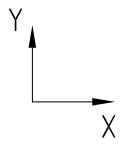
ALTW72
Window and door system
with thermal break

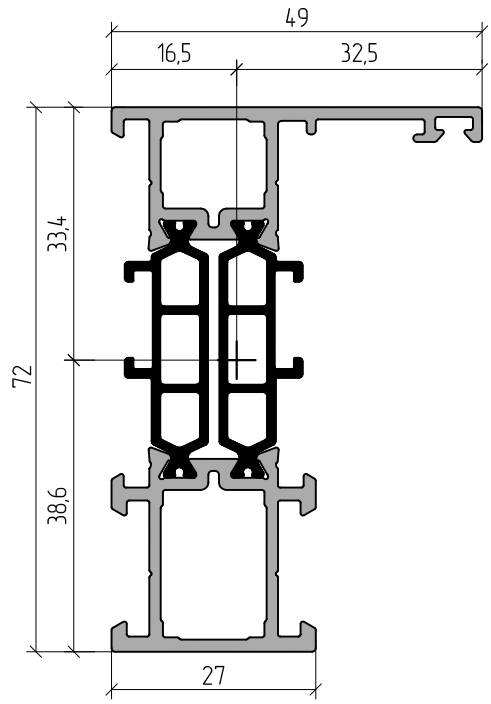
Statics

11

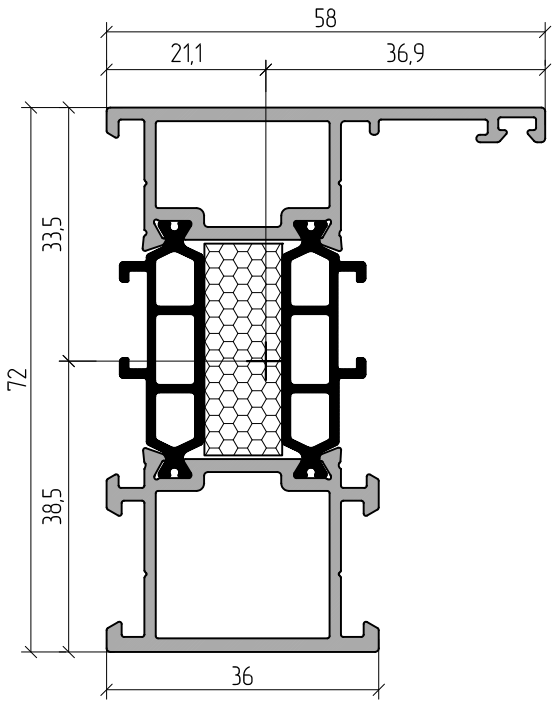
Profiles geometry data



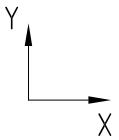
AYPC.W72.0101E



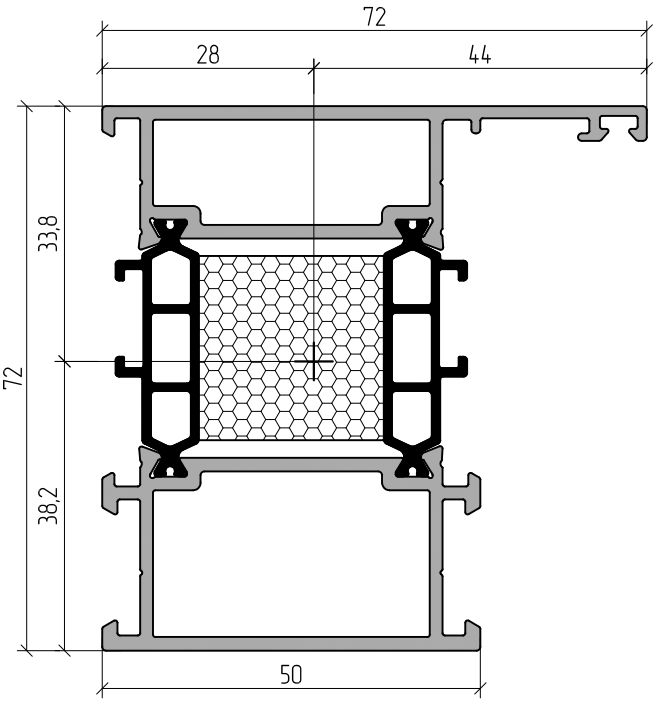
AYPC.W72.0102E



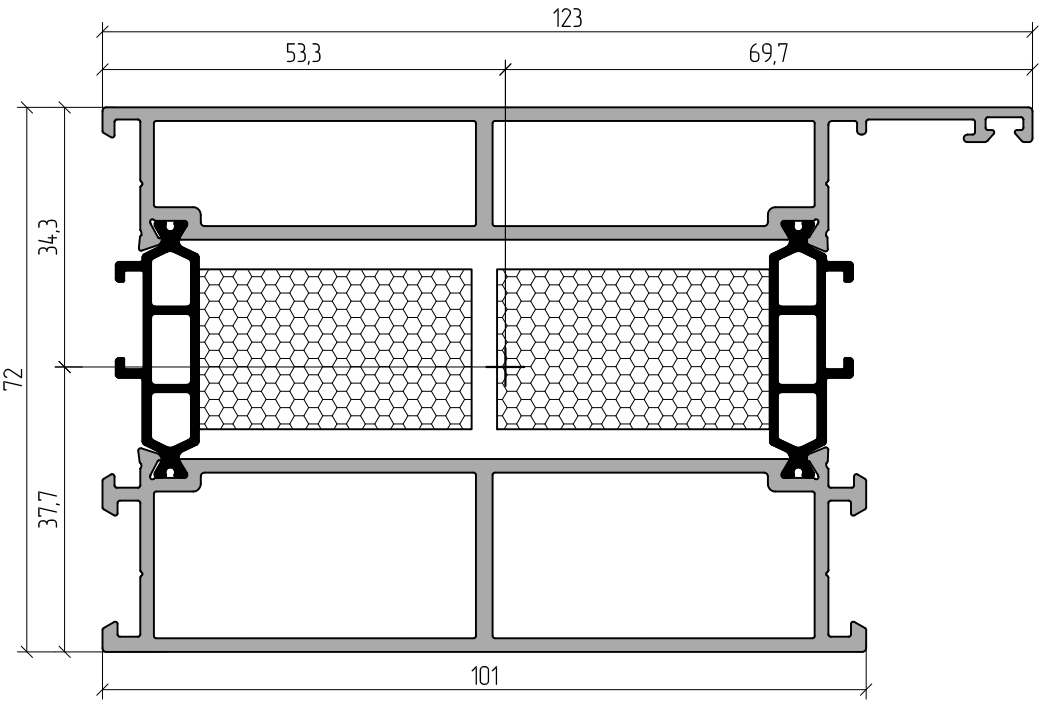
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0101E	1,321	602,7	21,6	5,6	38,6	4,9	1,5	32,5
AYPC.W72.0102E	1,494	667,1	25,2	6,5	38,5	8,8	2,4	36,9



AYPC.W72.0103E



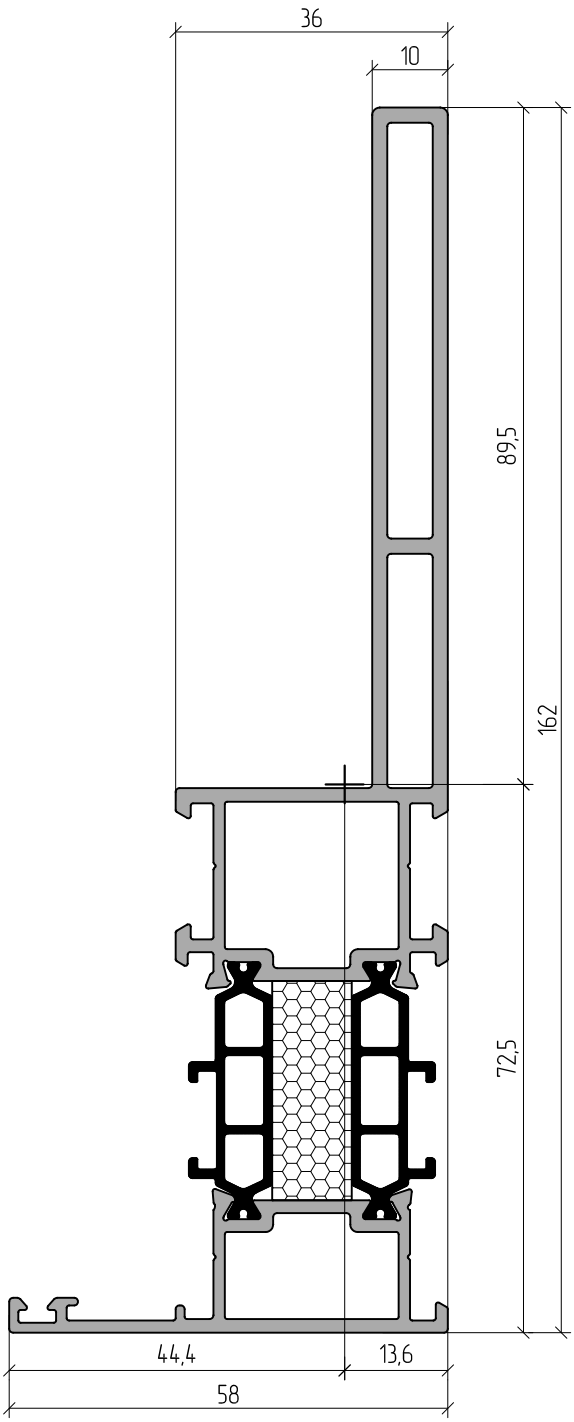
AYPC.W72.0106E



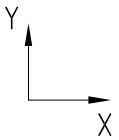
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0103E	1,815	785,9	31,6	8,3	38,2	19,2	4,4	44
AYPC.W72.0106E	3,03	1238,2	56,2	1,5	37,7	111,9	16,1	69,7

Y
X

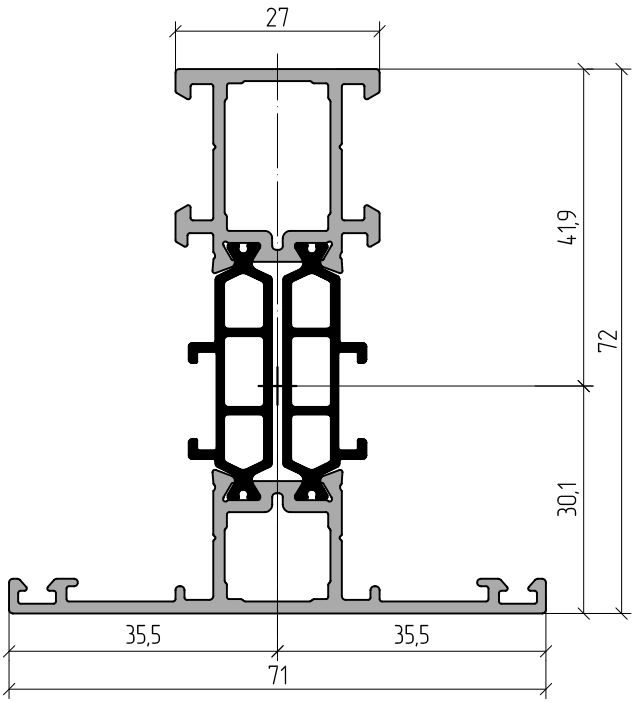
AYPC.W72.0107E



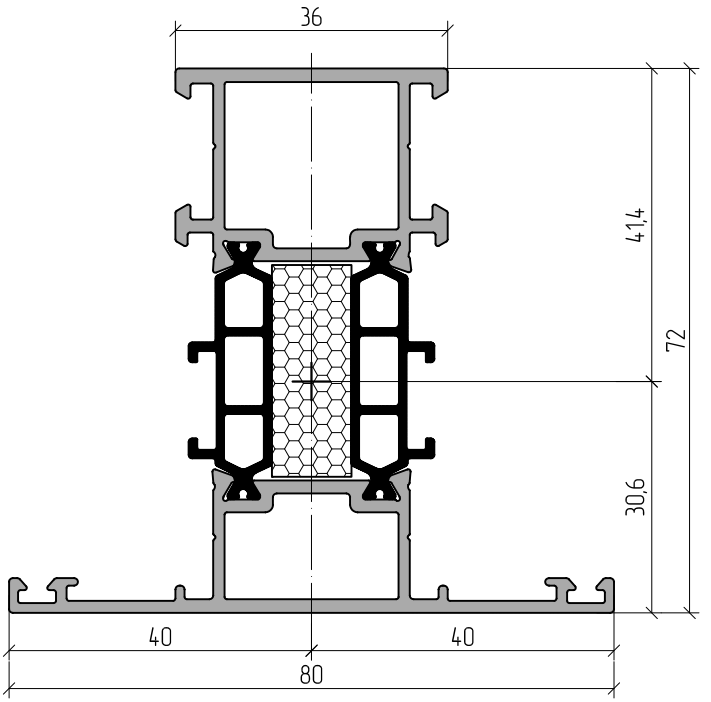
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0107E	2,52	1049,9	155,1	17,3	89,5	14,8	3,3	44,4



AYPC.W72.0301E

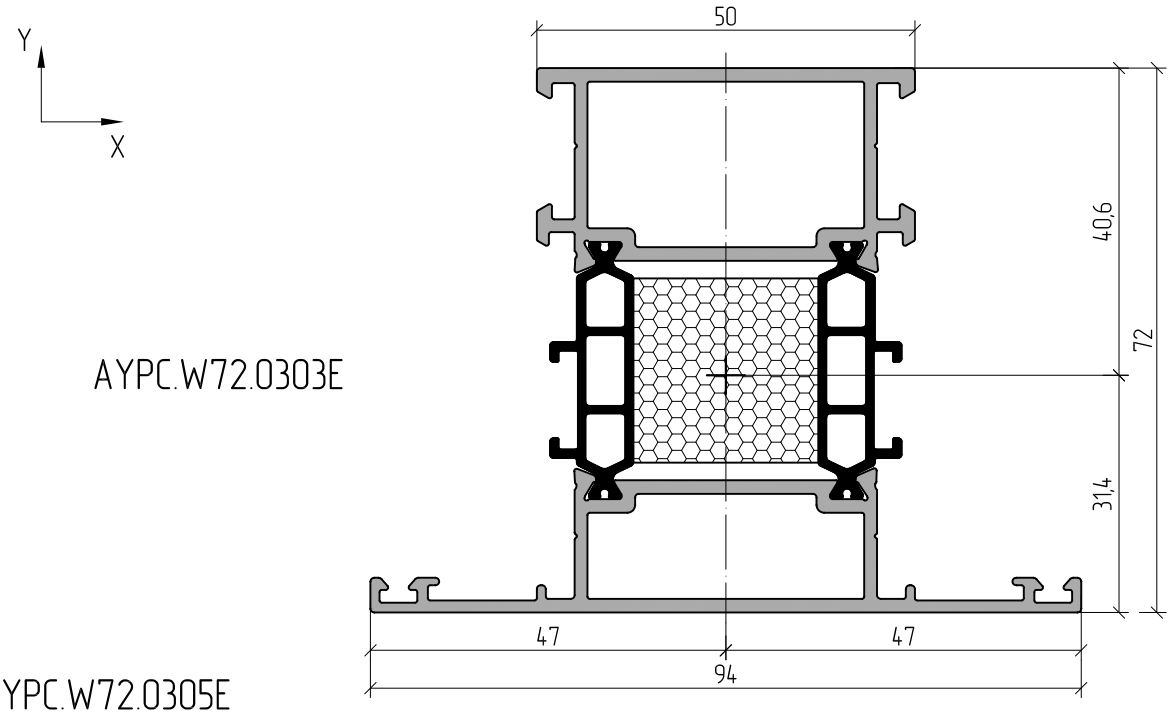


AYPC.W72.0302E

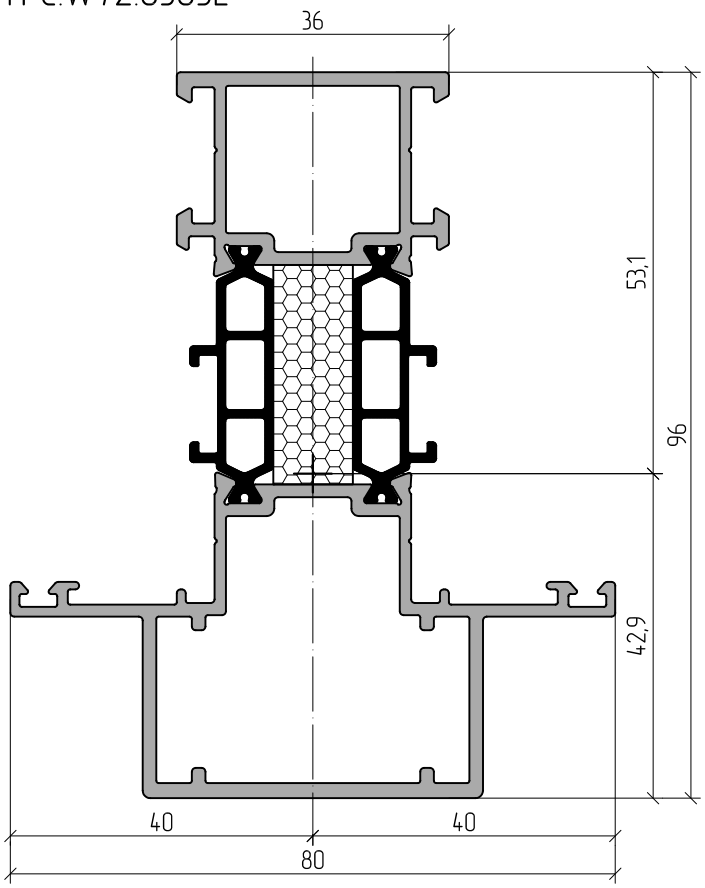


Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0301E	1,443	647,9	24,7	5,9	41,9	8,5	2,4	35,5
AYPC.W72.0302E	1,616	712,2	28,4	6,9	41,4	13,7	3,4	40,0

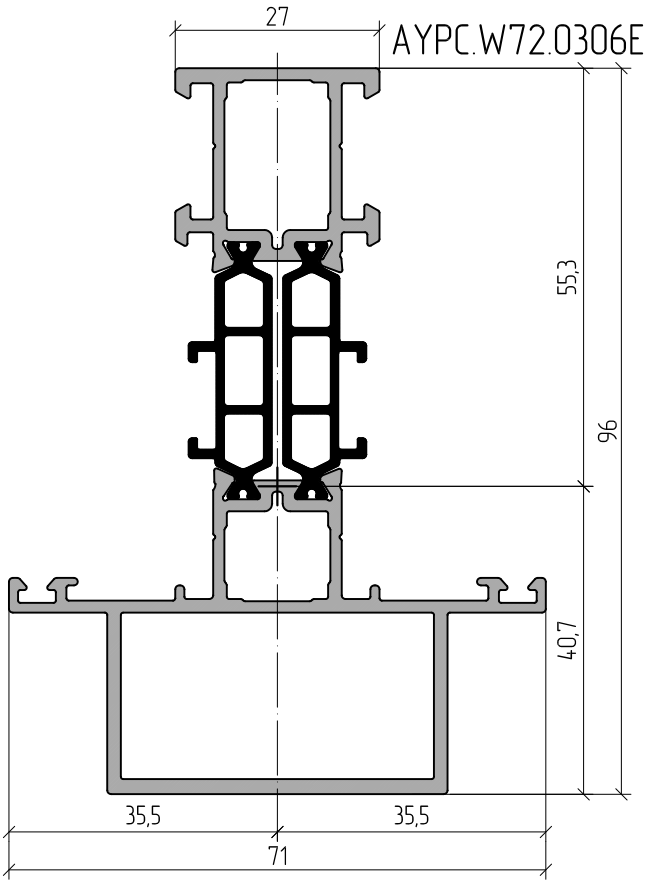
AYPC.W72.0303E



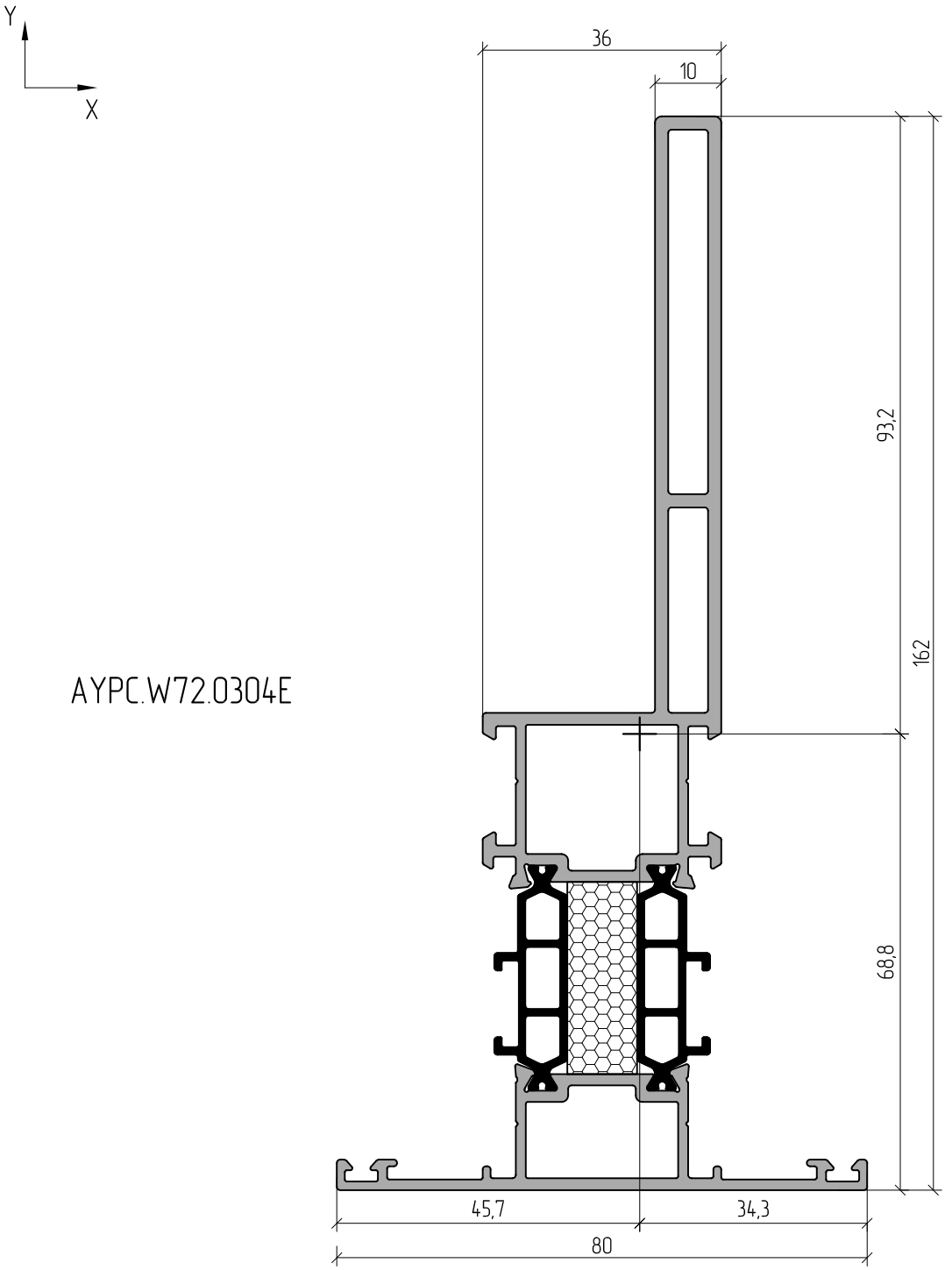
AYPC.W72.0305E



AYPC.W72.0306E

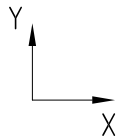


Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0303E	1,937	831,1	34,9	8,6	40,6	26,3	5,6	47,0
AYPC.W72.0305E	1,99	851,6	50,8	9,6	53,1	18,9	4,7	40,0
AYPC.W72.0306E	1,89	814,5	45,9	8,3	55,3	13,7	3,9	35,5

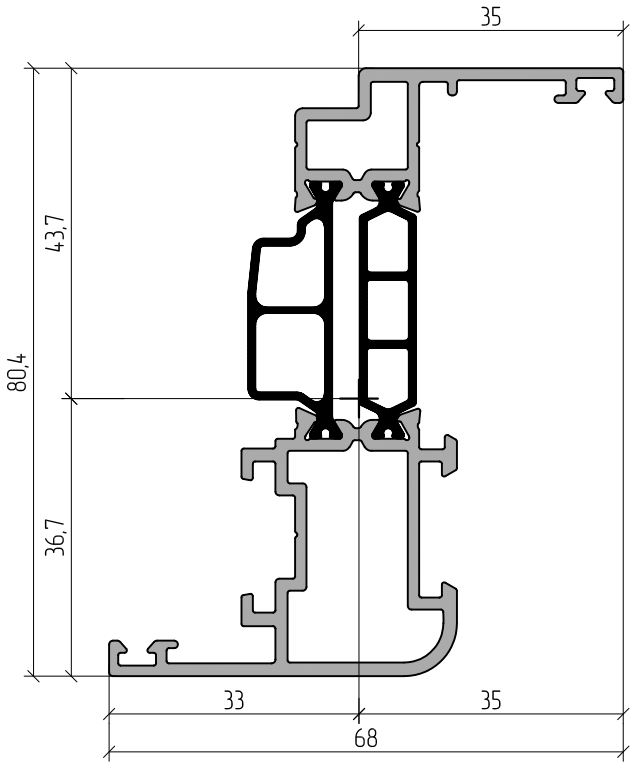


AYPC.W72.0304E

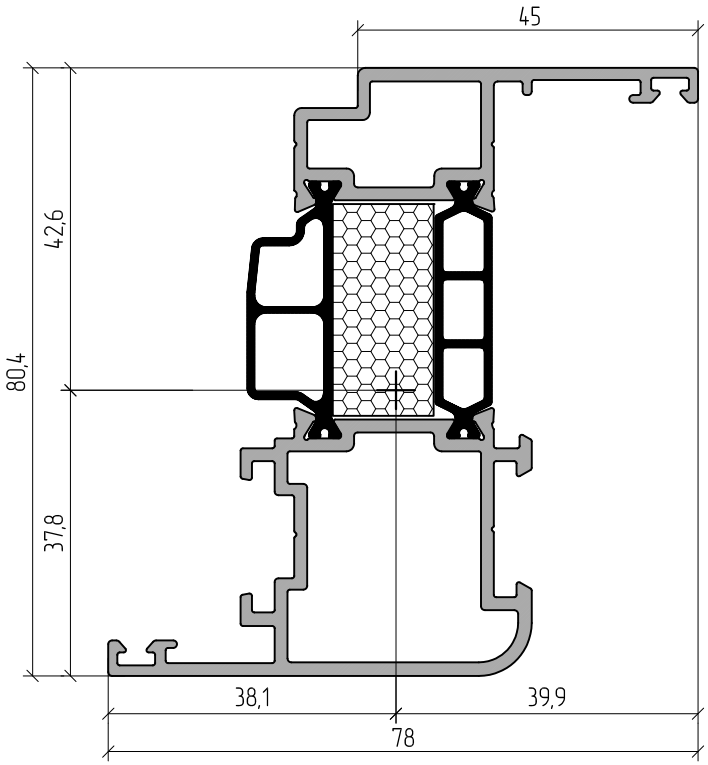
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0304E	2,65	1095,1	171,9	40,1	93,2	17,9	3,9	45,7



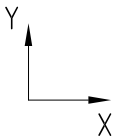
AYPC.W72.0201E



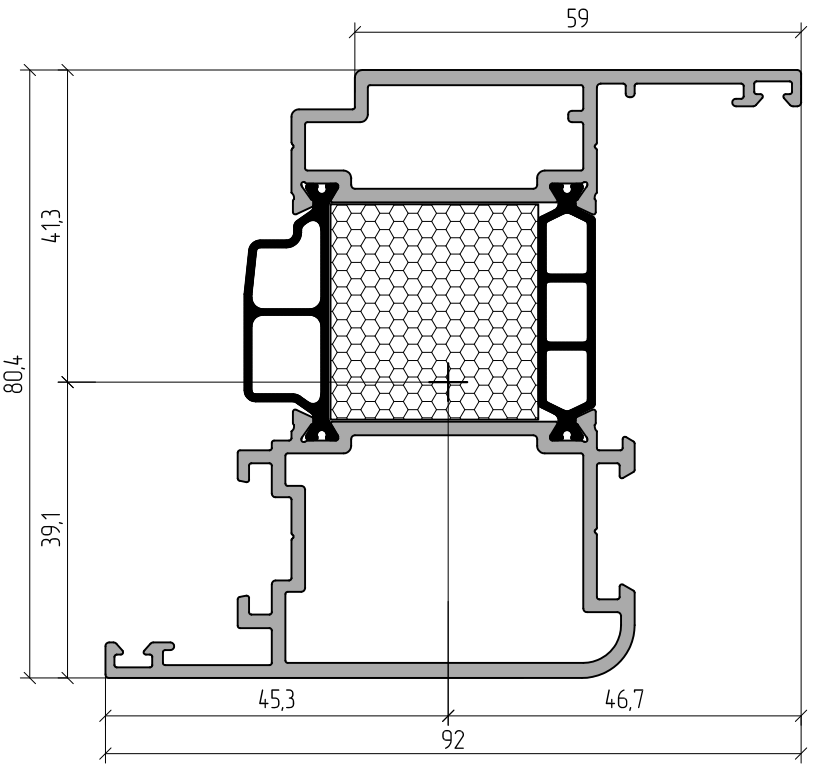
AYPC.W72.0202E



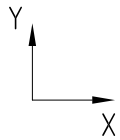
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0201E	1,506	639	30,6	7,0	43,7	8,2	2,3	35
AYPC.W72.0202E	1,751	729,5	36,5	8,6	42,6	14,4	3,6	39,9



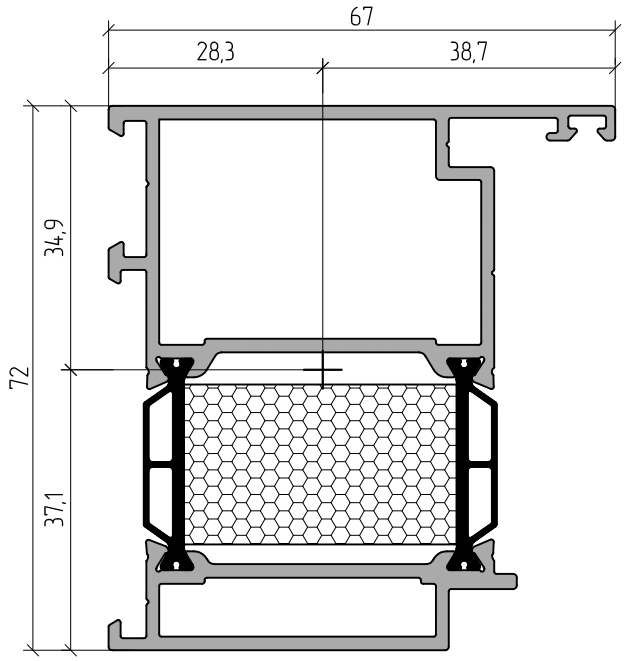
AYPC.W72.0203E



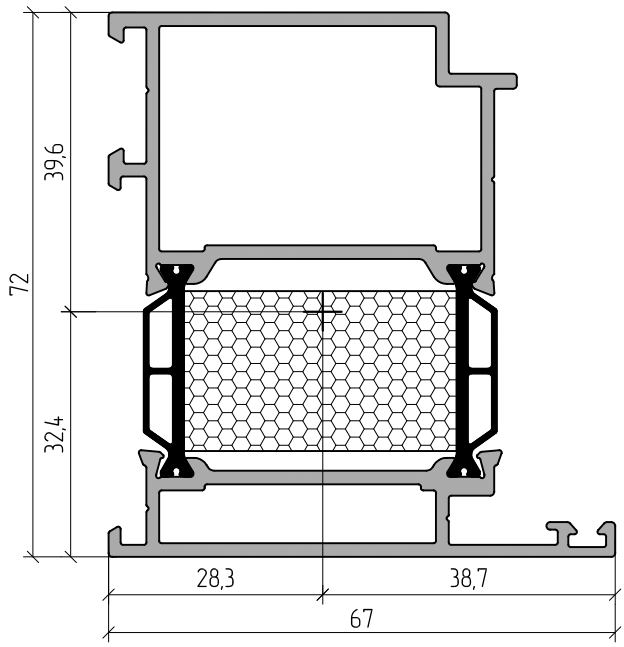
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0203E	2,11	862,3	46,5	11,3	41,3	28,8	6,2	46,7



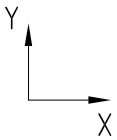
AYPC.W72.0104E



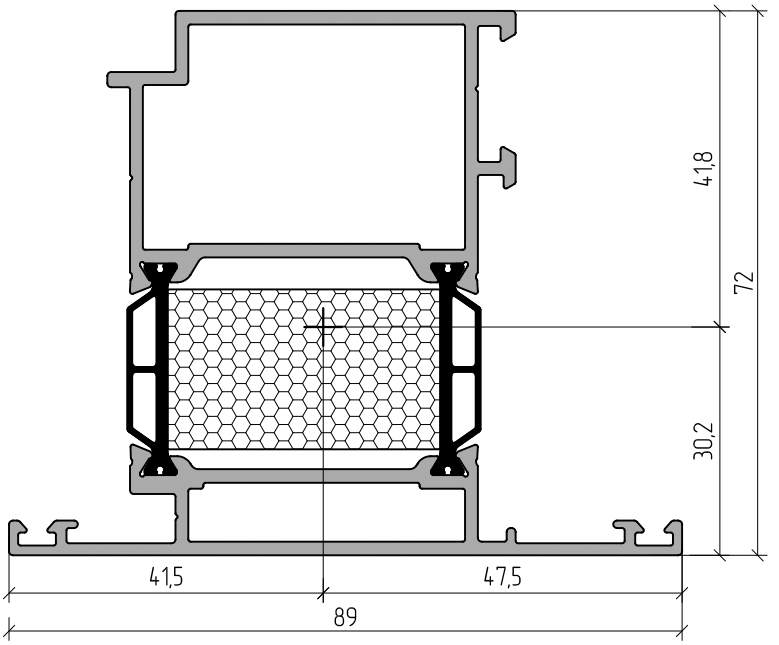
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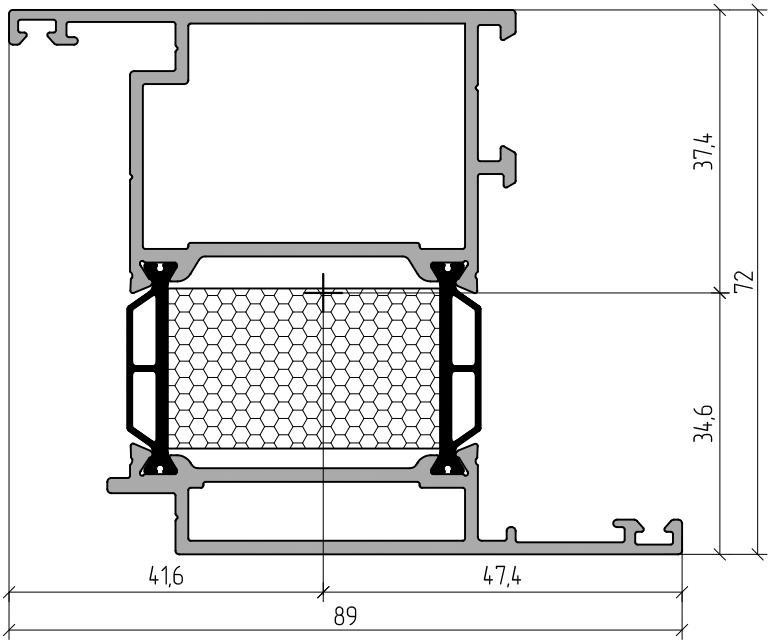
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0104E	1,789	735,5	31,4	8,5	37,1	20,3	5,3	38,7
AYPC.W72.0105E	1,789	735,5	30,8	7,8	39,6	20,3	5,3	38,7



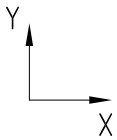
AYPC.W72.0204E



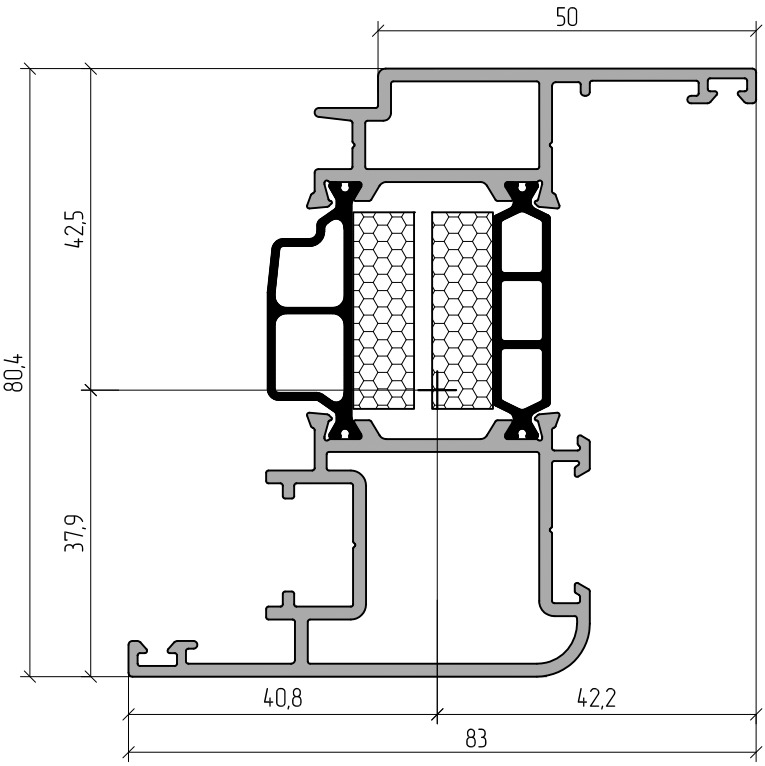
AYPC.W72.0205E



Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0204E	1,91	780,7	33,8	8,1	41,8	27,4	5,8	47,5
AYPC.W72.0205E	1,91	780,7	35,3	9,5	37,4	27,4	5,8	47,4



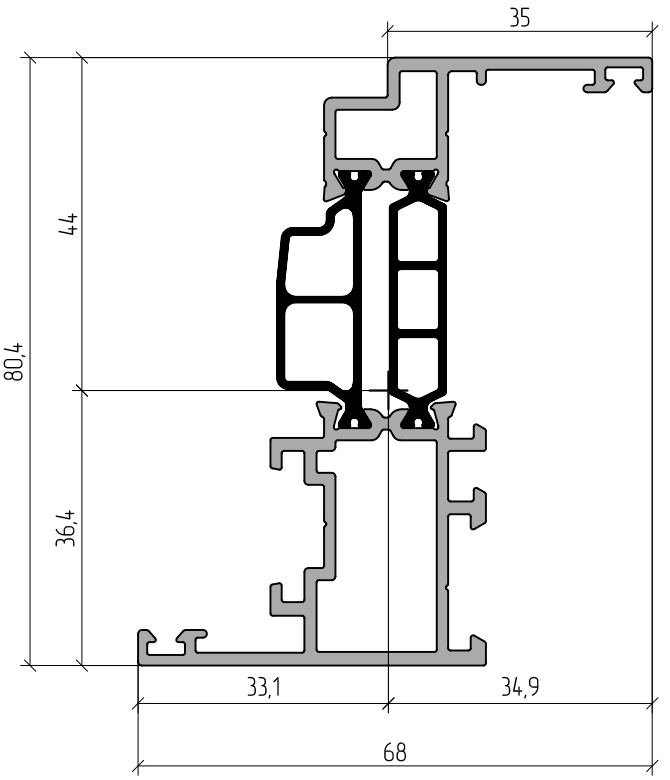
AYPC.W72.0212E



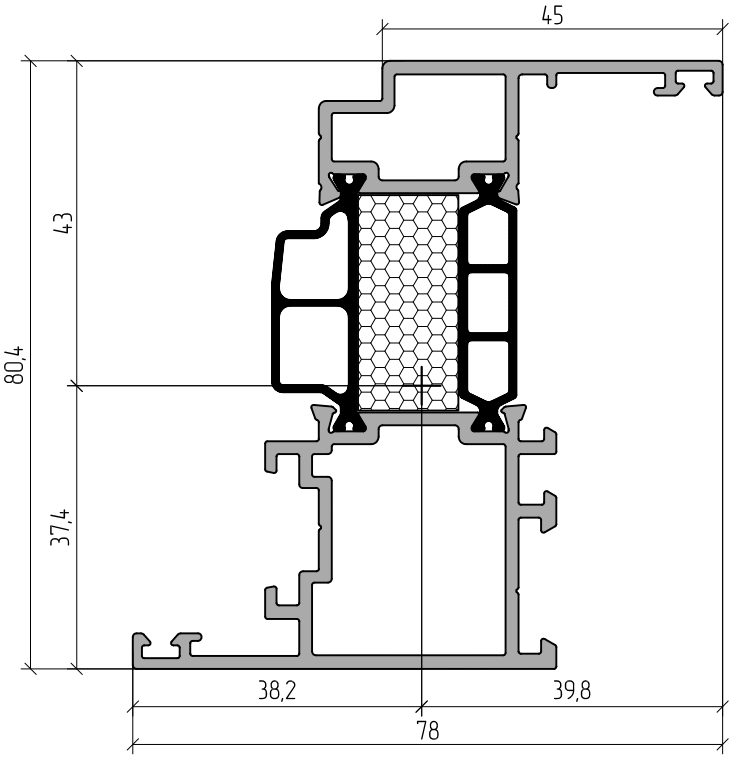
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0212E	1,85	765,2	39,28	9,24	42,52	17,55	4,16	42,17

Y
X

AYPC.W72.0221E



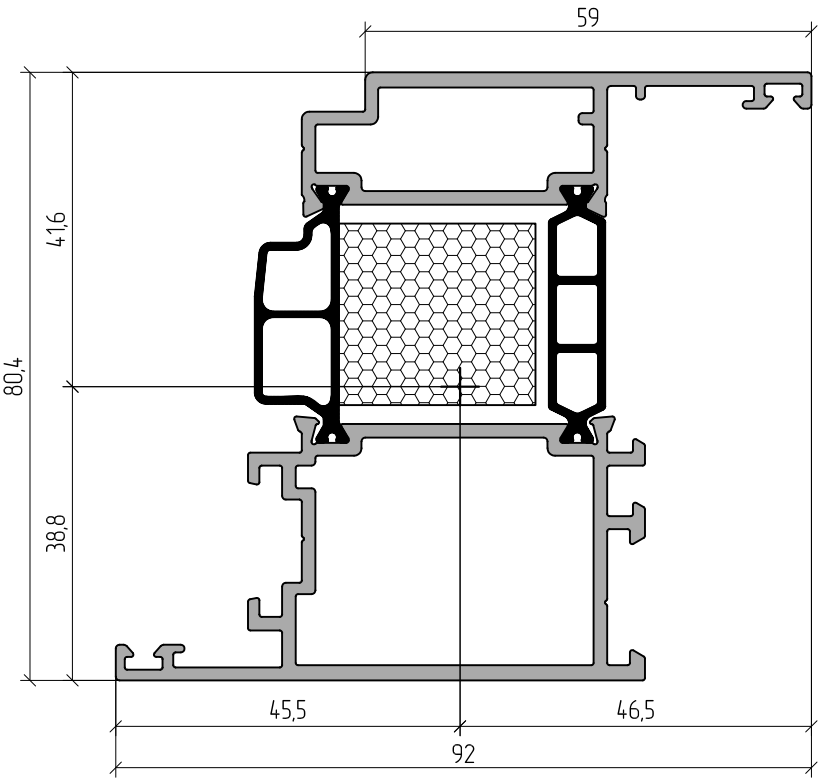
AYPC.W72.0222E



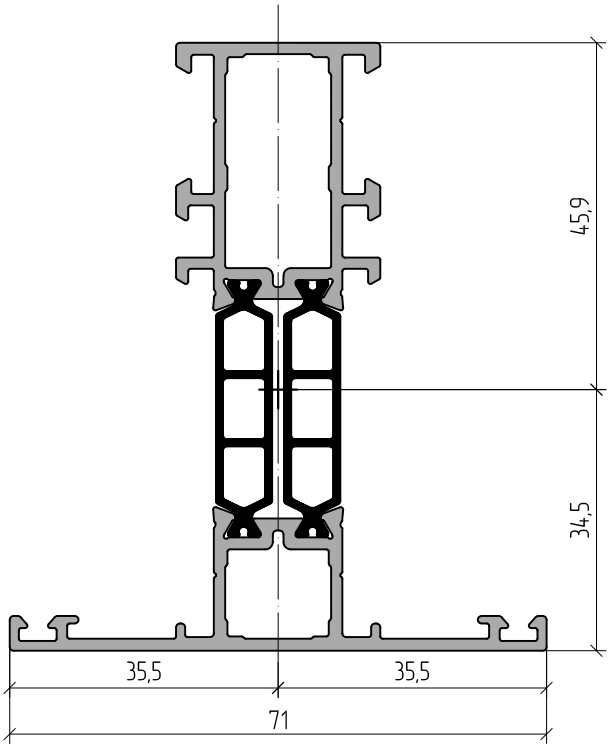
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0221E	1,504	735,8	30,9	7,03	44	8,2	2,35	34,9
AYPC.W72.0222E	1,761	835,1	37	8,6	43	14,48	3,64	39,8

Y
X

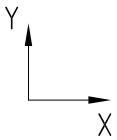
AYPC.W72.0223E



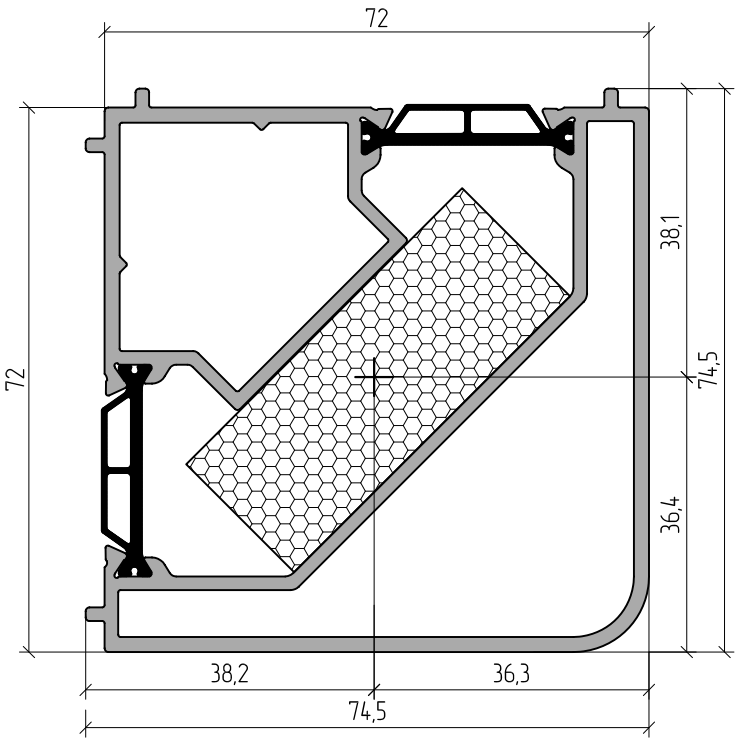
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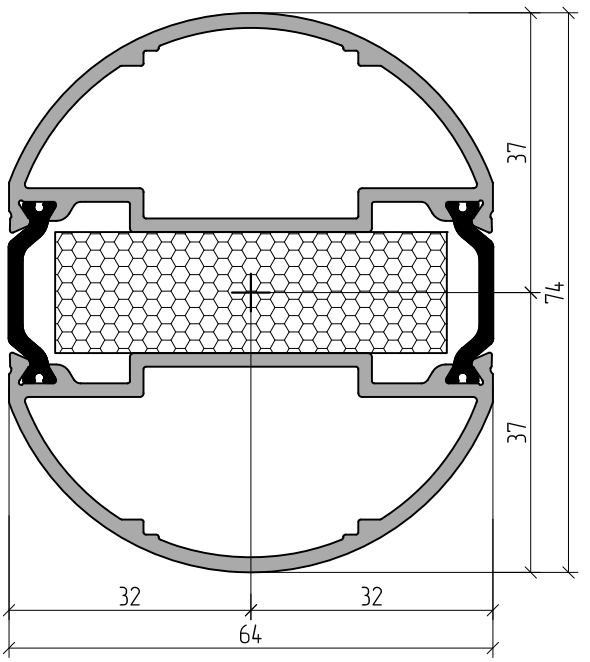
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0223E	2,113	868,63	46,3	11,13	41,6	29	6,24	46,5
AYPC.W72.0321E	1,529	653	32	7,0	45,9	8,9	2,51	35,5



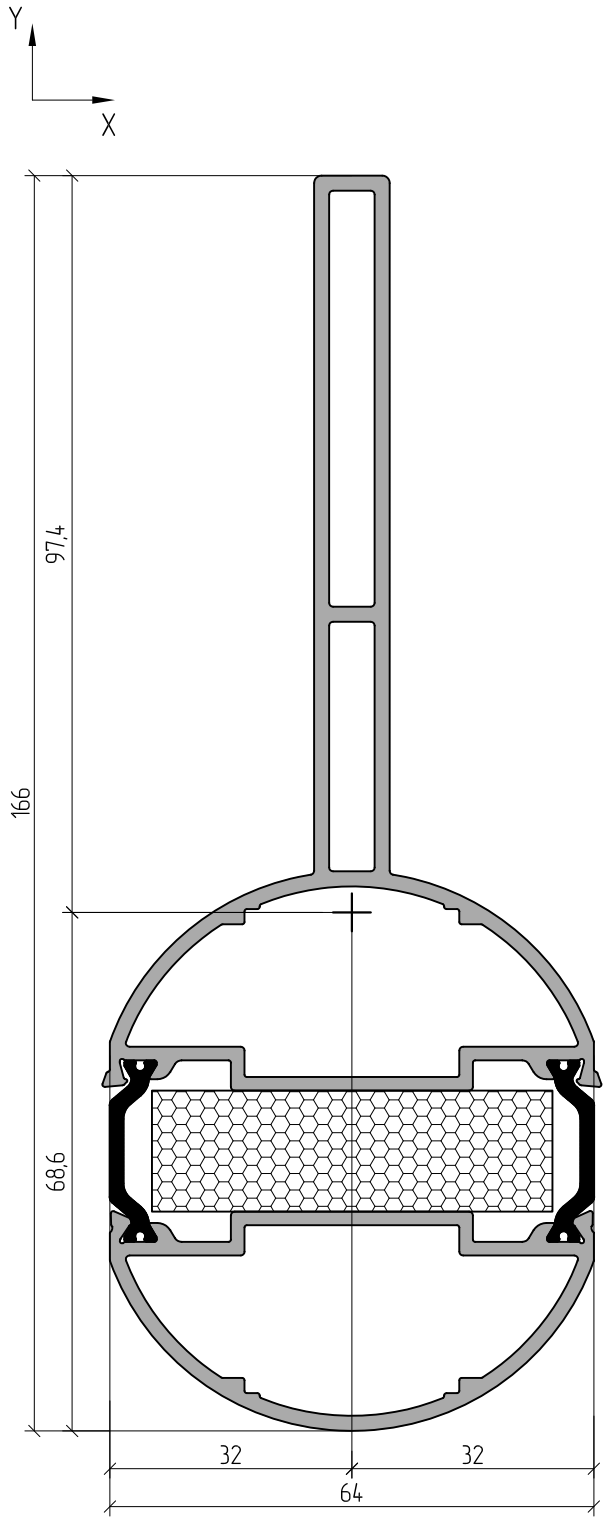
AYPC.W72.0804E



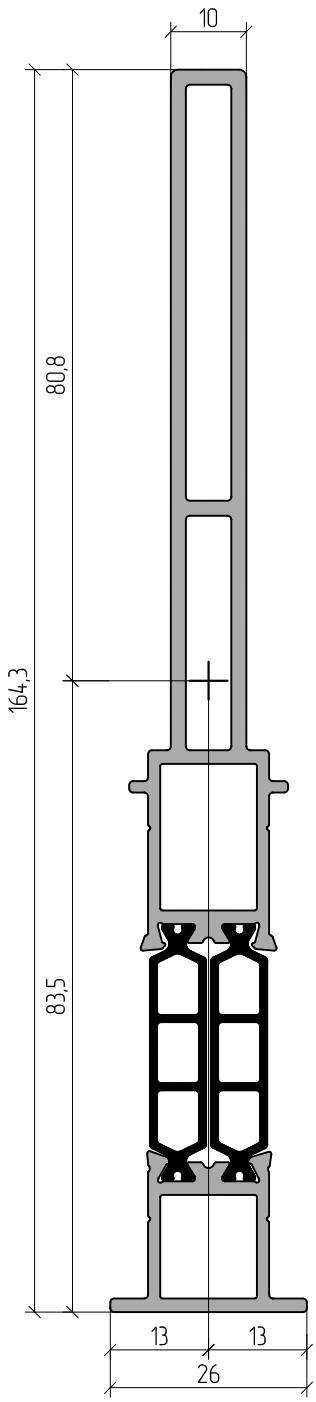
AYPC.W72.0805E



Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0804E	2,37	950,8	39,1	10,2	38,1	39,1	10,2	38,2
AYPC.W72.0805E	1,91	768,5	24,3	6,6	37,0	26,6	8,3	32,0

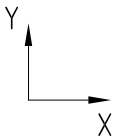


AYPC.W72.0806E

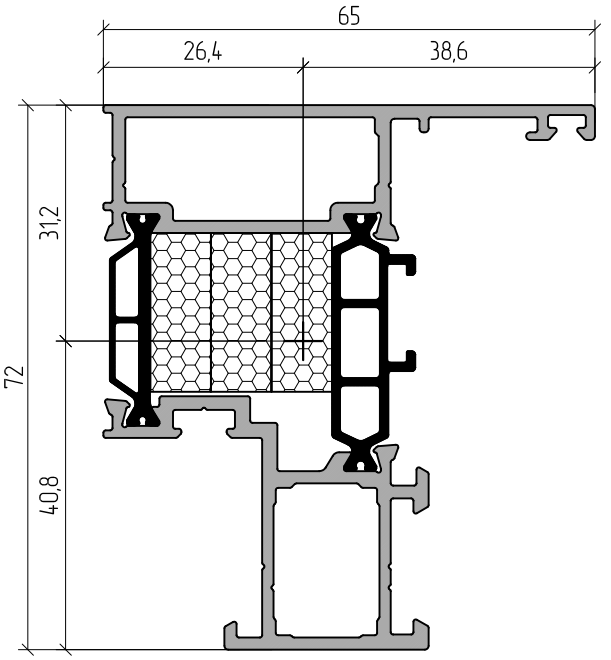


AYPC.W72.0807E

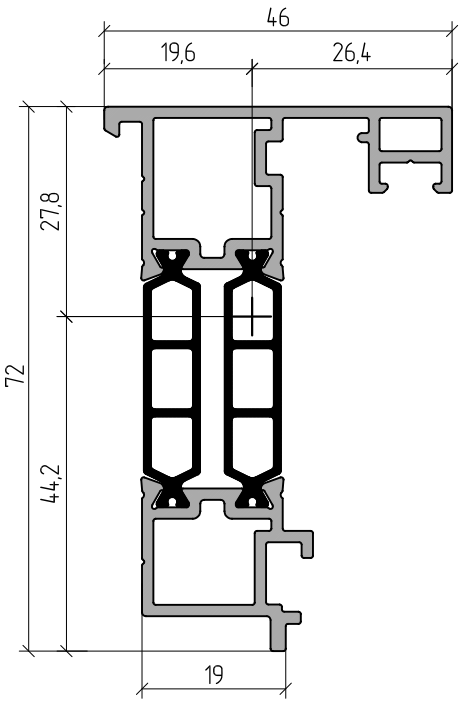
Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0806E	2,97	1159,8	174,9	17,9	97,4	27,1	8,5	32,0
AYPC.W72.0807E	2,07	861,9	125,5	15,1	83,5	1,8	1,4	13,0



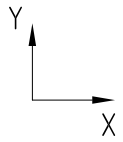
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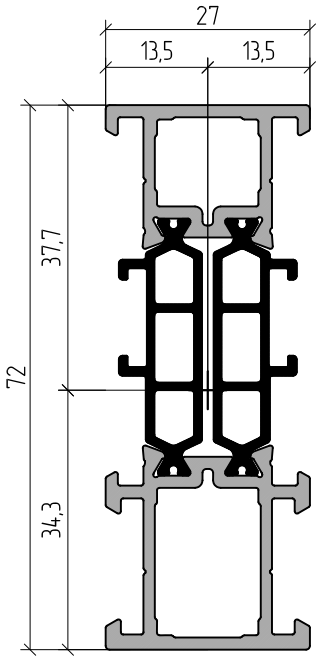


AYPC.W72.0815E

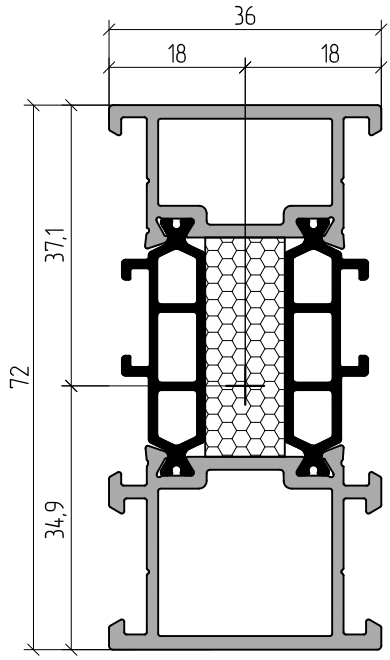


Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0108E	1,557	666,5	23,7	5,8	40,8	11,5	3,0	38,6
AYPC.W72.0815E	1,225	547,0	18,0	4,1	44,2	5,1	1,9	26,4

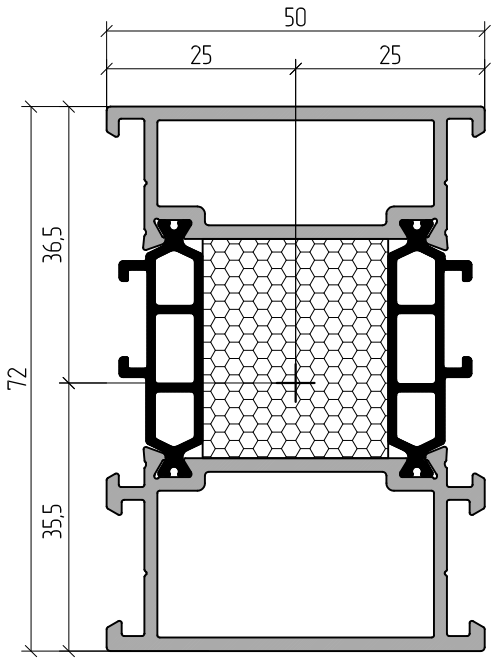




AYPC.W72.0121E

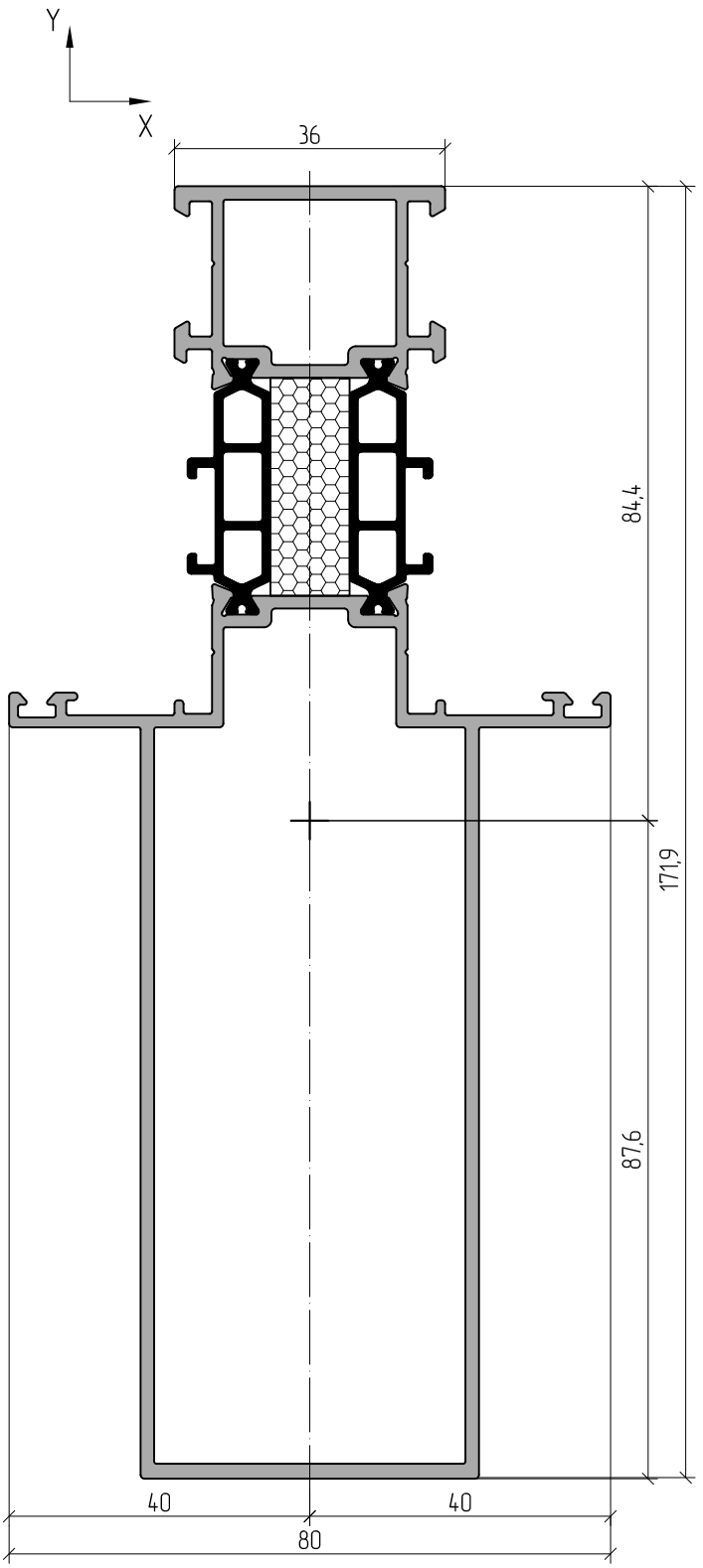


AYPC.W72.0122E

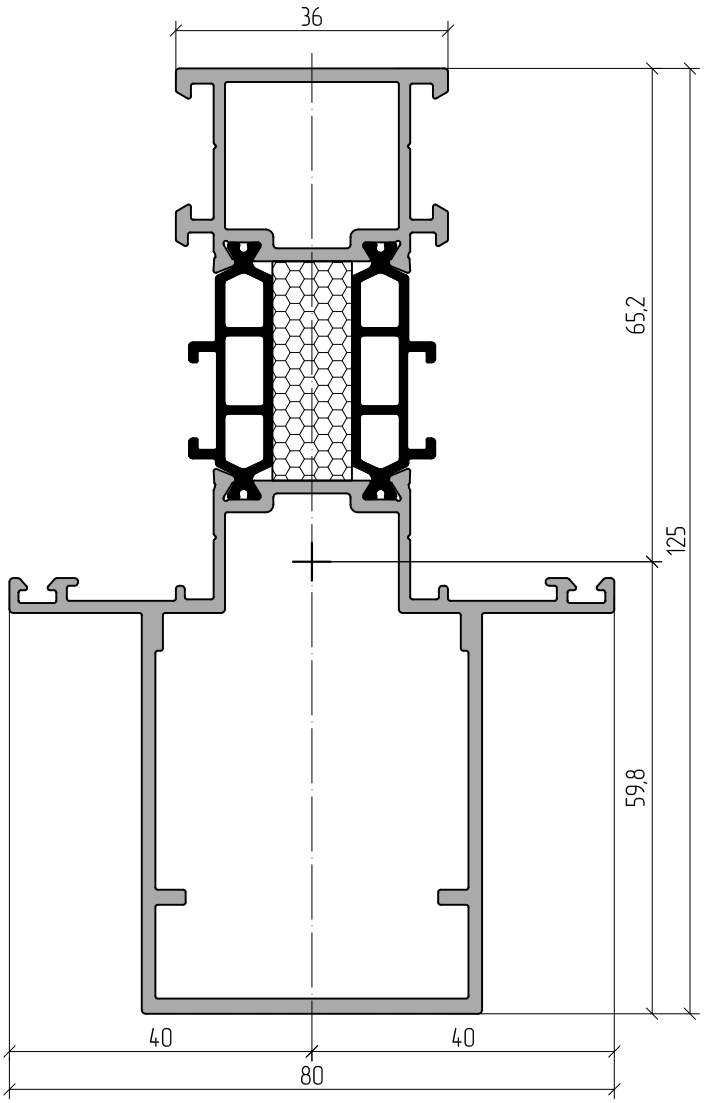


AYPC.W72.0123E

Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0121E	1,209	547,0	17,7	4,7	37,7	2,1	1,6	13,5
AYPC.W72.0122E	1,384	621,9	21,3	5,8	37,1	4,9	2,7	18
AYPC.W72.0123E	1,703	740,8	27,8	7,6	36,5	13,2	5,3	25



AYPC.W72.0307E



AYPC.W72.0308E

Profile	m, kg/rm	S, mm^2	Jx, cm^4	Wx, cm^3	ax, mm	Jy, cm^4	Wy, cm^3	ay, mm
AYPC.W72.0307E	2,710	1113,7	203,5	23,2	87,6	31,5	7,9	40
AYPC.W72.0308E	2,320	970,5	92,4	14,2	65,2	24,5	6,1	40

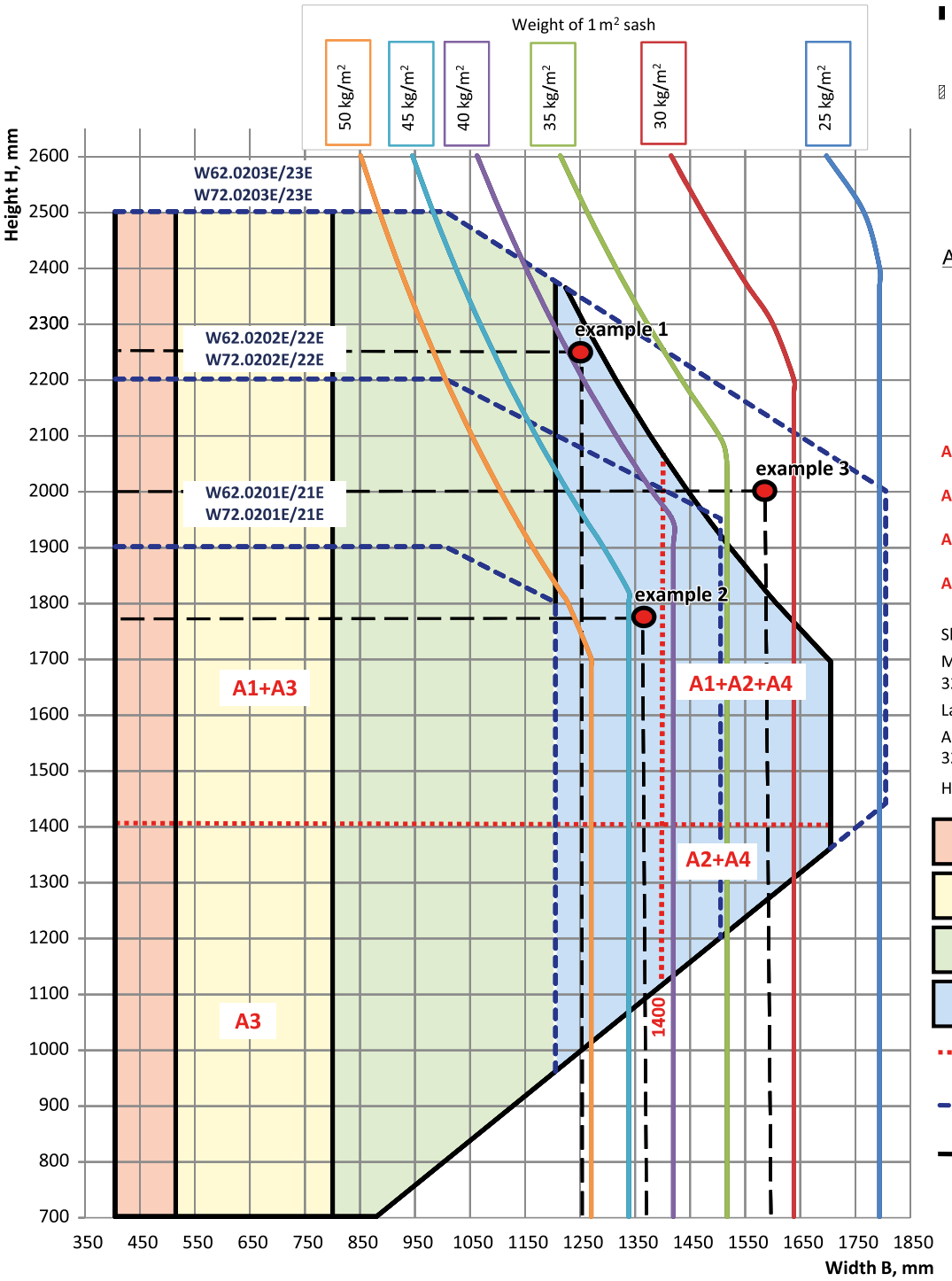
Examples of selection of tilt and turn window with SAVIO RIBANTA 5 hardware with ALT W72 profiles and accessories

Example 1.
Basic data:
– it is required to make a window with a sash of 1250x2250 mm (width x height);
– glass unit is 6x10x4x10x6 (1 m^2 weight = 40 kg).
Selection of sash type and hardware kit:
1) Find the cross point of sash dimensions on the graph. The point falls into the application area of AYPC.W72.0203E profile.
2) Check if the sash weight limits (m^2) are fulfilled. Calculate additionally the weight of aluminium profiles (sash and glass bead) for 1 m^2 window. According to the glazing table in ALTW72 technical catalogue select the AYPC.C48.0606 glass bead. Take the weight of this glass bead and AYPC.W72.0203E sash profile in the catalogue section "Order info. Coding". Use the following formula for calculation: ((2,11+0,307)•(1,25+2,25)•2)/(1,25•2,25)=6,02 kg/m^2 and add infill unit weight: 40+6,02=46,02 kg/m^2;
3) Verify the value obtained in p. 2 with 1 m^2 weight limit lines at reference point. Here you can see that the reference point is at the area of sash weight limits from 35 kg/m^2 to 40 kg/m^2, but actual weight is higher than the limit weight.
Conclusion: such sash size is not appropriate to use with the indicated glass unit size. It is necessary to fulfill one (several) following tasks: reduce infill unit weight, change size dimensions or use reinforced hardware.

Example 2.
Basic data:
– it is required to make a window with a sash of 1370x1770 mm (width x height);
– glass unit is 4x12x4x12x4 (1 m^2 weight = 30 kg).
Selection of sash type and hardware kit:
1) Find the cross point of sash dimensions on the graph. The point falls into the application area of AYPC.W72.0202E profile;
2) Check if the sash weight limits (m^2) are fulfilled. Calculate additionally the weight of aluminium profiles (sash and glass bead) for 1 m^2 window. According to the glazing table in ALT W72 technical catalogue select AYPC.C48.0606 glass bead. take the weight of this glass bead and AYPC.W72.0202E sash profile in the catalogue section "Order info. Coding". use the following formula for calculation: ((1,76+0,307)•(1,37+1,77)•2)/(1,37•1,77)=5,35 kg/m^2 and add infill unit weight: 30+5,35=35,35 kg/m^2;
3) Verify the value obtained in p. 2 with 1 m^2 weight limit lines at reference point. Here you can see that the reference point is at the area of sash weight limits from 40 kg/m^2 to 45 kg/m^2, that means indicated size is acceptable (calculated value is lower than limits).
4) Select hardware kit (handle 873.1, compass arm 3200.772R/L, additional compass arm 3200.800R/L, main kit with vertical latch 3200.20R/L, a kit for 6 locking points 3200.820 R/L).
Conclusion: it is possible to make and use a sash with the indicated glass unit dimensions.

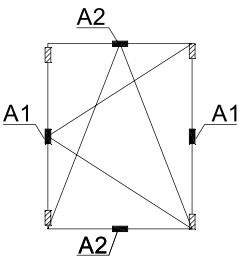
Example 3.
Basic data:
– it is required to make a window with a sash of 1600x2000 mm (width x height);
– glass unit is 6x14x4x14x6 (1 m^2 weight = 40 kg).
Selection of sash type and hardware kit:
– Find the cross point of sash dimensions on the graph. The point appears at the area, where it is shown that with such dimensions the sash can't be made.

Diagram for selection of sash dimension of tilt and turn window with hardware SAVIO RIBANTA 5 (*hinges kit for load up to 110 kg*) with profiles and accessories of ALTW62 system. *Example of sash selection.*



A1 – 6 locking points kit
A2 – 8 locking points kit

A3 – main kit with vertical latches
A4 – main kit with corner switch



RIBANTA 5 kits

A1- 3200.820 R/L - 6 locking points kit
A2 - 3200.825 R/L - 8 locking points kit
A3 - 3200.20R/L - main kit with vertical latch
A4 - 3200.22R/L - main kit with **corner switch**

Short compass arm - 3200.770R/L

Medium compass arm - 3200.771R/L

Large compas arm - 3200.772R/L

Addit. compass arm - 3200.800R/L

Hinges kit - 3200.729

short compass arm area of use

medium compass arm area of use

large compass arm area of use

large and addit. compass arm ara of use

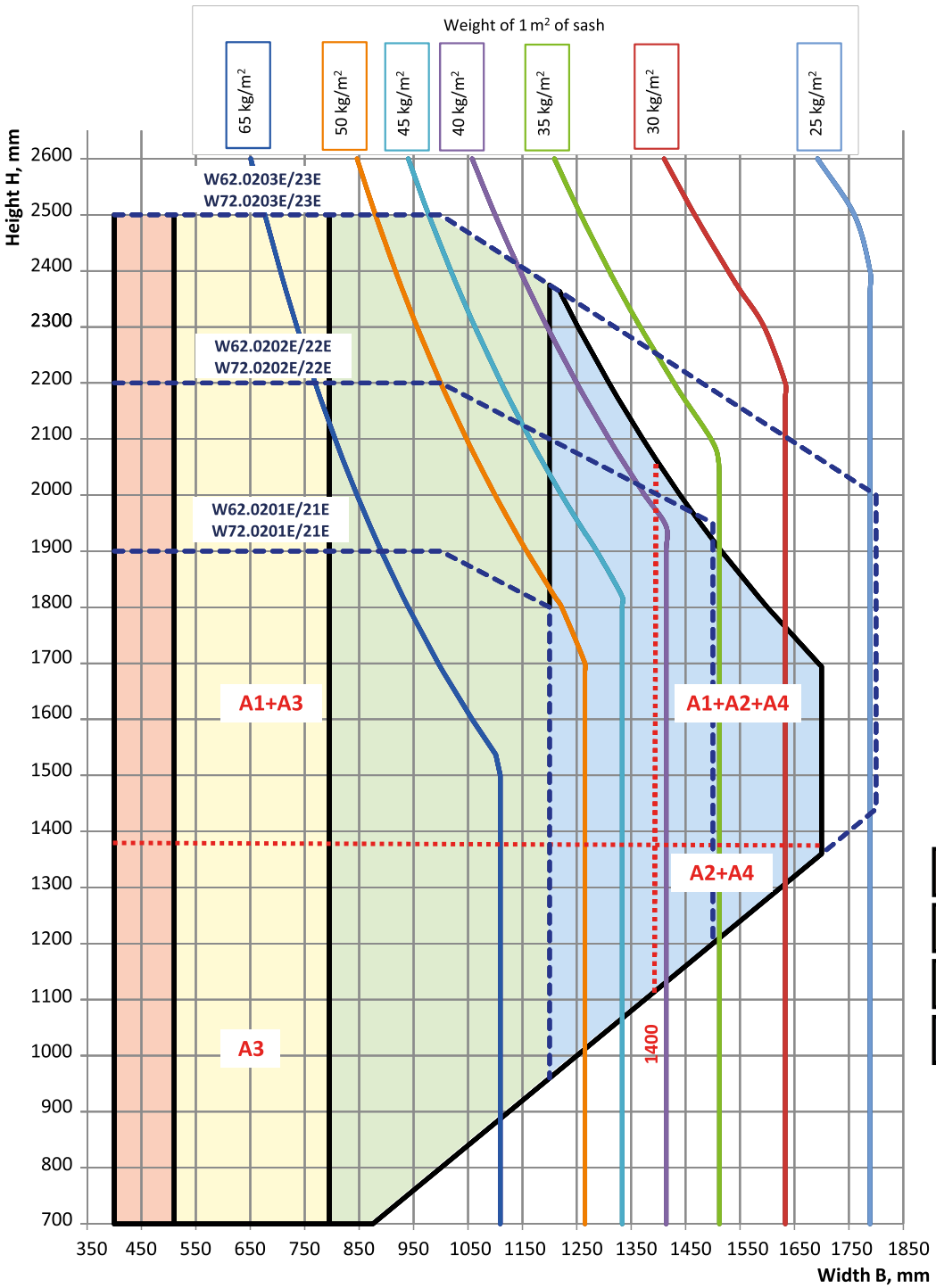
area of use of locking points

sash profiles areas of use

area of possible manufacturing of units from ALT profiles ALT with SAVIO hardware

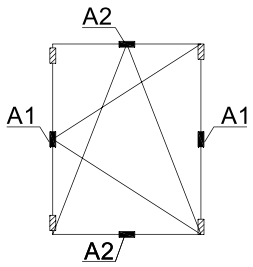
Diagram for selection of sash dimensions and tilt and turn hardware kits SAVIO Ribanta 5

(hinges kit for load up to 110 kg)



▮ A1 – 6 locking points kit
A2 – 8 locking points kit

▯ A3 – main kit with vertical latches
A4 – main kit with corner switch



RIBANTA 5 kits

A1- 3200.820 R/L - 6 locking points kit
A2 - 3200.825 R/L - 8 locking points kit
A3 - 3200.20R/L - main kit with vertical latch
A4 - 3200.22R/L - main kit with corner switch

Short compass arm - 3200.770R/L

Medium compass arm - 3200.771R/L

Large compas arm - 3200.772R/L

Addit. compass arm - 3200.800R/L

Hinges kit - 3200.729

short compass arm area of use

medium compass arm area of use

large compass arm area of use

large and addit. compass arm ara of use

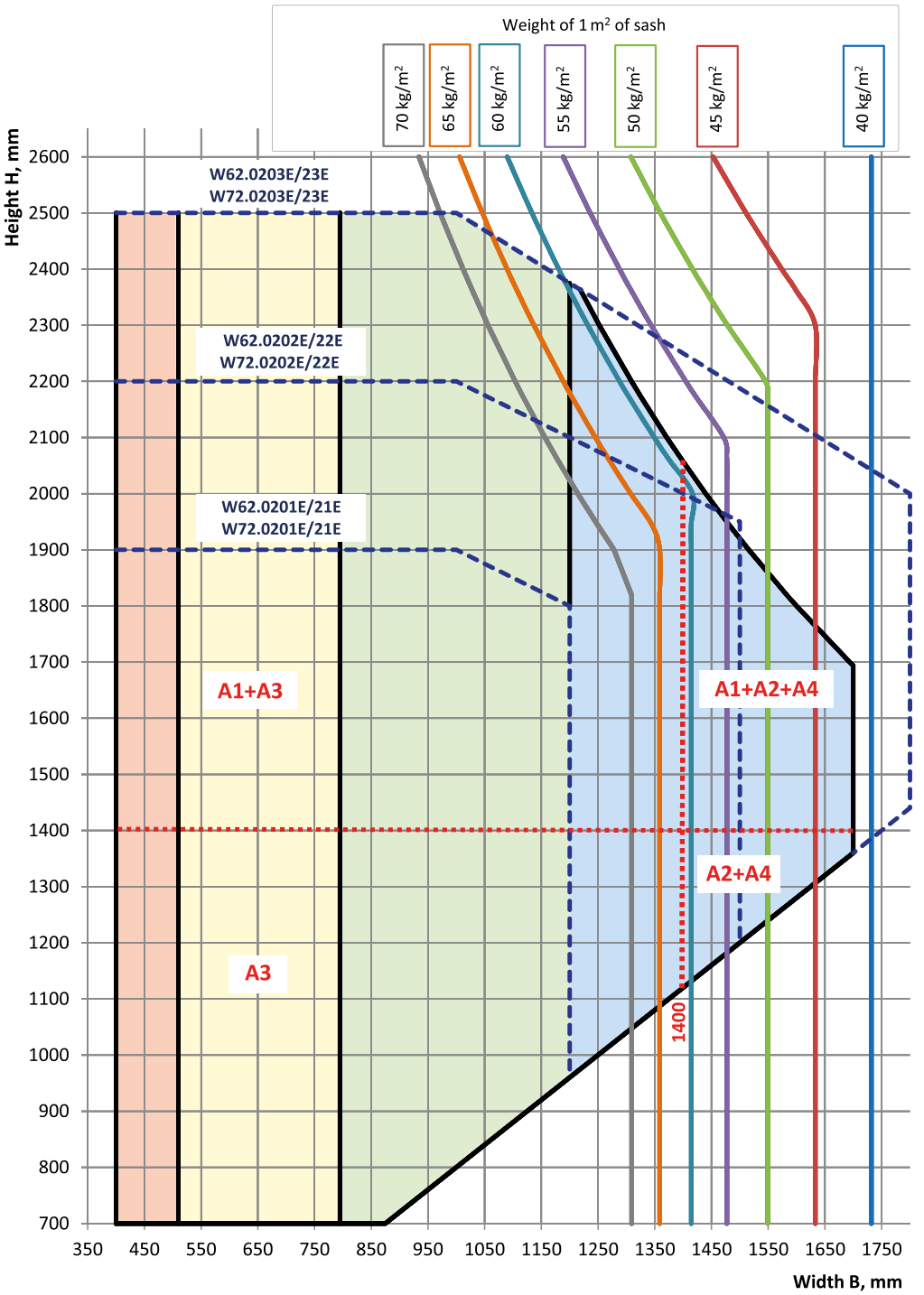
area of use of locking points

sash profiles areas of use

area of possible manufacturing of units from ALT profiles ALT with SAVIO hardware

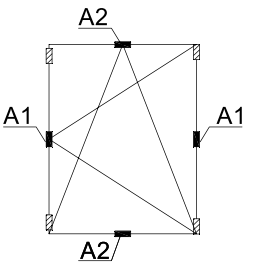
Diagram for selection of sash dimensions and tilt and turn hardware kits SAVIO Ribanta 5

(hinges kit for loads from 110 up to 170 kg)



A1 – 6 locking points kit
A2 – 8 locking points kit

A3 – main kit with vertical latches
A4 – main kit with corner switch



RIBANTA 5 kits

A1- 3200.820 R/L - 6 locking points kit
A2 - 3200.825 R/L - 8 locking points kit
A3 - 3200.20R/L - main kit with vertical latch
A4 - 3200.22R/L - main kit with corner switch

Short compass arm - 3200.770R/L

Medium compass arm - 3200.771R/L

Large compas arm - 3200.772R/L

Addit. compass arm - 3200.800R/L

Hinges kit - 3200.729

short compass arm area of use

medium compass arm area of use

large compass arm area of use

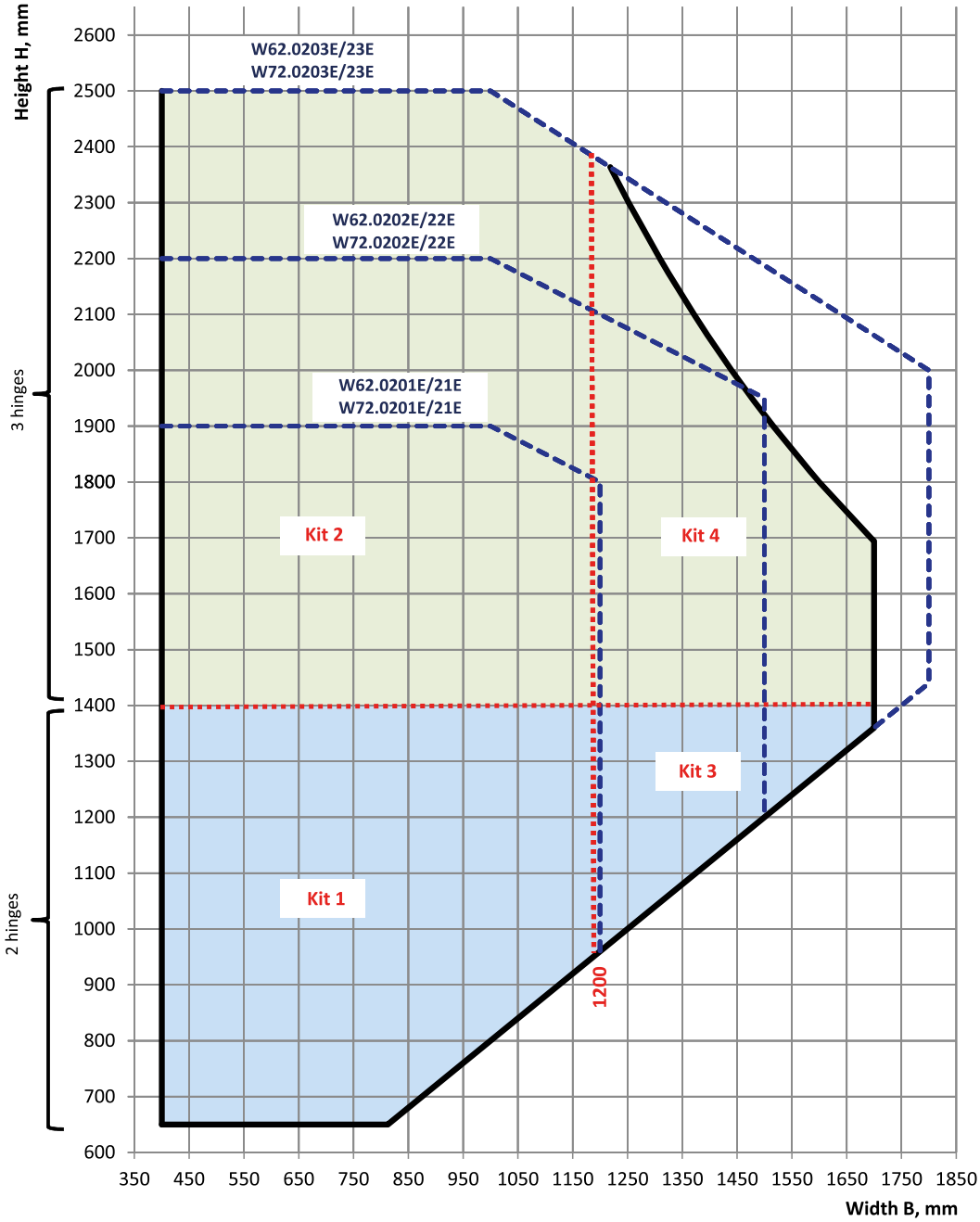
large and addit. compass arm ara of use

area of use of locking points

sash profiles areas of use

area of possible manufacturing of units from ALT profiles ALT with SAVIO hardware

Diagram for selection of sash dimension with ALT W62 profiles and casement hardware kits SAVIO Anta 5 (with Giesse hardware article 00120N)



Anta 5 kit

Kit 1
873.1 - handle - 1 pcs
3200.600 R/L - casement window kit - 1 pcs
1410.705 - upper stopper-support - 2 pcs
50222990 - lower stopper-support - 1 pcs
W62.0601 - 1200 mm

Kit 2
873.1 - handle - 1 pcs
3200.600 R/L - casement window kit - 1 pcs
1243.721W - strike plate - 1 pcs
1410.705 - upper stopper-support - 2 pcs
50222990 - lower stopper-support - 1 pcs
W62.0601 - 2000 mm

Kit 3
873.1 - handle - 1 pcs
3200.600 R/L - casement window kit - 1 pcs
3200.612 - corner switches - 1 kit
3200.615R/L - connecting rods - 1 kit
1410.705 - stopper-support - 1 pcs
W62.0601 - 1200 mm - 2 pcs

Kit 4
873.1 - handle - 1 pcs
3200.600 R/L - casement window kit - 1 pcs
1243.721W - strike plate - 1 pcs
3200.612 - corner switches - 1 kit
3200.615R/L - connecting rods - 1 kit
1410.705 - upper stopper-support - 1 pcs
W62.0601 - 2000 mm - 2 pcs

sash weight up to 75 kg

sash weight up to 85 kg

areas of use of hardware kits

sash profiles areas of use

area of possible manufacturing of units from ALT profiles ALT with STUBLINA hardware

Diagram for selection of sash dimension and SAVIO hardware kits for hopper windows

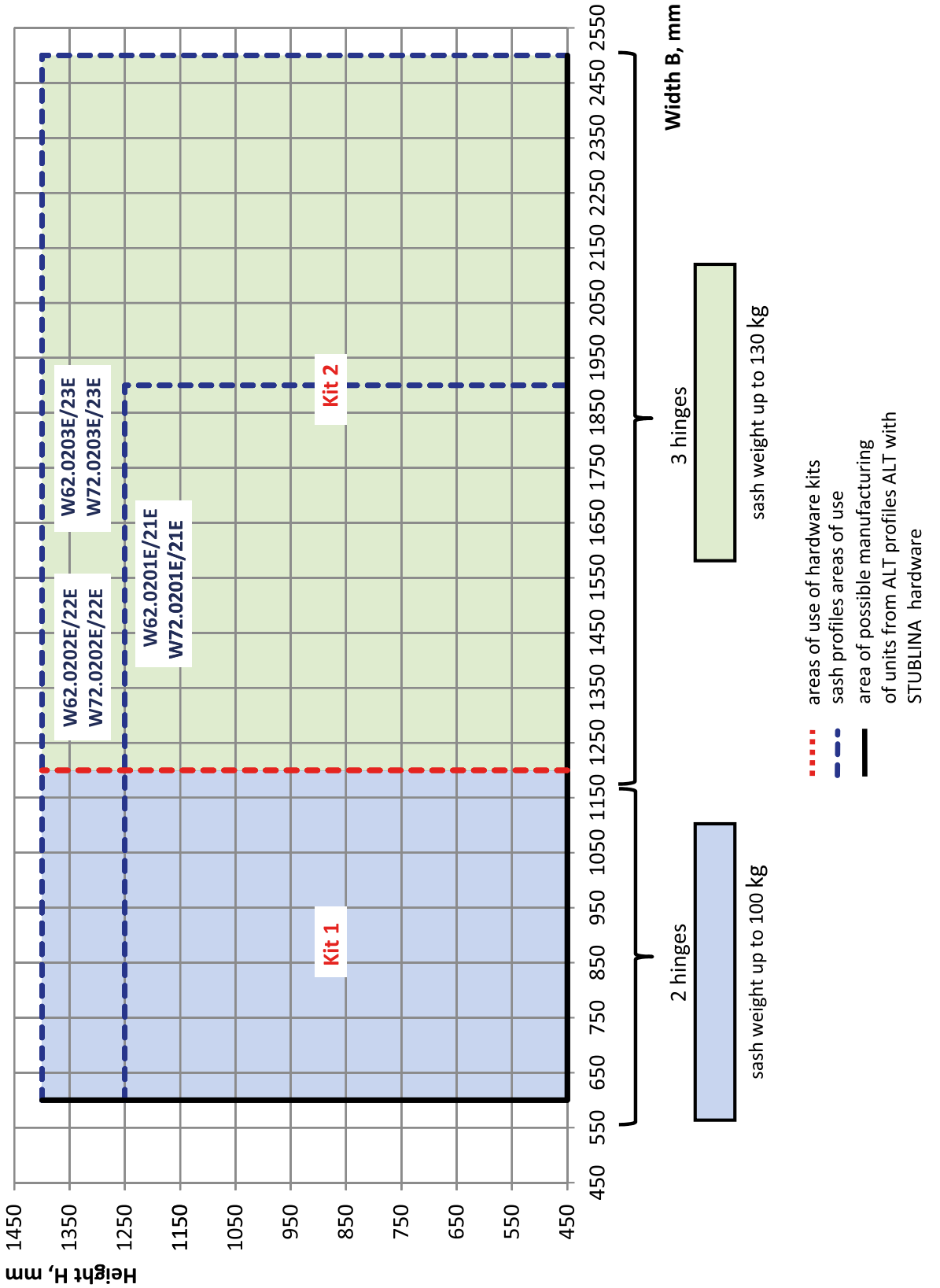
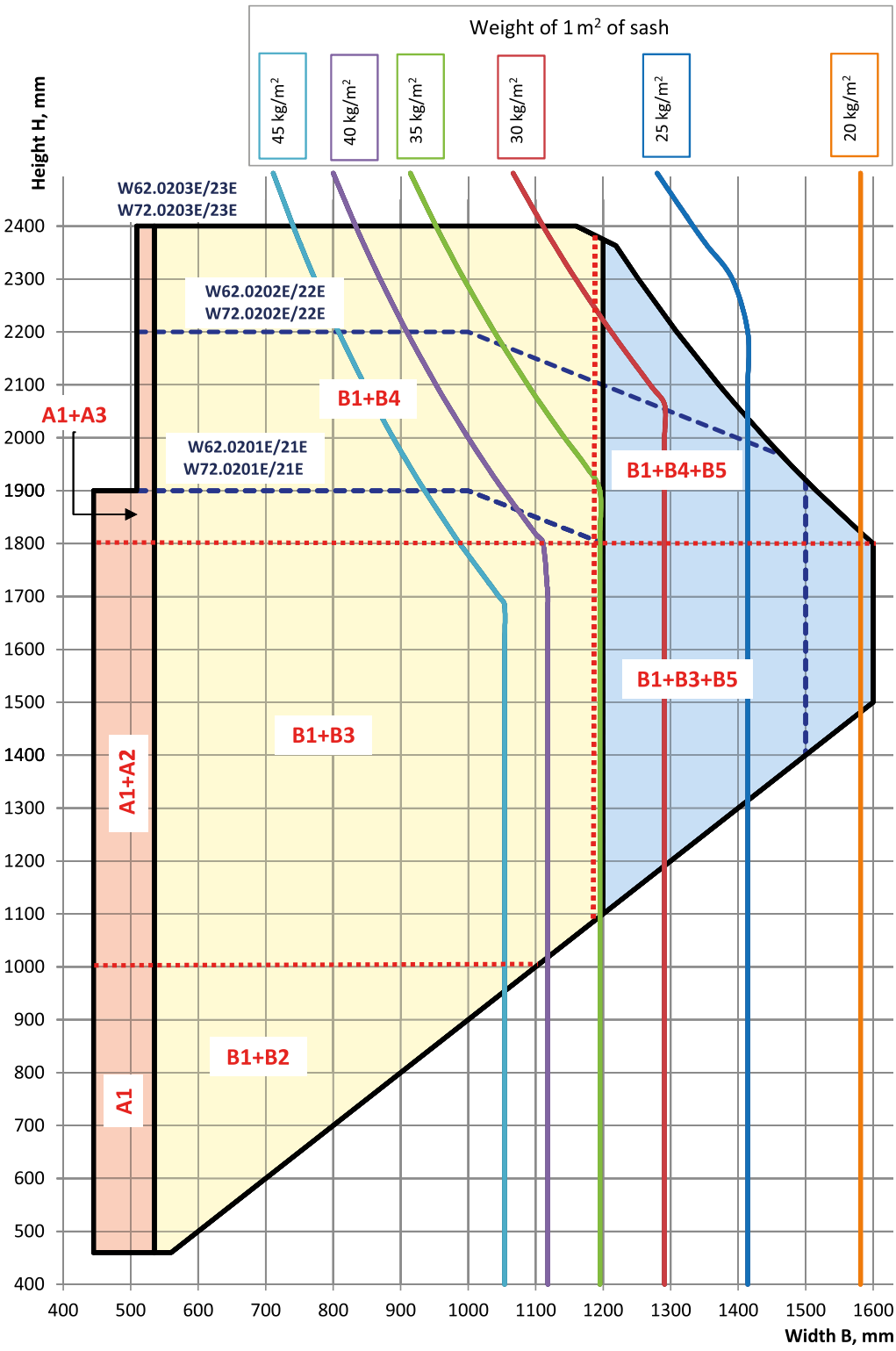


Diagram for selection of sash dimensions and tilt and turn hardware kits STUBLINA 4030.00 (hinges kit for load up to 80 kg) for ALT W62 windows



STUBLINA kits

A1
- 1001.00 handle with fastening (1 pcs)
- 4030.01 short compass (1 pcs)
- 4010.10 basic kit (1 pcs)
- 4035.30 hinges kit (1 kit)
- 4010.20 corner switch (1 pcs)

A2
- 4003.00 locking point (2 pcs)

A3
- 4003.00 locking poing (3 pcs)
- 4010.40 addit. corner switch and catch (1 pcs)

B1
- 1001.00 handle with fastening (1pcs)
- 4030.02 medium compass (1 pcs)
- 4010.10 basic kit (1 pcs)
- 4035.30 hinges kit (1 kit)
- 4010.20 corner switch (1 pcs)

B2
- 4003.00 locking point (2 pcs)
- 4010.40 addit. corner switch and catch (1 pcs)

B3
- 4003.00 locking point (2 pcs)
- 4010.40 addit. corner switch and catch (2 pcs)

B4
- 4003.00 locking point (3 pcs)
- 4010.40 addit. corner switch and catch (2 pcs)

B5
- 4010.50 addit. compass (1 pcs)

short compass arm area of use

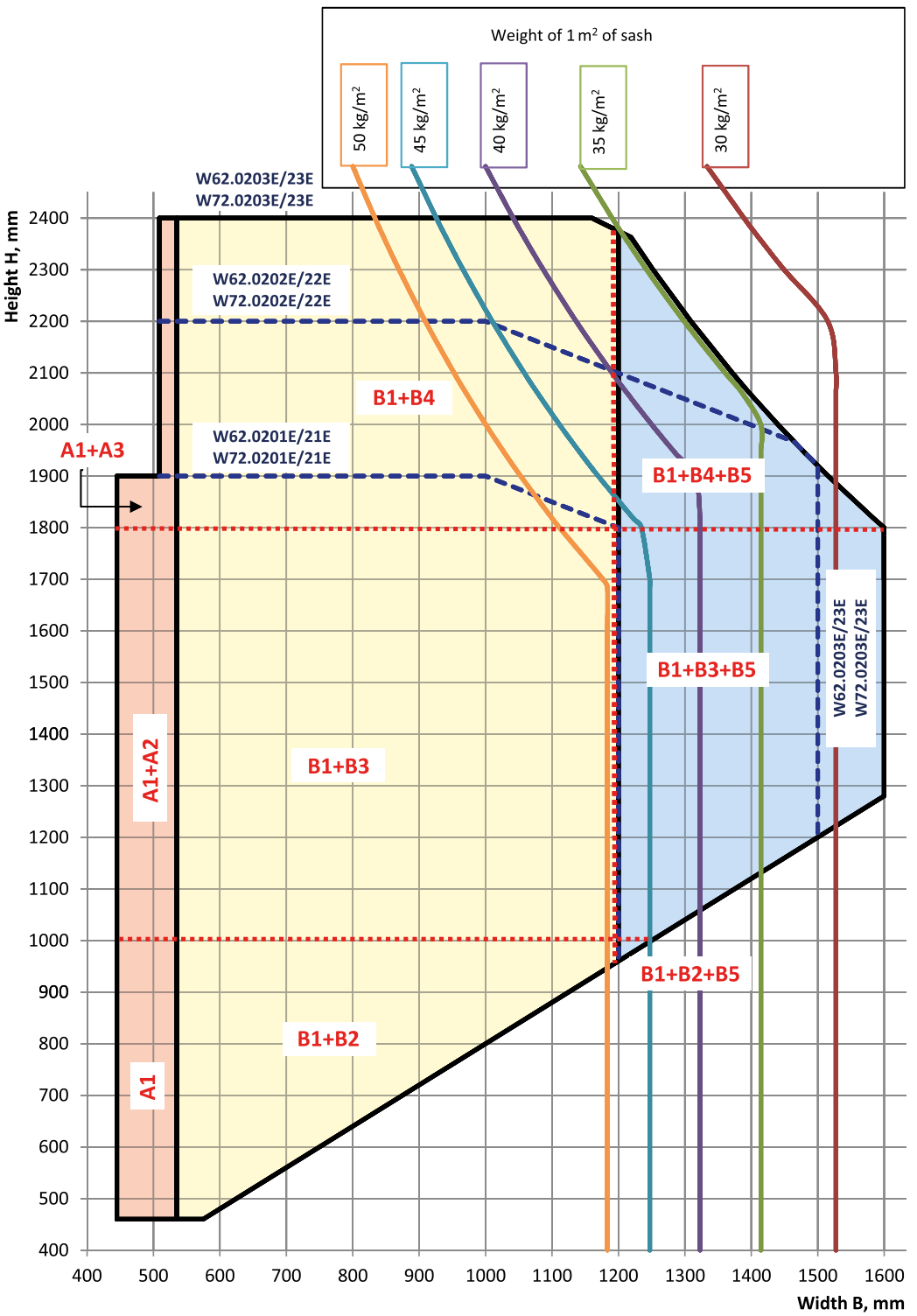
medium compass arm area of use

medium and addit. compass arm area of use

areas of use of hardware kits
sash profiles areas of use
area of possible manufacturing of units from ALT profiles ALT with STUBLINA hardware

* micro ventilation is as an option 4010.60 (1 pcs)

Diagram for selection of sash dimensions and tilt and turn hardware kits STUBLINA 4010.00 (hinges kit for load up to 100 kg) for ALT W62 windows



STUBLINA kits

A1
- 1001.00 handle with fastening (1 pcs)
- 4010.01 short compass (1 pcs)
- 4010.10 basic kit (1 pcs)
- 4010.30 hinges kit (1 kit)
- 4010.20 corner switch (1 pcs)

A2
- 4003.00 locking point (2 pcs)

A3
- 4003.00 locking poing (3 pcs)
- 4010.40 addit. corner switch and catch (1 pcs)

B1
- 1001.00 handle with fastening (1pcs)
- 4010.02 medium compass (1 pcs)
- 4010.10 basic kit (1 pcs)
- 4010.30 hinges kit (1 kit)
- 4010.20 corner switch (1 pcs)

B2
- 4003.00 точка запирания (2 шт.)
- 4010.40 addit. corner switch and catch (1 pcs)

B3
- 4003.00 locking point (2 pcs)
- 4010.40 addit. corner switch and catch (2 pcs)

B4
- 4003.00 locking point (3 pcs)
- 4010.40 addit. corner switch and catch (2 pcs)

B5
- 4010.50 addit. compass (1 pcs)

short compass arm area of use

medium compass arm area of use

medium and addit. compass arm area of use

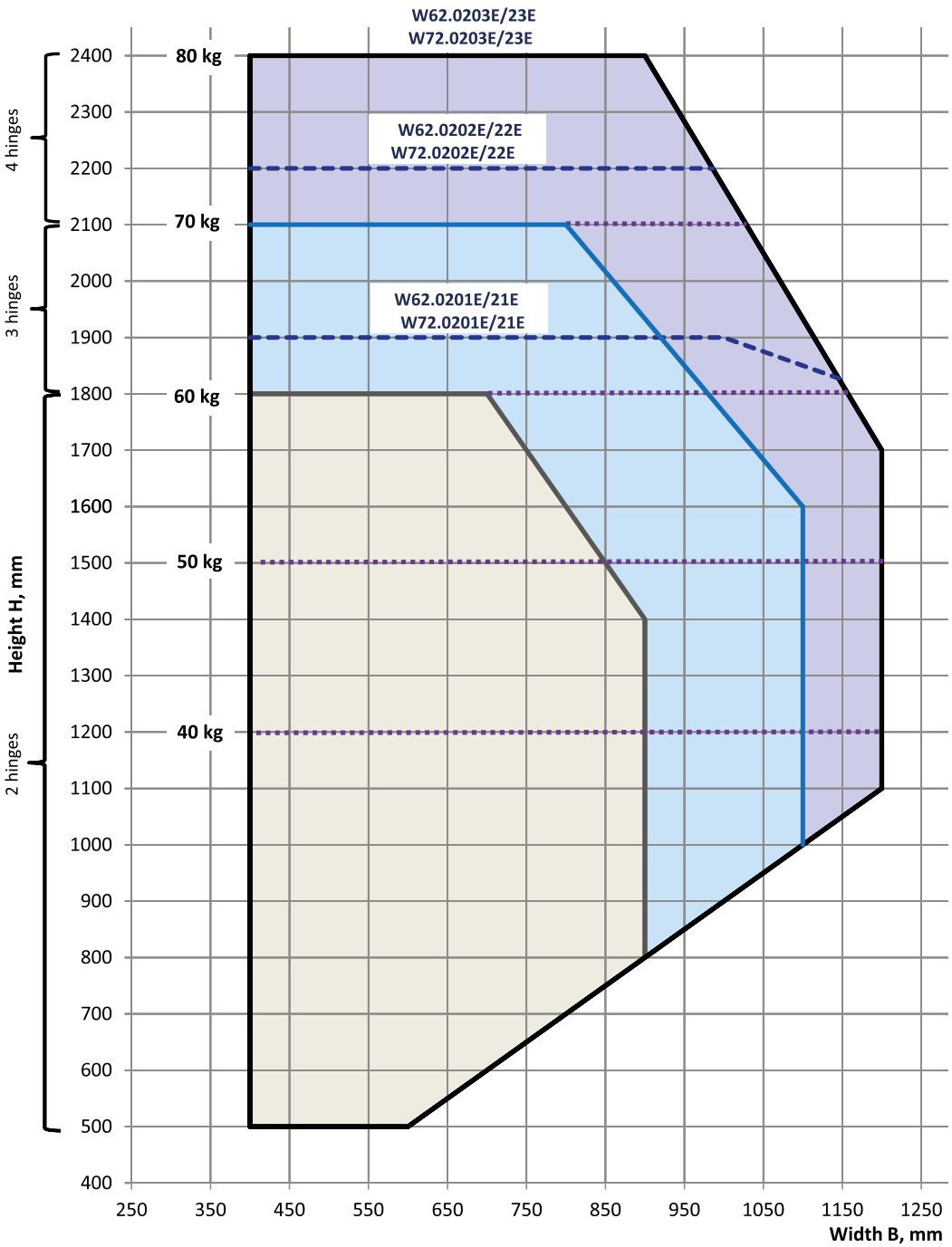
areas of use of hardware kits

sash profiles areas of use

area of possible manufacturing of units from ALT profiles ALT with STUBLINA hardware

* micro ventilation is as an option 4010.60 (1 pcs)

Diagram for selection of ALT W62 system sash dimensions and tilt and turn hardware kits STUBLINA (hinge 2022.00)

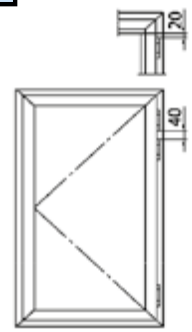


STUBLINA kits

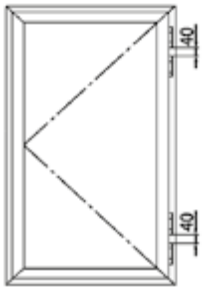
Hardware kits for locking are selected according to manufacturer's catalog

area for 2 hinges

area for 3 hinges



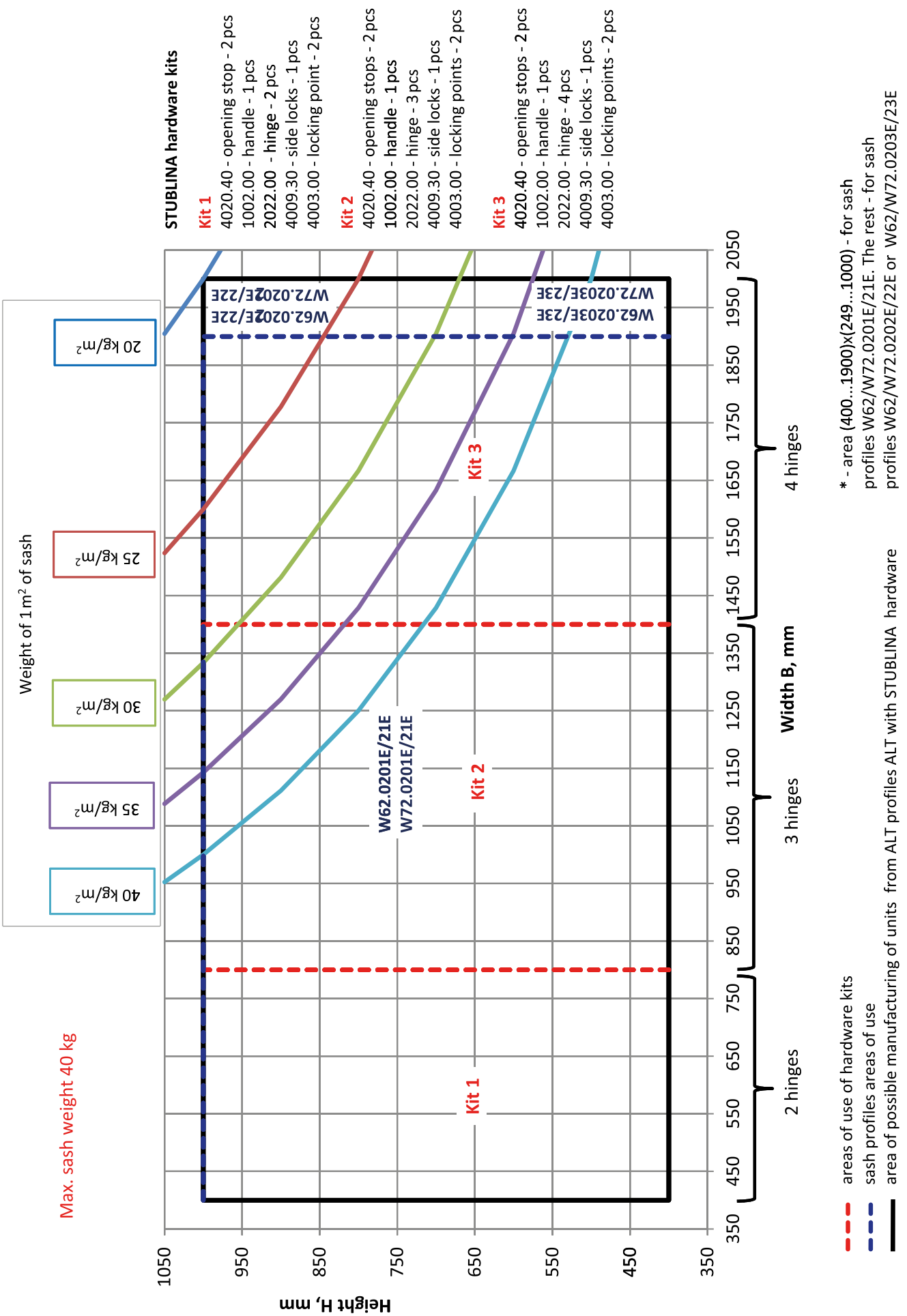
area of 4 hinges



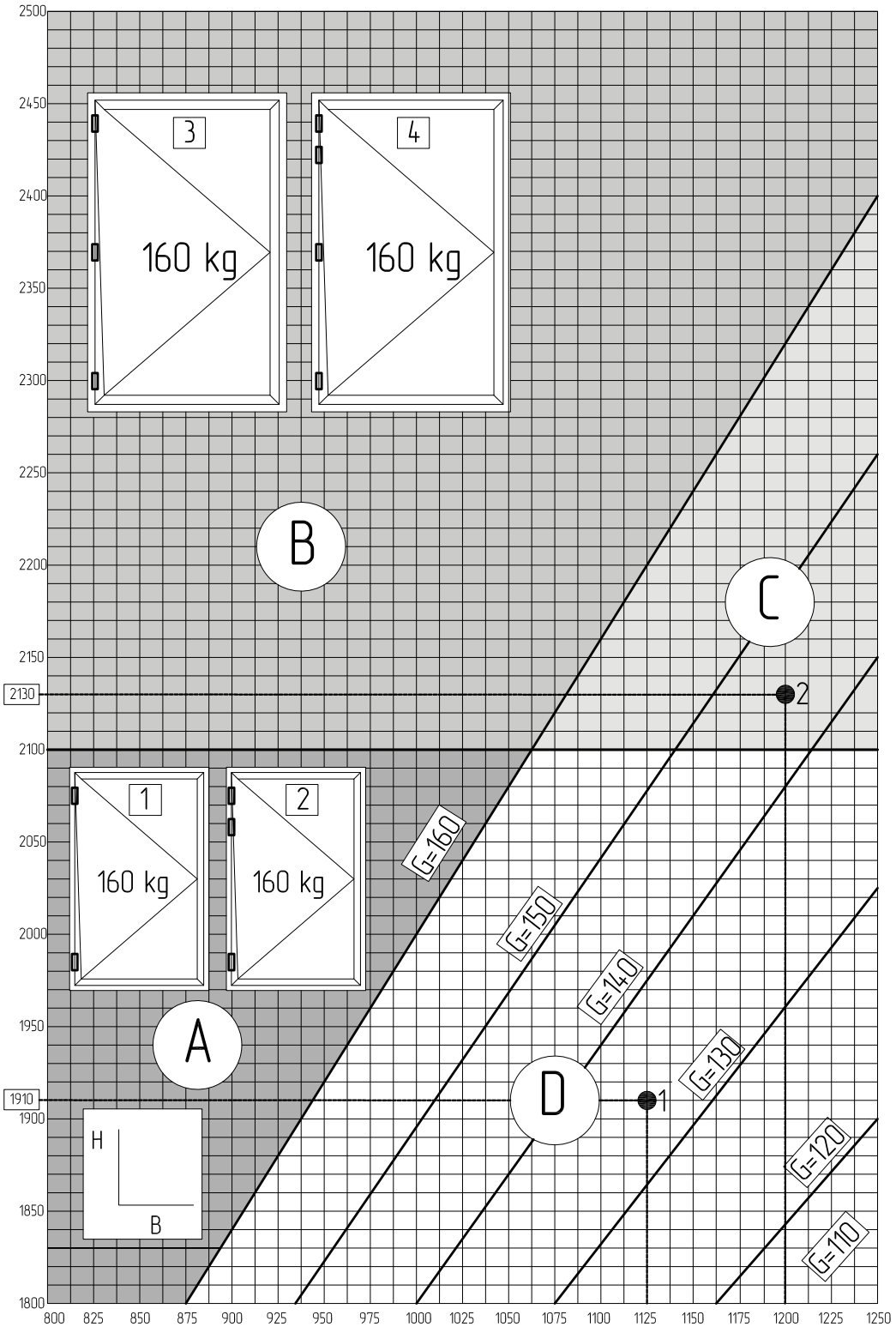
sash profiles areas of use

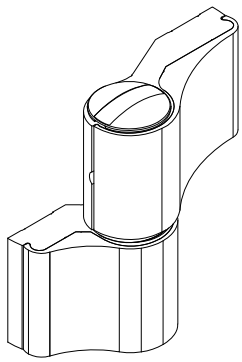
area of possible manufacturing of units from ALT profiles ALT with STUBLINA hardware

Diagram for selection of sash dimension and STUBLINA hardware kits for hopper windows ALT W62



Hinges installation scheme depending on sash dimension and weight





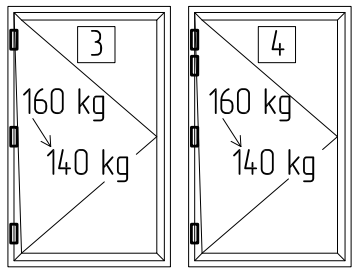
Alutech hinges

2AH67 or 3AH67
2AH92 or 3AH92

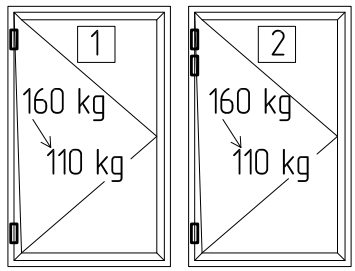
Fapim hinges

7010i or 7013i
7050Vi

For zone C

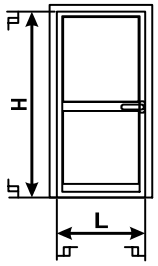


For zone D

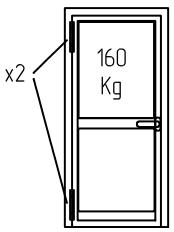


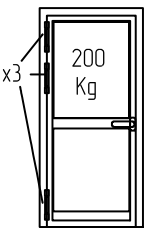
A and B zones Max. weight – 160 kg.
D zone Max. sash variable weight – 160 ... 110 kg depending on dimensions
C zone Max. sash variable weight – 160 ... 140 kg depending on dimensions.
1,2,3,4 – Hinges installation options. Options 2 and 4 are used in case of intensive use of doors (example: public buildings) and use of door closers and automatic drives
Example 1. H = 1910 mm B = 1125 mm Sash weight – 135 kg (interpolation between lines G=140 and G=130)
Example 2. H = 2130 mm B = 1200 mm Sash weight – 145 kg (interpolation between lines G=150 and G=140)

Hinges installation scheme depending on sash dimension and weight



Pmax \ L	600	700	800	900	1000	1100	1200	1300
2500	160	160	160	160	160	160	160	
2400	160	160	160	160	160	160	160	
2300	160	160	160	160	160	160	149	
2200	160	160	160	160	160	160	136	
2100	160	160	160	160	160	146	128	
2000	160	160	160	160	160	136	120	
1900	160	160	160	160	146	126	114	
1800	160	160	160	160	293	117	107	
1700	160	160	160	144	123	110	101	
1600	160	160	160	131	114	104	96	
1500	160	160	142	120	107	98	91	
1400	160	160	128	110	101	93	88	
1300	160	141	117	102	94	88	83	
1200	160	125	107	96	90	83	X	

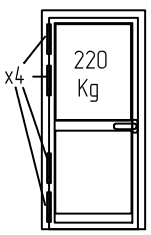




(*)

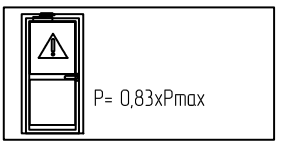
Pmax \ L	600	700	800	900	1000	1100	1200	1300
2500	200	200	200	200	200	200	200	
2400	200	200	200	200	200	200	200	
2300	200	200	200	200	200	200	186	
2200	200	200	200	200	200	200	170	
2100	200	200	200	200	200	182	160	
2000	200	200	200	200	200	170	150	
1900	200	200	200	200	182	158	142	
1800	200	200	200	200	366	146	134	
1700	200	200	200	180	154	138	126	
1600	200	200	200	164	142	130	120	
1500	200	200	178	150	134	122	114	
1400	200	200	160	138	126	116	110	
1300	200	176	146	128	118	110	104	
1200	200	156	134	120	112	104	X	

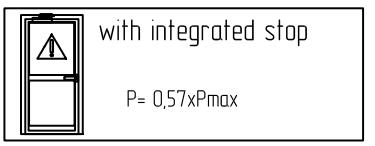
Pmax \ L	600	700	800	900	1000	1100	1200	1300
2500	220	220	220	220	220	220	220	
2400	220	220	220	220	220	220	220	
2300	220	220	220	220	220	220	205	
2200	220	220	220	220	220	220	187	
2100	220	220	220	220	220	200	176	
2000	220	220	220	220	220	187	165	
1900	220	220	220	220	200	174	156	
1800	220	220	220	220	403	161	147	
1700	220	220	220	198	169	152	139	
1600	220	220	220	180	156	143	132	
1500	220	220	196	165	147	134	125	
1400	220	220	176	152	139	128	121	
1300	220	194	161	141	130	121	114	
1200	220	172	147	132	123	114	X	

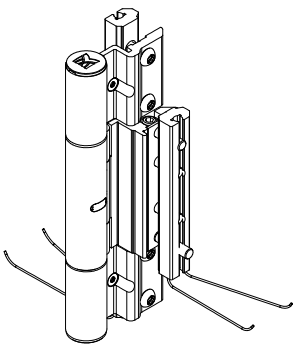


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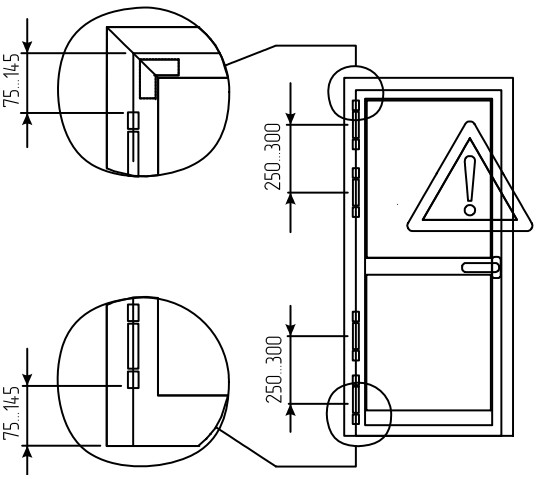
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Alutech hinges

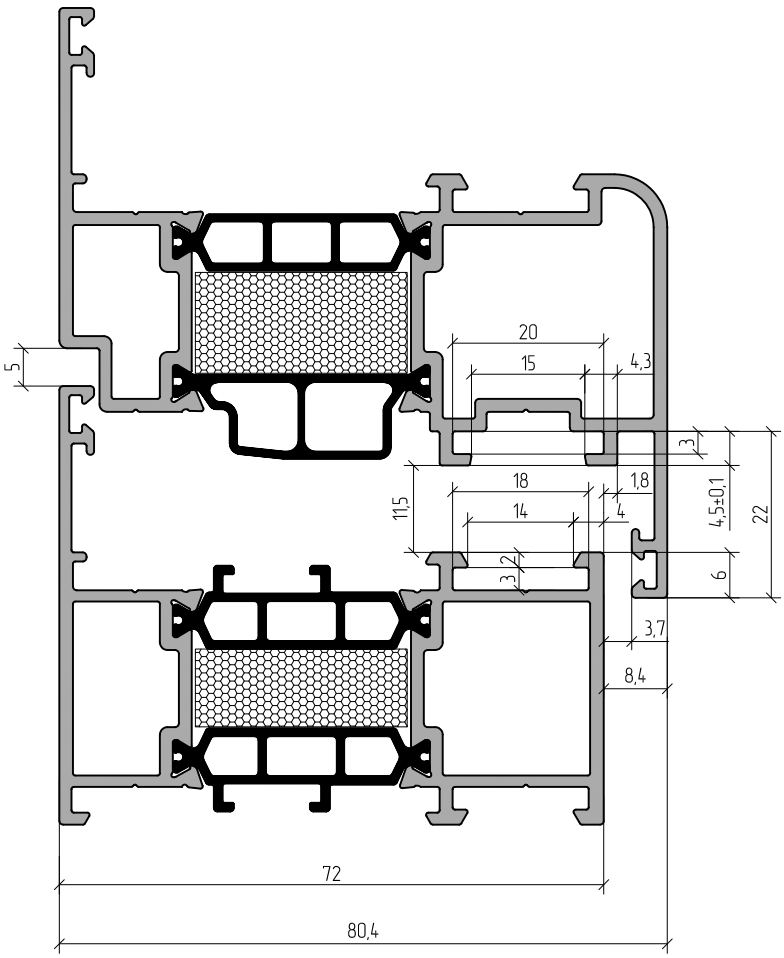


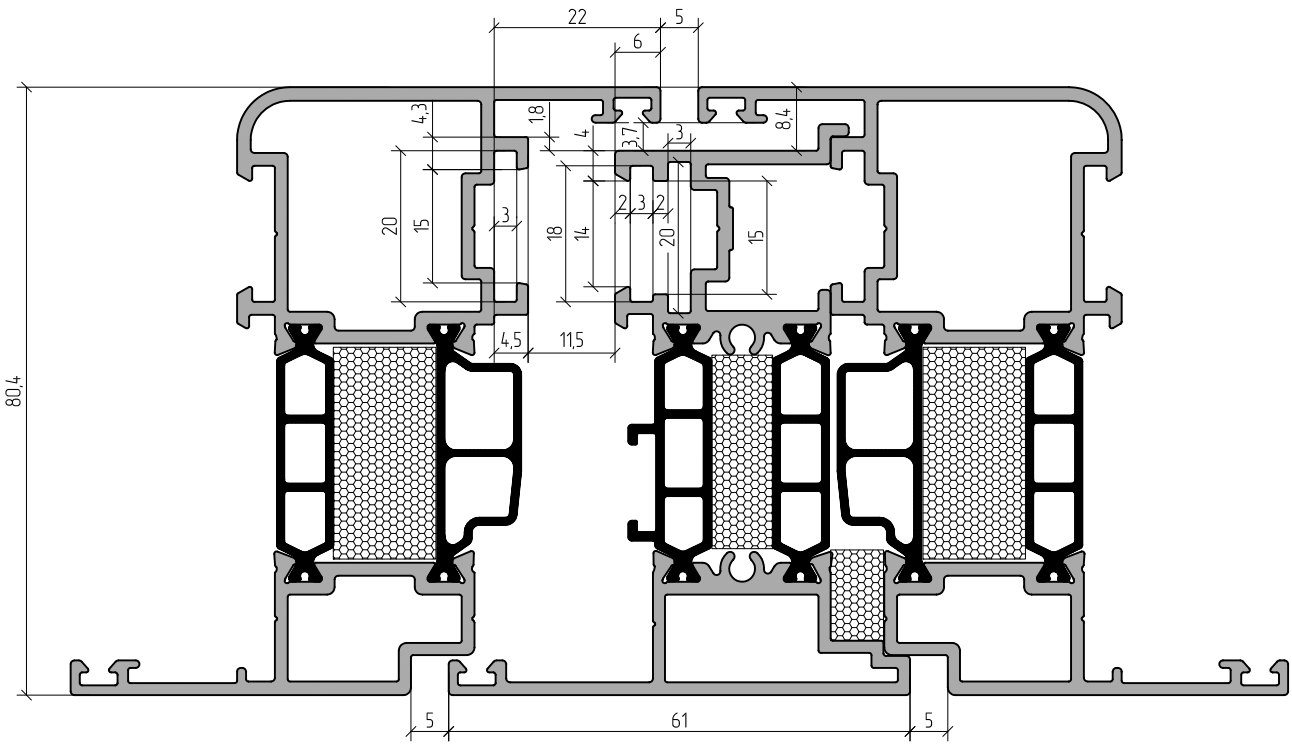
ALTW72
Window and door system
with thermal break

Hardware

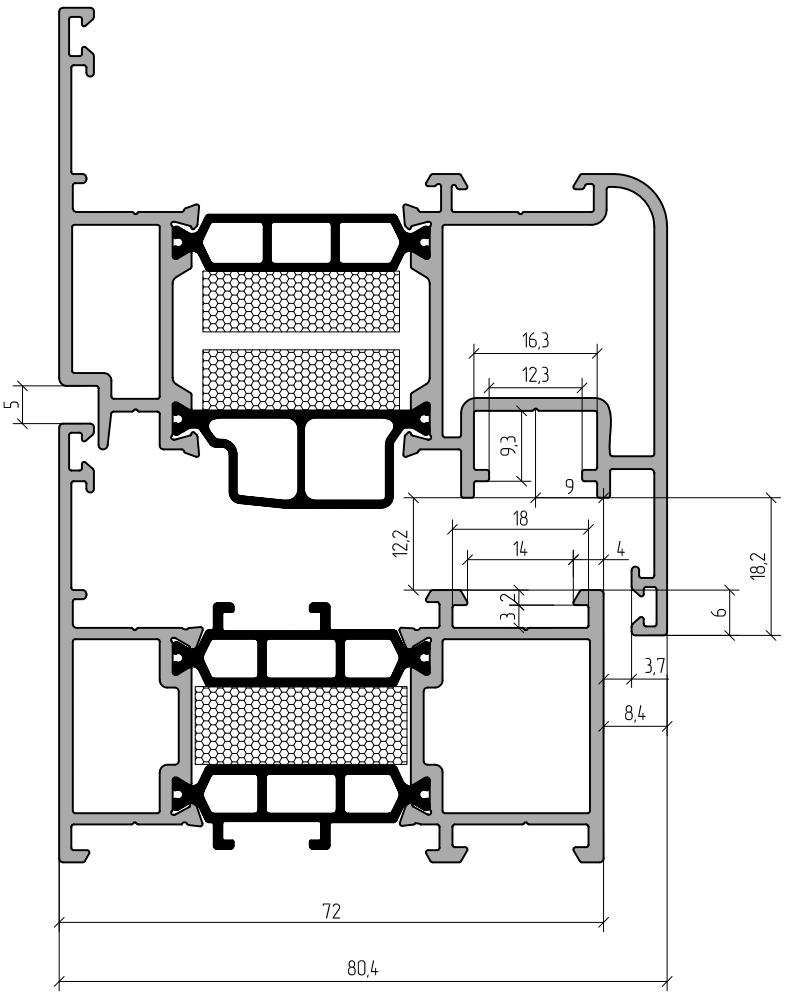
12

Groove dimensions and relative positions of window frame and sash profiles



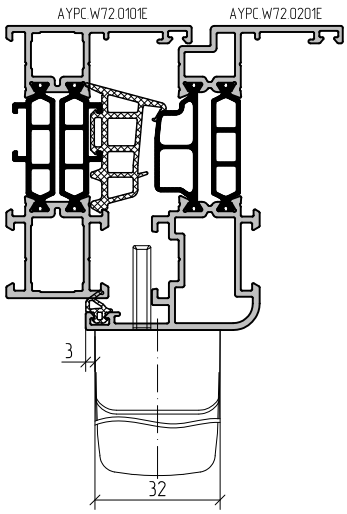


Groove dimensions and relative positions of window frame and sash profiles with PVC-groove

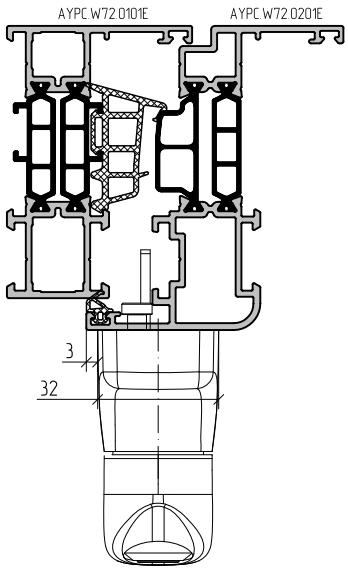


Examples of window hardware installation to sash and frame profiles

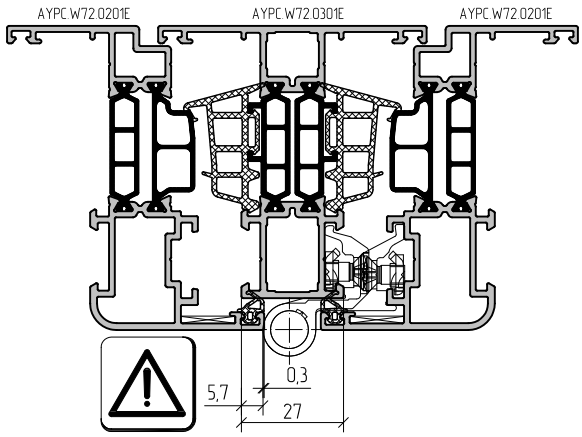
MANON 873.1 window handle



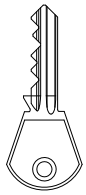
MANON 873.753 window handle



FLASH 00120 N window handle

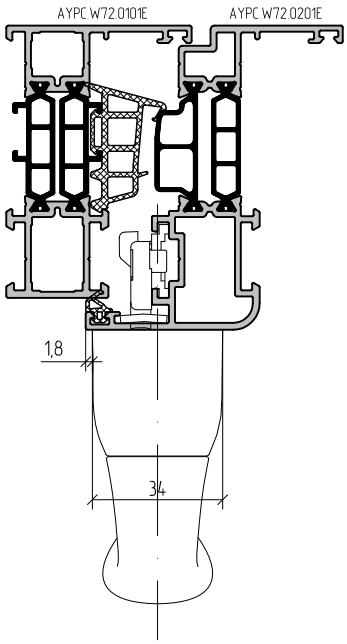


SAVIO

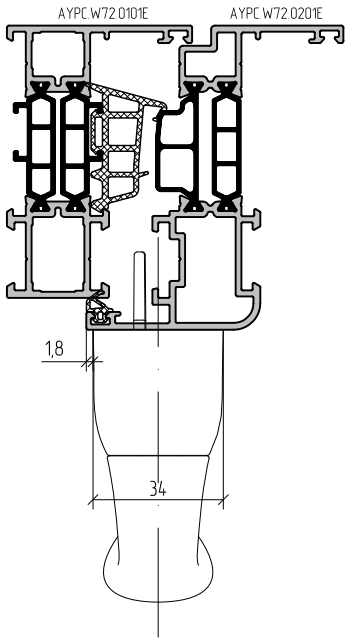


GIESSE

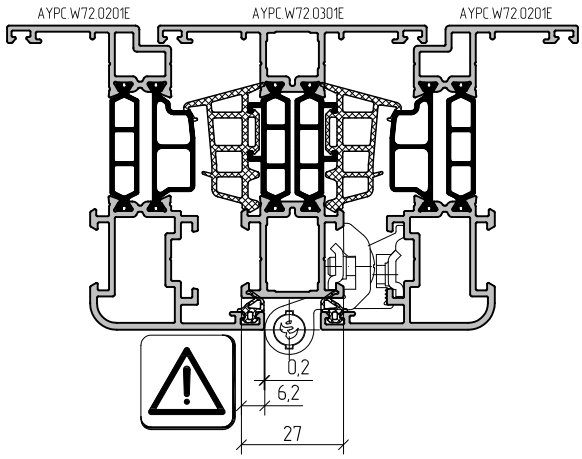
1001.00 window handle



1002.00 window handle

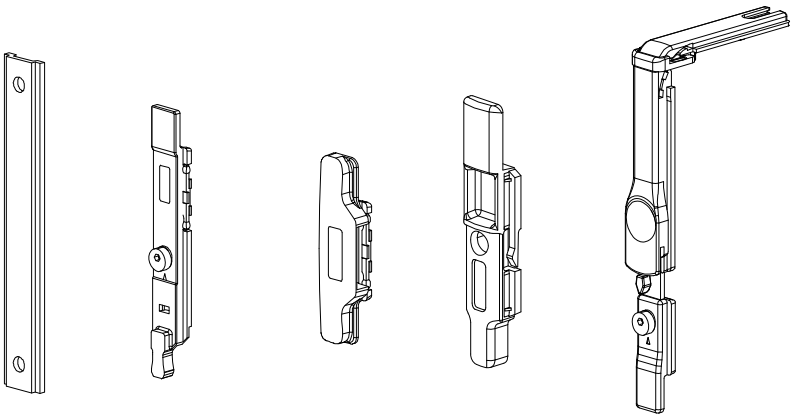


2022.00 window hinge



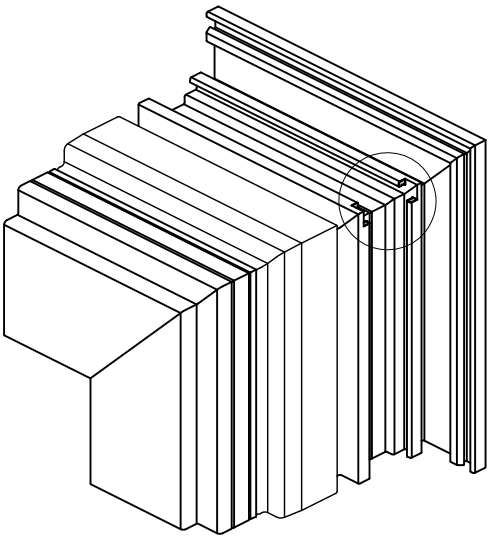
stublina®
OpenClose Technology

Machining of AYPC.W72.0201E,-0202E,-0203E, AYPC.W72.0221E, -0222E, -0223E profiles for window hardware installation

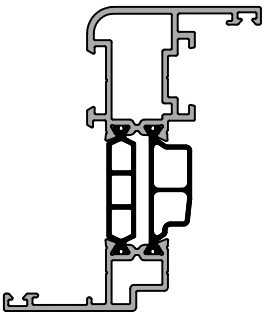


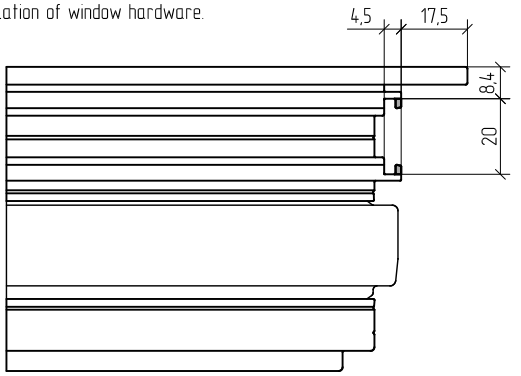


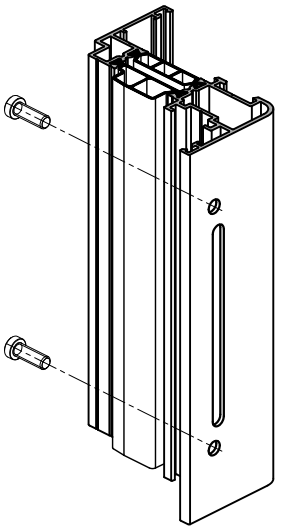
PW72.1
operation №6

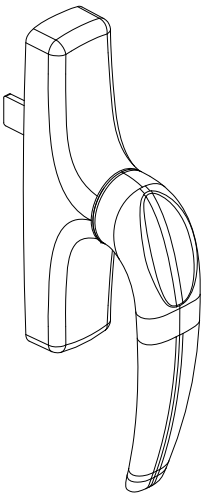


Sash machining for installation of window hardware.

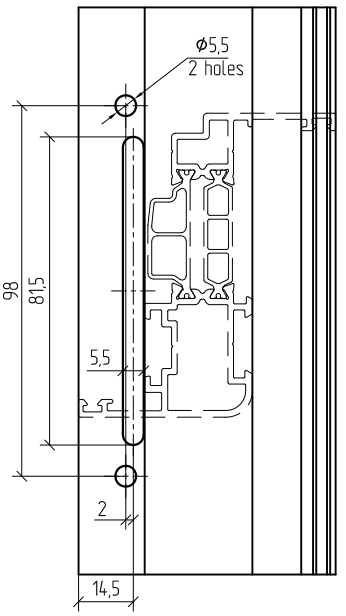




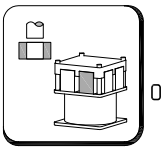




Sash machining for window handle installation.

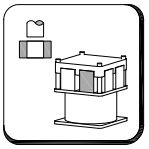




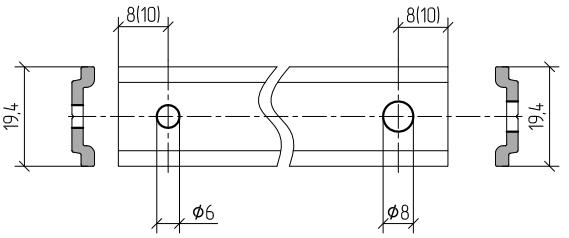


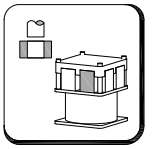
PW72.1
operation №1

AYPC.C48.0612 rod profile machining.



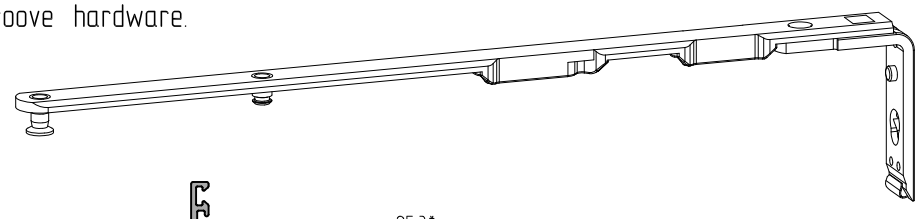
PW72.1
operation №2

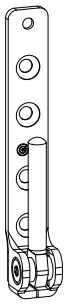




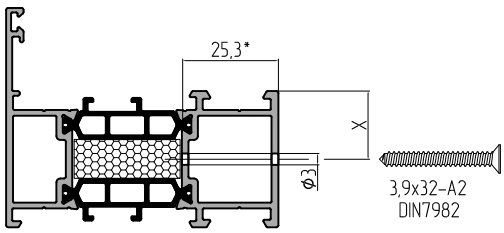
PW72.1
operation №3

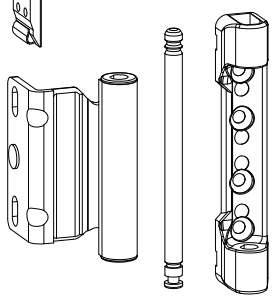
Machining of AYPC.W72.0102E frame profile for hinge installation (of upper compass arm) for windows with PVC-groove hardware.





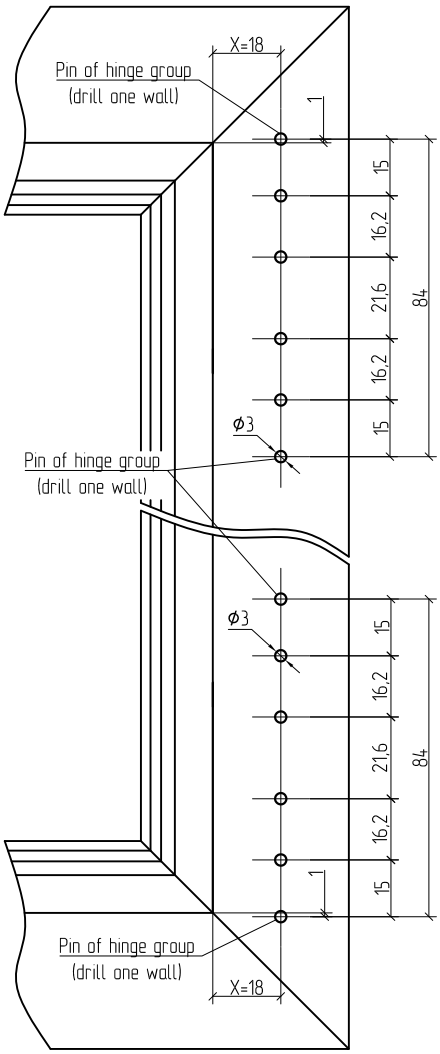
Bottom frame part of hinge



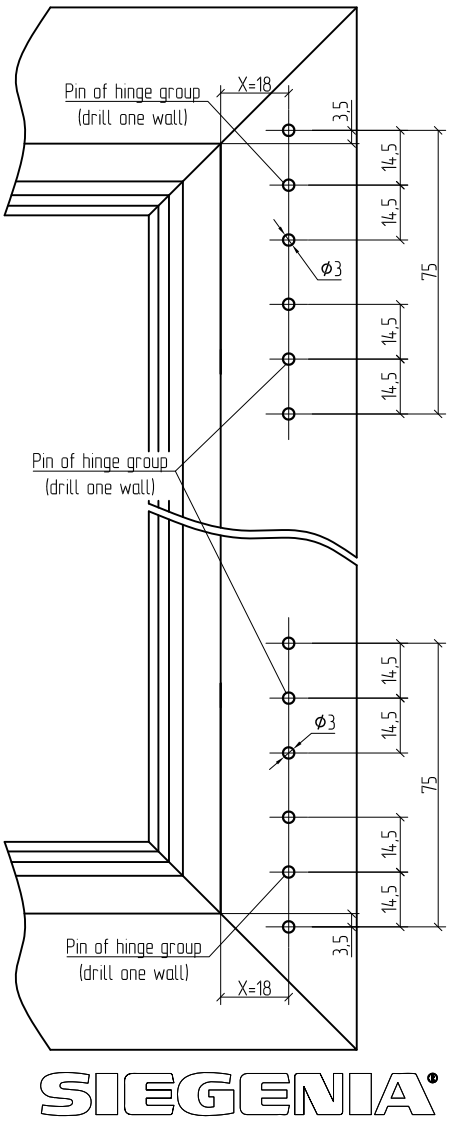


Upper hinge and compass arm

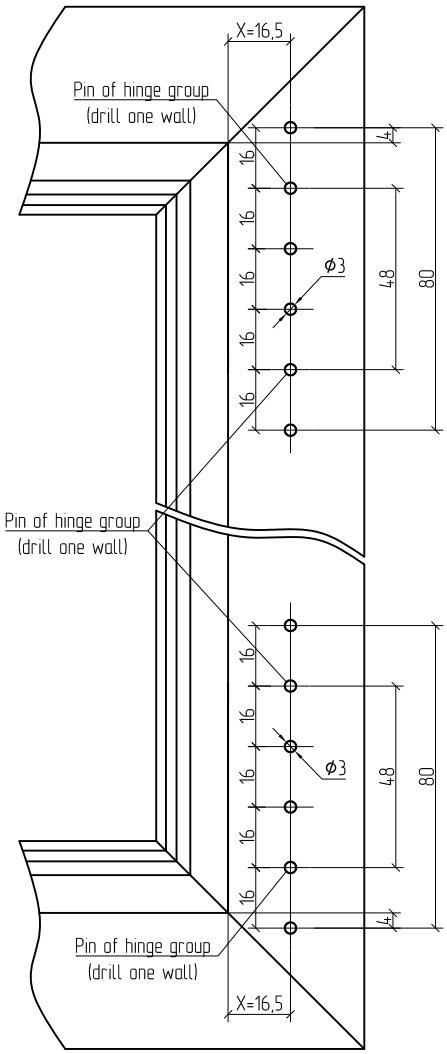
Machining for GU UNI-JET D installation



Machining for Sigenia AUBI installation



Machining for ROTO NT installation



SIEGENIA®

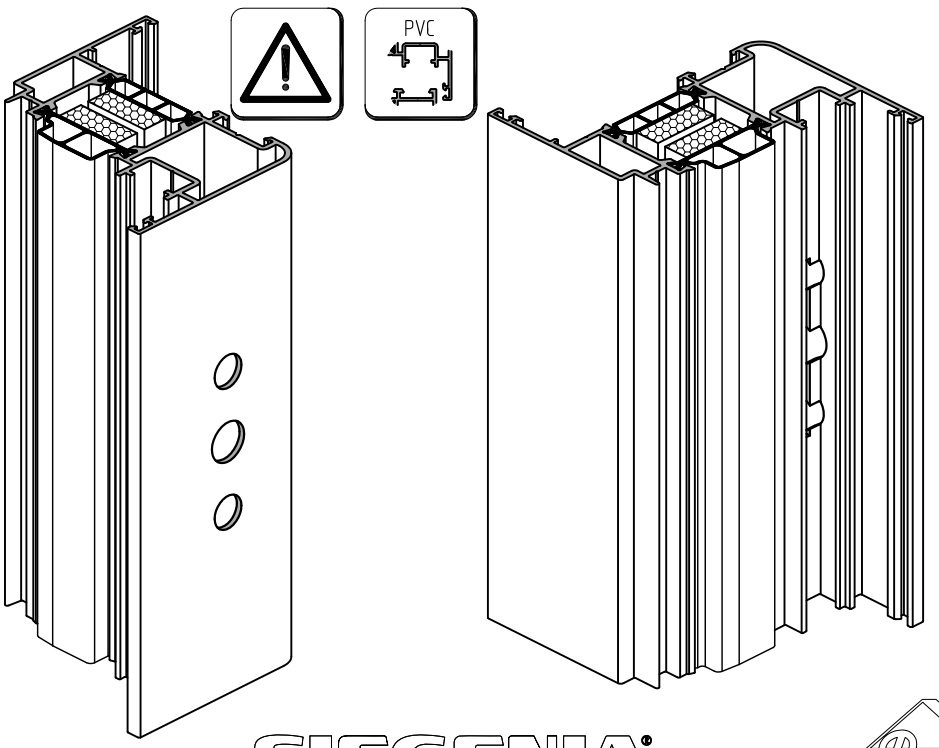
GU BKS
FERCO

PVC

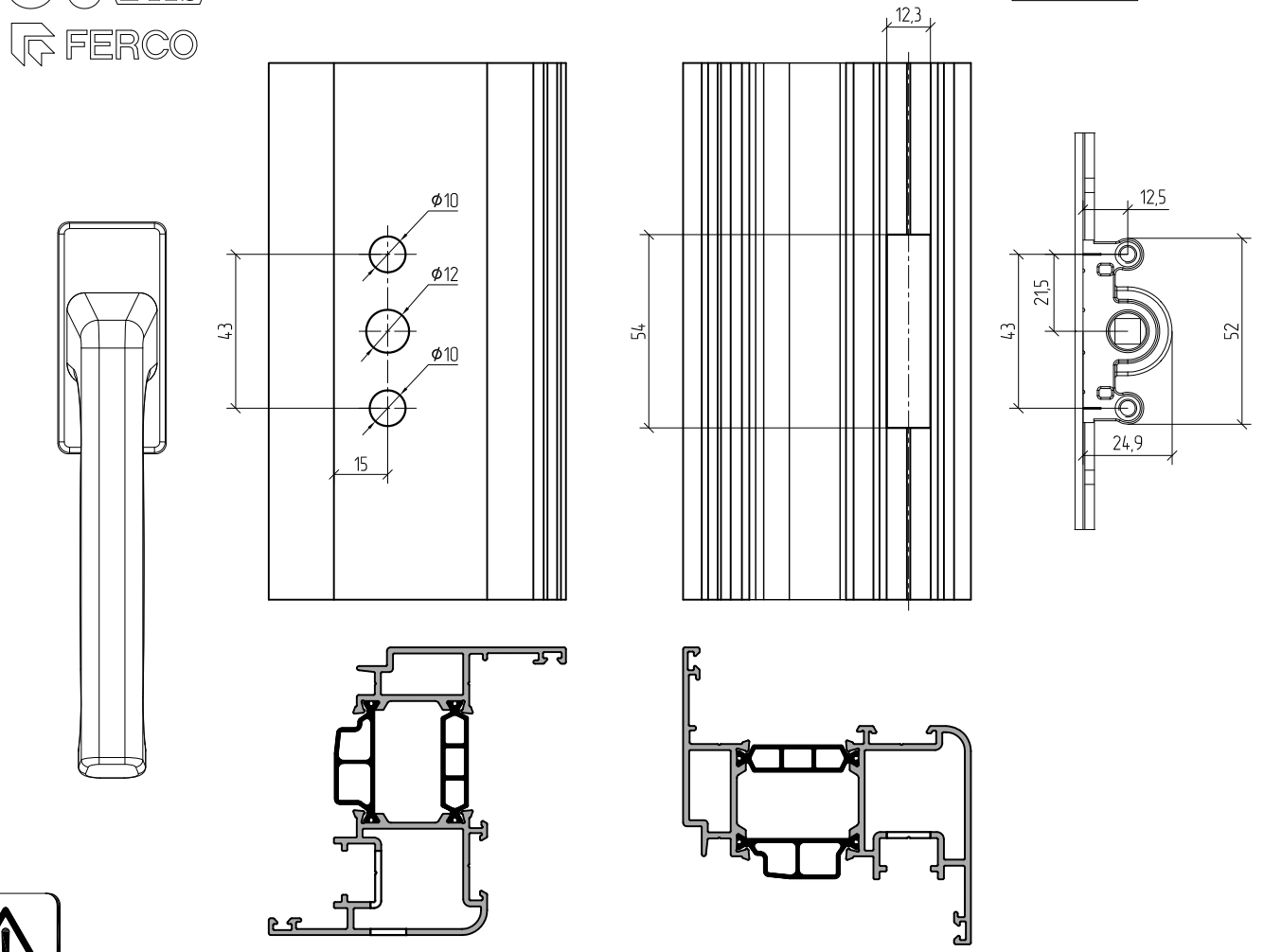
Roto

Drill two walls of frame profile for hinge fixation. Use hardware suppliers' jigs while drilling

Machining of sash profile AYPC.W72.0212E for installation of window hardware into PVC-groove.

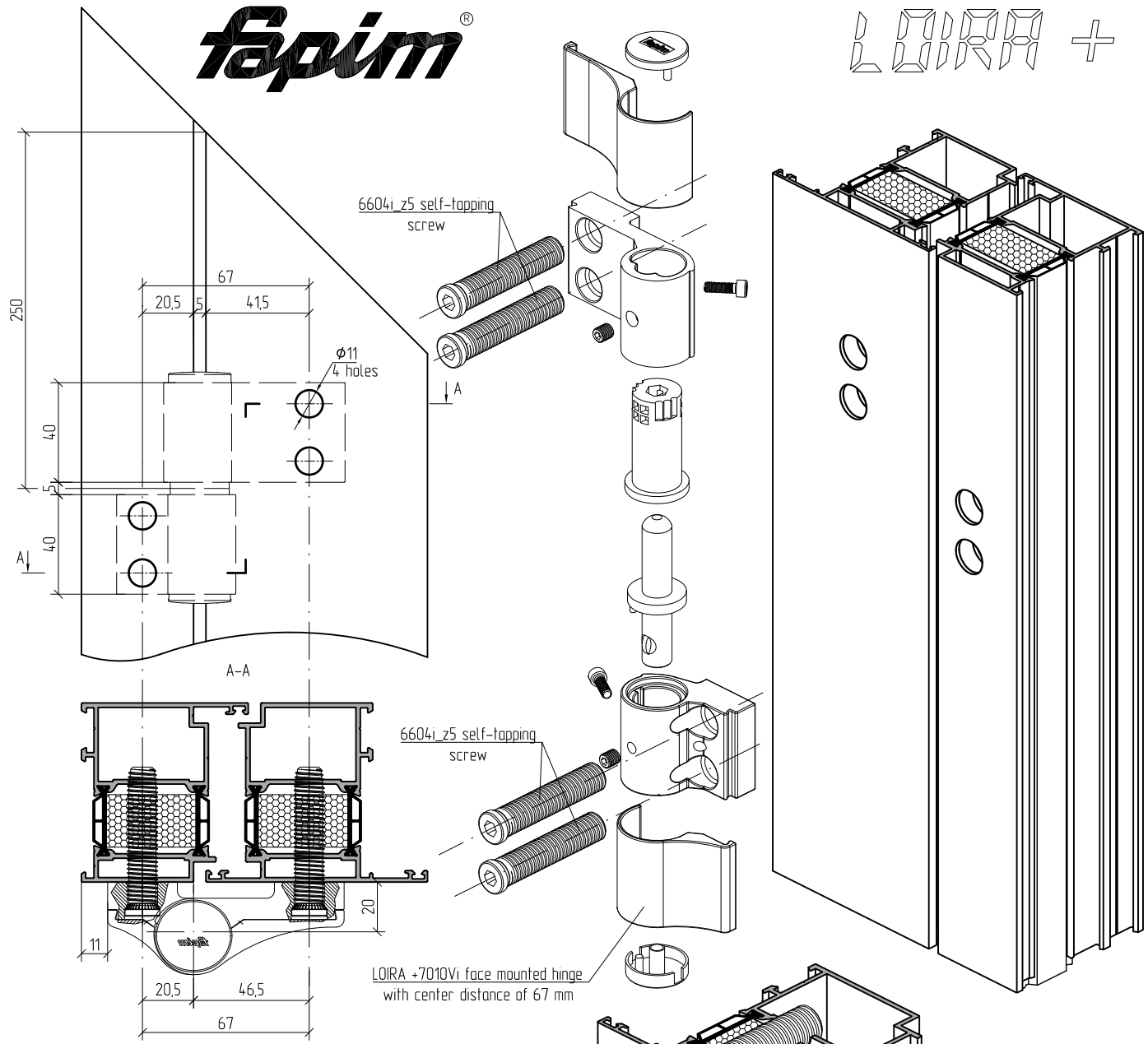


G-U BKS FERCO SIEGENIA Roto

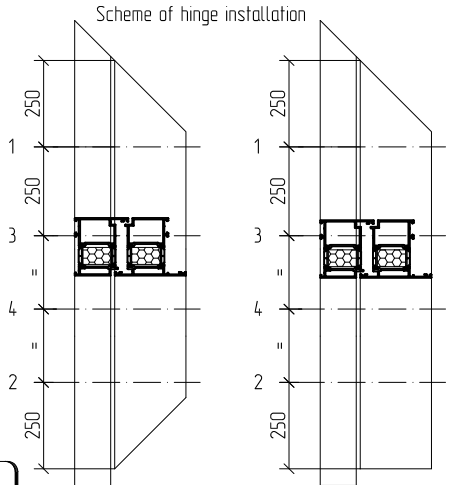


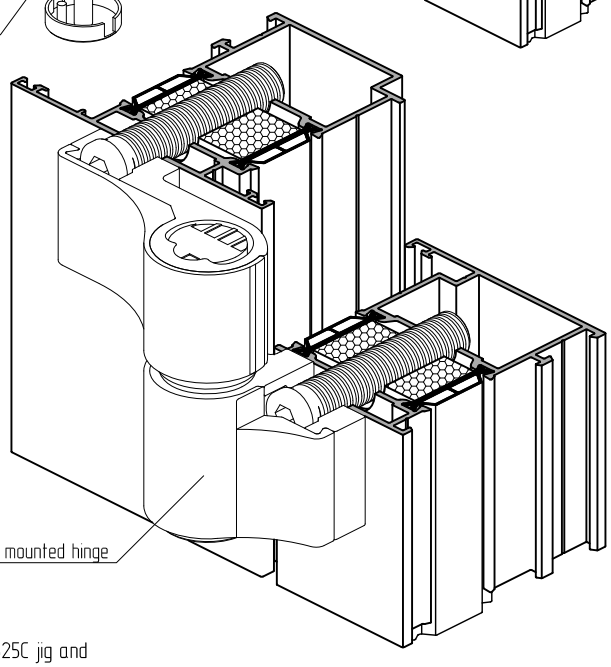
While machining a space for a drive and handle please, use instructions of hardware suppliers

Example of profile machining for installation of LOIRA+ 7010Vi two-section face mounted hinges



Scheme of hinge installation

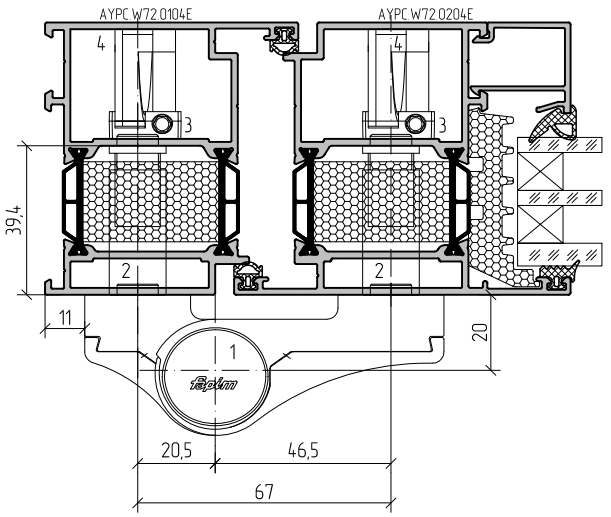




While machining profiles for hinges installation please use Unix 6825 or 6825C jig and 6873 cutter (for fixation with anchors) or 6877 cutter (for fixation with insert elements).

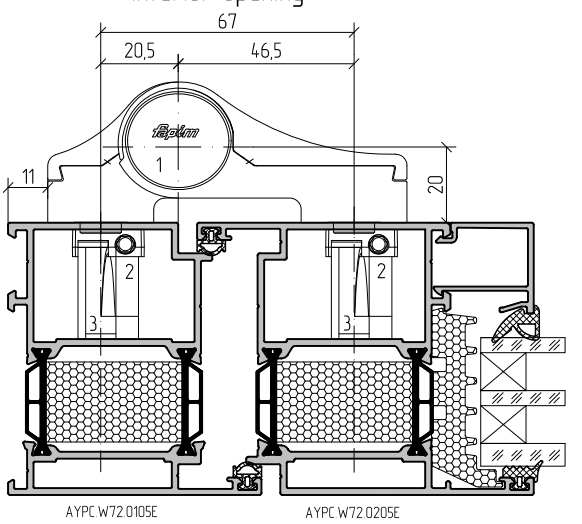
Examples of face mounted hinges installation on door leaf and frame profiles

Exterior opening



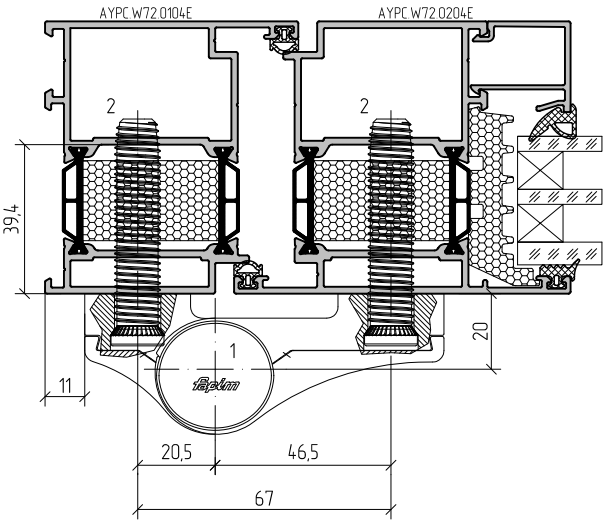
1 – LOIRA+, 7010i or 7013i face mounted hinges with center distance of 67 mm
2 – 6664F kit of non-adjustable bushes
3 – kit of insert plates 6620i (for 7010i) or 6621i (for 7013i)
4 – M8x60 screw from 6664F kit

Interior opening



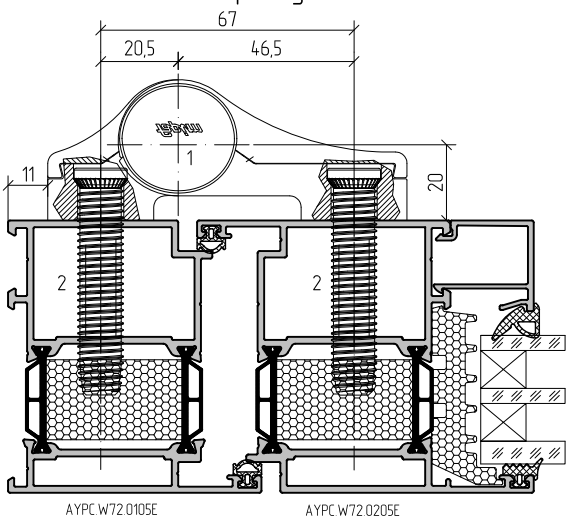
1 – LOIRA+, 7010i or 7013i face mounted hinges with center distance of 67 mm
2 – kit of insert plates 6620i (for 7010i) or 6621i (for 7013i)
3 – M8x30 screws from 6620i (6621i) kit

exterior opening



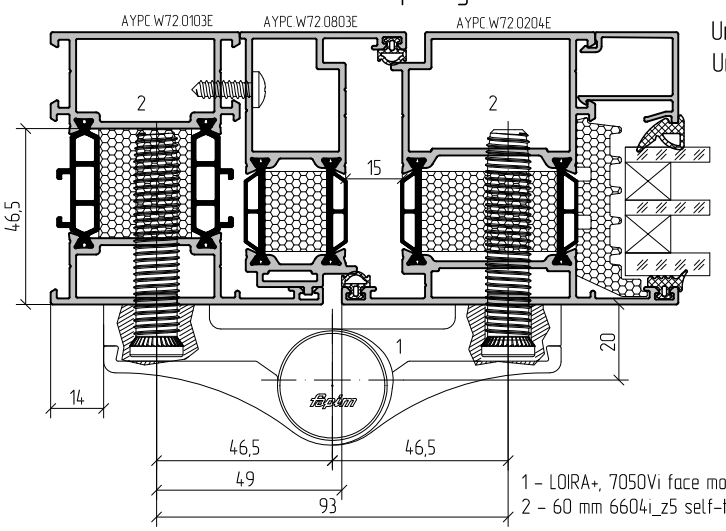
1 – LOIRA+, 7010Vi or 7013Vi face mounted hinges with center distance of 67 mm
2 – 60 mm 6604i_z5 self-tapping screw

interior opening



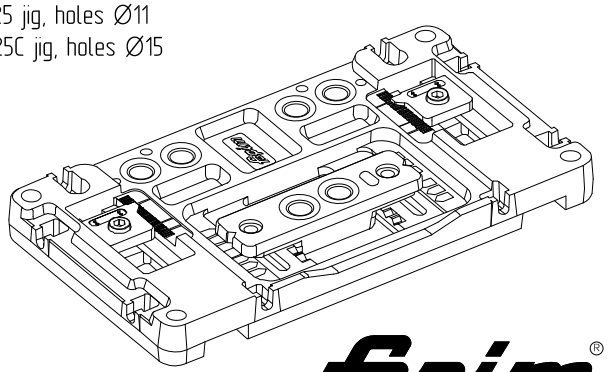
1 – LOIRA+, 7010Vi or 7013Vi face mounted hinges with center distance of 67 mm
2 – 60 mm 6604i_z5 self-tapping screw

exterior opening



1 – LOIRA+, 7050Vi face mounted hinges with center distance of 93 mm
2 – 60 mm 6604i_z5 self-tapping screw

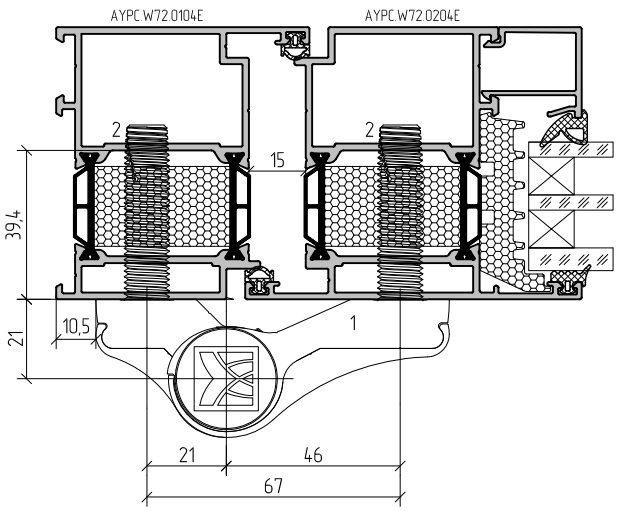
Unix 6825 jig, holes Ø11
Unix 6825C jig, holes Ø15



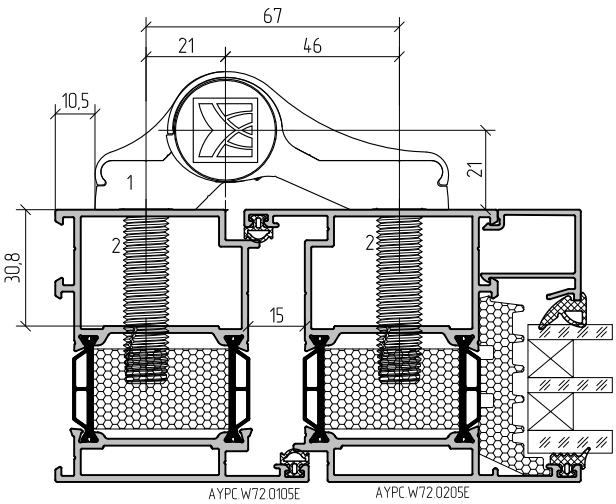
fapim® LOIRA +

Examples of face mounted hinges installation on door leaf and frame profiles

exterior opening

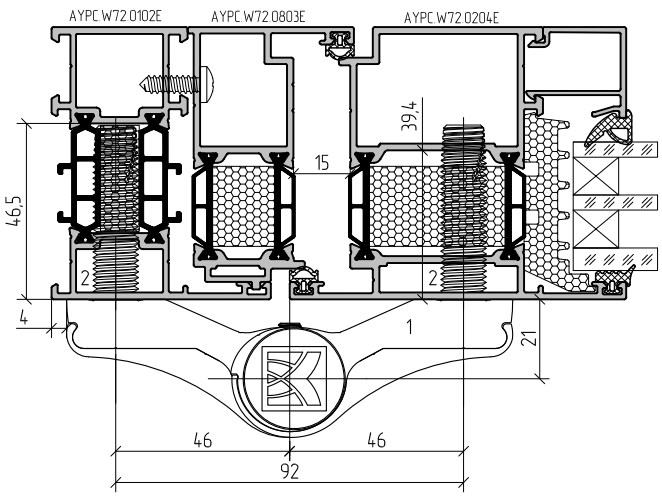


interior opening option1



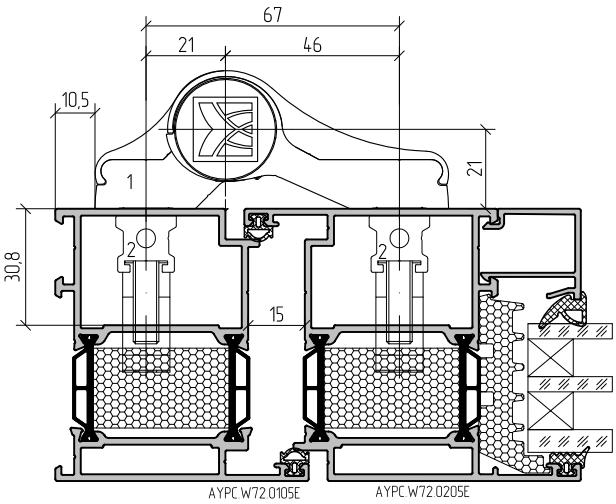
1 – Alutech 2AH67 face mounted distance with center distance of 67 mm
2 – anchor screw L=58,5 mm from 2KAV kit

exterior opening



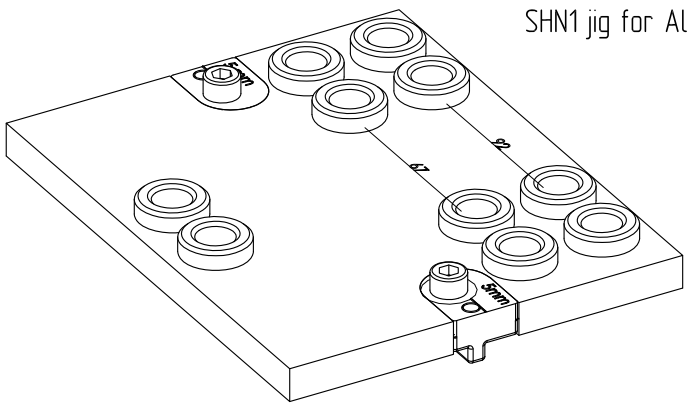
1 – Alutech 2AH92 face mounted hinge with center distance of 92 mm
2 – anchor screw L=58,5 mm from 2KAV kit

interior opening option2



1 – Alutech 2AH67 face mounted hinge with center distance of 67 mm
2 – 2C fastening kit art. 2KK

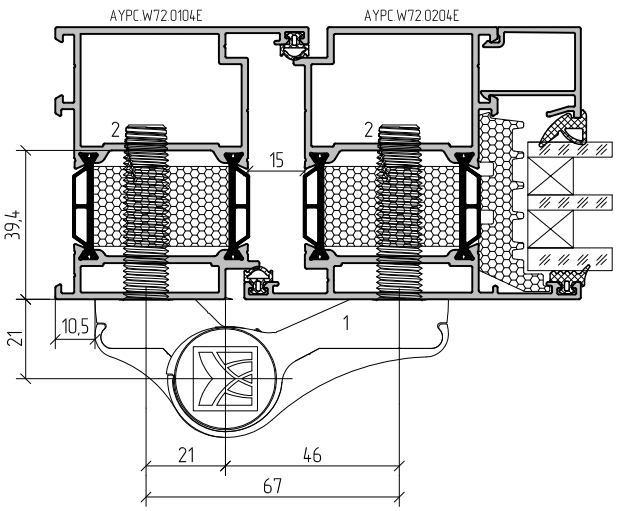
SHN1 jig for Alutech 2AH67, 2AH92 hinges



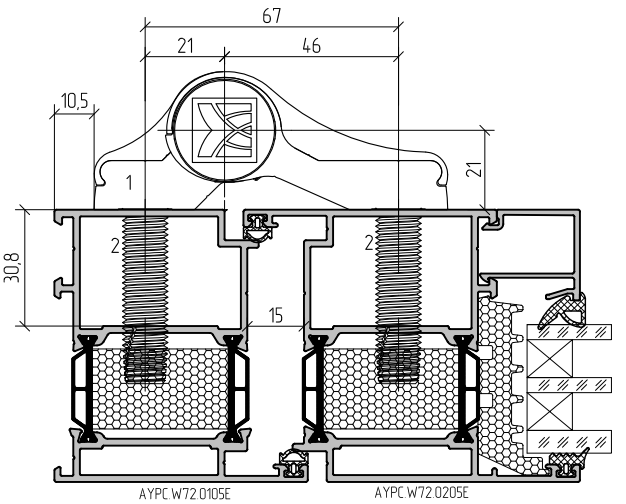
ALUTECH

Examples of face mounted hinges installation on door leaf and frame profiles

exterior opening

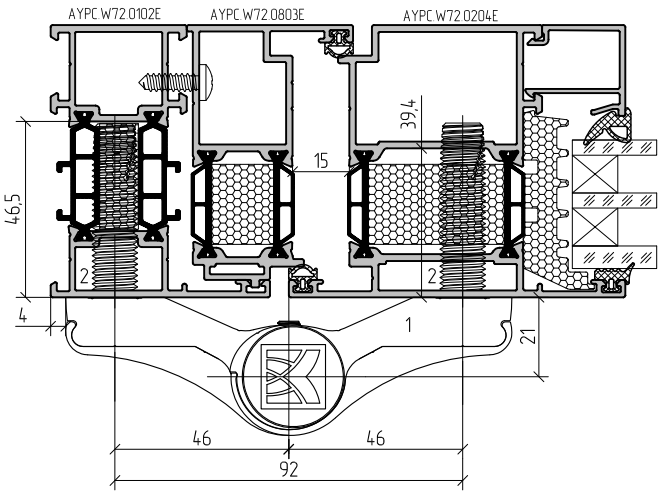


interior opening option1



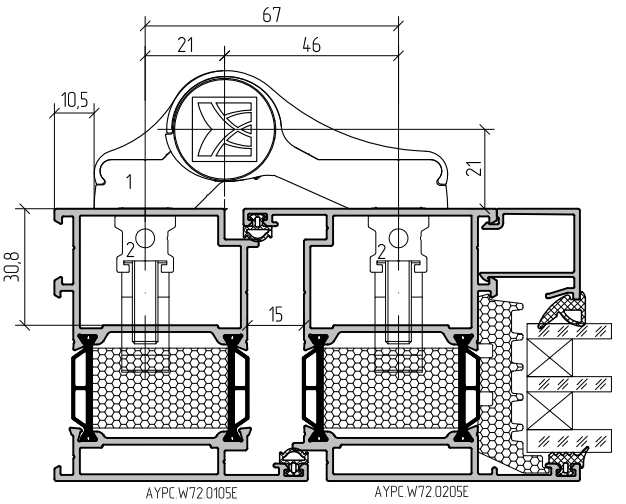
1 – Alutech 3AH67 face mounted hinge with center distance of 67 mm
2 – anchor screw L=58,5 mm from 3KAV kit

exterior opening



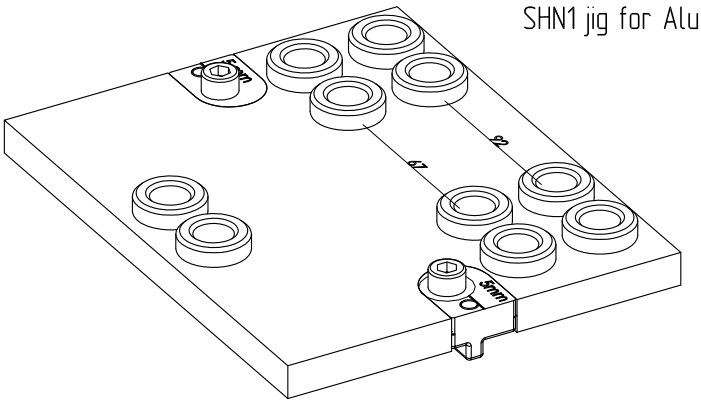
1 – Alutech 3AH92 face mounted hinge with center distance of 92 mm
2 – anchor screw L=58,5 mm from 3KAV kit

interior opening option2



1 – Alutech 3AH67 face mounted hinge with center distance of 67 mm
2 – 3C art. 3KK fastening kit

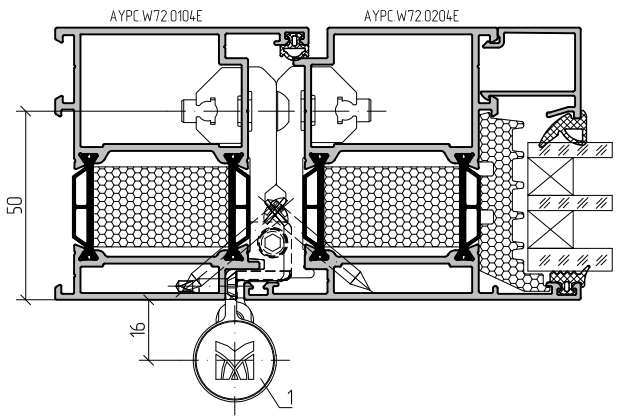
SHN1 jig for Alutech 2AH67, 2AH92 hinges 3AH67, 3AH92



ALUTECH

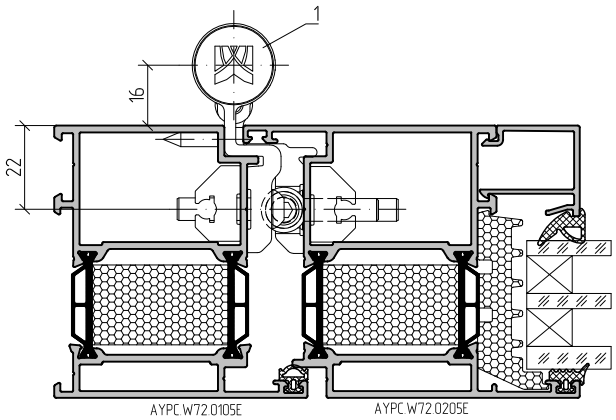
Examples of roller hinges installation on door leaf and frame profiles

exterior opening

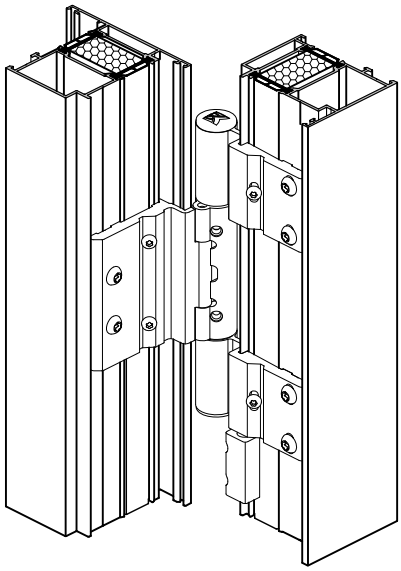


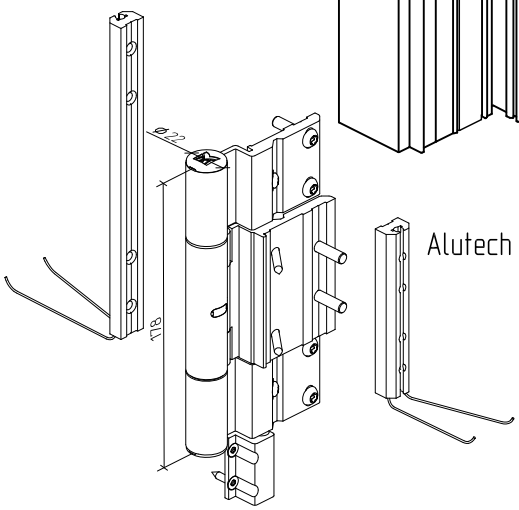
1 – Alutech R720UT roller hinge with fastenig kit

interior opening

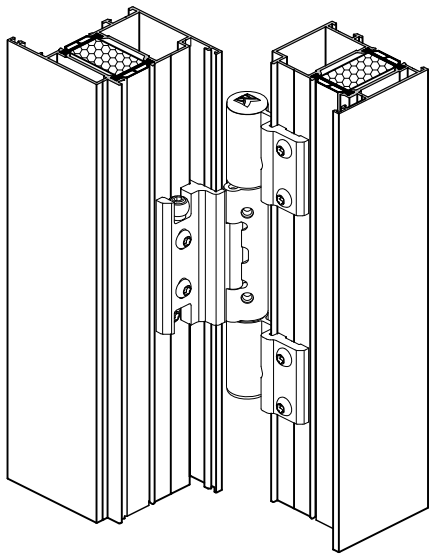


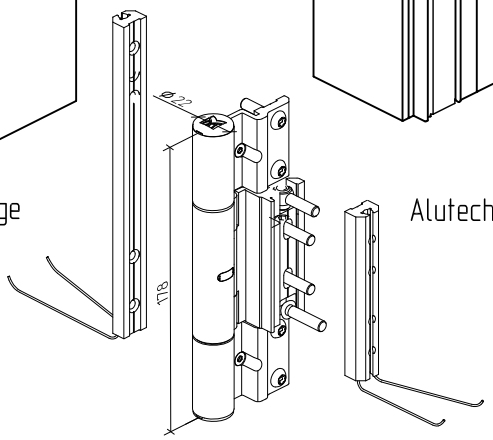
1 – Alutech R6272IN roller hinge with fastening kit



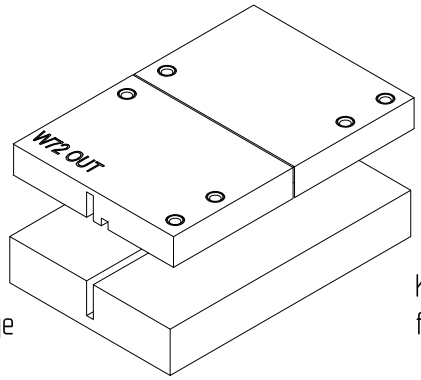


Alutech R720UT hinge

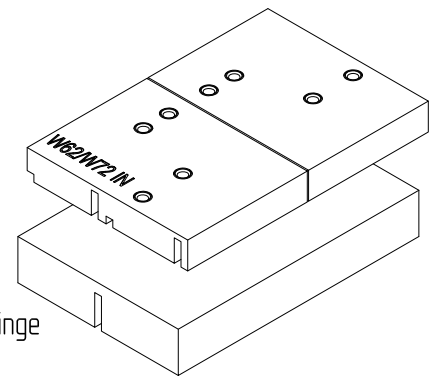




Alutech R6272IN hinge



K720UT jig
for Alutech R720UT hinge



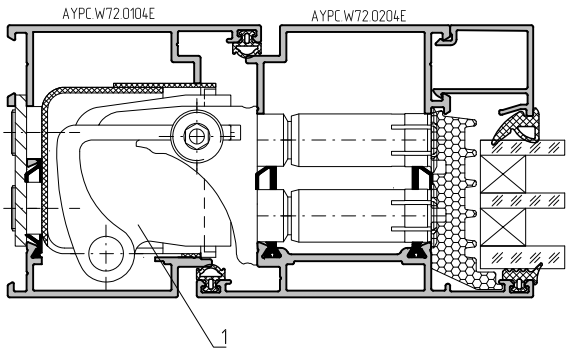
K6272IN kit
for Alutech R6272IN hinge

Scheme, installation options and hinges adjustment are shown in mounting instructions.

ALUTECH

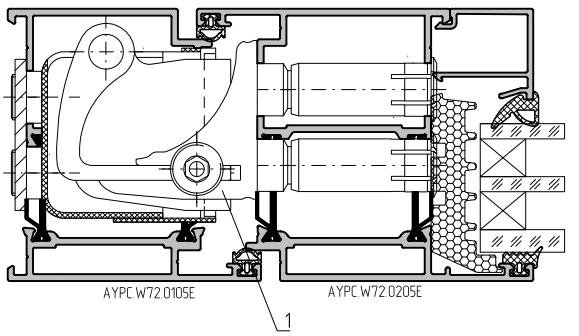
Examples of hidden hinges installation on door leaf and frame profiles

exterior opening



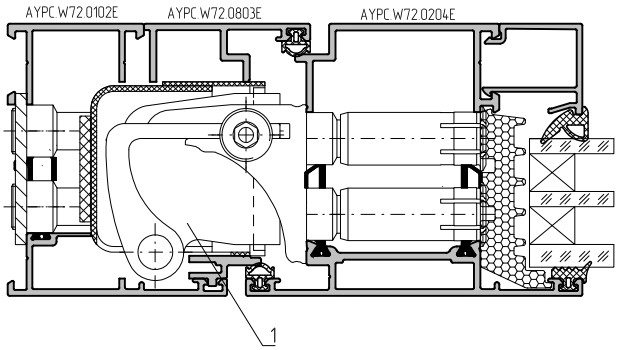
1 – Dr.Hahn V35110035 hinge

interior opening

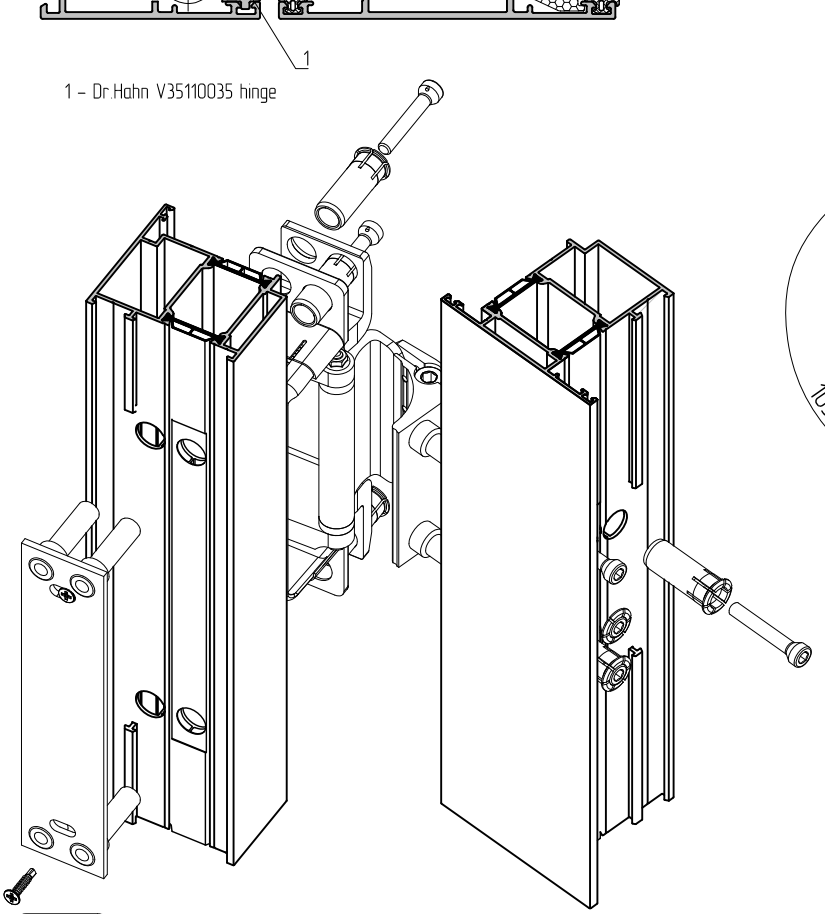


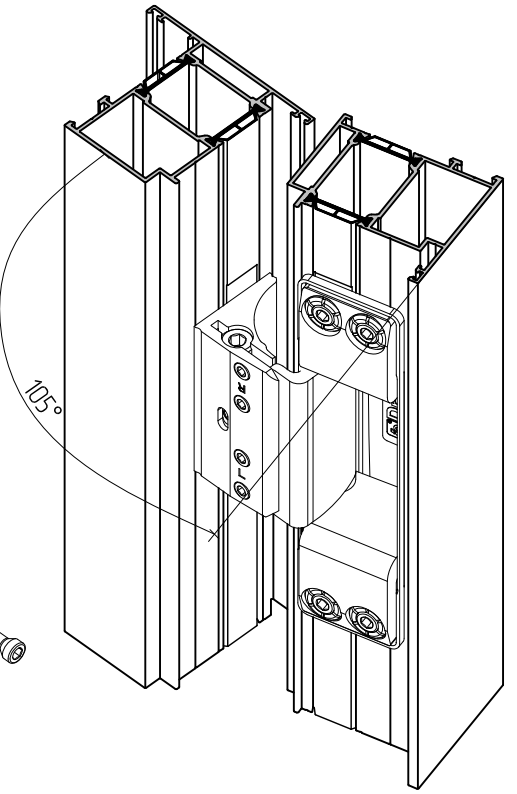
1 – Dr.Hahn V35110035 hinge

exterior opening



1 – Dr.Hahn V35110035 hinge



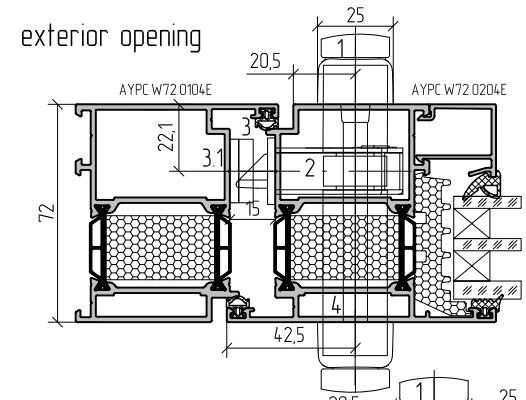


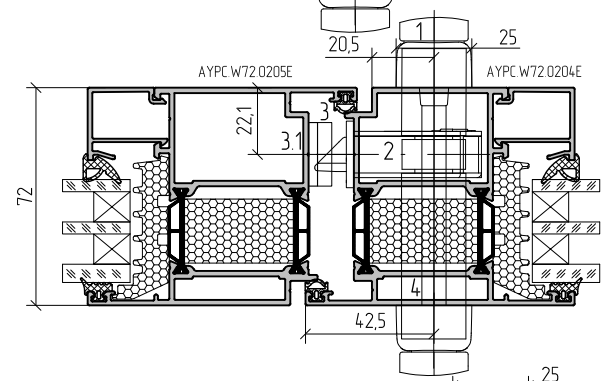
Scheme, installation options and hinges adjustment are shown in mounting instructions.

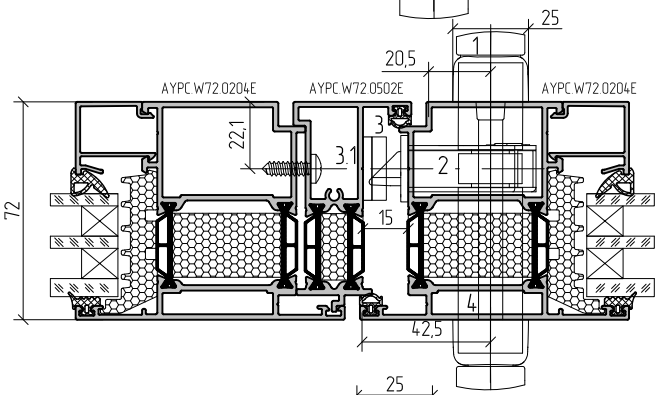
Dr.Hahn DESIGN·TECHNIK·SERVICE

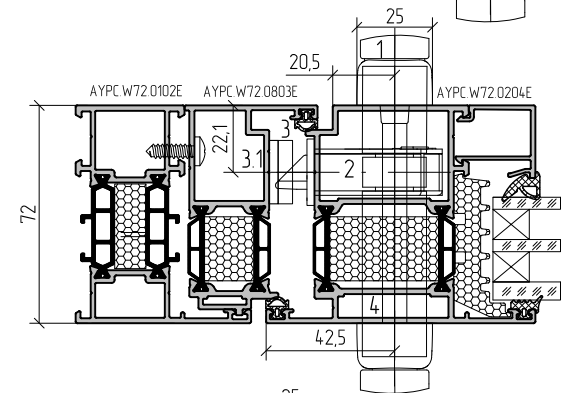
Examples of hidden hinges installation on door leaf and frame profiles

exterior opening

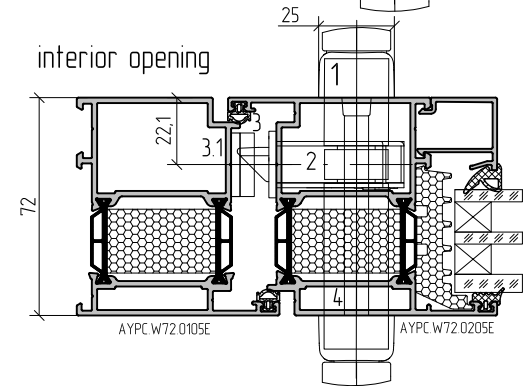




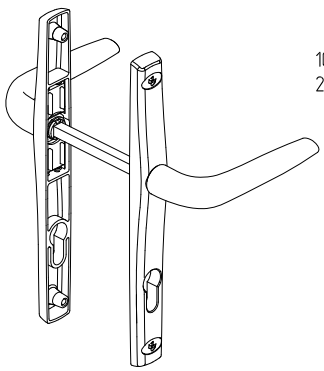


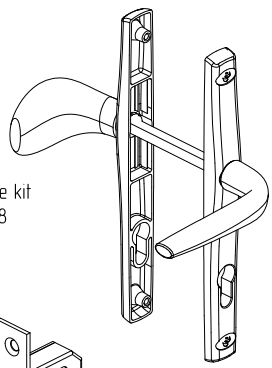


interior opening

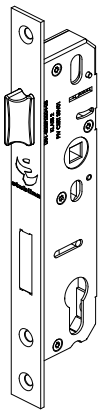


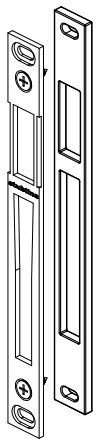
1 – 1022.00 handle kit
250/25/85/8



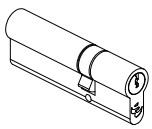


1022.01 handle kit
250/25/85/8



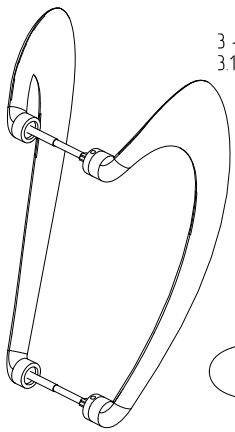


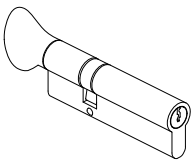
2 – 3021.00 lock
30/22/85/8



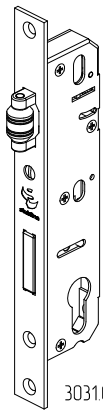
4 – 35/61 5072.00 cylinder
31/61 5057.00 cylinder

3 – strike plate of 3016.10 lock
3.1 – AYPC.C43.0913 support



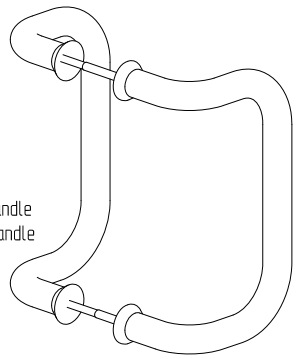


31/61 5105.00 cylinder

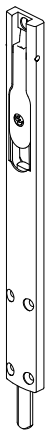


3031.00 lock

1020.00 pulling handle



RD 100.300 pulling handle
RD 400.300 pulling handle

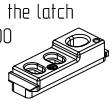


3060.00 door latch

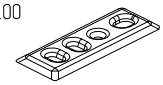


3062.00 door latch

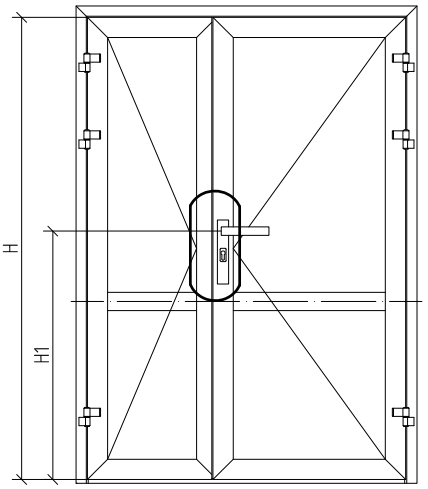
Strike plae for the latch
3012.00



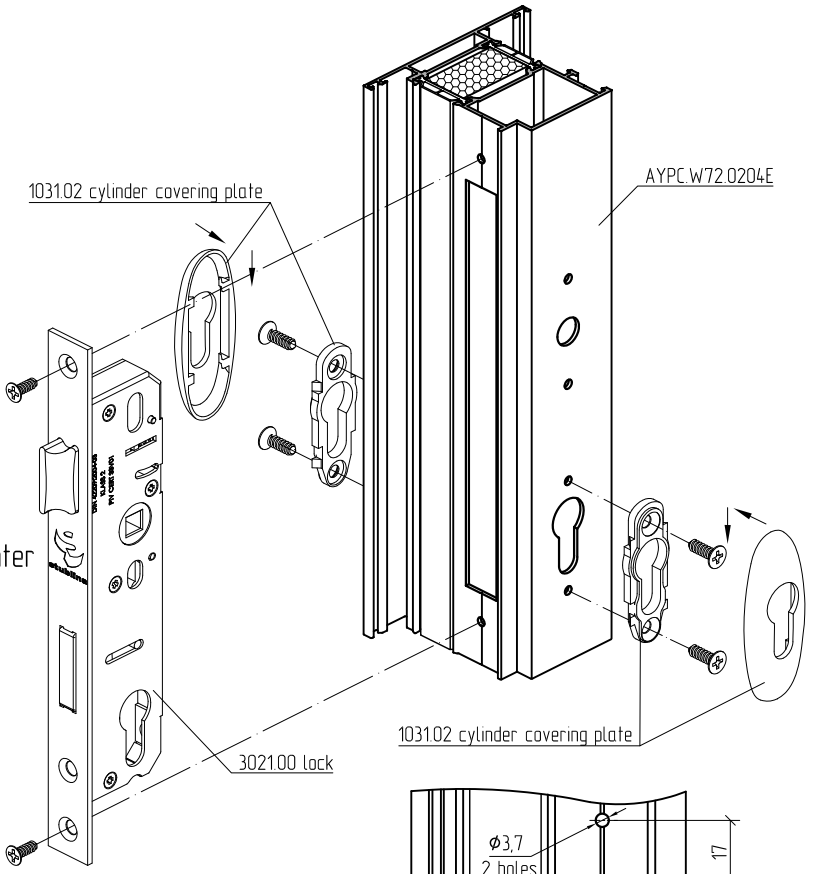
Bottom strike plate for the latch
3009.00

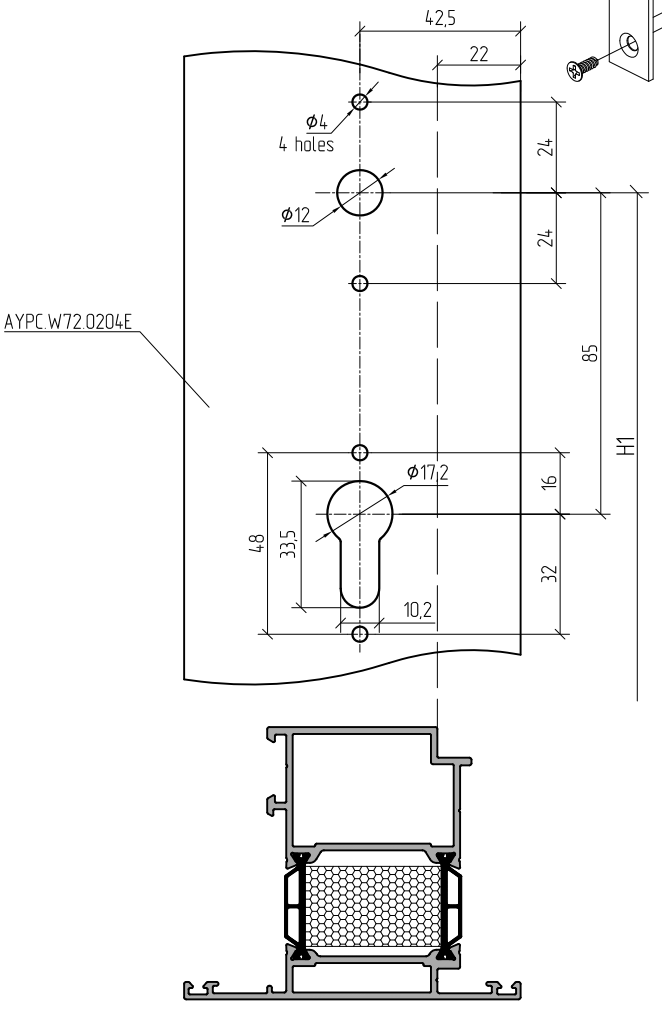


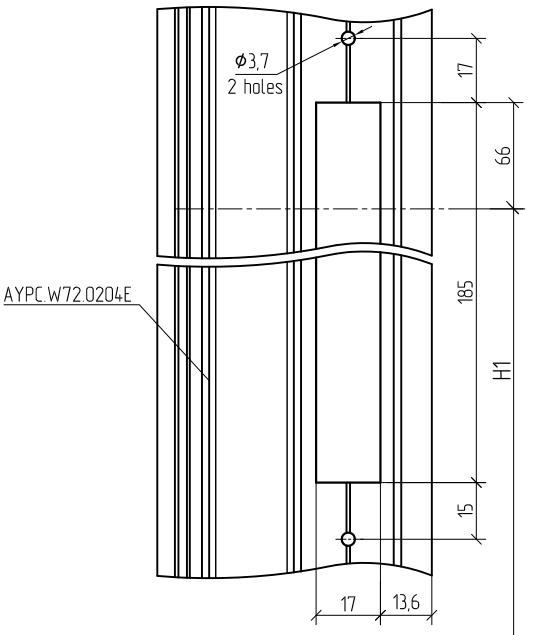
Example of profile machining for installation of 3021.00 (30/22/85/8) lock, 5056.00 (31/51) cylinder, 1032.00 door handle and 1031.02 cylinder covering plate. Exterior opening double door.

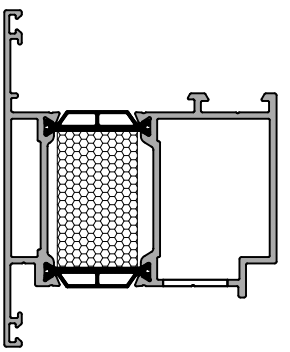


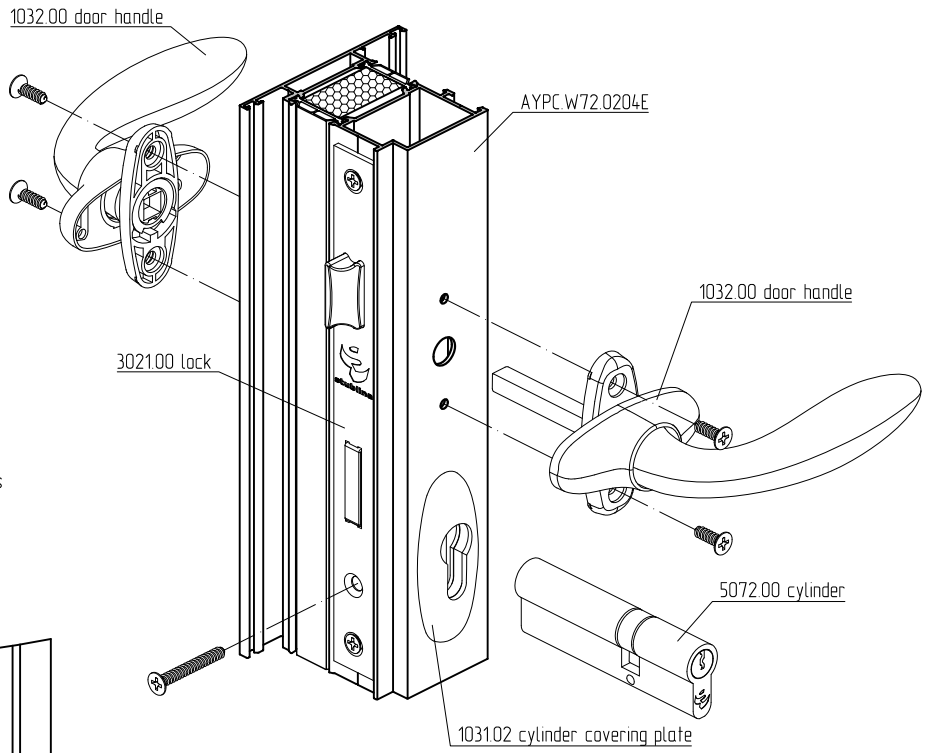
H – leaf height
H1 – dimension from leaf bottom to handle center





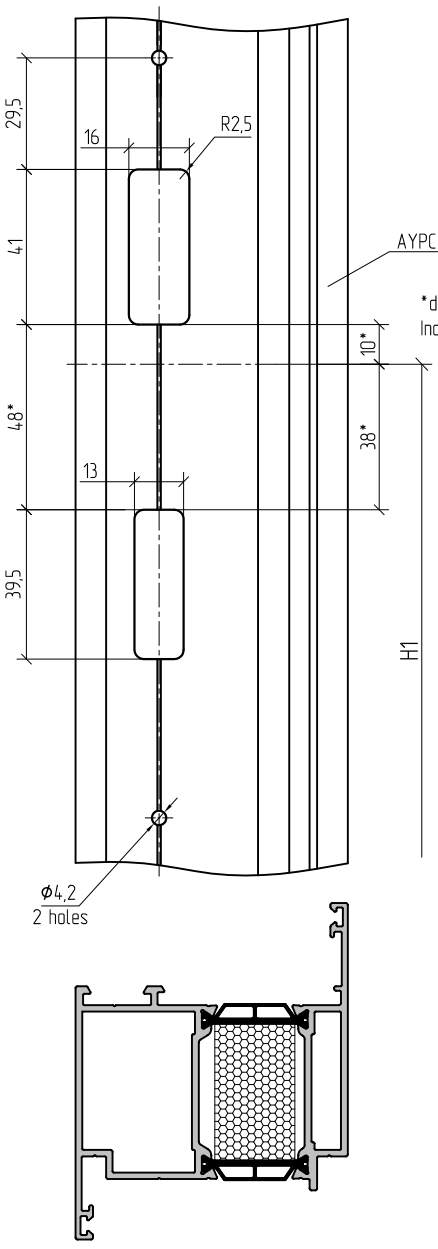




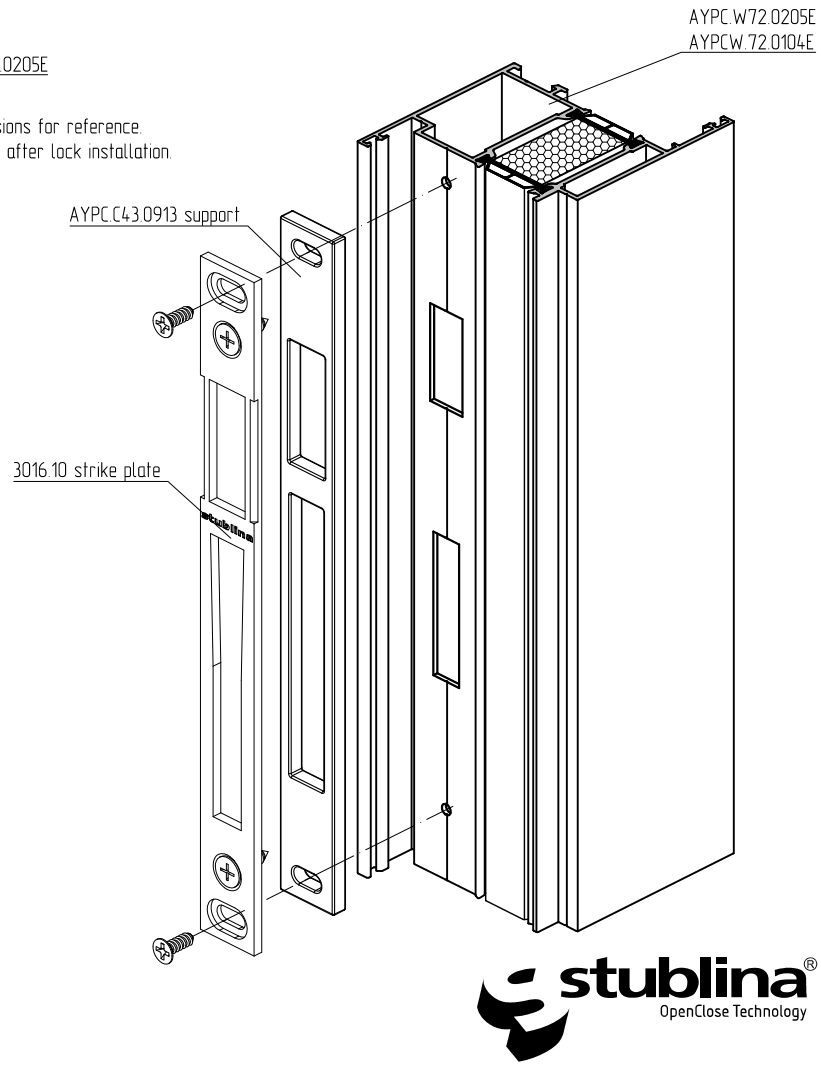


Put 1031.02 cylinder covering plates before cylinder installation

Example of profile machining for 3016.10 strike plate installation. Exterior opening double door.



*dimensions for reference. Indicate after lock installation.



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OpenClose Technology







The ALT W72 system is designed to fabricate windows, doors and frames meeting high requirements to thermal and sound insulation. The range of system profiles allows to use efficiently the materials when designing and assembling windows and doors of various dimensions and purpose.

The advantage of ALT W72 system is its high level of thermal and sound insulation. The use of modern materials and innovative design methods allowed to create a system product for energy-efficient construction.

AluminTechno JLLC
tel.: +375 17 345 81 43, 45,
fax: +375 17 345 81 48
e-mail: market@alt.by

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