



Monoblock Roller Shutter Systems

Technical Catalogue



**Monoblock Roller Shutter Systems
Technical Catalogue**

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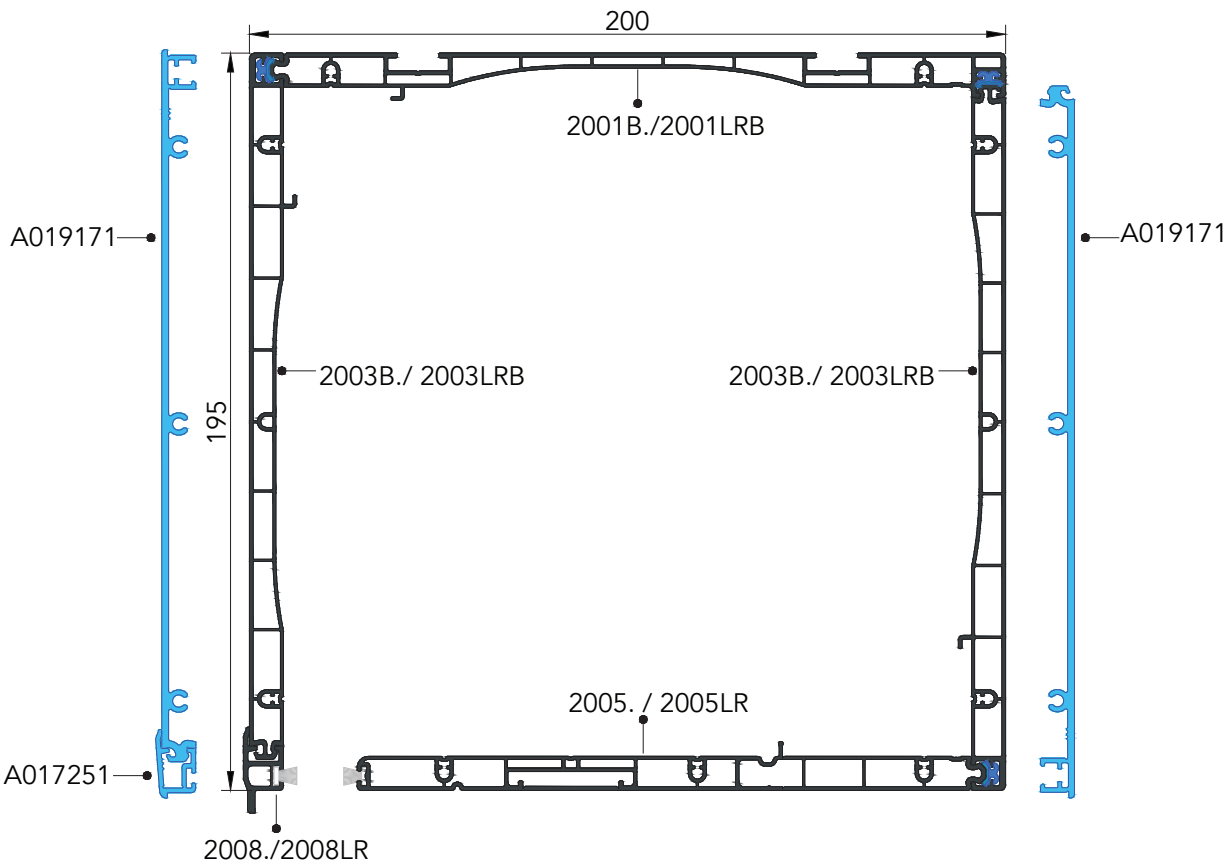
A white line architectural drawing on a red background. The drawing depicts a building with a steep, gabled roof. The roof is supported by a series of vertical posts or columns. The interior of the building shows a series of horizontal lines, possibly representing a floor or a series of steps. The drawing is minimalist, using only white lines to define the structure.

PVC Monoblock System

PVC Monoblock System

PVC Box Sets

■ 2020 - 195x200 mm
PVC Monoblock Box



Specs			
2020B. with Balloon Gasket	2020LRB Laminated with Balloon Gasket	Length	Package Contents
2001B.	2001LRB	6,5 m	1 Piece
2003B.	2003LRB		2 Pieces
2005.	2005LR		1 Piece
2008.	2008LR		1 Piece

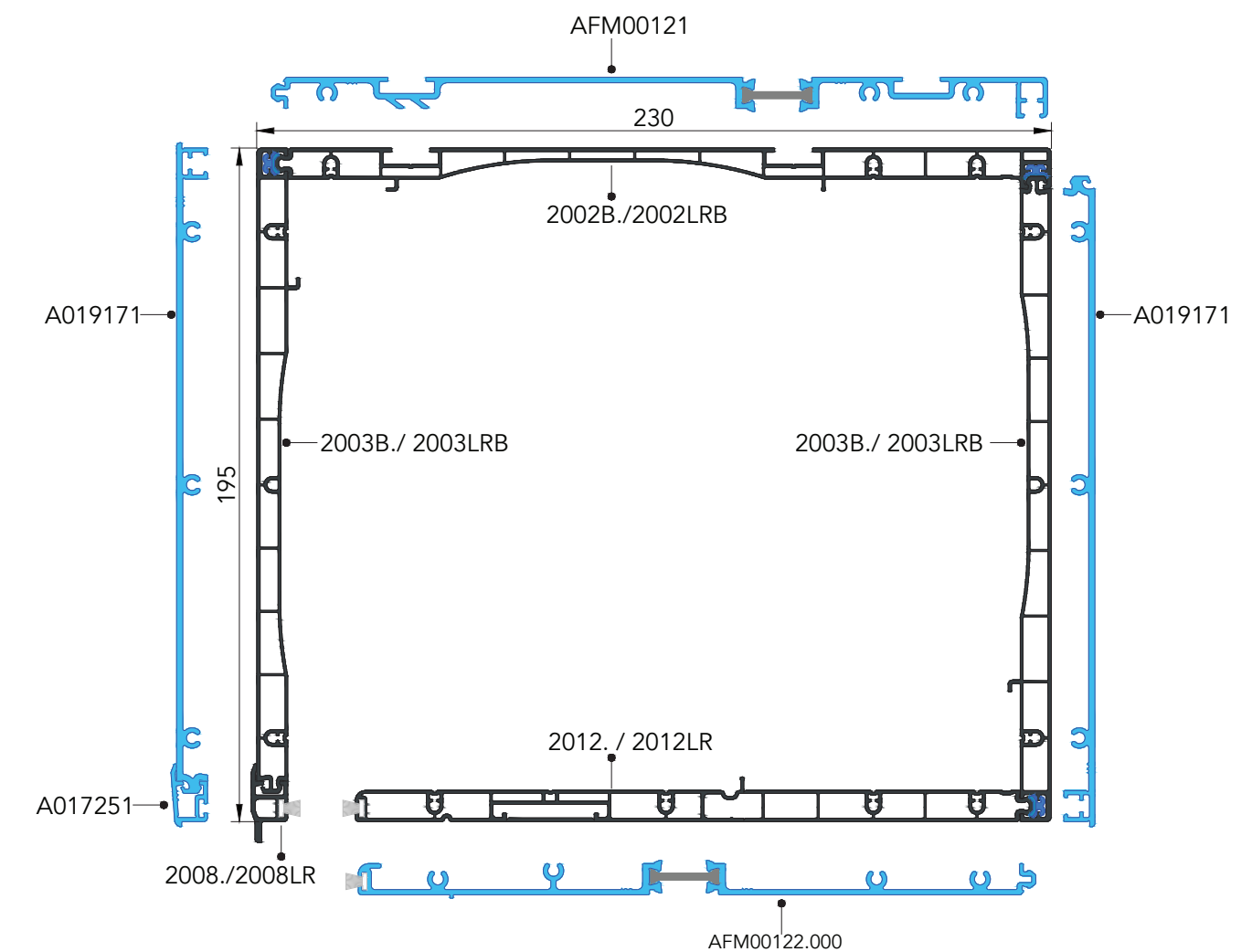
Number of Winding		
Slat Code	Piece of Slats	Height + Box
39 N/NP	73	2850 + Box mm
43 S	65	2800 + Box mm
55 N/NP	39	2150 + Box mm

The values given are theoretical. The tolerance for the number of slats is ±2 pieces.

PVC Monoblock System

PVC Box Sets

■ 2021 - 195x230 mm
PVC Monoblock Box



Specs			
2021B. with Balloon Gasket	2021LRB Laminated with Balloon Gasket	Length	Package Contents
2002B.	2002LRB	6,5 m	1 Piece
2003B.	2003LRB		2 Pieces
2012.	2012LR		1 Piece
2008.	2008LR		1 Piece

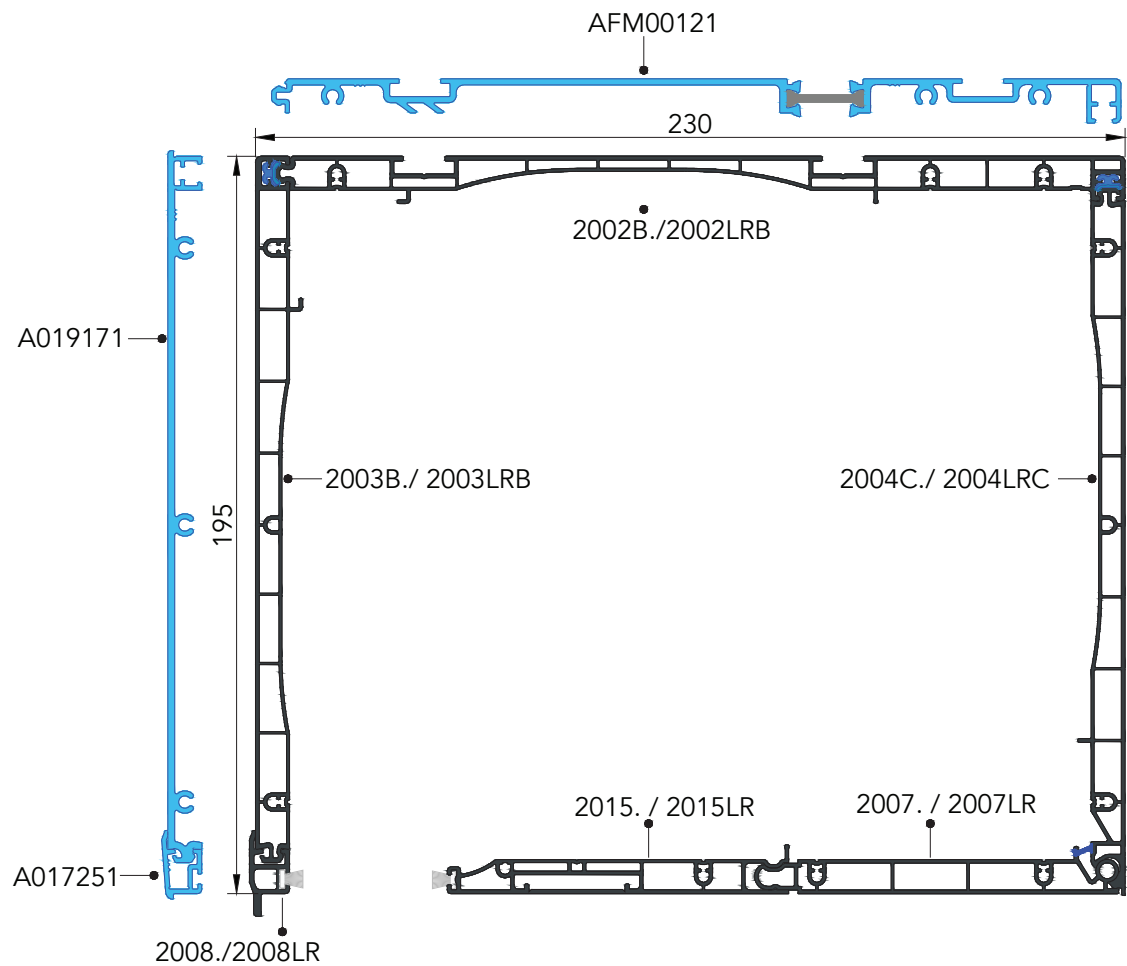
Number of Winding		
Slat Code	Piece of Slats	Height + Box
39 N/NP	73	2850 + Box mm
43 S	65	2800 + Box mm
55 N/NP	39	2150 + Box mm

The values given are theoretical. The tolerance for the number of slats is ±2 pieces.

PVC Monoblock System

PVC Box Sets

■ 2022 - 195x230 mm
PVC Monoblock Box



Specs			
2022B. with Balloon Gasket	2022LRB Laminated with Balloon Gasket	Length	Package Contents
2002B.	2002LRB	6,5 m	1 Piece
2003B.	2003LRB		
2004.	2004LRC		
2015.	2015LR		
2007.	2007LR		
2008.	2008LR		

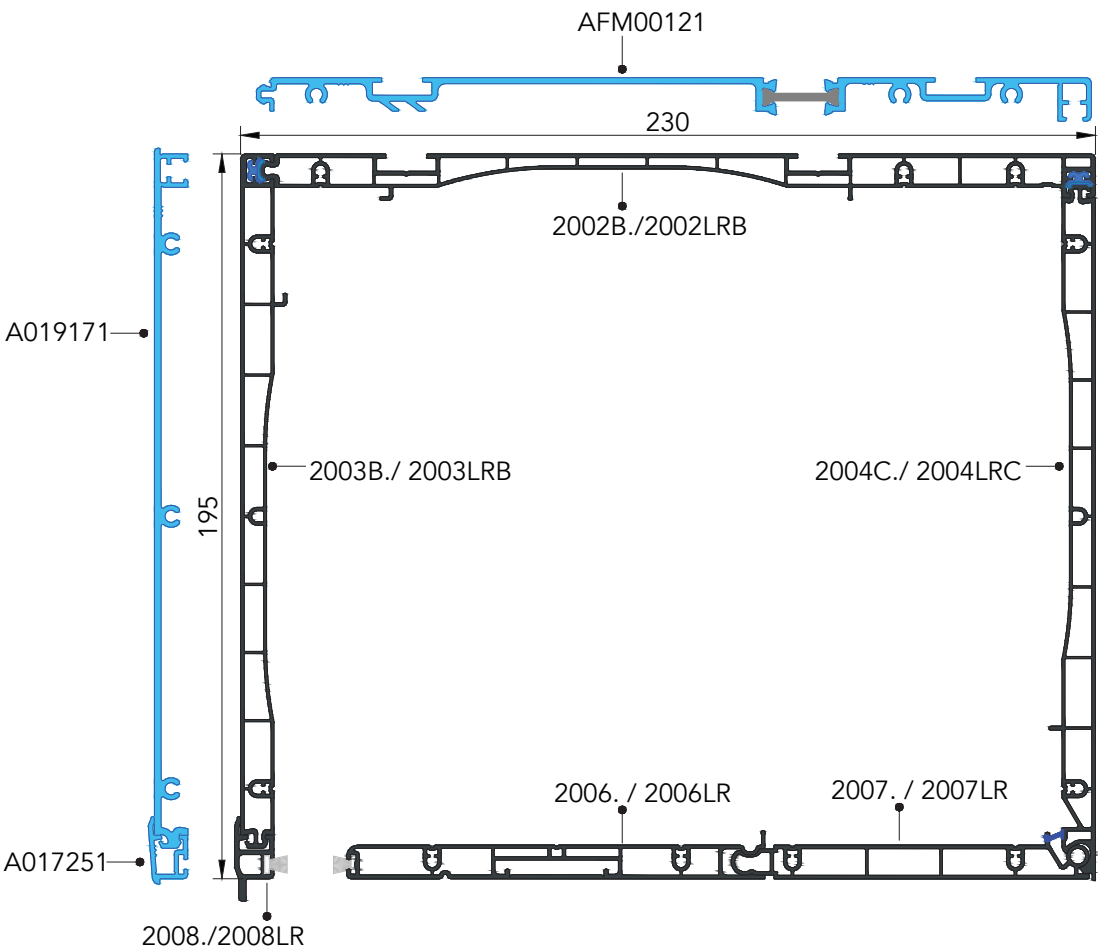
Number of Winding		
Slat Code	Piece of Slats	Height + Box
39 N/NP	40	1550 + Box mm
43 S	36	1600 + Box mm
55 N/NP	22	1200 + Box mm

The values given are theoretical. The tolerance for the number of slats is ±2 pieces.

PVC Monoblock System

PVC Box Sets

■ 2023 - 195x230 mm
PVC Monoblock Box



Specs			
2023B. with Balloon Gasket	2023LRB Laminated with Balloon Gasket	Length	Package Contents
2002B.	2002LRB	6,5 m	1 Piece
2003B.	2003LRB		
2004C.	2004LRC		
2006	2006LR		
2007.	2007LR		
2008.	2008LR		

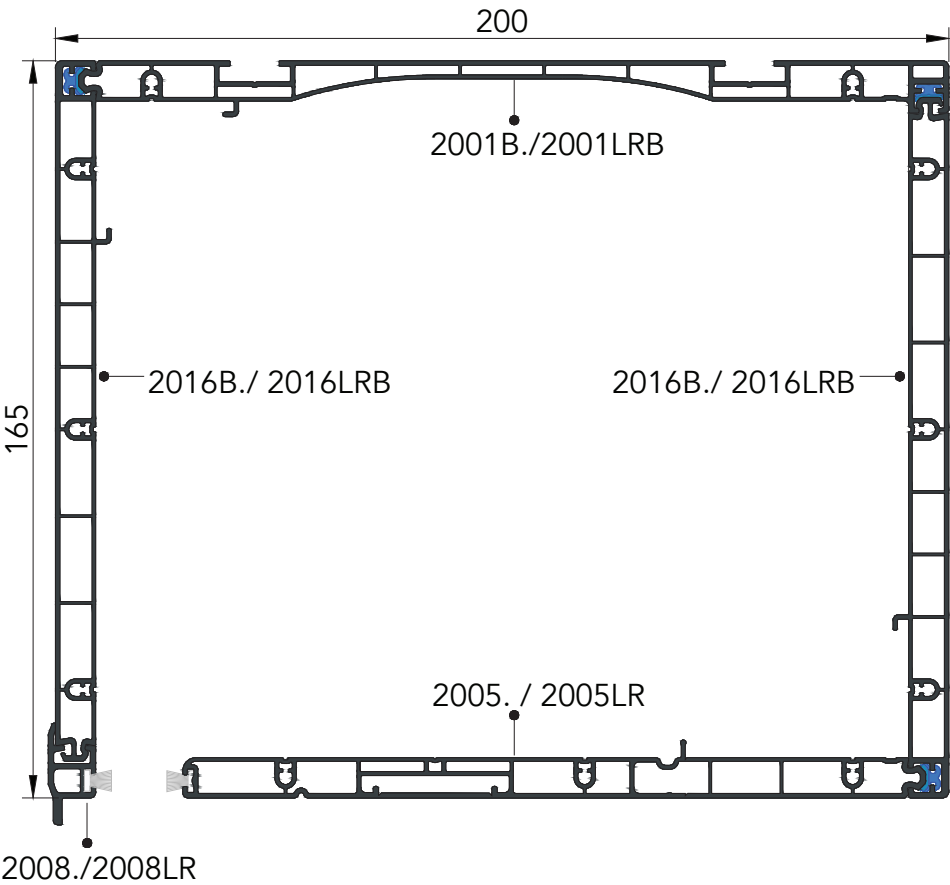
Number of Winding		
Slat Code	Piece of Slats	Height + Box
39 N/NP	73	2850 + Box mm
43 S	65	2800 + Box mm
55 N/NP	39	2150 + Box mm

The values given are theoretical. The tolerance for the number of slats is ±2 pieces.

PVC Monoblock System

PVC Box Sets

■ 2024 - 165x200 mm
PVC Monoblok Kutu



Specs			
2024B. with Balloon Gasket	2024LRB. Laminated with Balloon Gasket	Length	Package Contents
2001B.	2001LRB	6,5 m	1 Piece
2016B.	2016LRB		2 Pieces
2005.	2005LR		1 Piece
2008.	2008LR		1 Piece

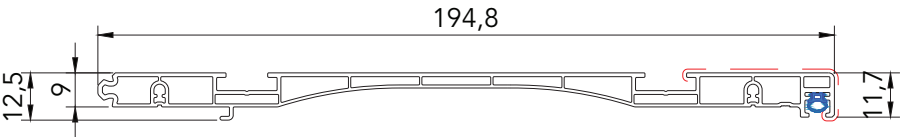
Number of Winding		
Slat Code	Piece of Slats	Height + Box
39 N/NP	49	1900 + Box mm
43 S	39	1700 + Box mm
55 N/NP	21	1200 + Box mm

The values given are theoretical. The tolerance for the number of slats is ±2 pieces.

PVC Monoblock System

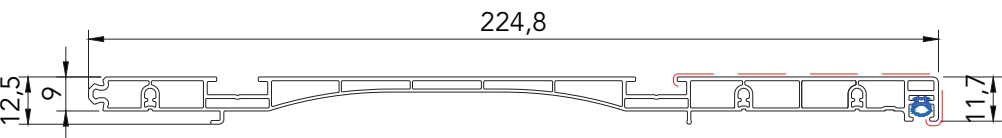
PVC Box Profiles

195x200 mm Top Box Profile



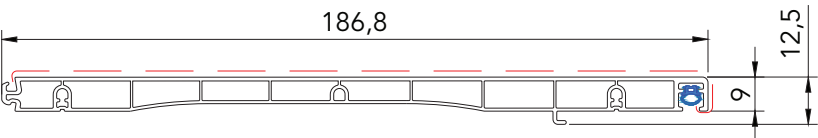
Specs			
Product Code	Available Colors	Length	Package Contents
2001B.	White+Gasket	6,5 m	65 mt. Package
2001LRB	Laminated+Gasket		

195x230 mm Top Box Profile



Specs			
Product Code	Available Colors	Length	Package Contents
2002B.	White+Gasket	6,5 m	65 mt. Package
2002LRB	Laminated+Gasket		

195x200 mm Box Profile



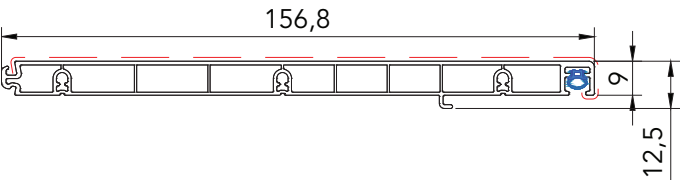
Specs			
Product Code	Available Colors	Length	Package Contents
2003B.	White+Gasket	6,5 m	65 mt. Package
2003LRB	Laminated+Gasket		

— Full Laminated

PVC Monoblock System

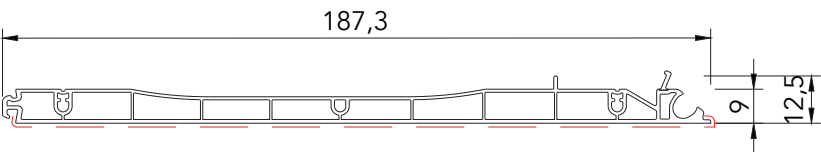
PVC Box Profiles

165x200 mm Box Profile



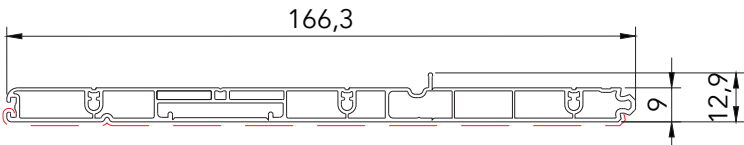
Specs			
Product Code	Available Colors	Length	Package Contents
2016B.	White+Gasket	6,5 m	65 mt. Package
2016LRB	Laminated+Gasket		

Box Profile Suitable for Detailed Opening



Specs			
Product Code	Available Colors	Length	Package Contents
2004C.	White+Gasket	6,5 m	65 mt. Package
2004LRC	Laminated+Gasket		

195x200 mm Bottom Box Profile



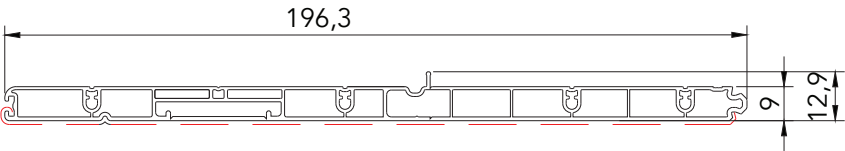
Specs			
Product Code	Available Colors	Length	Package Contents
2005.	White	6,5 m	65 mt. Package
2005LR	Laminated		

Full Laminated

PVC Monoblock System

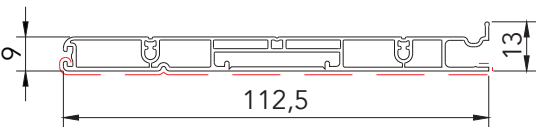
PVC Box Profiles

■ 195x230 mm Bottom Box Profile



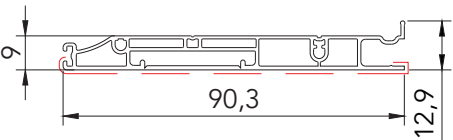
Specs			
Product Code	Available Colors	Length	Package Contents
2012.	White	6,5 m	65 mt. Package
2012LR	Laminated		

■ Bottom Box Profile without Insect Screen



Specs			
Product Code	Available Colors	Length	Package Contents
2006.	White	6,5 m	65 mt. Package
2006LR	Laminated		

■ Bottom Box Profile for Insect Screen



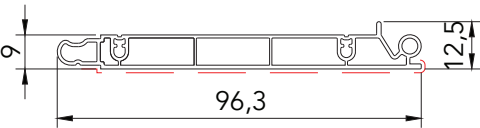
Specs			
Product Code	Available Colors	Length	Package Contents
2015.	White	6,5 m	65 mt. Package
2015LR	Laminated		

— Full Laminated

PVC Monoblock System

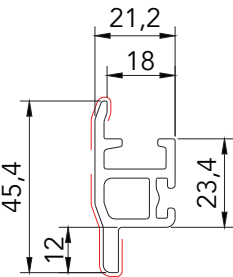
PVC Box Profiles

Bottom Opening Box Profile



Specs			
Product Code	Available Colors	Length	Package Contents
2007.	White	6,5 m	65 mt. Package
2007LR	Laminated		

Front Locking Profile



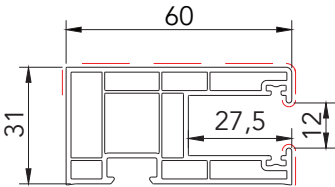
Specs			
Product Code	Available Colors	Length	Package Contents
2008.	White	6,5 m	65 mt. Package
2008LR	Laminated		

— Full Laminated

PVC Monoblock System

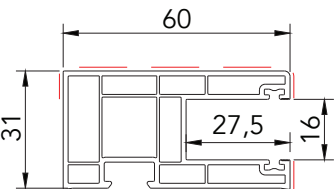
PVC Side and Middle Rails, Adapters

■ Single Guide Rail Without Adapter (for MINI Slats 37S,39N,43S)



Specs			
Product Code	Available Colors	Length	Package Contents
2013C.	White	6,5 m	39 mt. Package
2013LRC	Laminated		

■ Single Guide Rail Without Adapter (for MIDI Slats 55N/55NP)



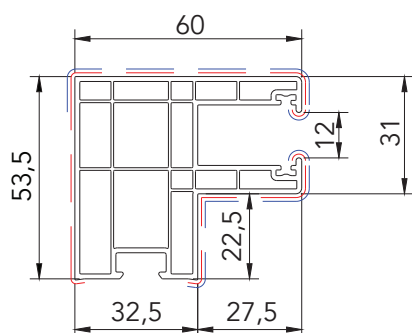
Specs			
Product Code	Available Colors	Length	Package Contents
2013	White	6,5 m	39 mt. Package
2013LR	Laminated		

Use of Insert Brush According to Stitch Type		
Slat Code	2013	2013C
37S	x	48x800
39NP	x	48x800
39N	x	48x800
43S	x	48x800
55NP	48x600	x
55N	48x600	x

PVC Monoblock System

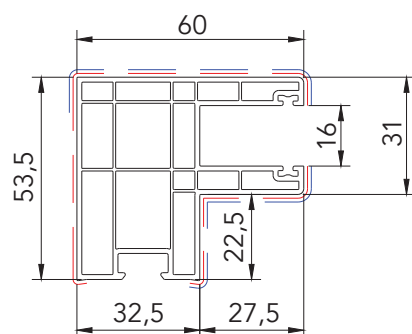
PVC Side and Middle Rails, Adapters

■ Guide Rail with Self Adaptor (For MINI slats)(37S, 39N, 43S)



Specs			
Product Code	Available Colors	Length	Package Contents
2009C.	White	6,5 m	39 mt. Package
2009LRC	Laminated		

■ Guide Rail with Self Adaptor (For MIDI slats)(55N)



Specs			
Product Code	Available Colors	Length	Package Contents
2009.	White	6,5 m	39 mt. Package
2009LR.	Laminated		

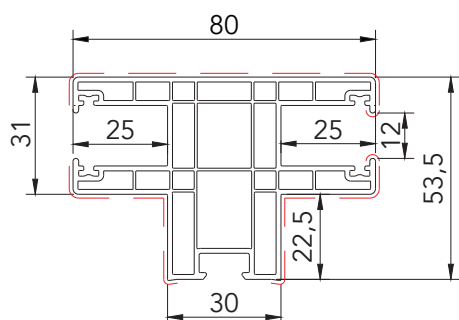
Use of Insert Brush According to Stitch Type		
Slat Code	2009	2009C
37S	x	48x800
39NP	x	48x800
39N	x	48x800
43S	x	48x800
55NP	48x600	x
55N	48x600	x

- Full Laminated
- Half Laminated

PVC Monoblock System

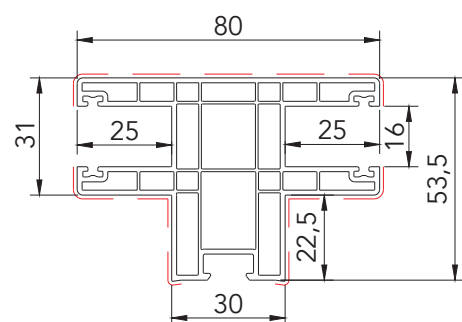
PVC Side and Middle Rails, Adapters

■ Double Guide Rail (For MINI slats 37S, 39N, 43S)



Specs			
Product Code	Available Colors	Length	Package Contents
2010C	White	6,5 m	39 mt. Package
2010LRC	Laminated		

■ Double Guide Rail (For MIDI slats 55N)



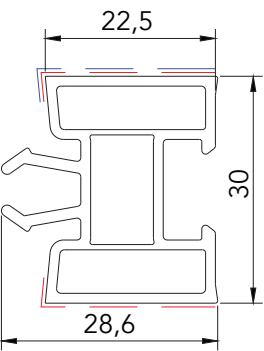
Specs			
Product Code	Available Colors	Length	Package Contents
2010	White	6,5 m	39 mt. Package
2010LR	Laminated		

Use of Insert Brush According to Stitch Type		
Slat Code	2010	2010C
37S	x	48x800
39NP	x	48x800
39N	x	48x800
43S	x	48x800
55NP	48x600	x
55N	48x600	x

PVC Monoblock System

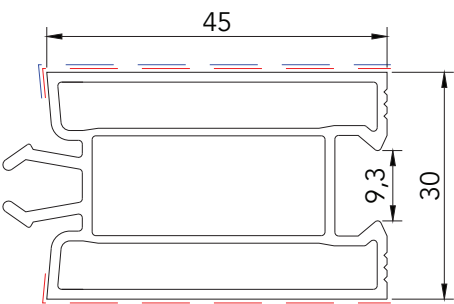
PVC Side and Middle Rails, Adapters

■ Short Adapter Profile



Specs			
Product Code	Available Colors	Length	Package Contents
2011.	White	6,5 m	39 mt. Package
2011LR.	Laminated		

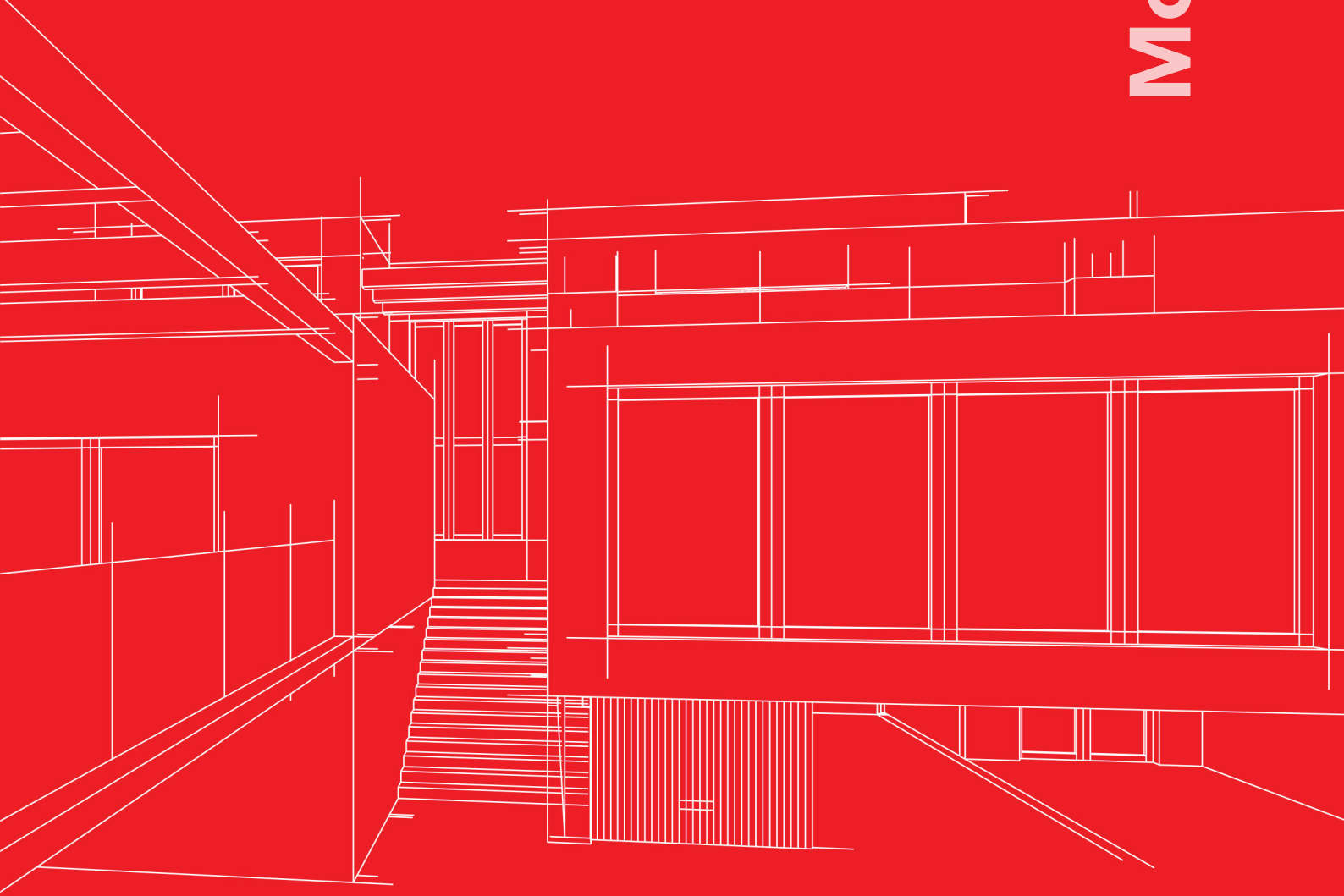
■ Adapter Profile



Specs			
Product Code	Available Colors	Length	Package Contents
1910	White	6,5 m	39 mt. Package
1910LR	Laminated		

- Full Laminated
- Half Laminated

Aluminium Monoblock System

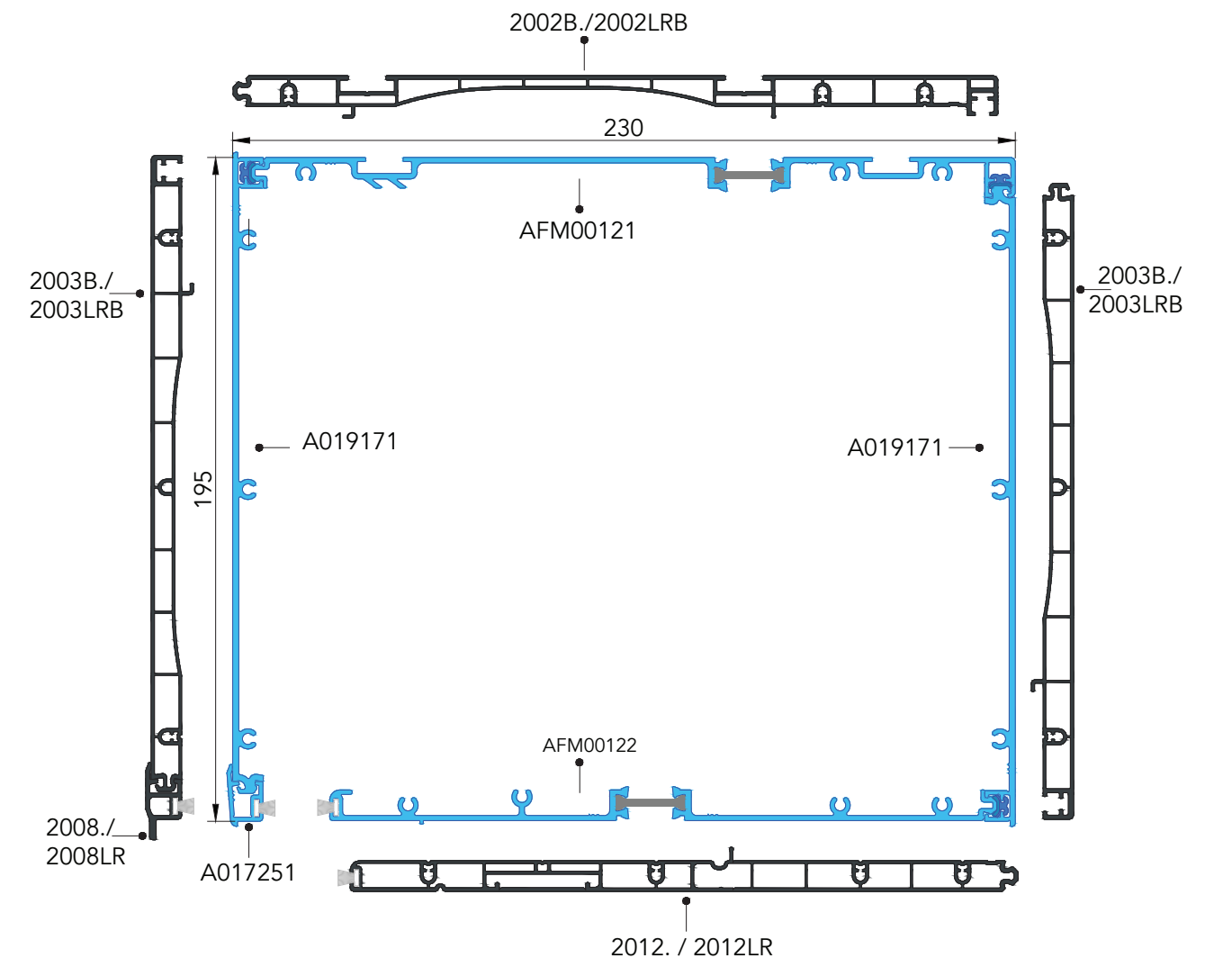


PVC Monoblock System

Aluminium Box Set

■ 3021 - 19 5x230 mm

Aluminium Roller Shutter Box with Isolation



Specs		
3021 Pres	Length	Package Contents
AFM00121	6,5 m	1 Piece
AFM00122		1 Piece
A019171		2 Pieces
A017251		1 Piece

Number of Winding		
Slat Code	Piece of Slats	Height + Box
39 N/NP	73	2850 + Box mm
43 S	65	2800 + Box mm
55 N/NP	39	2150 + Box mm

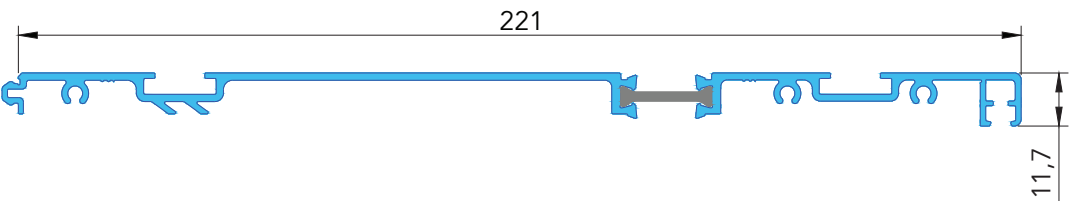
The values given are theoretical. The tolerance for the number of slats is ±2 pieces.

* See Page 26 for the Aluminium Extrusion Color Chart.

PVC Monoblock System

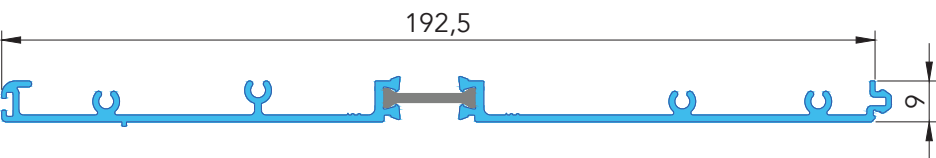
Aluminium Box Set

MA Top Box Profile



Specs			
Product Code	Die Number	Length	Package Contents
AFM00121 - Pres	19170 + 17249	6,5 m	3 Pieces

MA Bottom Box Profile



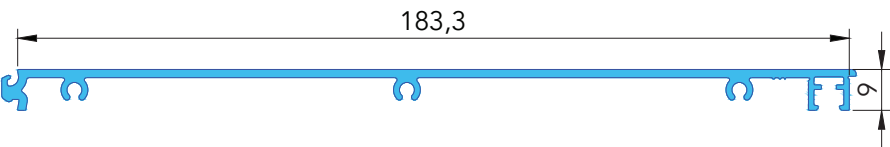
Specs			
Product Code	Die Number	Length	Package Contents
AFM00122 - Pres	17252 + 19172	6,5 m	4 Pieces

* See Page 26 for the Aluminium Extrusion Color Chart.

PVC Monoblock System

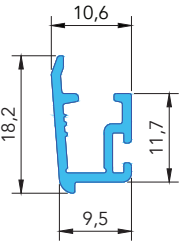
Aluminium Box Profiles

■ MA Front and Back Box Profile



Specs			
Product Code	Die Number	Length	Package Contents
A019171 - Pres	19171	6,5 m	2 Pieces

■ MA Lower Box Profile



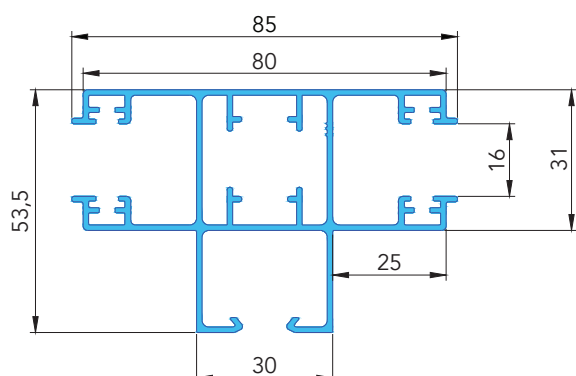
Specs			
Product Code	Die Number	Length	Package Contents
A017251 - Pres	17251	6,5 m	12 Pieces (78 m)

* See Page 26 for the Aluminium Extrusion Color Chart.

PVC Monoblock System

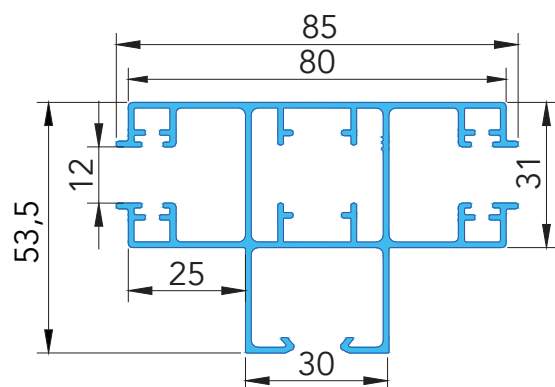
Aluminium Side and Middle Rails, Adapters

■ MA Double Guide Rail with Adapter (For MIDI Slats 55N,55NP)



Specs			
Product Code	Die Number	Length	Package Contents
A017254 - Pres	17254	6,5 m	2 Pieces

■ MA Double Guide Rail with Adapter (for MINI Slats 37S,39N,39NP,43S)



Specs			
Product Code	Die Number	Length	Package Contents
A021742. 000 - Pres	21742	6,5 m	2 Pieces

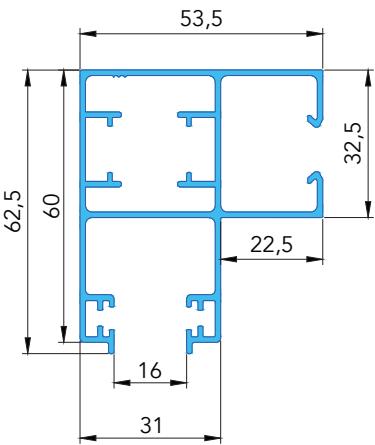
* See Page 26 for the Aluminium Extrusion Color Chart.

** See Page 26 for the Bristle Roving Usage by Guide Rail Type Table.

PVC Monoblock System

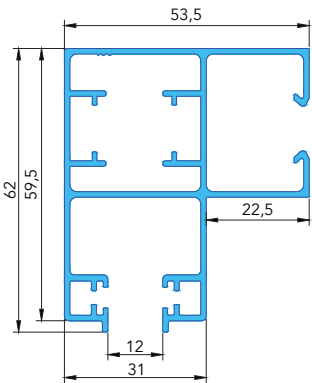
Side and Middle Rails, Adapters

■ Self-Adapter Guide Rail (For MIDI Slats (55N,55NP))



Specs			
Product Code	Die Number	Length	Package Contents
A017255 - Pres	17255	6,5 m	2 Pieces

■ MA Self-Adapting Guide Rail (for MINI slats 37S, 39N,39NP, 43S)



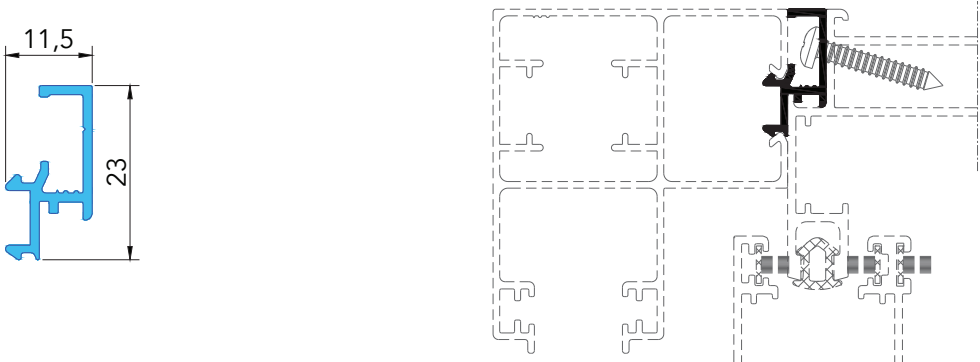
Specs			
Product Code	Die Number	Length	Package Contents
A021122 - Pres	21122	6,5 m	2 Pieces

* See Page 26 for the Aluminium Extrusion Color Chart.
** See Page 26 for the Bristle Roving Usage by Guide Rail Type Table.

PVC Monoblock System

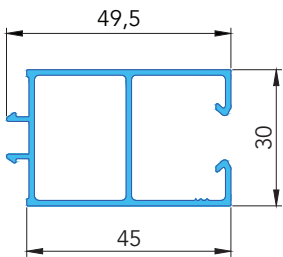
Side and Middle Rails, Adapters

■ MA Sliding Adapter



Specs			
Product Code	Die Number	Length	Package Contents
A017985.ELO.MB Naturel Mat Eloksalli	17985	6,5 m	16 Pieces

■ MA 45 mm Guide Rail Extension Adapter



Specs			
Product Code	Die Number	Length	Package Contents
A017256 - Pres	17256	6,5 m	4 Pieces

* See Page 26 for the Aluminium Extrusion Color Chart.

PVC Monoblock System

Aluminium Box Set

■ * Aluminum Extrusion Color Chart:

Specs		
Color Options	Colour Code	Standard Product Length
Pres	000	6,5 m
Elo	ELO	
White	W 16	
Dark Grey	Y 38	
Metallic Gray	Y 06	
Anthracite Gray	V 16	
Cream	B 15	
Light Beige	B 11	
Brown	M 14	
RAL	RAL	

■ ** Insert Brush Usage Table According to Stitch Type:

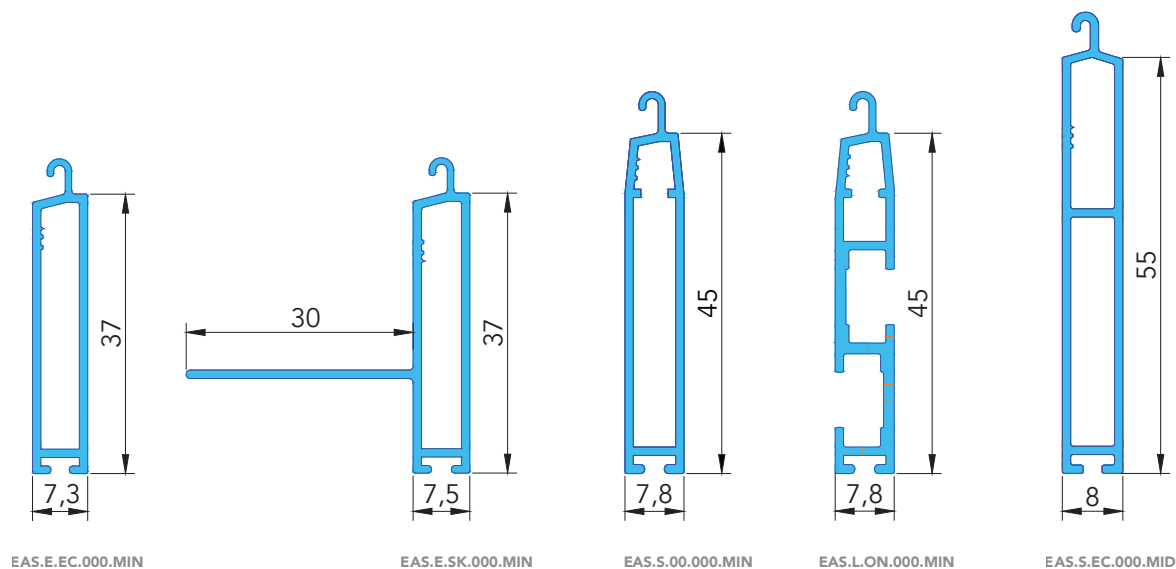
Use of Insert Brush According to Stitch Type		
Slat Code	A021122	AO17254/AO17255
37S	67x600	x
39NP	67x600	x
39N	67x600	x
43S	67x600	x
55NP	x	67x600
55N	x	67x600

Aluminum End Slats and Accessories



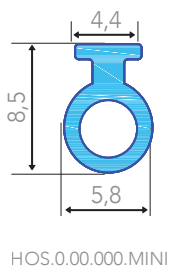
Aluminum End Slats and Accessories

■ Aluminum Bottom Part Profiles (mm)



Slat-Aluminium End Slat Usage					
Slat Code	EAS.E.EC.000.MIN	EAS.E.SK.000.MIN	EAS.S.00.000.MIN	EAS.L.ON.000.MIN	EAS.S.EC.000.MID
37S	✓	✓	✓	✓	✓
39NP	✓	✓	✓	✓	✓
39N	✓	✓	✓	✓	✓
43S	✓	✓	✓	✓	✓
55NP	✓	✓	✓	✓	✓
55N	✓	✓	✓	✓	✓

■ MINI End Slat Rubber Hose EPDM

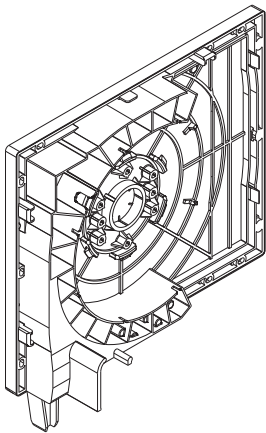


End Slat Rubber Hose Usage	
Slat Code	HOS.0.00.000.MIN
37S	✓
39NP	✓
39N	✓
43S	✓
55NP	✓
55N	✓

* See Page 26 for the Aluminium Extrusion Color Chart.

Aluminum End Slats and Accessories

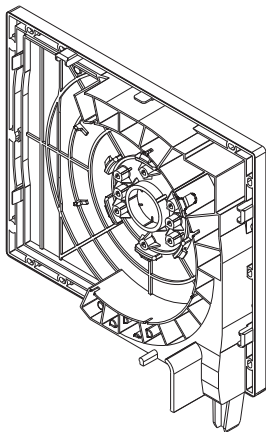
■ Side Frame Left



Specs		
Product Description	Product Code	Product Code
165x200 Side Frame Left	MON.YK.165.200.M0X.L	50 Pieces
195x200 Side Frame Left	MON.YK.195.200.M0X.L	
195x230 Side Frame Left	MON.YK.195.230.M0X.L	



■ Side Frame Right



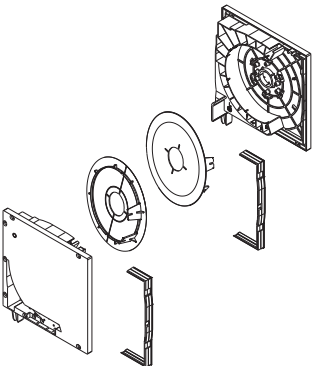
Specs		
Product Description	Product Code	Product Code
165x200 Side Frame Right Set	MON.YK.165.200.M0X.R	50 Pieces
195x200 Side Frame Right Set	MON.YK.195.200.M0X.R	
195x230 Side Frame Right Set	MON.YK.195.230.M0X.R	



* See Page 44 for Accessory Color Option Table.

Aluminum End Slats and Accessories

■ Side Frame Set



Specs			
165x200 MON.ST.165.200.M0X	195x200 MON.ST.195.200.M0X	195x230 MON.ST.195.230.M0X	Package Contents
MON.YK.165.200.M0X.L	MON.YK.195.200.M0X.L	MON.YK.195.230.M0X..L	20 Set
MON.YK.165.200.M0X.R	MON.YK.195.200.M0X.R	MON.YK.195.230.M0X.R	
MON.IGP.165.200.M00	MON.IGP.195.200.M00	MON.IGP.195.200.M00	
MON.IGP.165.200.M00	MON.IGP.195.200.M00	MON.IGP.195.200.M00	
MON.HOS.165.M00	MON.HOS.195.M00.L	MON.HOS.195.M00.U.L	
MON.HOS.165.M00	MON.HOS.195.M00.R	MON.HOS.195.M00.U.R	

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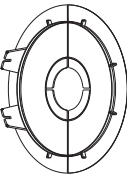
2

3

6

8

■ Safety Plate Black



Specs	
Product Code	Package Contents
MON.IGP.165.M00	100 Pieces
MON.IGP.195.M00	

00

■ Side Cover Gasket Right - Left Set



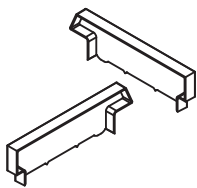
Specs	
Product Code	Package Contents
MON.HOS.165.M00	20 Pieces
MON.HOS.195.M00	
MON.HOS.195.M00.U	

00

* See Page 44 for Accessory Color Option Table.

Aluminum End Slats and Accessories

■ Side Frame Cap Right-Left Set



Specs	
Product Code	Package Contents
MON.KT.195.000.M0X	50 Pieces

00	1	2	3	6	8

■ Side Frame Screw Cap



Specs	
Product Code	Package Contents
MON.VT.195.000.M0X	200 Pieces

00	1	2	3	6	8

■ Motor Adapter

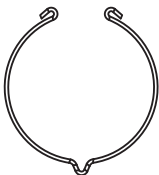


Specs	
Product Code	Package Contents
MON.MA.195.000	50 Pieces

It is suitable for use with motor with a maximum of 20 Nm.

00

■ Motor Adapter Fixing Ring



Specs	
Product Code	Package Contents
MON.SG.195.000	50 Pieces

* See Page 44 for Accessory Color Option Table.

Aluminum End Slats and Accessories

■ Strap Guide

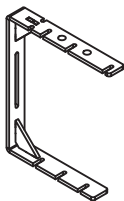


Specs	
Product Code	Package Contents
MON.STG.M0X.000	100 Pieces

1

2

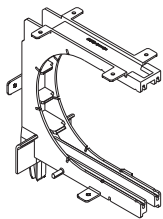
■ Steel Support Part



Specs	
Product Code	Package Contents
MON.RLT.MID.000	10 Pieces

1

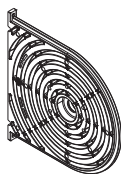
■ Section Part for 195 mm Boxes



Specs	
Product Code	Package Contents
MON.MID.195.000	100 Pieces

1

■ Seperate Working Plate



Specs	
Product Code	Package Contents
MON.IG.195.000	20 Pieces

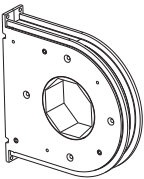
It is suitable for use in bottom-opening type installations with up to 2

1

* See Page 44 for Accessory Color Option Table.

Aluminum End Slats and Accessories

■ Co-Working Adapter for Octagonal Tubes

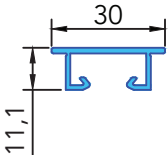


Specs	
Product Code	Package Contents
MON.ROL.195.040	20 Pieces
MON.ROL.195.060	

It is not suitable for use in bottom-opening type installations.

1

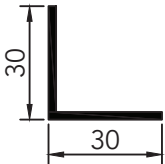
■ Universal Frame-Box Connection Profile



Specs	
Product Code	Package Contents
A019350.ELO.MB	104 m Package

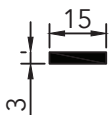
Used with stubby head screw coded MON.RCS.000.015

■ 30x30x2 mm Galvanized Steel Profile



Specs	
Product Code	Package Contents
MON.DS.030.030	60 m Package

■ 15x3 mm Galvanized Steel Flat Bar

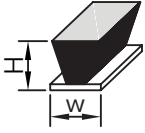


Specs	
Product Code	Package Contents
MON.DS.015.003	60 m Package

* See Page 44 for Accessory Color Option Table.

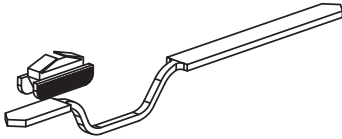
Aluminum End Slats and Accessories

■ Insert Brush



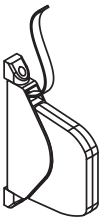
Specs			
Product Code	Package Contents	Width W	Height H
SIN.O.BR.048.060	2000 m Package	48 (mm)	600 (mm)
SIN.O.BR.048.080	1200 m Package	48 (mm)	800 (mm)
SIN.O.BR.048.100M	1200 m Package	48 (mm)	1000 (mm)

■ Sliding Lock for End Slats



Specs	
Product Code	Package Contents
LBD.L.ME.000.SLI	20 Pieces

■ Strap Box



Specs		
Product Code	Ölçü	Package Contents
STB.O.Z00.M01.150	L 5,6 mm	50 Pieces
STB.O.Z00.M14.150	L 5,6 mm	
STB.O.Z00.M01.196	L 6,5 mm	

M01 M1L1



* See Page 44 for Accessory Color Option Table.

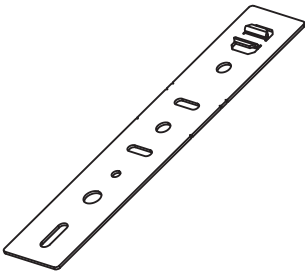
Aluminum End Slats and Accessories

■ Monoblock Box Joint Gasket



Specs	
Product Code	Package Contents
HOS.0.00.000.MKBCY	500 m Package

■ Monoblock Anchor Plate



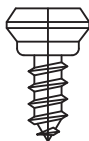
Specs	
Product Code	Package Contents
MON.PLT.ANK.000	50 Pieces

■ Box Connection Plate



Specs	
Product Code	Package Contents
MON.PLT.000.017	200 Pieces

■ Round Cap Screw



Specs	
Product Code	Package Contents
MON.RCS.000.000	1000 Piece
MON.RCS.000.015	

Aluminum End Slats and Accessories

■ Isolation Foam 1,3 meters



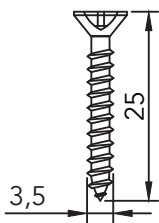
Specs		
Product Code	Product Information	Package Contents
MON.FOA.202.165	For the 2024 Box	24 Pieces
MON.FOA.202.195	For 2021 and 2023 Boxes	
MON.FOA.MA.195	For Box 3021	
MON.FOA.SIN.230	For Box 2022	

■ Side Frame Isolation 28 mm



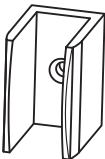
Specs	
Product Code	Package Contents
MON.FOA.YKI.28MM	100 Pieces
MON.FOA.165.28MM	

■ 3.5x25 YHB Coarse Thread Screw (For side frame connection)



Specs	
Product Code	Package Contents
FIX.R.35.YHB.025	1000 Pieces

■ Handle Grip (Plastic)



Specs	
Product Code	Package Contents
HHJ.P.43.M0X.020*	500 Pieces

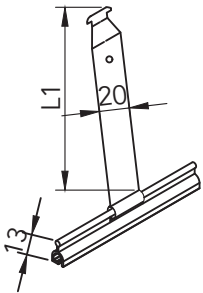
* Compatible with Ø12 reducer arm



* See Page 44 for Accessory Color Option Table.

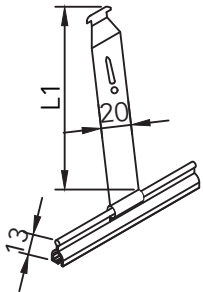
Aluminum End Slats and Accessories

■ Steel Spring without Slot



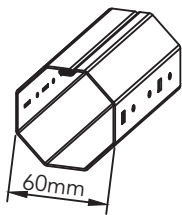
Specs		
Product Code	Measurement	Package Contents
SEC.S.ZST.009.130*	L1 Length 130 mm	250 Pieces
SEC.S.ZST.009.190*	L1 Length 190 mm	

■ Steel Spring with Slot



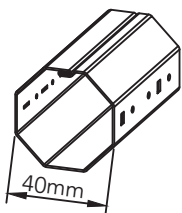
Specs		
Product Code	Measurement	Package Contents
SEC.Y.ZST.009.130*	L1 Length 130 mm	250 Pieces
SEC.Y.ZST.009.190*	L1 Length 190 mm	

■ Galvanized Octagonal Tube



Specs		
Product Code	Diameter / Measurement	Package Contents
TUB.8.60.000.060	60 mm / 0,60 mm	6 Pieces
TUB.8.80.000.060	60 mm / 0,80 mm	

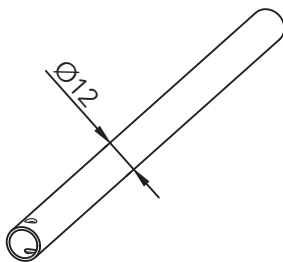
■ Galvanized Octagonal Tube



Specs		
Product Code	Diameter / Measurement	Package Contents
TUB.8.50.000.040	40 mm / 0,50 mm	12 Pieces
TUB.8.60.000.040	40 mm / 0,60 mm	

Aluminum End Slats and Accessories

■ Tube for Hand Crank



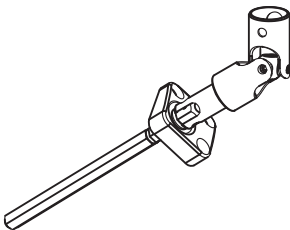
Specs		
Product Code	Measurement	Package Contents
HHJ.R.RB.XXX.120	L1 Length 1200 mm	50 Pieces
HHJ.R.RB.XXX.160	L1 Length 1600 mm	
HHJ.R.RB.XXX.180	L1 Length 1800 mm	
HHJ.R.RB.XXX.250	L1 Length 2500 mm	

Used with HHJ.R.MK.320 and HHJ.R.KK.320.

W16 M14



■ Joint, Square Plastic Plate, Hexagonal Shaft 7 mm

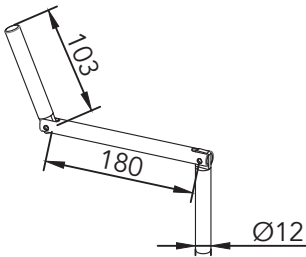


Specs		
Product Code	Measurement	Package Contents
HHJ.R.RK.MOX.355	Length 355 mm	100 Pieces

1



■ Hand Crank



Specs	
Product Code	Package Contents
HHJ.R.RK.XXX.F32	50 Pieces

* Used with HHJ.R.RB.....

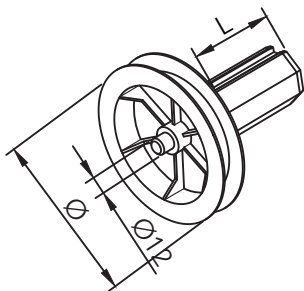
W16 M14



* See Page 26 for Aluminum Extrusion Color Chart.
* See Page 44 for Accessory Color Option Table.

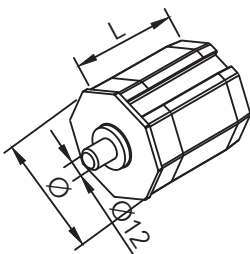
Aluminum End Slats and Accessories

■ 12 mm Pin Pulley for 40 mm Tube



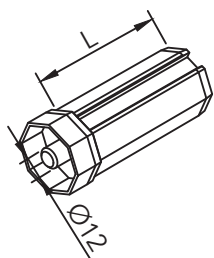
Specs		
Product Code	Diameter / Measurement	Package Contents
PUL.P.40.000.140	L: 95 mm / Ø: 140 mm	100 Pieces

■ Plastic Tube Cap 12 mm Pin



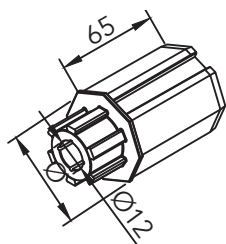
Specs		
Product Code	Diameter / Measurement	Package Contents
CAP.P.PI.047.040	L: 75 mm / Ø: 40 mm	100 Pieces
CAP.P.PI.057.060	L: 70 mm / Ø: 40 mm	

■ 40 mm Plastic Pin Inside Tube Cap 12 mm Pin



Specs		
Product Code	Diameter / Measurement	Package Contents
CAP.P.CL.102.040	103 mm / Ø: 40 mm	100 Pieces

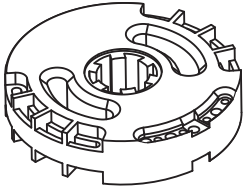
■ Plastic Tube Cap for Gear 12 mm Hole Diameter Suitable for 40 mm Tube



Specs		
Product Code	Diameter / Measurement	Package Contents
CAP.P.SQ.065.040	65 mm / Ø: 40 mm	100 Pieces

Aluminum End Slats and Accessories

■ Gear 360° Rotation

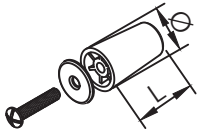


Specs				
Product Code	Clutch	Max. Capacity	Reducer Ratio	Package Contents
GEAR.R.Z13.P82.HX7*	Unlimited	13 kg	1/5.25	100 Piece/ Package
GEAR.R.Z13.P83.HX7**	Limited	13 kg	1/5.25	
GEAR.R.Z13.P84.HX7**	Limited	28 kg	1/7	

** Must be used with a safety sling.

* Must be used with a steel sling.

■ Stopper



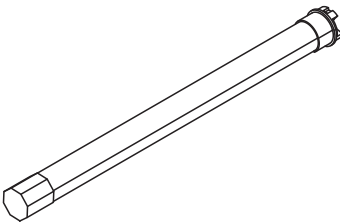
Specs		
Product Code	Diameter / Measurement	Package Contents
SSW.S.00.M0X.040	L: 40 mm / Ø: 25 mm	200 Pieces

1

2



■ Motor



See;

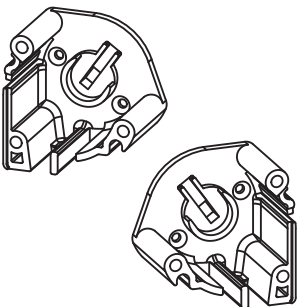
Scan the QR code for ASAŞ Tubular Motors, Accessories, and Control Systems.



* See Page 44 for Accessory Color Option Table.

Aluminum End Slats and Accessories

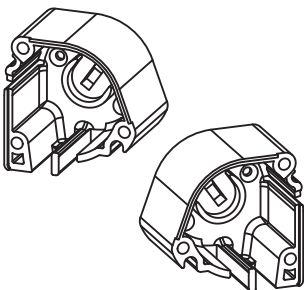
Fly Screen Side Cover Set (Right - Left) Open



Specs	
Product Code	Package Contents
SNK.YKP.A.M0X.000	100 Pairs

001

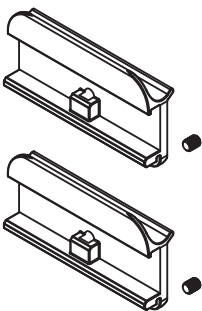
Fly Screen Side Cover Set (Right - Left) Closed



Specs	
Product Code	Package Contents
SNK.YKP.K.M0X.000	100 Pairs

001

Handle Set for Fly Screen

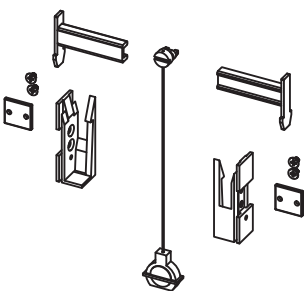


Specs	
Product Code	Package Contents
SNK.ETU.M0X.000	25 Set

* It is recommended to use with M4x5 setscrew.

001

Accessory Set



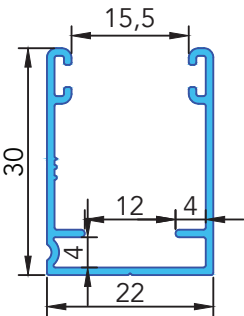
Specs	
Product Code	Package Contents
SNK.Y.A.10.M0X.302	1 Set

001

* See Page 44 for Accessory Color Option Table.

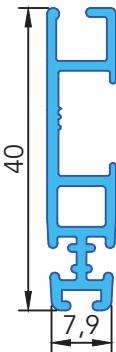
Aluminum End Slats and Accessories

■ Aluminum Guide Rail Profile for Fly Screen



Specs	
Product Code	Package Contents
GUC.L.MN.000.MIN	6 Pieces (39 m)

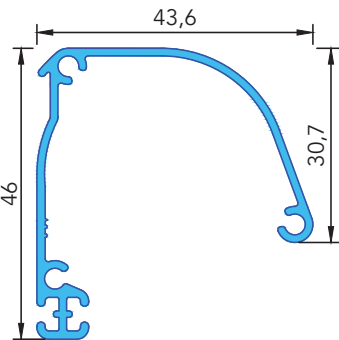
■ Fly Screen System End Slat Profile



Specs	
Product Code	Package Contents
EAS.S.NN.W16.MIN	5 Pieces (32,5 m)

*Must be used with 48*800

■ Aluminum Protection Cover for Fly Screen Net

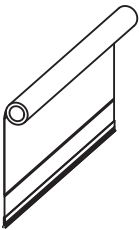


Specs		
Product Code	Diameter / Measurement	Package Contents
SNK.P.MN.000.COV	103 mm / Ø: 40 mm	10 Pieces (65 m)

* See Page 26 for Aluminum Extrusion Color Chart.

Aluminum End Slats and Accessories

Fly Screen Net (Including Tube)



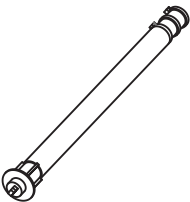
Specs		
Product Code	Measurement	Package Contents
SNK.T.11.007.041	170	6 m Package (1Piece)
SNK.T.12.004.041	240	

Brake System



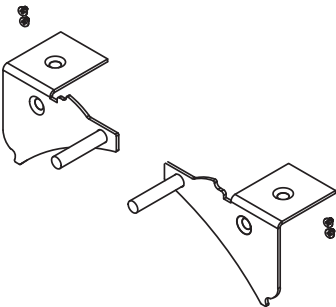
Specs	
Product Code	Package Contents
SNK.F.12.617.000	1 Piece

Spring Set



Specs	
Product Code	Package Contents
SNK.Y.10.302.300	1 Piece

Fly Screen Repair Kit



Specs	
Product Code	Package
SNK.YSA.000.M01	1 Piece

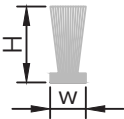
Aluminum End Slats and Accessories

■ 45° Fly Screen Cross Insert Brush



Specs	
Product Code	Package Contents
SIN.O.BR.048.110	2000 m Package

■ Filament Insert Brush



Specs	
Product Code	Package
SIN.O.BR.048.100M	1200 m Package

*Must be used with 48*800 insert brush

Accessory Color Option Table

....X	00: Black 1: White 2: Brown	3: Anthracite Gray 6: Light Bronze 8: Caramel				
	00	1	2	3	6	8
						

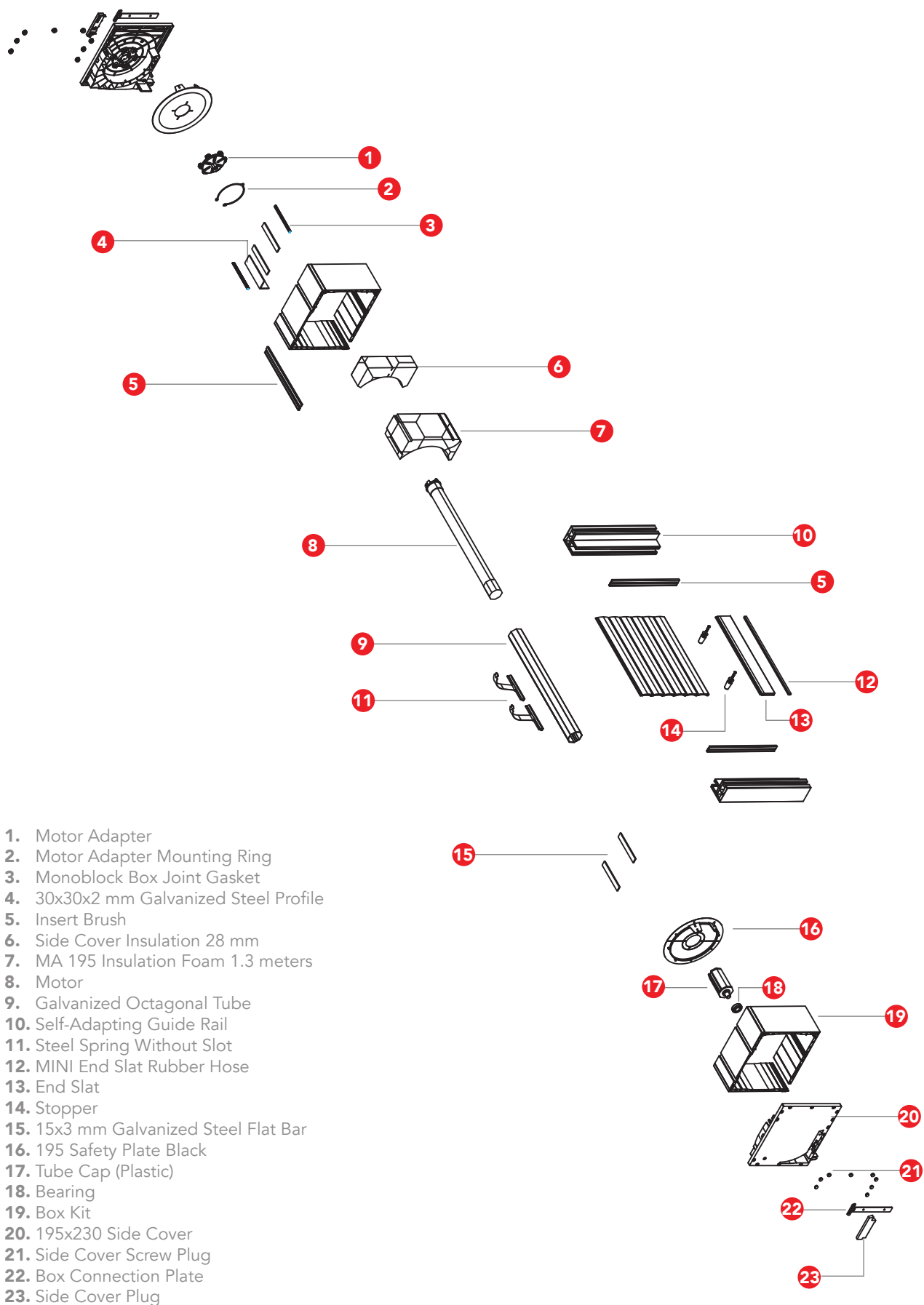
Technical



Technical

Detailed Exploded Views

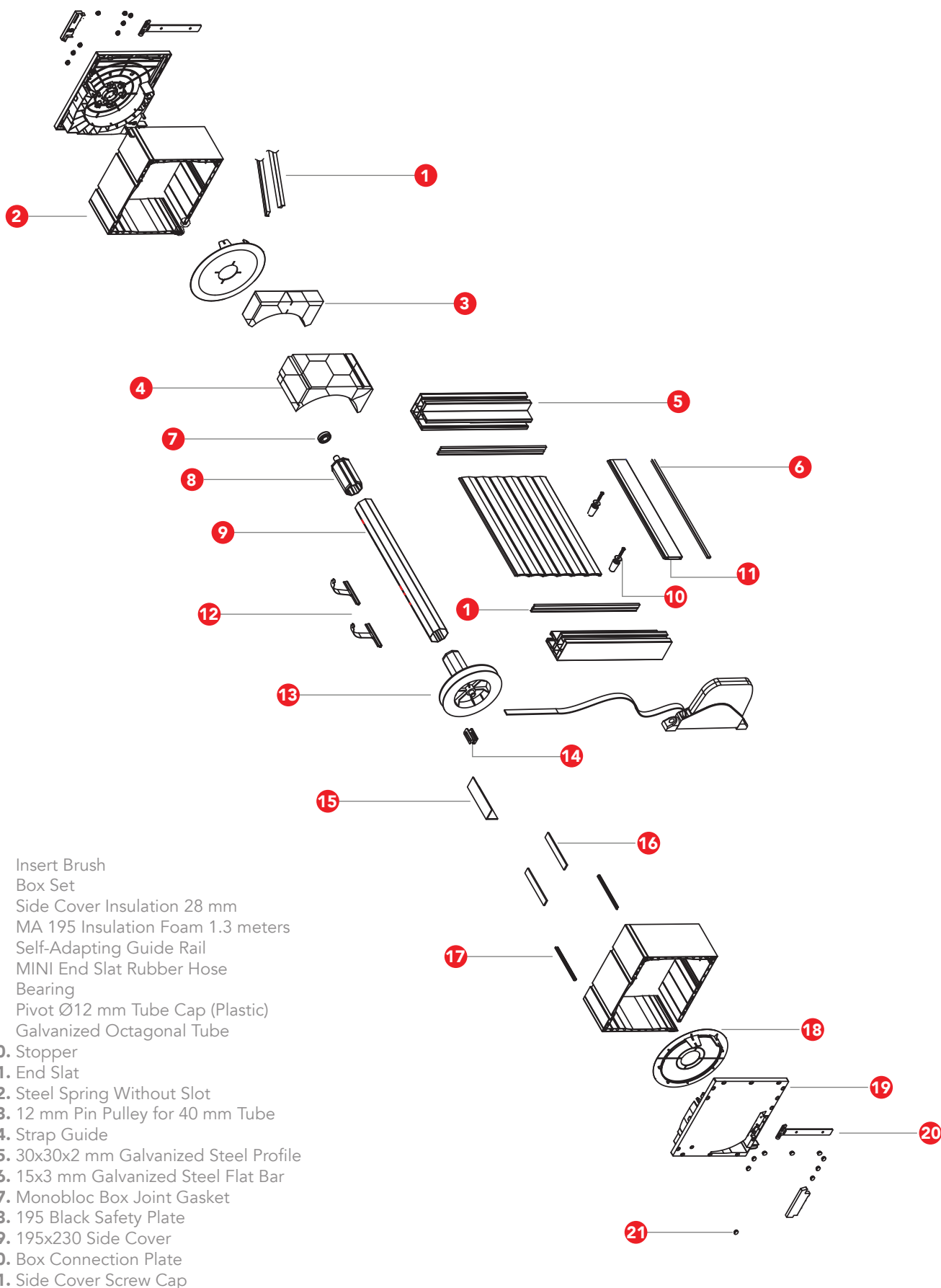
■ Motorized Monoblock System



Technical

Detailed Exploded Views

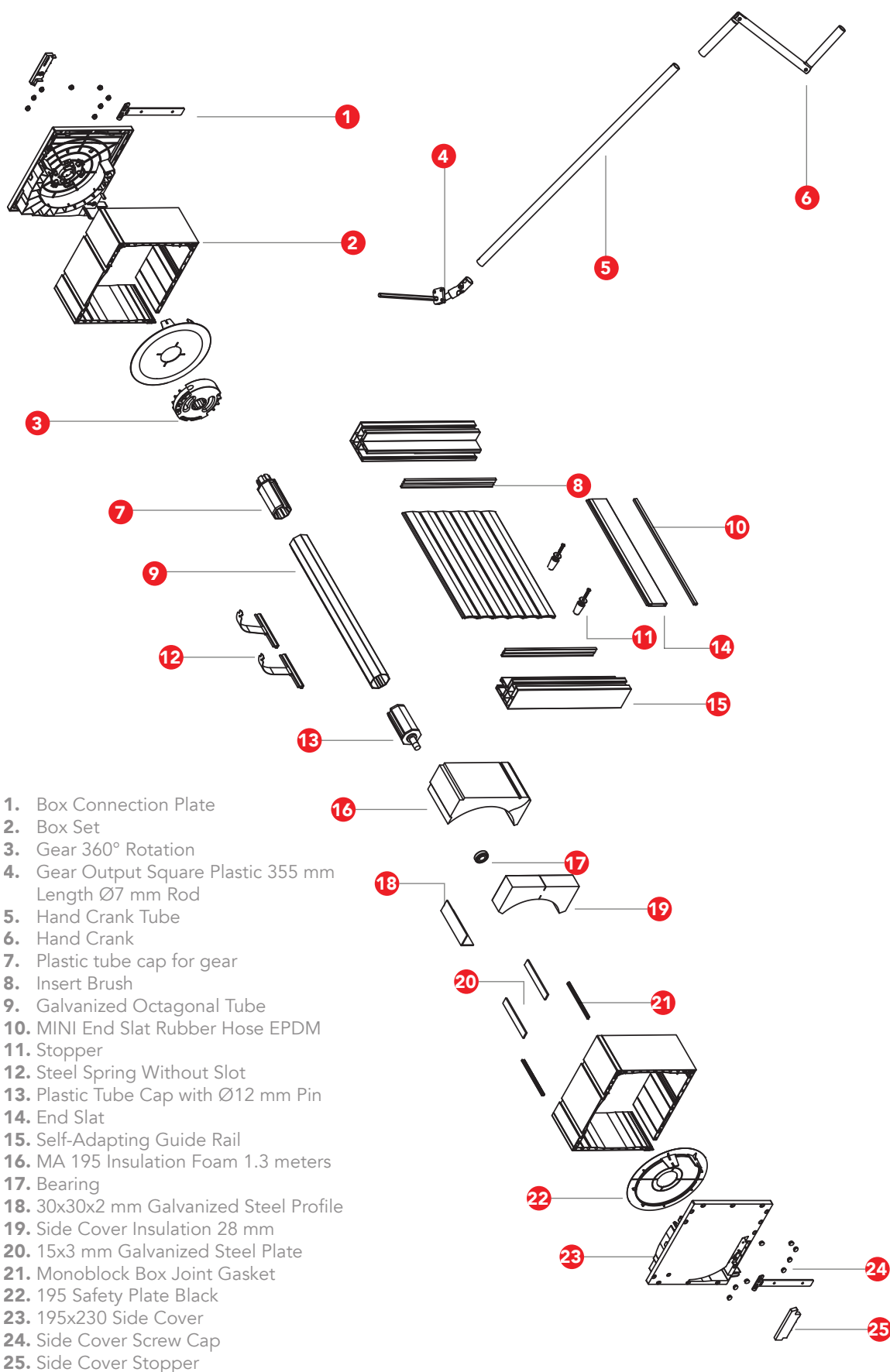
■ Monoblock System with Strap



Technical

Detailed Exploded Views

■ Monoblock System with Reducer

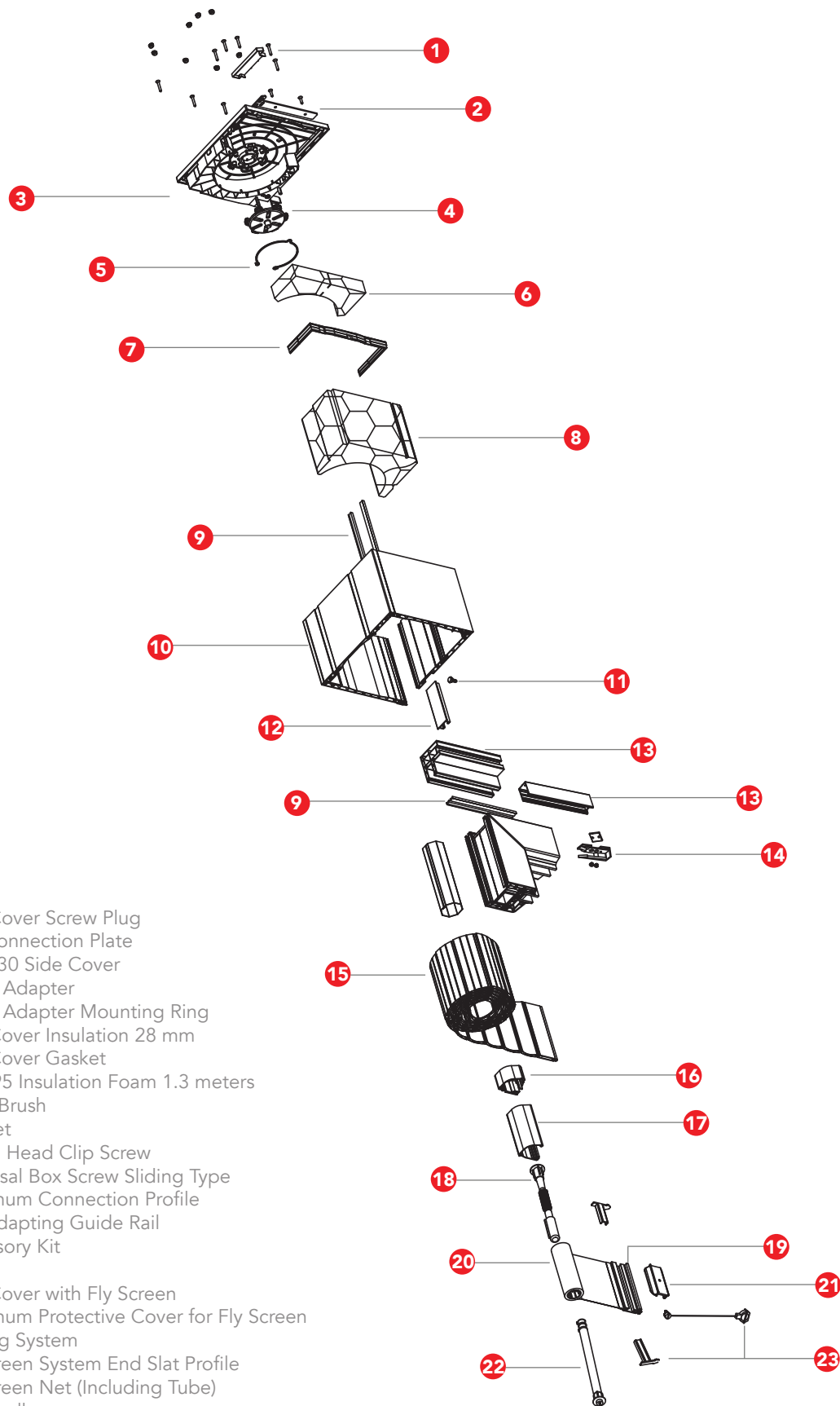


1. Box Connection Plate
2. Box Set
3. Gear 360° Rotation
4. Gear Output Square Plastic 355 mm
Length Ø7 mm Rod
5. Hand Crank Tube
6. Hand Crank
7. Plastic tube cap for gear
8. Insert Brush
9. Galvanized Octagonal Tube
10. MINI End Slat Rubber Hose EPDM
11. Stopper
12. Steel Spring Without Slot
13. Plastic Tube Cap with Ø12 mm Pin
14. End Slat
15. Self-Adapting Guide Rail
16. MA 195 Insulation Foam 1.3 meters
17. Bearing
18. 30x30x2 mm Galvanized Steel Profile
19. Side Cover Insulation 28 mm
20. 15x3 mm Galvanized Steel Plate
21. Monoblock Box Joint Gasket
22. 195 Safety Plate Black
23. 195x230 Side Cover
24. Side Cover Screw Cap
25. Side Cover Stopper

Technical

Detailed Exploded Views

■ tt

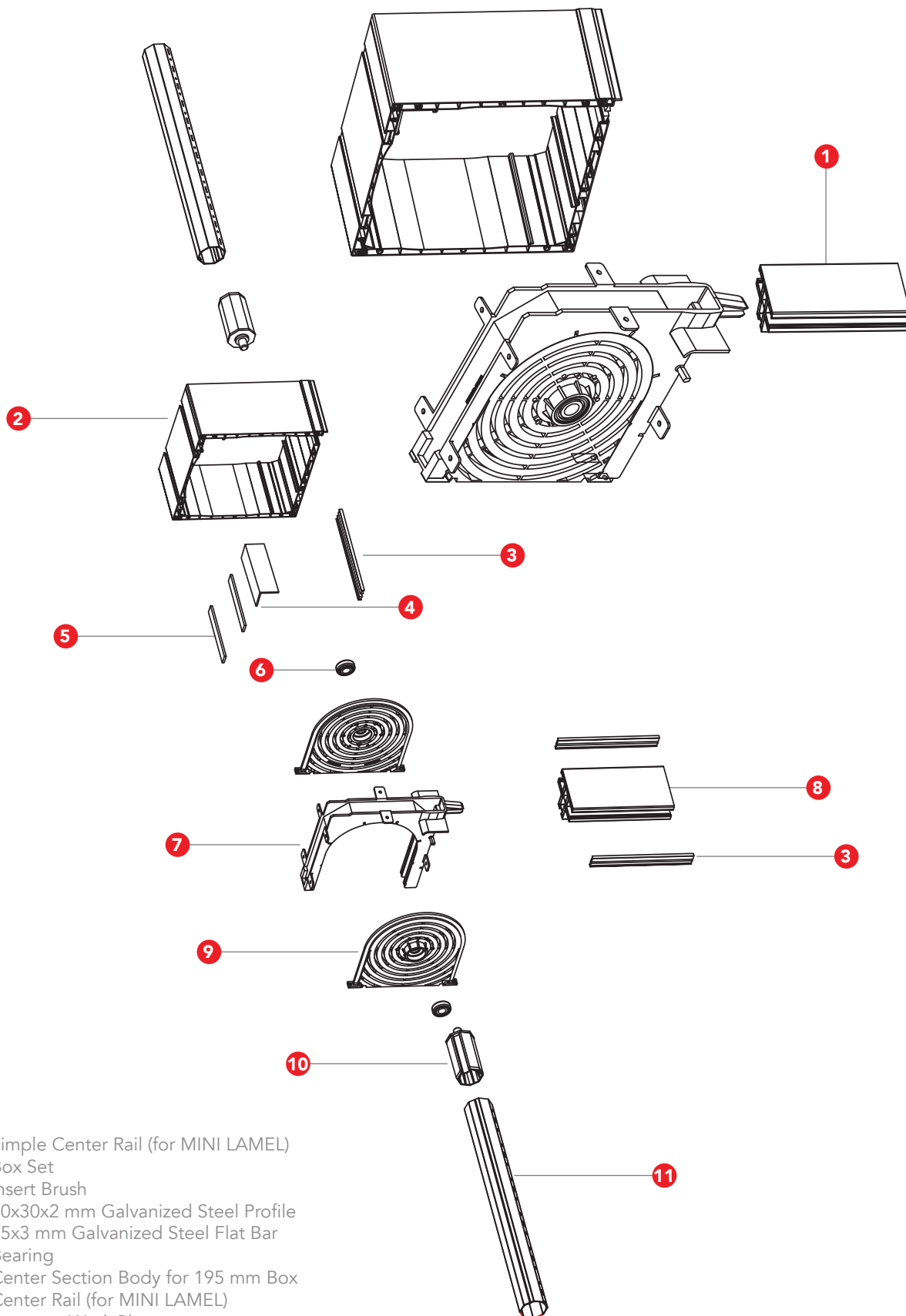


1. Side Cover Screw Plug
2. Box Connection Plate
3. 195x230 Side Cover
4. Motor Adapter
5. Motor Adapter Mounting Ring
6. Side Cover Insulation 28 mm
7. Side Cover Gasket
8. MA 195 Insulation Foam 1.3 meters
9. Insert Brush
10. Box Set
11. Round Head Clip Screw
12. Universal Box Screw Sliding Type
Aluminum Connection Profile
13. Self-Adapting Guide Rail
14. Accessory Kit
15. Slats
16. Side Cover with Fly Screen
17. Aluminum Protective Cover for Fly Screen
18. Braking System
19. Fly Screen System End Slat Profile
20. Fly Screen Net (Including Tube)
21. Fly Handle
22. Spring Kit
23. Accessory Kit

Technical

Detailed Exploded Views

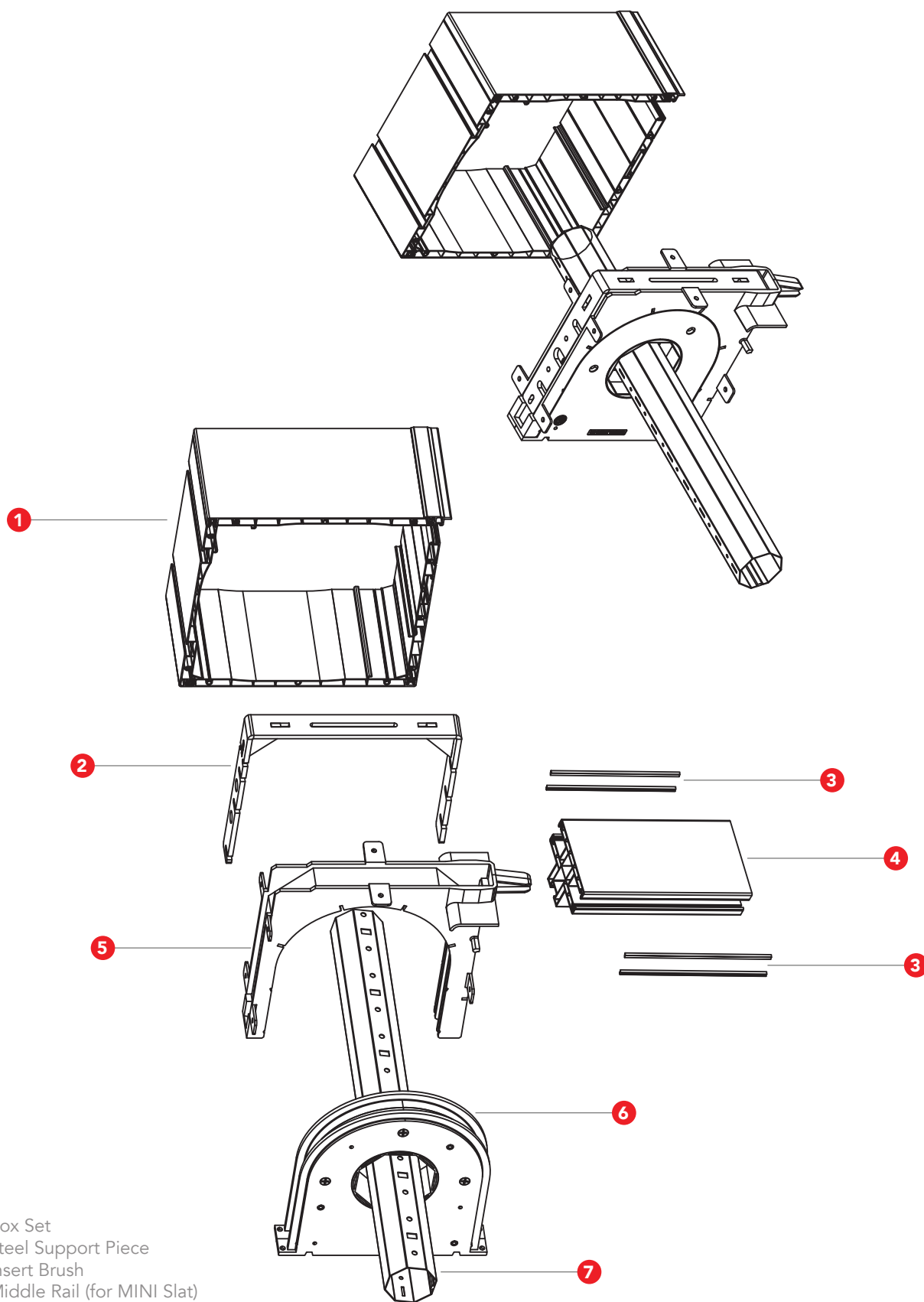
■ Monoblock Separately Operating Middle Partition System



Technical

Detailed Exploded Views

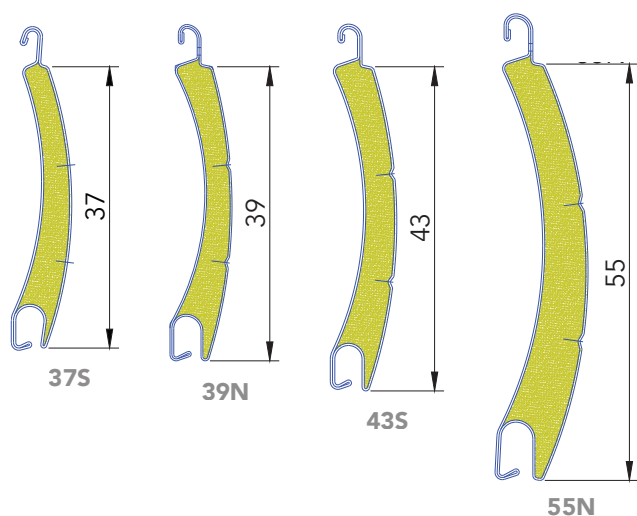
■ Monoblock Co-working Middle Partition System



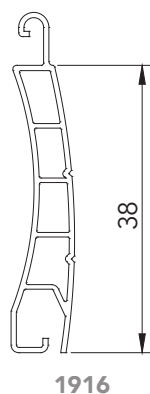
1. Box Set
2. Steel Support Piece
3. Insert Brush
4. Middle Rail (for MINI Slat)
5. Middle Section Part for 195 mm Box
6. Octagonal Tube Interlocking Plate
7. Galvanized Octagonal Tube

Technical Slats

■ Aluminum Polyurethane Filled Slats



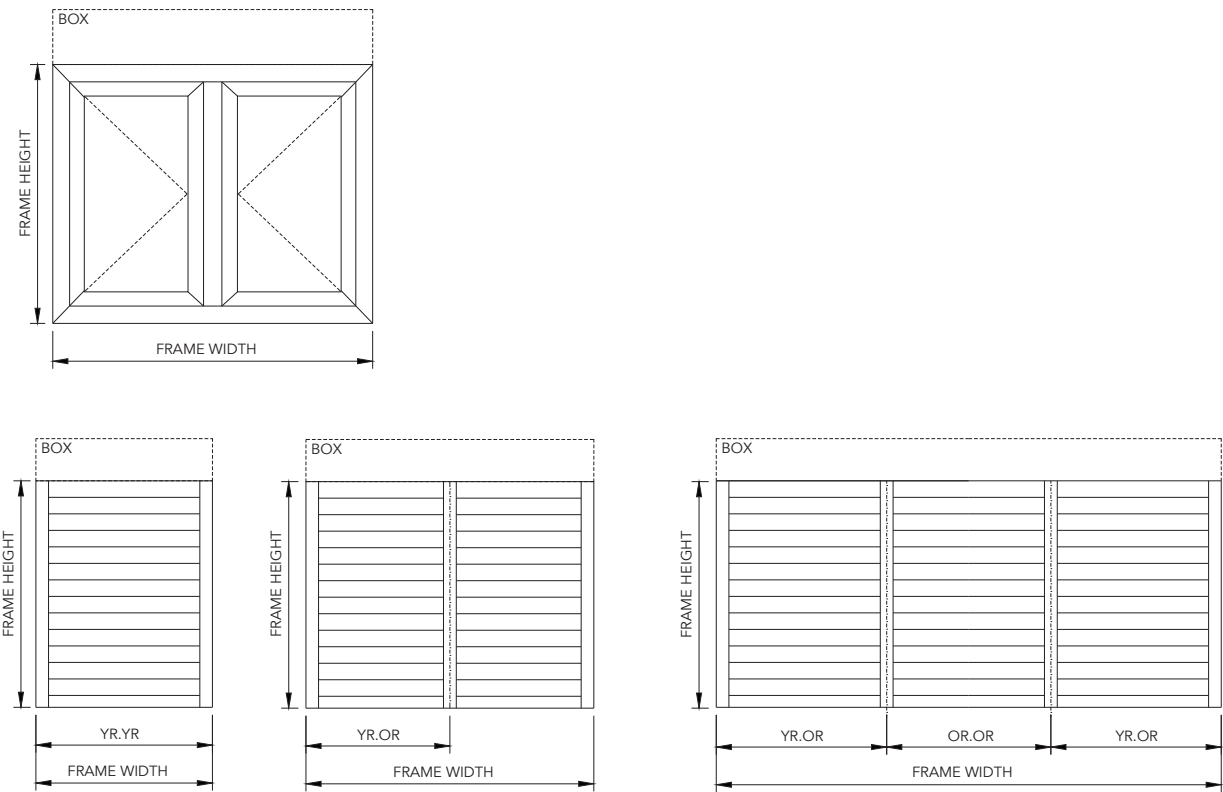
■ PVC Slats (38 mm)



Slats Usage Content				
Slat Code	Recommend- ed Maximum Width (mm)	Recommend- ed maximum height (mm)	Recommended Maximum Usage Area (m ²)	Maximum Usage Height Inside the Box (mm)
37S	2500	2500	5	3300
39NP	2600	2600	5,5	3000
39N	2100	2300	3,8	3000
43S	3000	2700	6	2800
55NP	3000	2700	6,5	2350
55N	2700	x2500	5,5	2350

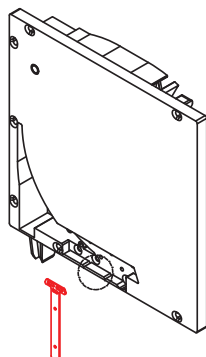
*The recommended maximum usage values are Class 2 wind pressure resistance according to the EN 13659-2015 standard. Depending on the shutter's location, installation height, guide rail depth, etc., and the wind load it may be exposed to, different slats or smaller sizes may need to be selected.

■ Monoblock Systems Cutting Dimensions

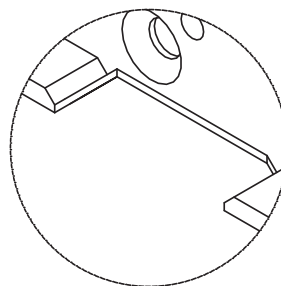
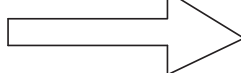
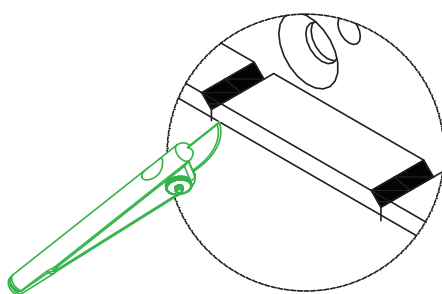


Product Cutting Size	
Product	Cutting Width
Box	KG-20 mm
Rail Profiles / Insert Brush	KY
Slat/Lower Part - Lower Part Gasket	YR.YR-86 mm
	YR.OR-66 mm
	OR.OR-48 mm
Tubes (according to the interworking plate)	YR.YR-86 mm
	YR.OR-66 mm
	OR.OR-48 mm

■ Frame-Box Connection Plate Installation

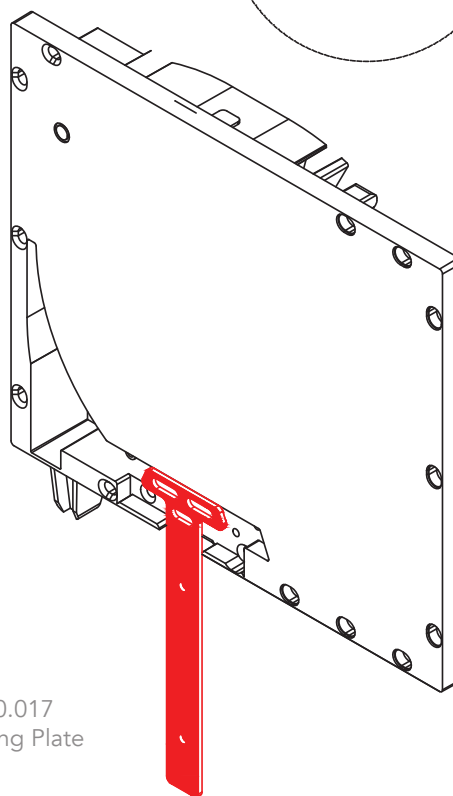


165x200 Side Cover Right Left
195x200 Side Cover Right Left
195x230 Side Cover Right Left



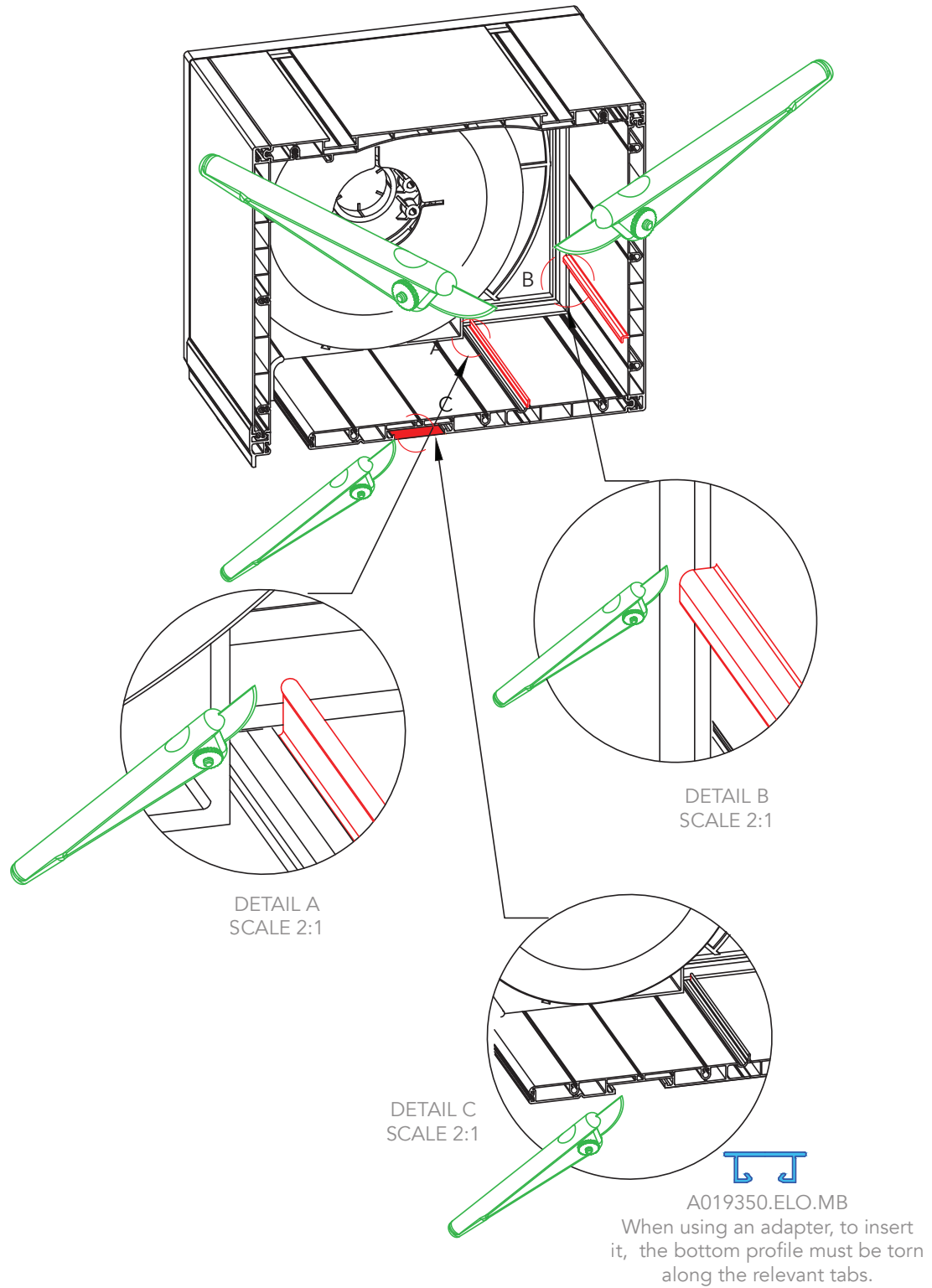
For all three side covers, notching must be done along specific grooves (6 mm) for the connection plate.

The notching location varies depending on the case type.



MON.PLT.00.017
Box Fastening Plate

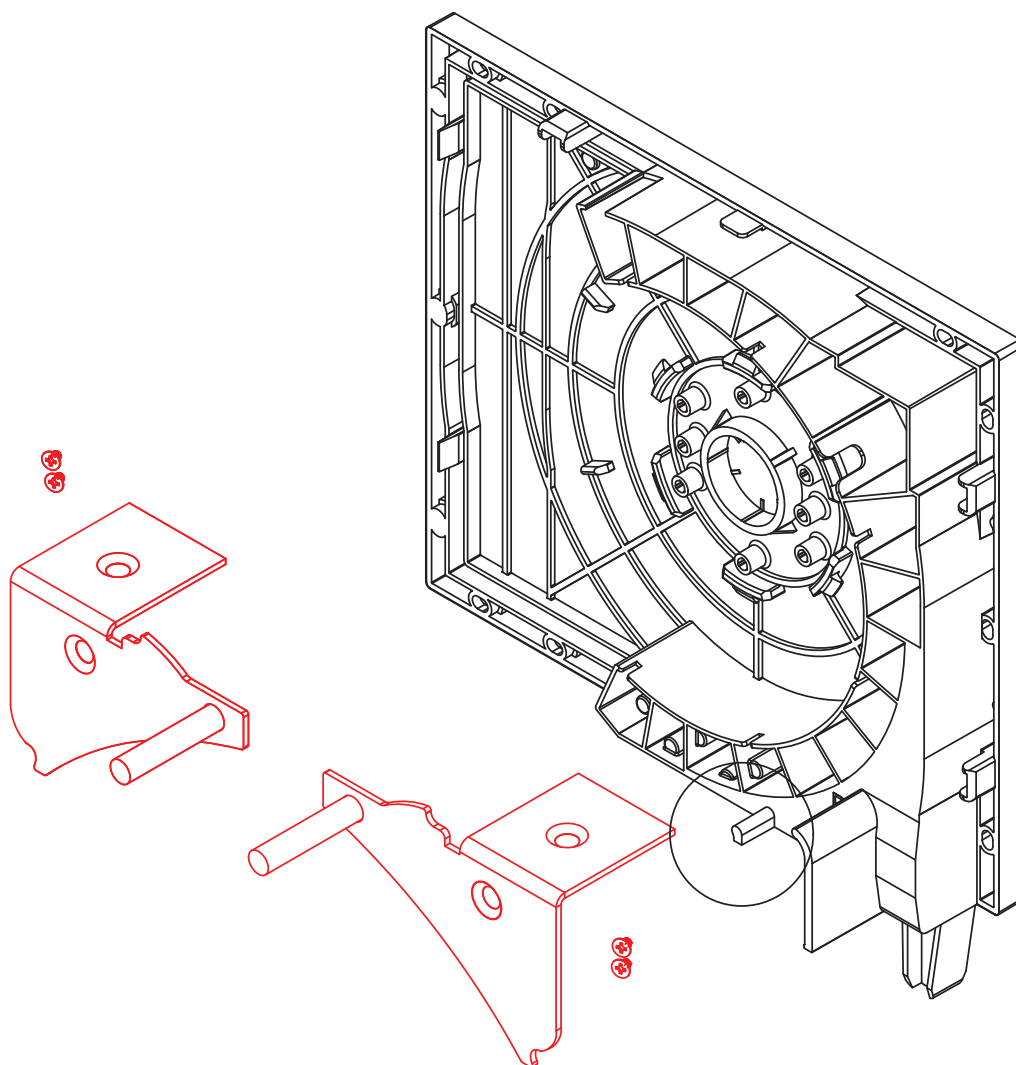
■ Side Cover Gasket and Frame Adapter Installation



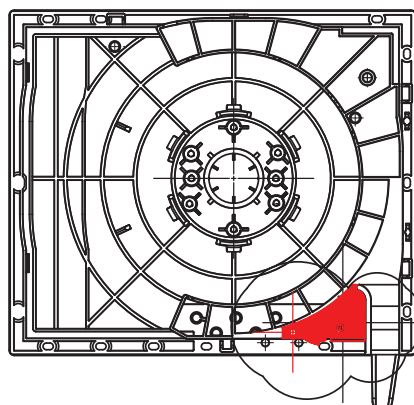
Technical

Monoblock Systems Installation Applications

■ Insect Screen Repair Kit Usage



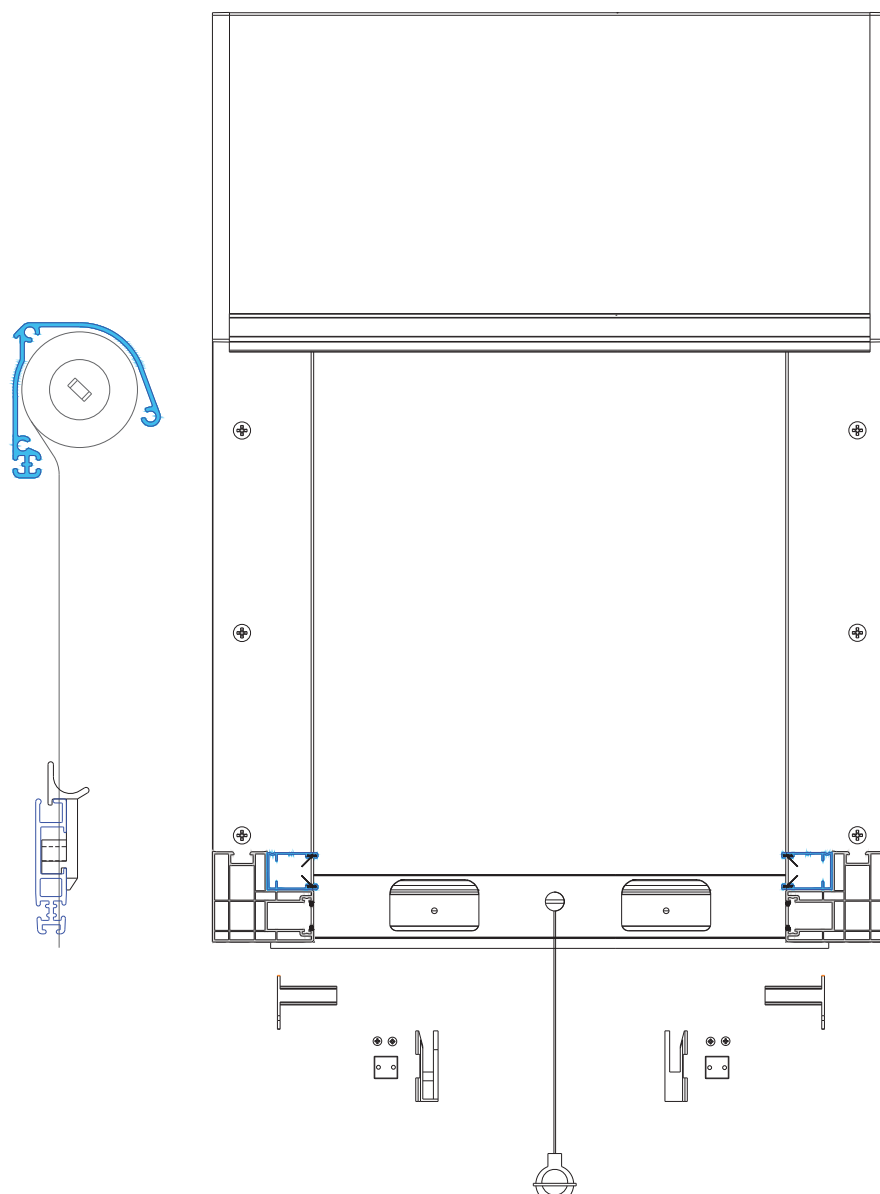
In case the tab on the side cover breaks, spare fly screens are used.



Technical

Monoblock Systems Installation Applications

■ Insect Screen Usage Details



The maximum recommended fly screen height is 2.10 m. For larger sizes, please contact us.

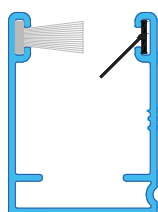


SIN.O.BR.048.100M
Piled Insert Brush 048x100

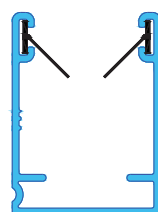


SIN.O.BR.048.110
45° Fly Screen Cross Insert Brush

GUC.L.MN.000MIN



Recommended insert
brush combination for
horizontal widths up to
70 cm

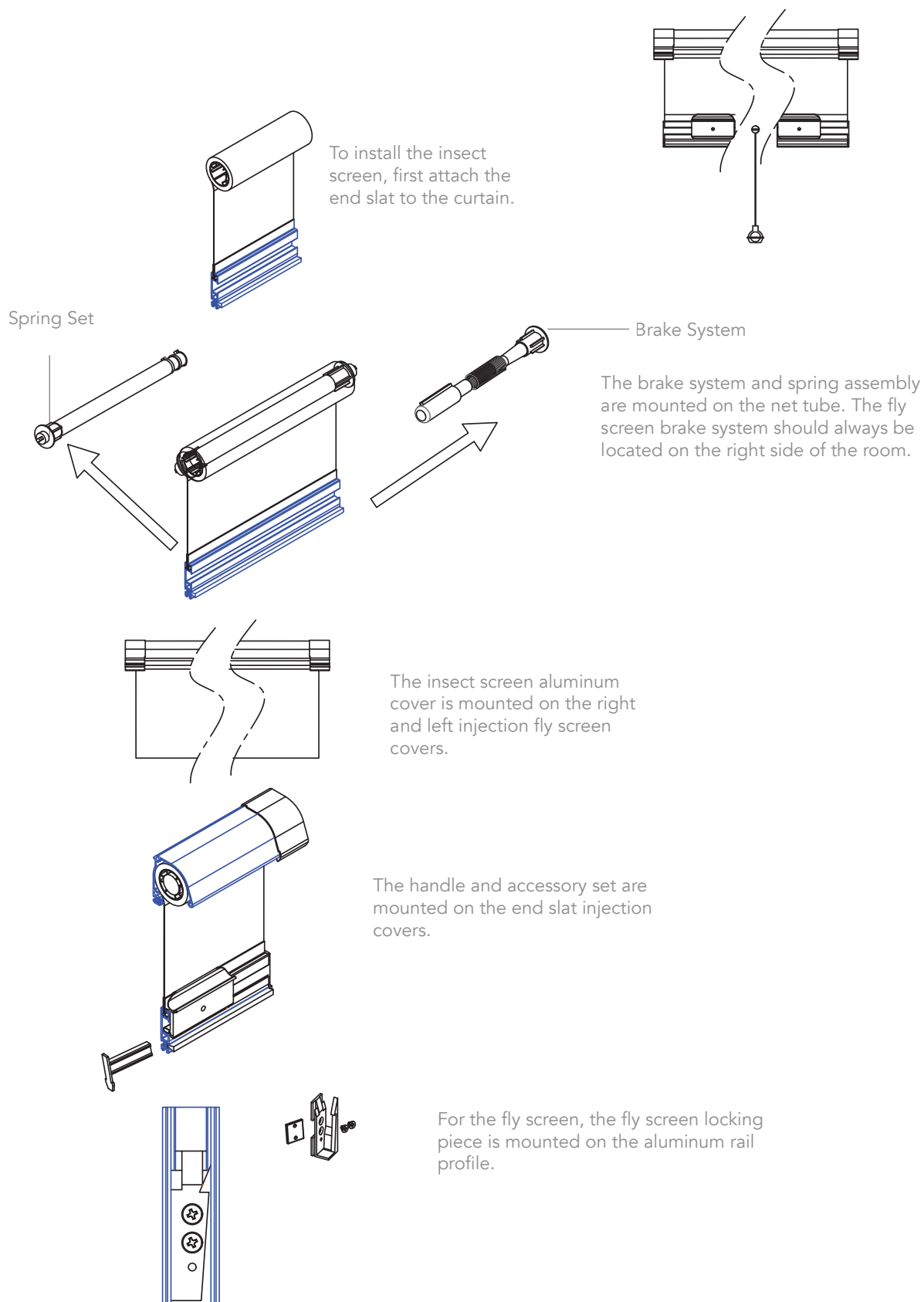


Recommended insert brush
combination for horizontal
widths up to 70-120 cm

Technical

Monoblock Systems Installation Applications

■ Insect Screen Installation Details



■ Insect Screen Spring Winding Numbers

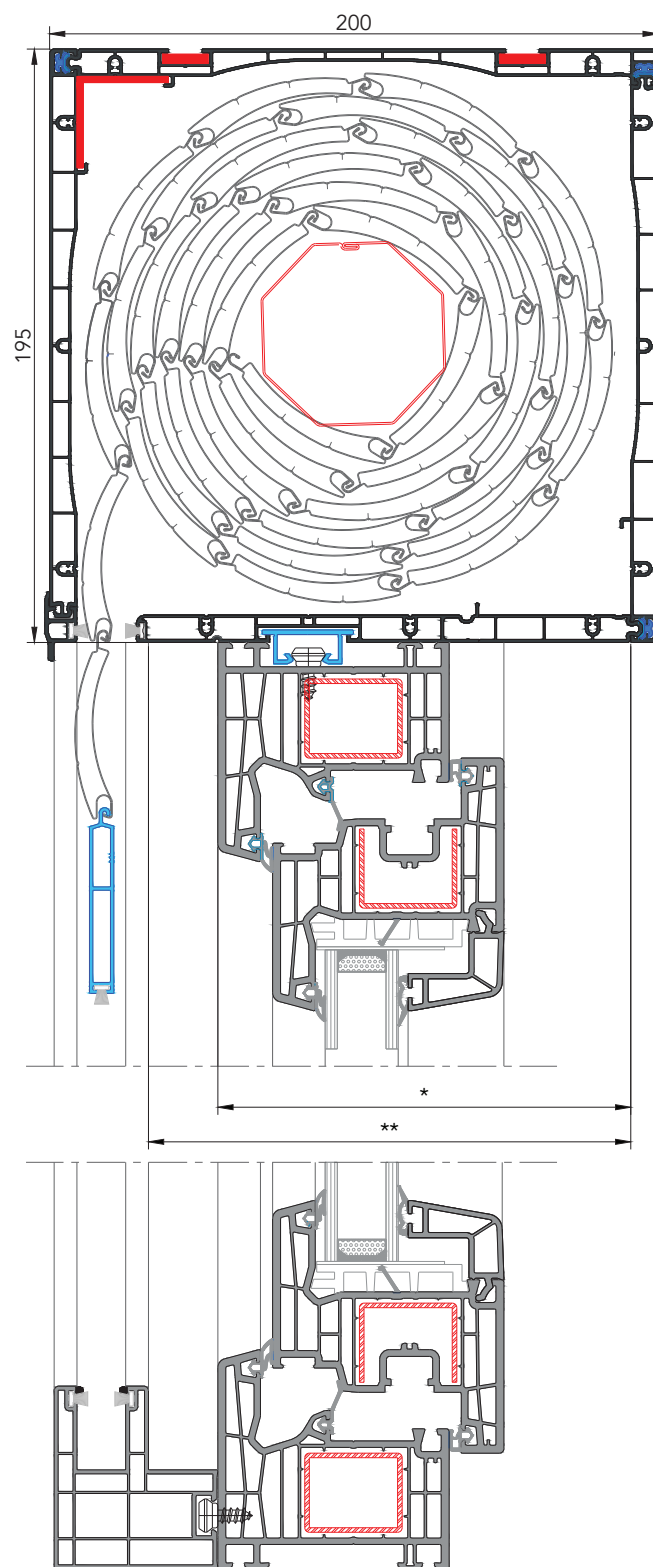
Vertical Spring System		
Insect Screen Spring Winding Numbers	(Without Brakes) Spring Returns	(Without Brakes) Spring Returns
60 x 170	Short Spring 8 Turns	Short Spring ~9 Turns
80 x 170	Short Spring 14 Turns	Long Spring ~16 Turns
100 x 170	Short Spring 18 Turns	Long Spring ~20 Turns
120 x 170	Short Spring 18 Turns	Long Spring ~20 Turns
140 x 170	Short Spring 20 Turns	Long Spring ~22 Turns
160 x 170	Short Spring 22 Turns	Long Spring ~24 Turns
180 x 170	Short Spring 24 Turns	Long Spring ~26 Turns
60 x 245	Short Spring 16 Turns	Return is not Possible
70 x 245	Short Spring 18 Turns	Long Spring ~20 Turns
80 x 245	Short Spring 23 Turns	Long Spring ~25 Turns
100 x 245	Short Spring 23 Turns	Long Spring ~25 Turns
120 x 245	Short Spring 23 Turns	Long Spring ~27 Turns
140 x 245	Short Spring 25 Turns	Long Spring ~28 Turns
160 x 245	Short Spring 25 Turns	Long Spring ~29 Turns
180 x 245	Short Spring 25 Turns	Return is not Possible

* Depending on the installation conditions, the number of turns may vary by $\pm 2\%$.

Technical

Monoblock System Sections / Installation Applications

■ 2020 - 195x200 mm Box



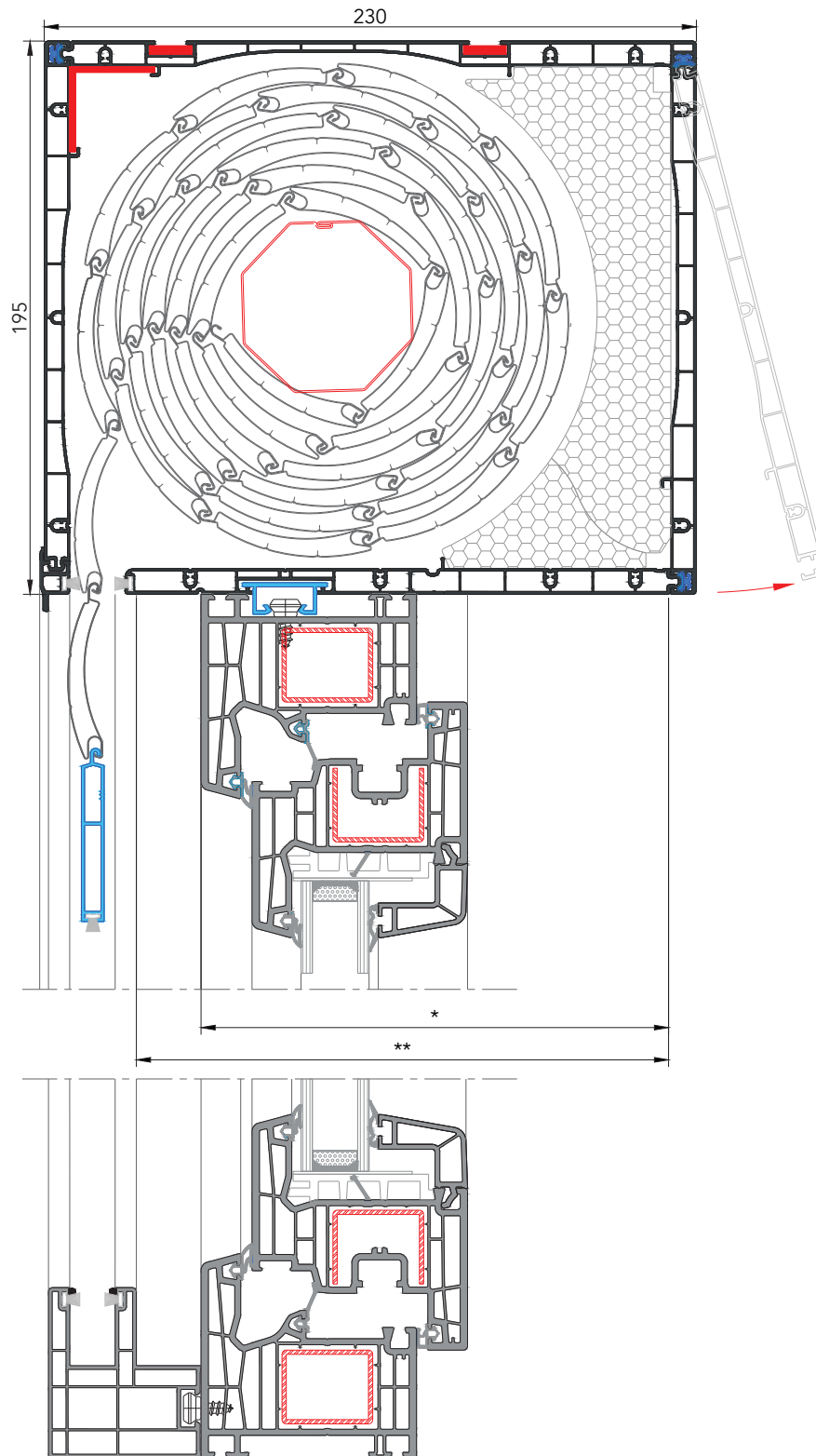
*The maximum frame width that can be used with guide rail Coded 2009, 2009C, and A017255 is 132 mm.

** The maximum frame width that can be used with guide rail Coded 2013, 2013C, A021122 is 155 mm.

Technical

Monoblock System Sections / Installation Applications

■ 2021 - 195x230 mm Box



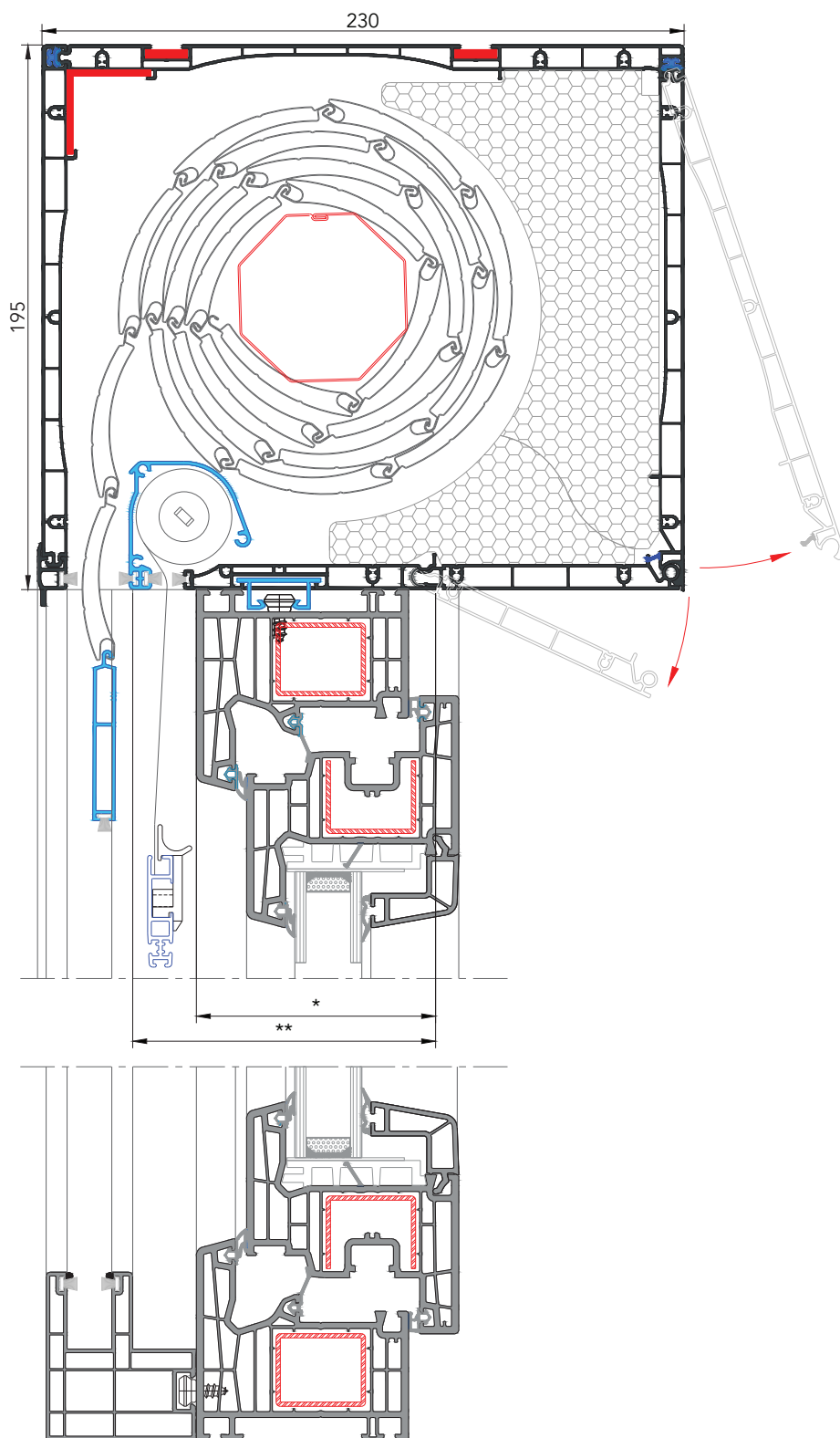
*The maximum frame width that can be used with guide rail coded 2009, 2009C, and A017255 is 162 mm.

**The maximum frame width that can be used with guide rail coded 2013, 2013C, and A021122 is 185 mm.

Technical

Monoblock System Sections / Installation Applications

■ 2022 - 195x230 mm Fly Screen Box



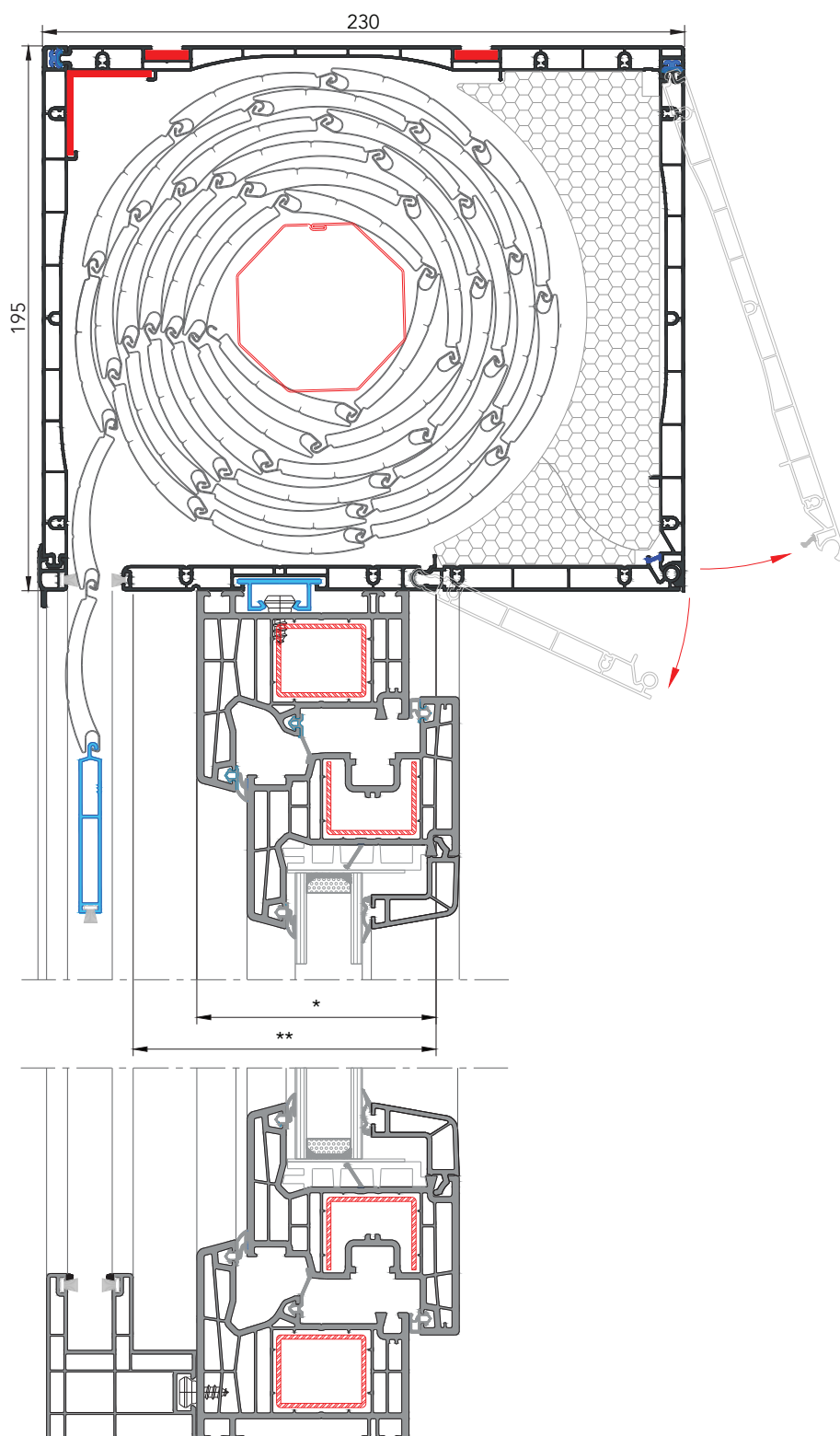
*The maximum frame width that can be used with guide rail coded 2009, 2009C, and A017255 is 83 mm.

**The maximum frame width that can be used with guide rail coded 2013, 2013C, and A021122 is 105 mm.

Technical

Monoblock System Sections / Installation Applications

■ 2023 - 195x230 mm Box



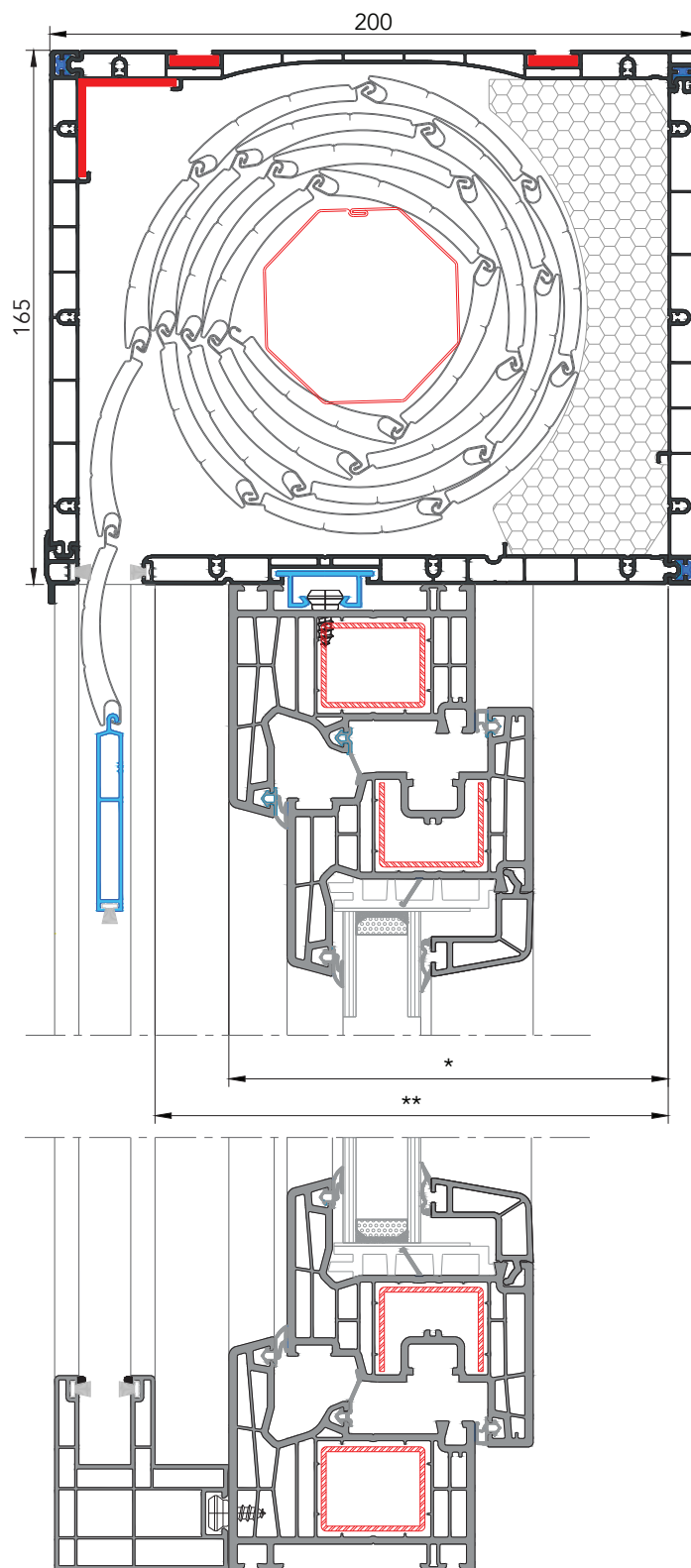
*The maximum frame width that can be used with guide rail coded 2009, 2009C, and A017255 is 83 mm.

**The maximum frame width that can be used with guide rail coded 2013, 2013C, and A021122 is 105 mm.

Technical

Monoblock System Sections / Installation Applications

■ 2024 - 165x200 mm Box



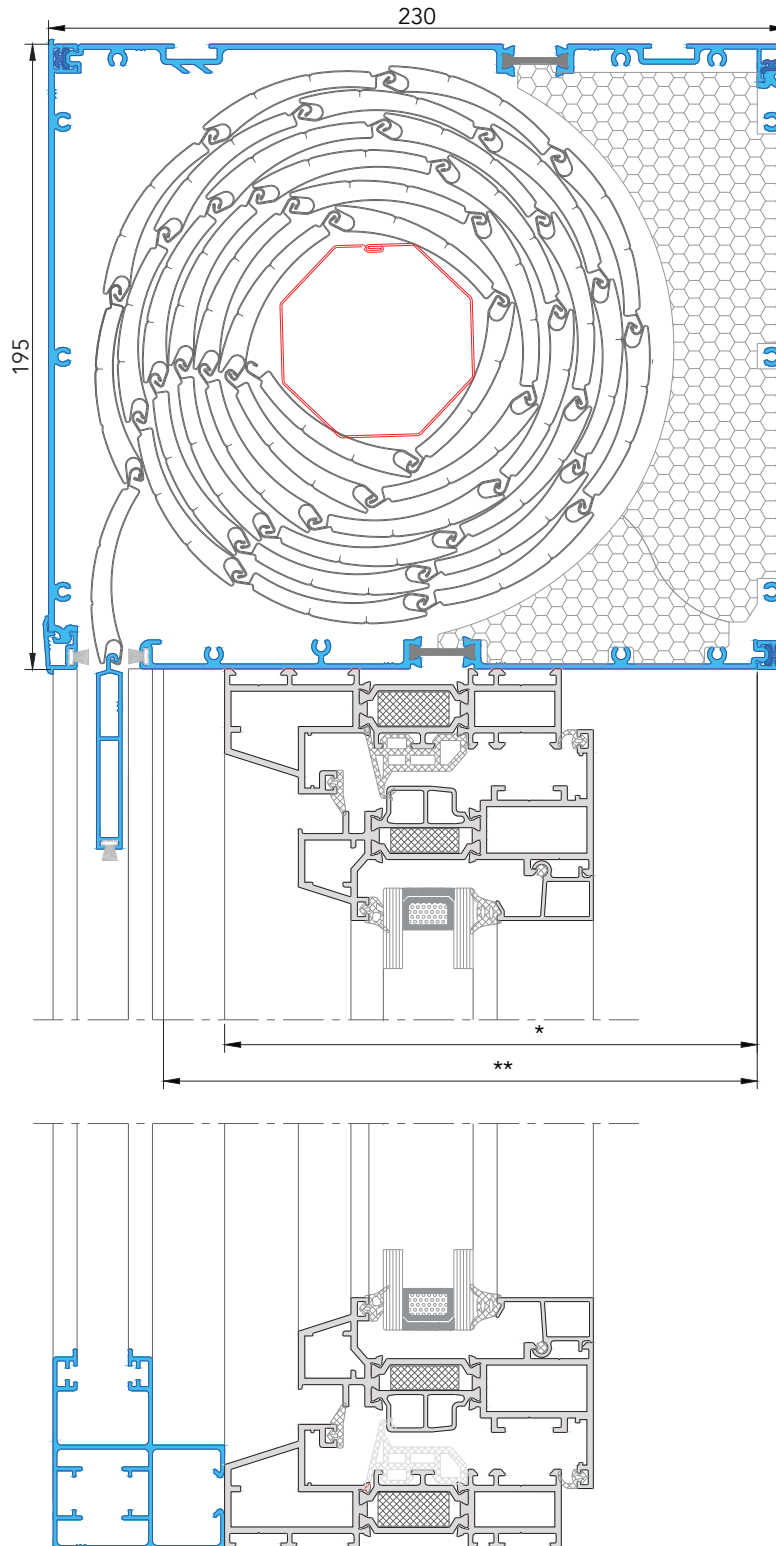
*The maximum frame width that can be used with guide rail coded 2009, 2009C, and A017255 is 132 mm.

**The maximum frame width that can be used with guide rail coded 2013, 2013C, and A021122 is 155 mm.

Technical

Monoblock System Sections / Installation Applications

■ 3021 - 195x230 mm Box



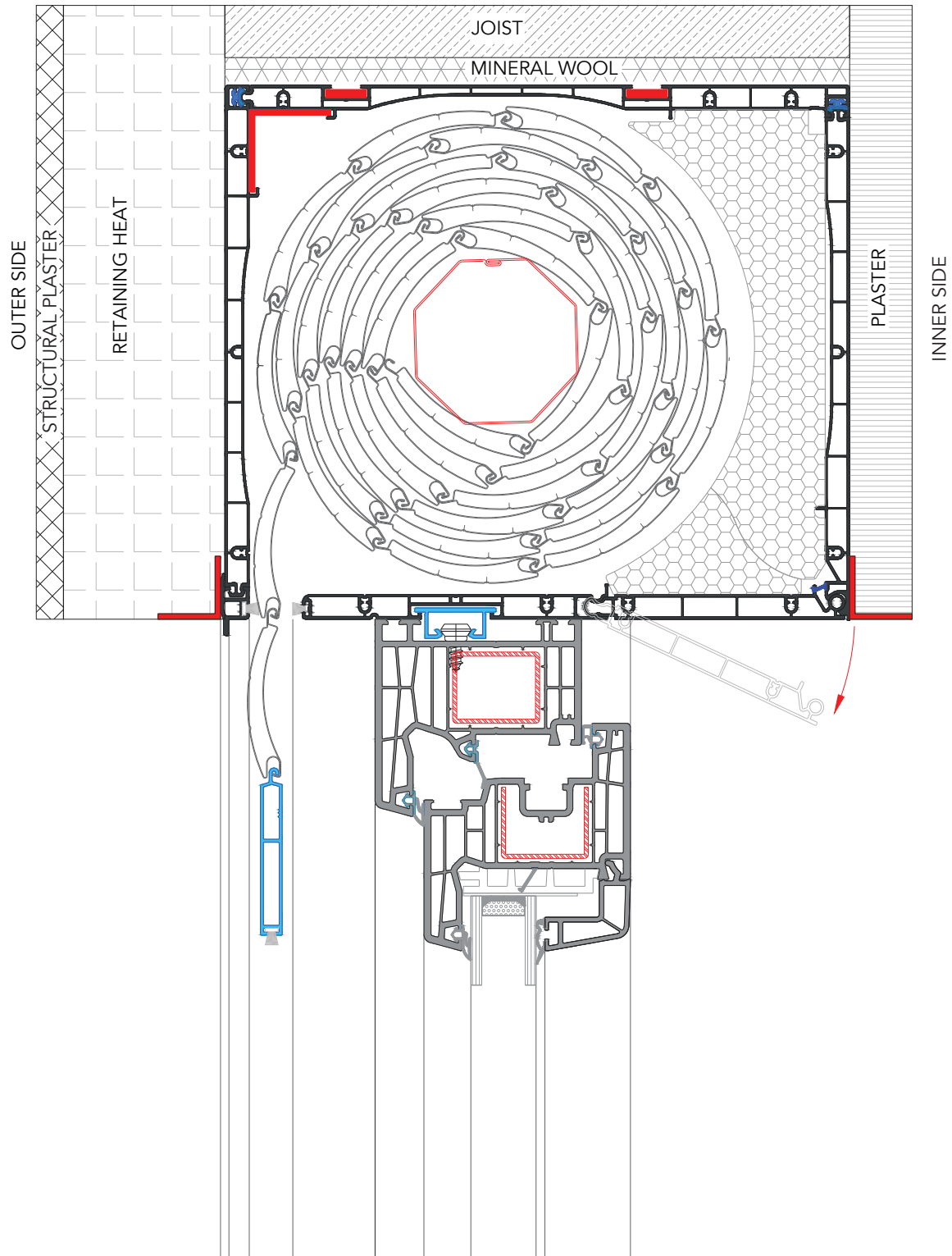
*The maximum frame width that can be used with guide rail coded 2009, 2009C and A017255 is 162 mm.

**The maximum frame width that can be used with guide rail coded 2013, 2013C, A021122 is 185 mm.

Technical

Monoblock System Sections / Installation Applications

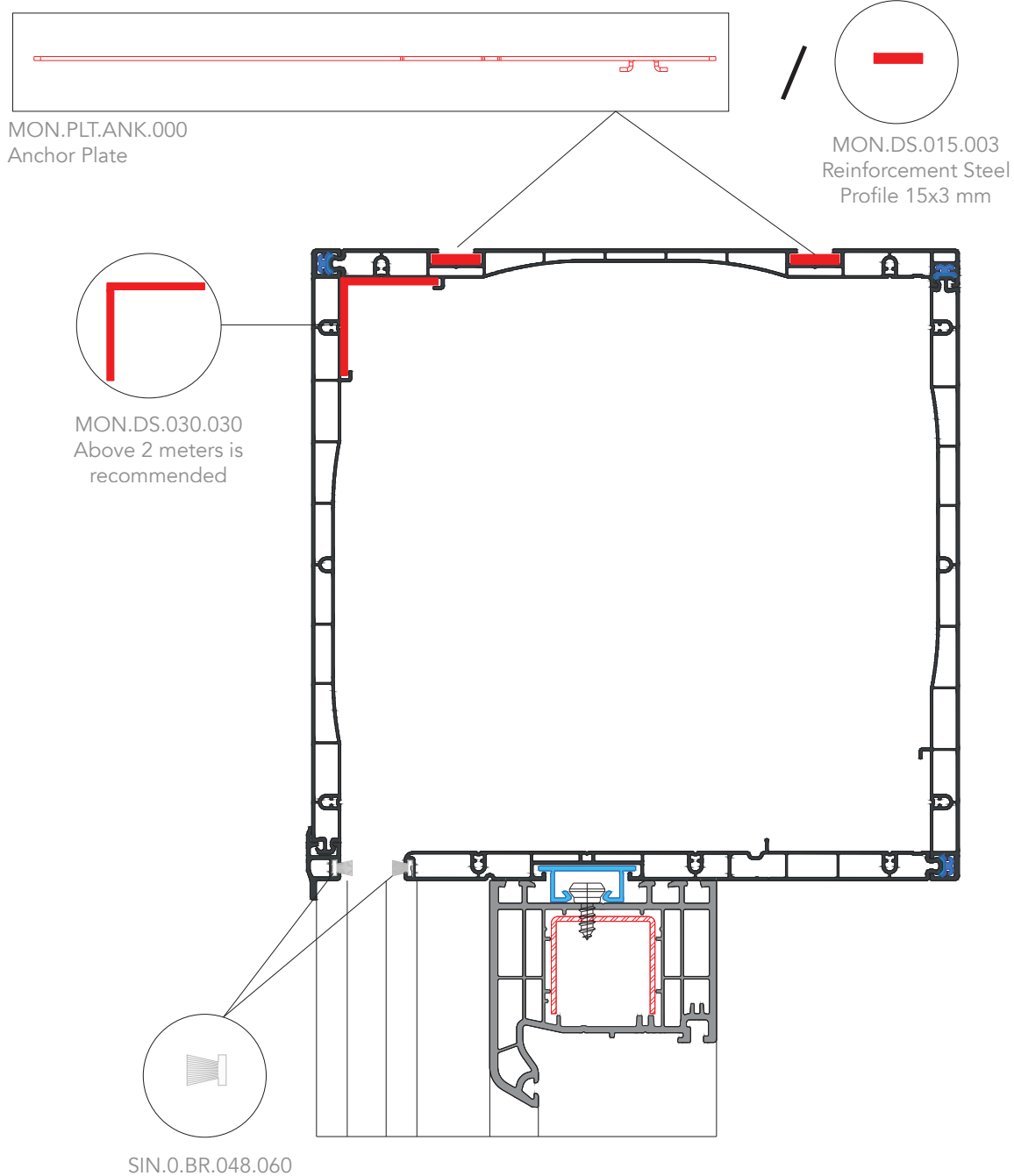
■ 2023 - Built-in Detail Application



Technical

Monoblock System Sections / Installation Applications

■ Box Usage Options



Technical

Assembly Instructions and Precautions



Cutting and Preparation

- Slat, box, guide rail, and end slat profile cuts should be made neatly, without burrs, and no gaps should remain at the joints.
- Guide rail profiles are cut according to the specified height measurement. Insert brushes are inserted into the related channels.
- Box profiles are cut according to the specified width measurement.
- Galvanized steel Tube is cut according to the specified width measurement
- Slats are cut in the specified quantity and dimensions.



Side Cover and Mounting Preparation

- Side covers are prepared according to the assembly table, with bearing/motor plate and gasket installation as required.
- Plastic bearing plates are placed on the side covers.
- The tube is fixed by inserting the motor/gearbox on one side and the pin head of the tube on the other, and securing it with screws.



Curtain System Assembly

- Cut slats are inserted to each other to form the curtain system.
- The lower part of the curtain system is passed through the end slat profile.
- The bottom gasket is inserted into the gasket channel.
- Interlocked slats are joined using plastic caps starting from both ends of the end slat profile.
- The slats are joined to plastic caps by using staplers.
- Steel springs suitable for the slats hook are placed on the top slat of the curtain system, starting approximately 25 cm from each side and positioned at intervals of one per every half meter.



Fixing and Motor Installation

- Steel springs are inserted into the tube; if slotted type, they are inserted, if screw type, they are screwed into place. In motorized systems, care should be taken not to damage the motor.
- In manual shutter applications, a stopper is mounted onto the bottom profile.



Guide Rail and Box Assembly

- Box profiles (with serviceable or removable covers) are assembled with right and left side covers using screws.
- Cut guide rails are fixed to the outer side of the frame using clip screws, ensuring a flush fit with the edge of the frame.
- The prepared box system is assembled onto the frame accordingly.



Manual Roller Shutter Cord Adjustment

- In manual shutters, the cord guide is placed on the box or cover section before final assembly.
- The cord guide should be attached before the box assembly is completed.

Web Sites



asapanjur.com.tr



asaspn.com.tr



asasarchitecture.
com.tr



asastr.com

Social Media



Instagram
/asaspn.veratec



Instagram
/asas_mimari



Facebook



Youtube



Linkedin



X

3D Views



Sketchfab

Showroom



Virtual
Showroom

**Monoblock Roller Shutter Systems
Technical Catalogue**

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