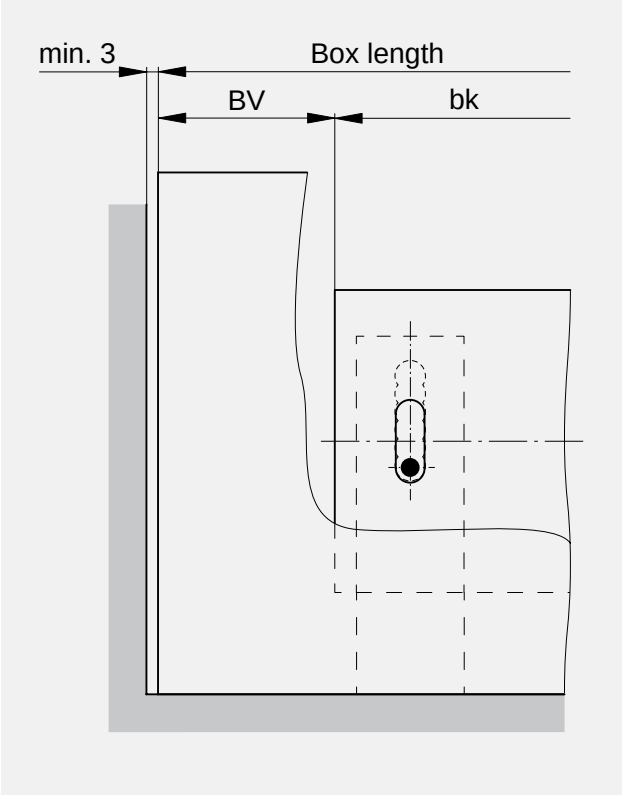
Value for A 84

Horizontal section: Box



Value for A 84

Horizontal section: Box extension



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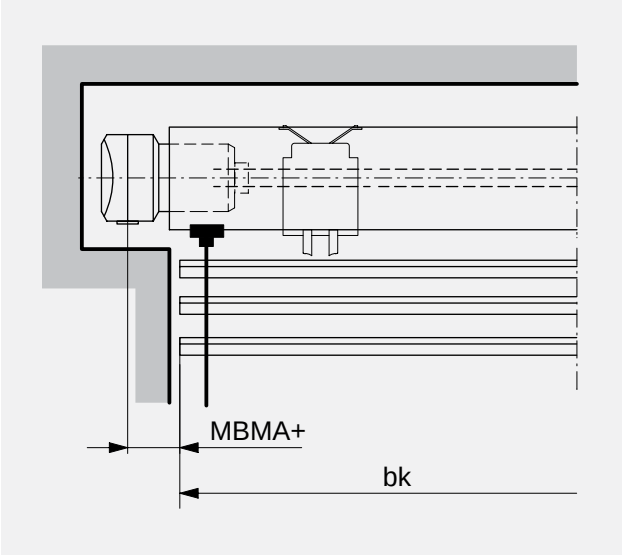
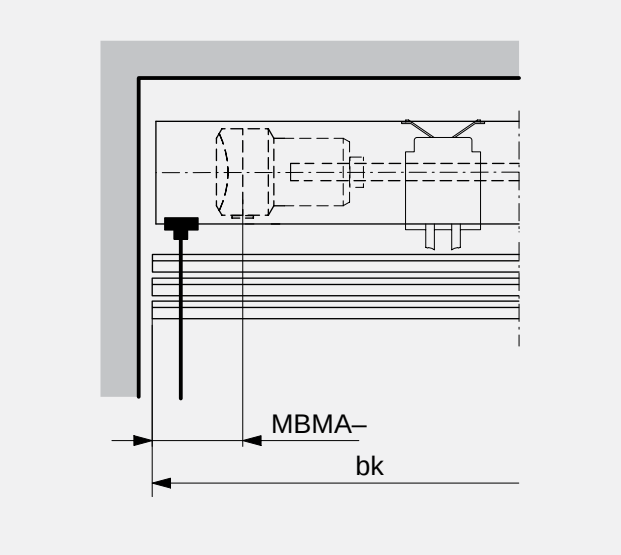
SECTIONS FOR CRANK DRIVE (MBMA)

outside bk



within bk

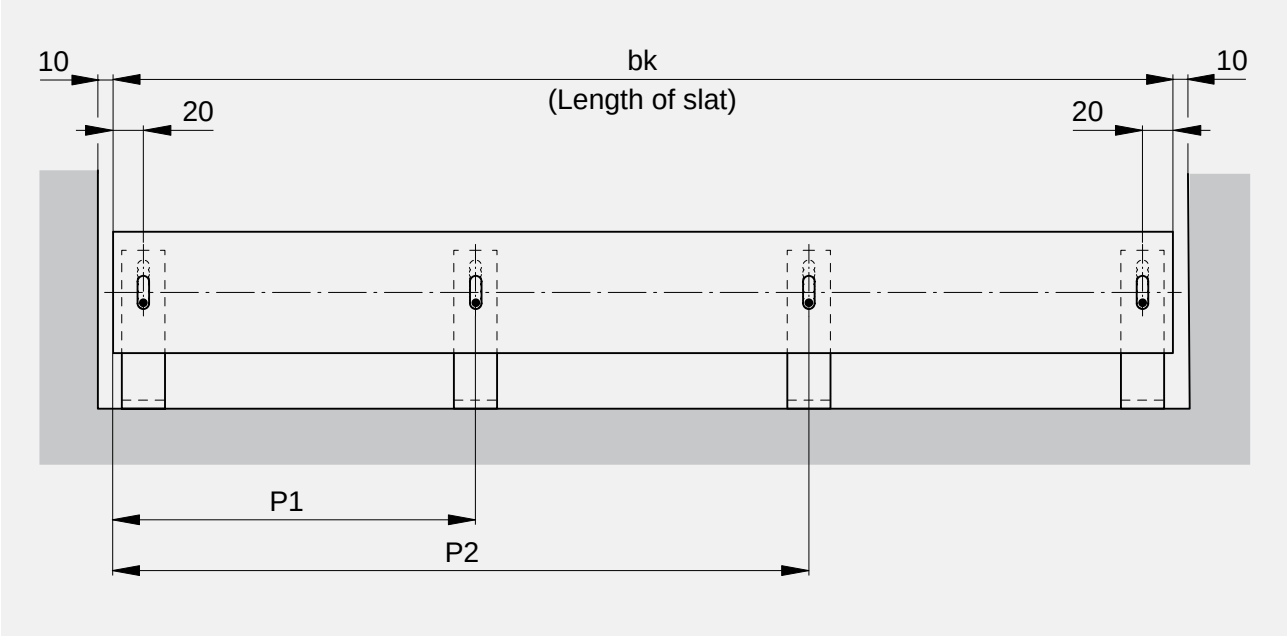


MBMA+[1]	MBMA–
20 … 999	80 … bk/2

[1] With 20 … 44, provide sufficient niche depth for the box extension (min. 80).

ADDITIONAL CABLES

Additional cables must be fitted if bk is greater than 3000 and in locations which are exposed to high wind. The dimensions P1 and P2 should be noted on the dimensions sheet.



P1: Position of first cable or cable on left
P2: Position of cable on right

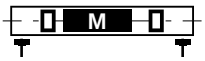
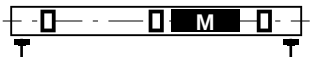
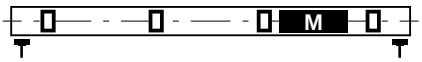
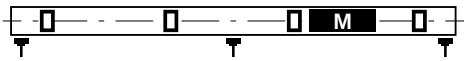
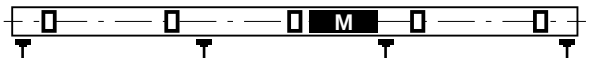
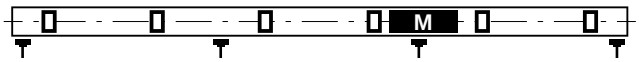
P1/P2 are measured from the left from bk (slat end on left).

Number of additional cables

If no information is provided for P1 or P2, they are positioned according to the following table:

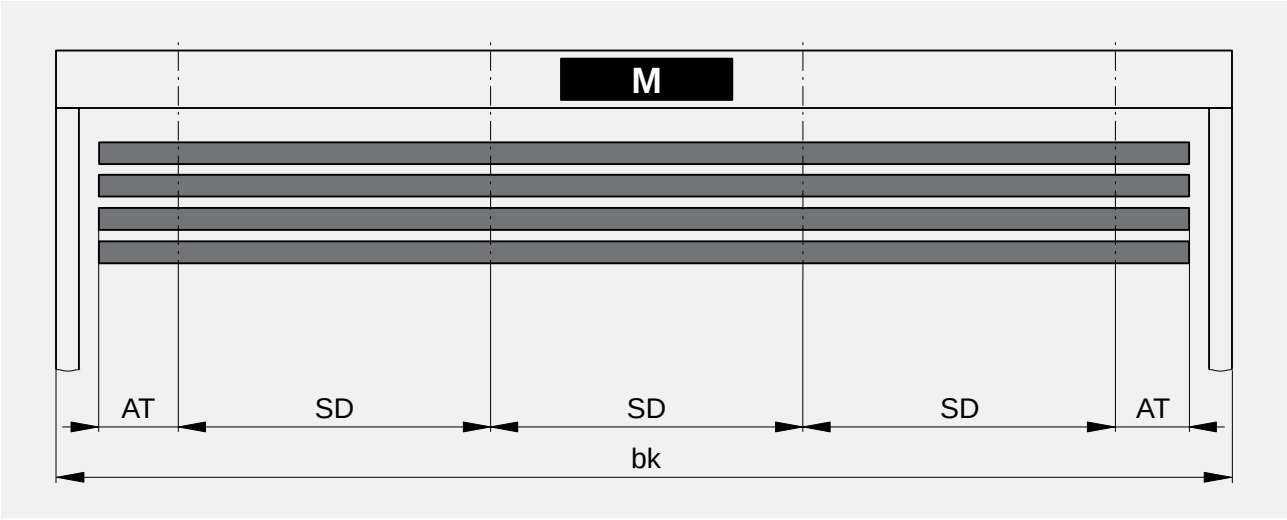
Width max. (bk)	Number of cables	P1	P2
≤ 3000	0	–	–
3001 – 4000	1	bk/2	–
> 4000	2	bk/3	2(bk/3)

VERTICAL CONNECTIONS | STANDARD MOTOR POSITION

bk	Number of bearings	Number of cables	Standard motor position
≤ 1430	2		
1431 – 2430	3	2	
2431 – 3000	4		
3001 – 3430		3	
3431 – 4000	5		
4001 – 4430		4	
> 4430	6		

Bearing
Cable
M Motor

BEGINNING DISTANCE | SLOT SPACING



bk	AT min.		SD min.	SD max.
≤ 610	Conventional	50	250*	1000*
	Fix	60		
	Cable	67		
	Fix connected	80		
611 – 1250		100		
> 1250		200		

* Standard slot spacing machine fabrication

Deviations from the standard are posible when:

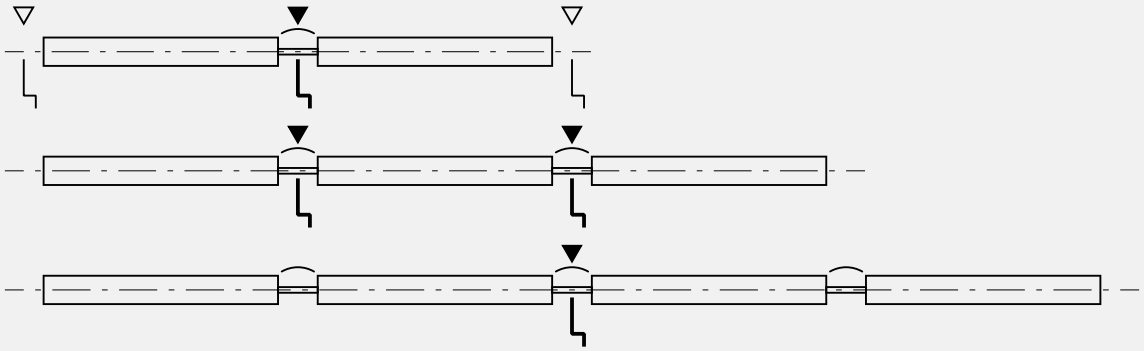
Deviation	Correction
MBMA+ < 40	AT
Support loading too high	AS
Slot spacing < 250	AT + AS
With motor	AT + AS

AT: Beginning distance
Distance from beginning of slat to centre of bearing

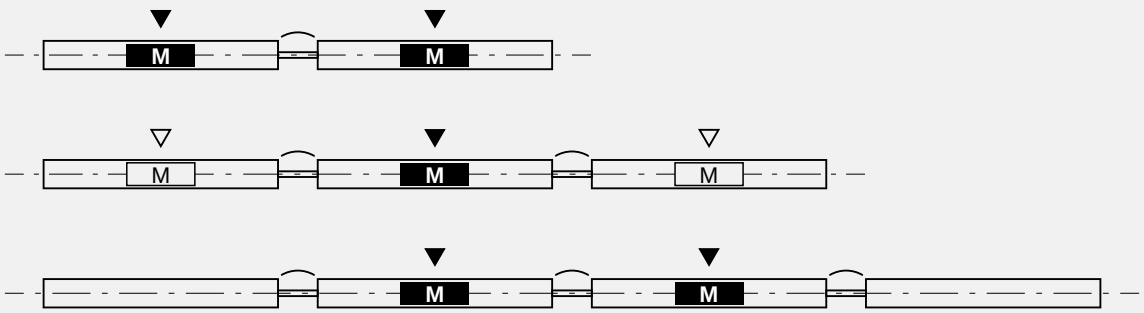
SD: Slot spacing
Distance from centre of bearing (slot) to centre of bearing (slot)

CONNECTED SYSTEMS

With gearbox



With motor



▼ Standard drive position
▽ Possible drive position

Distance between guides FD 136
Opening for connected blinds 136 / 140

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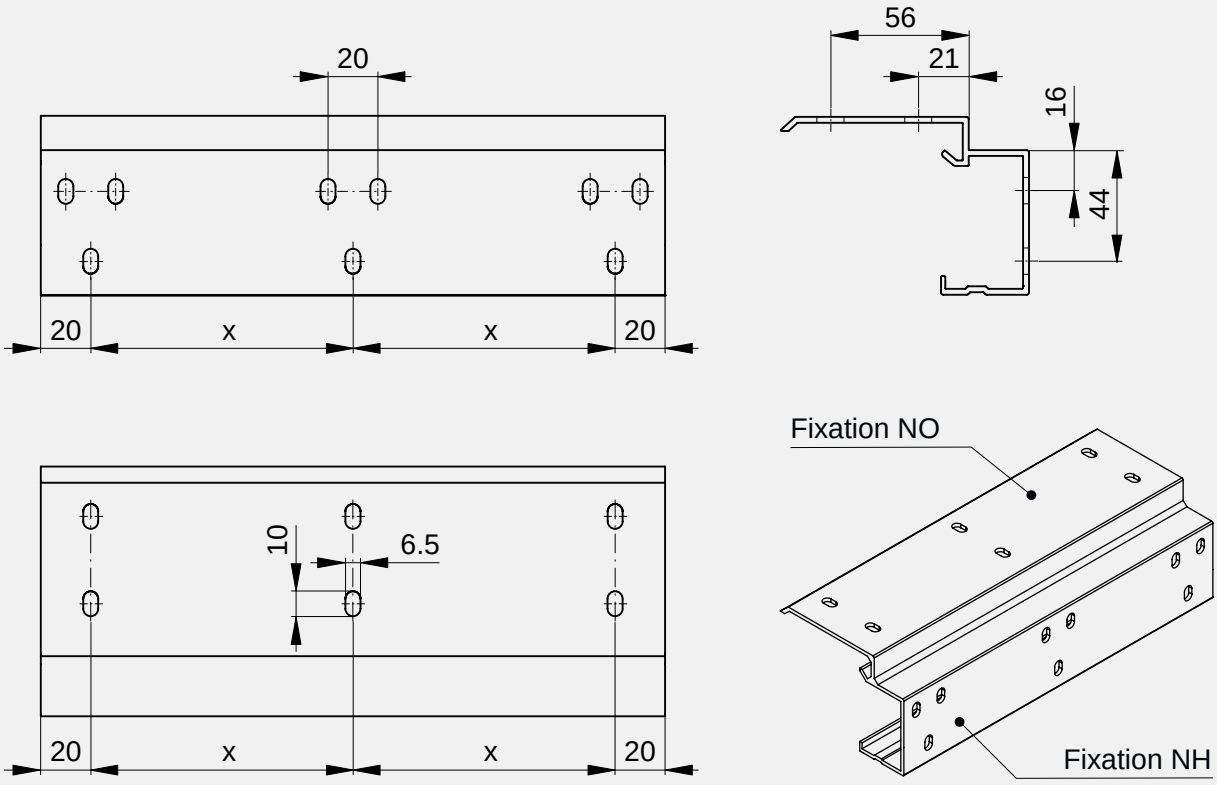
FIXATION FOR BOX BASE PROFILE



Number of fixation points

bk	Number of fixation points
≤ 2000	2
2001 – 3000	3
3001 – 4000	4
> 4000	5

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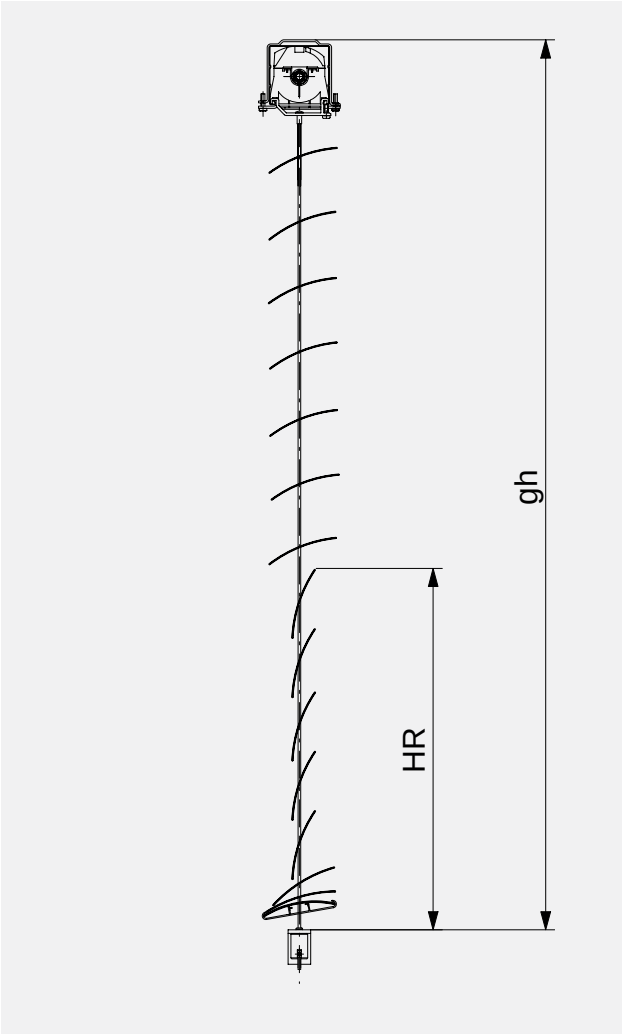
OPTIONS

Solomatic® II Reflect

For glare protection at bottom and use of daylight at top.



HR

Standard: 1/3 from gh

Planning

DEFINITIONS OF DIMENSIONS 102
INSTALLATION BASE 106

Guide rail version
GUIDE RAIL INSTALLATION (PRINCIPLE) 107
GUIDE RAIL FASTENINGS (PRINCIPLE) 111
GUIDE EXTENSION AND FACET 118
GUIDE EXTENSION FOR WINDOW SILL INSTALLATION 123
GUIDE RAIL END FOR SUSPENDED GUIDES RAILS 123
GUIDE RAIL CUT-OUTS IN WINDOWSILL AREA 124
INSTALLATION WINDOW 126
FASTENING POINTS 128
DISTANCE BETWEEN GUIDES FD 136
OPENING FOR CONNECTED BLINDS 136

Cable guide version
CABLE FASTENINGS 138
DISTANCE BETWEEN GUIDES FD 140
OPENING FOR CONNECTED BLINDS 140

HOUSING FASTENING 141
NUMBER OF BOX SUPPORTS 143

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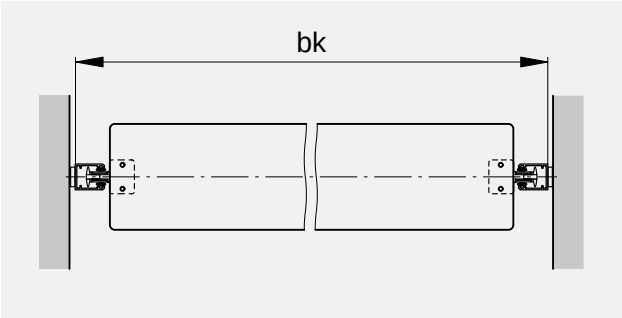
DEFINITIONS OF DIMENSIONS

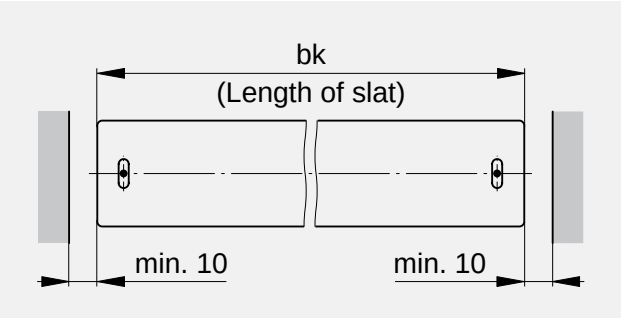
- Dimensions should always be viewed from **inside out**.
- Unspecified dimensions are defined by the products.
- Situations designed with uniform guide profiles.

bk

For guide rails

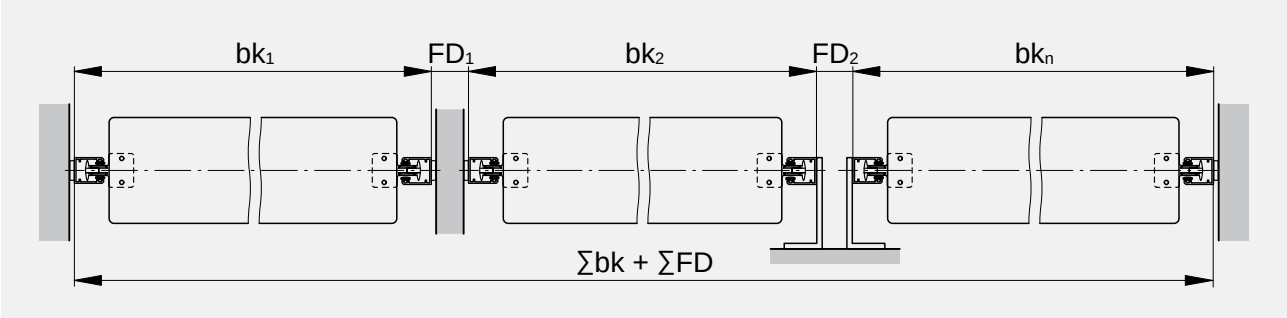


For cable guide

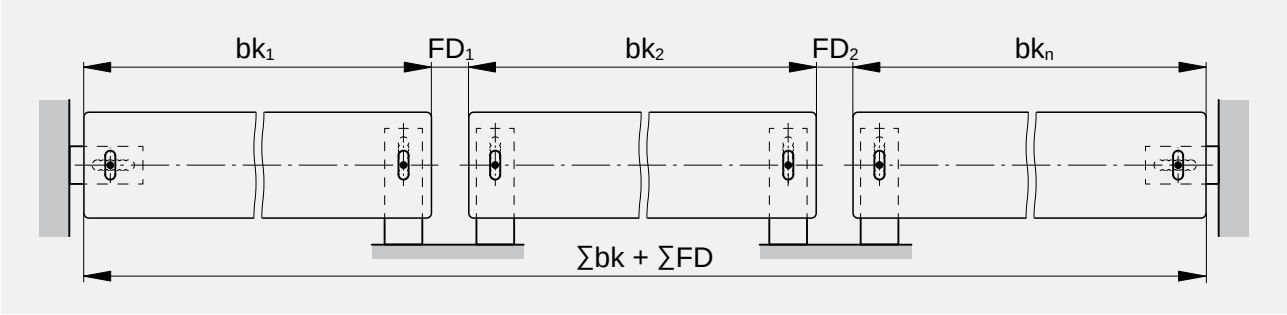


System width (Connected Systems)

For guide rails



For cable guide



bk: Construction width
FD: Distance between guides

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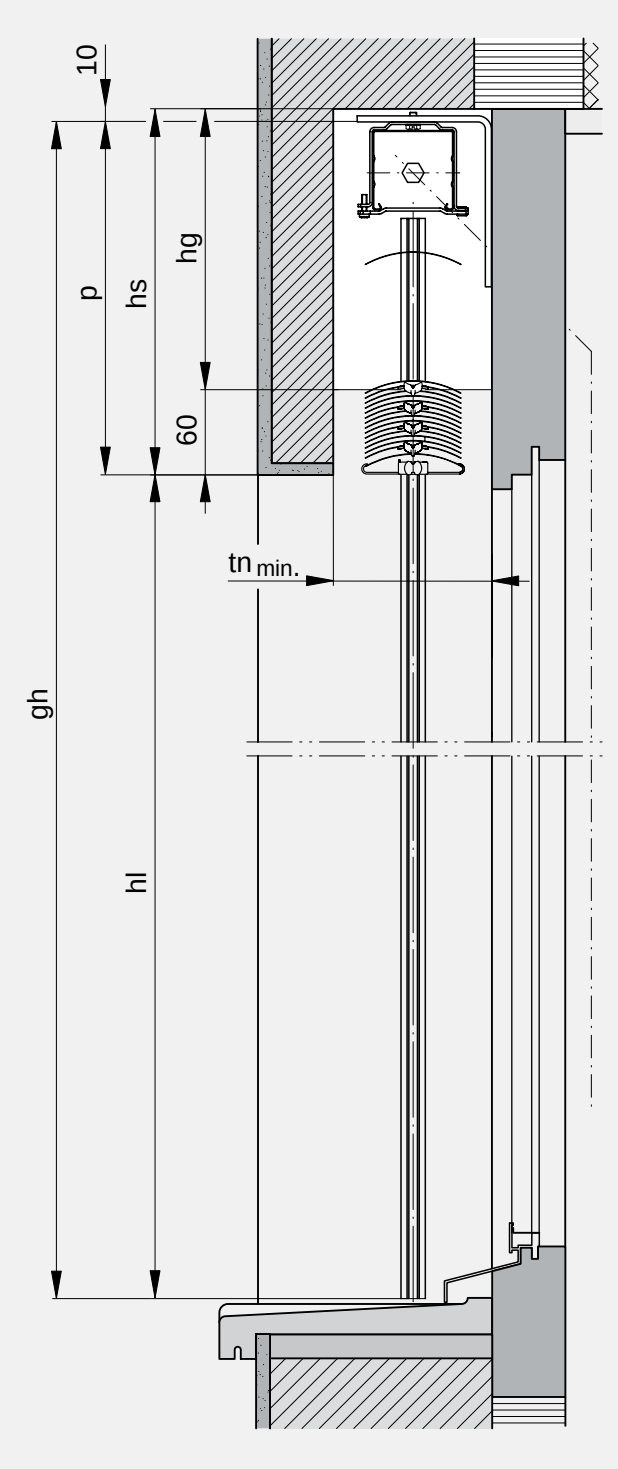
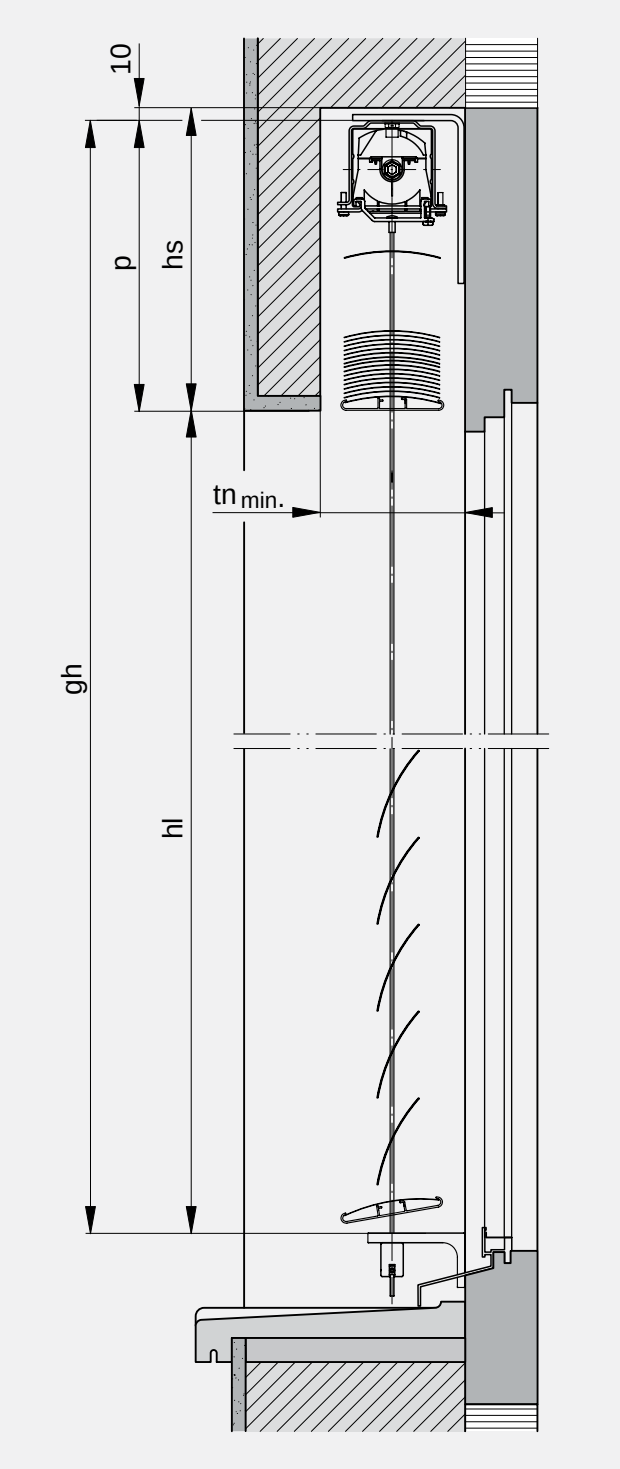
hl, hs, gh, p

For guide rails



hl, gh at bottom: Bottom edge of guide rail

For cable guide



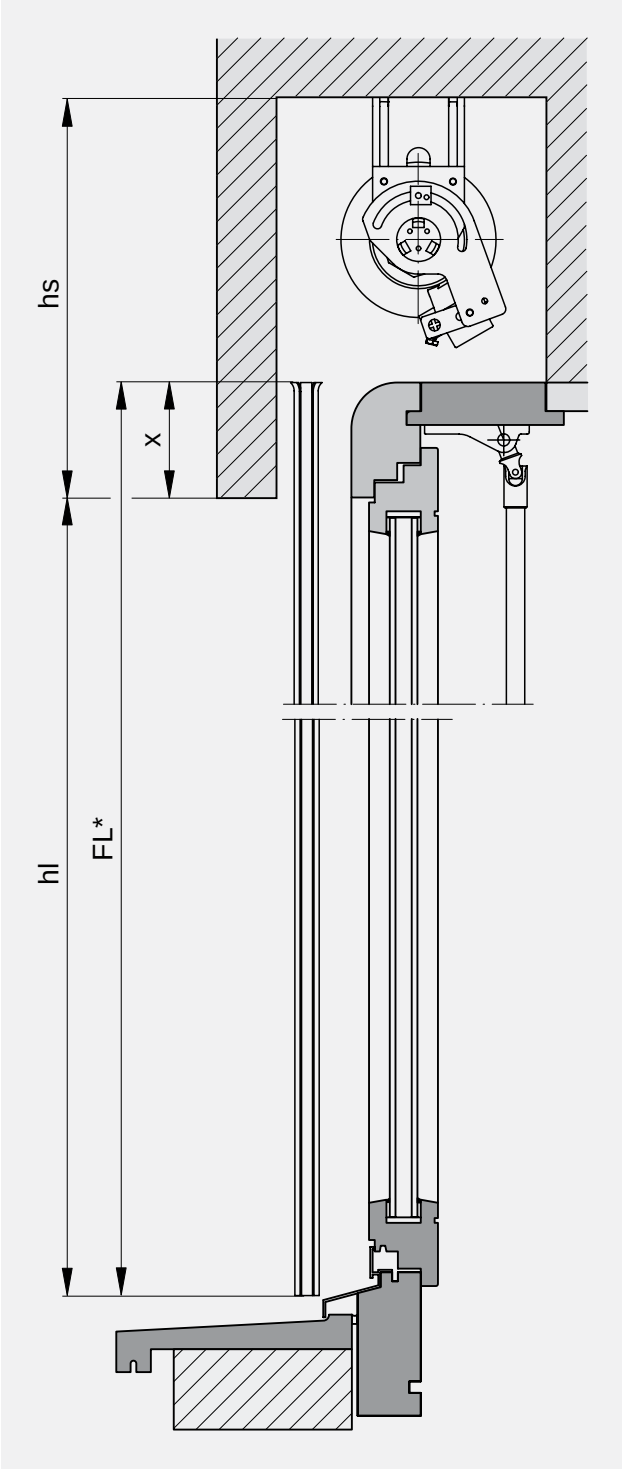
hl, gh at bottom: Top edge of cable fastening

gh: Overall height (hl + p)
hg: Height of gearbox recess
hl: Finished clear height

hs: Header height
p: Height of package
tn: Niche depth

FL, hl, hs, x

Solomatic® R



* with storm guide: hl + x + 20

FL: Length of guide (hl + x)
hl: Finished clear height
hs: Header height

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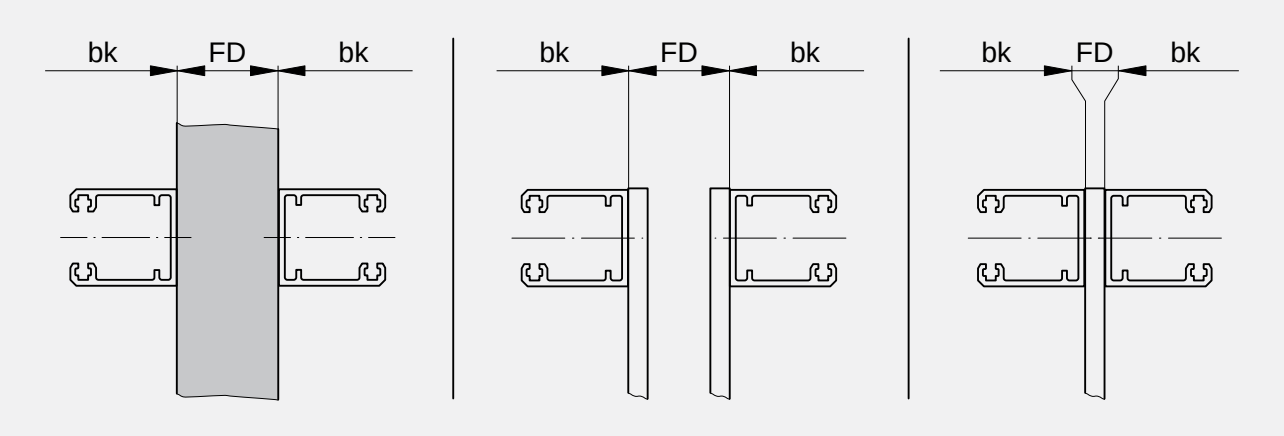
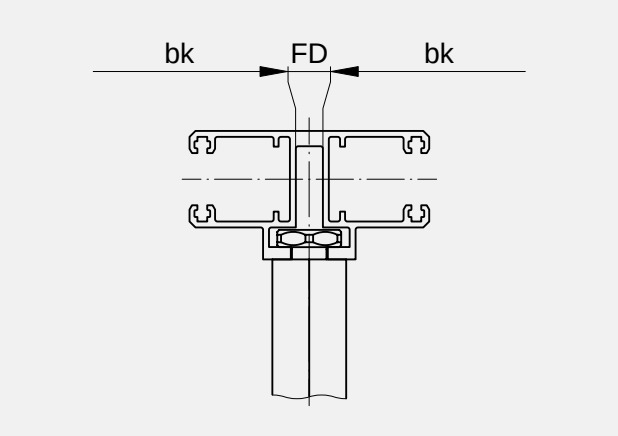
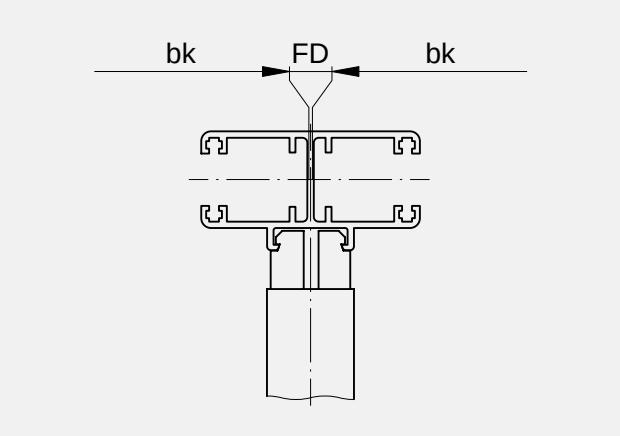
Distance between guides FD

For guide profiles

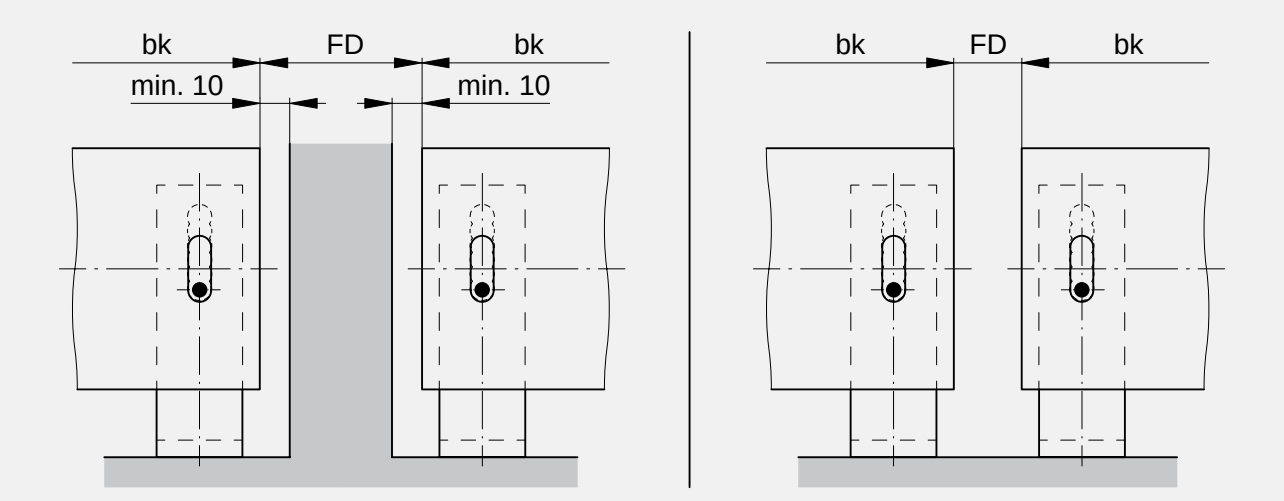






FD: Rear edge of guide rails

For cable guide



FD: Slat end – slat end

For blinds situated directly next to each other: horizontal distance between the slats at least 15.

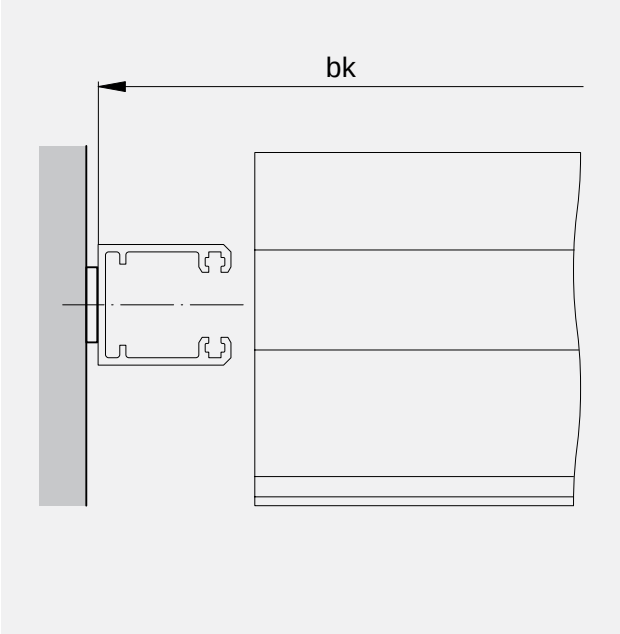
INSTALLATION BASE

1 Wood
2 Stone
3 Metal, Aluminum > 4 mm, Steel > 3 mm
4 Sheet metal, Aluminum 2 – 4 mm, Steel 2 – 3 mm
5 External insulation*
6 Plastic
7 Chipboard
8 Aerated concrete
9 Fiberglass concrete
10 Concrete
13 Eternit
14 Built-in plate
15 Sheet metal Al/Cu 2 – 4 mm
16 Insulation EPS 150

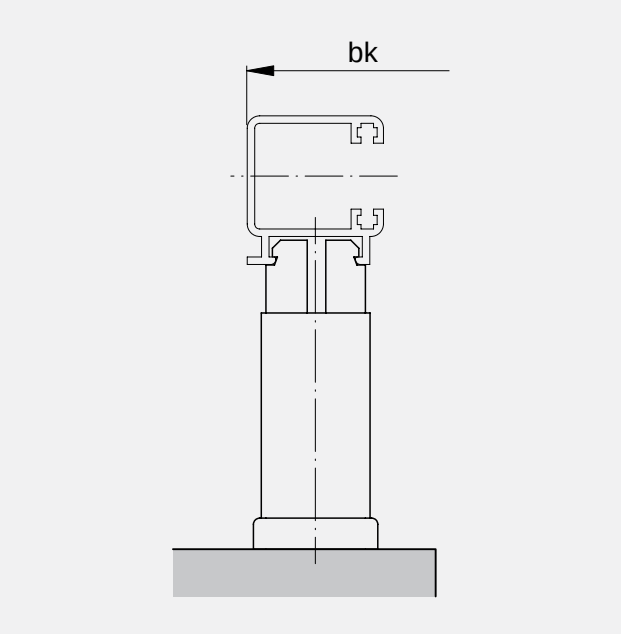
* Insulation d: 5–110 mm

GUIDE RAIL INSTALLATION (PRINCIPLE)

Guides attached (to soffit) | Type A



Guides suspended

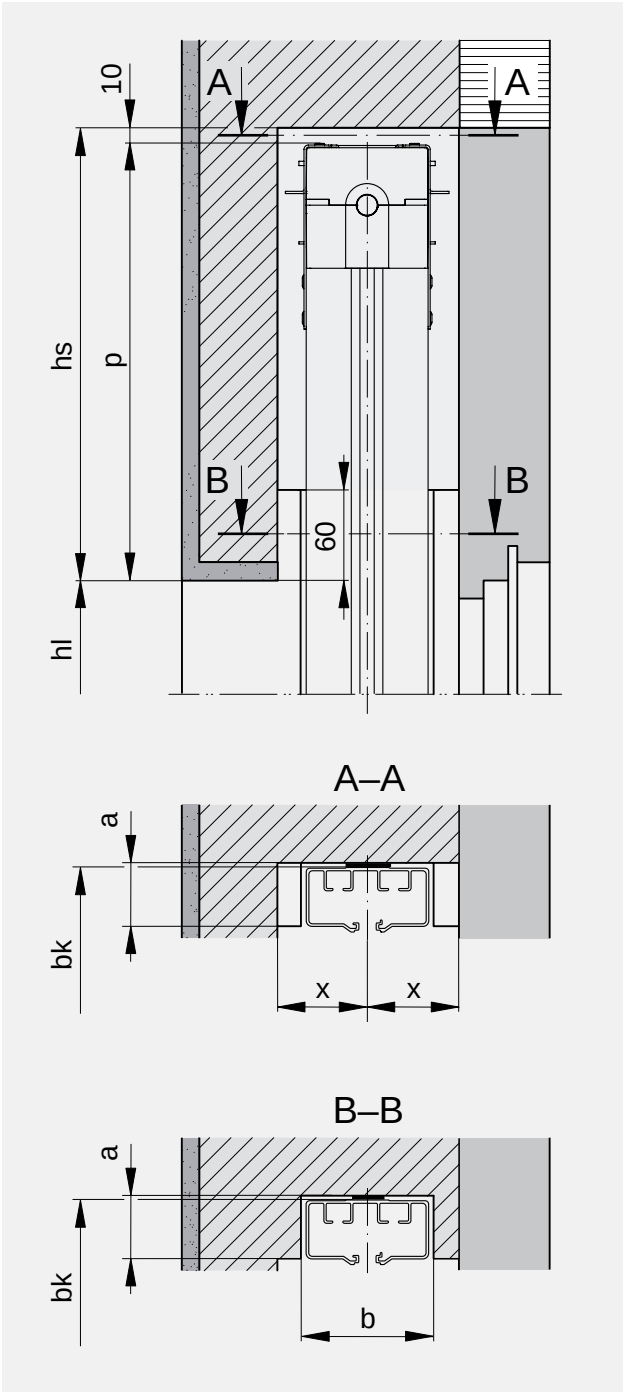


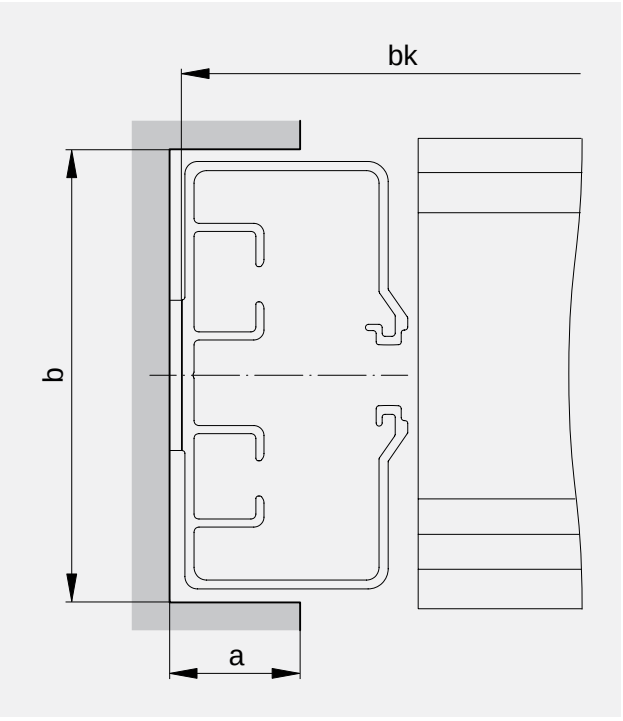
Observe possible guide support for bk:
Standard: 2 mm

Guides recessed

Solomatic® R

Metalunic® V





Version	x min.	a	b
Crank drive	60	≤ 40	≥ 90
Motor drive	50		

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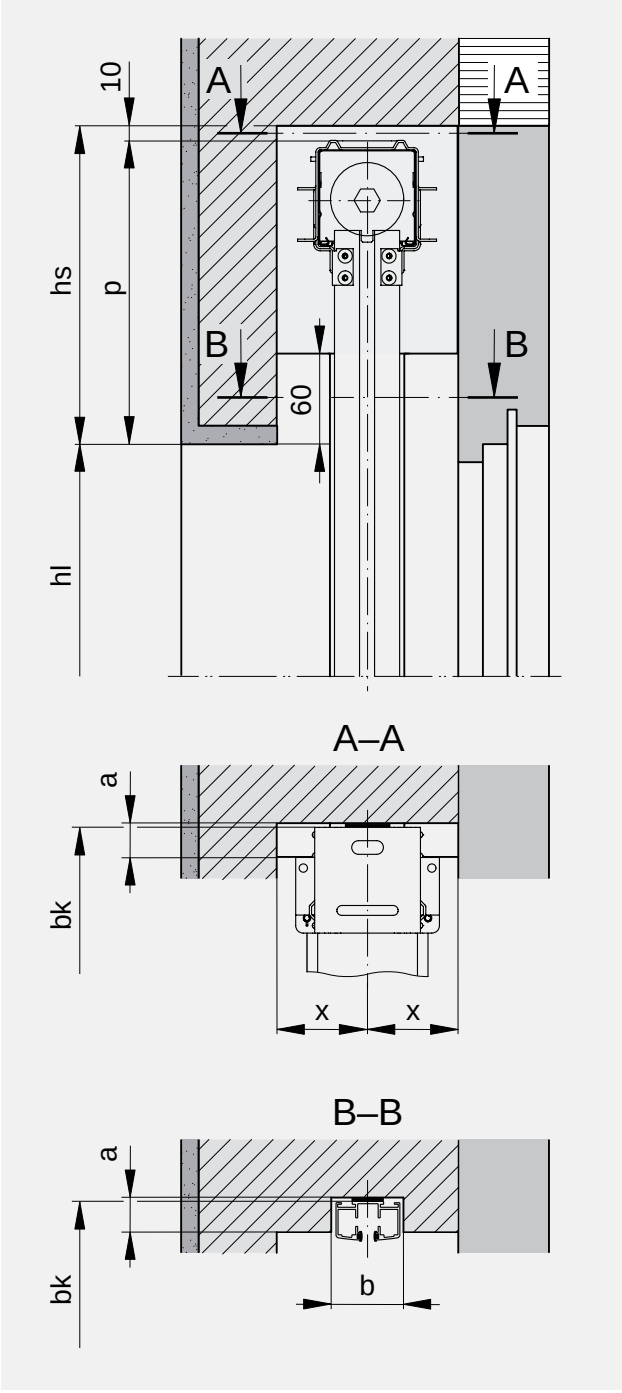
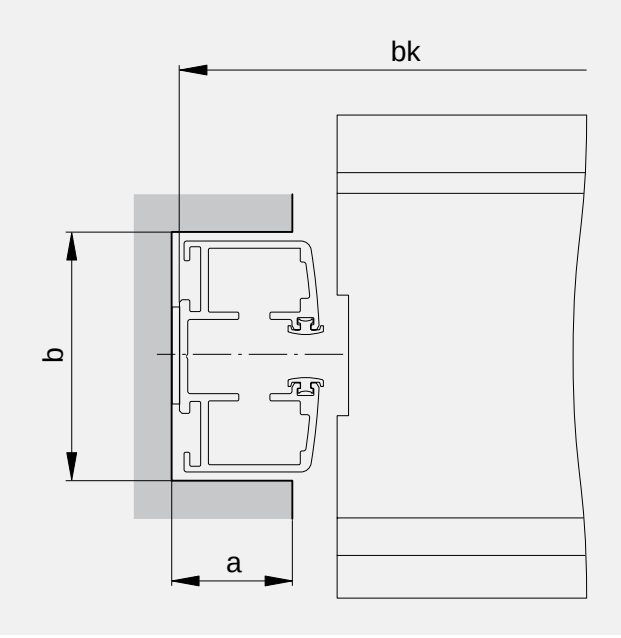
Grinotex® III

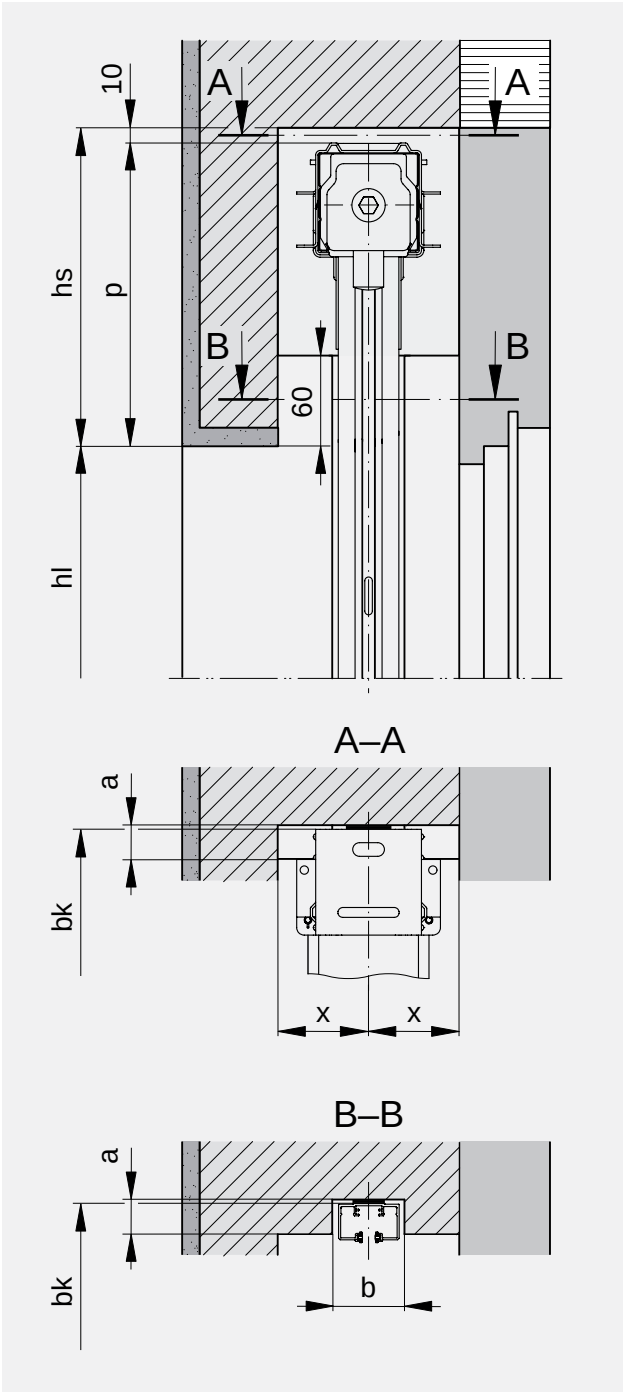




Version	x min.
Crank drive	60
Motor drive	

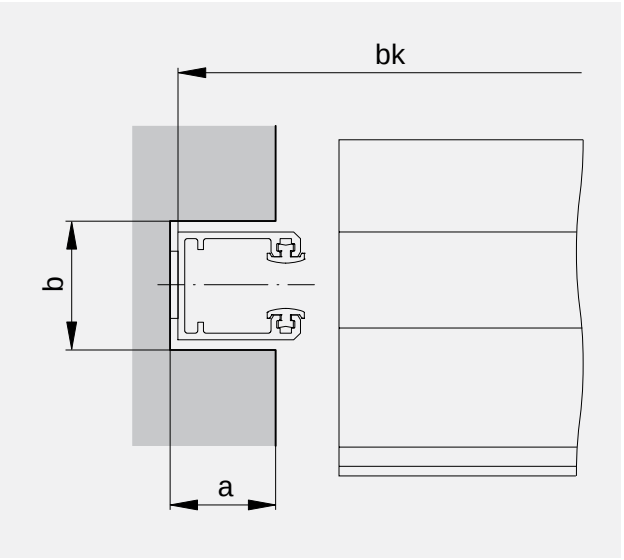
a	b
≤ 20	≥ 50
Two-part guides required. Only possible if hl > 1135	

Type E / F



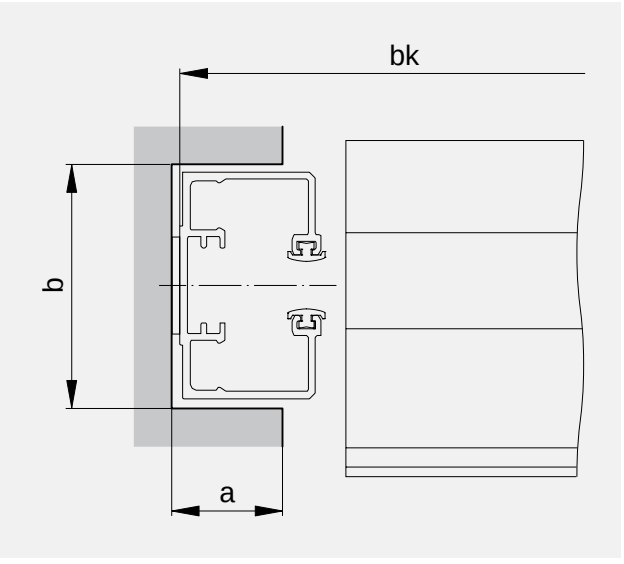
Product / Version	x min.
Aluflex® 80 Fix	60
Lamisol® III 90 Fix	
Lamisol® III 90 Vento	
Solomatic® II 80 Fix	
Aluflex® 60 Fix	50
Lamisol® III 70 Fix	
Solomatic® II 70 Fix	

Type E



a	b
≤ 18	≥ 21

Type F



a	b
≤ 20	≥ 41

Without guide cut-out:
Only possible if curtain can be retracted from below.

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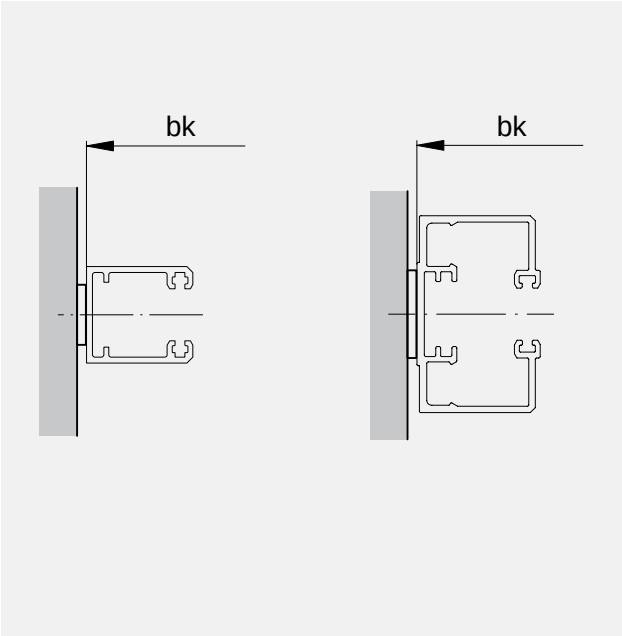
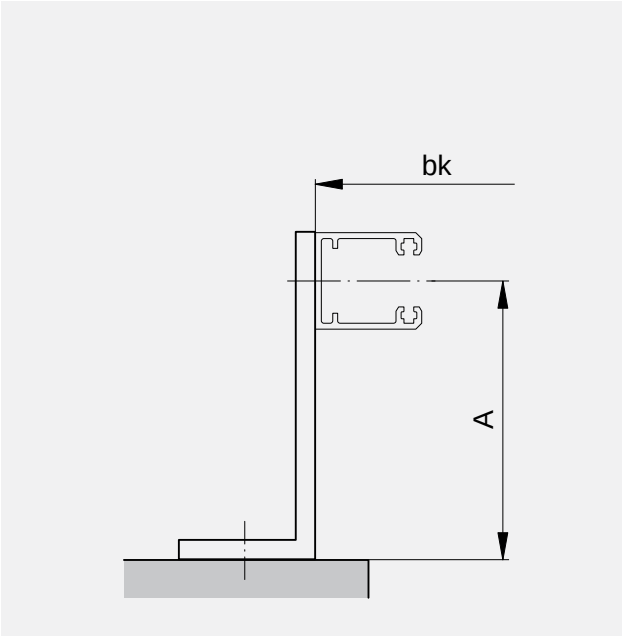
GUIDE RAIL FASTENINGS (PRINCIPLE)

Type A | Soffit installation



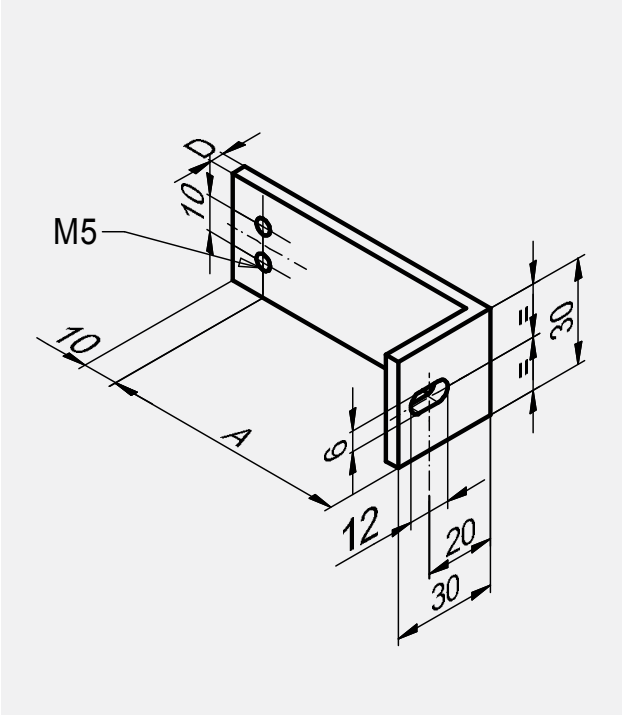
Observe possible guide support for bk:
Standard: 2 mm for external venetian blinds and rolling shutters.

Type B | Installation with fastening bracket



Bracket outwards

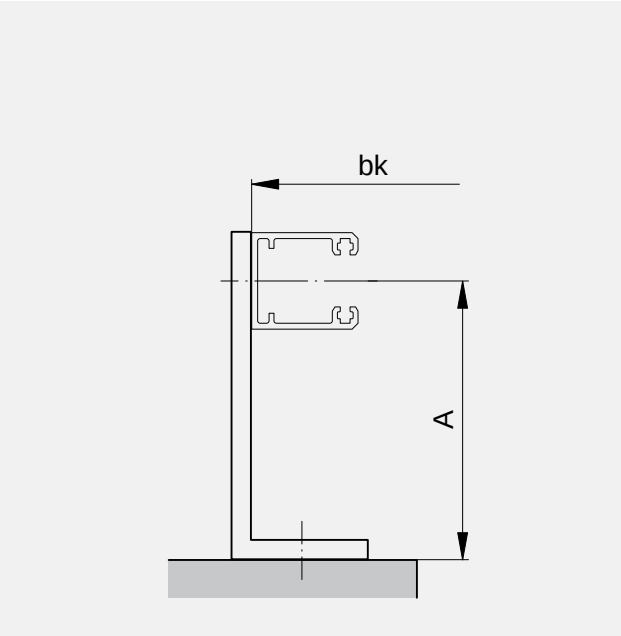
Fastening bracket for type B and C



A	D
20–115*	4

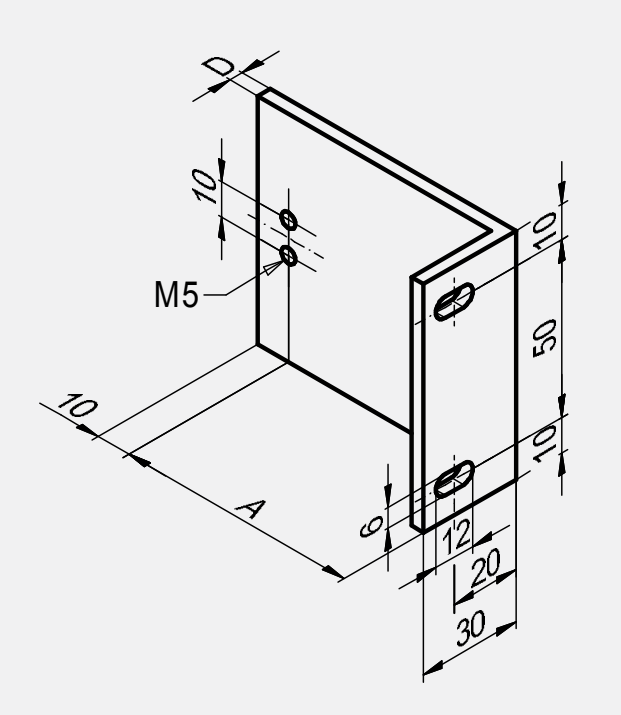
For suspended guide rails always with brackets 70 mm.

Type C | Installation with fastening bracket



Bracket inwards

Fastening bracket 70 mm for type B and C



A	D
20–115*	4
120–215*	5

If the projection is ≥ 120, all products are fastened with a 70 mm bracket.

* in 5 mm steps

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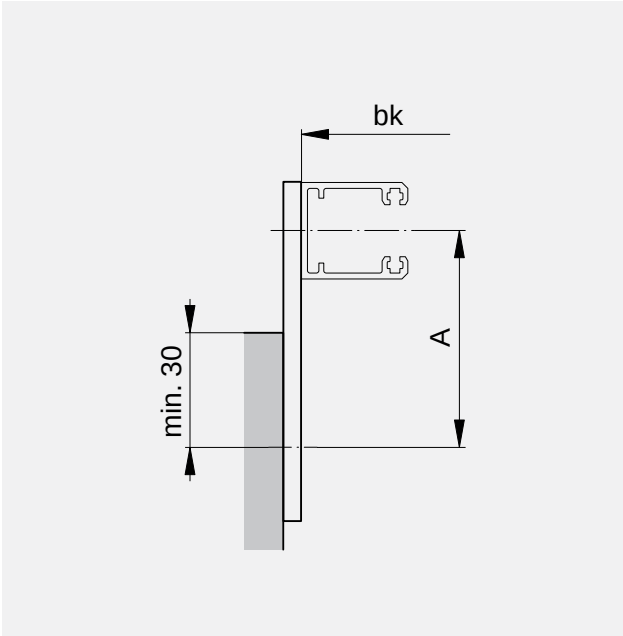
Type Bd | Like type B

Constant fastening bracket
Bracket outwards

Type Cd | Like type C

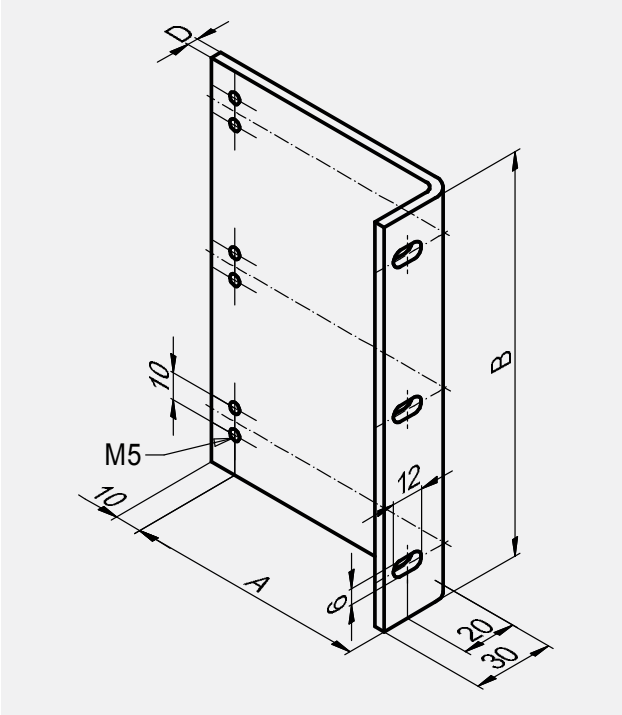
Constant fastening bracket
Bracket inwards

Type E/F | Installation with fastening lug



inwards/outwards

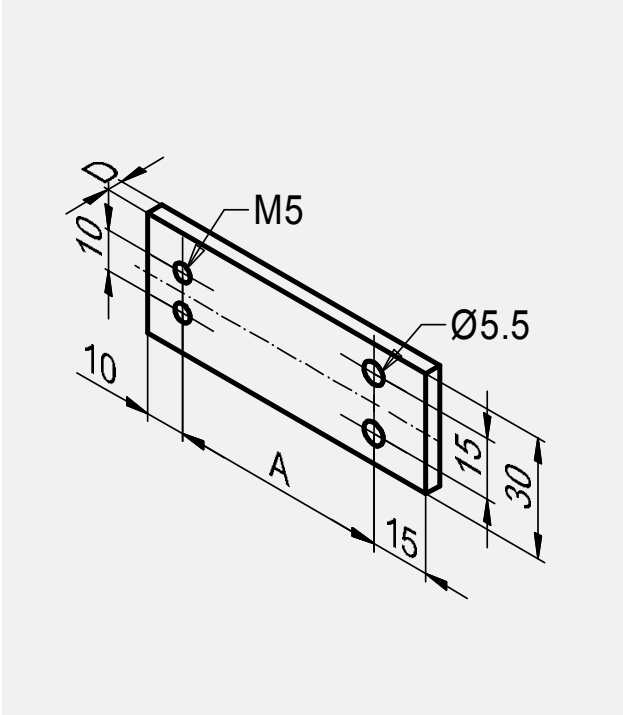
Constant fastening bracket for type Bd and Cd



A[1]	D
20–300*	always 4

[1] Lamisol® III Vento with suspended guides: A = max. 100

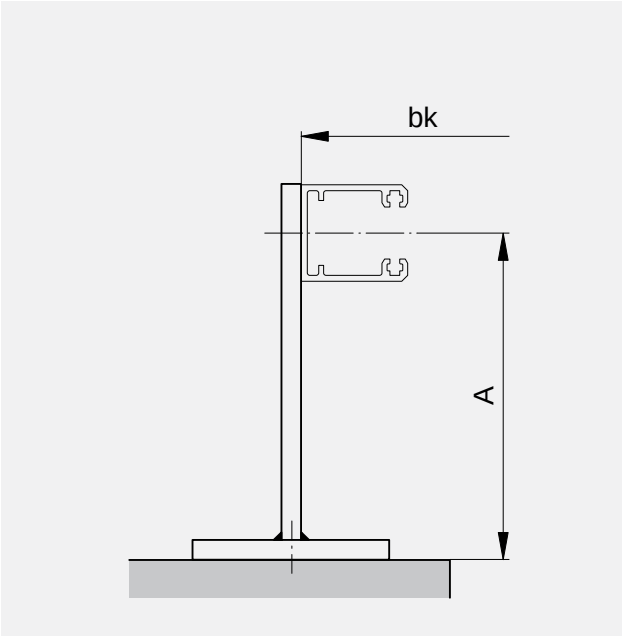
Fastening lug for type E/F



A	D
50–115*	4
120–125*	5

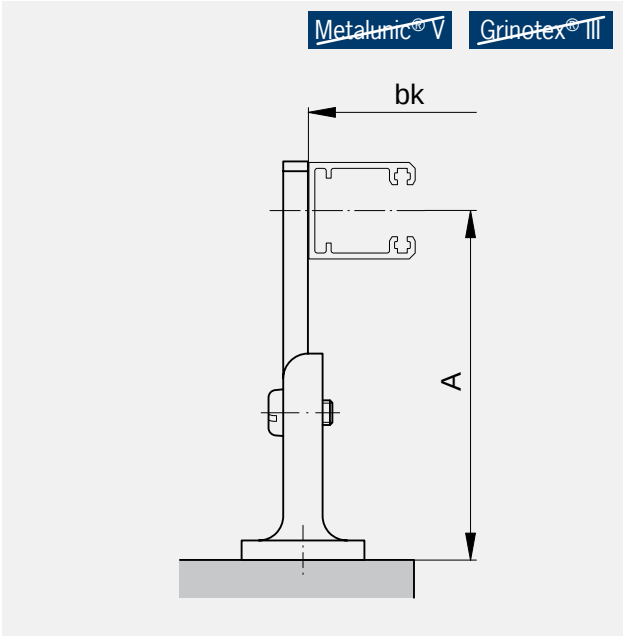
* in 5 mm steps

Type T | Installation with T-bracket

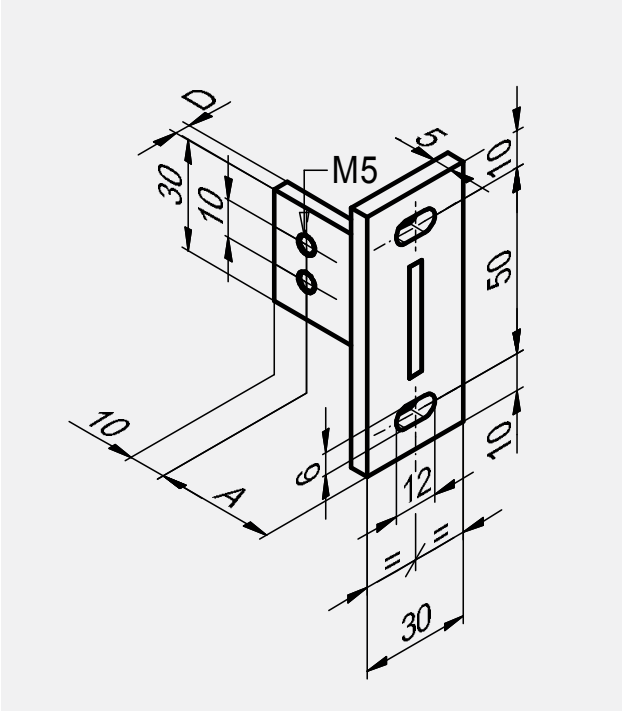


Type Tv | Installation with adjustable T-bracket

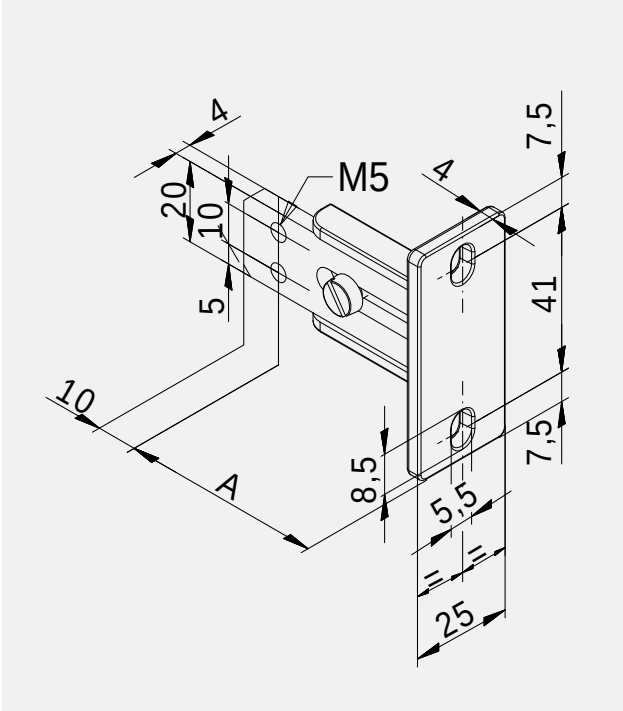
Metalunic® V Grinotex® III



T-bracket for type T



T-bracket adjustable for type Tv



A	D
20–115*	4
120–215*	5

A
50–68
69–87
88–106
107–115

* in 5 mm steps

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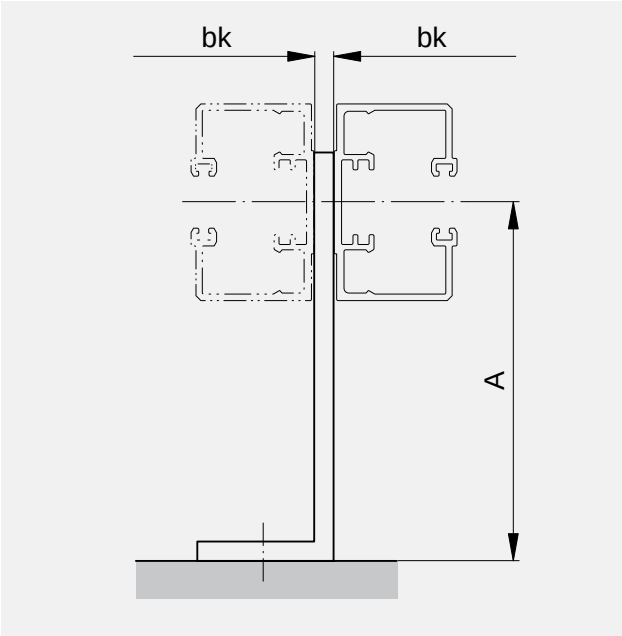
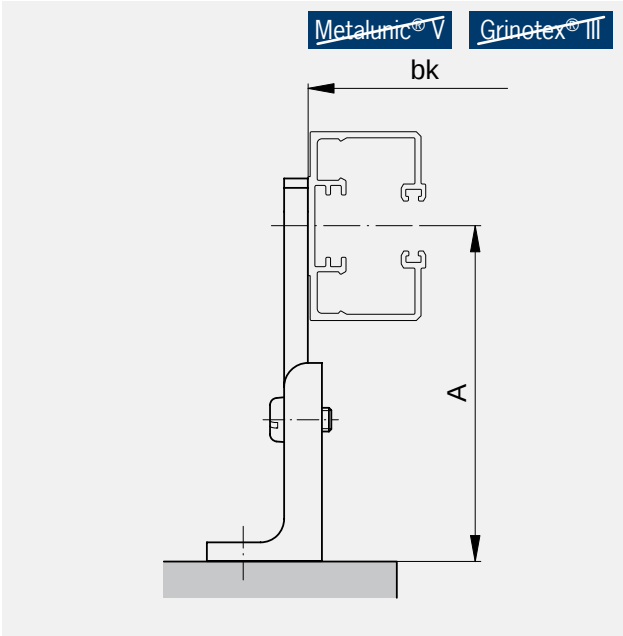
Type V

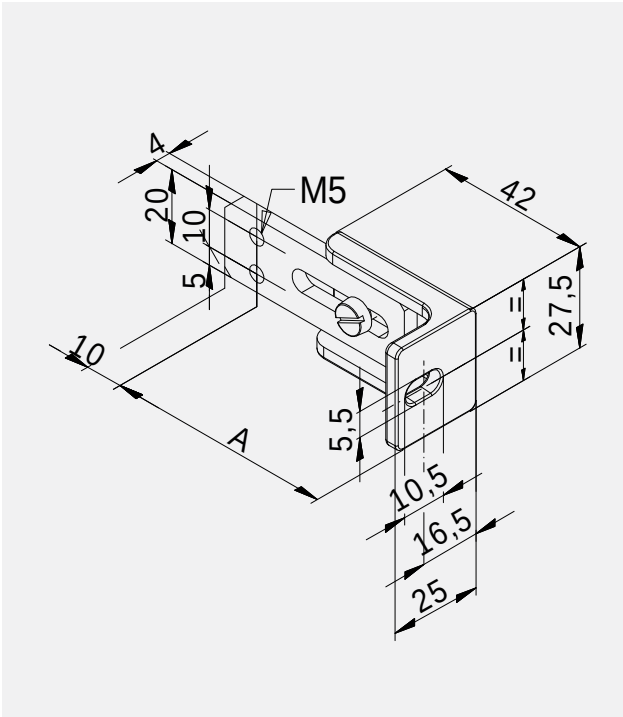


The blind on the right uses the fastening for the blind on the left.

Type Wv | Installation with adjustable bracket

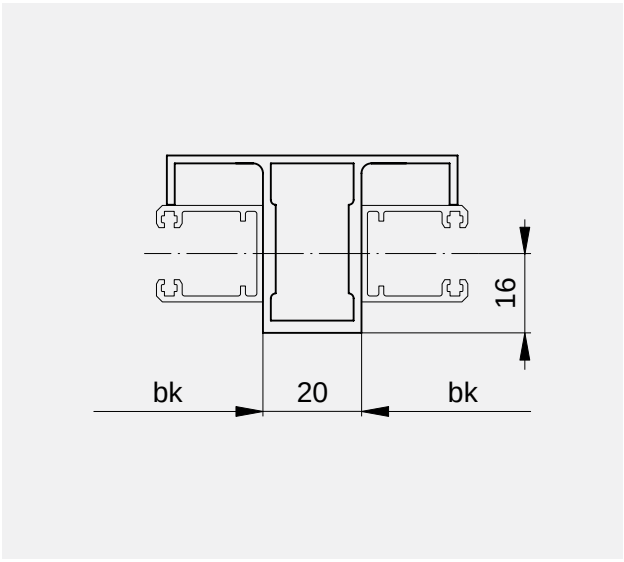


W-bracket adjustable for type Wv



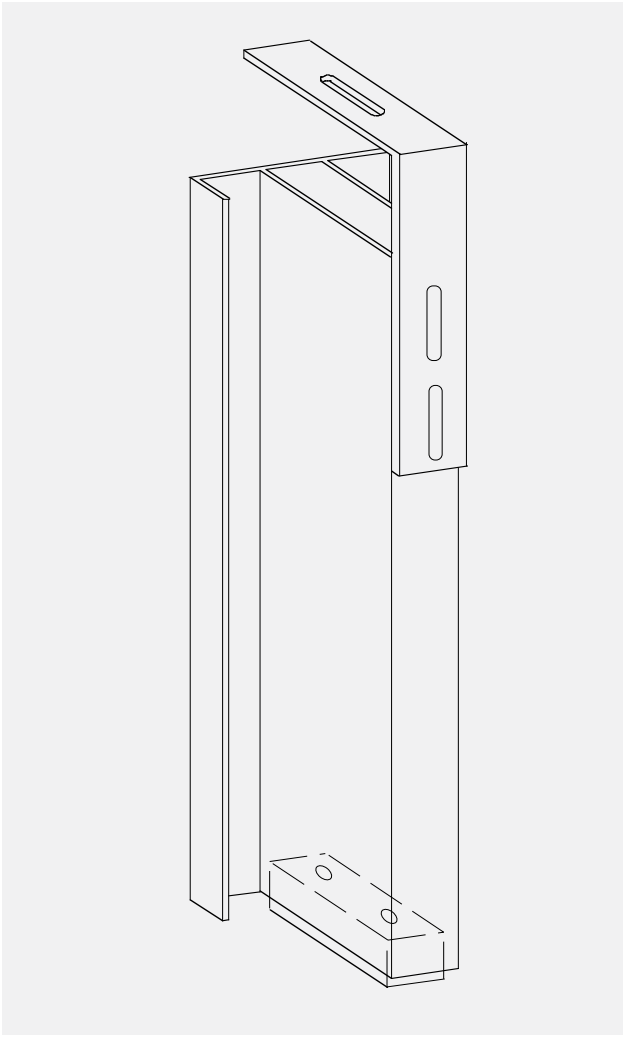
A
50–68
69–87
88–106
107–115

Type M | Installation with centre bracket

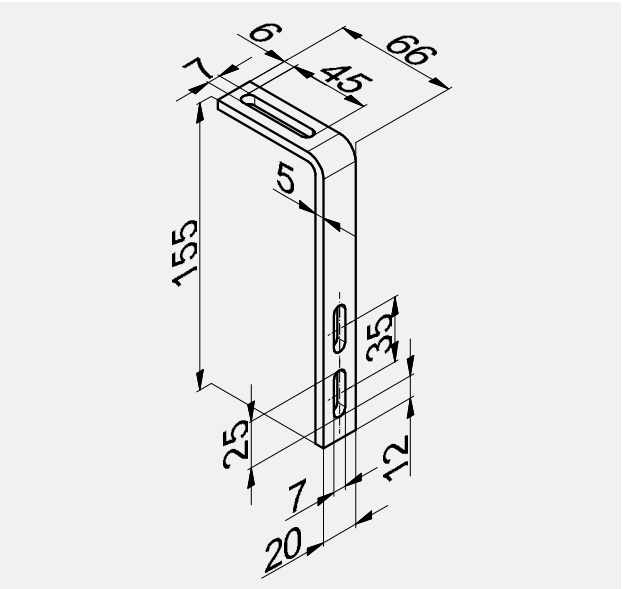


Only with guide type E
Length = guide length

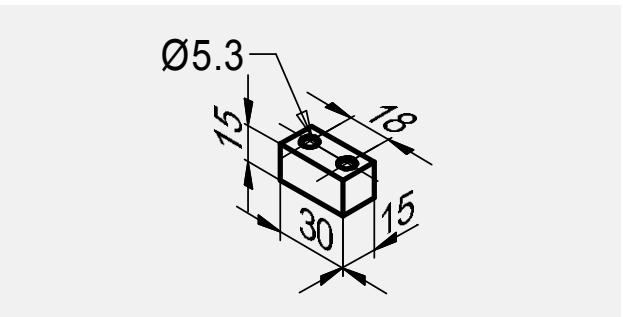
Principle



Fastening bracket above centre bracket



Fastening square below for centre bracket



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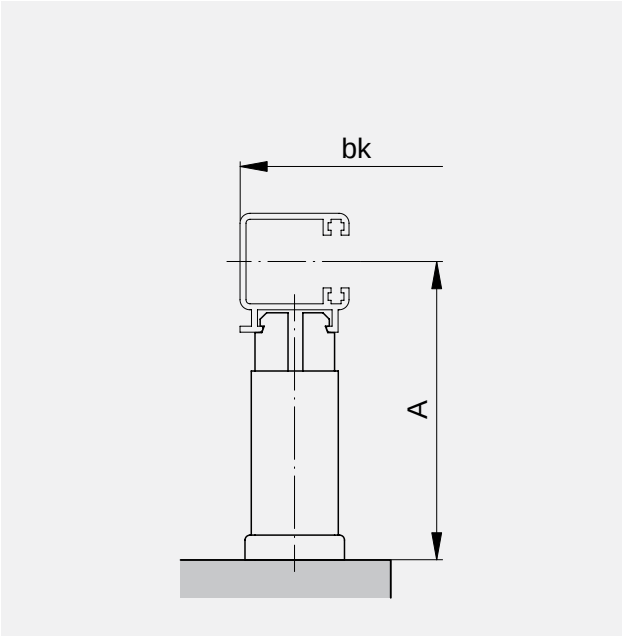
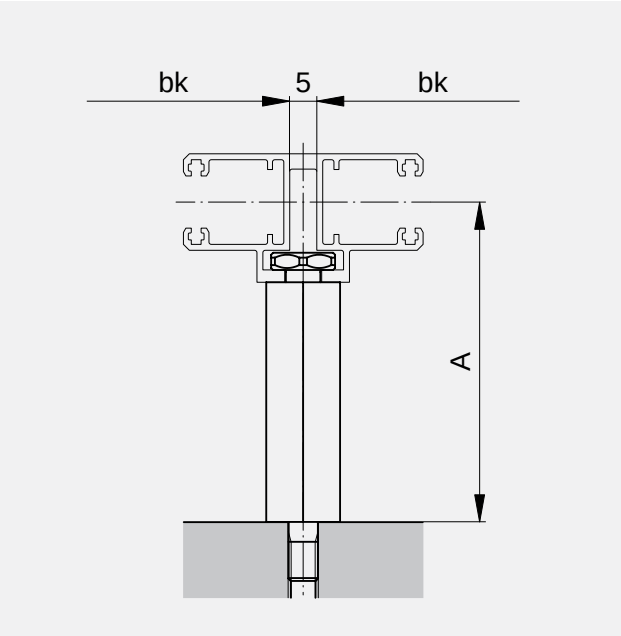
Type Kv | Installation with adjustable console



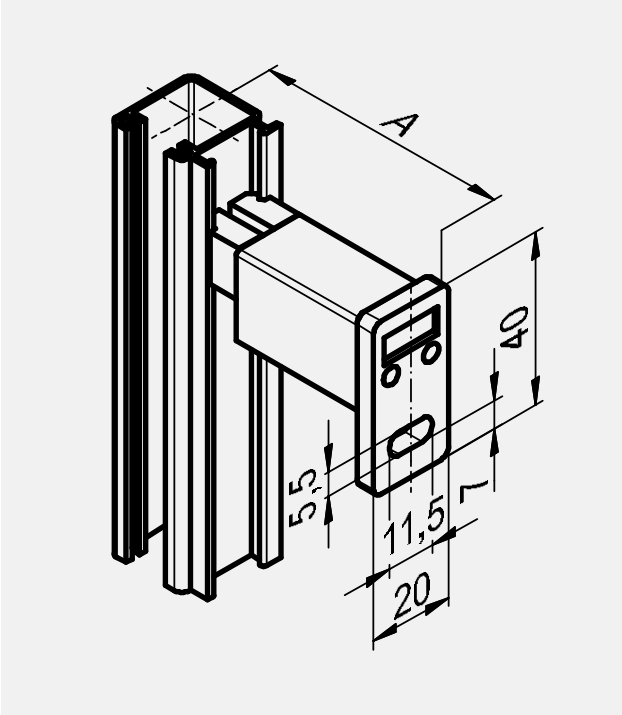
Only with guide type C/T/R

Type H | Installation with spacer



Only with guide type D

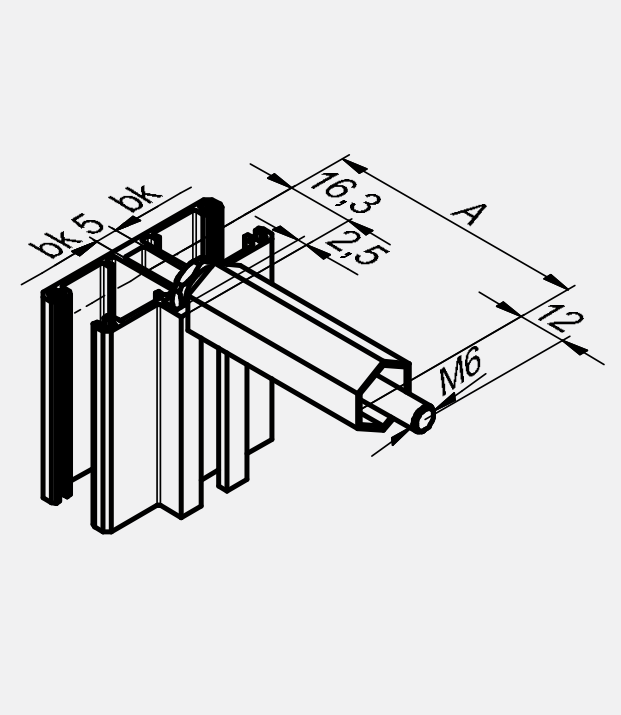
Console for type Kv



A
60–75
76–90
91–105
106–120
121–135

A
136–150
151–165
166–180
181–195

Spacer for type Kv

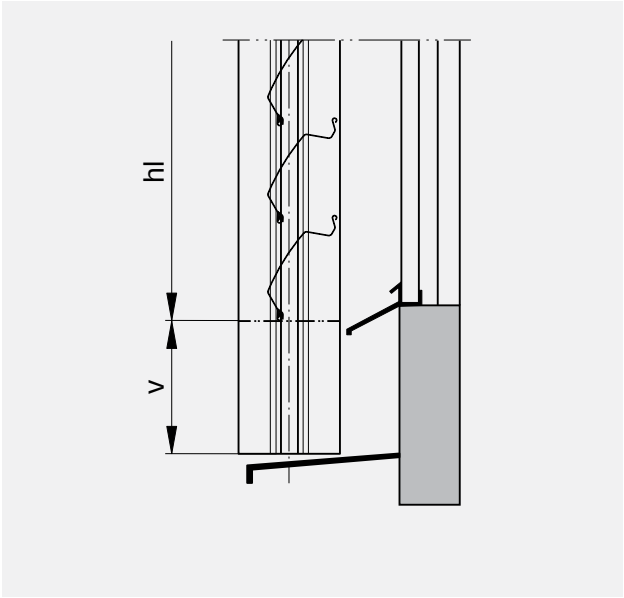


A
35–115

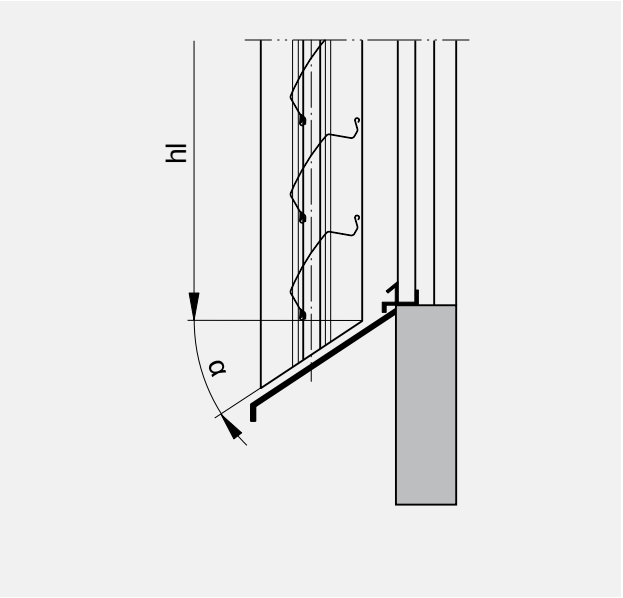
GUIDE EXTENSION AND FACET

Metalunic® V

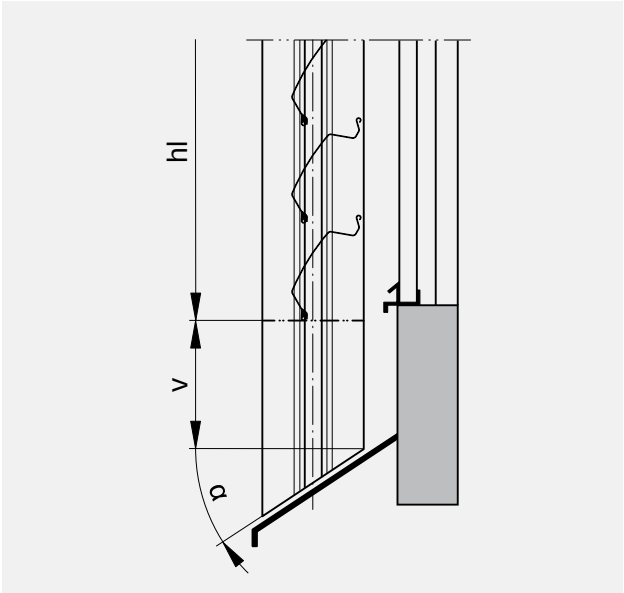
Extended



Faceted

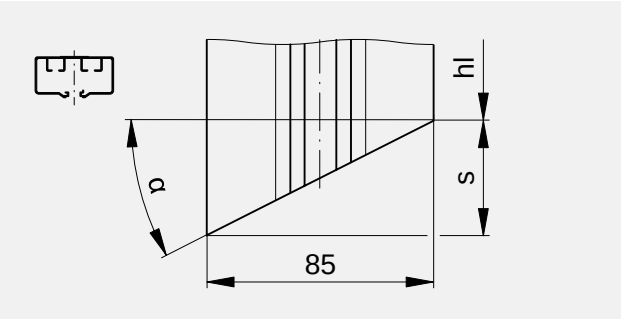


Extended and faceted



v	α
≤ 1000	5–60°

ANGLING AT THE GUIDES



Machine fabrication				Manual fabrication	
α	s	α	s	α	s
5	7	30	49	50	101
10	15	35	60	55	121
15	23	40	71	60	147
20	31	45	85		
25	40				

α: min. 5°, max. 60°
s: 85 x tgα
Interpolate intermediate dimensions

s: Faceting (guide rail width x tgα)
v: Guide rail extension, max. 1000

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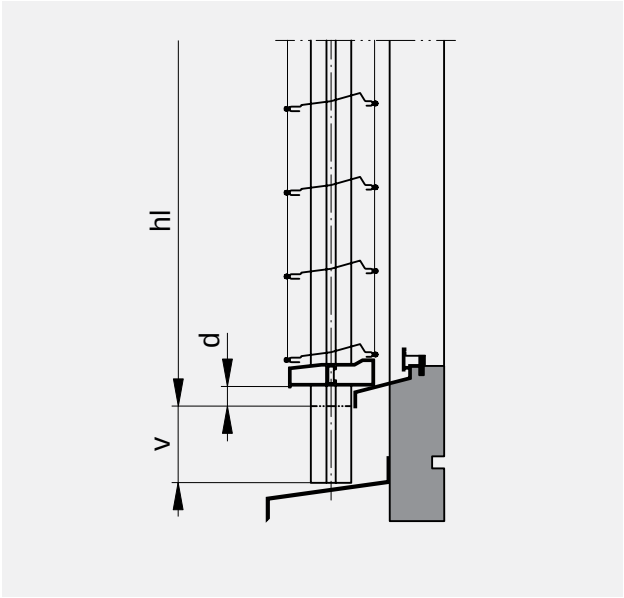
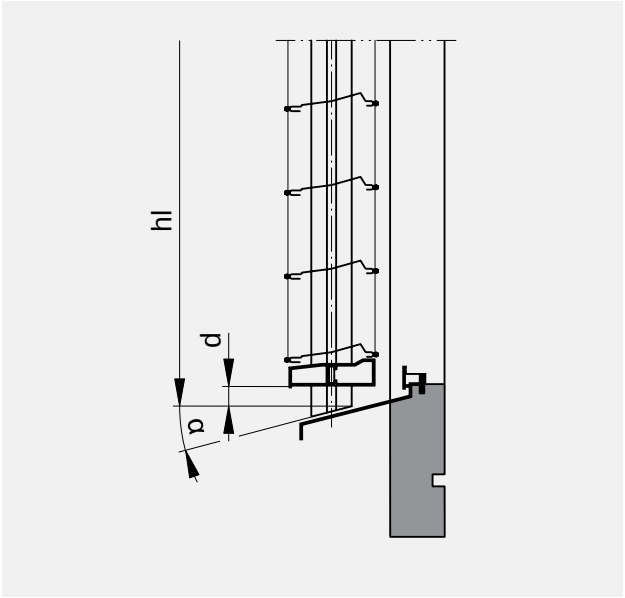
GUIDE EXTENSION AND FACET

Grinotex® III

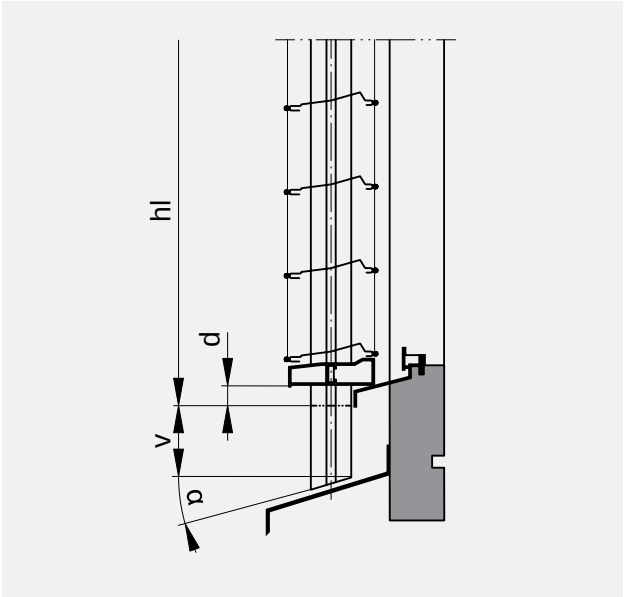
Extended



Faceted



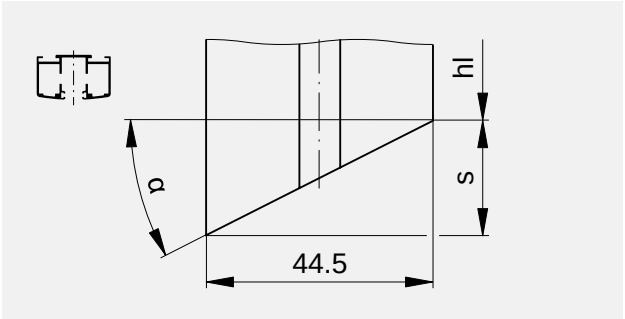
Extended and faceted



v	α
≤ 1000	5–60°

s: Faceting (guide rail width x tgα)
v: Guide rail extension, max. 1000

ANGLING AT THE GUIDES



Machine fabrication

α	s	α	s
5	4	30	26
10	8	35	31
15	12	40	37
20	16	45	45
25	21		

Manual fabrication

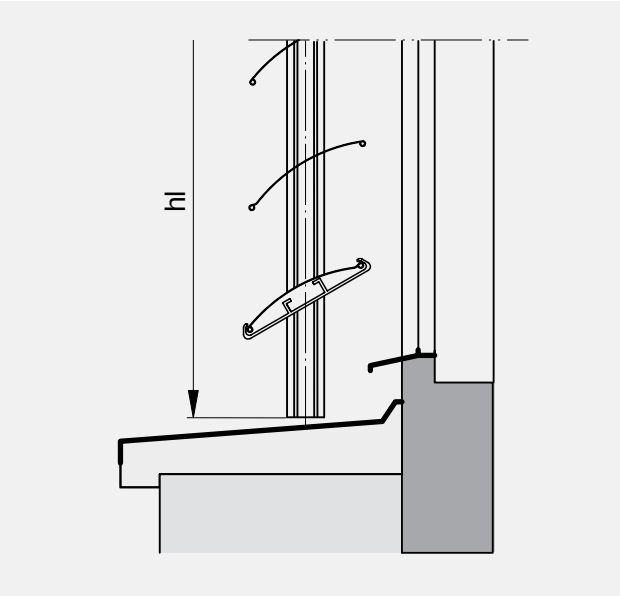
α	s
50	53
55	64
60	77

α: min. 5°, max. 60°
s: 44.5 x tgα
Interpolate intermediate dimensions

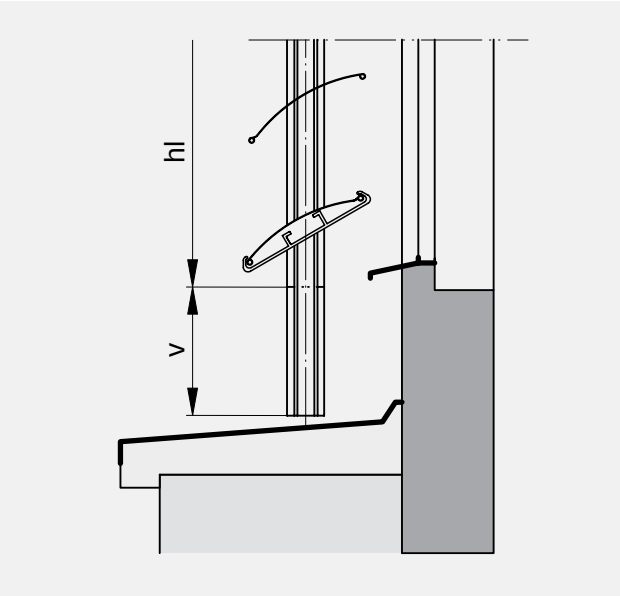
GUIDE EXTENSION AND FACET

Aluflex® | Lamisol® III | Lamisol® III Vento | Solomatic® II

Without extension



Extended

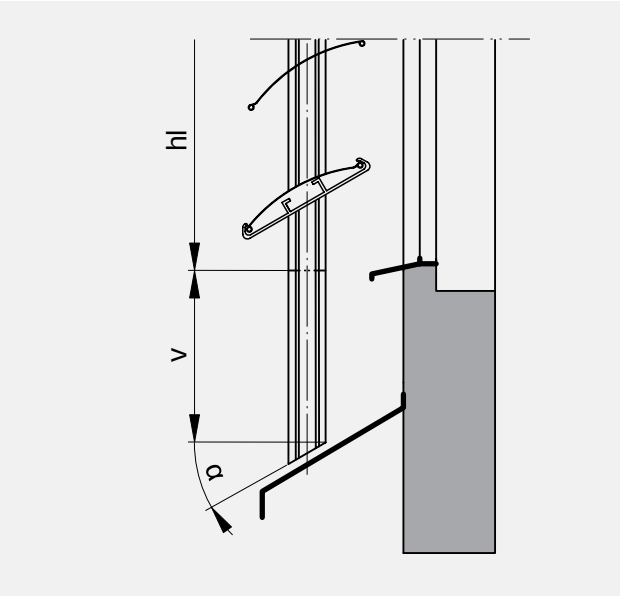


v
≤ 1000*

* Lamisol III Vento: max. 500

Extended and faceted

~~Lamisol® III Vento~~



v	α
≤ 1000	5–60°

v: Guide rail extension, max. 1000

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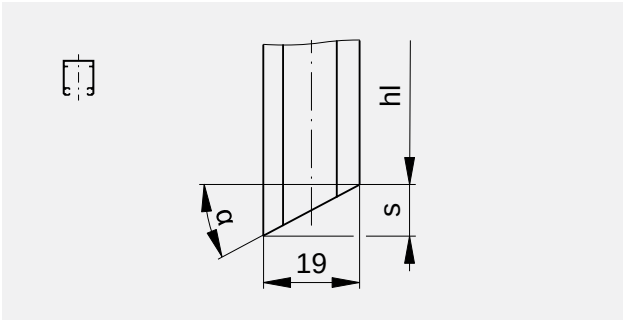
ANGLING AT THE GUIDES

Aluflex® | Lamisol® III | ~~Lamisol® III Vento~~ | Solomatic® II

Type E | Single guide



Machine fabrication

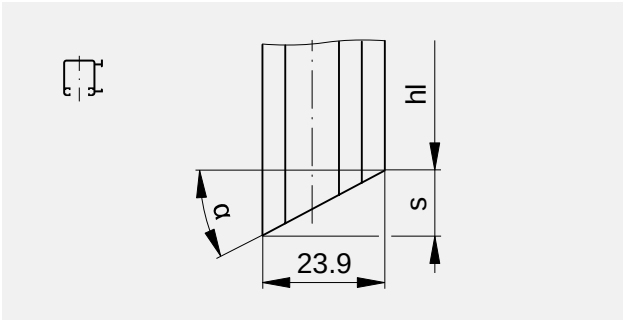
α	s	α	s
5	2	30	11
10	3	35	13
15	5	40	16
20	7	45	19
25	9		

Manual fabrication

α	s
50	23
55	27
60	33

α: min. 5°, max. 60°
s: 19 x tgα
Interpolate intermediate dimensions

Type C | Single guide



Machine fabrication

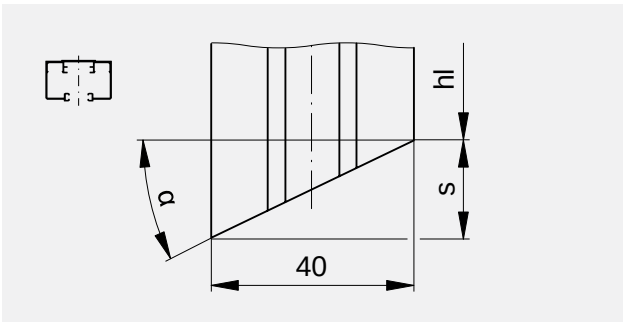
α	s	α	s
5	2	30	14
10	4	35	17
15	6	40	20
20	9	45	24
25	11		

Manual fabrication

α	s
50	28
55	34
60	41

α: min. 5°, max. 60°
s: 23.9 x tgα
Interpolate intermediate dimensions

Type F | Fix guide



Machine fabrication

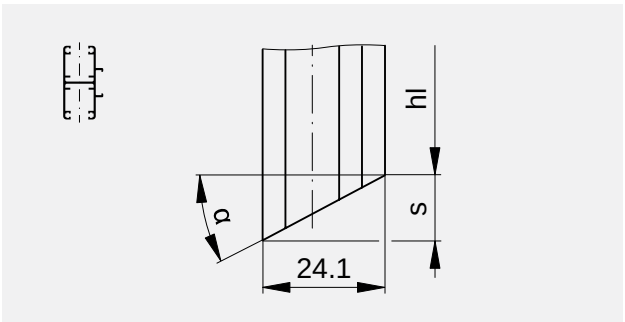
α	s	α	s
5	3	30	23
10	7	35	28
15	11	40	34
20	15	45	40
25	19		

Manual fabrication

α	s
50	48
55	57
60	69

α: min. 5°, max. 60°
s: 40 x tgα
Interpolate intermediate dimensions

Type T | Double guide



Machine fabrication

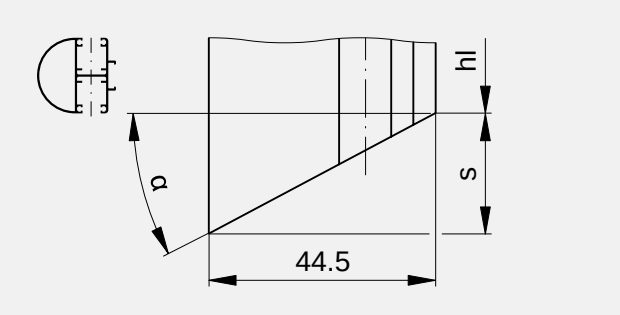
α	s	α	s
5	2	30	14
10	4	35	17
15	6	40	20
20	9	45	24
25	11		

Manual fabrication

α	s
50	29
55	34
60	42

α: min. 5°, max. 60°
s: 24.1 x tgα
Interpolate intermediate dimensions

Type R | Curved double guide



Machine fabrication				Manual fabrication	
α	s	α	s	α	s
5	4	30	26	50	53
10	8	35	31	55	64
15	12	40	37	60	77
20	16	45	45		
25	21				

α: min. 5°, max. 60°

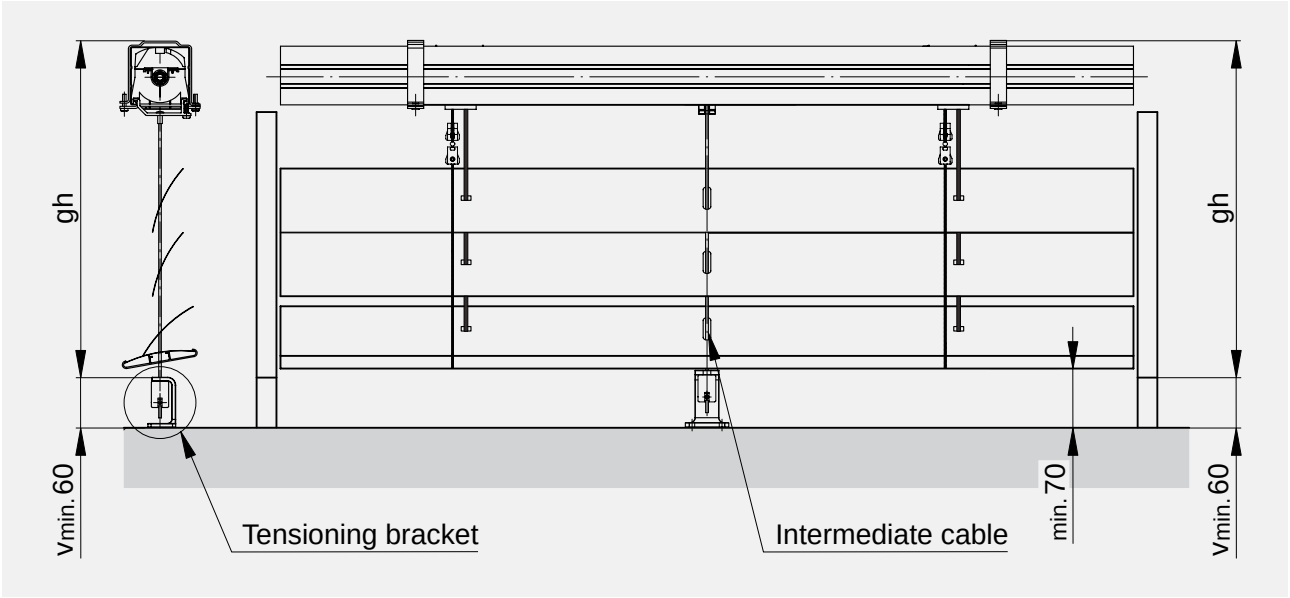
s: 44.5 x tgα

Interpolate intermediate dimensions

GUIDE EXTENSION FOR WINDOW SILL INSTALLATION

Aluflex®

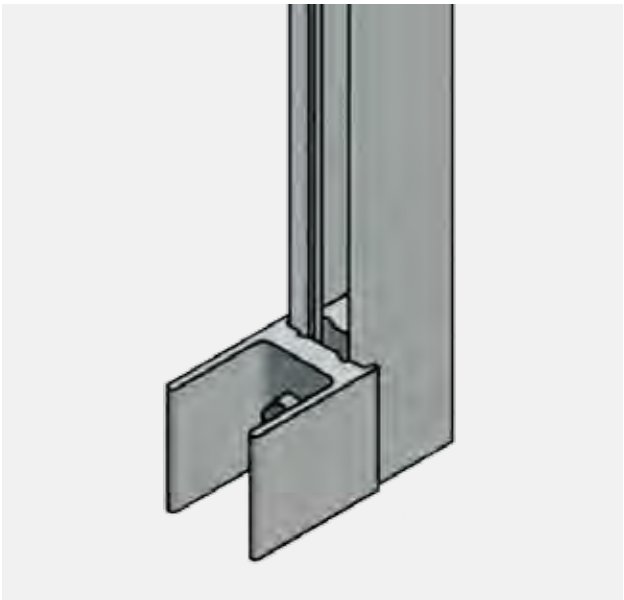
For additional intermediate ropes with “tensioning bracket down”, the guide rails must be extended 60 mm for window ledge mounting.

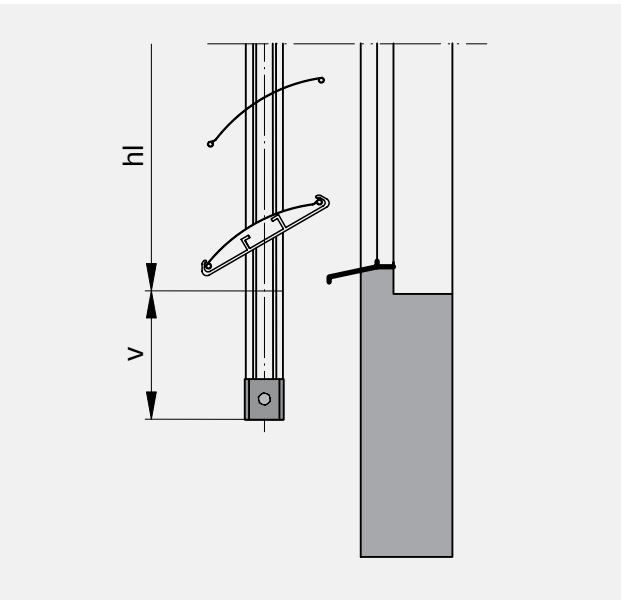


GUIDE RAIL END FOR SUSPENDED GUIDES RAILS

Aluflex® | Lamisol® III | ~~Lamisol® III Vento~~ | Solomatic® II

Guide type E





L*	v
70	≥ 30

* Guide fastening with local brackets.

v: Guide rail extension, max. 1000

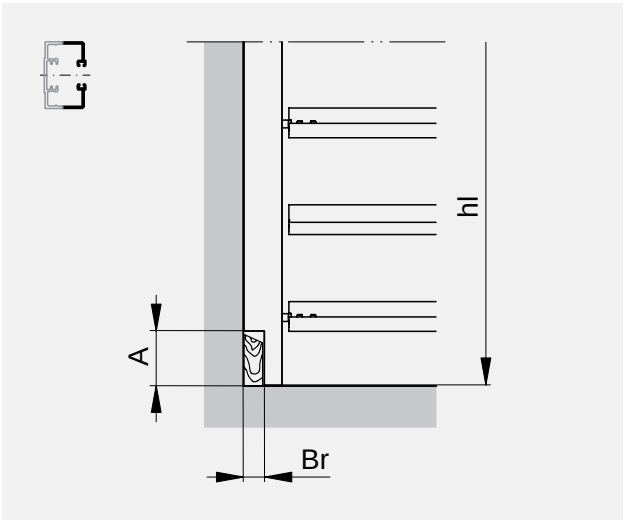
GUIDE RAIL CUT-OUTS IN WINDOWSILL AREA

Lamisol® III Vento

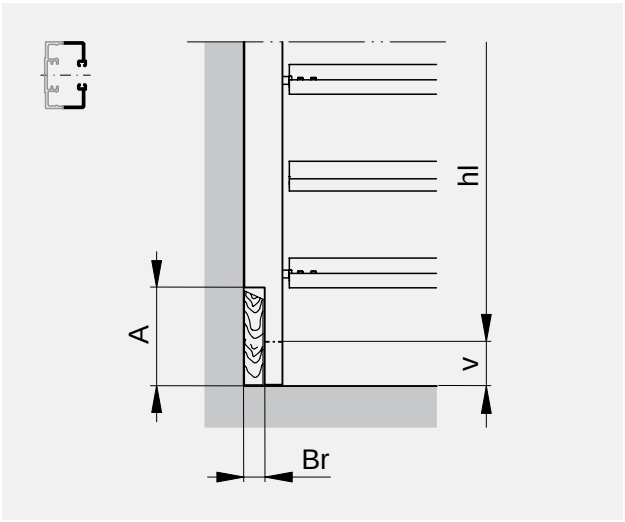
Back

Metalunic® V

Without extension



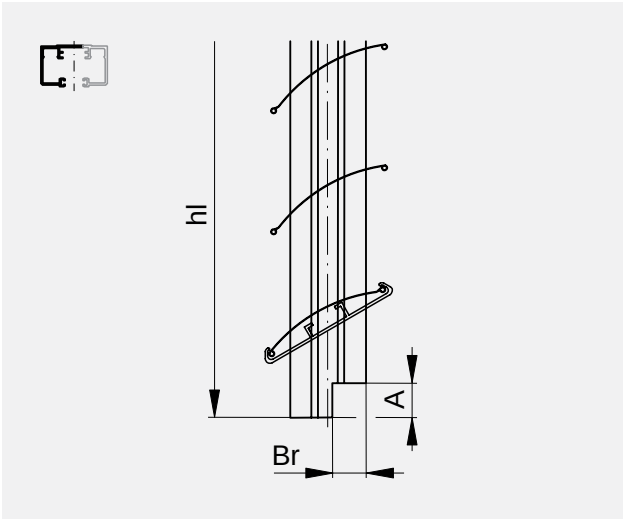
Extended



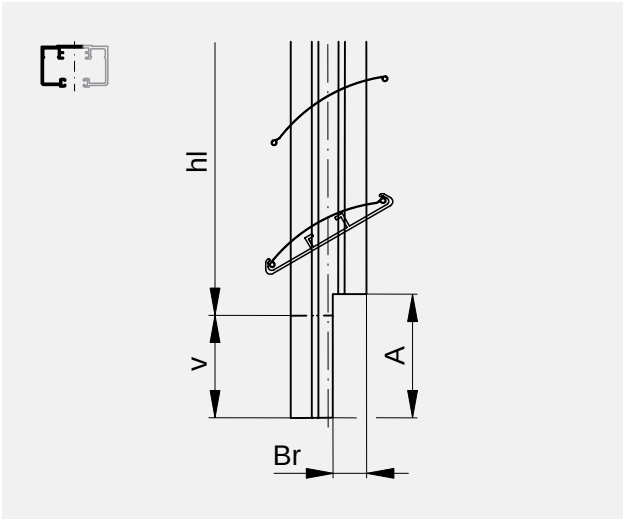
Inside

Metalunic® V

Without extension



Extended



Type	A max.	Br max.	Bi max.
Aluflex®*	30 + v	12	12
Grinotex® III	d (d-dimension)	15	18
Lamisol® III*	30 + v	12	12
Solomatic® II Conventional/Fix*			

* Only for guide type E or F

d-dimension 22 v: Guide rail extension, max. 1000

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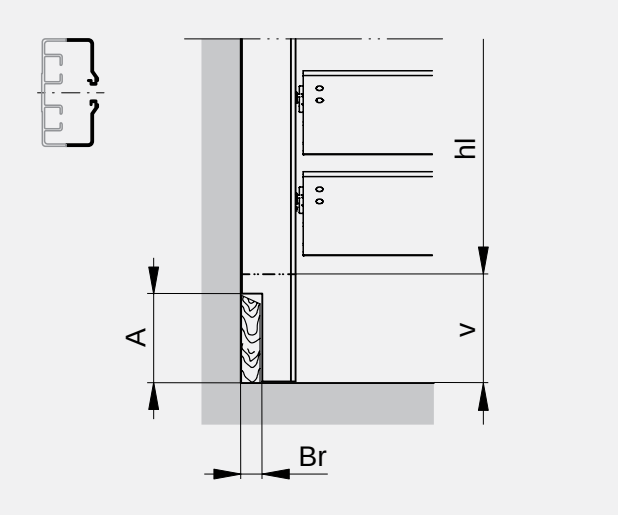
Back

Metalunic® V

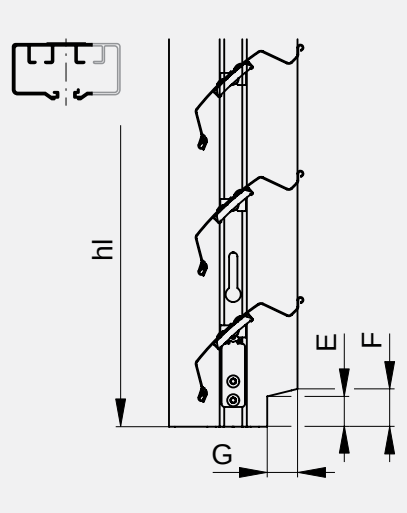
Extended



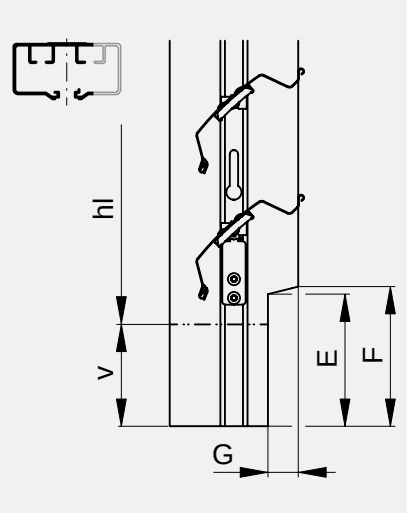
Inside

Metalunic® V

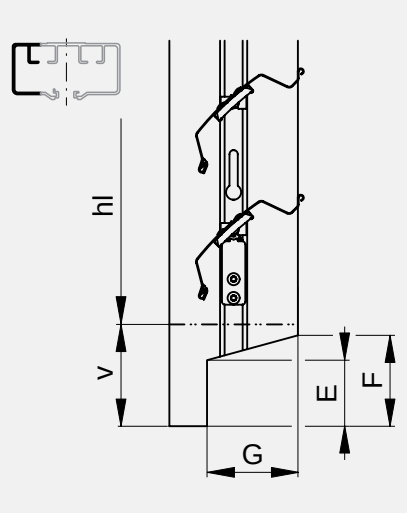
Without extension



Extended | v ≤ F



Extended | v > F



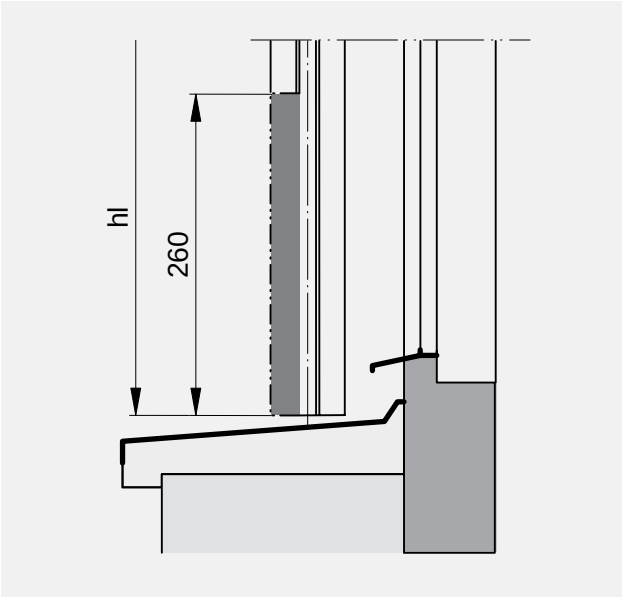
Extension	A max.	Br max.	E max.	F max.	G max.
v = 0	–	–	20	25	20
v ≤ F	v	25	130	205	1 … 20 | 37 … 48 | 54 … 78
v > F					

v: Guide rail extension, max. 1000

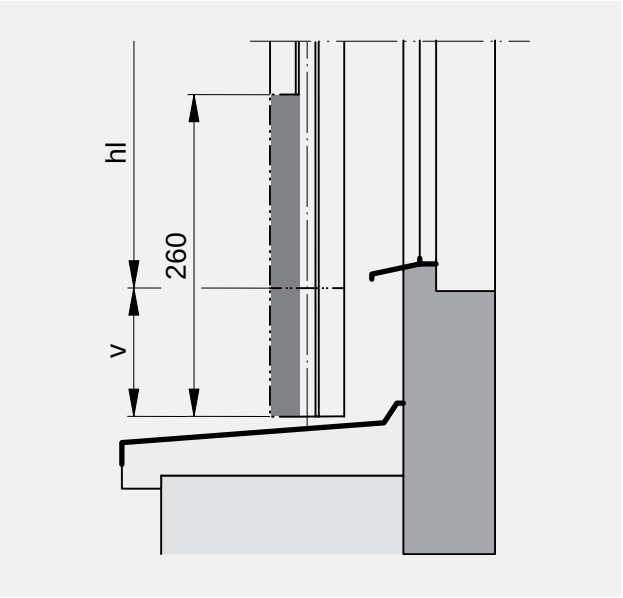
INSTALLATION WINDOW

Grinotex® III

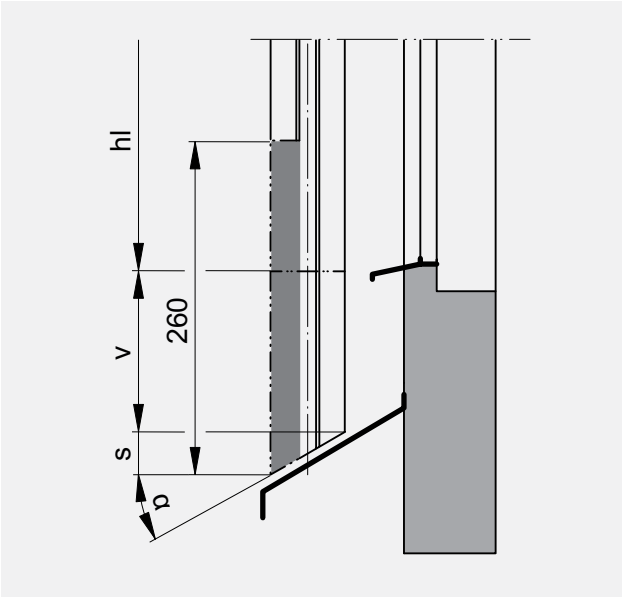
Without extension



Extended



Extended and faceted



for v + s ≤ 80	for v + s > 80
always for bottommost	two-part guide instead of installation window (hl > 1135), always with continuous beading.

s: Faceting (guide rail width x tgα)
v: Guide rail extension, max. 1000

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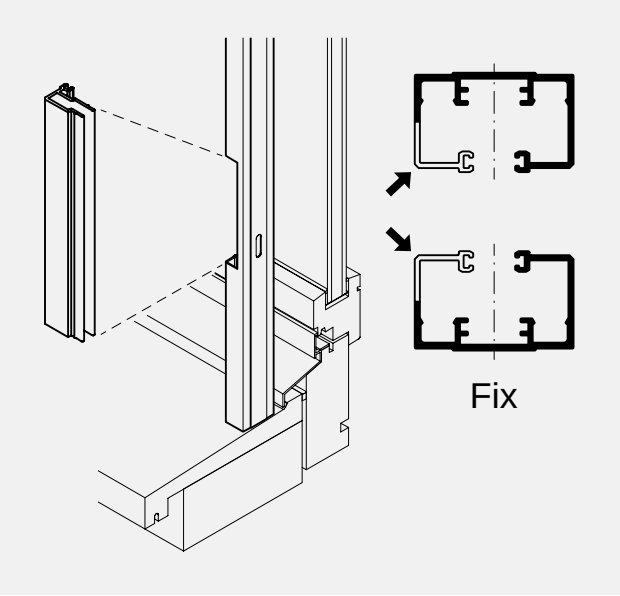
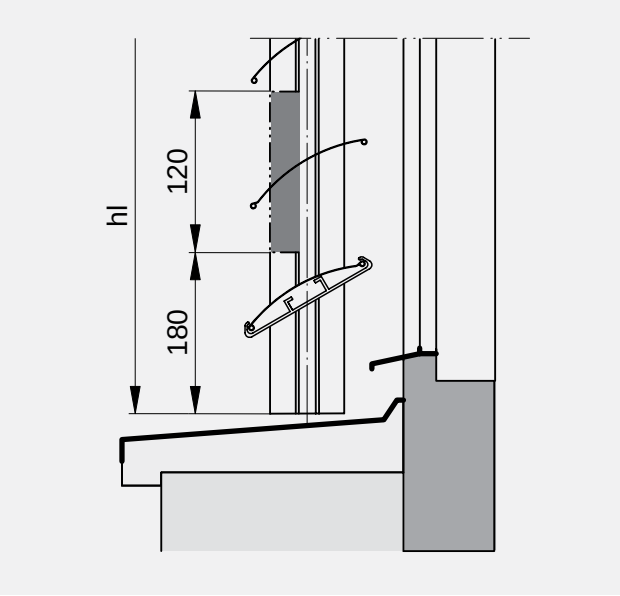
INSTALLATION WINDOW

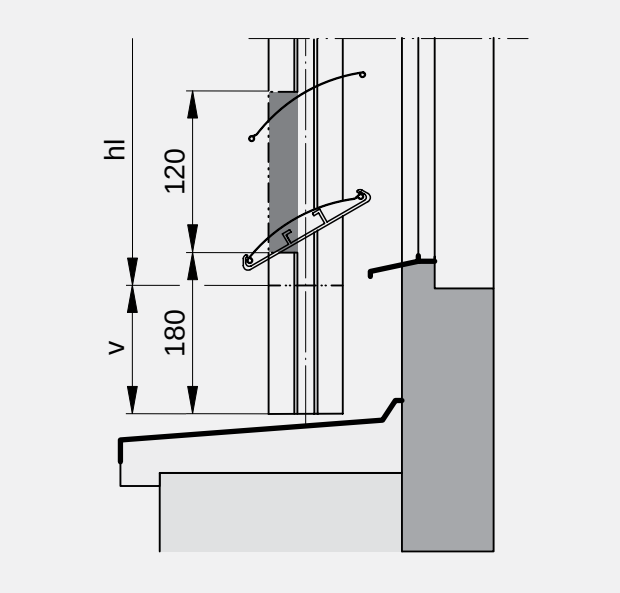
Aluflex® | Lamisol® III | Lamisol® III Vento | Solomatic® II

Without extension



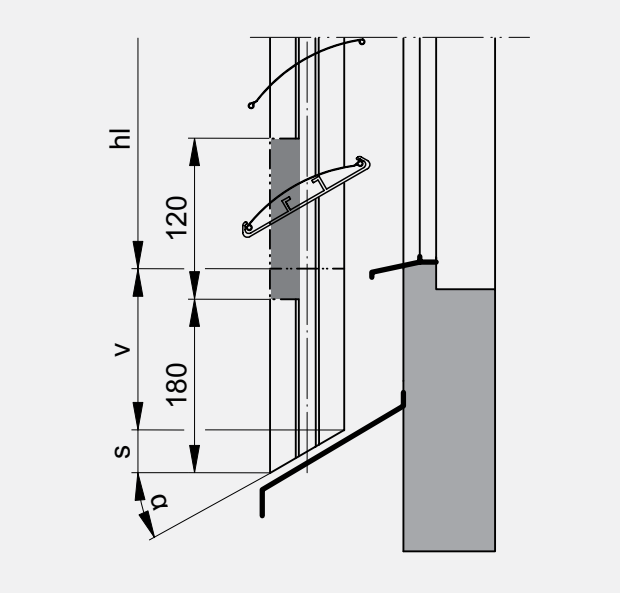


Extended



Extended and faceted

~~Lamisol® III Vento~~



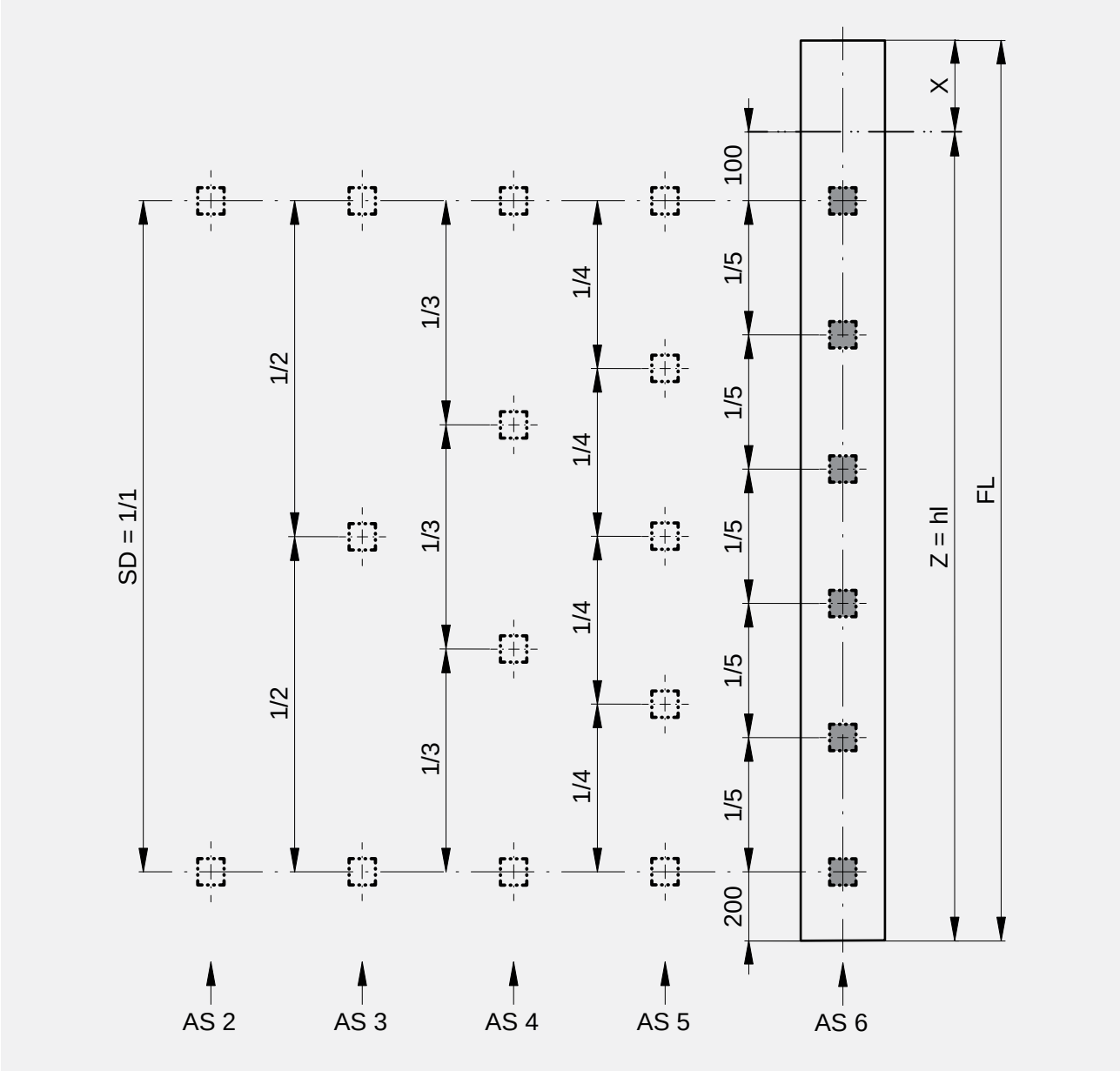
s: Faceting (guide rail width x tgα)
v: Guide rail extension, max. 1000

FASTENING POINTS

~~Aluflex® Box~~ ~~Lamisol® III Vento~~ ~~Solomatic® II Box~~

Without extension

Z	AS
≤ 1500	2
1501 – 2700	3
2701 – 3900	4
3901 – 5100	5
> 5100	6



AS: Number of slits

SD: Slot spacing, max. 1200

For Grinotex® III: Bottommost fastening point at the same time as fastening point for installation window.

Guide rail fastenings 111

Installation window 126 / 127

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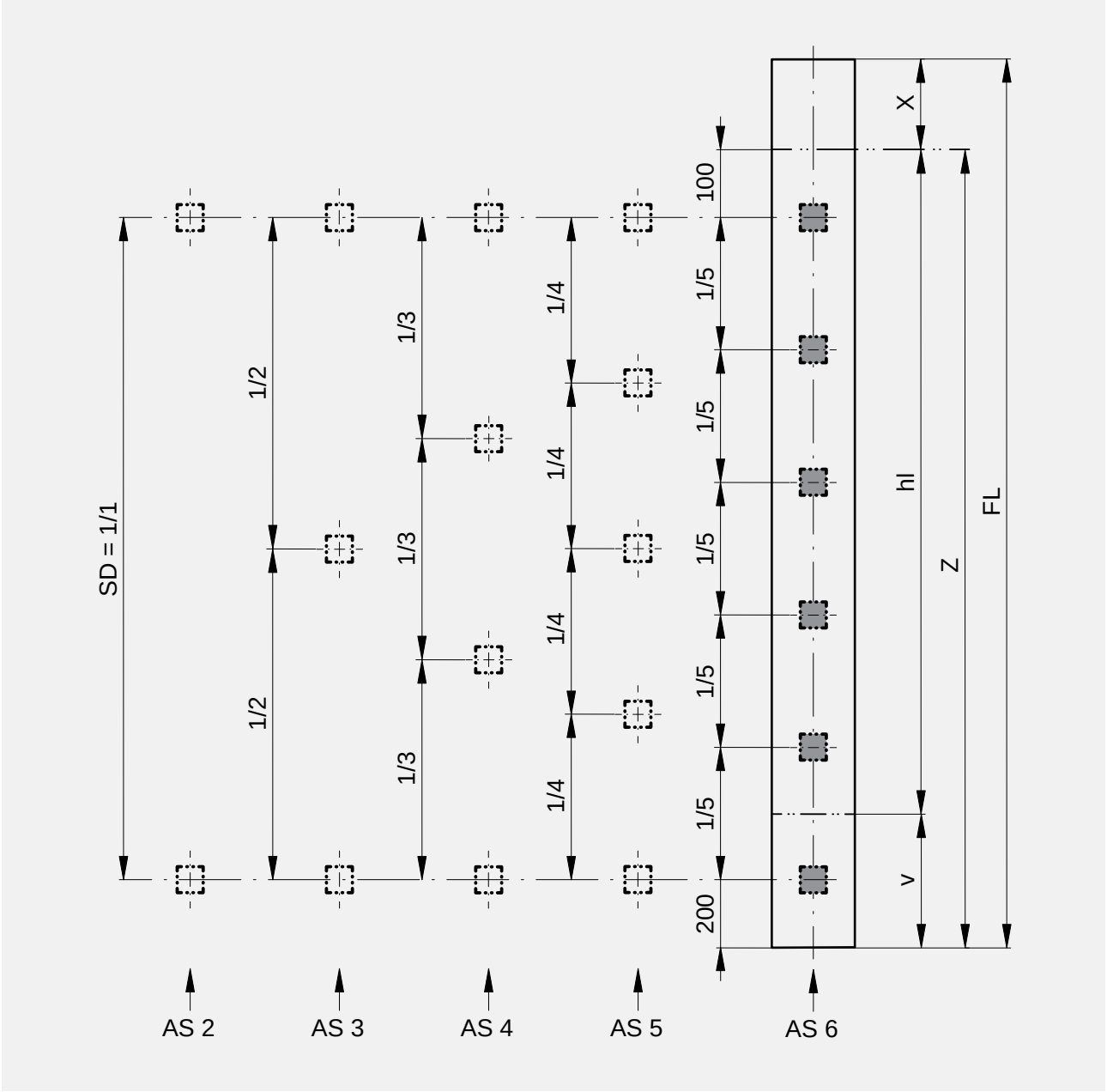
With guide rail extension

Z	AS
≤ 1500	2
1501 – 2700	3
2701 – 3900	4
3901 – 5100	5
> 5100	6

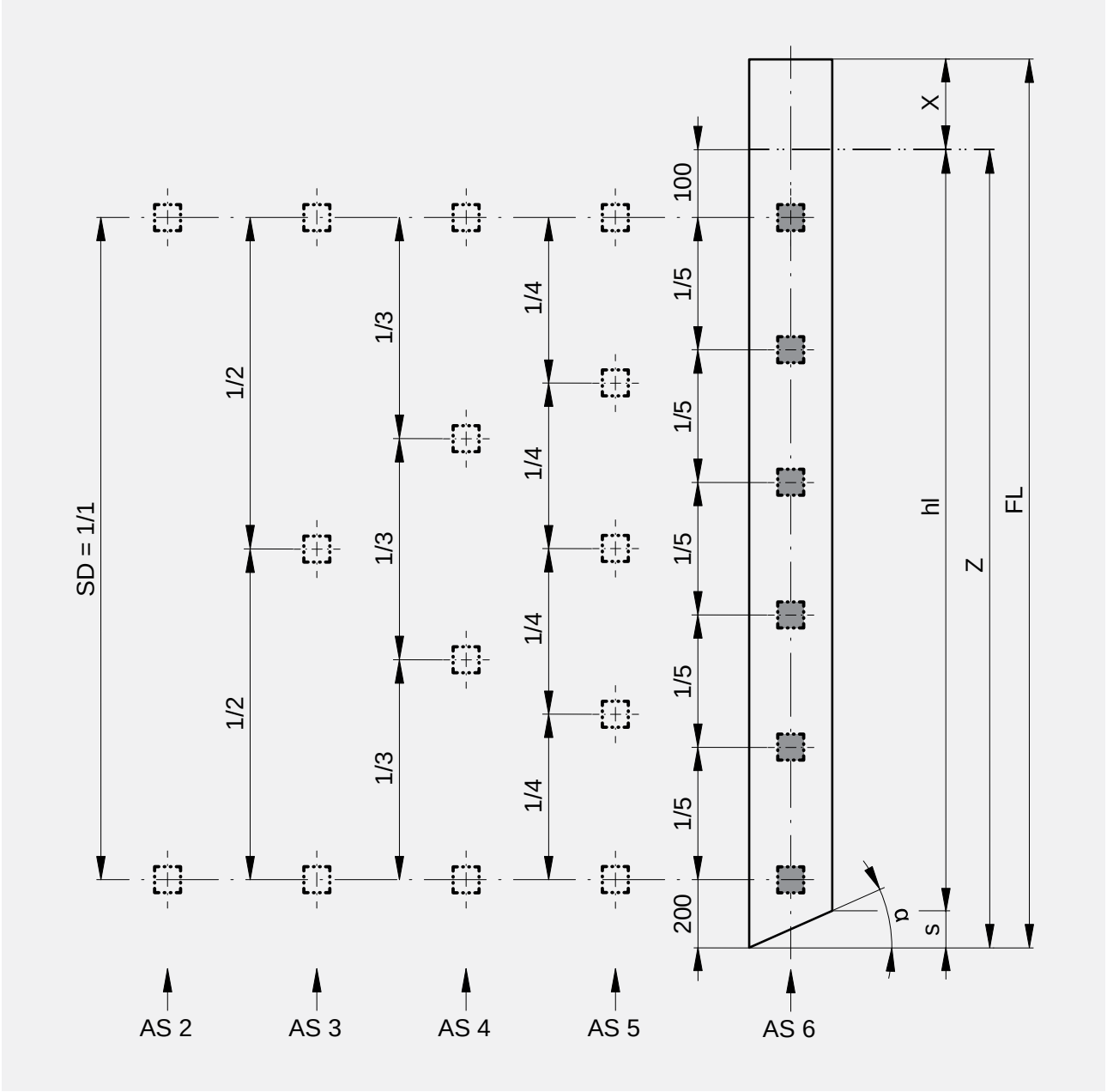


AS: Number of slits
SD: Slot spacing, max. 1200
v: Guide rail extension, max. 1000

Guide extension and facet 118
Guide rail fastenings 111
Installation window 126 / 127

With facet

Z	AS
≤ 1500	2
1501 – 2700	3
2701 – 3900	4
3901 – 5100	5
> 5100	6



AS: Number of slits
SD: Slot spacing, max. 1200
s: Faceting (guide rail width x tgα)

Guide extension and facet 118
Guide rail fastenings 111
Installation window 126 / 127

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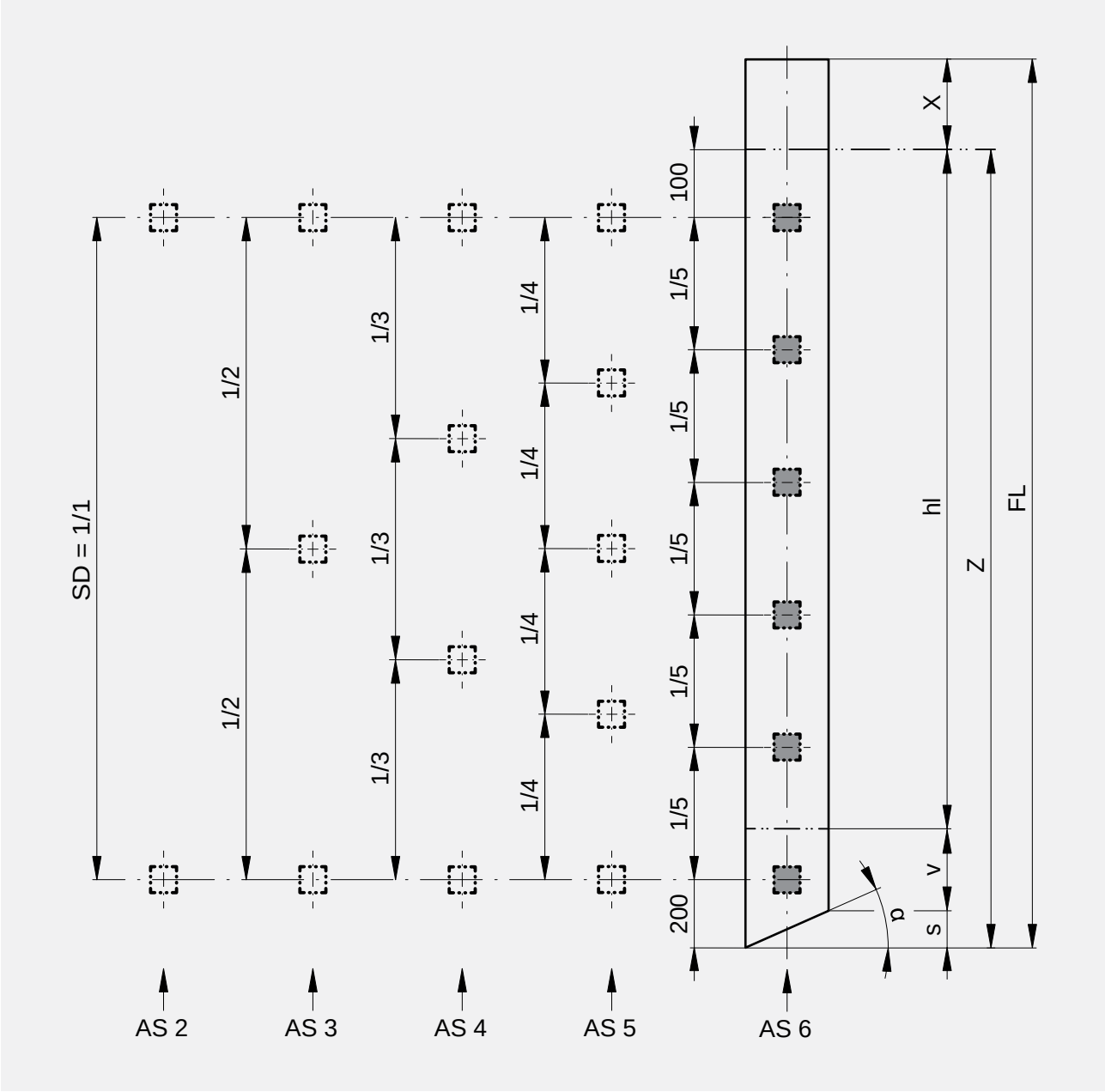
With guide rail extension and facet

Z	AS
≤ 1500	2
1501 – 2700	3
2701 – 3900	4
3901 – 5100	5
> 5100	6



AS: Number of slits
s: Faceting (guide rail width x tgα)
SD: Slot spacing, max. 1200
v: Guide rail extension, max. 1000

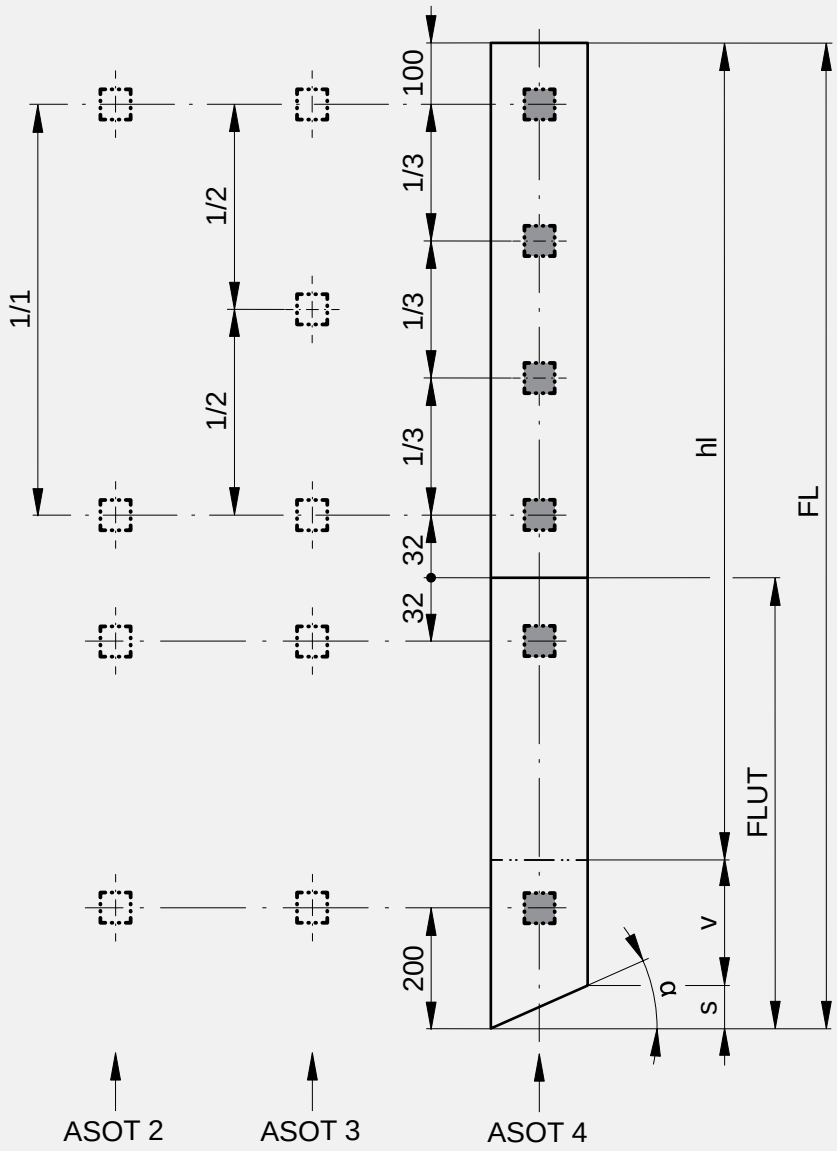
Guide extension and facet 118
Guide rail fastenings 111
Installation window 126 / 127

For two-part guide

Grinotex® III

FLUT	for s + v ≤ 80 hl*	for s + v > 80 s + v	ASOT	hl*
500	≤ 1635	81 – 250	2	≤ 2582
1000	1636 – 1885	251 – 750	3	2583 – 3782
1250	≥ 1886	≥ 751	4	≥ 3783

* hl > 1135: always with continuous beading.



ASOT: Number of slits in top part
FLUT: Length of bottom part
s: Faceting (guide rail width x tgα)
v: Guide rail extension, max. 1000

Guide extension and facet 119
Guide rail fastenings 111
Installation window 126

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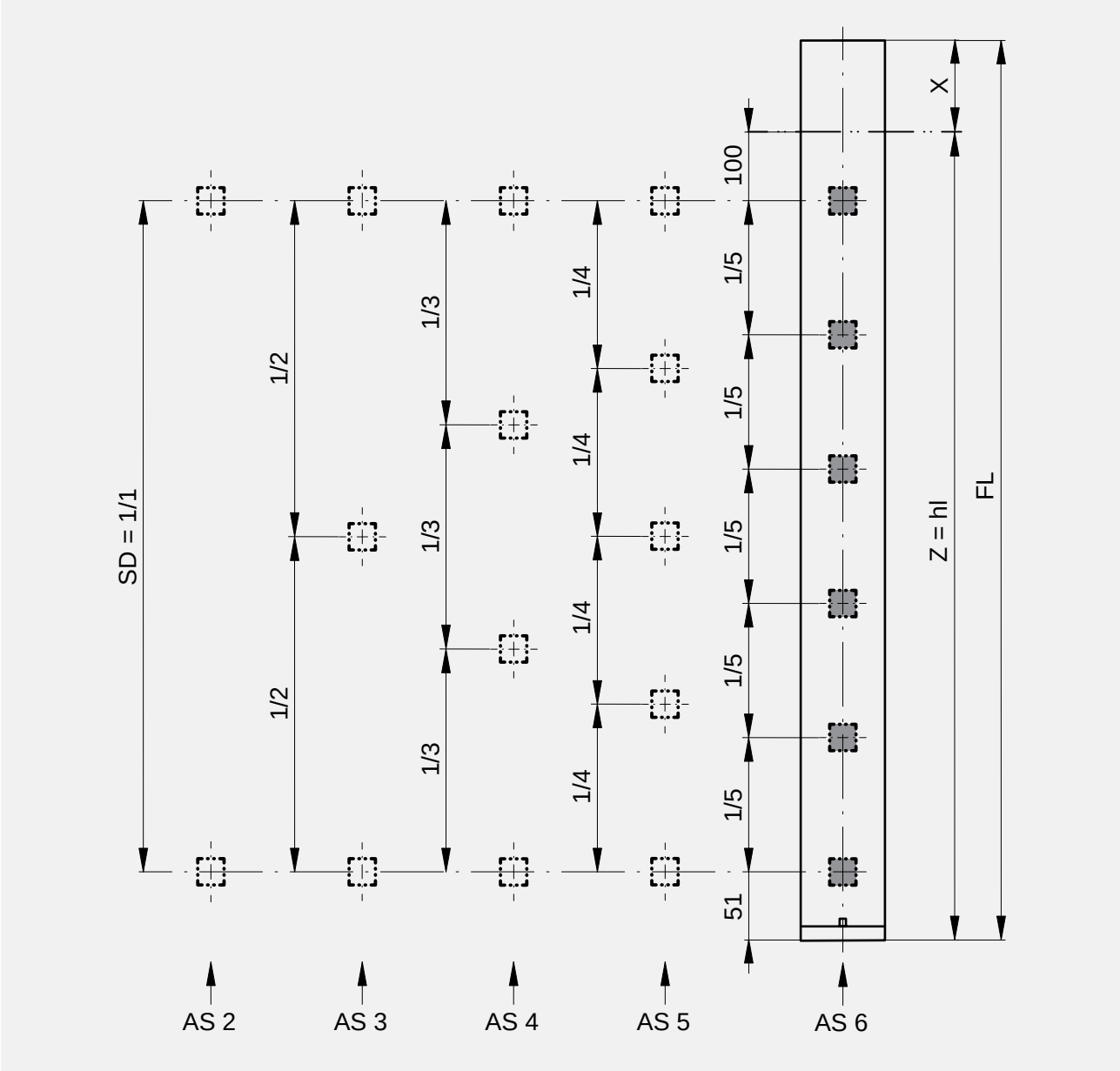
FASTENING POINTS

Lamisol® III Vento

Without extension

Z	AS
≤ 740	2
741 – 1340	3
1341 – 1940	4
1941 – 2540	5
> 2540	6



AS: Number of slits

SD: Slot spacing, max. 600

Guide rail fastenings 111

Installation window 127

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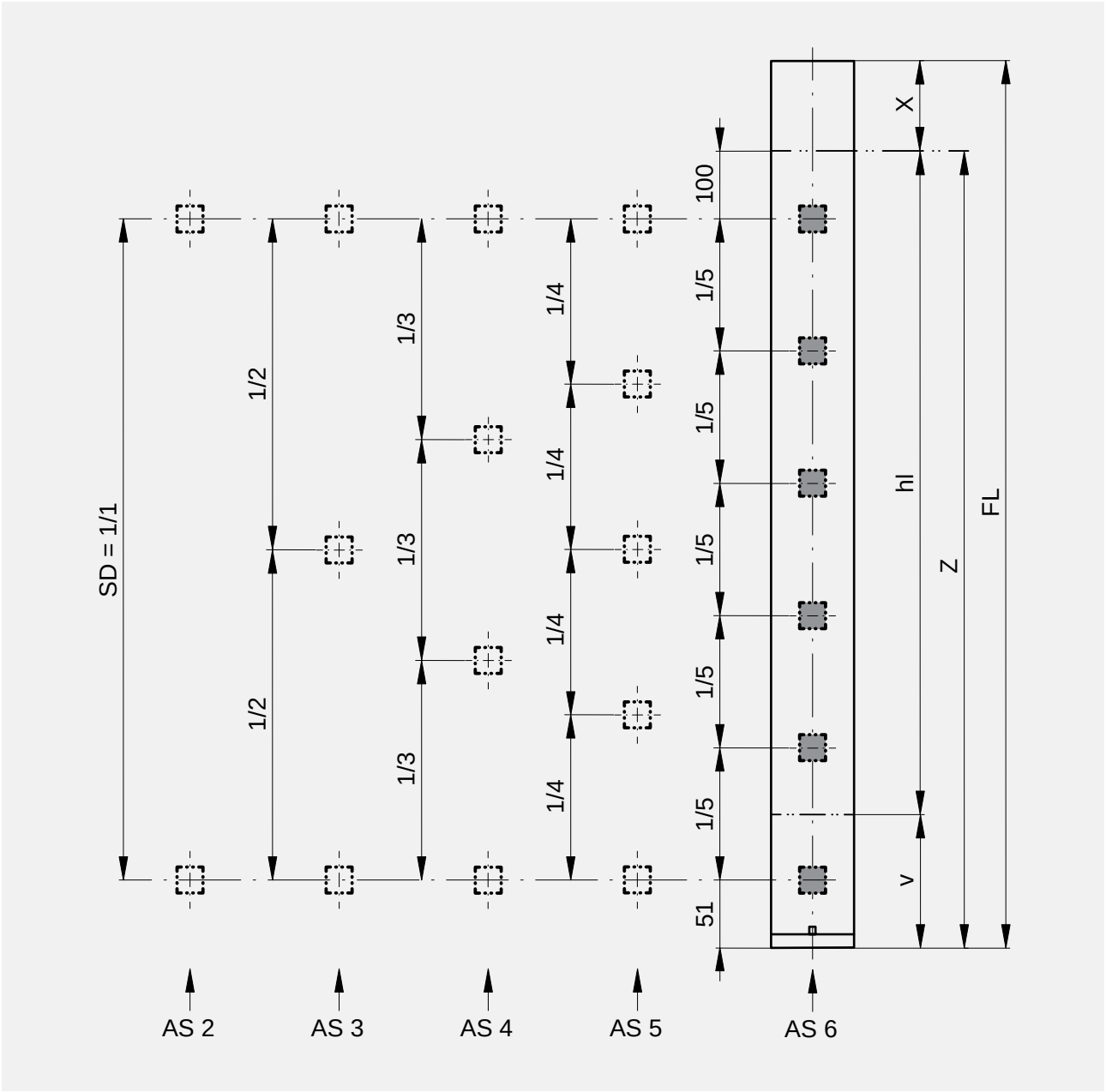
With guide rail extension

Z	AS
≤ 740	2
741 – 1340	3
1341 – 1940	4
1941 – 2540	5
> 2540	6



AS: Number of slits
SD: Slot spacing, max. 600
v: Guide rail extension, max. 500

Guide extension 120
Guide rail fastenings 111
Installation window 127

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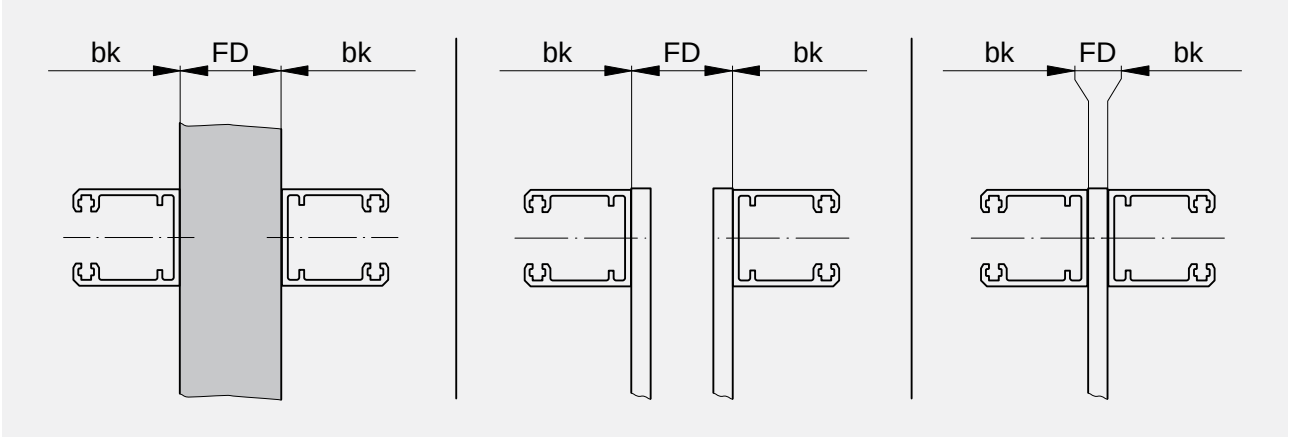
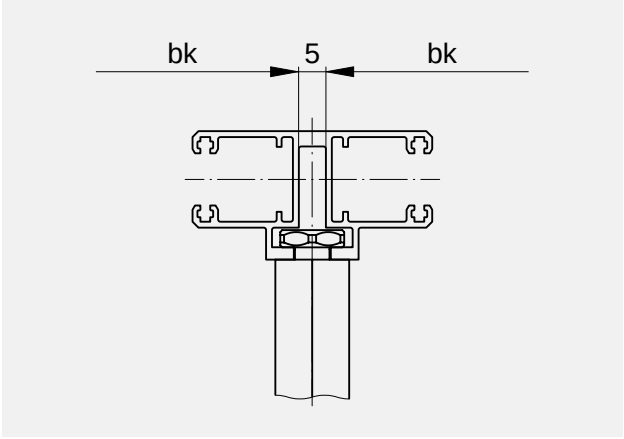
DISTANCE BETWEEN GUIDES FD

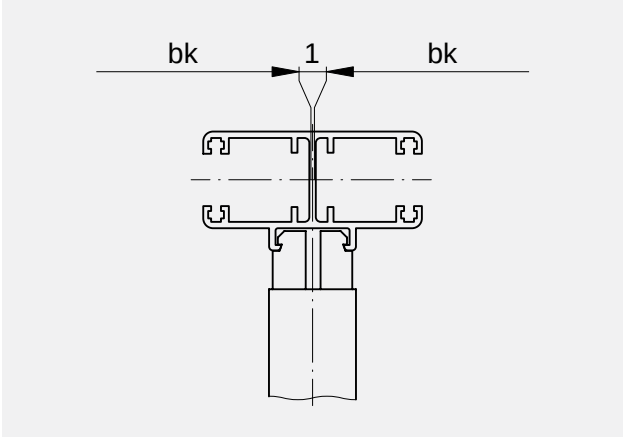
Single guide / Fix guide



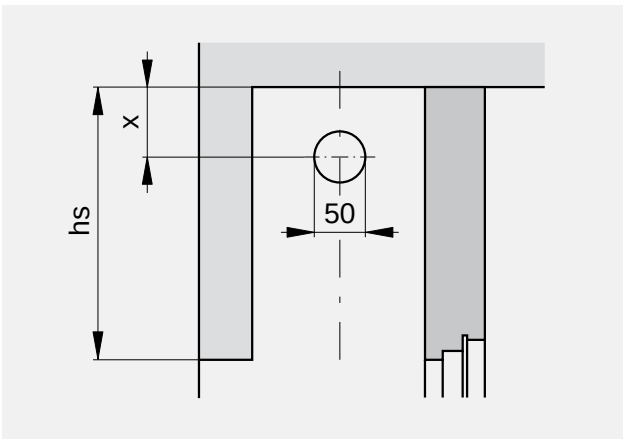
FD min.	FD max.
5	1000

Double guide





OPENING FOR CONNECTED BLINDS



Product	x
Metalunic® V	45
Grinotex® III	
Lamisol® III	
Lamisol® III Vento	50
Aluflex®	
Solomatic® II	

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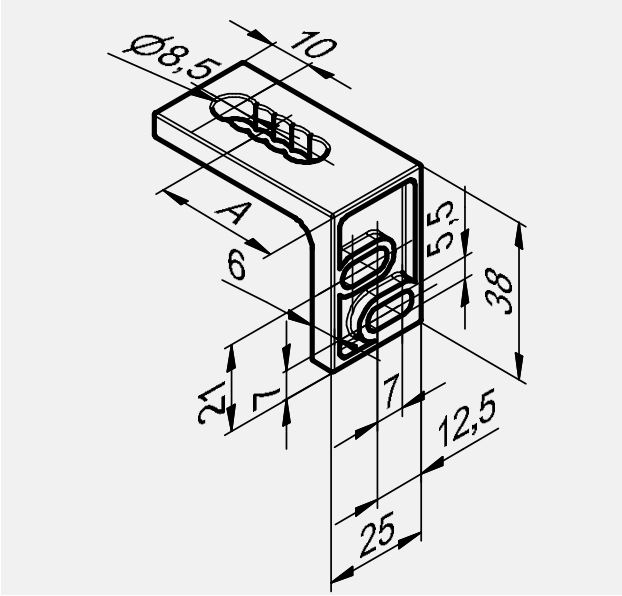
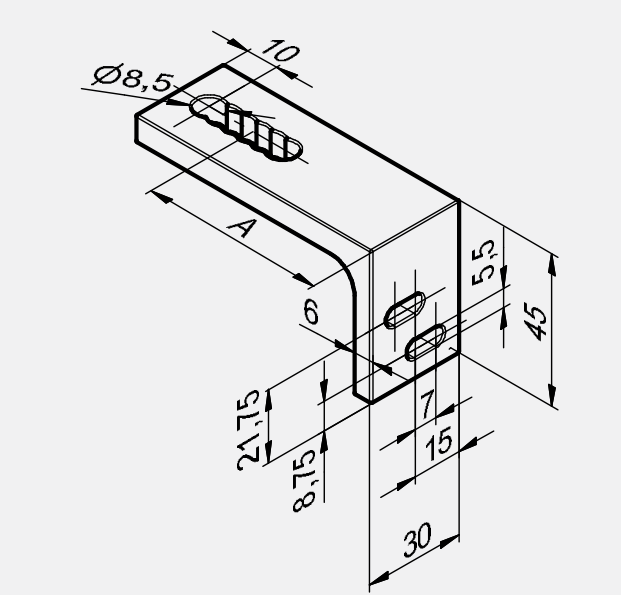
CABLE FASTENINGS

Aluflex® | Solomatic® II

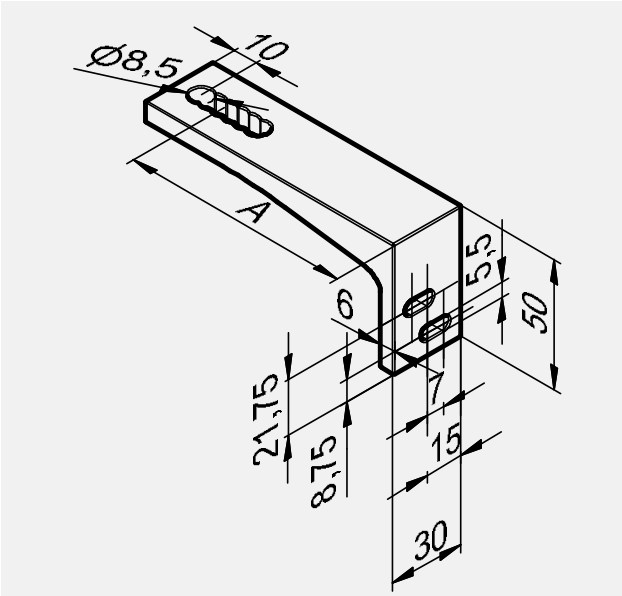
Type S | Soffit or facade installation



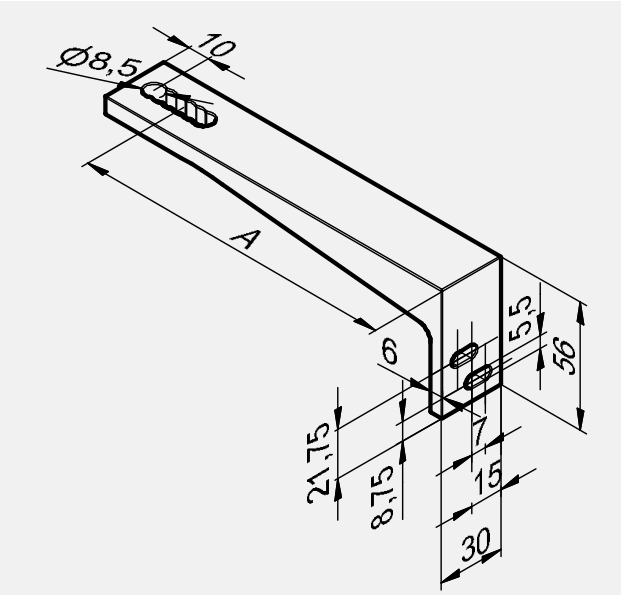
A
20–40*



A
45–70*



A
75–100
105–130*



A
135–160
165–190*

* in 5 mm steps

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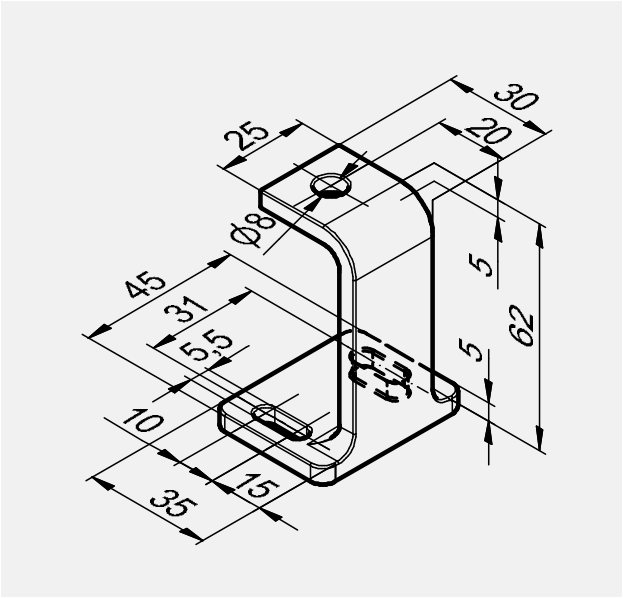
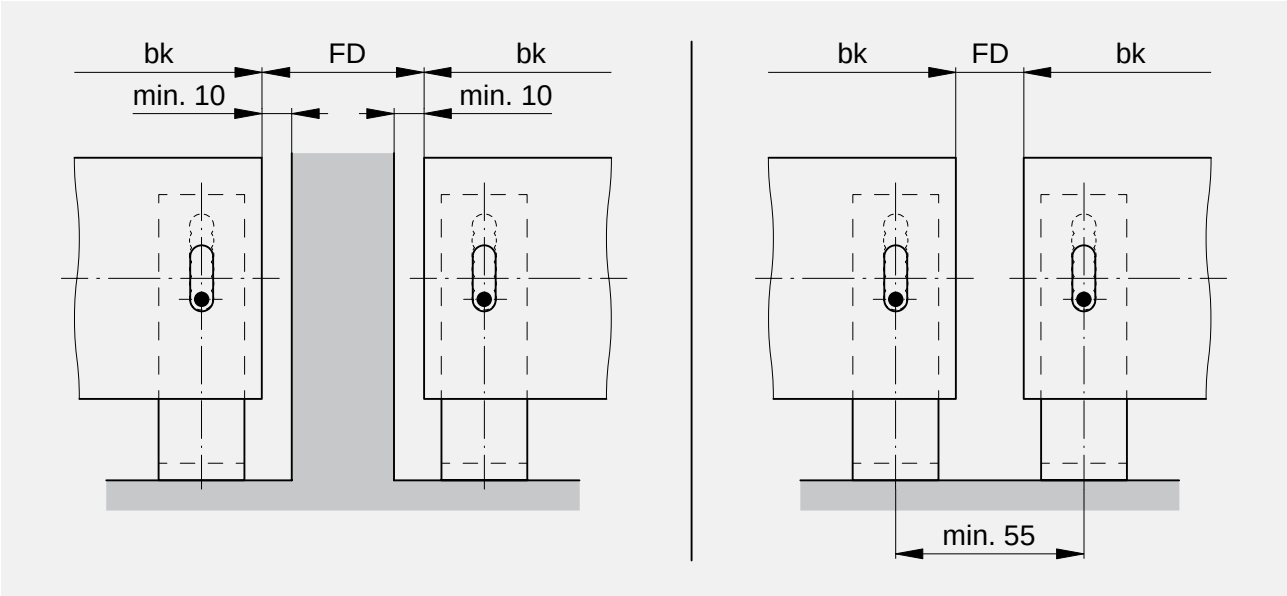
Type NU | Windowsill installation

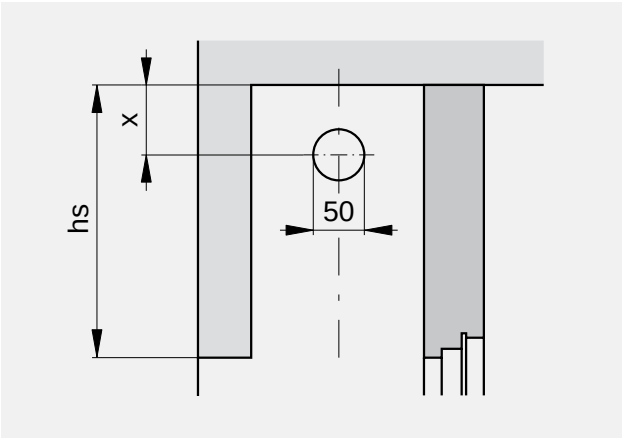


DISTANCE BETWEEN GUIDES FD



FD min.	FD max.
15	1000

OPENING FOR CONNECTED BLINDS



Product	x
Metalunic® V	45
Grinotex® III	50
Lamisol® III	
Aluflex®	
Solomatic® II	

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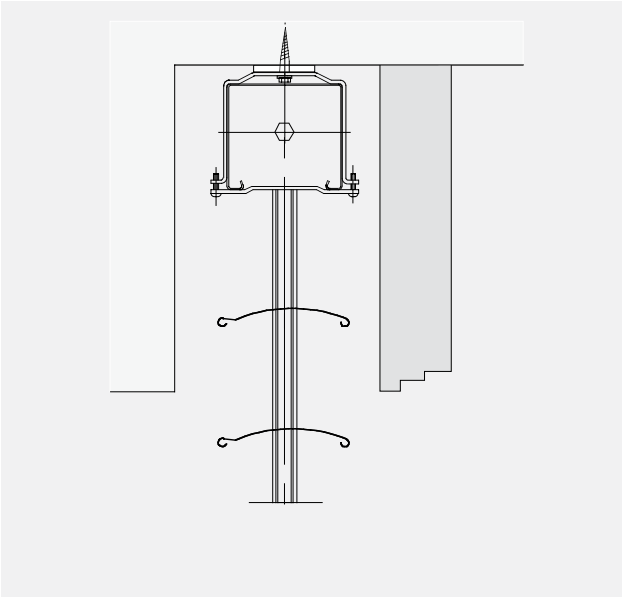
HOUSING FASTENING

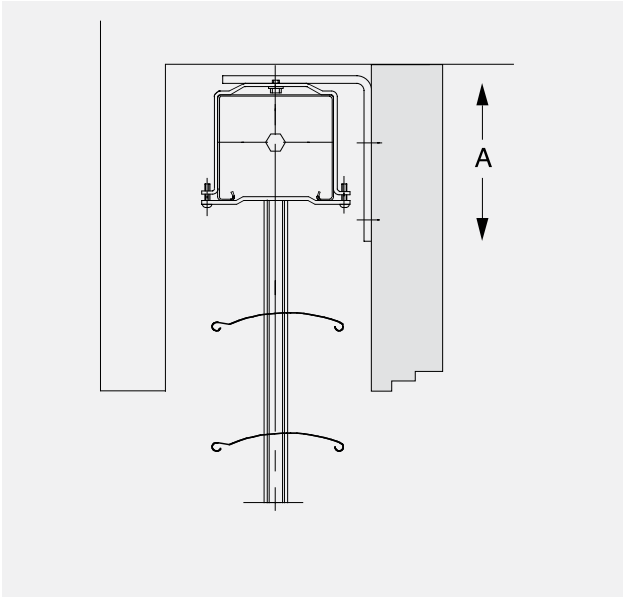
NO

At top



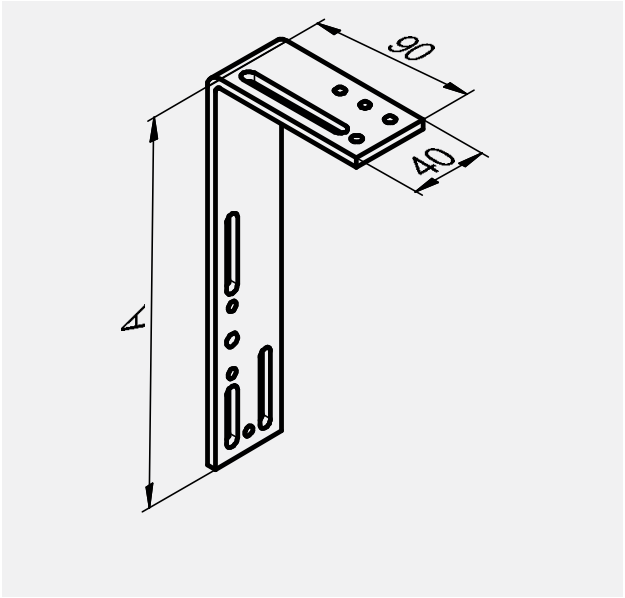
KT

Box support



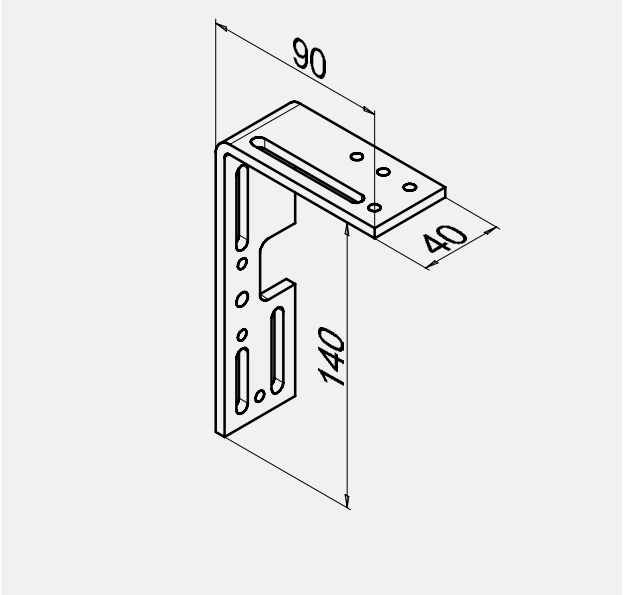
A
140
200
260

Box support



A
200
260

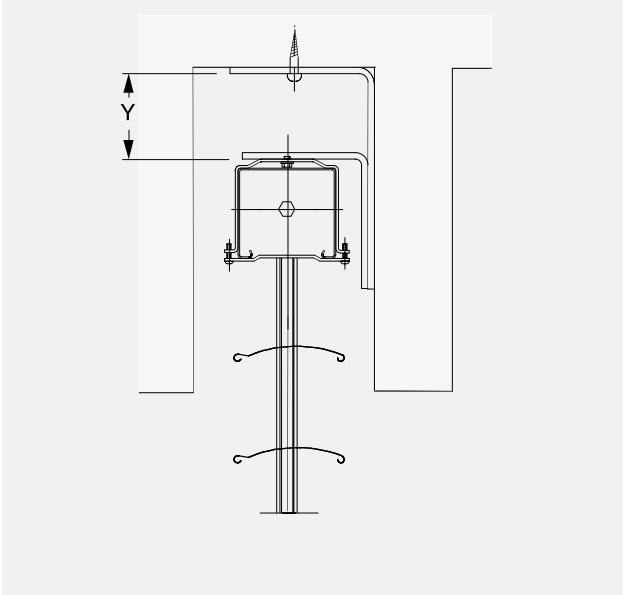
Box support for small headers (Header 100)



A
140

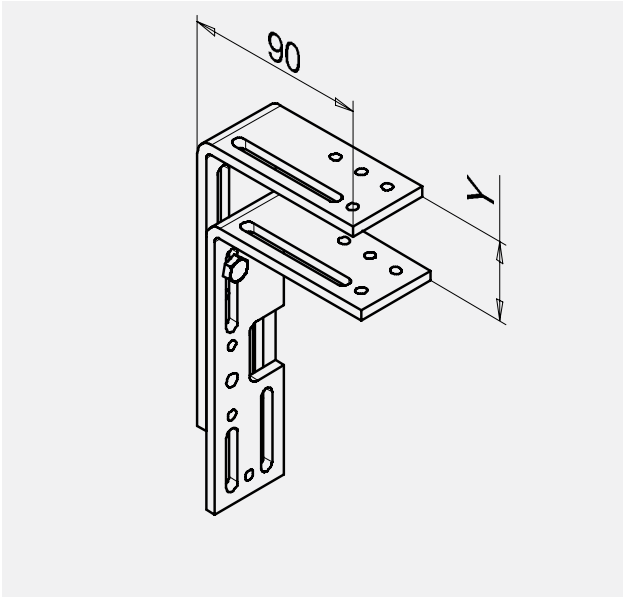
DR

Double box support



A
10–200

Double box support



Y
10–75
75–135
135–200

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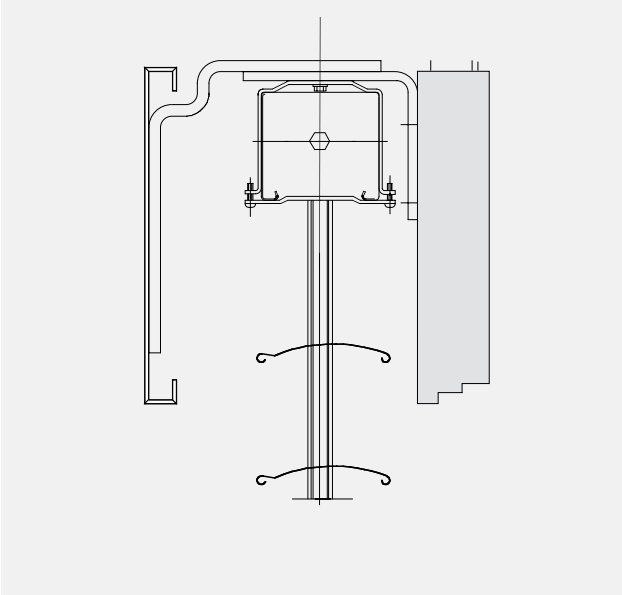
Gallery clip

GB



NUMBER OF BOX SUPPORTS

Conventional and cable guides

Aluflex®, Lamisol® III, Solomatic® II

bk	Quantity
≤ 2000	2
2001 – 3000	3
3001 – 4000	4
> 4000	5

Fix guides

Additional fastenings

Aluflex®, Lamisol® III, Lamisol® III Vento, Solomatic® II

bk	Quantity
≤ 2500	0
2501 – 3500	1
> 3500	2

Grinotex® III

bk	Quantity
≤ 2000*	0
2001 – 3000	1
3001 – 4000	2
> 4000	3

* bk ≤ 1500 with motor > 9 Nm