

# PRODUCT OVERVIEW

june -2020

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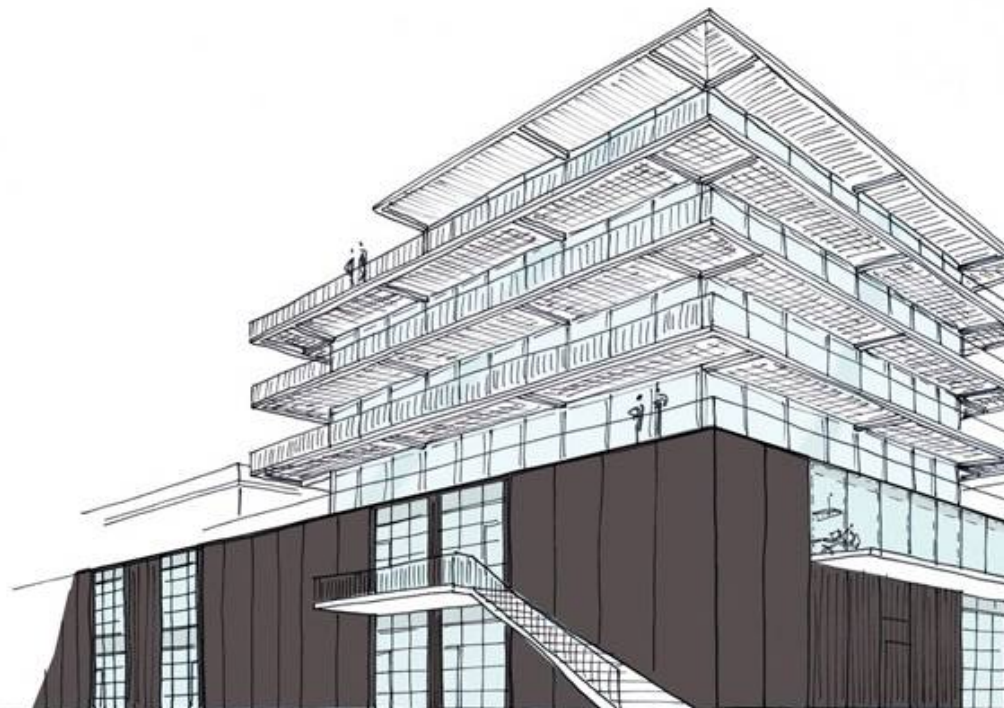
LIFT & SLIDE LST-135 ..... 39



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## ABOUT BENDINI

Driven by innovation and entrepreneurship, the Bendini group has spun out activities as a supplier of aluminium for architectural applications, surface treatments of profiles and accessories, products for roofs and facades and ready-to-install elements for the building industry.

As a part of the Bendini group aluminium is a leading Iranian specialist in the development and marketing of innovative and sustainable aluminium solutions. These include a wide variety of window and door systems, curtain walling, sliding systems and conservatories.

Besides offering an extensive range of standard solutions, the company also develops solutions that are tailored to the individual customer or project and provides extensive technical support and advice to fabricators, contractors and architects.

Research, product development are conducted at the Bendini. The company's success is based on the close partnership with many partner fabricators, architects and project developers in Iran. This unique cooperation is reflected in our Bendini aluminium is a leading Iranian specialist in the development and marketing of innovative and sustainable aluminium solutions for windows, doors, curtain walls, sliding systems and conservatories. Driven by energy-efficiency and the willingness to take responsibility for the environment.

Bendini systems are designed to meet different levels of thermal insulation. Profiles of Bendini also have a unique center seal or gasket and a continuous acoustic seal, to ensure the insulation.

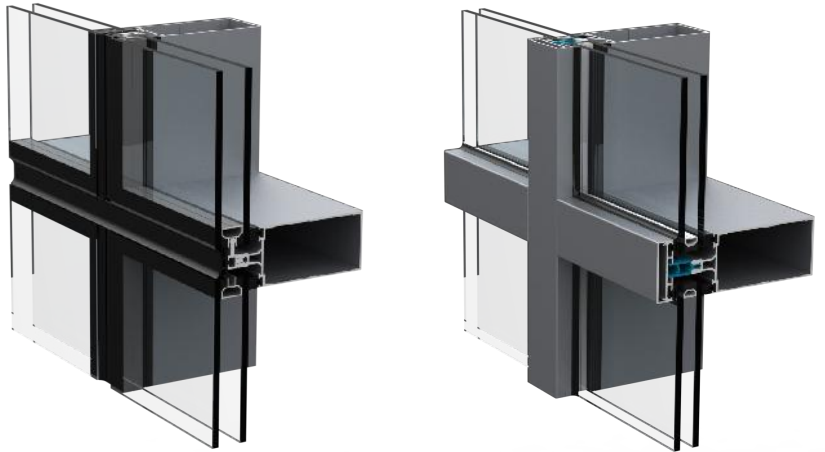


# BC-50

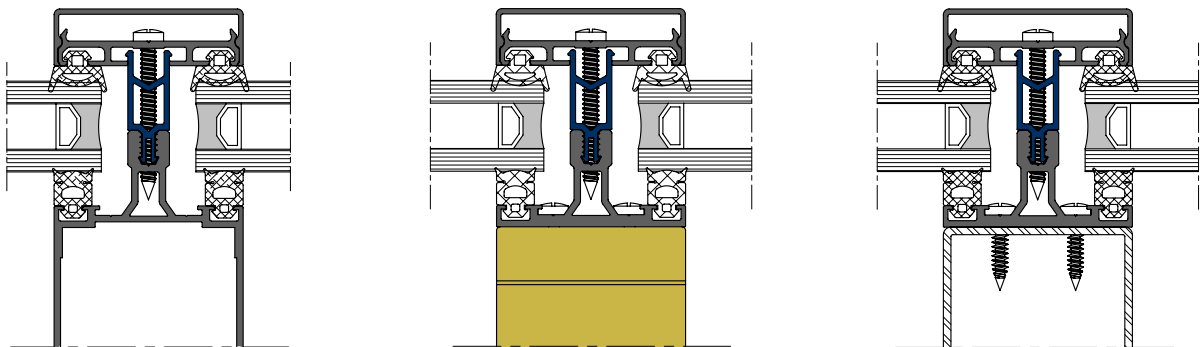
# CURTAIN WALL SYSTEMS

Technical specifications:

Mullion Width :	50 mm
Mullion Height:	Add on-200 mm
Glass Thickness:	6-52 mm
Wind load resistance:	Up to 2.4 KN/m <sup>2</sup>

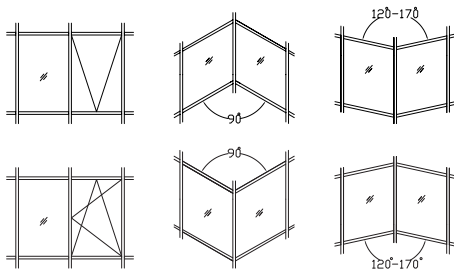


BENDINI BC-50 with 50 mm width a curtain wall system which is suitable for all kinds of glass facade. High thermal break system with transom and mullion profiles usable in all horizontal and vertical directions and all kinds of angles.

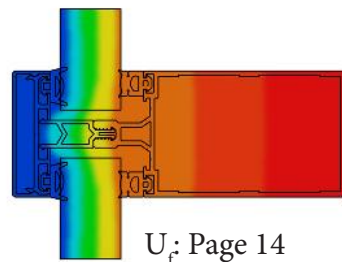


For the complete curtain wall system BC-50, BENDINI systems has passive-house certifications. At present, this makes BENDINI the only system vendor in the Italian speaking markets to offer passive-house certificated facades made of aluminium, wood and steel.

Opening elements:



Thermal separation  
lowering energy, saving costs

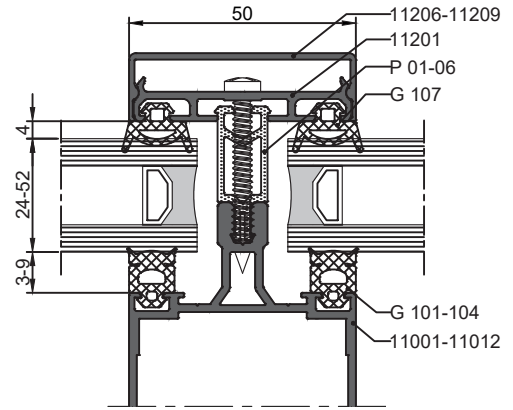
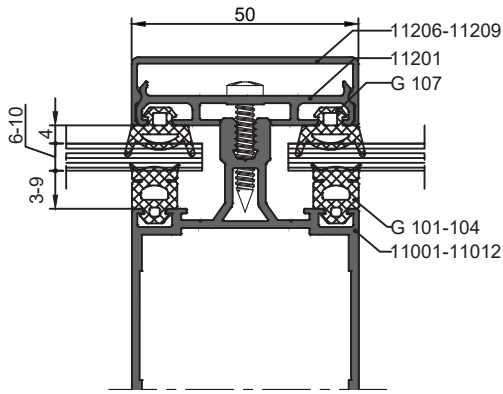


U<sub>f</sub>: Page 14

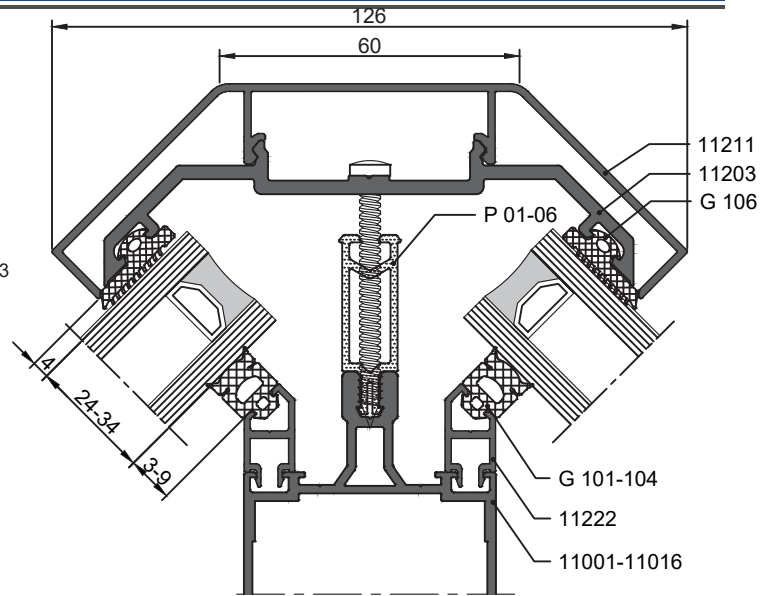
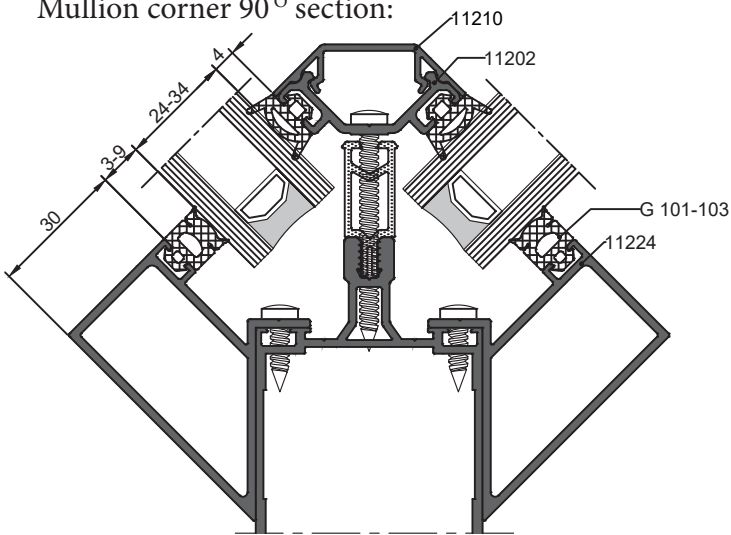




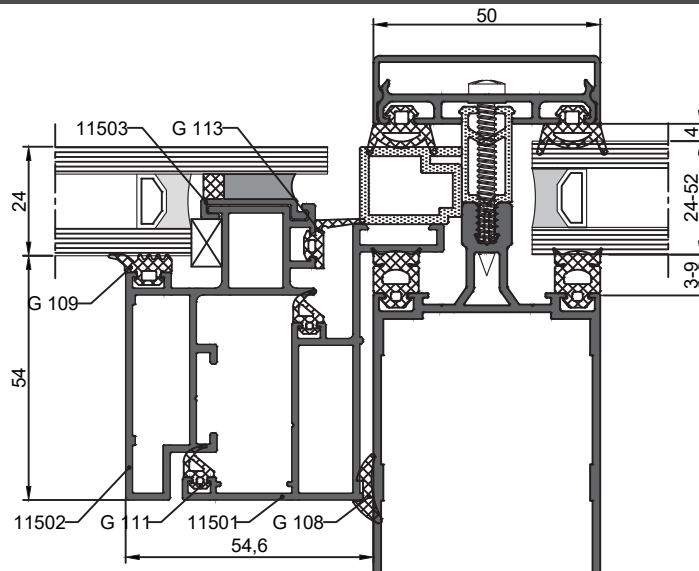
Mullion and transom section:



Mullion corner 90° section:



Mullion tilt and parallel section:

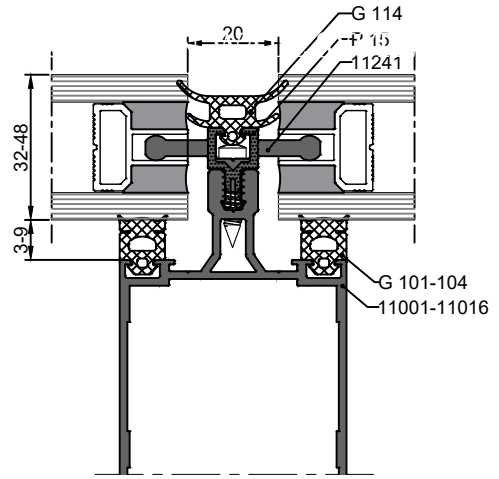
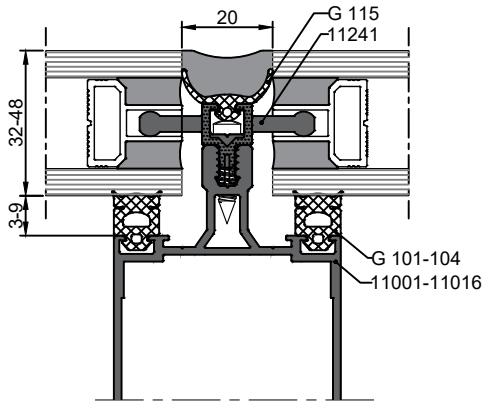




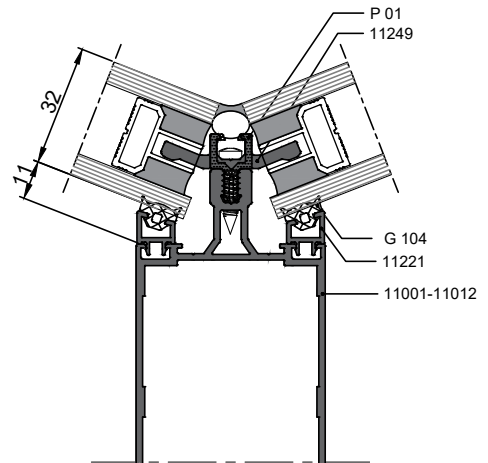
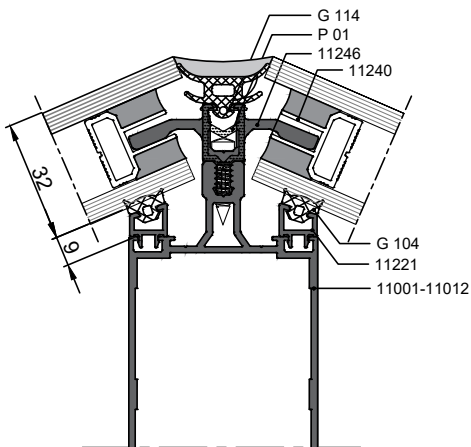
# BC-50

# CURTAIN WALL SYSTEMS

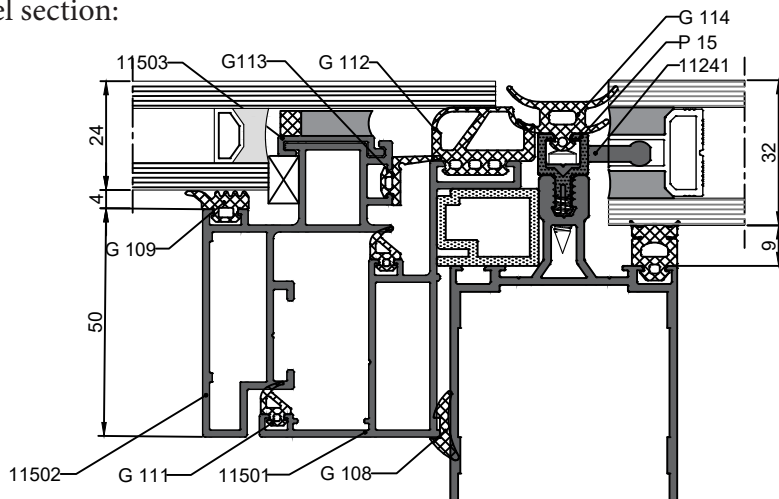
Structural glazing curtain wall:



Mullion corner 135° section:

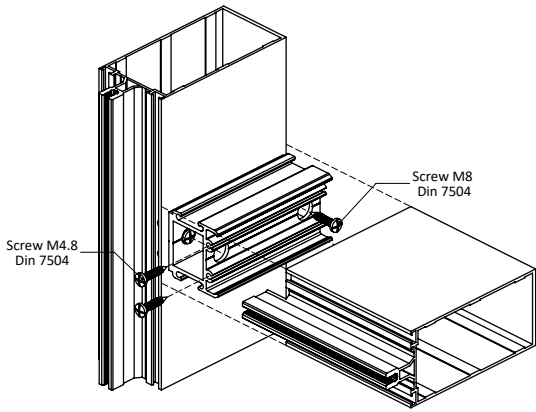


Mullion tilt and paralel section:

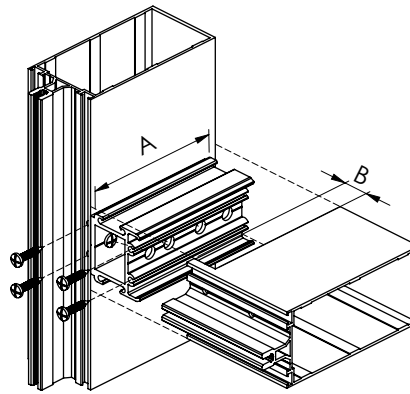




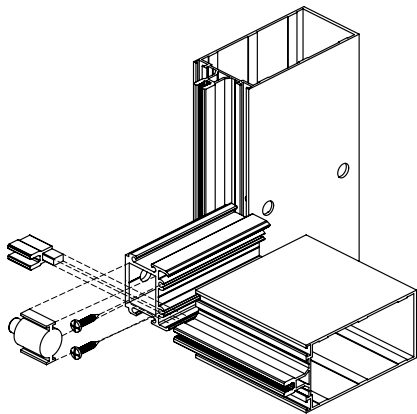
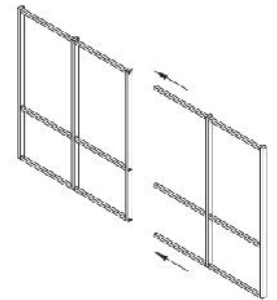
Technical detail:



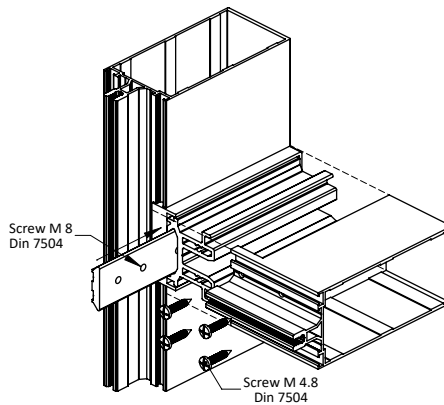
T-connector



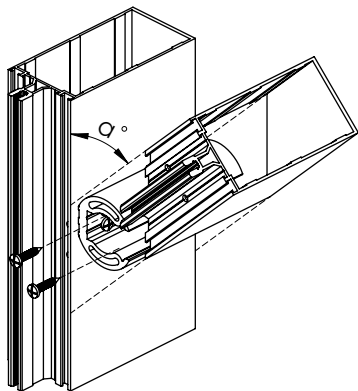
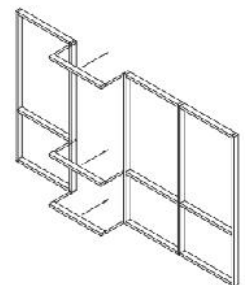
T-connector



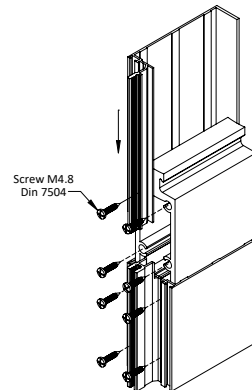
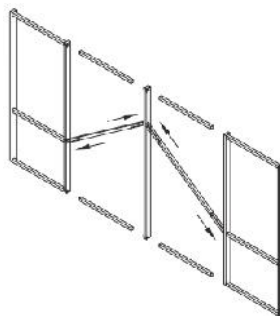
Spring bolt



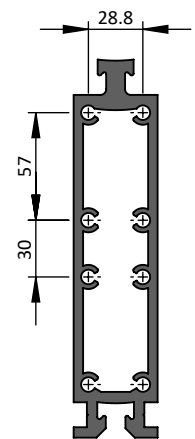
Sliding T-connector



T-connection variable for angles from 30° to 85°



Mullion joint with insertion profile



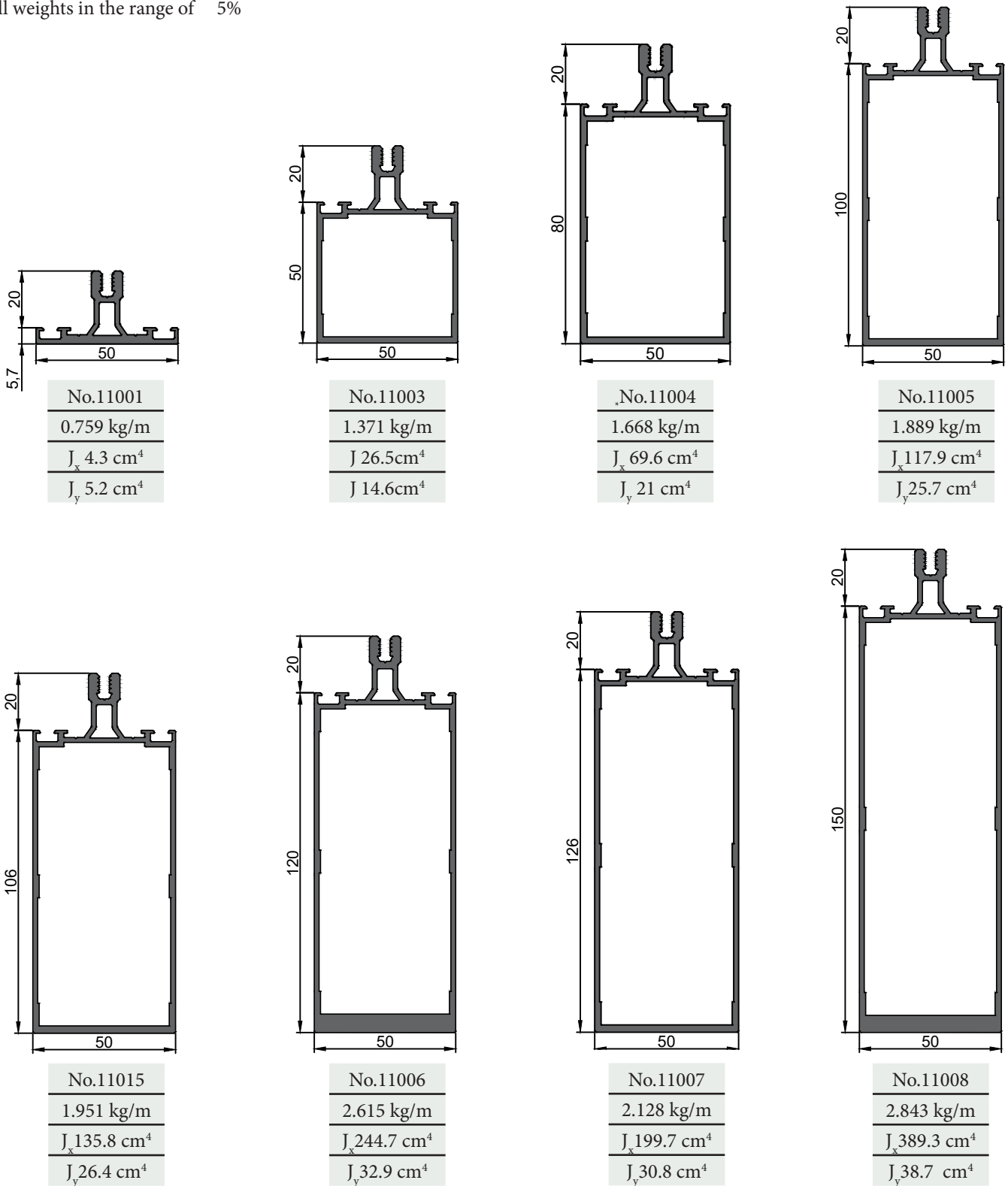


# BC-50

# CURTAIN WALL SYSTEMS

Mullion and transom profiles:

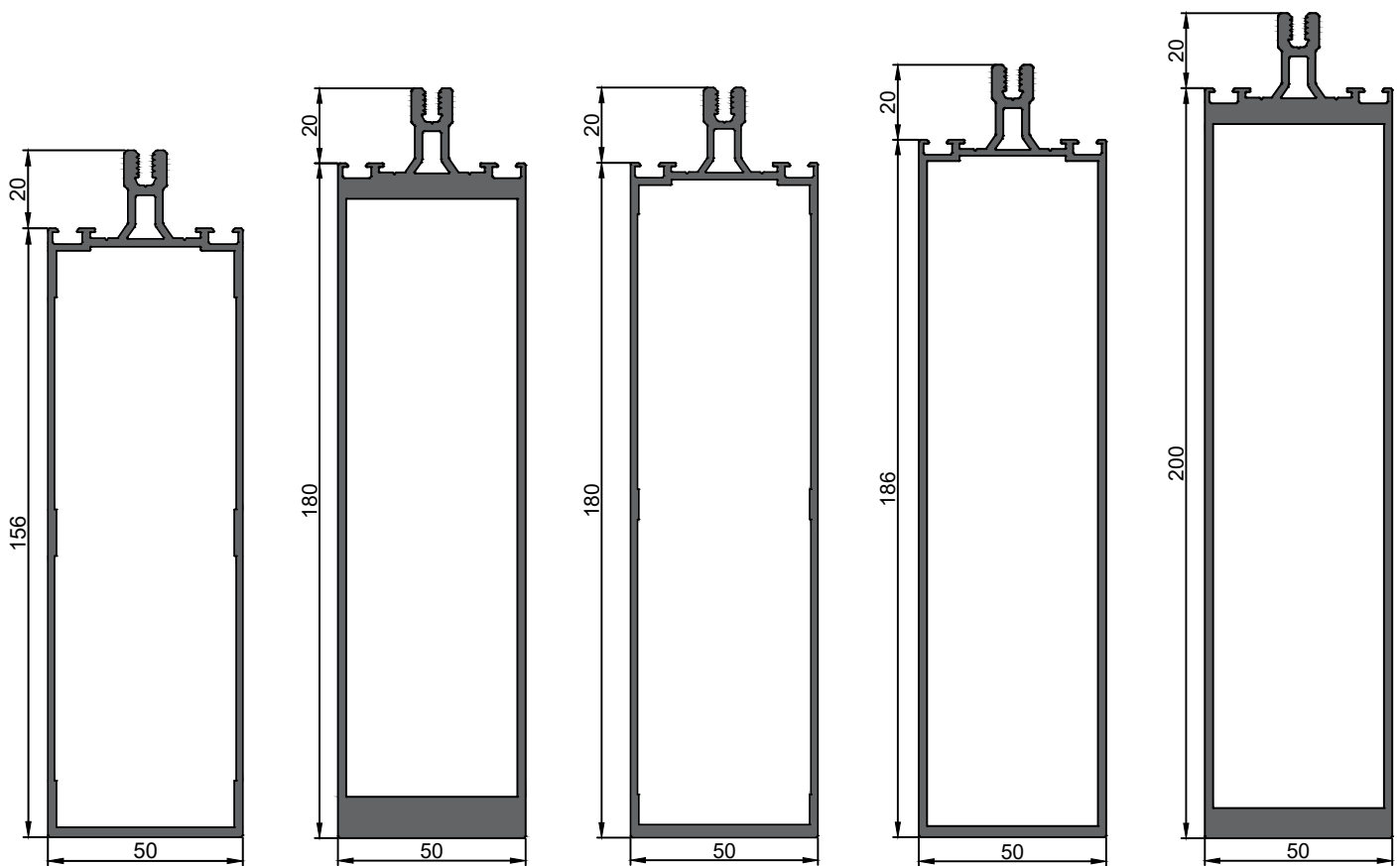
All weights in the range of 5%





Mullion and transom profiles:

All weights in the range of 5%



No.11009
2.420 kg/m
$J_x 320.1 \text{ cm}^4$
$J_y 36.8 \text{ cm}^4$

No.11010
4.680 kg/m
$J_x 920 \text{ cm}^4$
$J_y 59 \text{ cm}^4$

No.11016
2.955 kg/m
$J_x 526 \text{ cm}^4$
$J_y 45 \text{ cm}^4$

No.11011
3.193 kg/m
$J_x 556 \text{ cm}^4$
$J_y 51 \text{ cm}^4$

No.11012
4.300 kg/m
$J_x 1016 \text{ cm}^4$
$J_y 64 \text{ cm}^4$

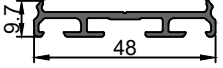
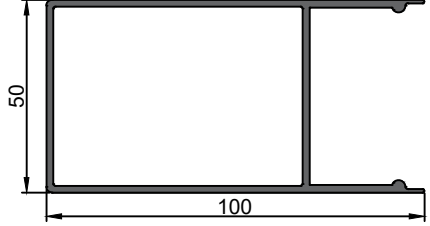
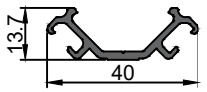
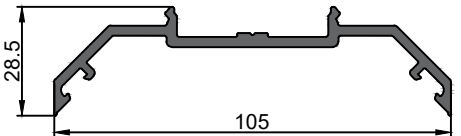

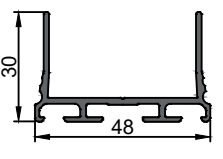

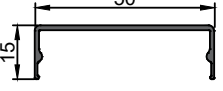

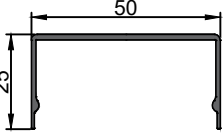
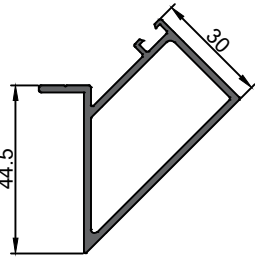
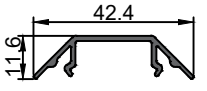
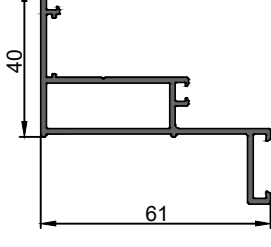
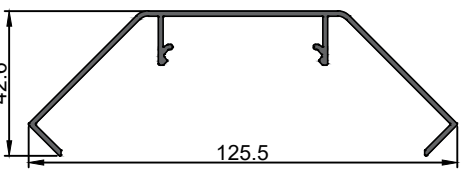
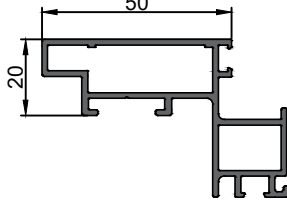


# BC-50

# CURTAIN WALL SYSTEMS

Aluminium profiles:

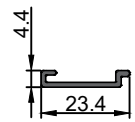
All weights in the range of  $\pm 5\%$

	Pressure profile		Cover cap profile
	11201	50	11212
	0.368 kg/m	100	1.456 kg/m
	Pressure profile		Glazing adapter
	11202		11221
	0.314 kg/m		0.100 kg/m
	Pressure profile		Glazing adapter
	11203	11.7	11222
	1.1 kg/m		0.166 kg/m
	Pressure profile		Glazing adapter
	11204	10	11223
	0.552 kg/m	17	0.202 kg/m
	Cover cap profile		Glazing adapter
	11206	10	11224
	0.276 kg/m	21	0.833 kg/m
	Cover cap profile		Integration outer frame
	11207	44.5	11501
	0.342 kg/m	30	0.750 kg/m
	Cover cap profile		Casement sash profile
	11210	40	11502
	0.246 kg/m	61	0.970 kg/m
	Cover cap profile		
	11211	50	
	0.755 kg/m	20	



### Aluminium profiles:

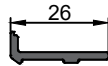
All weights in the range of 5%



Glazing bead

11503

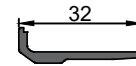
0.210 kg/m



Glass support  
for:18-22

11230

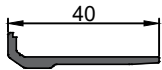
0.180 kg/m



Glass support  
for:24-28

11231

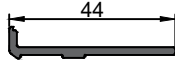
0.220 kg/m



Glass support  
for:30-34

11232

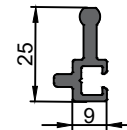
0.265 kg/m



Glass support  
for:36-40

11233

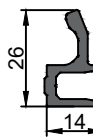
0.310 kg/m



Single toggle

11241

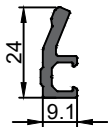
0.325 kg/m



Single toggle

11246

0.365 kg/m

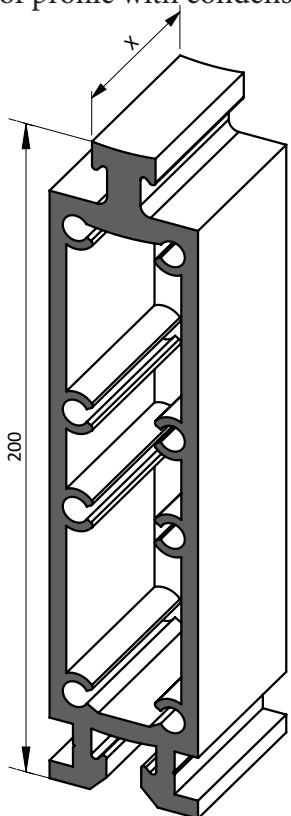


Single toggle

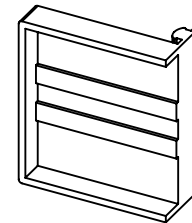
11249

0.340 kg/m

System with indented connection (Connector 11303 and 11304)  
of profile with condensate channel



No.	Description
11301	Dilation profile
Mullion No.	Cutting length (X)
11001	-
11003	41.5
11004	71.5
11005	91.2
11006	106.4
11007	117.2
11008	137.7
11009	147.2
11010	158.7
11011	176.7
11012	169.9
11015	97.2



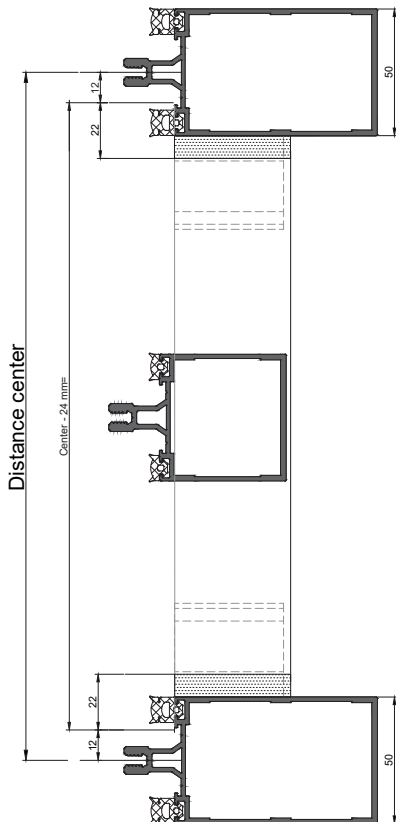
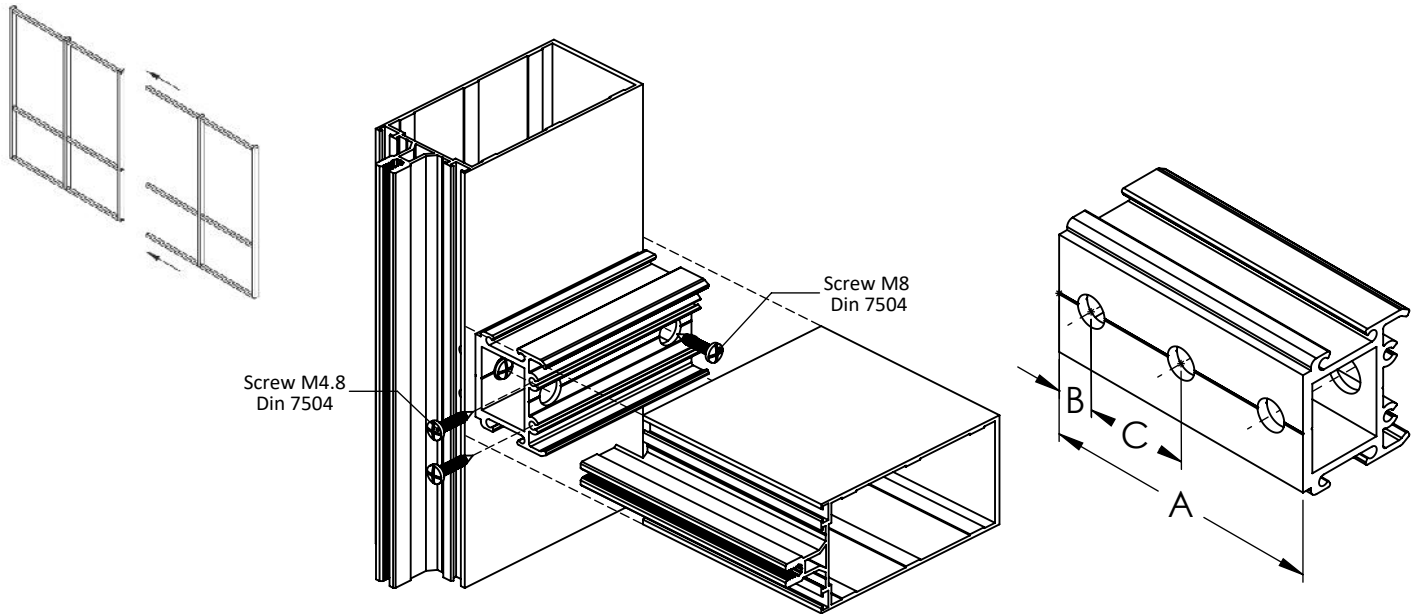
Collar		
Sliding	Fixed	Mullion No.
Collar50	Collar56	11003
Collar80	Collar86	11004
Collar100	Collar106	11005
Collar106	Collar 112	11015
Collar120	Collar126	11006
Collar126	Collar132	11007
Collar150	Collar156	11008
Collar156	Collar162	11009
Collar180	Collar186	11010
Collar180	Collar186	11016
Collar180	Collar192	11011
Collar200	Collar206	11012



# BC-50

# CURTAIN WALL SYSTEMS

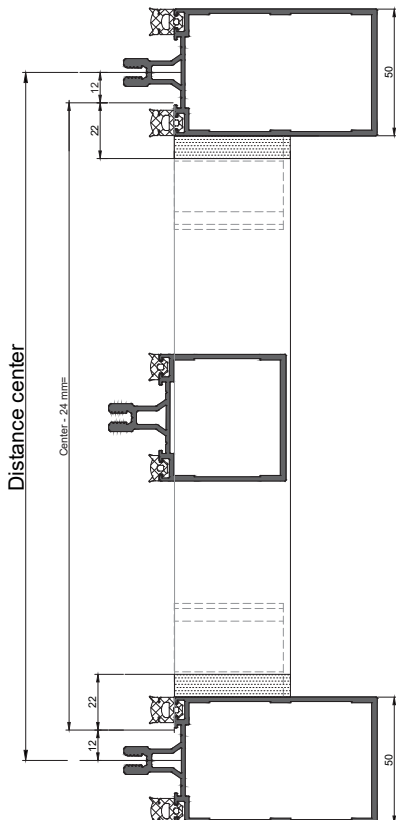
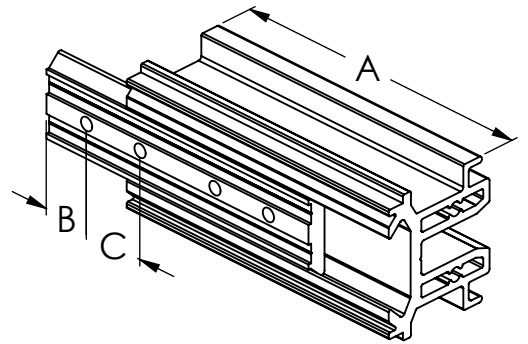
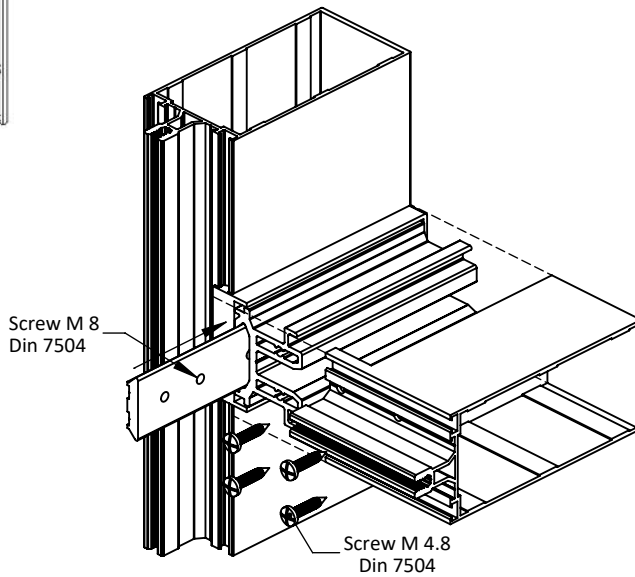
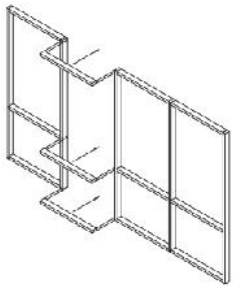
**Aluminium curtain wall 50mm**  
 T-connector 50 to 200  
 Standard



No.	Description			
11303- 11304	T-connection			
Mullion No.	A (mm)	B (mm)	C (mm)	Count Screw
11003	41.5	12	-	2
11004	71.5	12	24	3
11005	91.2	12	22.5	4
11006	106.4	12	20.5	5
11007	117.2	12	23.5	5
11008	137.7	12	23	6
11009	147.2	12	24.5	6
11010	158.7	12	22.5	7
11011	176.7	12	22.5	7
11012	183.9	12	26.5	7
11015	97.2	12	23.5	4



**Aluminium curtain wall 50 mm**  
**T-connector**  
**Belated assembly**



No.	Description				
11304 & 11306	T-connection				
Mulion No.	A (mm)	B (mm)	C (mm)	Count Screw	Collar no.
11003	41.5	12	-	2	Coll 50
11004	71.5	12	24	3	Coll 80
11005	91.2	12	22.5	4	Coll 100
11006	106.4	12	20.5	5	Coll120
11007	117.2	12	23.5	5	Coll 126
11008	137.7	12	23	6	Coll 150
11009	147.2	12	24.5	6	Coll 156
11010	158.7	12	22.5	7	Coll 170
11011	158.7	12	22.5	7	Coll 180
11012	183.9	12	26.5	7	Coll 200
11015	97.2	12	23.5	4	Coll 106

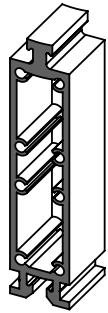


# BC-50

# CURTAIN WALL SYSTEMS

Aluminium profiles and accessories:

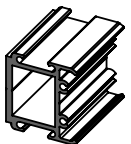
All weights in the range of  $\pm 5\%$



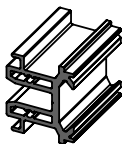
Dilation profile
11301
7.880 kg/m



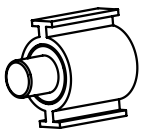
Variable connection
11302
1.515 kg/m



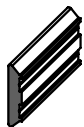
T connection
11303
1.350 kg/m



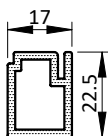
T connector
11304
1.575 kg/m



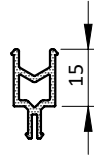
T connection
11305



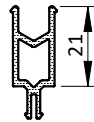
T connection
11306
1.575 kg/m



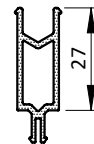
Support block
P 21



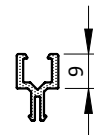
Spacer profile
P 01
$U_f: 1.92 \text{ w}/(\text{m}^2.\text{k})$



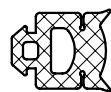
Spacer profile
P 02
$U_f: 1.7 \text{ w}/(\text{m}^2.\text{k})$



Spacer profile
P 03
$U_f: 1.51 \text{ w}/(\text{m}^2.\text{k})$



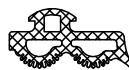
Spacer profile
P 15
$U_f: 2.06 \text{ w}/(\text{m}^2.\text{k})$



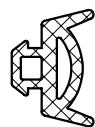
Glazing gasket
G 101



Glazing gasket
G 104



Glazing gasket
G 106



Glazing gasket
G 107



Gasket for frame profile
G 108



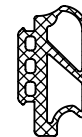
Glazing gasket
G 109



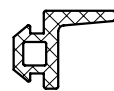
Gasket for frame profile
G 110



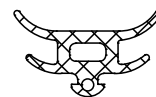
Glazing gasket
G 111



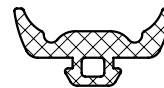
Interior verlap Gasket
G 112



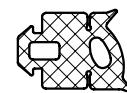
Outside barrier gasket
G 113



Finishing gasket
G 114



Finishing gasket
G 115



pressure gasket
G 116



Exterior overlap gasket
G 210





# HT-70

# WINDOW & DOOR SYSTEMS

Technical specifications:

Frame width:	70 mm
Sash width:	79 mm
Thermal insulation:	34 mm
Sash glass thickness:	20 - 48 mm
Frame glass thickness:	20 - 44 mm

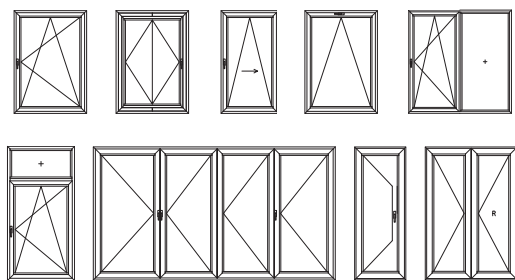


Series 70 Hinged System suitable for Tilt and Turn modes and high thermal insulation with polyamide blades. This modular window and door system not only fulfils the highest demands for insulation; you will also be convinced of its elegant aesthetics. Various profile depths and grades of insulation ensure the flexibility required for planning.

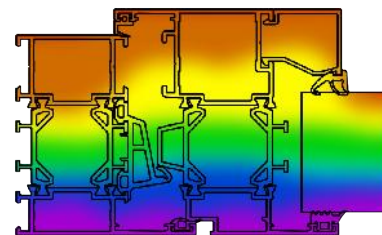
Safety through tested quality:

		HT-70 Sash glazing	HT-70 Hidden sash glazing
System values	Uf - value passive house	= 2.25 W/(m2K)	= 2.35 W/(m2K)
	Uf - value 1	≥ 2.25 W/(m2K)	≥ 2.35 W/(m2K)
	Overall depth	70 mm	70 mm
Applications	Wall window	X	X
	Facade insert element	X	X
	Block wing		X

Opening elements:



Thermal separation  
lowering energy, saving costs

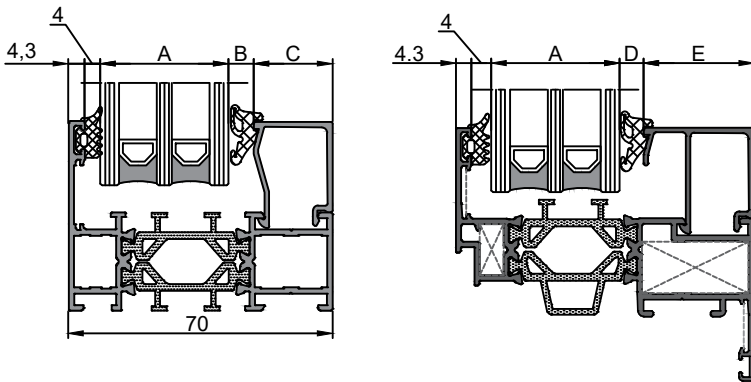


U<sub>f</sub>: 2.25w/(m<sup>2</sup>.k)



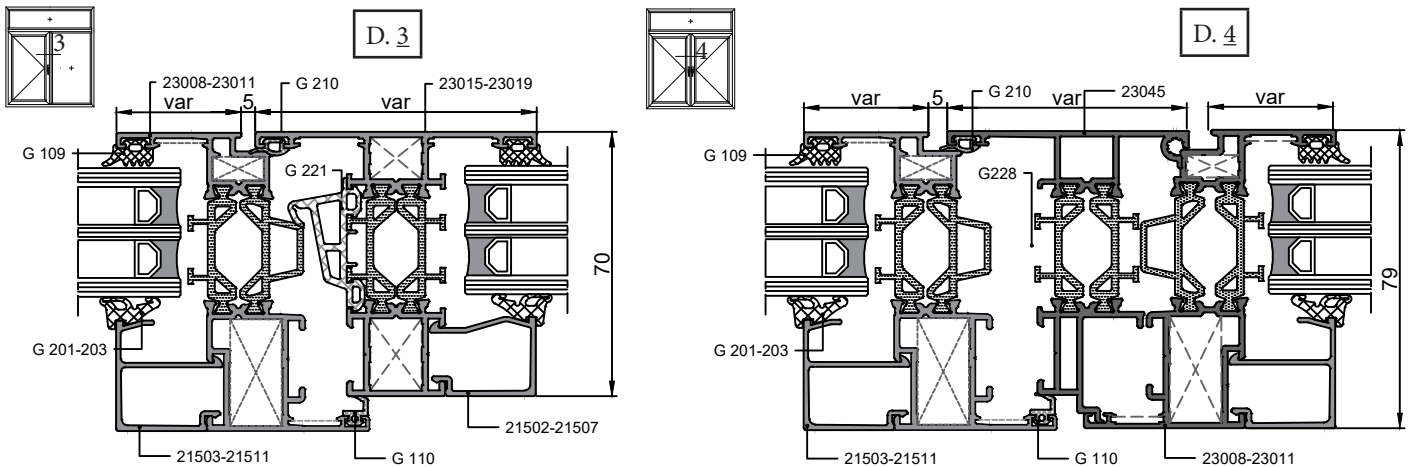
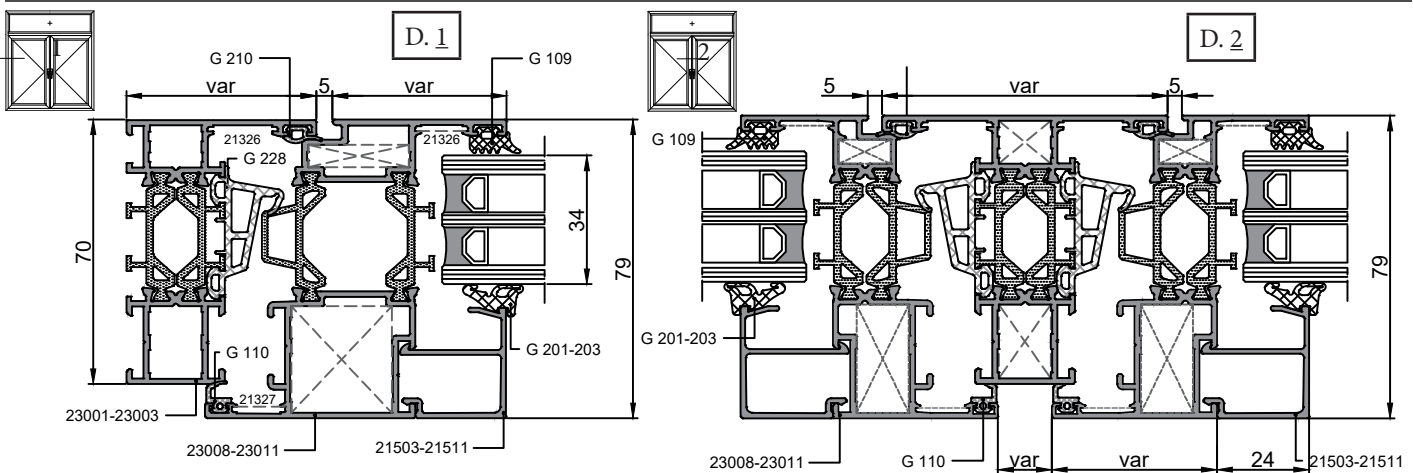


The exact dimensions of the glass and its related rubber:



A (mm)	B	C	D	E
20	G 202	21507	G 202	21511
22	G 200	21507	G 201	21511
24	G 203	21506	G 202	21509
26	G 202	21506	G 200	21509
28	G 200	21506	G 200	21508
30	G 202	21505	G 201	21507
32	G 201	21505	G 200	21507
34	G 202	21504	G 202	21506
36	G 201	21504	G 201	21506
38	G 202	21503	G 203	21505
40	G 201	21503	G 202	21505
42	G 202	21502	G 200	21505
44	G 200	21502	G 201	21504
46	-	-	G 200	21504
48	-	-	G 202	21503

Aluminium windows HT-70  
Frame ,sash and mullion section



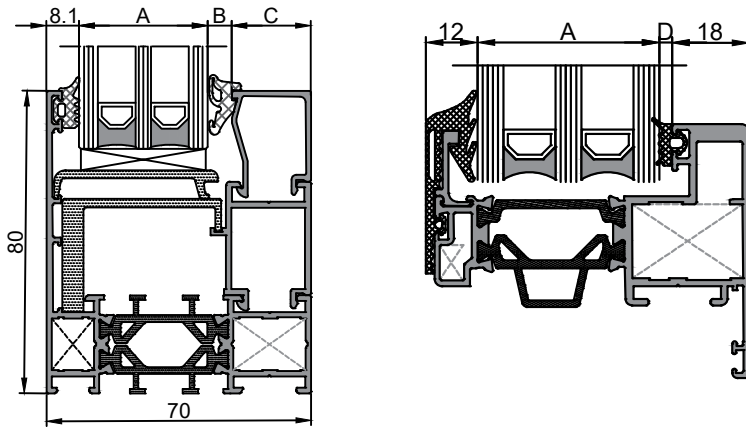


# HT-70

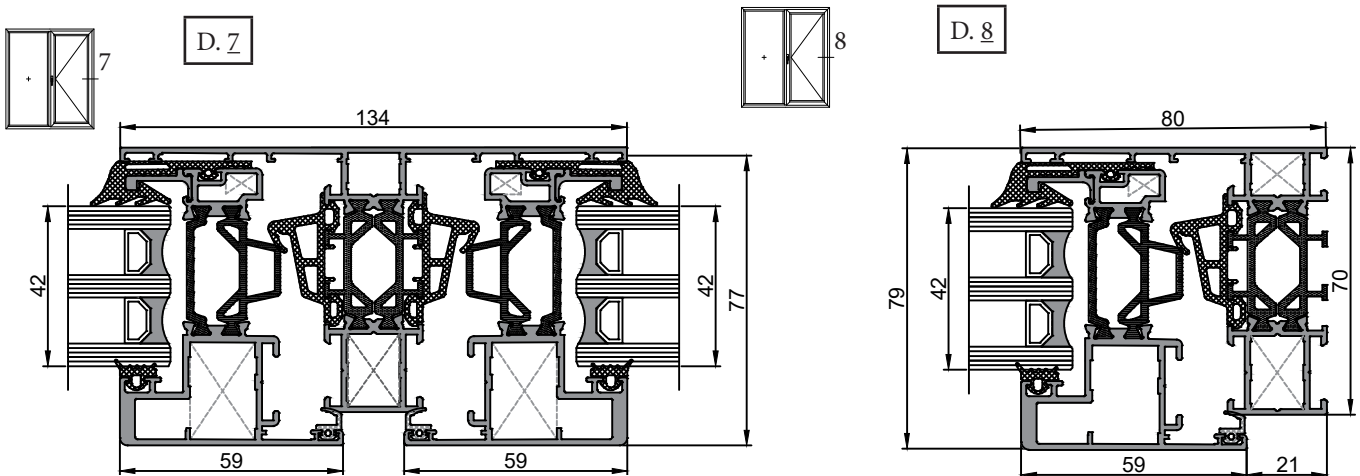
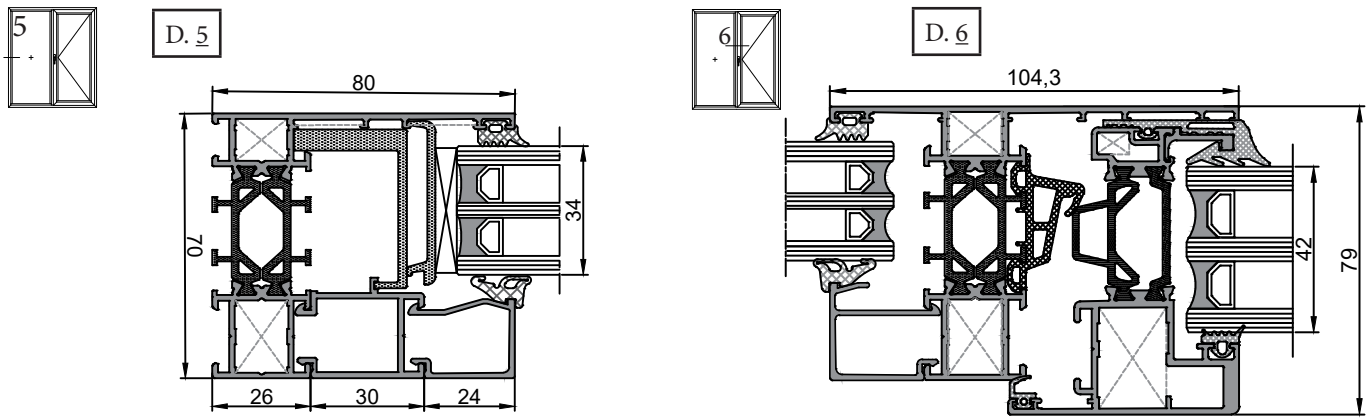
# WINDOW & DOOR SYSTEMS

The exact dimensions of the glass and its related rubber:

A (mm)	B	C	D
20	G 203	21507	-
22	G 202	21507	-
24	G 201	21507	-
26	G 203	21506	-
28	G 202	21506	-
30	G 203	21505	-
32	G 202	21505	G 218
34	G 203	21504	G 217
36	G 202	21504	G 216
38	G 203	21503	G 215
40	G 202	21503	G 109
42	G 203	21502	-
44	G 202	21502	-



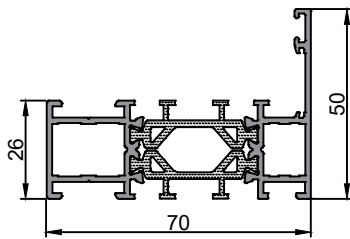
Aluminium windows 70 mm  
Frame ,sash and mullion section for hidden sash



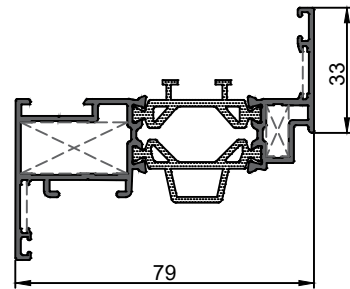


Aluminium profiles:

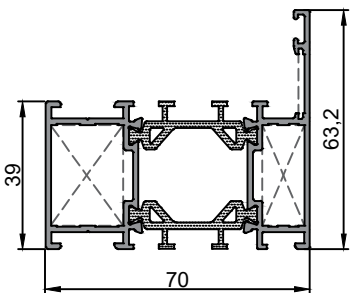
All weights in the range of  $\pm 5\%$



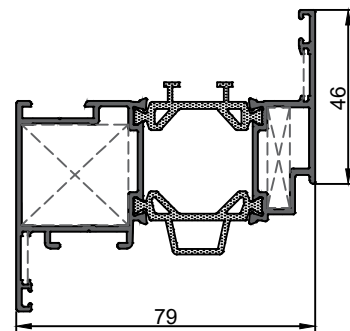
Frame profile  
23001  
1.260 kg/m



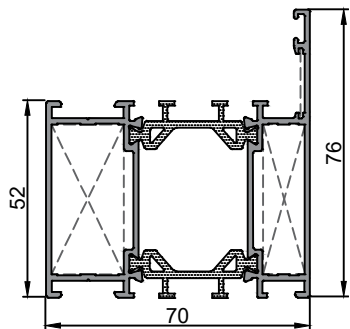
Sash profile  
23008  
1.800 kg/m



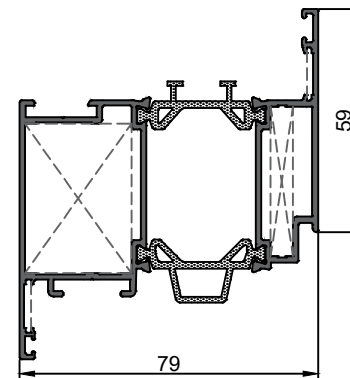
Frame profile  
23002  
1.460 kg/m



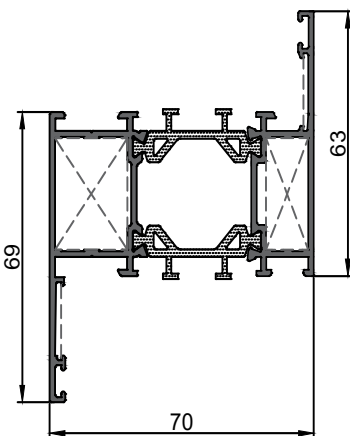
Sash profile  
23009  
1.600 kg/m



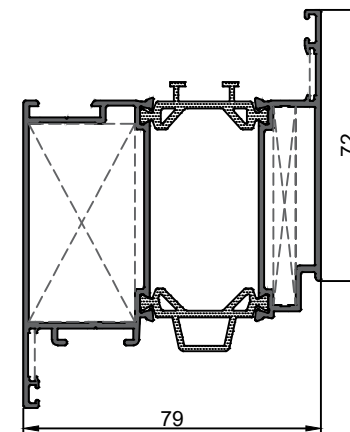
Frame profile  
23003  
1.650 kg/m



Sash profile  
23010  
1.800 kg/m



Z Frame profile  
23006  
1.695 kg/m



Sash profile  
23011  
1.820 kg/m

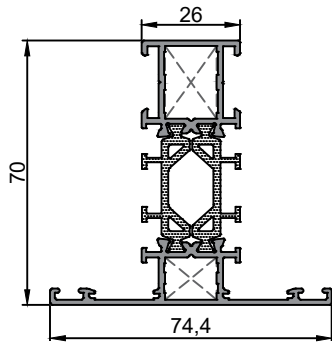


# HT-70

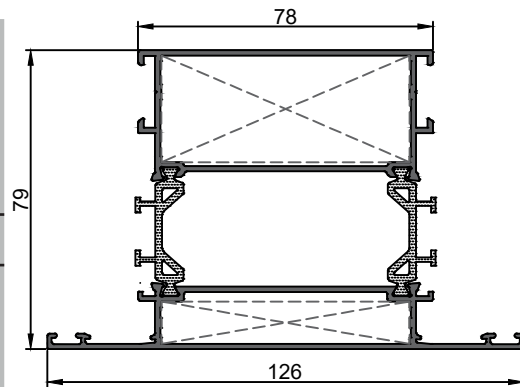
# WINDOW & DOOR SYSTEMS

Aluminium profiles:

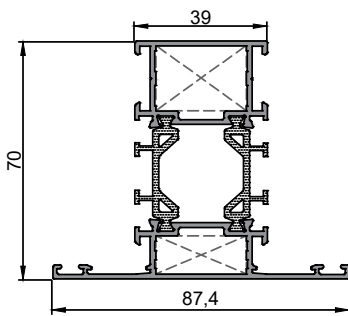
All weights in the range of  $\pm 5\%$



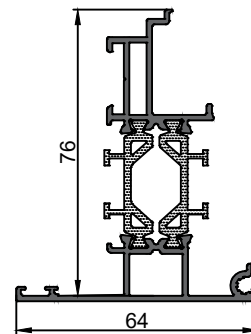
Mullion profile
23015
1.410 kg/m



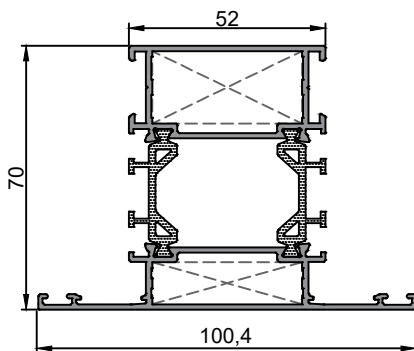
Mullion & Bottom rail profile
23025
2.295 kg/m



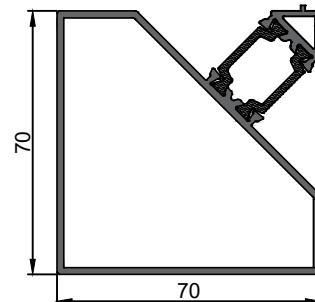
Mullion profile
23016
1.630 kg/m



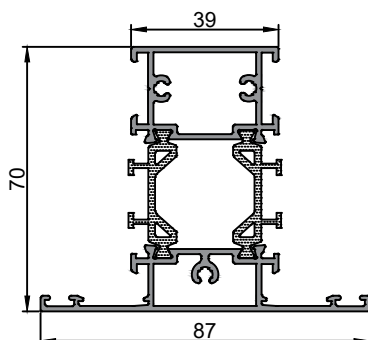
Double casement adapter profile
23045
1.488 kg/m



Mullion profile
23017
1.750 kg/m



Corner profile
23060
1.680 kg/m

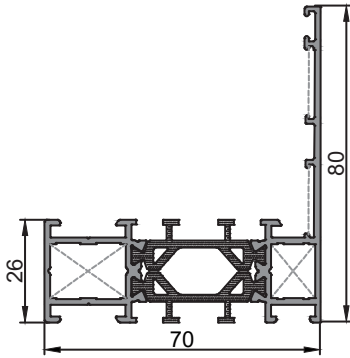


Mullion profile
23019
1.800 kg/m



Aluminium profiles hidden vent:

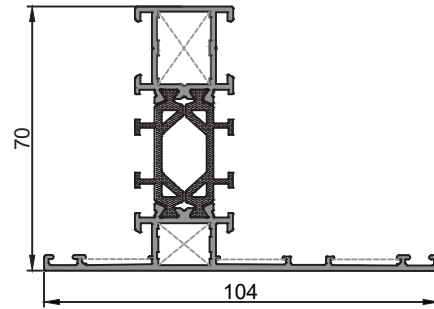
All weights in the range of  $\pm 5\%$



Frame profile for hidden sash

23031

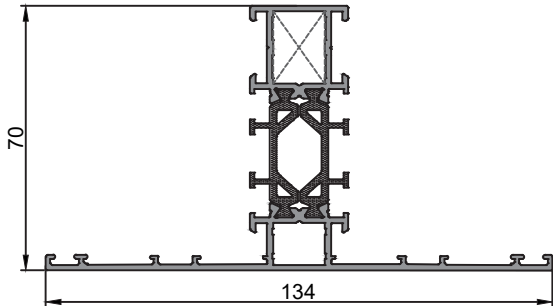
1.433 kg/m



Frame profile for hidden sash

23032

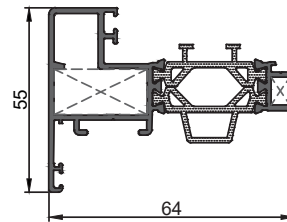
1.553 kg/m



Frame profile for hidden sash

23033

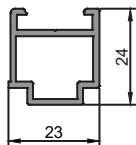
1.646 kg/m



hidden sash profile

23042

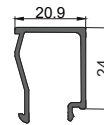
1.244 kg/m



Glazing bead adapter

21070

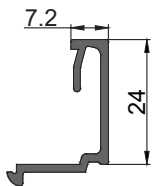
0.376 kg/m



Glazing bead

21504

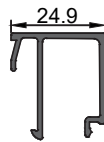
0.300 kg/m



Glazing bead

21501

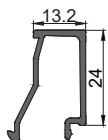
0.250 kg/m



Glazing bead

21505

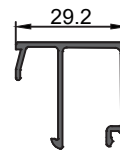
0.340 kg/m



Glazing bead

21502

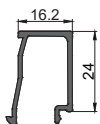
0.263 kg/m



Glazing bead

21506

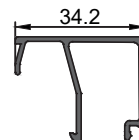
0.345 kg/m



Glazing bead

21503

0.280 kg/m



Glazing bead

21507

0.370 kg/m

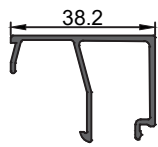


# HT-70

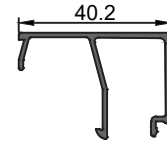
# WINDOW & DOOR SYSTEMS

Aluminium profiles:

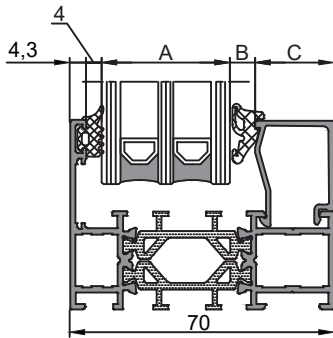
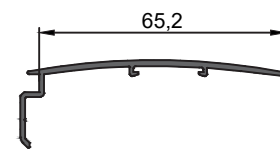
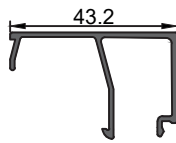
All weights in the range of  $\pm 5\%$



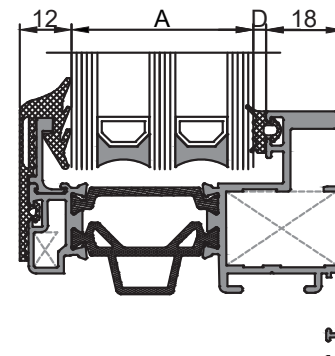
Glazing bead
21508
0.385 kg/m
Glazing bead
21511
0.410 kg/m



Glazing bead
21509
0.390 kg/m
Border profile
21551
0.390 kg/m













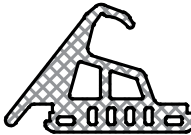
A (mm)	B	C	D	E
20	G 202	21507	G 202	21511
22	G 200	21507	G 201	21511
24	G 203	21506	G 202	21509
26	G 202	21506	G 200	21509
28	G 200	21506	G 200	21508
30	G 202	21505	G 201	21507
32	G 201	21505	G 200	21507
34	G 202	21504	G 202	21506
36	G 201	21504	G 201	21506
38	G 202	21503	G 203	21505
40	G 201	21503	G 202	21505
42	G 202	21502	G 200	21505
44	G 200	21502	G 201	21504
46	-	-	G 200	21504
48	-	-	G 202	21503



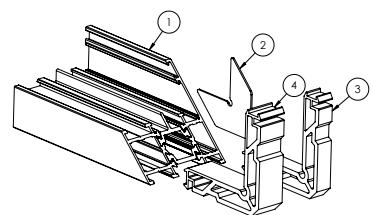
A (mm)	B	C	D	E
20	G 202	21507	G 202	21511
22	G 200	21507	G 201	21511
24	G 203	21506	G 202	21509
26	G 202	21506	G 200	21509
28	G 200	21506	G 200	21508
30	G 202	21505	G 201	21507
32	G 201	21505	G 200	21507
34	G 202	21504	G 202	21506
36	G 201	21504	G 201	21506
38	G 202	21503	G 203	21505
40	G 201	21503	G 202	21505
42	G 202	21502	G 200	21505
44	G 200	21502	G 201	21504
46	-	-	G 200	21504
48	-	-	G 202	21503



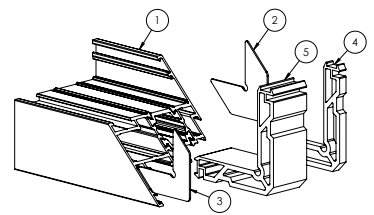
Gasket list:

	Exterior Gasket G 109		Interior Gasket G 202		Interior Gasket G 217
	Interior Gasket G 110		Interior Gasket G 203		Interior Gasket G 218
	Interior Gasket G 201		Exterior Gasket G 210		Exterior Gasket G 235
			Interior Gasket G 216		Central Gasket G 228

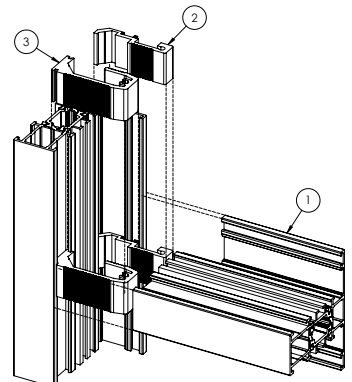
Technical sections of fittings:



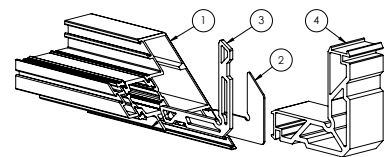
1	2	3	4
23001	21326	308-2	308-13
23002	21326	311-3	311-10
23003	21326	312-2	312-4



1	2	3	4	5
23008	21327	21327	308-14	308-3
23009	21327	21327	311-11	311-4
23010	21327	21327	312-3	312-5
23011	21326	21327	313-2	314-1



1	2	3
23015	320-1	
23016	320-2	
23017	320-3	



1	2	3	4
23041	21327	332-3	335-2





# HT-60



## Technical specifications:

Frame width:	60 mm
Sash width:	69 mm
Thermal insulation:	24 mm
Sash Glass thickness:	20 - 48 mm
Frame Glass thickness:	20 - 44 mm

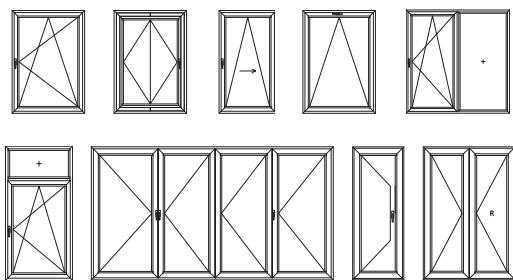


Series 60 Hinged System with intermediate section, suitable system for Tilt and Turn modes and medium thermal insulation with polyamide blades. This modular window and door system not only fulfils the mediumest demands for insulation; you will also be convinced of its elegant aesthetics. Various profile depths and grades of insulation ensure the flexibility required for planning.

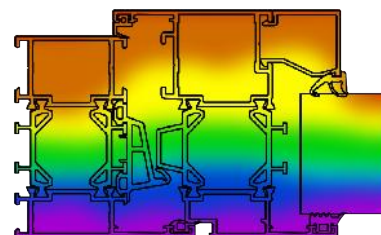
## Safety through tested quality:

Safety through tested quality:		HT-60 Sash glazing	HT-60 Hidden sash glazing
System values	Uf - value passive house	= 2.8 W/(m2K)	= 2.75 W/(m2K)
	Uf - value 1	≥ 2.8 W/(m2K)	≥ 2.75 W/(m2K)
	Overall depth	60 mm	60 mm
Anwendungen	Wall window	X	X
	Facade insert element	X	X
	Block wing		X

## Opening elements:



Thermal separation  
lowering energy, saving costs



U<sub>f</sub>: 2.8 w/(m<sup>2</sup>.k)

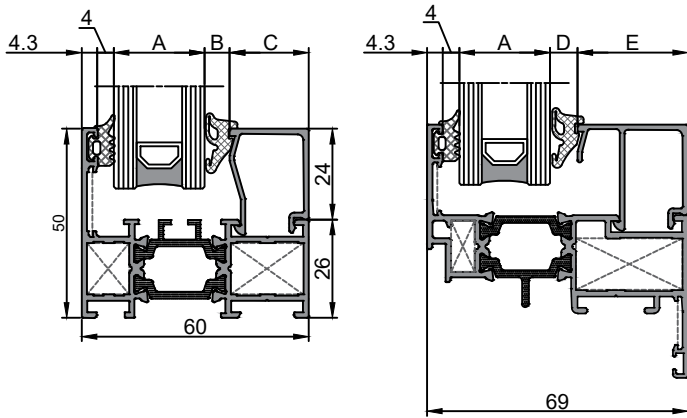




# HT-60

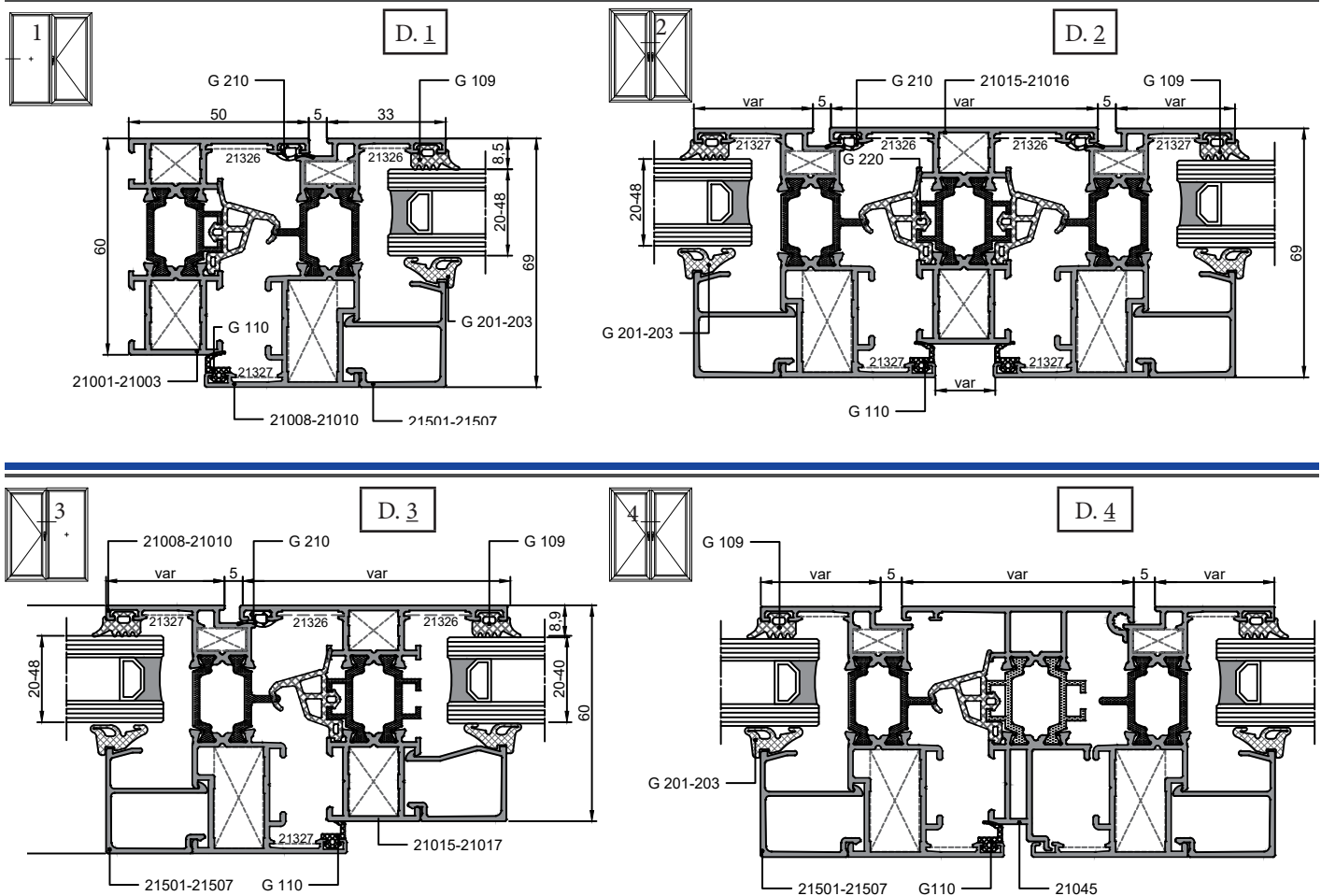
# WINDOW & DOOR SYSTEMS

The exact dimensions of the glass and its related rubber:



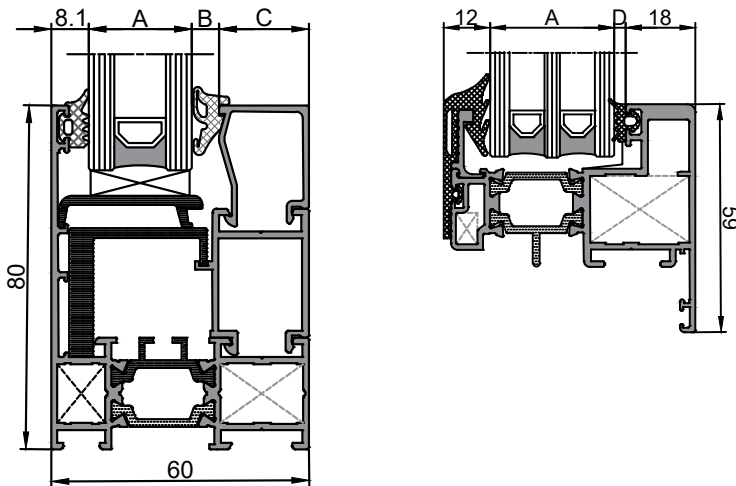
A (mm)	B	C	D	E
20	G 202	21505	G 201	21507
22	G 201	21505	G 200	21507
24	G 202	21504	G 202	21506
26	G 201	21504	G 201	21506
28	G 202	21503	G 203	21505
30	G 201	21503	G 201	21505
32	G 202	21502	G 203	21504
34	G 201	21502	G 201	21504
36	G 203	21501	G 200	21504
38	G 202	21501	G 202	21503
40	G 201	21501	G 200	21503
42	-	-	G 201	21502
44	-	-	G 200	21502
46	-	-	G 202	21501
48	-	-	G 201	21501

Aluminium windows HT-60  
Frame ,sash and mullion section



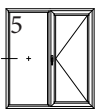


The exact dimensions of the glass and its related rubber:

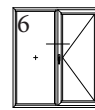
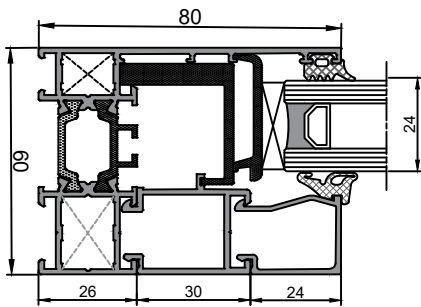


A (mm)	B	C	D
20	G 203	21507	-
22	G 202	21507	G 218
24	G 201	21507	G 217
26	G 203	21506	G 216
28	G 202	21506	G 215
30	G 203	21505	G 109
32	G 202	21505	-
34	G 203	21504	-
36	G 202	21504	-
38	G 203	21503	-
40	G 202	21503	-

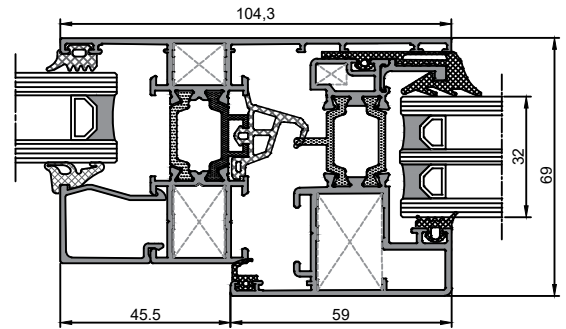
Aluminium windows 60 mm  
Frame ,sash and mullion section for hidden sash



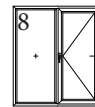
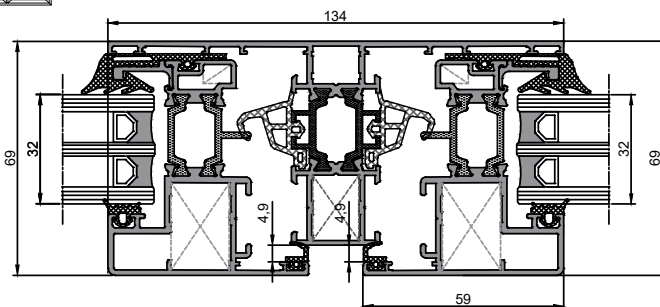
D. 5



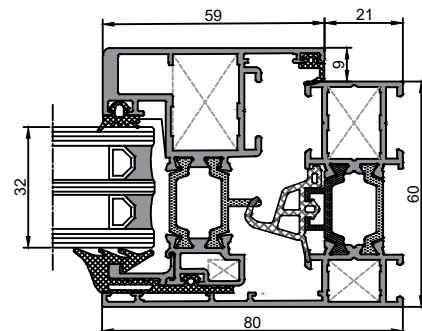
D. 6



D. 7



D. 8



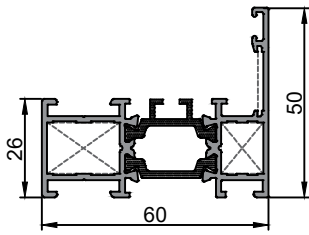


# HT-60

# WINDOW & DOOR SYSTEMS

Aluminium profiles:

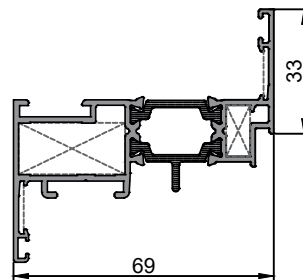
All weights in the range of  $\pm 5\%$



Frame profile

21001

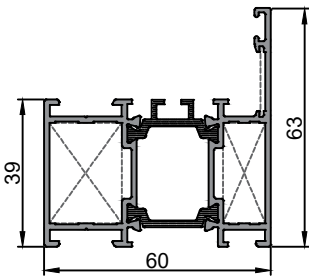
1.128 kg/m



Sash profile

21008

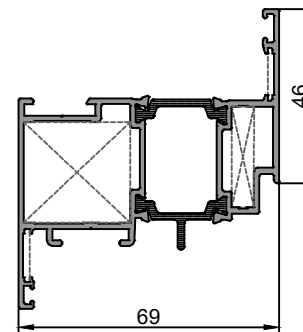
1.218 kg/m



Frame profile

21002

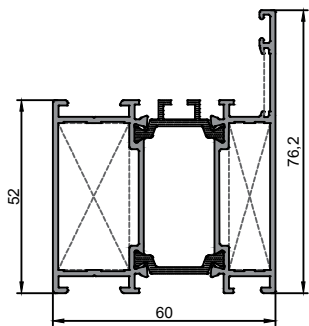
1.322 kg/m



Sash profile

21009

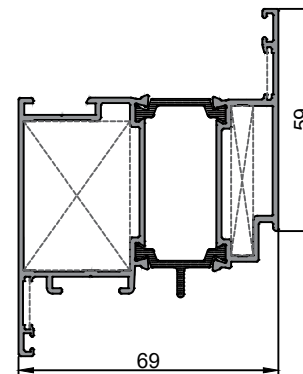
1.428 kg/m



Frame profile

21003

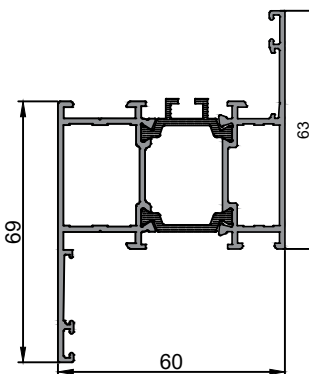
1.519 kg/m



Sash profile

21010

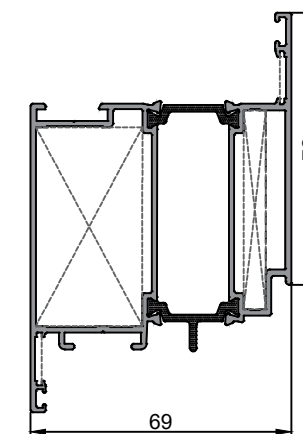
1.630 kg/m



Z frame profile

21006

1.527 kg/m



Sash profile

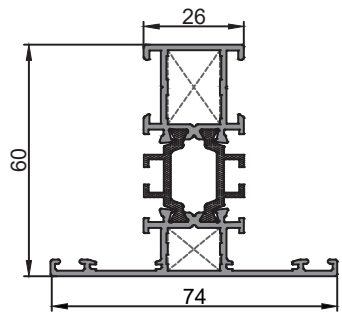
21011

1.830 kg/m

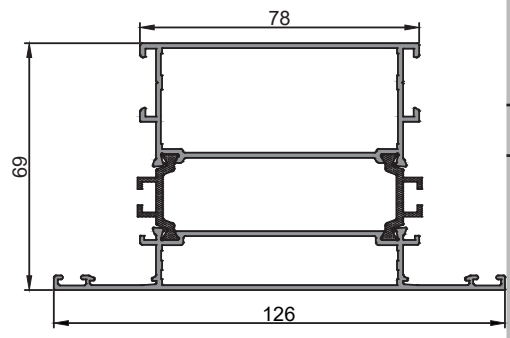


Aluminium profiles:

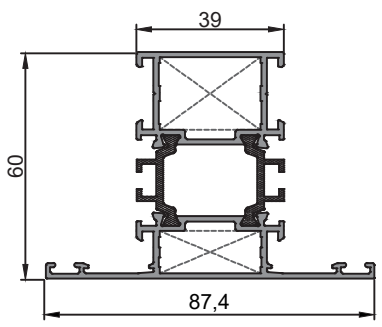
All weights in the range of  $\pm 5\%$



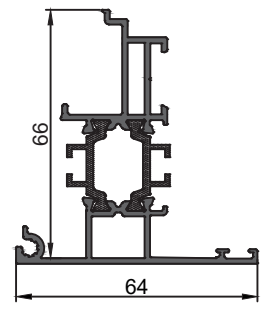
Mullion profile
21015
1.245 kg/m



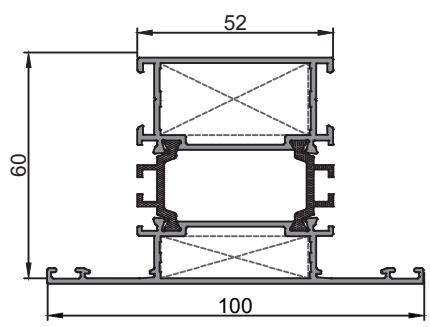
Mullion & Bottom rail profile
21025
2.134 kg/m



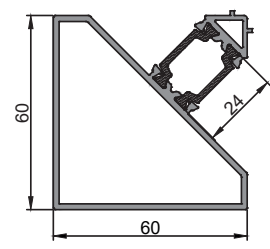
Mullion profile
21016
1.403 kg/m



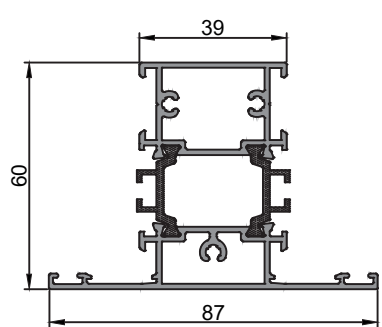
Double casement adapter profile
21045
1.168 kg/m



Mullion profile
21017
1.578 kg/m



Corner profile
21060
1.671 kg/m



Mullion profile
21019
1.639 kg/m

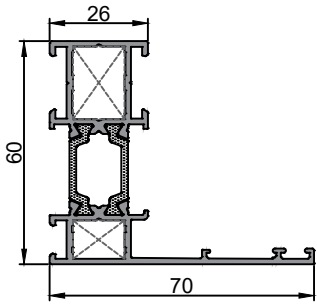


# HT-60

# WINDOW & DOOR SYSTEMS

Aluminium profiles hidden vent:

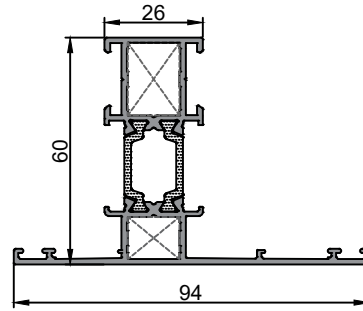
All weights in the range of  $\pm 5\%$



Frame profile for hidden sash

21031

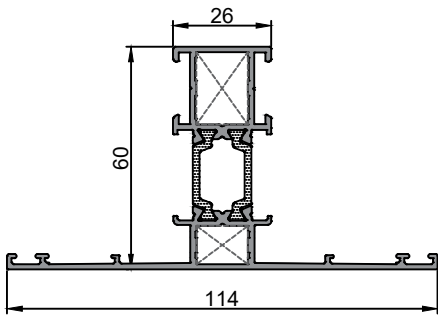
1.433 kg/m



Frame profile for hidden sash

21032

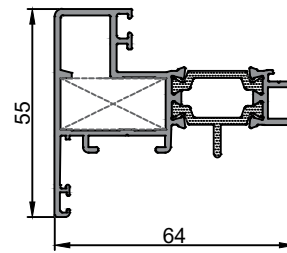
1.553 kg/m



Frame profile for hidden sash

21033

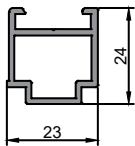
1.646 kg/m



hidden sash profile

21042

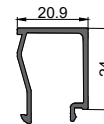
1.244kg/m



Glazing bead adapter

21070

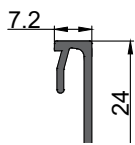
0.376 kg/m



Glazing bead

21504

0.300 kg/m



Glazing bead

21501

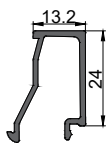
0.250 kg/m



Glazing bead

21505

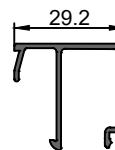
0.340 kg/m



Glazing bead

21502

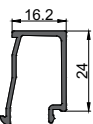
0.263 kg/m



Glazing bead

21506

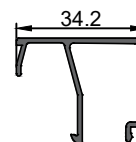
0.345 kg/m



Glazing bead

21503

0.280 kg/m



Glazing bead

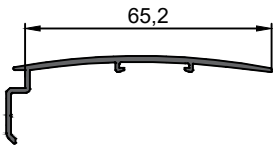
21507

0.370 kg/m

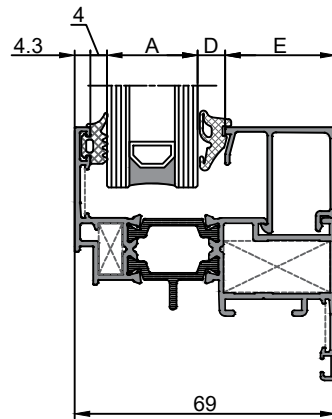


Aluminium profiles:

All weights in the range of  $\pm 5\%$



Border profile
21551
0.390 kg/m



A (mm)	B	C	D	E
20	G 202	21505	G 201	21507
22	G 201	21505	G 200	21507
24	G 202	21504	G 202	21506
26	G 201	21504	G 201	21506
28	G 202	21503	G 203	21505
30	G 201	21503	G 201	21505
32	G 202	21502	G 203	21504
34	G 201	21502	G 201	21504
36	G 203	21501	G 200	21504
38	G 202	21501	G 202	21503
40	G 201	21501	G 200	21503
42	-	-	G 201	21502
44	-	-	G 200	21502
46	-	-	G 202	21501
48	-	-	G 201	21501

A (mm)	B	C	D	E
20	G 202	21505	G 201	21507
22	G 201	21505	G 200	21507
24	G 202	21504	G 202	21506
26	G 201	21504	G 201	21506
28	G 202	21503	G 203	21505
30	G 201	21503	G 201	21505
32	G 202	21502	G 203	21504
34	G 201	21502	G 201	21504
36	G 203	21501	G 200	21504
38	G 202	21501	G 202	21503
40	G 201	21501	G 200	21503
42	-	-	G 201	21502
44	-	-	G 200	21502
46	-	-	G 202	21501
48	-	-	G 201	21501



# HT-60

# WINDOW & DOOR SYSTEMS

Gasket list:



Exterior Gasket  
G 109



Interior Gasket  
G 110



Interior Gasket  
G 201



Interior Gasket  
G 202



Interior Gasket  
G 203



Exterior Gasket  
G 210



Interior Gasket  
G 216



Interior Gasket  
G 217



Interior Gasket  
G 218

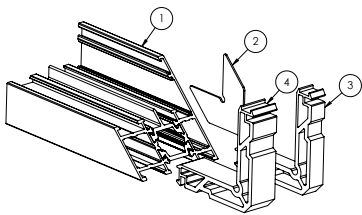


Exterior Gasket  
G 235

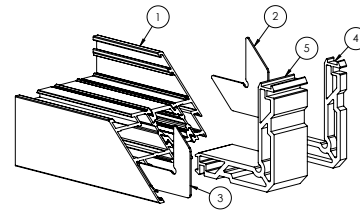


Central Gasket  
G 229

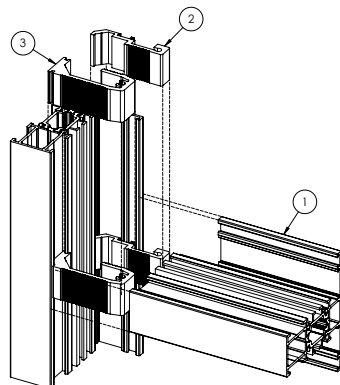
Technical sections of fittings:



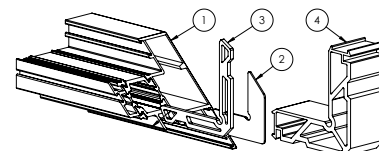
1	2	3	4
21001	21326	308-2	308-13
21002	21326	311-3	311-10
21003	21326	312-2	312-4



1	2	3	4	5
21008	21327	21327	308-14	308-3
21009	21327	21327	311-11	311-4
21010	21327	21327	312-3	312-5
21011	21326	21327	313-2	314-1



1	2	3
21015	320-1	
21016	320-2	
21017	320-3	



1	2	3	4
21041	21327	332-3	335-2





# HN-55

# WINDOW & DOOR SYSTEMS

### Technical specifications:

Frame width:	55 mm
Sash width:	64 mm
Sash Glass thickness:	6 - 34 mm
Frame Glass thickness:	6 - 34 mm

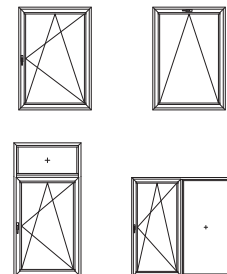


HN-55 offers an extensive range of non-insulated profiles for the construction of elegant and moderately priced aluminium frames in functional style. There fore HN-55 is the ideal system for outdoor applications in warm climates but it can also be used for the partitioning of indoor office spaces.

### Safety through tested quality:

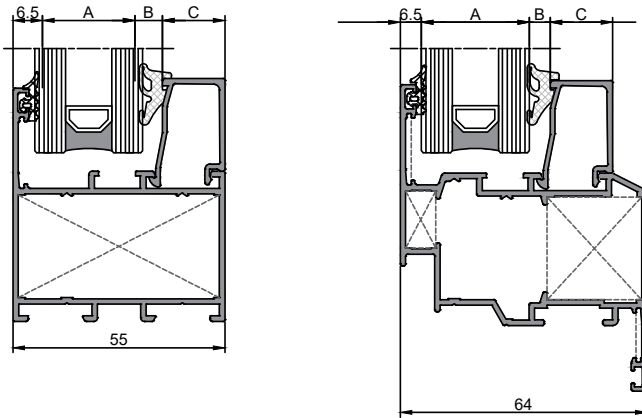
Safety through tested quality:		HN-55 Sash glazing
System values	Uf - value passive house	= 5.8 W/(m2K)
	Uf - value 1	≥ 5.8 W/(m2K)
	Overall depth	55 mm
Anwendungen	Wall window	X
	Facade insert element	X
	Block wing	

### Opening elements:



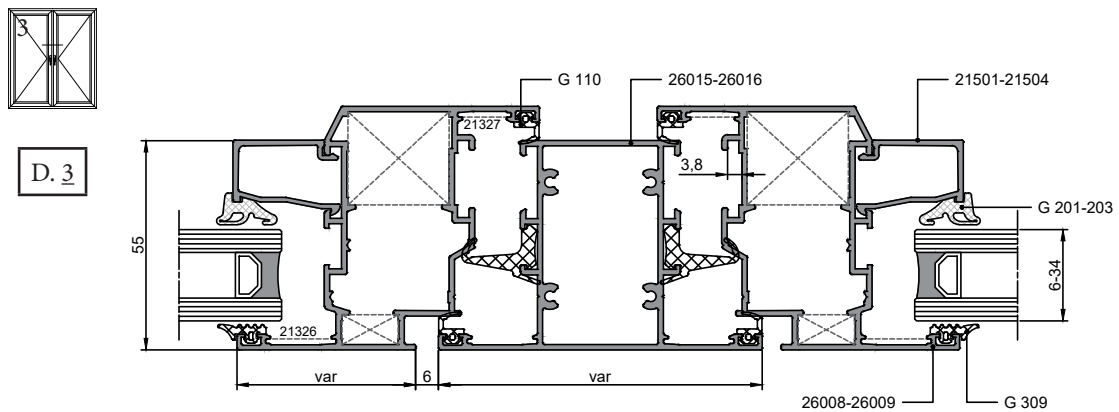
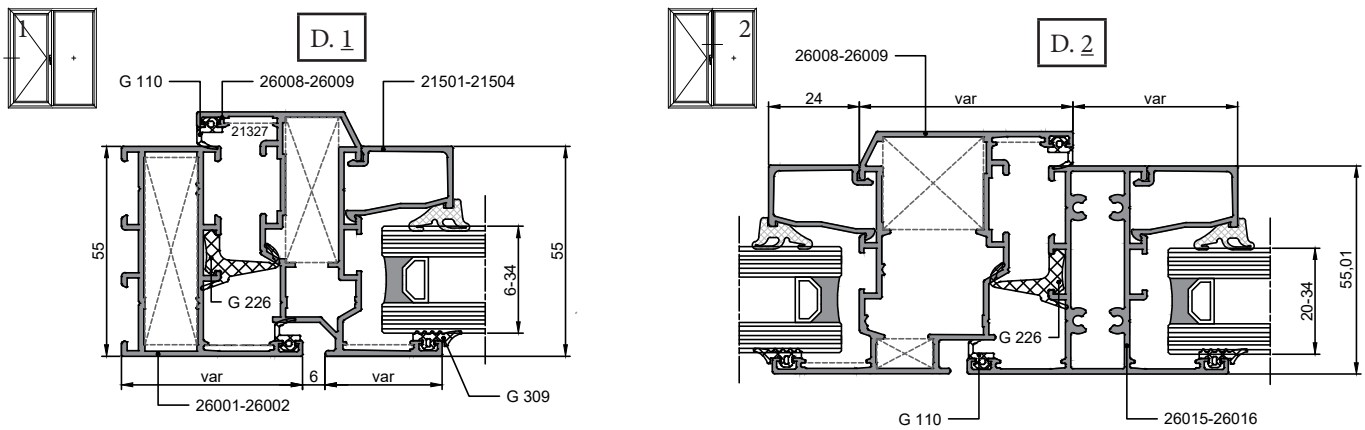


The exact dimensions of the glass and its related rubber:



A (mm)	B	C
6	G 203	21507
8	G 202	21507
10	G 200	21507
12	G 202	21506
14	G 201	21506
16	G 203	21505
18	G 201	21505
20	G 203	21504
22	G 201	21504
24	G 203	21503
26	G 202	21503
28	G 202	21502
30	G 201	21502
32	G 203	21501
34	G 202	21501

**Aluminium windows HN-55**  
Frame ,sash and mullion section



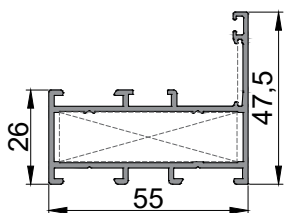


# HN-55

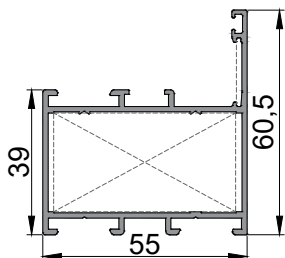
# WINDOW & DOOR SYSTEMS

Aluminium profiles:

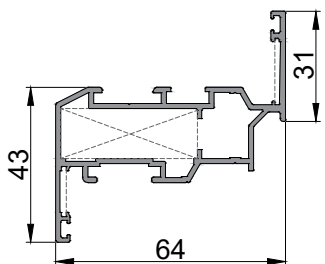
All weights in the range of  $\pm 5\%$



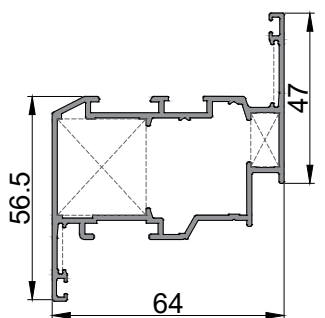
Frame profile
26001
0.844 kg/m



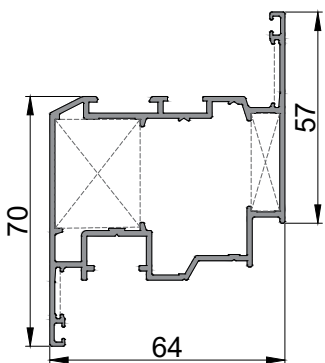
Frame profile
26002
0.951 kg/m



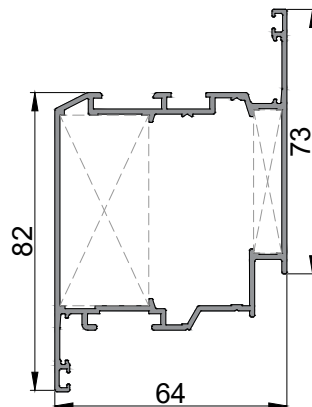
Sash profile
26008
1.022 kg/m



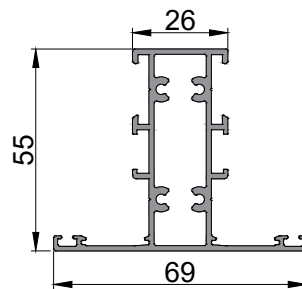
Sash profile
26009
1.160 kg/m



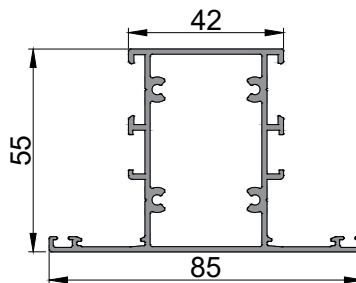
Sash profile
26010
1.311 kg/m



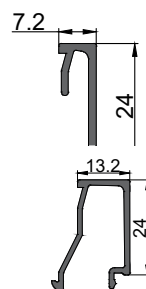
Sash profile
26011
1.364 kg/m



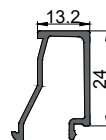
Mullion profile
26015
0.951 kg/m



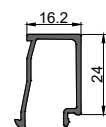
Mullion profile
26016
1.229 kg/m



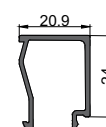
Glazing bead
21501
0.251 kg/m



Glazing bead
21502
0.265 kg/m



Glazing bead
21503
0.280 kg/m



Glazing bead
21504
0.300 kg/m



Gasket list:



Interior Gasket G 201
Interior Gasket G 202



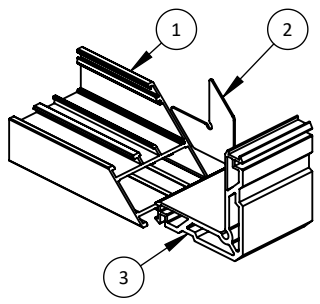
Exterior Gasket G 203
Interior Gasket G 210



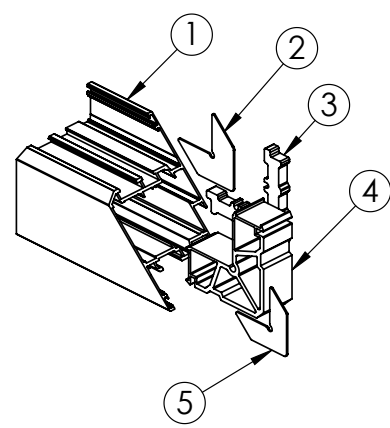
Exterior Gasket G 226
Central Gasket G 309



Technical sections of fittings:



1	26001	26002
2	21326	21326
3	308-18	311-8



1	26008	26009	26010	26010
2	21326	21326	21326	21326
3	-	317-2	311-9	312-6
4	308-5	311-12	316-3	314-5
5	21327	21327	21327	21327





# LST-135

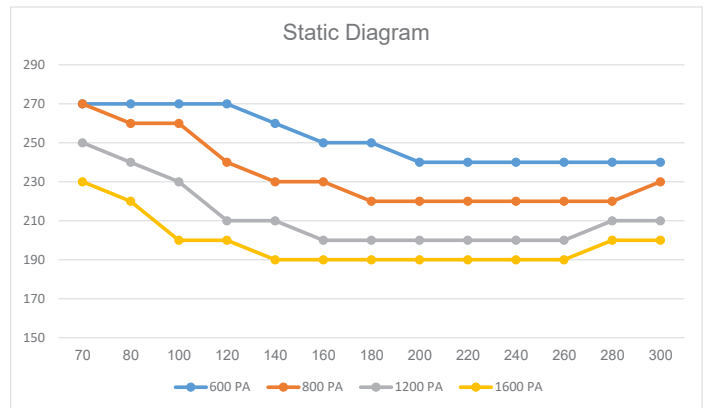
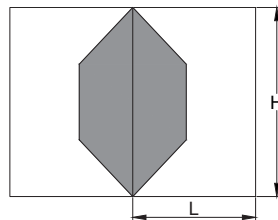
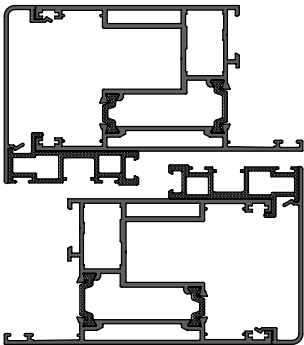


## Technical Specifications:

Frame width:	135 mm
Sash width:	55 mm
Sash Glass thickness:	20 - 38 mm
Frame Glass thickness:	20 - 44 mm
Weight limit:	300 kg

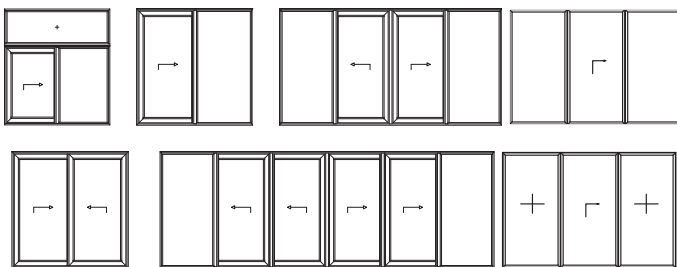


LST-135 is a thermally insulated sliding system with a vent weight up to 300 kg and height up to 3 metres. The sophisticated concept fulfills the user's high expectations of optimum quality, high insulation and ease of operation. The system is available with a low threshold that creates a perfect continuity between the indoor and outdoor spaces and improves the accessibility to the building.

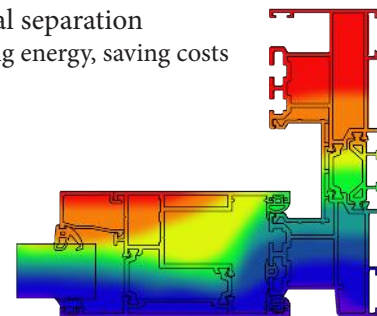


Total  $J_x$  : 49,2    Maximum weigh : 300 kg/m

## OPENING ELEMENTS:



Thermal separation  
lowering energy, saving costs



$U_f$ : 3.1 w/(m<sup>2</sup>.k)

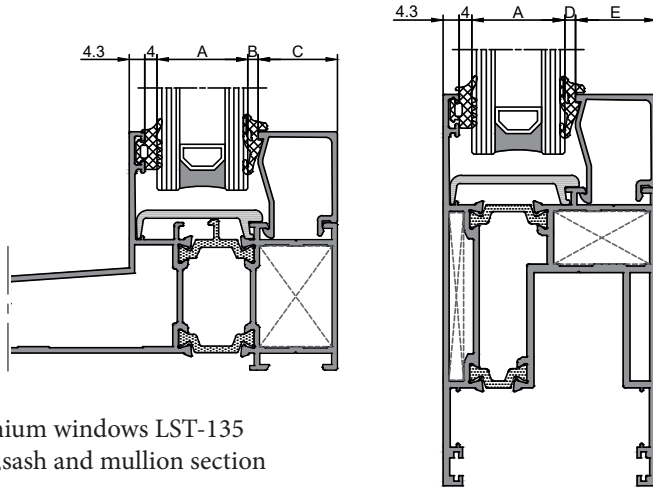




# LST-135

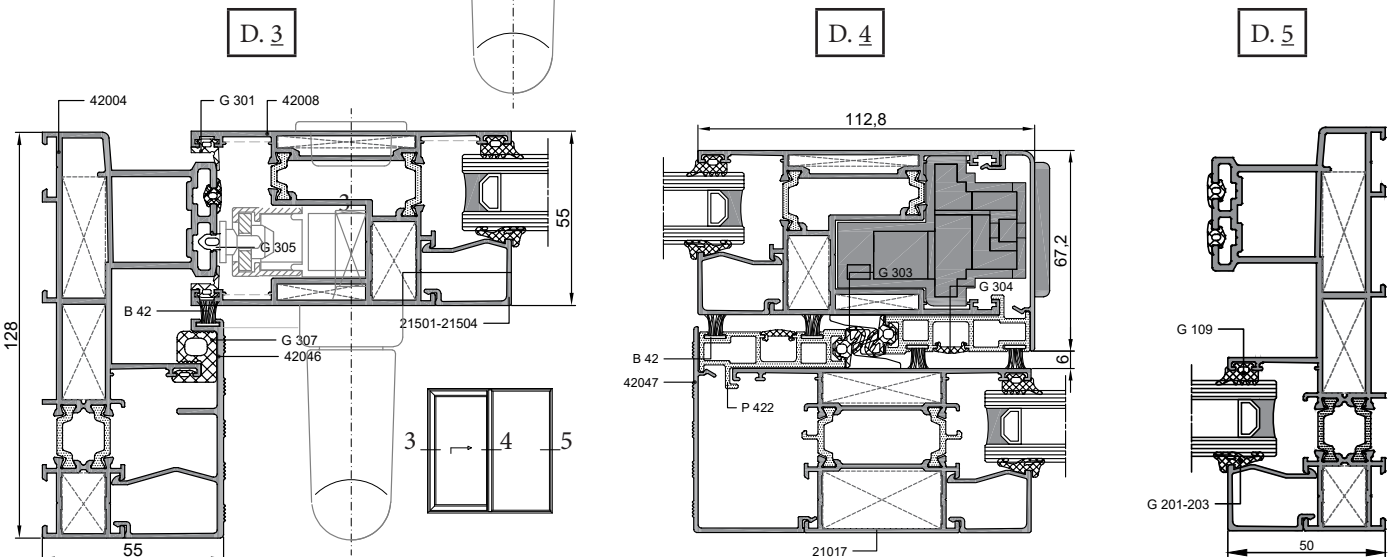
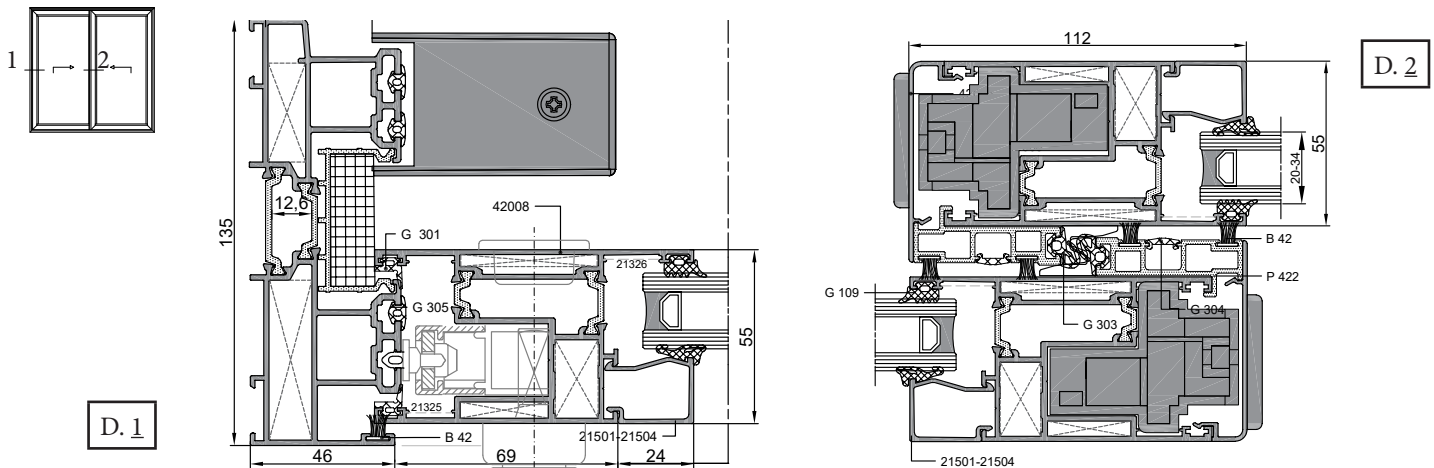
# SLIDING SYSTEMS

The exact dimensions of the glass and its related rubber:



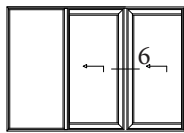
A (mm)	B	C	D	E
20	G 201	21504	G 201	21504
22	G 203	21503	G 203	21503
24	G 202	21503	G 202	21503
26	G 202	21502	G 202	21502
28	G 201	21502	G 201	21502
30	G 200	21502	G 200	21502
32	G 202	21501	G 202	21501
34	G 201	21501	G 201	21501

Aluminium windows LST-135  
Frame ,sash and mullion section

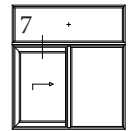
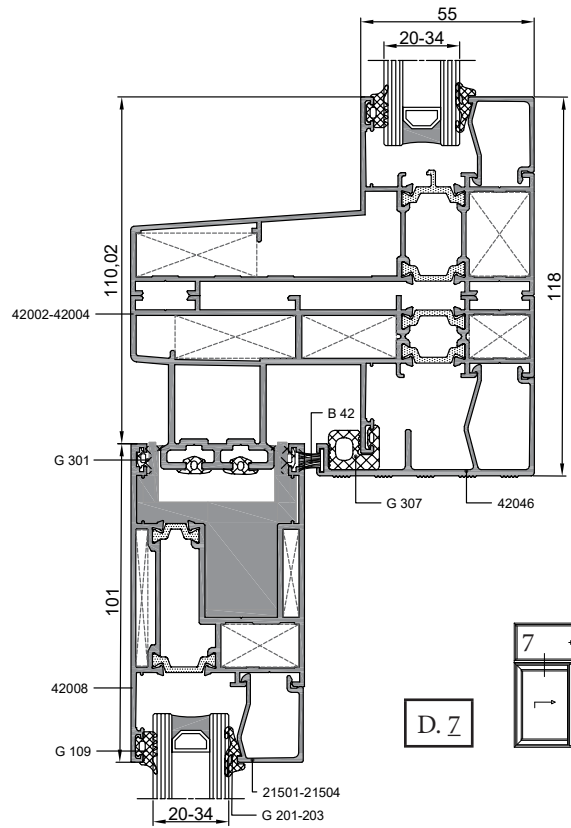
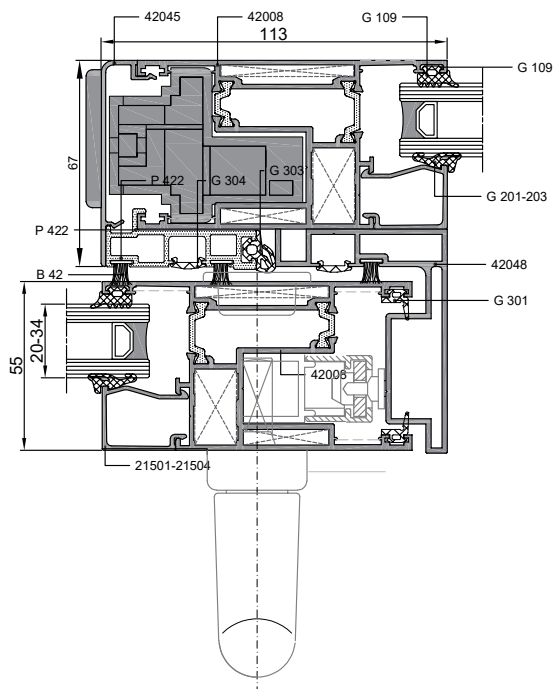




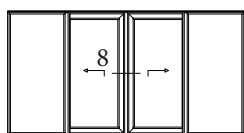
Aluminium windows LST-135 mm  
Frame ,sash and mulin section:



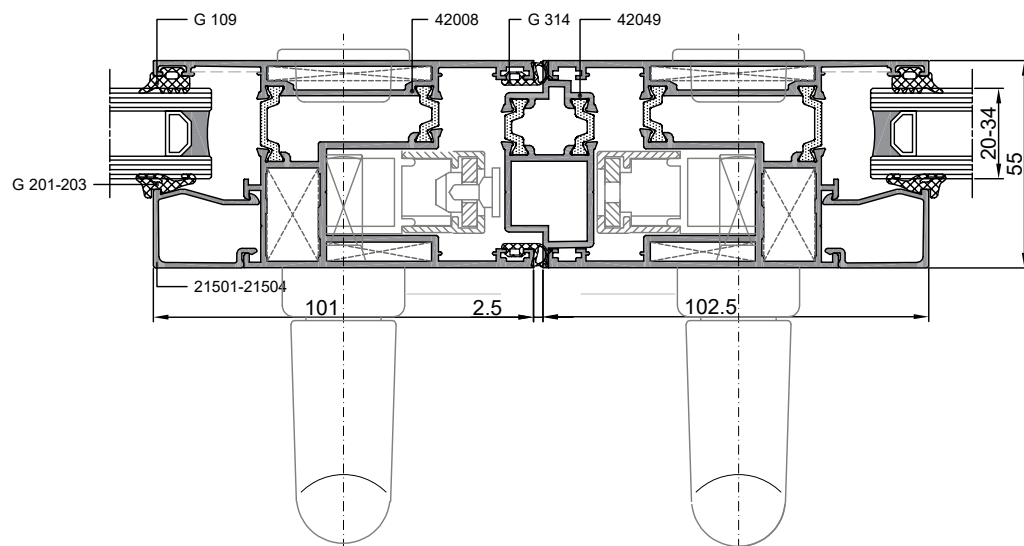
D. 6



D. 7



D. 8

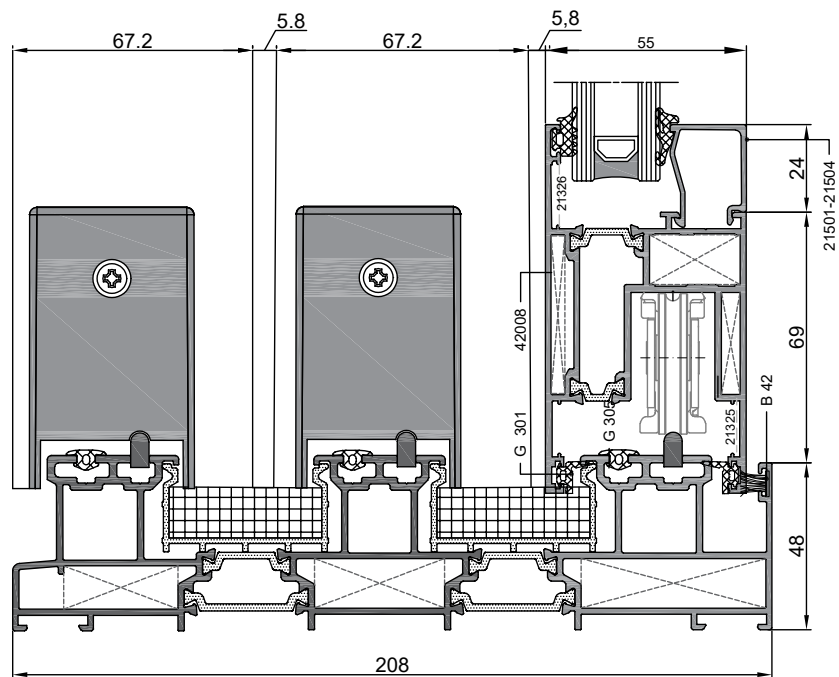
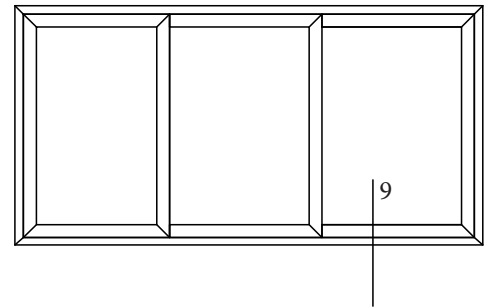




# LST-135

# SLIDING SYSTEMS

Aluminium windows LST-135 mm  
 Frame ,sash and mulin section:

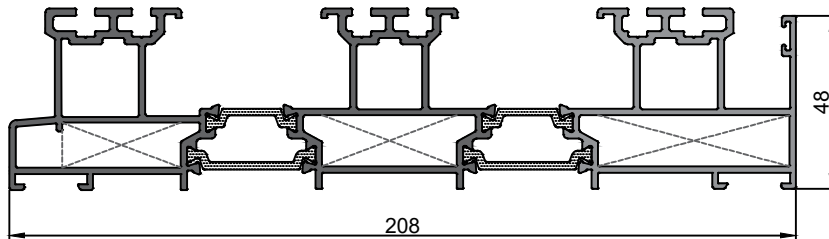


D. 9

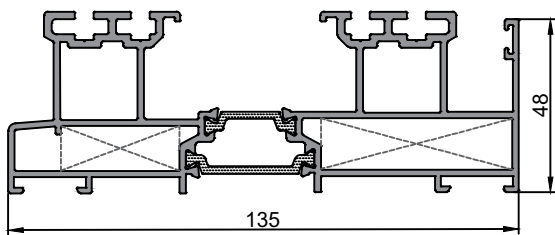


Aluminium profiles and accessories:

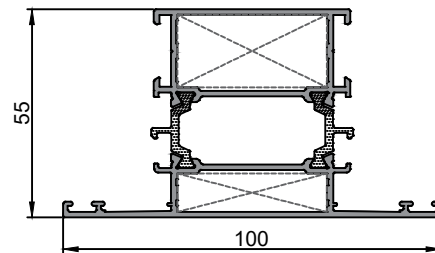
All weights in the range of  $\pm 5\%$



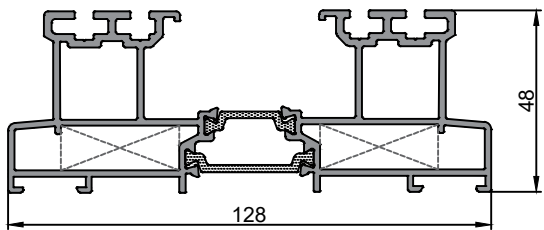
Frame profile
42003
4.270 kg/m



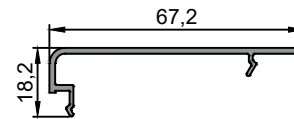
Frame profile
42001
2.973 kg/m



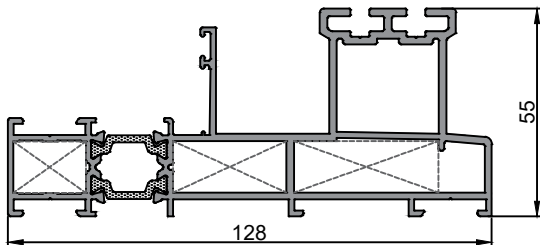
Mullion profile
42017
1.580 kg/m



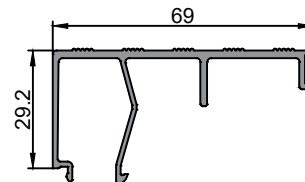
Frame profile
42002
2.801 kg/m



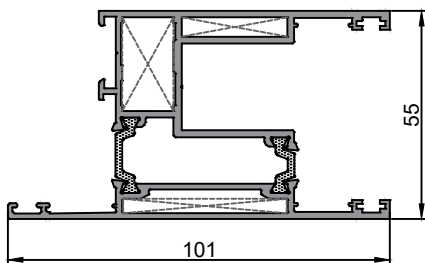
Cover Sash
42045
0.336 kg/m



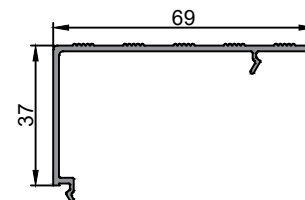
Frame profile
42004
2.485 kg/m



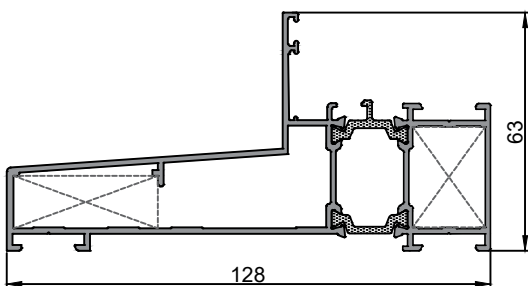
Cover Sash
42046
0.748 kg/m



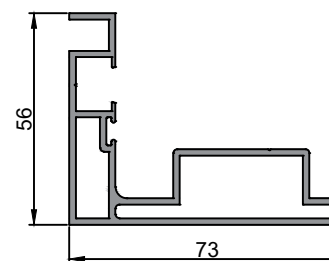
Sash profile
42008
2.061 kg/m



Cover Sash
42047
0.493 kg/m



Adapter profile
42012
1.896 kg/m



Adapter for tree sash
42048
1.298 kg/m

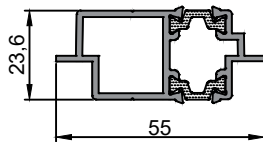


# LST-135

# SLIDING SYSTEMS

Aluminium profiles and accessories:

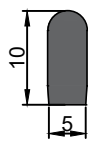
All weights in the range of  $\pm 5\%$



looking profile

42049

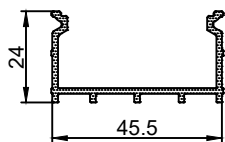
0.794 kg/m



Central cramp profile

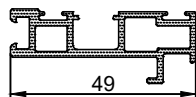
42306

0.310 kg/m



Central channel profile

P 421



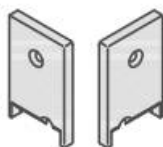
Frame profile for hidden sash

P 422



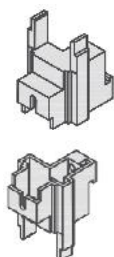
Sash cover profile springy top cap

AP 020



Sash cover profile fixed bottom cap

AP 021



Sash top left support  
Sash bottom left support

AP 022



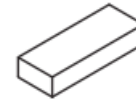
Sash top right support  
Sash bottom right support

AP 023



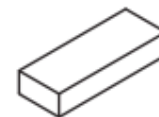
Bottom impermeability element

AP 24  
160\*30\*23



Bottom impermeability element

AP 25  
160\*40\*23



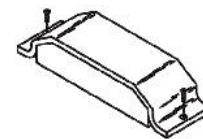
Top impermeability element

AP 26  
160\*30\*30



Top impermeability element

AP 27  
160\*40\*30



Sash Adapter profile top

AP 040



Glazing bearing support

AP 048





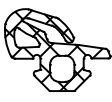






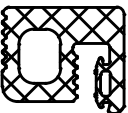


Sash stopper support  
AP 060

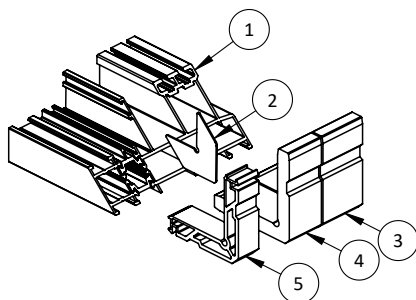


Cramp connection lock element  
11222

Gasket list:

	Glazing gasket G 109		Interior Gasket G 203		Inner overlap G 303
	Interior Gasket G 201		Sash overlap gasket G 301		Channel cover gasket G 304
	Interior Gasket G 202		Sash overlap gasket G 302		Interior Gasket G 305
	Frame cover profile support gasket G 307				

Technical sections of fittings:

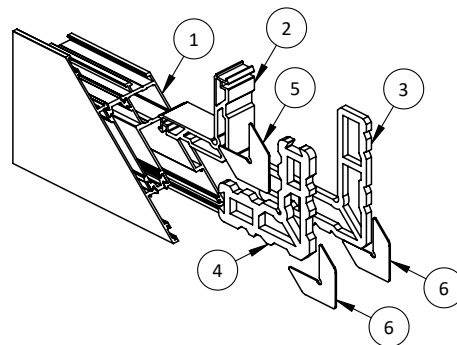


1	2	3	4	5
42001	21326	308-5	308-6	308-2

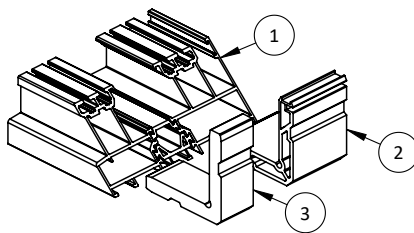


# LST-135

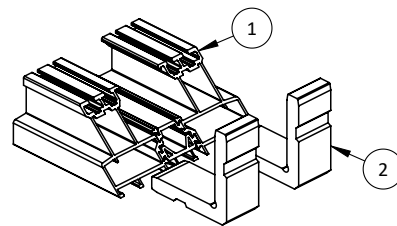
Technical sections of fittings:



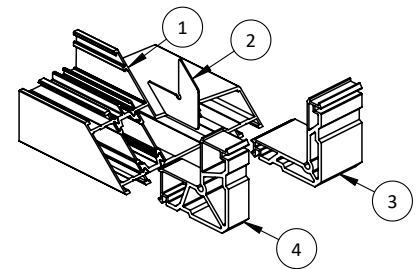
1	2	3	4	5	6
42008	308-6	318-1	316-2	21326	21325



1	2	3
42001	308-10	306-1



1	2
42002	306-1



1	2	3	4
42012	21326	308-5	311-3





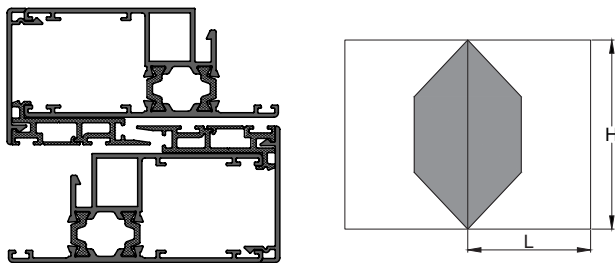
# BST-90

Technical specifications:

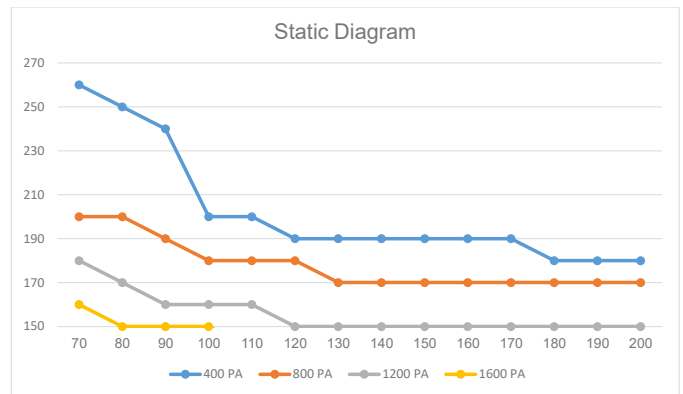
Frame width:	90 mm
Sash width:	36 mm
Thermal insulation:	24 mm
Sash Glass thickness:	12 - 24 mm
Weight limit:	150 kg



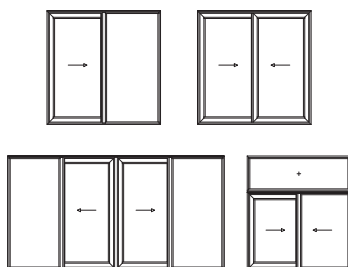
The BST-90 is an insulated sliding system that has been designed to respond to new demands for insulation, aesthetics and security. The outer rail has 2 main advantages: invisible drainage from the outside and discrete water channelling on the inside. Frame and vent are designed in softline look.



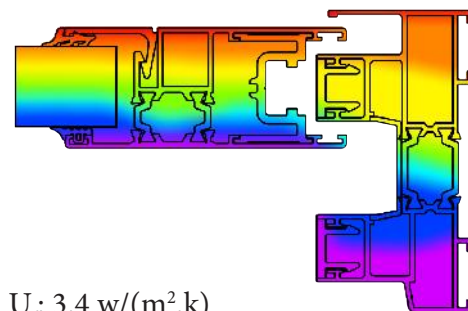
Total  $J_x$  : 17    Maximum weigh : 150 kg/m



Opening elements:



Thermal separation  
lowering energy, saving costs

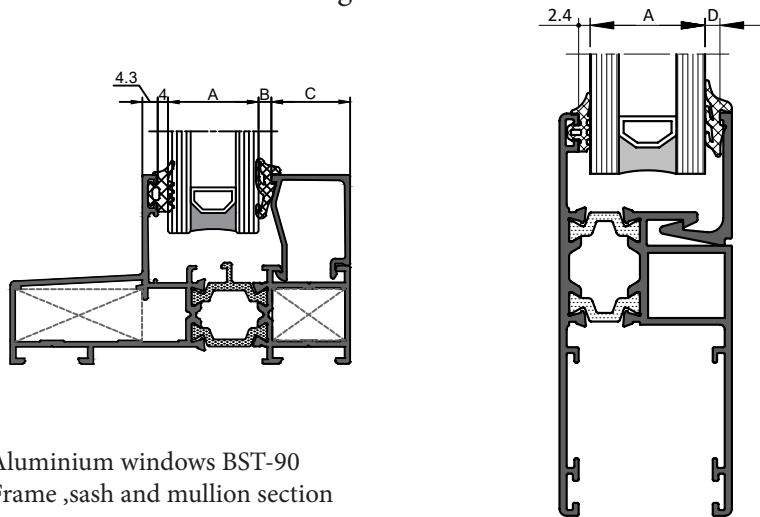


$U_f$ : 3.4 w/(m<sup>2</sup>.k)



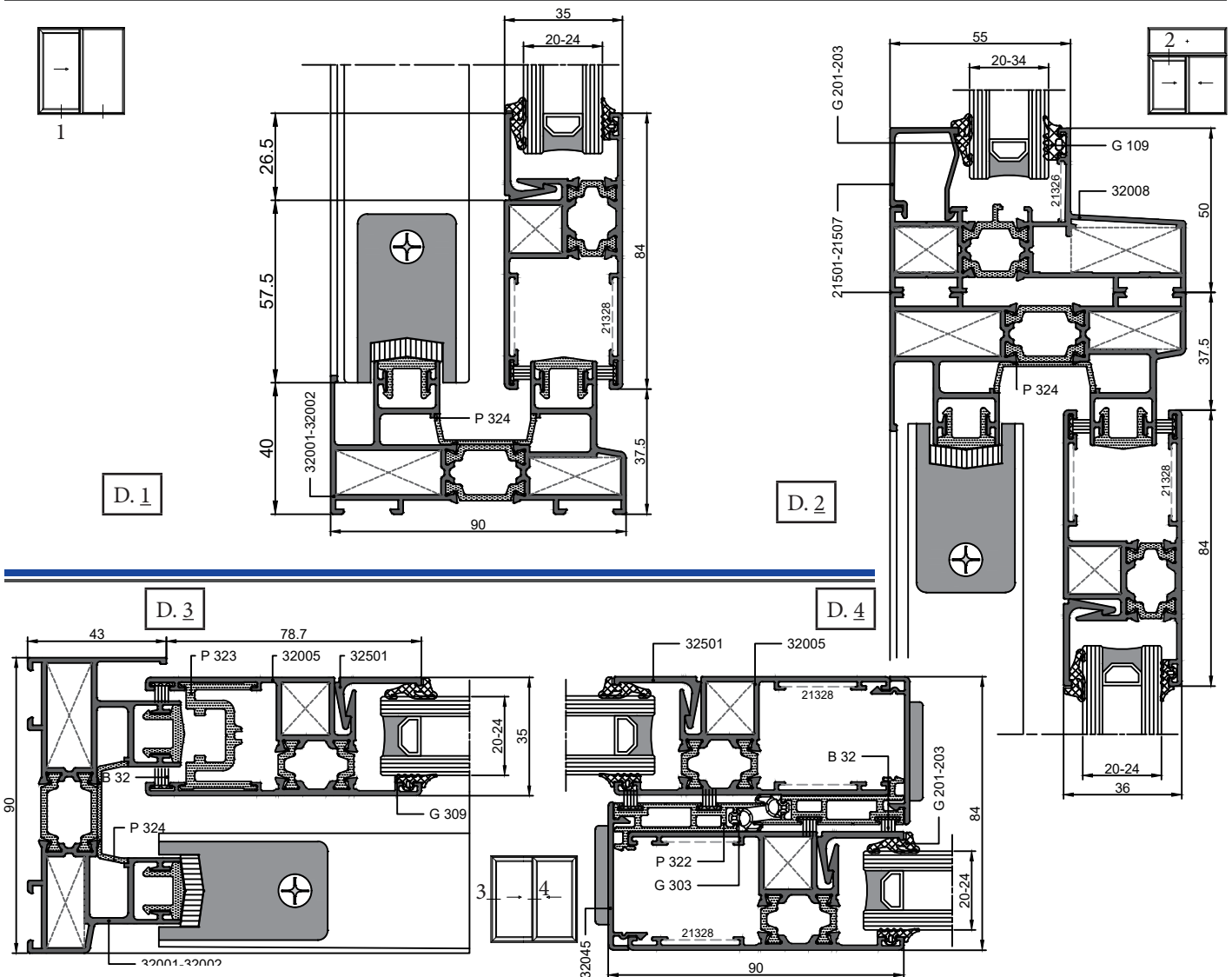


The exact dimensions of the glass and its related rubber:



A (mm)	B	C	D
20	G 201	21504	G 202
22	G 203	21503	G 201
24	G 202	21503	G 200
26	G 202	21502	-
28	G 201	21502	-
30	G 200	21502	-
32	G 202	21501	-
34	G 201	21501	-

Aluminium windows BST-90  
Frame ,sash and mullion section





# BST-90

Aluminium profiles and accessories:

All weights in the range of  $\pm 5\%$



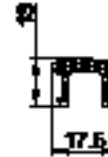
Frame profile
32001
1.690 kg/m



Glazing bead profile
32501
0.190 kg/m



Frame profile
32002
1.825 kg/m



Channel closing profile
P 321



Sash profile
32005
1.256 kg/m



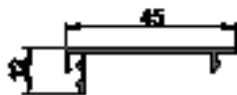
PVC labyrinth profile
P 322



Adapter profile
32008
1.445 kg/m



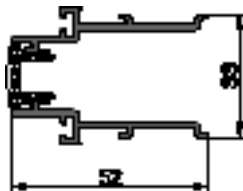
PVC Cermone channel
P 323



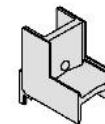
Cover profile
32045
0.251 kg/m



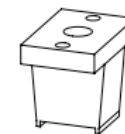
Sash closing plug
AP030



locking profile
32049
0.762 kg/m



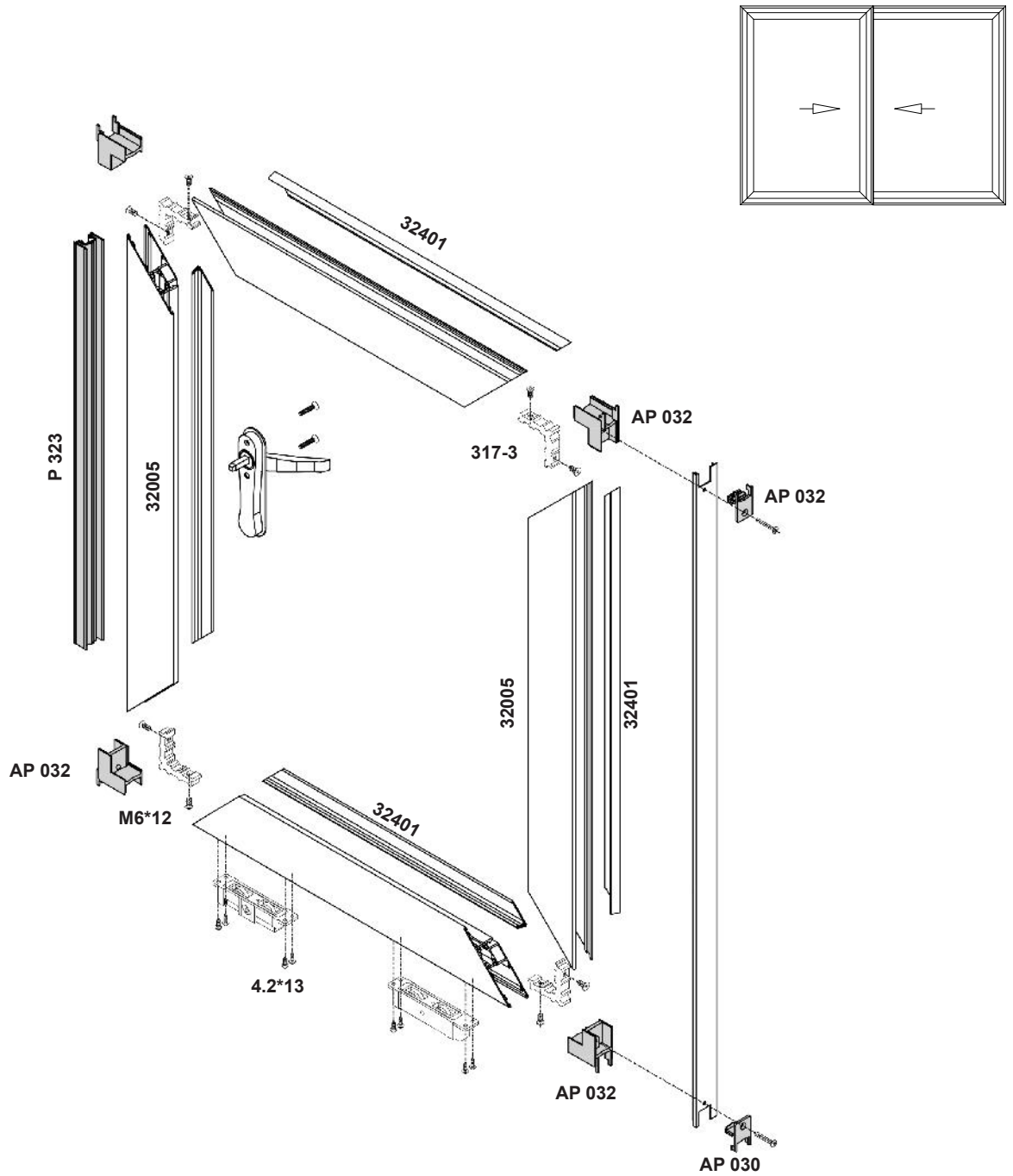
Corner cleat for sash
AP032



Sash stopper support
AP050


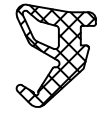








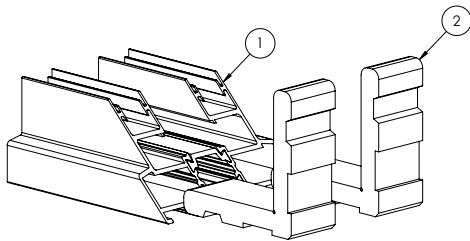
Multipoint locking sash assembling diagram



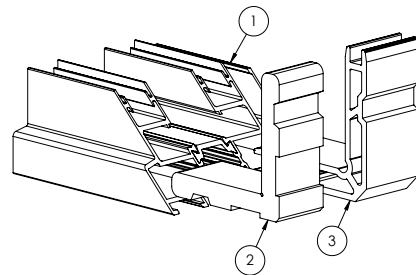
# BST-90

Gasket list:

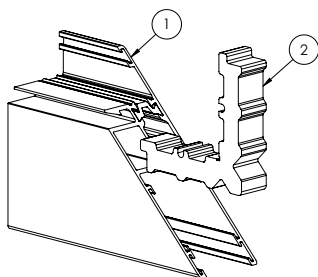
	Brush gasket B 32		Interior Gasket G 202		Interior Gasket G 308		Glazing gasket G 109
	Interior Gasket G 201		Interior Gasket G 203		Glazing gasket G 309		4 sash central gasket G 110



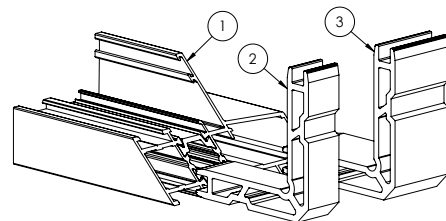
1	2
32001	306-3



1	2	3
32002	306-3	308-11



1	2
32005	317-3



1	2	3
32008	308-2	308-16



Correction The exact dimensions of the glass and its related rubber:

## HT-70



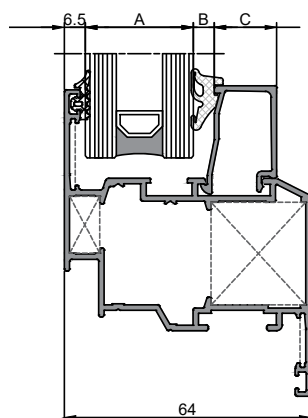
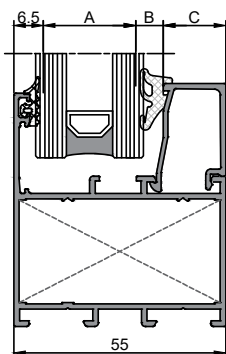
A (mm)	B	C	D	E
20	G 202	21507	G 202	21511
22	G 200	21507	G 201	21511
24	G 203	21506	G 202	21509
26	G 202	21506	G 200	21509
28	G 200	21506	G 200	21508
30	G 202	21505	G 201	21507
32	G 201	21505	G 200	21507
34	G 202	21504	G 202	21506
36	G 201	21504	G 201	21506
38	G 202	21503	G 203	21505
40	G 201	21503	G 202	21505
42	G 202	21502	G 200	21505
44	G 200	21502	G 201	21504
46	-	-	G 200	21504
48	-	-	G 202	21503

## HT-60



A (mm)	B	C	D	E
20	G 202	21505	G 201	21507
22	G 201	21505	G 200	21507
24	G 202	21504	G 202	21506
26	G 201	21504	G 201	21506
28	G 202	21503	G 203	21505
30	G 201	21503	G 201	21505
32	G 202	21502	G 203	21504
34	G 201	21502	G 201	21504
36	G 203	21501	G 200	21504
38	G 202	21501	G 202	21503
40	G 201	21501	G 200	21503
42	-	-	G 201	21502
44	-	-	G 200	21502
46	-	-	G 202	21501
48	-	-	G 201	21501

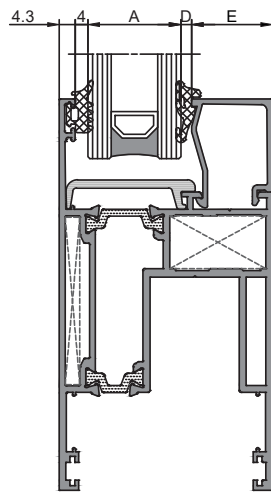
## HN-55



A (mm)	B	C
6	G 203	21507
8	G 202	21507
10	G 200	21507
12	G 202	21506
14	G 201	21506
16	G 203	21505
18	G 201	21505
20	G 203	21504
22	G 201	21504
24	G 203	21503
26	G 202	21503
28	G 202	21502
30	G 201	21502
32	G 203	21501
34	G 202	21501

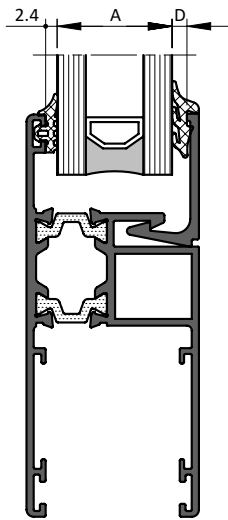
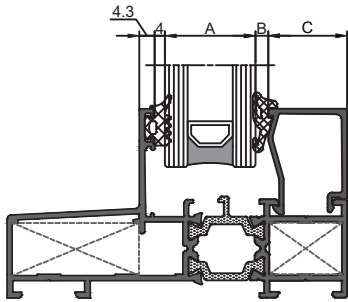
Correction The exact dimensions of the glass and its related rubber:

### LST-135



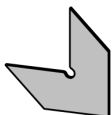
A (mm)	B	C	D	E
20	G 201	21504	G 201	21504
22	G 203	21503	G 203	21503
24	G 202	21503	G 202	21503
26	G 202	21502	G 202	21502
28	G 201	21502	G 201	21502
30	G 200	21502	G 200	21502
32	G 202	21501	G 202	21501
34	G 201	21501	G 201	21501

### BST-90

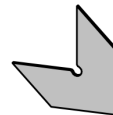


A (mm)	B	C	D
20	G 201	21504	G 202
22	G 203	21503	G 201
24	G 202	21503	G 200
26	G 202	21502	-
28	G 201	21502	-
30	G 200	21502	-
32	G 202	21501	-
34	G 201	21501	-

Correction Technical sections of fittings:



No.	Description
21327	Connector Profile Size: 13.5



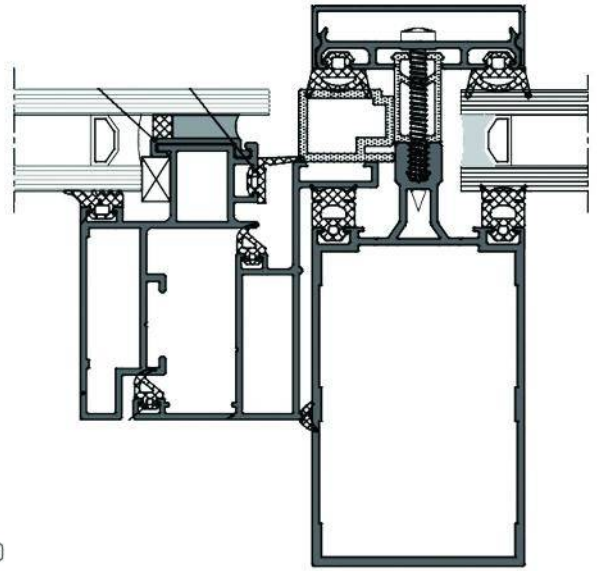
No.	Description
21326	Connector Profile size:18

# REFERENCE



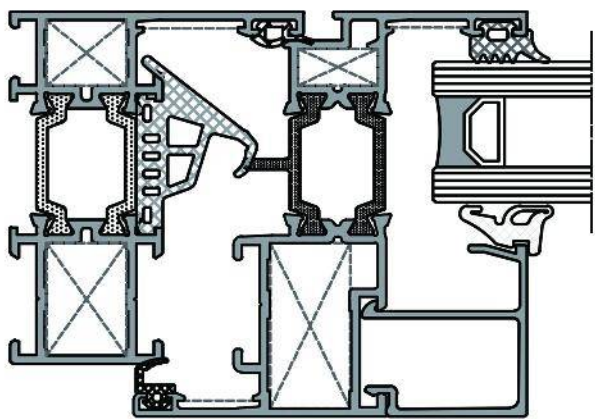
**OFFICE BUILDING**

Location: Tehran  
Bendini systems: BC50 And HT60



BC 50





HT 60

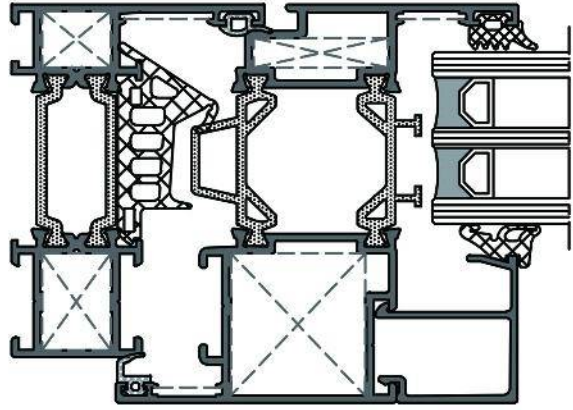


## OFFICE BUILDING

Location: Tehran

Bendini systems: BC50 And HT60



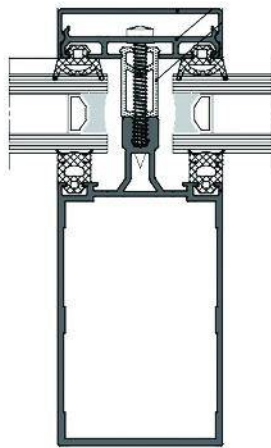


HT 70

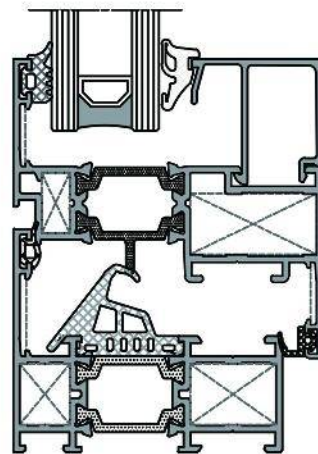
**OFFICE BUILDING**

Location: Tehran  
Bendini systems: HT70

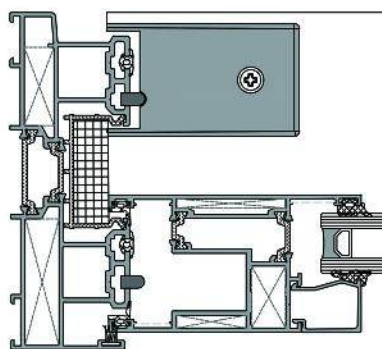




BC 50



HT 60



LST 135

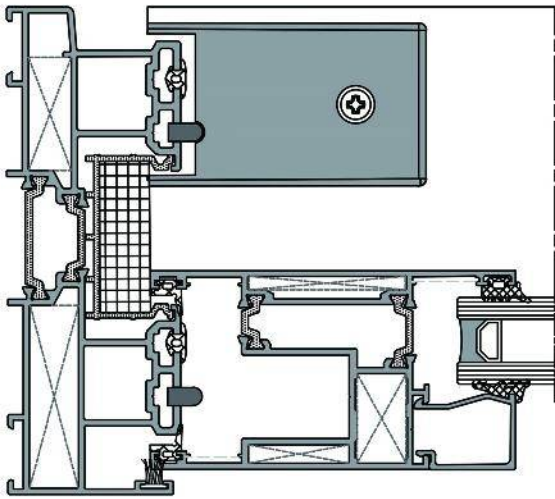
## VILLA

Location: Tehran

Bendini systems: BC50 And HT60 And LST135



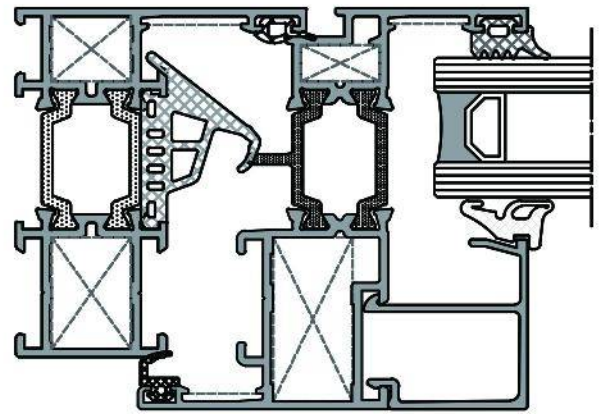
LST 135



## VILLA

Location: Mazandaran  
Bendini systems: LST 135





HT 60

## RESIDENTIAL BUILDING

Location: Karaj  
Bendini systems: HT60

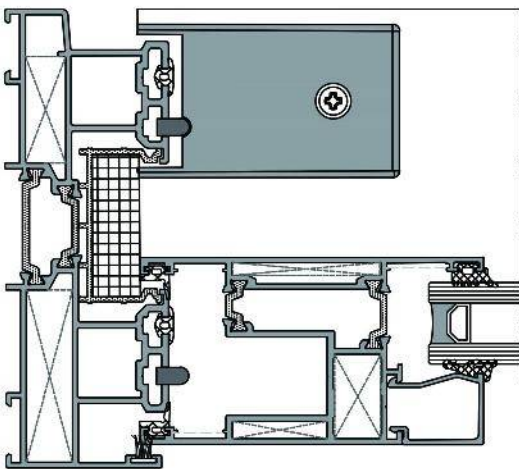




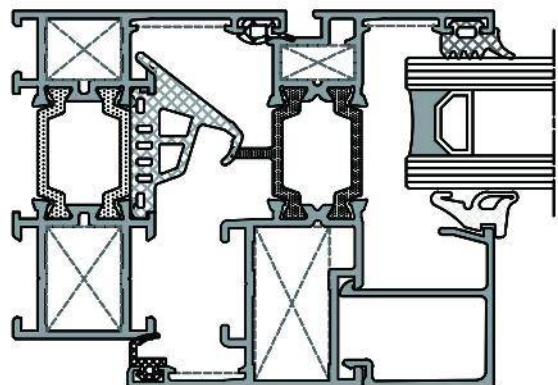
VILLA

Location: Tehran

Bendini systems: LST135 And HT60



LST 135



HT 60



BC 50

## HOTEL KHORSHID

Location: Bushehr  
Bendini systems: BC50

## SHEMSHAK HOTEL

Location: Tehran  
Bendini systems: BC50 And HT60





## OFFICE BUILDING

Location: Tehran

Bendini systems: BC50 And HT60

## RESIDENTIAL BUILDING

Location: Khansar

Bendini systems: LST 135



## OFFICE BUILDING

Location: Tehran  
Bendini systems: BC50



## MEDICAL COMPLEX

Location: Orumieh  
Bendini systems: BC 50



## COMMERCIAL BUILDING

Location: Tehran

Bendini systems: BC50 And HT60





## MEHRABAD AIRPORT

Location: Tehran

Bendini systems: BC50

## FAYAZBAKHSH HOSPITAL

Location: Tehran

Bendini systems: BC50 And HT60





## OFFICE BUILDING

Location: Tehran  
Bendini systems: HT70

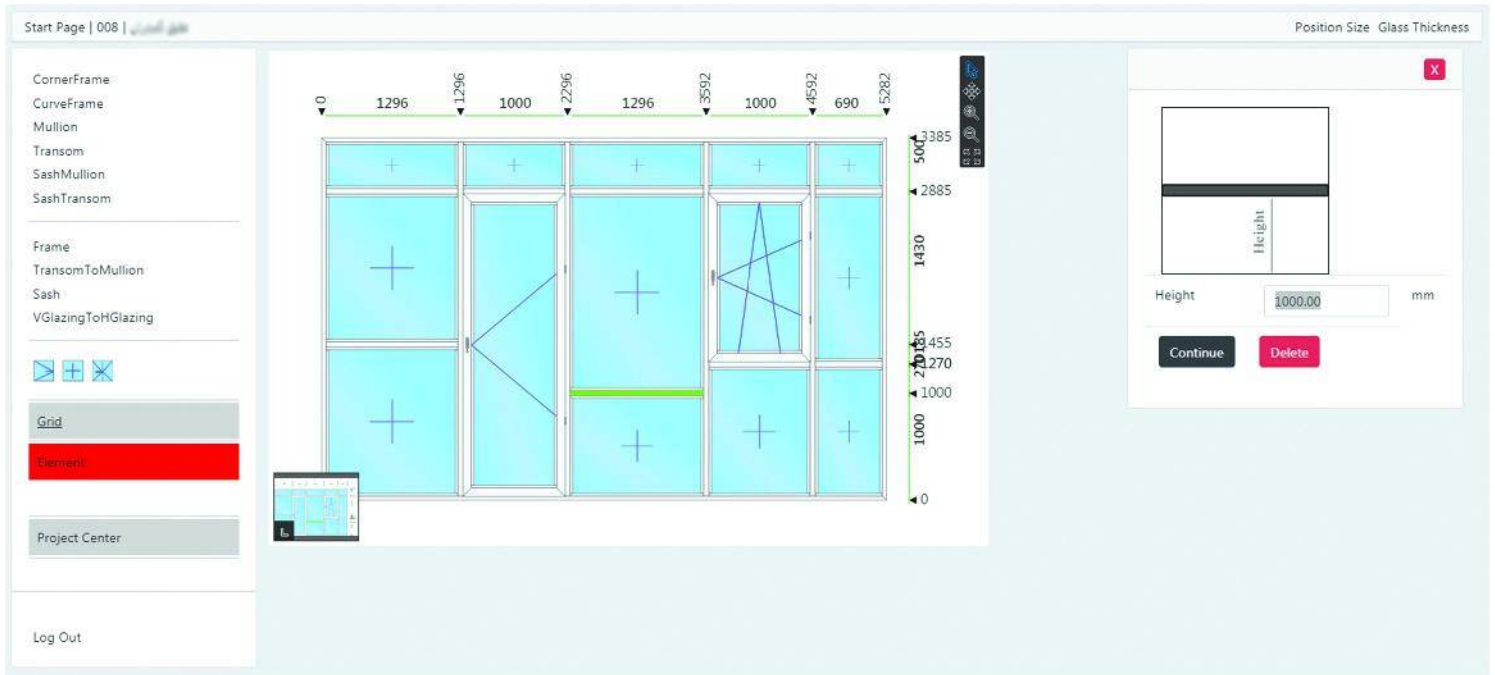
## SEPID HOSPITAL

Location: Tehran  
Bendini systems: BC50



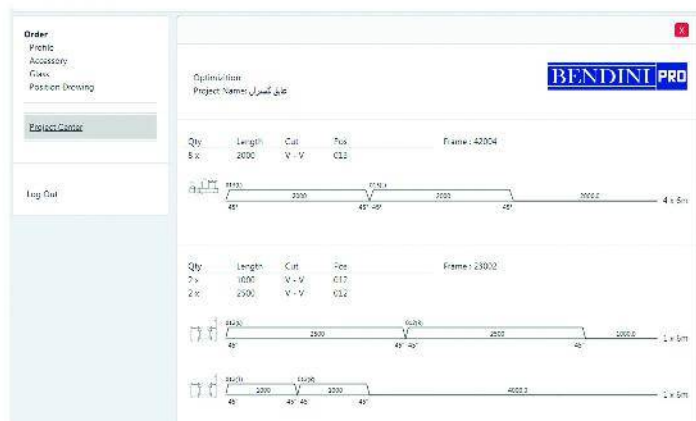
# BENDINI PRO

Software for price offers and production automation



The BendiniPro calculation software offers the fabricator the opportunity to produce all of the necessary information to create attractive, clear and accurate proposals when tendering projects. BendiniPro generates a price proposal, order list, production schedule and can be used to automate production through computer links. The calculations are possible for all types of systems. Live data and software can be downloaded through the internet. BendiniPro is very complete but still modular and adaptable to each company's needs.

## THE STANDARD FOR YOUR CALCULATING WORKLOAD



- Easy input of elements for fast results
- Efficient integration in word processors for professional customer quotes
- All data can be generated for internal or external views and can be changed during input

## NOTES

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A series of horizontal dotted lines for writing notes.