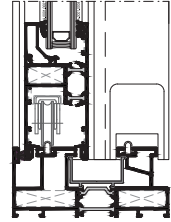


ST10000

ISI YALITIMLI SÜRME SİSTEMİ
SLIDING SYSTEM WITH THERMAL INSULATION





TEKNİK ÖZELLİKLER / TECHNICAL PROPERTIES

KASA DERİNLİĞİ / <i>FRAME DEPTH</i>	103,2mm
KANAT DERİNLİĞİ / <i>VENT DEPTH</i>	42mm
PROFİL ET KALINLIĞI / <i>PROFILE WALL THICKNESS</i>	1,6mm
MAX. CAM KALINLIĞI / <i>MAX. GLASS THICKNESS</i>	26mm
ISI BARIYERLERİ / <i>THERMAL INSULATION BAR</i>	24-14.8-12mm

KULLANIM SEÇENEKLERİ / APPLICATION ALTERNATIVES

KULLANIM SEÇENEKLERİ / APPLICATION ALTERNATIVES	KAPI DOOR	PENCERE WINDOW
KALDIR SÜR / <i>LIFT & SLIDE</i>	•	•
BASİT SÜRME / <i>SLIDING</i>	•	•
45° KANAT BİRLEŞİMİ / <i>45° VENT COMBINATION</i>	•	•
CAM ÇITALI KANAT / <i>VENT WITH GLAZING BEAD</i>	•	•
MONO RAYLI KASA / <i>MONO RAILED FRAME</i>	•	•
3 RAYLI KASA / <i>THREE RAILED FRAME</i>	•	•
SABİT KASA / <i>FIXED FRAME</i>	•	•

PERFORMANS DEĞERLERİ / PERFORMANCE VALUES

HAVA GEÇİRGENLİĞİ - EN 12207 (AIR PERMEABILITY)	1 (150 Pa)				2 (300 Pa)		3 (450 Pa)		4 (600 Pa)		
SU SIZDIRMAZLIĞI - EN 12208 (WATERTIGHTNESS)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E... (600+ Pa)	E1200 (1200 Pa)	
RÜZGAR YÜKÜNE DAYANIM - EN 12210 (RESISTANCE TO WIND LOAD)	1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)		5 (2000 Pa)		E... (2000+ Pa)
SEHİM KRİTERİ - EN 12210 (DEFLECTION CRITERIA)	A (L/150)				B (L/200)				C (L/300)		
SİSTEM UF DEĞERİ - EN 10077-2 (THERMAL INSULATION VALUE)									2,80~4.00 W/m²K		
SİSTEM SES YALITIMI - EN 10140 - 2 (ACOUSTIC PERFORMANCE VALUE)									32 dB		

PROFILLER PROFILES

PROFİLLER

PROFILES

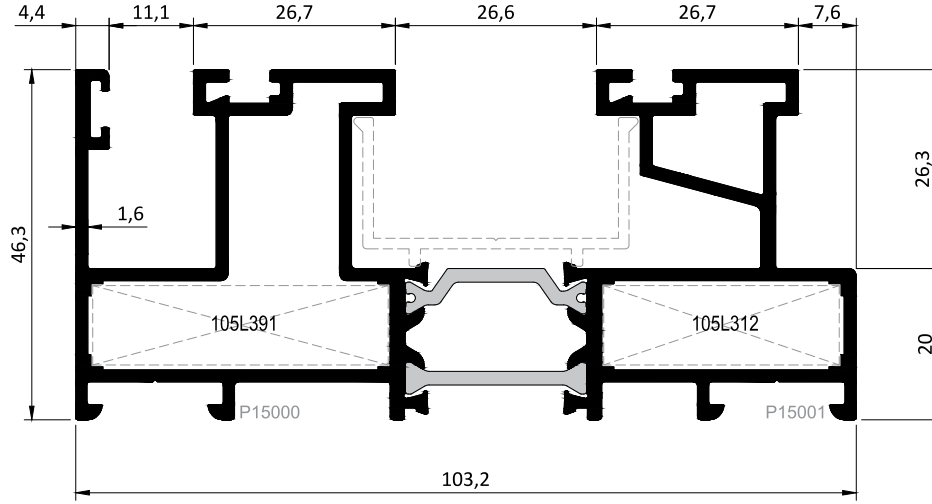
NO #	PROFİL RESMİ PROFILE PICTURE	SİSTEM KODU SYSTEM CODE	PROFİL NO PROFILE NO	AÇIKLAMA DESCRIPTION	AĞIRLIK (kg/m) WEIGHT (kg/m)	SAYFA NO PAGE NO
1		ST10001	P15000 P15001	Kasa Profili Frame Profile	2.259	14
2		ST10002	P15000 P15002	Pervazlı Kasa Profili Frame Profile	2.353	14
3		ST10003	P15003 P15004	Kasa Profili Frame Profile	2.116	15
4		ST10004	P15003 P15005	Pervazlı Kasa Profili Frame Profile	2.210	15
5		ST10005	P15000 P15006	Kasa Profili Frame Profile	2.832	16
6		ST10006	P15000 P15007	Pervazlı Kasa Profili Frame Profile	2.926	16
7		ST10007	P15000 P15008 P15001	Kasa Profili Frame Profile	3.366	17
8		ST10008	P15000 P15008 P15002	Pervazlı Kasa Profili Frame Profile	3.608	17
9		ST10009	P13002 P15009	Kasa Profili Frame Profile	1.786	18
10		ST10010	P13002 P15010	Kasa Profili Frame Profile	2.219	18
11		ST10011	P15011 P15012	Kanat Profili Vent Profile	1.474	19
12		ST10012	P15013 P15014	Orta Kayıt Profili Mullion Connection Profile	1.510	19
13		ST10013	P15015 P15016	Kanat Profili Vent Profile	0.978	20
14		ST10014	P15016 P15017	Takviyeli Kanat Profili Rainforced Vent Profile	1.619	20
15		ST12027	P14036	Kapak Profili Cap Profile	0.184	21
16		ST12028	P14037	Takviye Profili Support Profile	1.313	21
17		ST12029	P14038	Takviye Profili Support Profile	1.529	21
18		ST12030	P14039	Takviye Profili Support Profile	1.746	21
19		ST12031	P14040	Kanat Profili Vent Profile	1.153	22
20		ST10015	P15018	Ray Profili Rail Profile	0.639	22
21		ST12033	P14042	Kapak Profili Cap Profile	0.112	22
22		ST10016	P15019	Damlalık Profili Sill Profile	0.253	22
23		ST12025	P14034	Birleşim Profili Connection Profile	0.114	22
24		ST10017	P15020	Kenet Profili Connection Profile	0.279	23

PROFİLLER

PROFILES

NO #	PROFİL RESMİ PROFILE PICTURE	SİSTEM KODU SYSTEM CODE	PROFİL NO PROFILE NO	AÇIKLAMA DESCRIPTION	AĞIRLIK (kg/m) WEIGHT (kg/m)	SAYFA NO PAGE NO
25		ST10018	P15021	Kenet Profili Connection Profile	0.483	23
26		ST10019	P15022	Kenet Profili Connection Profile	0.979	23
27		ST10020	P15023 P15024	Adaptör Kenet Profili Connection Adapter Profile	0.821	23
28		ST10021	P15025	Kapak Profili Cap Profile	0.510	23
29		ST10022	P15003 P15026	Pervazlı Kasa Profili Frame Profile	2.335	24
30		ST10023	P15027 P15028	90° Köşe Profili 90° Corner Profile	2.044	24
31		G2205	P11100	Ek Kulak Profili Lug Profile	0.220	25
32		G2207	P11101	Çita Profili Glazing Bead Profile	0.198	25
33		G2209	P11102	Çita Profili Glazing Bead Profile	0.206	25
34		G2211	P11103	Çita Profili Glazing Bead Profile	0.257	25
35		G2213	P11104	Çita Profili Glazing Bead Profile	0.257	25
36		G2215	P11105	Çita Profili Glazing Bead Profile	0.264	25
37		G2217	P11106	Çita Profili Glazing Bead Profile	0.270	25
38		G2219	P11107	Çita Profili Glazing Bead Profile	0.277	25
39		G2221	P11108	Çita Profili Glazing Bead Profile	0.283	25
40		G2223	P11109	Çita Profili Glazing Bead Profile	0.282	26
41		G2225	P11110	Çita Profili Glazing Bead Profile	0.288	26
42		G2227	P11114	Çita Profili Glazing Bead Profile	0.294	26
43		G2229	P11115	Çita Profili Glazing Bead Profile	0.301	26
44		G2231	P11116	Çita Profili Glazing Bead Profile	0.308	26
45		G2233	P11117	Çita Profili Glazing Bead Profile	0.314	26
46		L0105	P11016	Köşe Takoza Profili Corner Cleat Profile	2.122	27
47		L0170	P11006	Köşe Takoza Profili Corner Cleat Profile	3.892	28
48		L0162	P11029	Köşe Takoza Profili Corner Cleat Profile	3.868	28
49		J0006	P15029	Orta Kayıt Bağlantı Profili Mullion Connection Profile	0.878	29

PROFİLLER / PROFILES



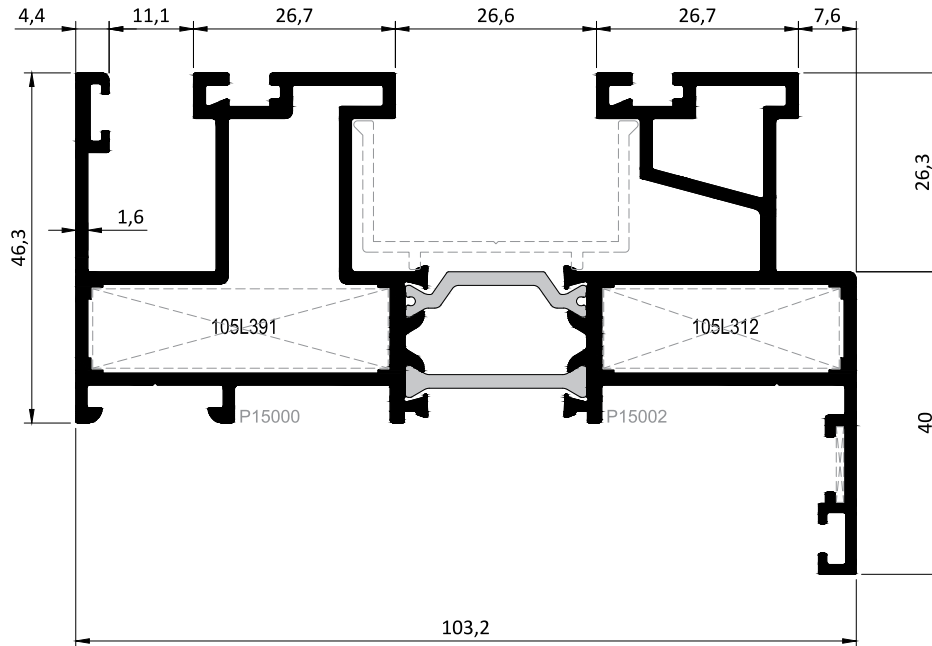
Kod / Code : ST10001

Profil No / Profile No : P15000-P15001

Ağırlık / Weight : 2.259 kg/m

JX : 65.8 cm⁴

JY : 17.5 cm⁴



Kod / Code : ST10002

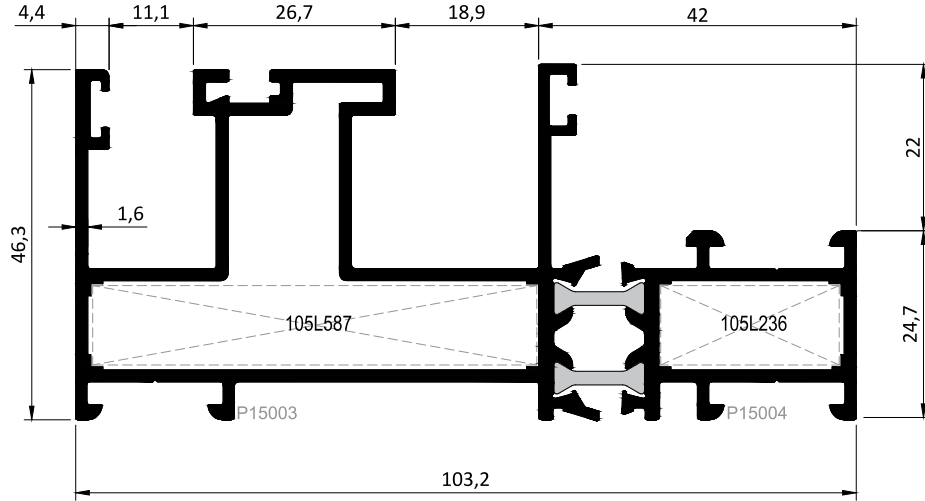
Profil No / Profile No : P15000-P15002

Ağırlık / Weight : 2.353 kg/m

JX : 74.1 cm⁴

JY : 21.2 cm⁴

PROFİLLER / PROFILES



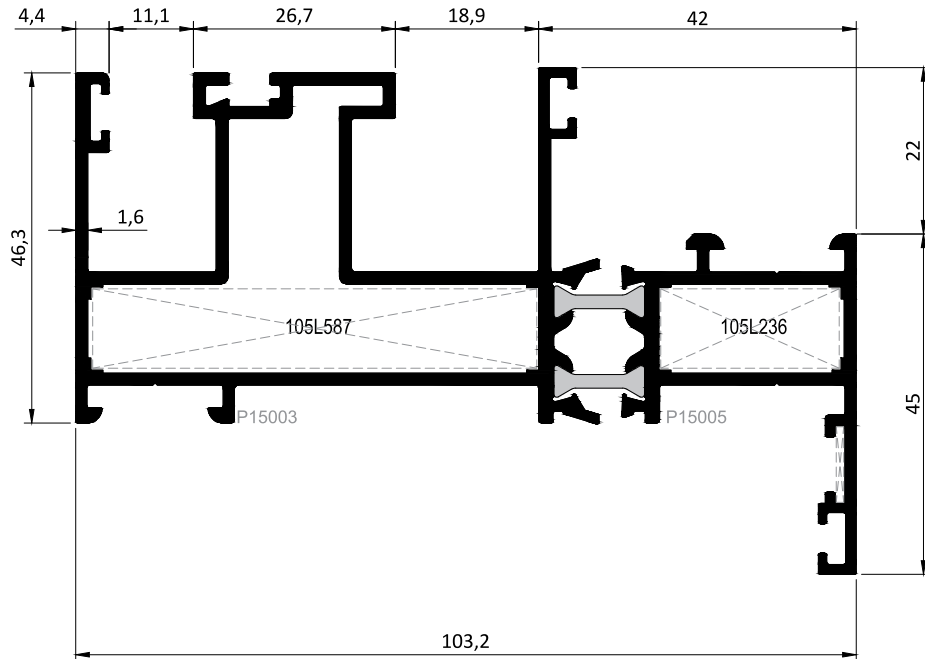
Kod / Code : ST10003

Profil No / Profile No : P15003-P15004

Ağırlık / Weight : 2.116 kg/m

JX : 58.4 cm⁴

JY : 13.1 cm⁴



Kod / Code : ST10004

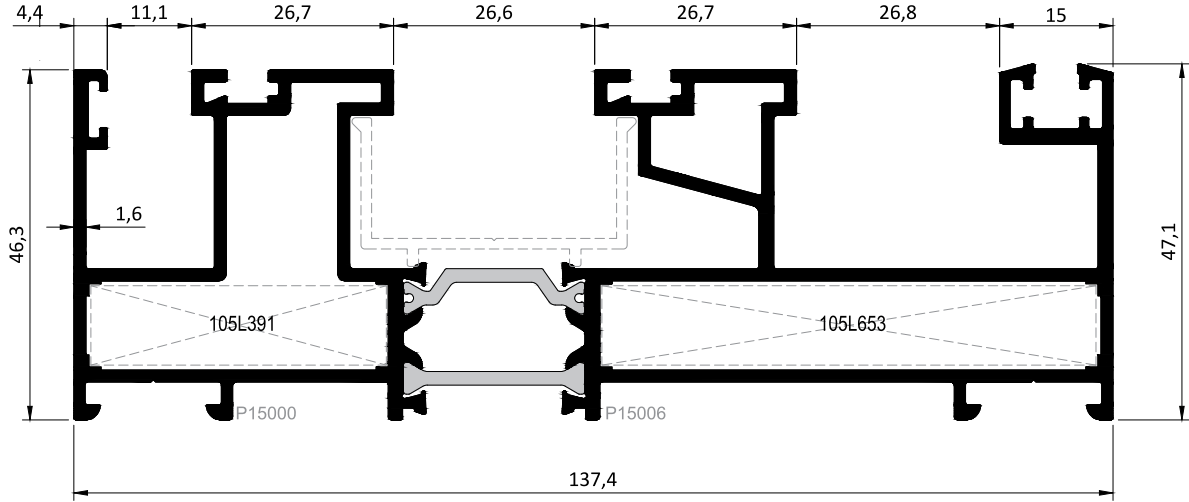
Profil No / Profile No : P15003-P15005

Ağırlık / Weight : 2.211 kg/m

JX : 68.4 cm⁴

JY : 14.8 cm⁴

PROFİLLER / PROFILES



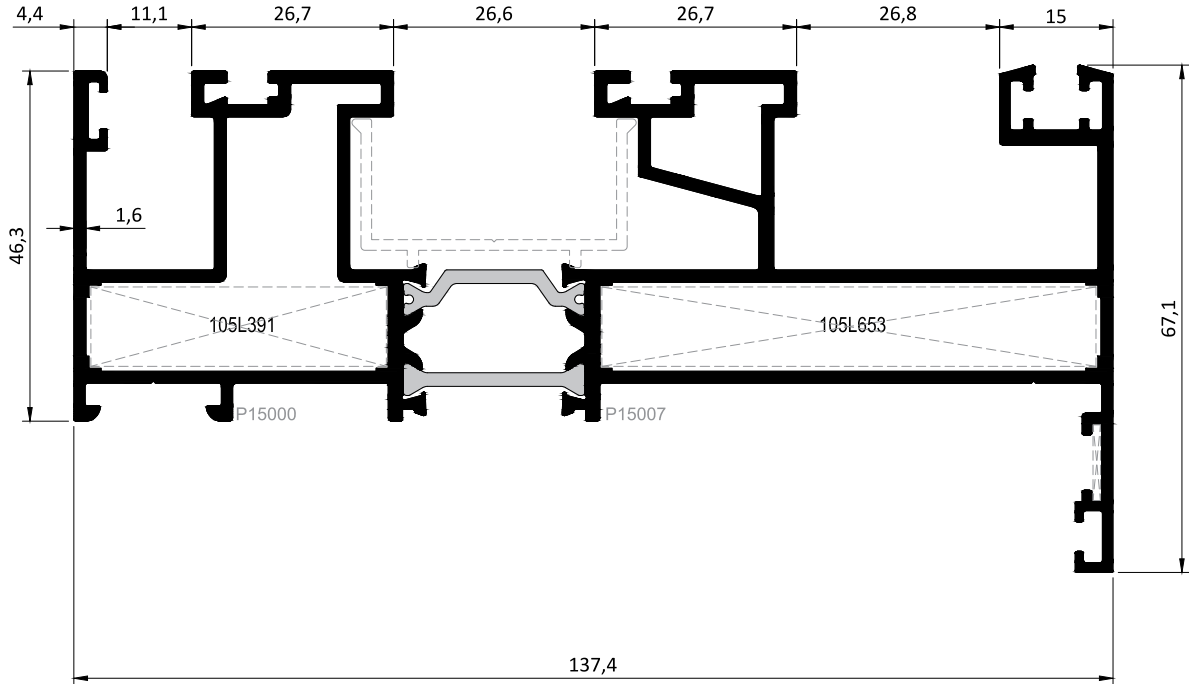
Kod / Code : ST10005

Profil No / Profile No : P15000-P15006

Ağırlık / Weight : 2.832 kg/m

JX : 148.2 cm⁴

JY : 21.7 cm⁴



Kod / Code : ST10006

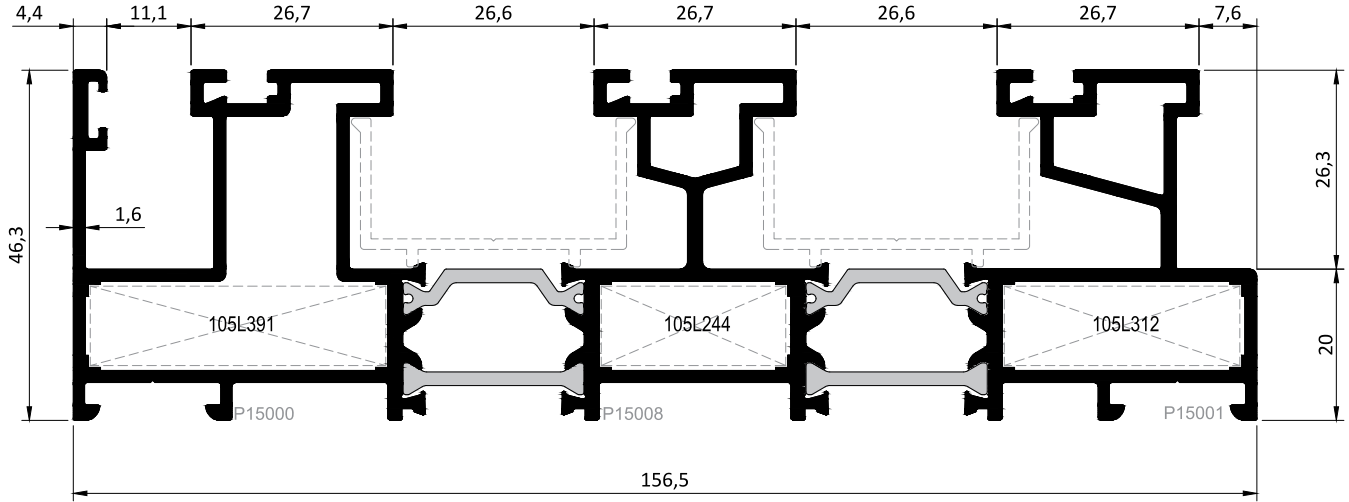
Profil No / Profile No : P15000-P15007

Ağırlık / Weight : 2.926 kg/m

JX : 161.7 cm⁴

JY : 25.9 cm⁴

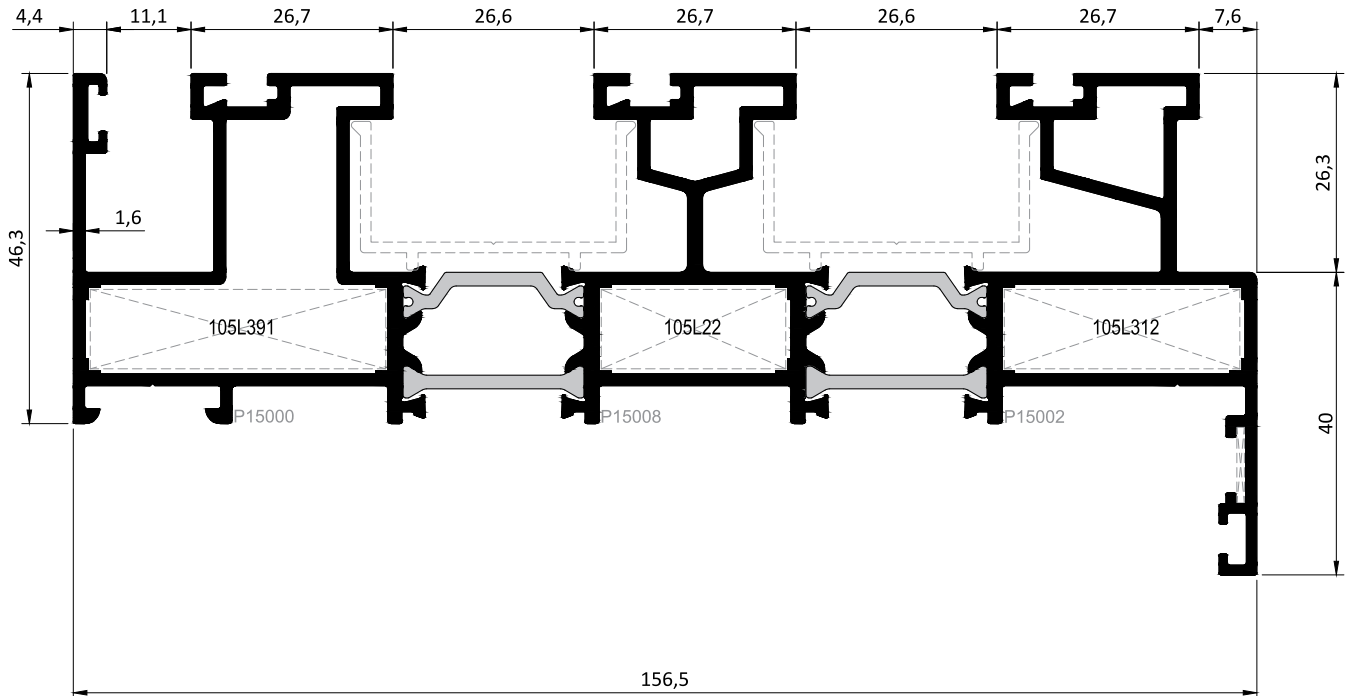
PROFİLLER / PROFILES



Kod / Code : ST10007

Profil No / Profile No : P15000-P15008-P15001

Ağırlık / Weight : 3.366 kg/m

JX : 164.9 cm⁴JY : 25.4 cm⁴

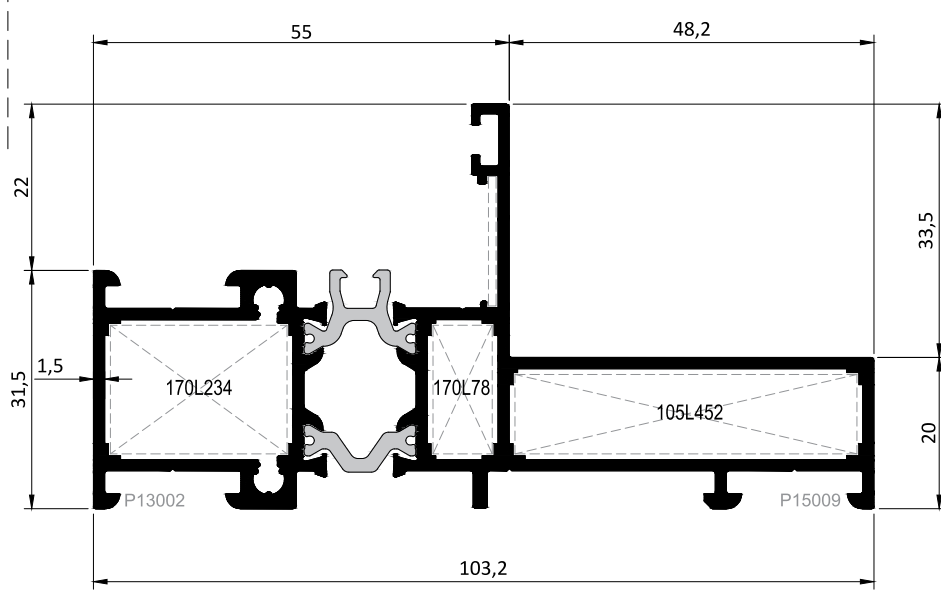
Kod / Code : ST10008

Profil No / Profile No : P15000-P15008-P150002

Ağırlık / Weight : 3.608 kg/m

JX : 178.8 cm⁴JY : 29.4 cm⁴

PROFİLLER / PROFILES



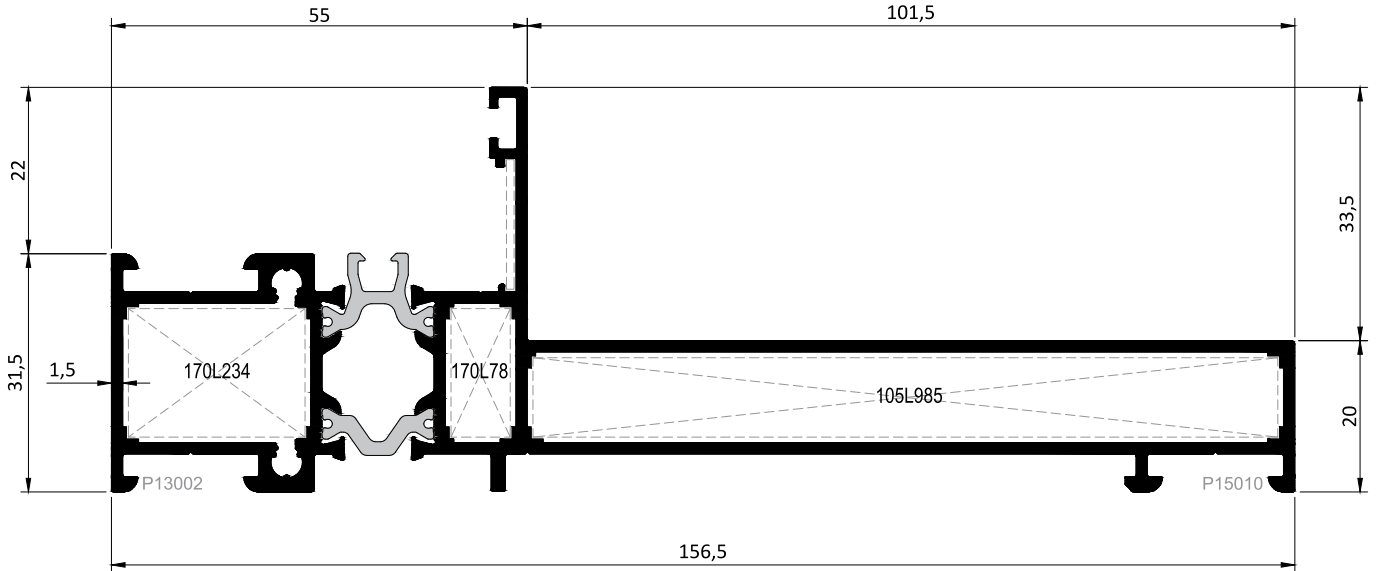
Kod / Code : ST10009

Profil No / Profile No : P13002-P15009

Ağırlık / Weight : 1.786 kg/m

JX : 41.8 cm⁴

JY : 8.6 cm⁴



Kod / Code : ST10010

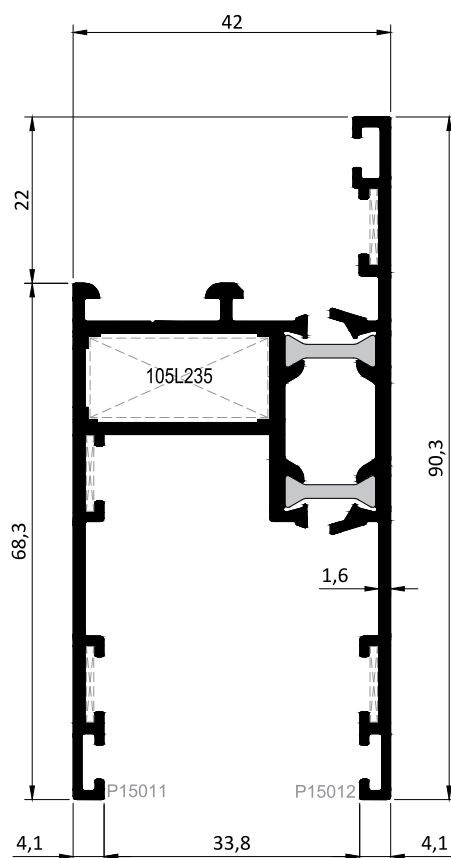
Profil No / Profile No : P13002-P15010

Ağırlık / Weight : 2.219 kg/m

JX : 131.1 cm⁴

JY : 9.2 cm⁴

PROFILLER / PROFILES



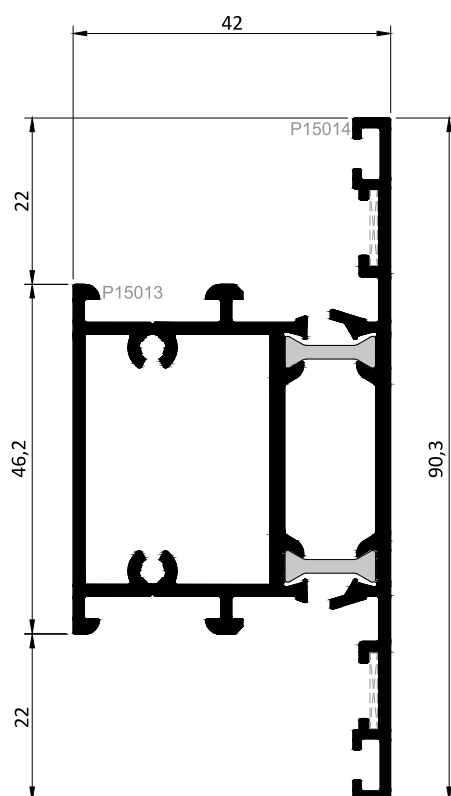
Kod / Code : ST10011

Profil No / Profile No : P15011-P15012

Ağırlık / Weight : 1.474 kg/m

JX: 18.8 cm⁴

JY : 13.0 cm⁴



Kod / Code : ST10012

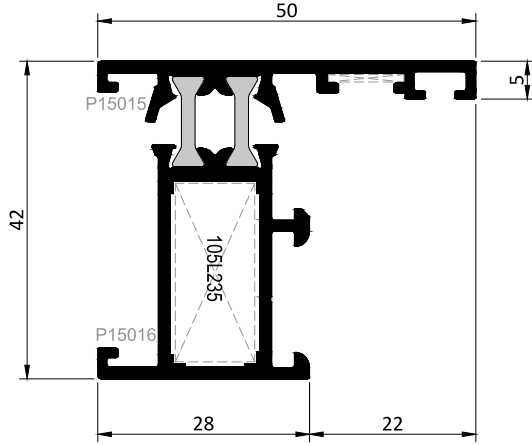
Profil No / Profile No : P15013-P15014

Ağırlık / Weight : 1.511 kg/m

JX: 16.7 cm⁴

JY : 11.9 cm⁴

PROFİLLER / PROFILES



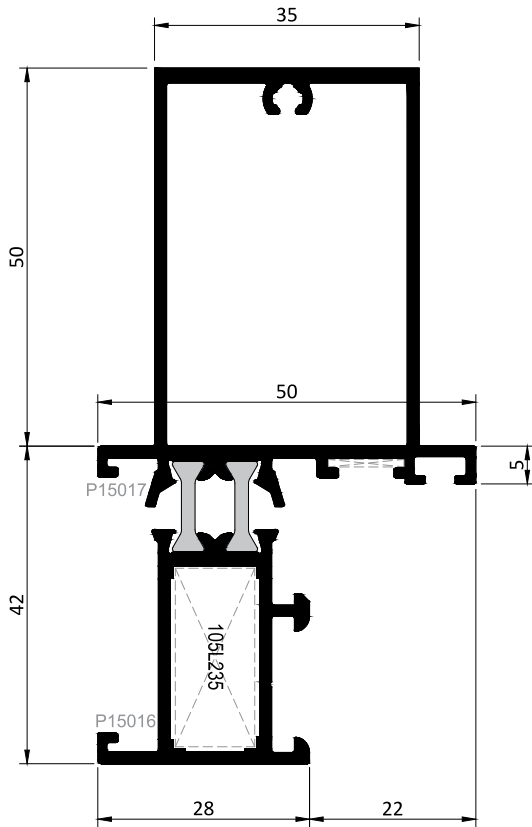
Kod / Code : ST10013

Profil No / Profile No : P15015-P15016

Ağırlık / Weight : 0.978 kg/m

JX : 6.4 cm⁴

JY : 3.6 cm⁴



Kod / Code : ST10014

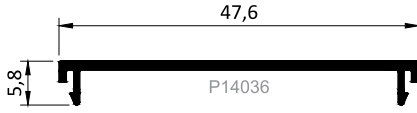
Profil No / Profile No : P15016-P15017

Ağırlık / Weight : 1.619 kg/m

JX : 36.9 cm⁴

JY : 9.1 cm⁴

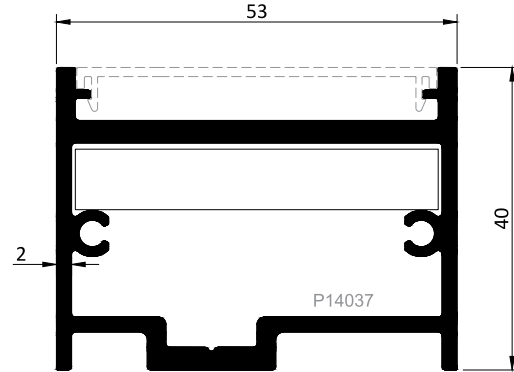
PROFİLLER / PROFILES



Kod / Code : ST12027

Profil No / Profile No : P14036

Ağırlık / Weight : 0.184 kg/m



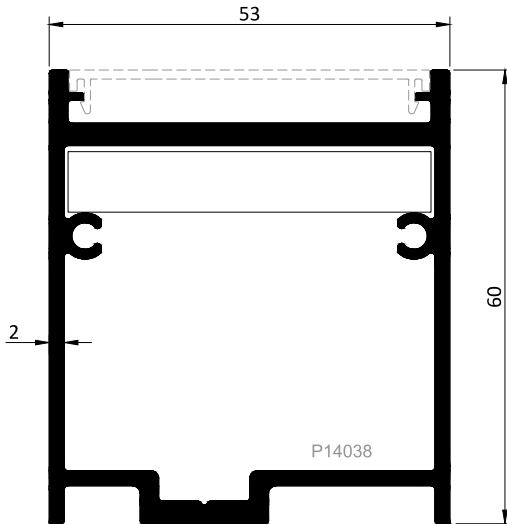
Kod / Code : ST12028

Profil No / Profile No : P14037

Ağırlık / Weight : 1.313 kg/m

JX : 17.8 cm⁴

JY : 7.8 cm⁴



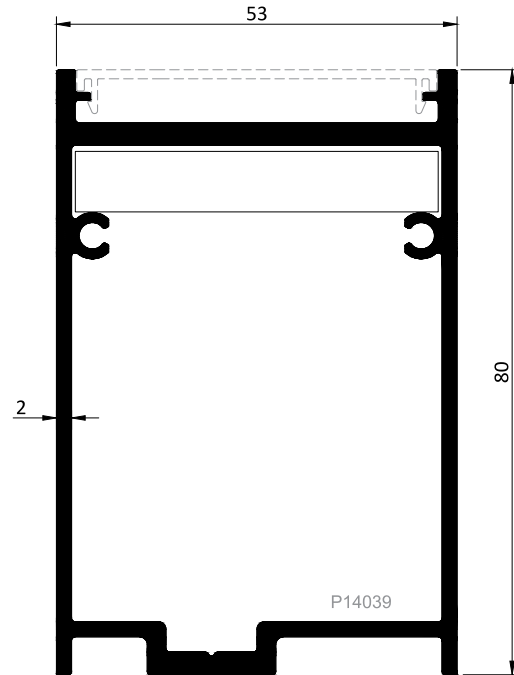
Kod / Code : ST12029

Profil No / Profile No : P14038

Ağırlık / Weight : 1.529 kg/m

JX : 24.3 cm⁴

JY : 22.6 cm⁴



Kod / Code : ST12030

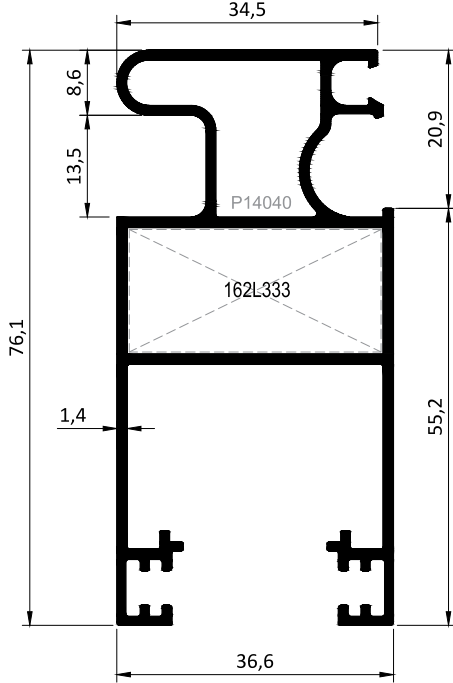
Profil No / Profile No : P14039

Ağırlık / Weight : 1.746 kg/m

JX : 51.4 cm⁴

JY : 28.1 cm⁴

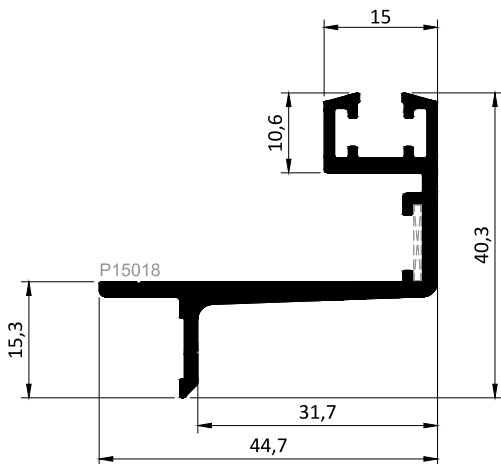
PROFİLLER / PROFILES



Kod / Code : ST12031

Profil No / Profile No : P14040

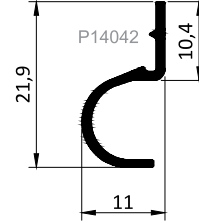
Ağırlık / Weight : 1.153 kg/m

JX : 24.1 cm⁴JY : 7.8 cm⁴

Kod / Code : ST10015

Profil No / Profile No : P15018

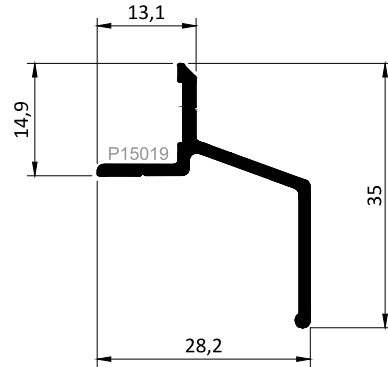
Ağırlık / Weight : 0.639 kg/m



Kod / Code : ST12033

Profil No / Profile No : P14042

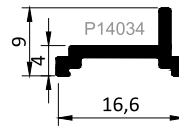
Ağırlık / Weight : 0.112 kg/m



Kod / Code : ST10016

Profil No / Profile No : P15019

Ağırlık / Weight : 0.253 kg/m

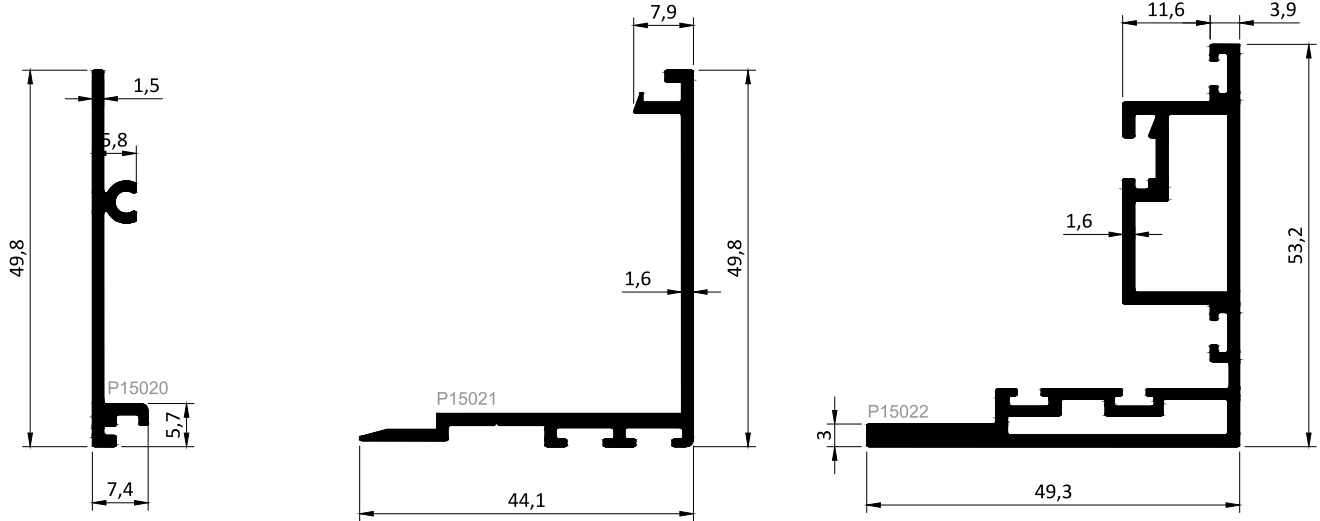
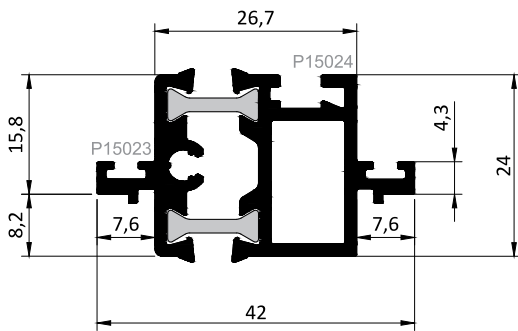
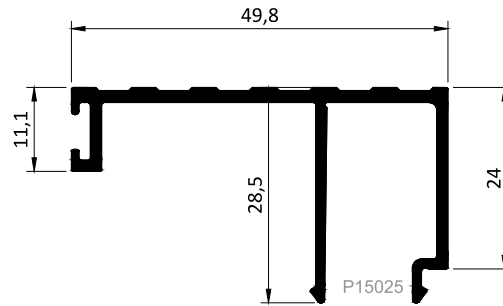


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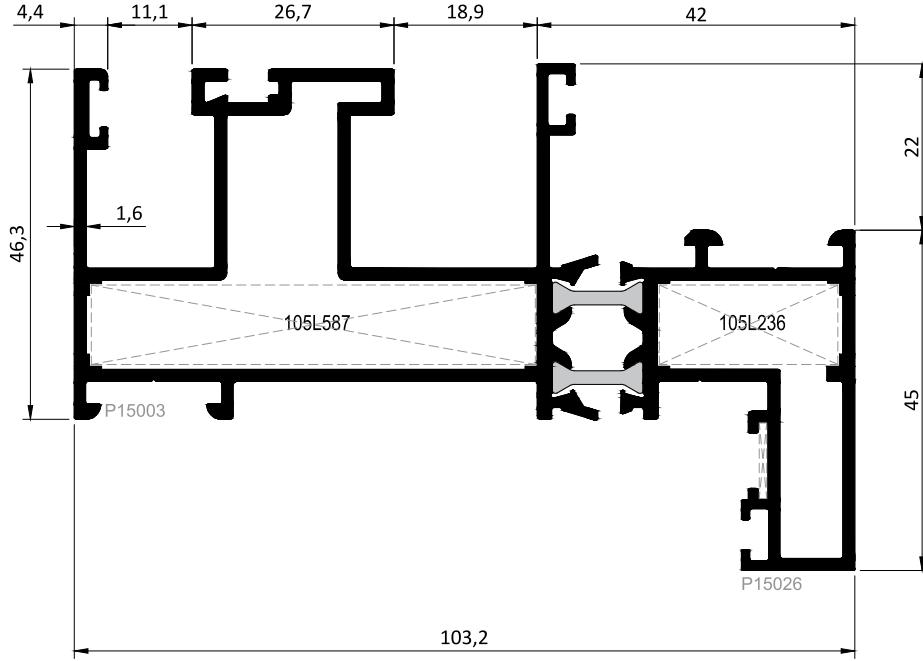
Profil No / Profile No : P14034

Ağırlık / Weight : 0.114 kg/m

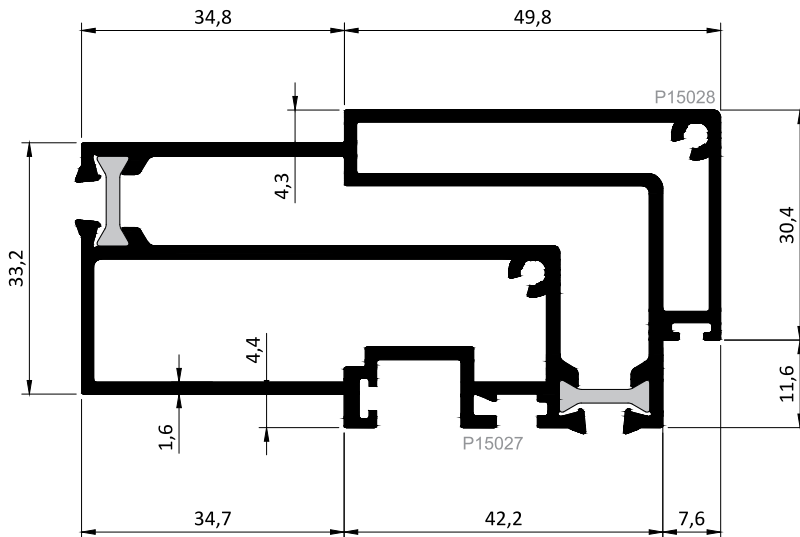
PROFİLLER / PROFILES

**Kod / Code :** ST10017**Profil No / Profile No :** P15020**Ağırlık / Weight :** 0.279 kg/m**Kod / Code :** ST10018**Profil No / Profile No :** P15021**Ağırlık / Weight :** 0.483 kg/m**Kod / Code :** ST10019**Profil No / Profile No :** P15022**Ağırlık / Weight :** 0.979 kg/m**Kod / Code :** ST10020**Profil No / Profile No :** P15023-P15024**Ağırlık / Weight :** 0.821 kg/m**Kod / Code :** ST10021**Profil No / Profile No :** P15025**Ağırlık / Weight :** 0.510 kg/m

PROFİLLER / PROFILES

**Kod / Code :** ST10022**Profil No / Profile No :**

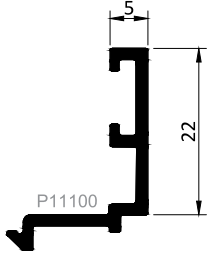
P15003-P15026

Ağırlık / Weight : 2.335 kg/m**JX :** 75.3 cm⁴**Kod / Code :** ST10023**Profil No / Profile No :**

P15027-P15028

Ağırlık / Weight : 2.044 kg/m**JX :** 36.6 cm⁴

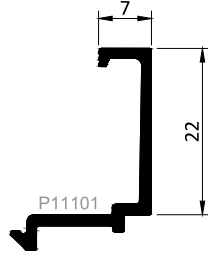
PROFİLLER / PROFILES



Kod / Code : G2205

Profil No / Profile No : P11100

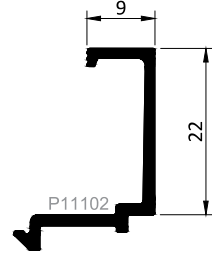
Ağırlık / Weight : 0.220 kg/m



Kod / Code : G2207

Profil No / Profile No : P11101

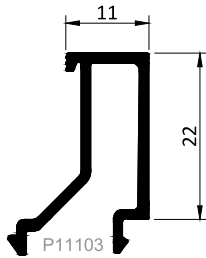
Ağırlık / Weight : 0.198 kg/m



Kod / Code : G2209

Profil No / Profile No : P11102

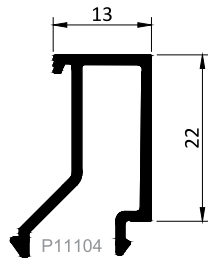
Ağırlık / Weight : 0.206 kg/m



Kod / Code : G2211

Profil No / Profile No : P11103

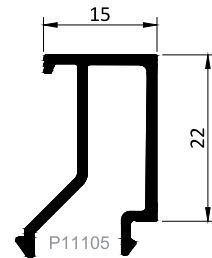
Ağırlık / Weight : 0.257 kg/m



Kod / Code : G2213

Profil No / Profile No : P11104

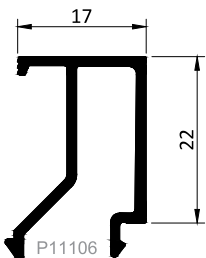
Ağırlık / Weight : 0.257 kg/m



Kod / Code : G2215

Profil No / Profile No : P11105

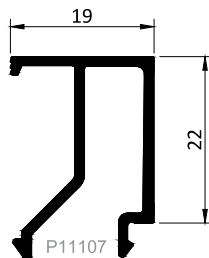
Ağırlık / Weight : 0.264 kg/m



Kod / Code : G2217

Profil No / Profile No : P11106

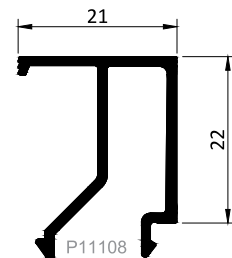
Ağırlık / Weight : 0.270 kg/m



Kod / Code : G2219

Profil No / Profile No : P11107

Ağırlık / Weight : 0.277 kg/m

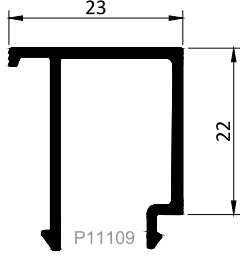
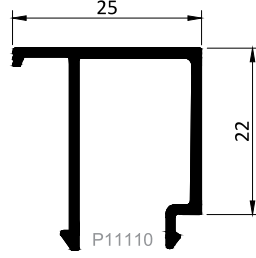
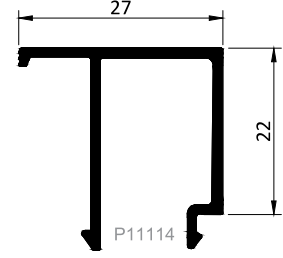
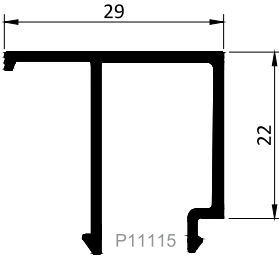
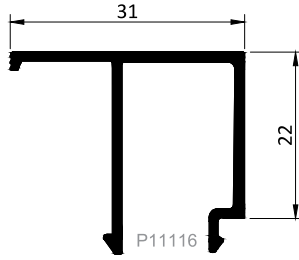
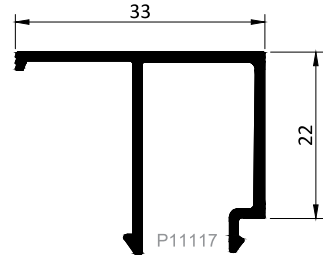


Kod / Code : G2221

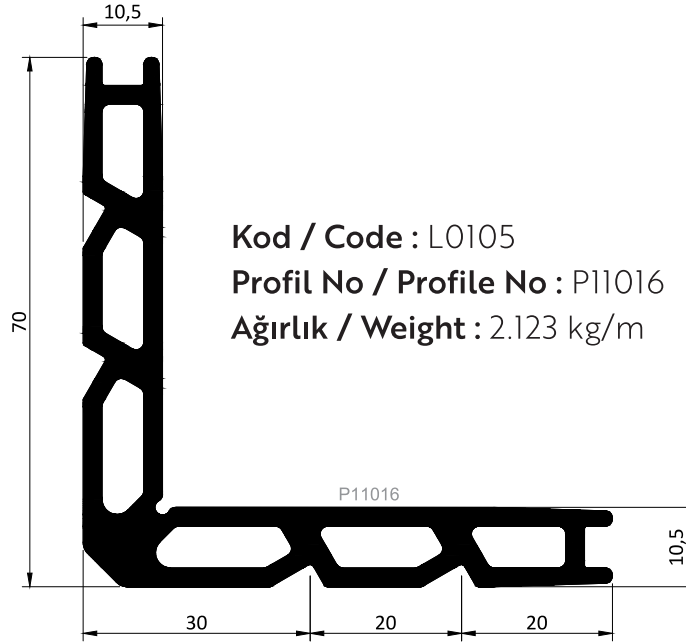
Profil No / Profile No : P11108

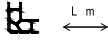
Ağırlık / Weight : 0.283 kg/m

PROFİLLER / PROFILES

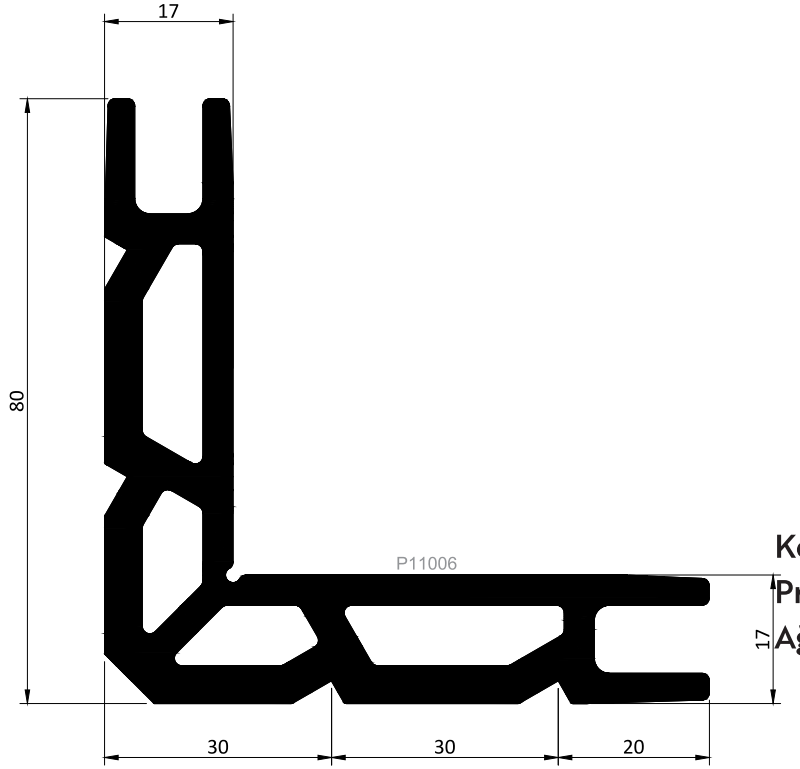
**Kod / Code :** G2223**Profil No / Profile No :** P11109**Ağırlık / Weight :** 0.282 kg/m**Kod / Code :** G2225**Profil No / Profile No :** P11110**Ağırlık / Weight :** 0.288 kg/m**Kod / Code :** G2227**Profil No / Profile No :** P11114**Ağırlık / Weight :** 0.294 kg/m**Kod / Code :** G2229**Profil No / Profile No :** P11115**Ağırlık / Weight :** 0.301 kg/m**Kod / Code :** G2231**Profil No / Profile No :** P11116**Ağırlık / Weight :** 0.308 kg/m**Kod / Code :** G2233**Profil No / Profile No :** P11117**Ağırlık / Weight :** 0.314 kg/m

PROFİLLER / PROFILES



KÖŞE TAKOZLARI / CORNER CLEATS			
PROFİL NO. SYSTEM CODE		AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING SIZE
ST10001	L0105	105L391	39,1 mm
	L0105	105L312	31,2 mm
ST10002	L0105	105L391	39,1 mm
	L0105	105L312	31,2 mm
ST10003	L0105	105L587	58,7 mm
	L0105	105L236	23,6 mm
ST10004	L0105	105L587	58,7 mm
	L0105	105L236	23,6 mm
ST10005	L0105	105L391	39,1 mm
	L0105	105L653	65,3 mm
ST10006	L0105	105L391	39,1 mm
	L0105	105L653	65,3 mm
ST10007	L0105	105L391	39,1 mm
	L0105	105L244	24,4 mm
	L0105	105L312	31,2 mm
ST10008	L0105	105L391	39,1 mm
	L0105	105L251	25,1 mm
	L0105	105L312	31,2 mm
ST10009	L0105	105L452	45,2 mm
ST10010	L0105	105L985	98,5 mm
ST10011	L0105	105L235	23,5 mm

PROFİLLER / PROFILES



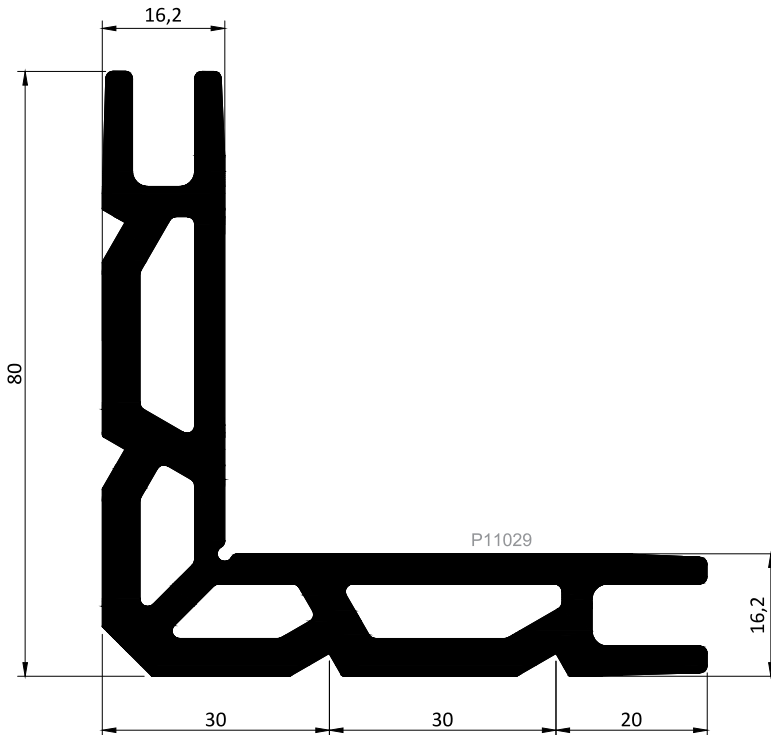
Kod / Code : L0170

Profil No / Profile No : P11006

Ağırlık / Weight : 3.892 kg/m

KÖŞE TAKOZLARI / CORNER CLEATS

PROFİL NO. SYSTEM CODE	 L m	AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING SIZE
ST10009	L0170	170L234	23,4 mm
	L0170	170L078	7,8 mm
ST10010	L0170	170L234	23,4 mm
	L0170	170L078	7,8 mm



Kod / Code : L0162

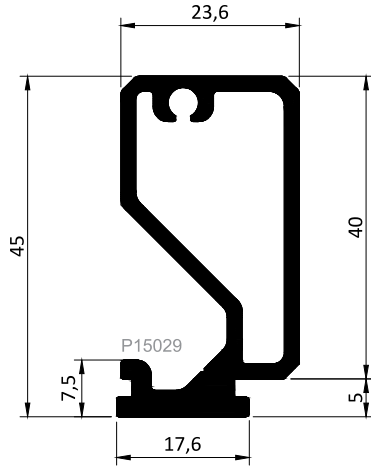
Profil No / Profile No : P11029

Ağırlık / Weight : 3.868 kg/m

KÖŞE TAKOZLARI / CORNER CLEATS

PROFİL NO. SYSTEM CODE	 L m	AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING SIZE
ST12031	L0162	162L333	33,3 mm

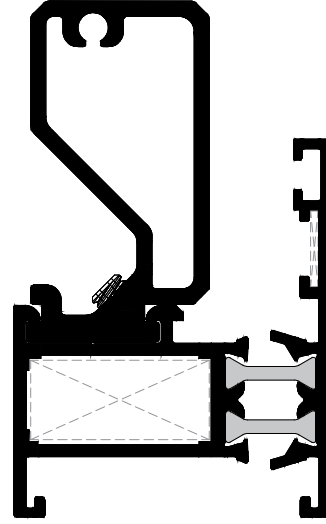
PROFİLLER / PROFILES



Kod / Code : J0006

Profil No / Profile No : P15029

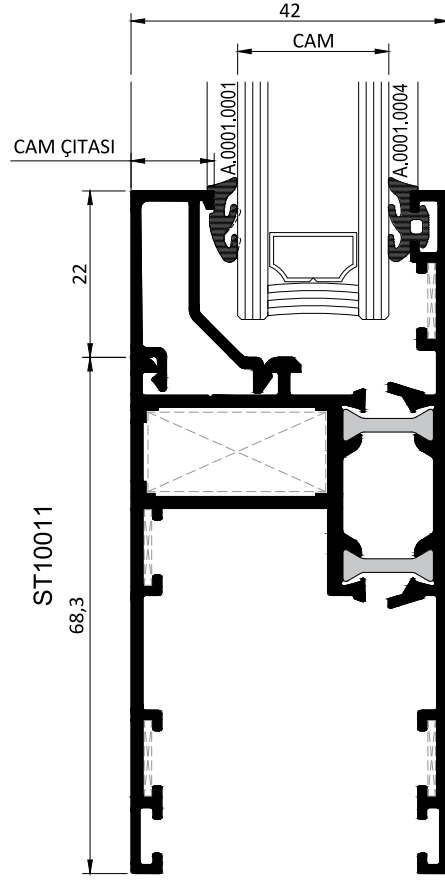
Ağırlık / Weight : 0.878 kg/m



KÖŞE TAKOZLARI / CORNER CLEATS

PROFİL NO. SYSTEM CODE	 L m	AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING SIZE
ST10013	ST10024	006J105	10,5 mm
ST10014	ST10024	006J105	10,5 mm

PROFİLLER / PROFILES



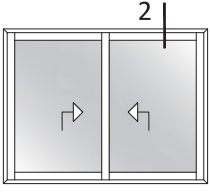
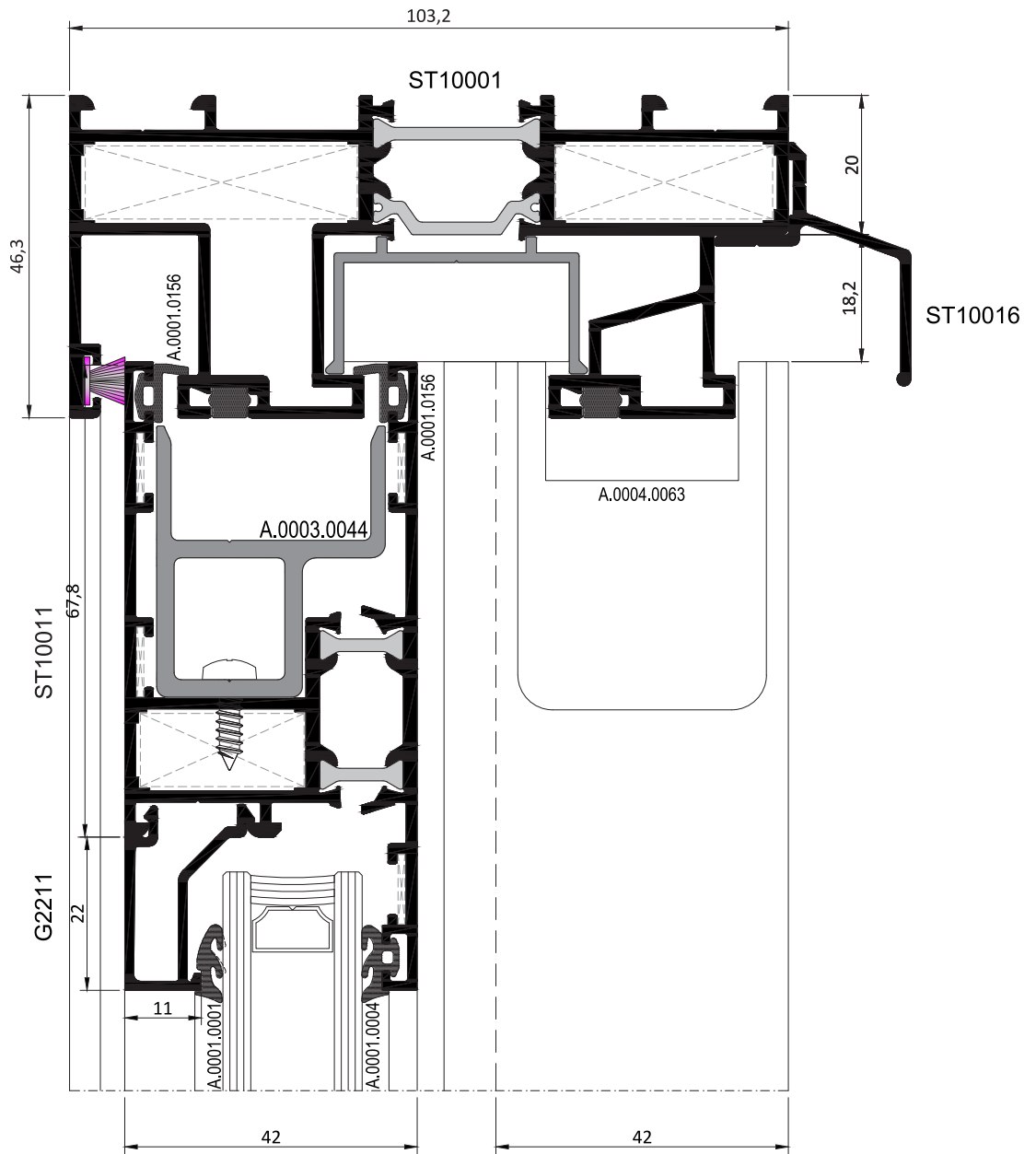
				
Cam (Glass)	Cam Çıtası (Glazing Bead)	A(mm)	İç Cam Fıtlı (Inside Glazing Gasket)	Dış Cam Fıtlı (Outside Glazing Gasket)
6	G2225	25	A.0001.0001	A.0001.0004
8	G2223	23	A.0001.0001	A.0001.0004
10	G2221	21	A.0001.0001	A.0001.0004
12	G2219	19	A.0001.0001	A.0001.0004
14	G2217	17	A.0001.0001	A.0001.0004
16	G2215	15	A.0001.0001	A.0001.0004
18	G2213	13	A.0001.0001	A.0001.0004
20	G2211	11	A.0001.0001	A.0001.0004
22	G2209	9	A.0001.0001	A.0001.0004
24	G2207	7	A.0001.0001	A.0001.0004
26	G2205	5	A.0001.0001	A.0001.0004



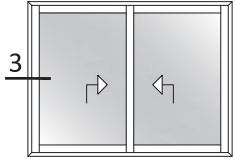
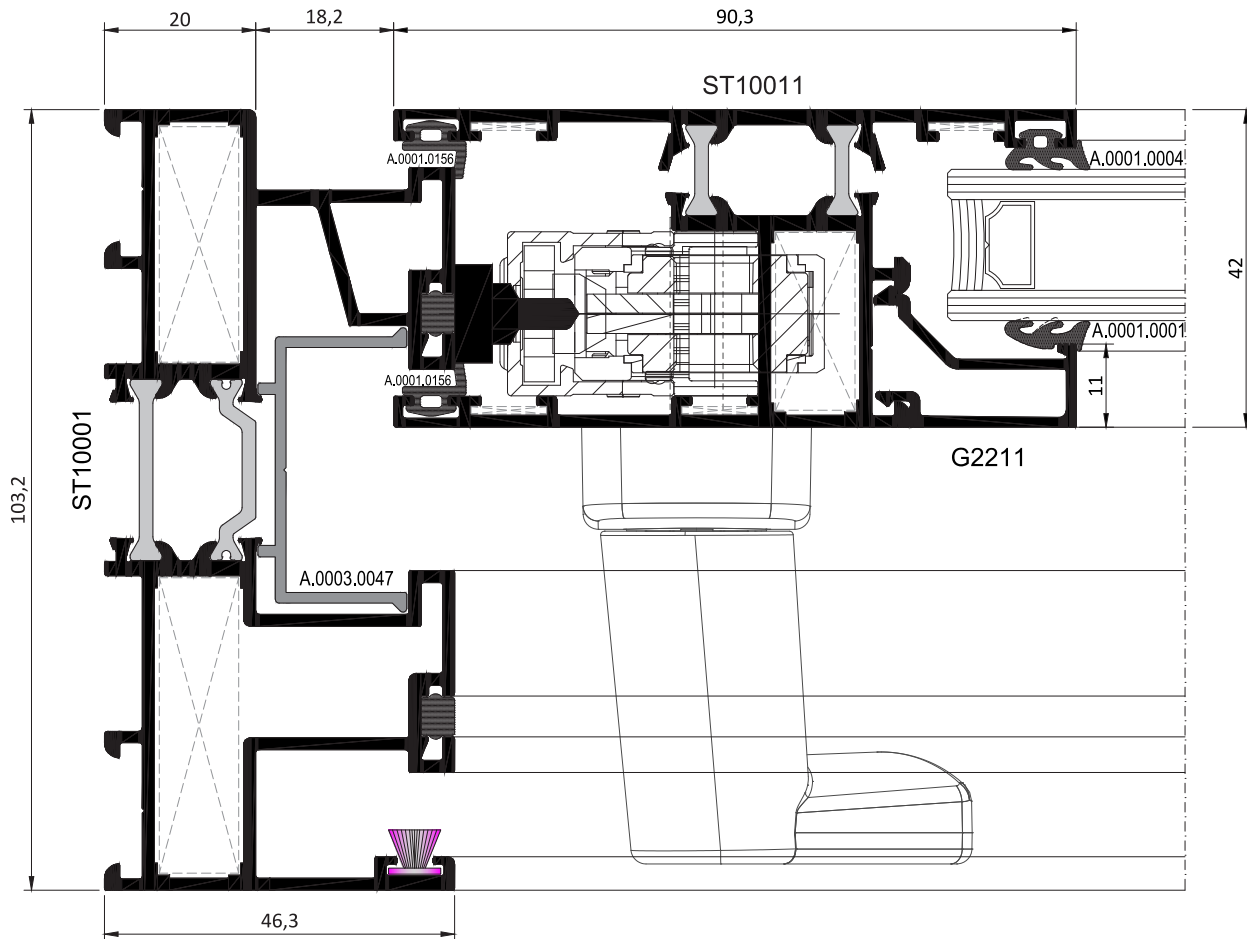
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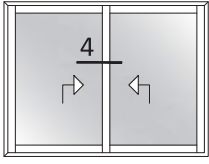
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SLIDING DETAIL

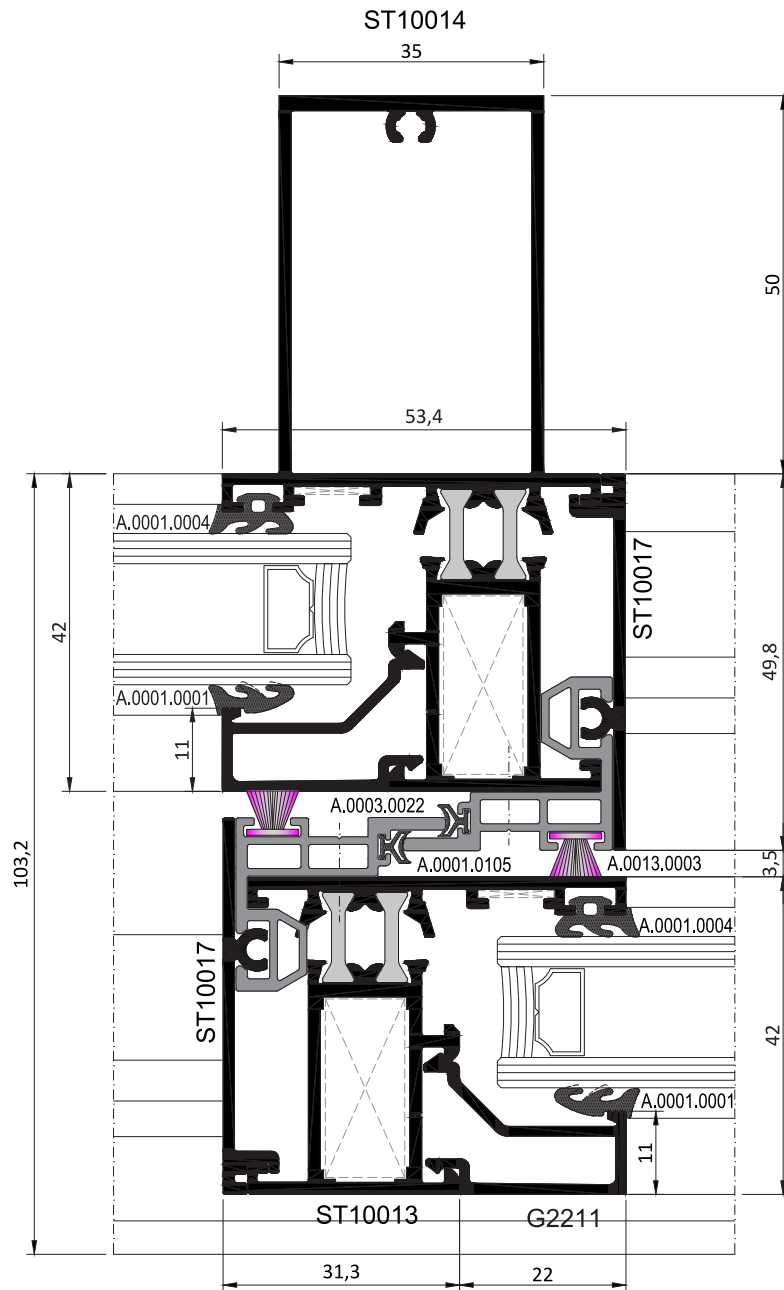
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SLIDING DETAIL

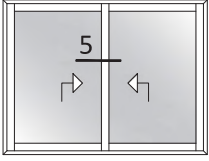
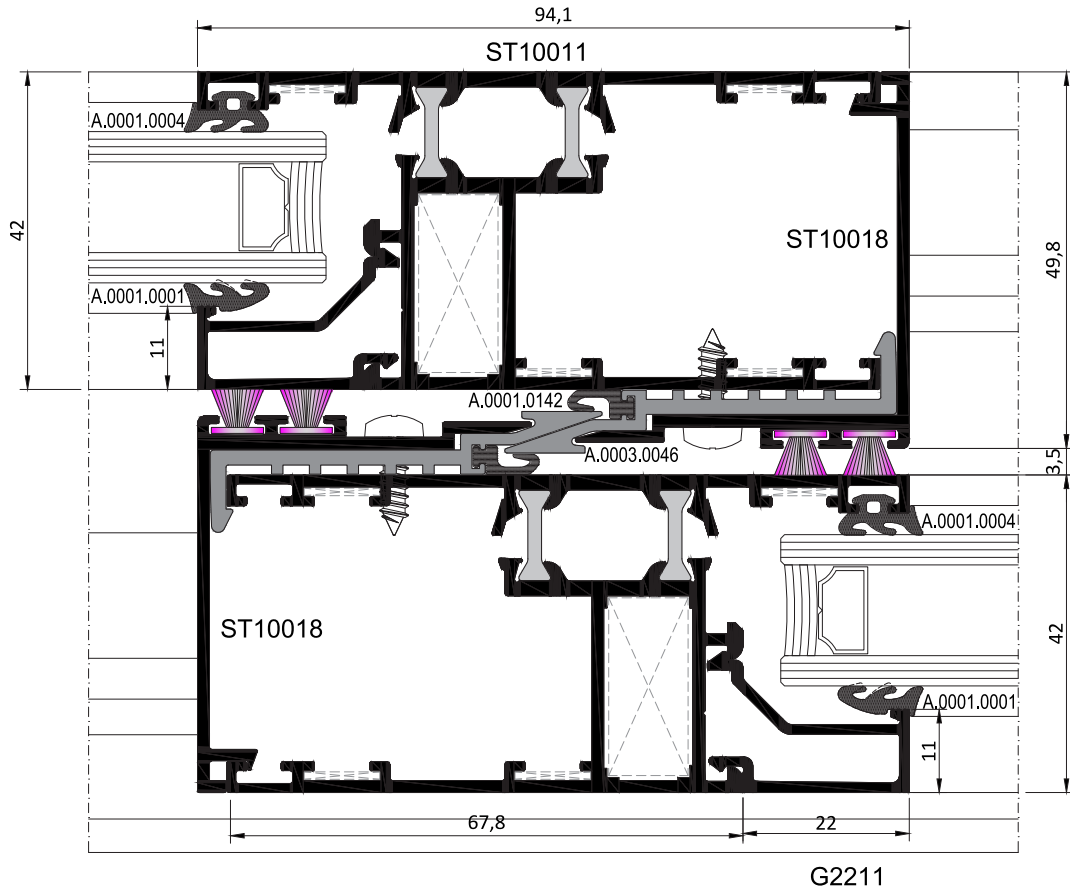
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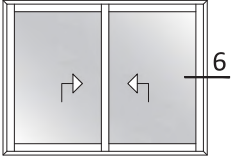
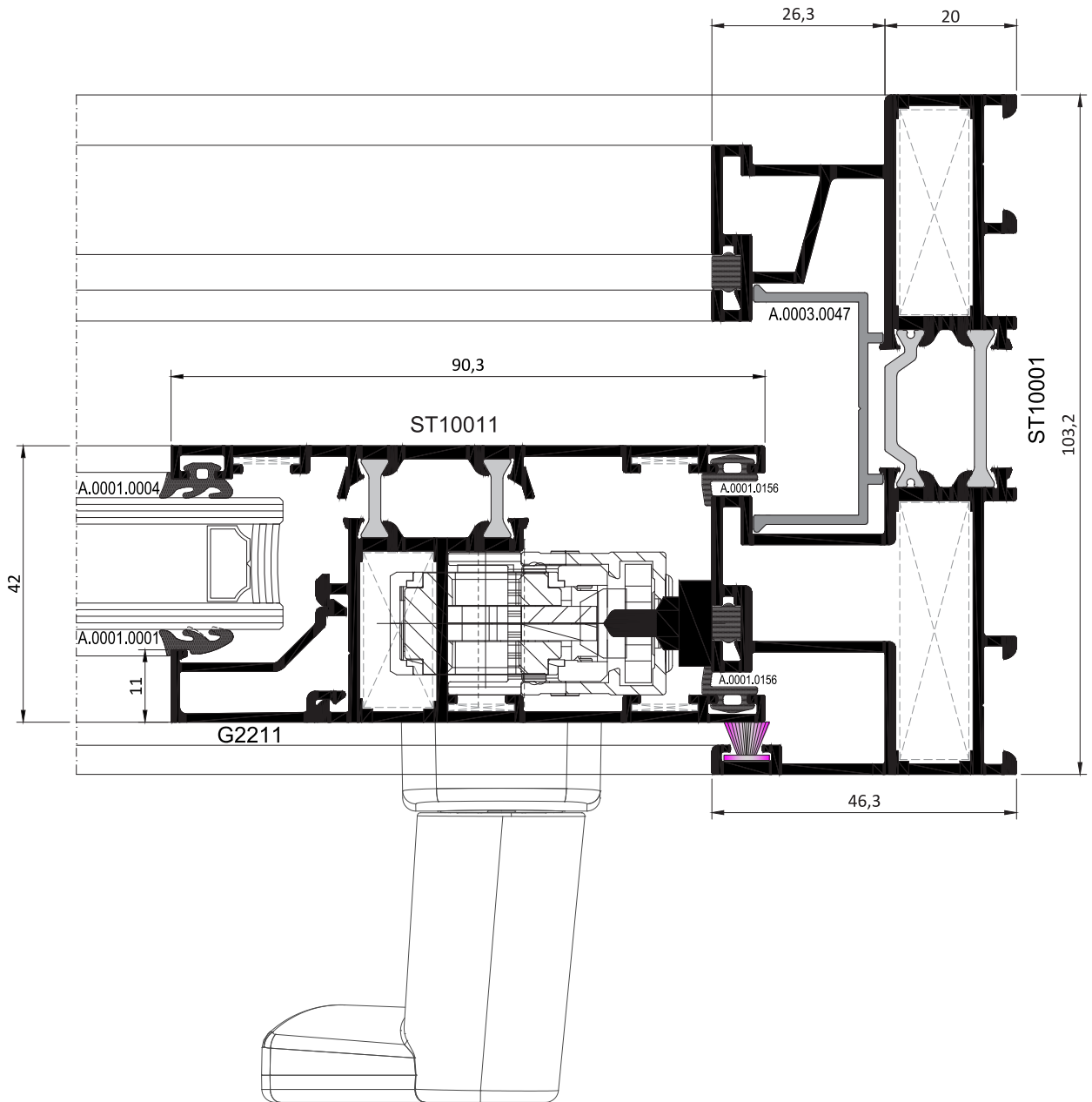
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SLIDING DETAIL



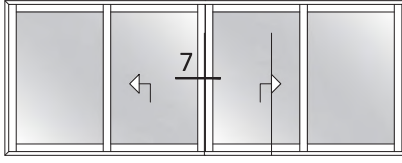
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SÜRME DETAYI
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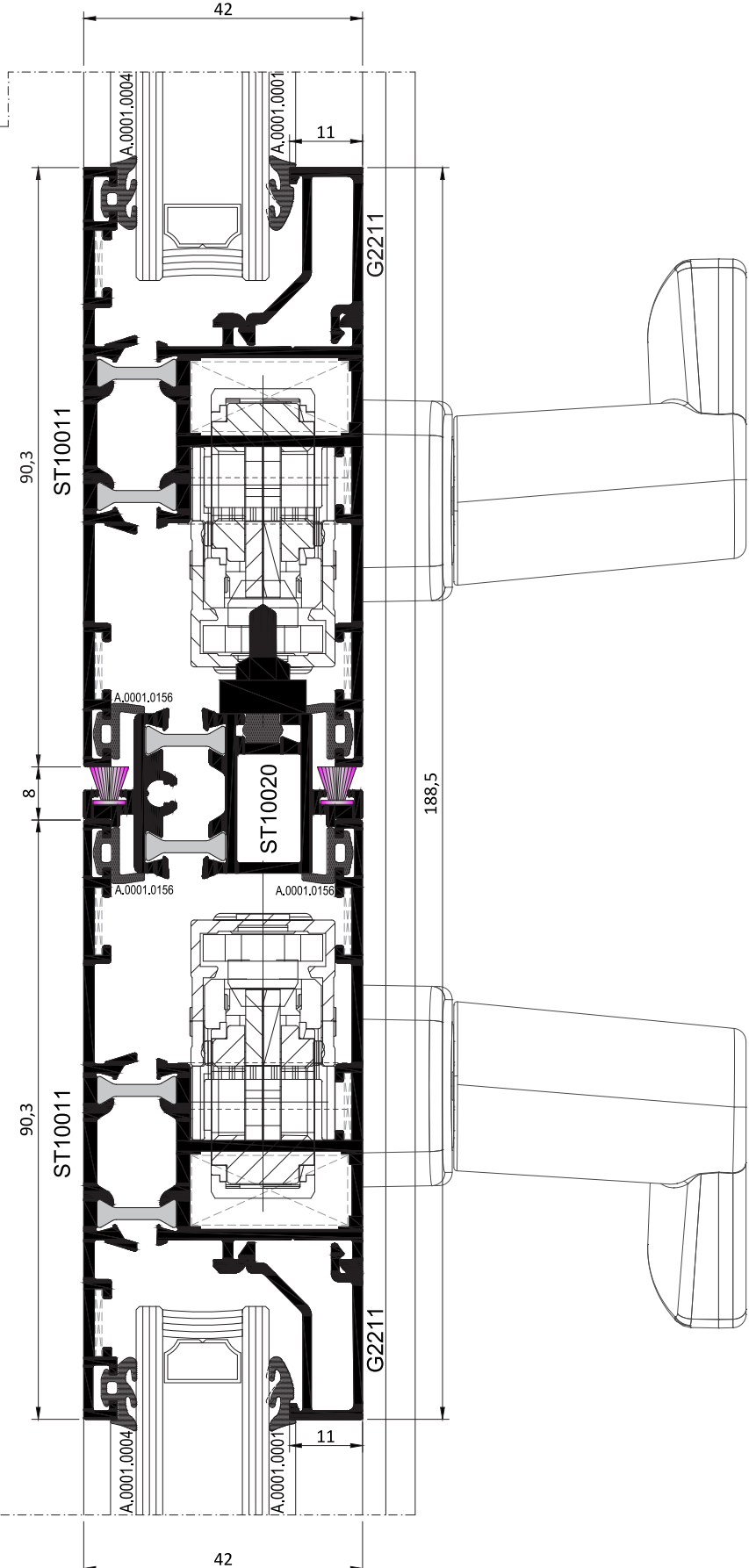
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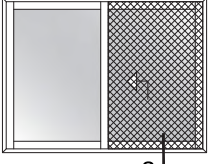
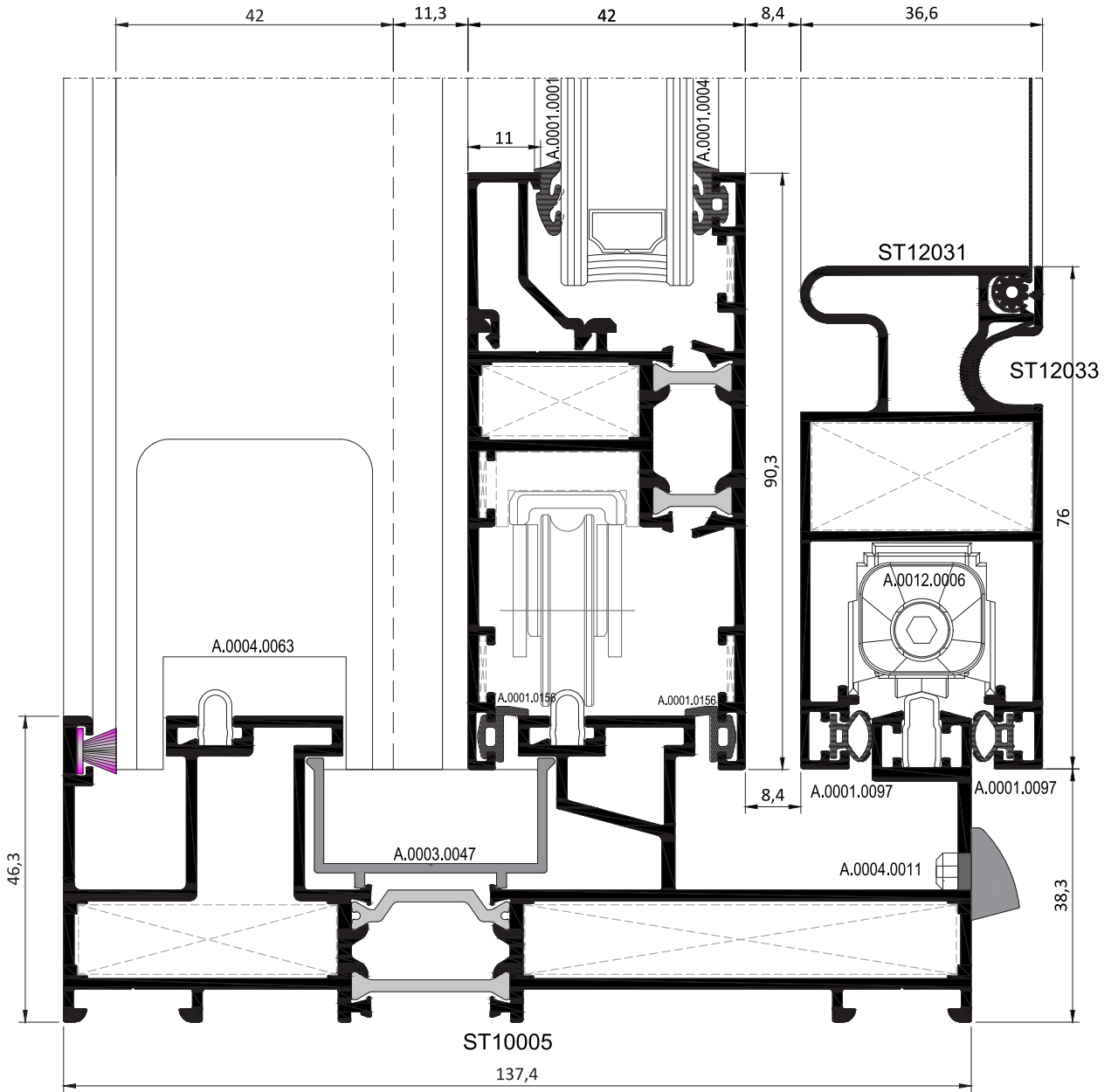
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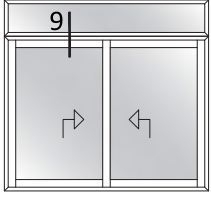
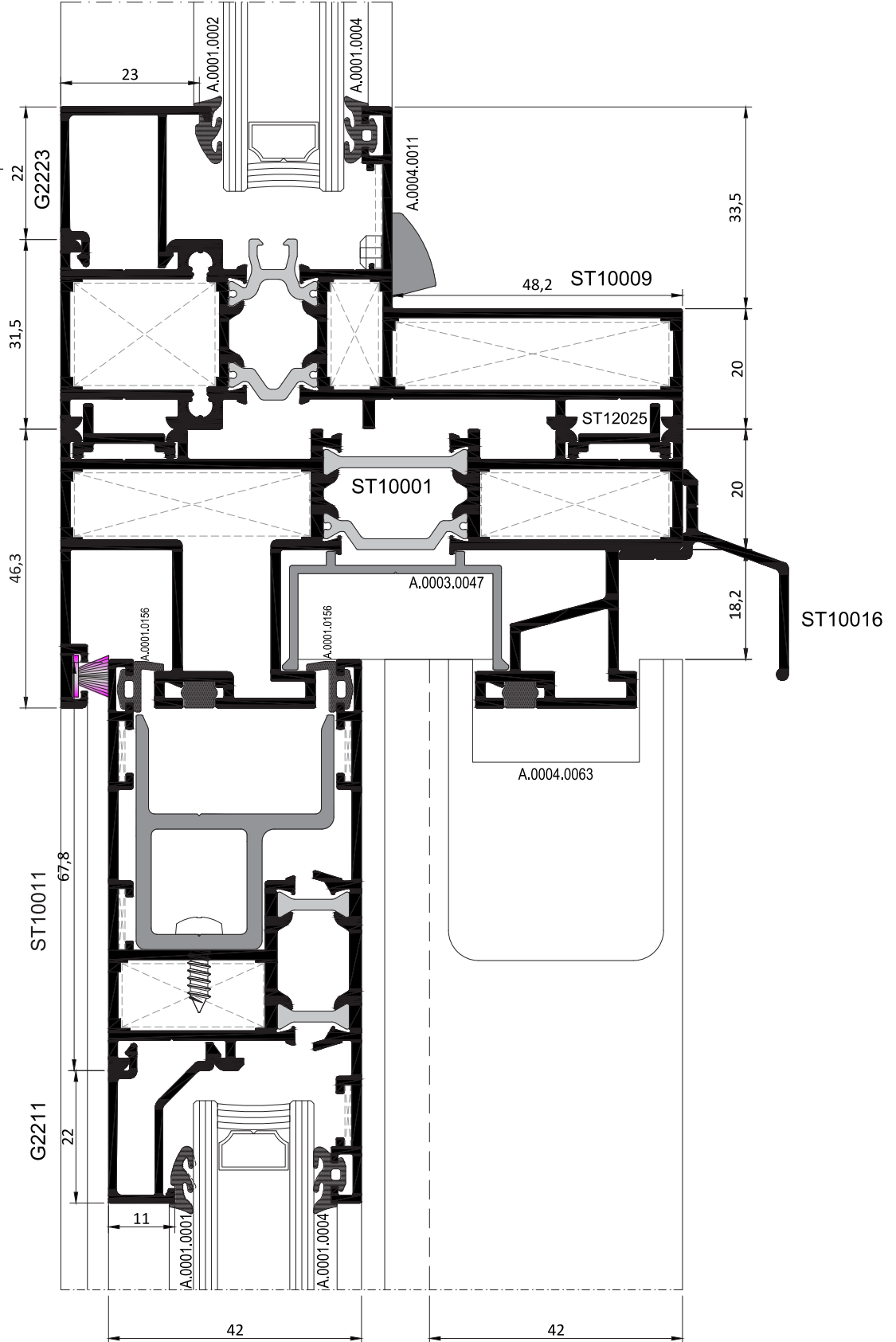
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SÜRME DETAYI
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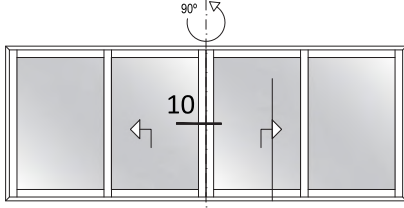
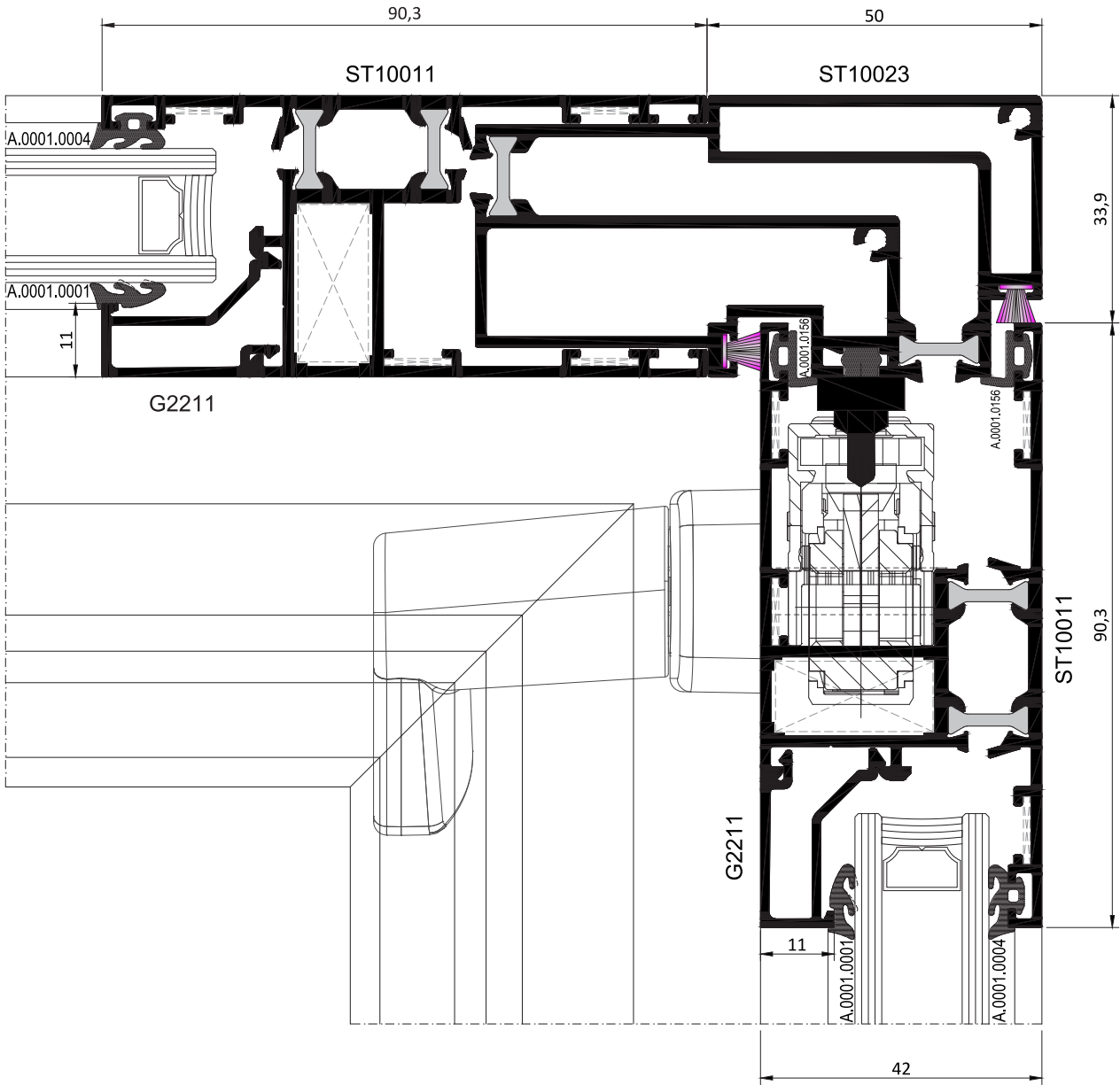
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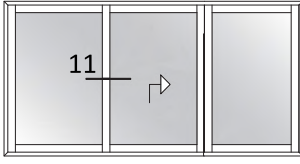
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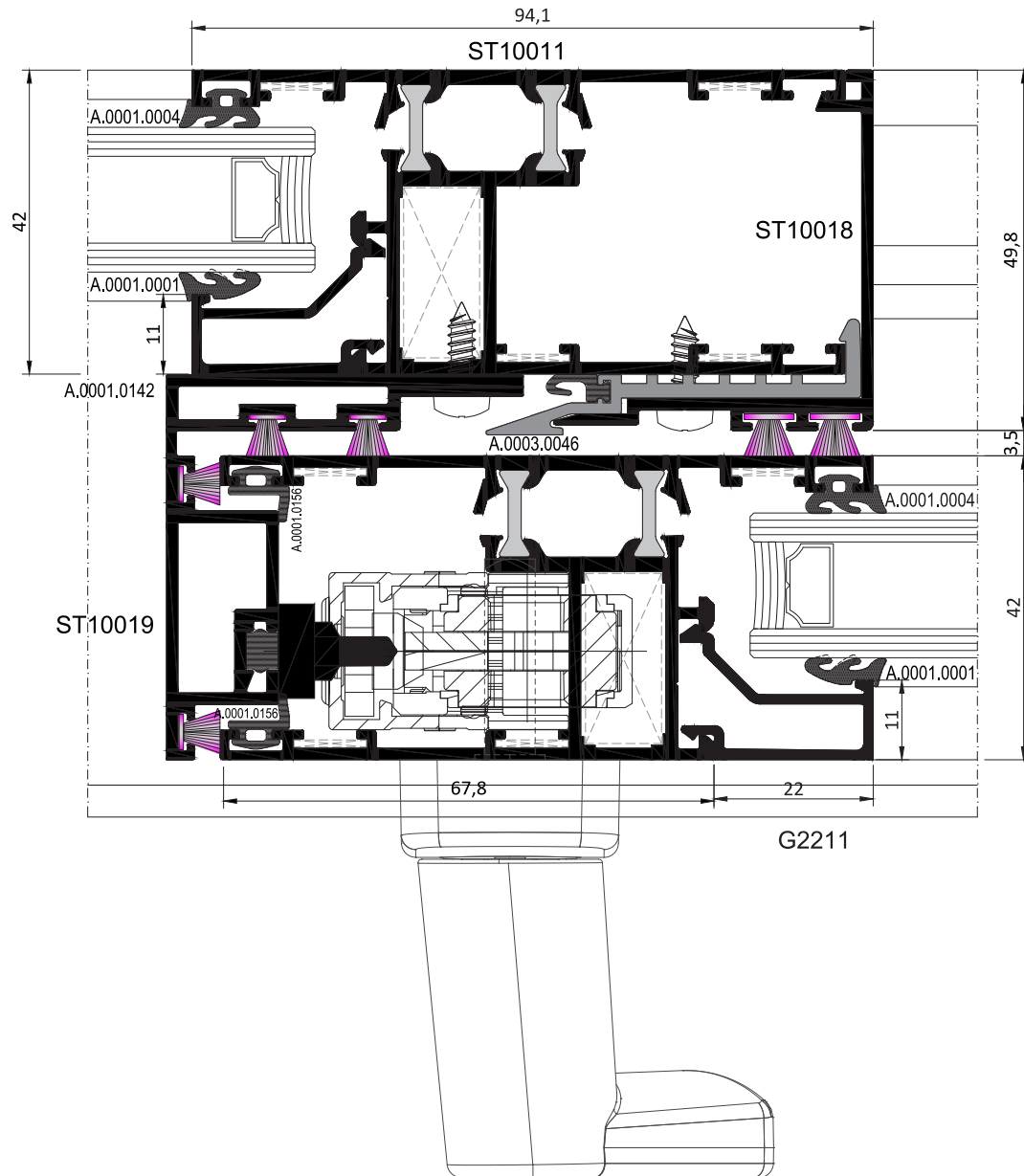
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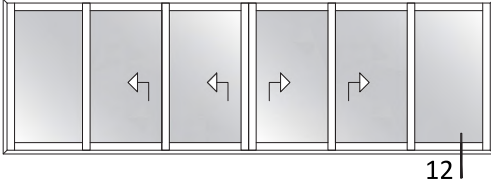
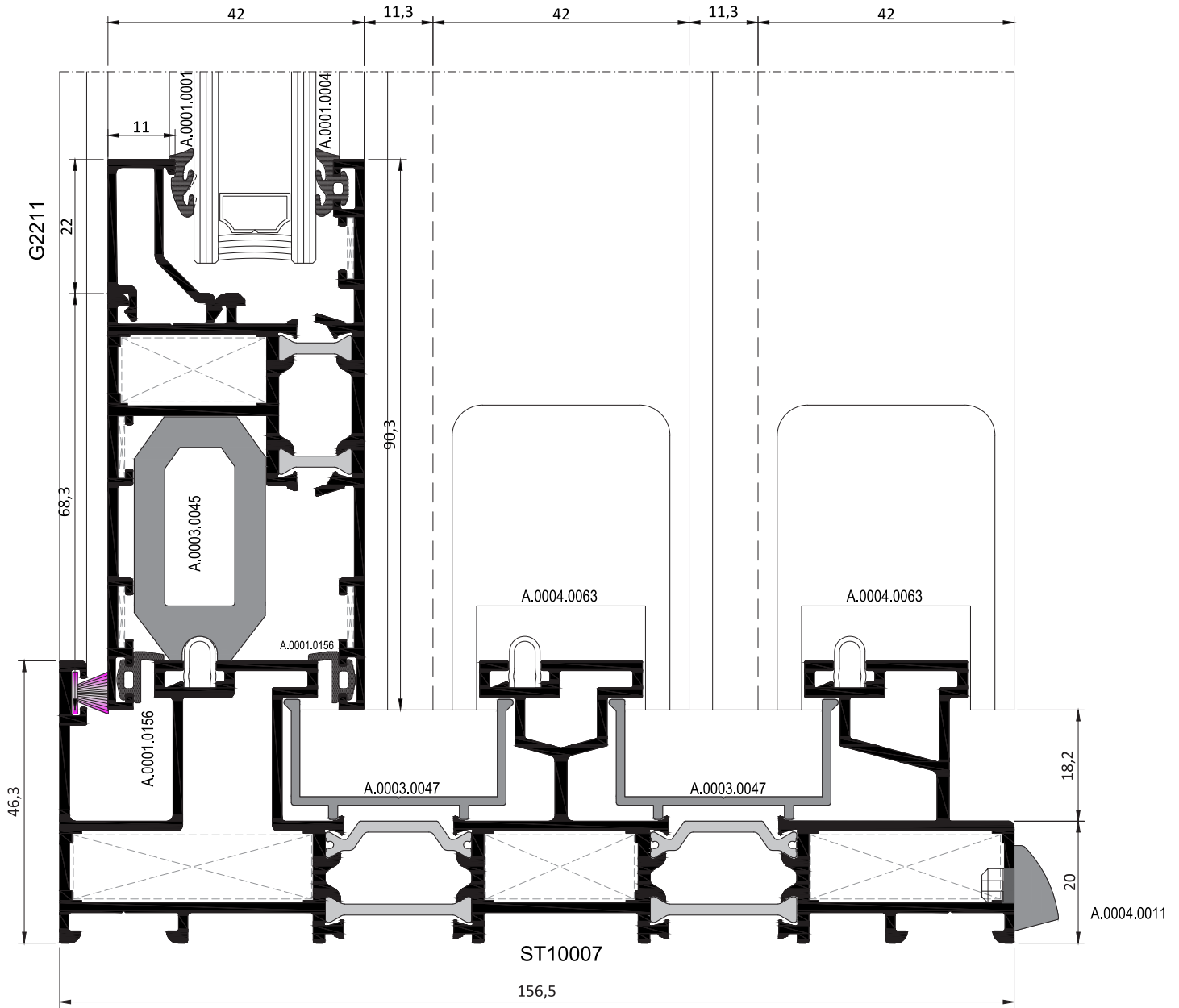
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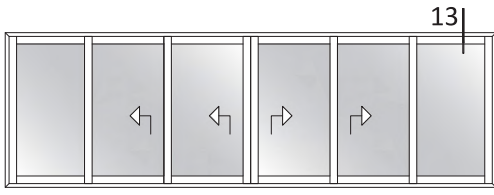
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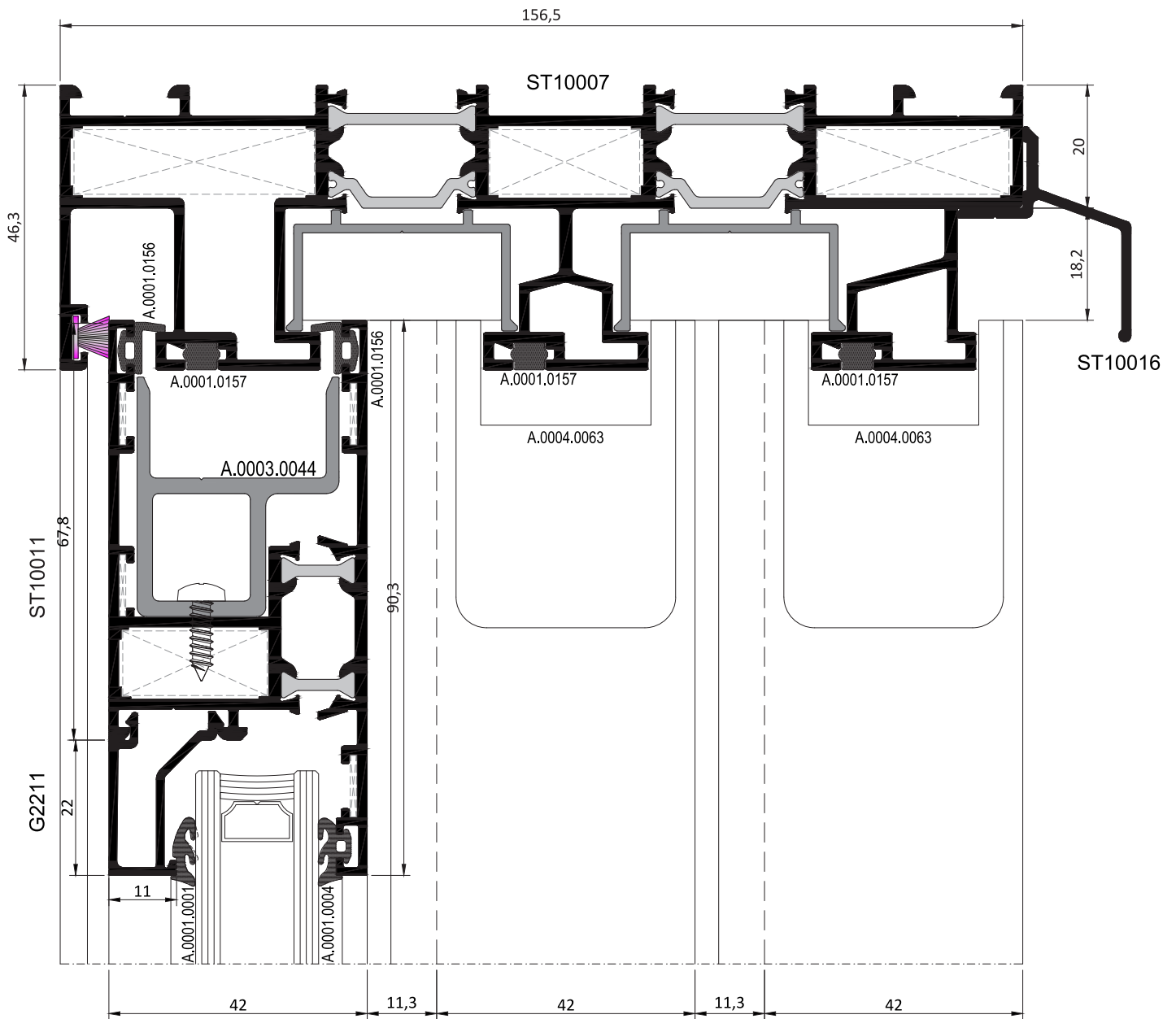
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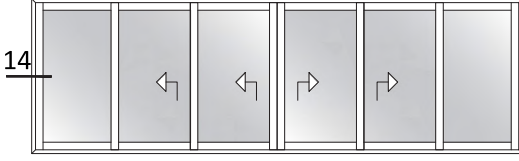
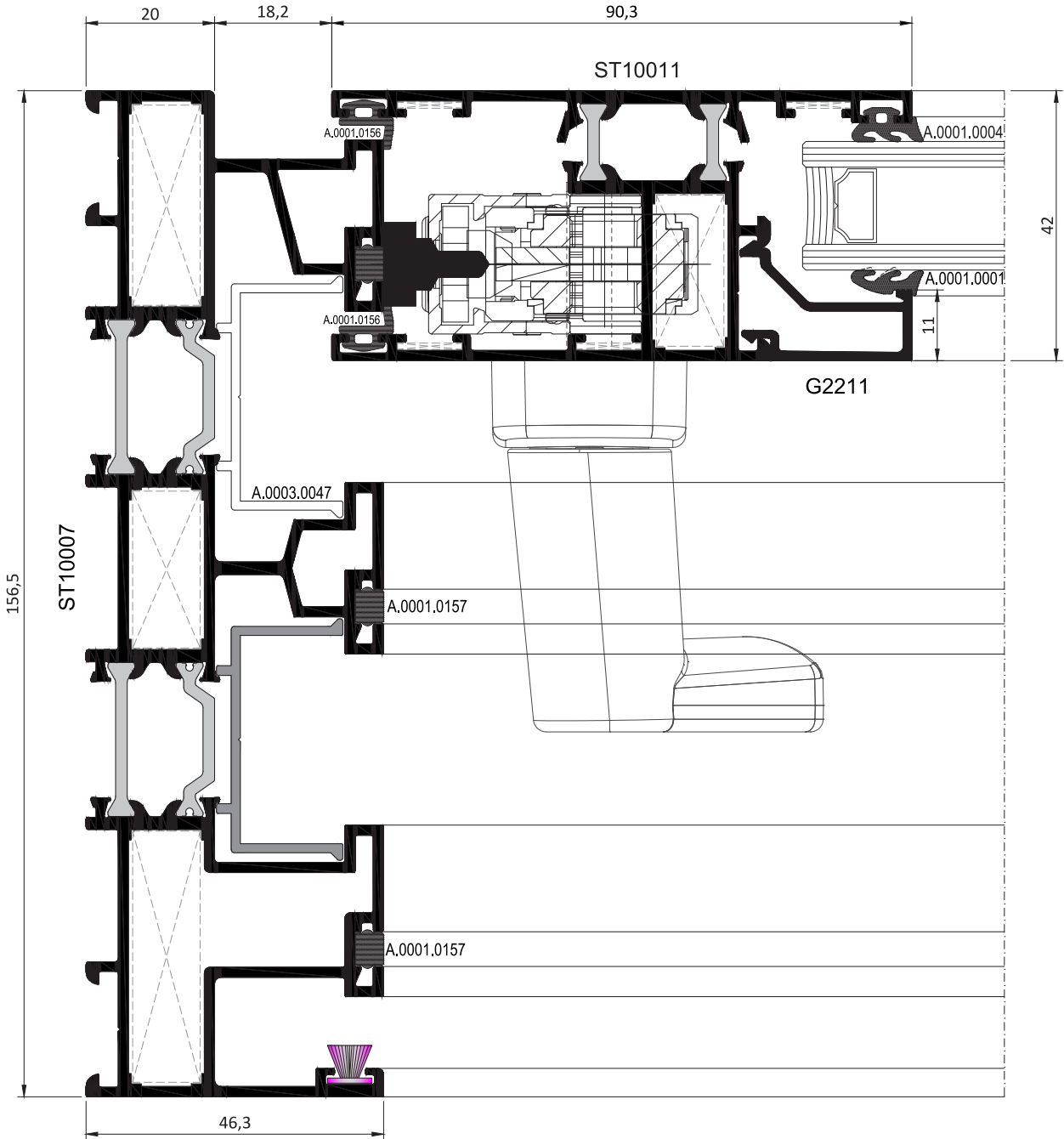
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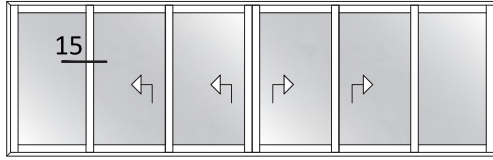
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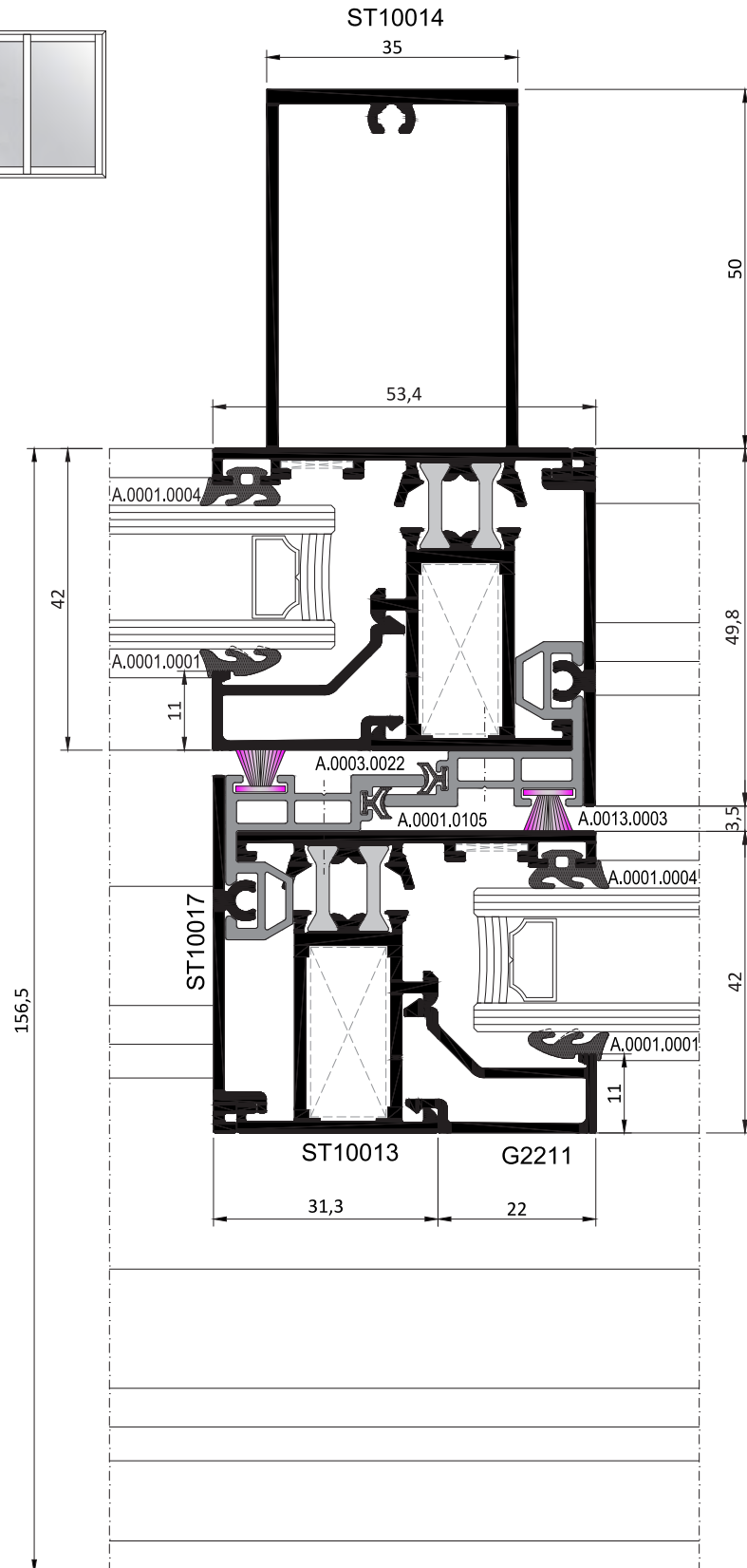
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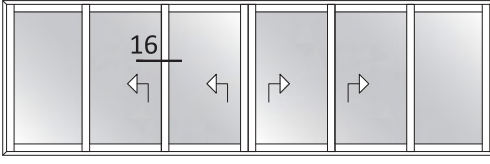
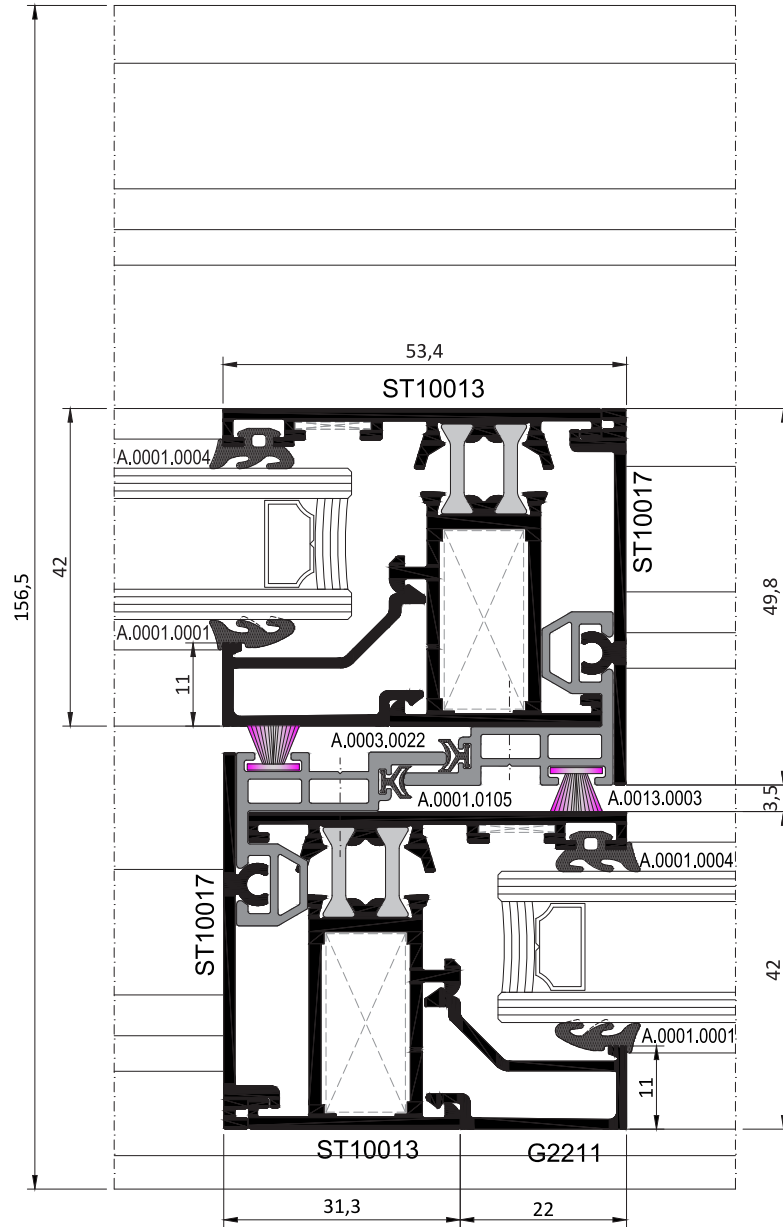
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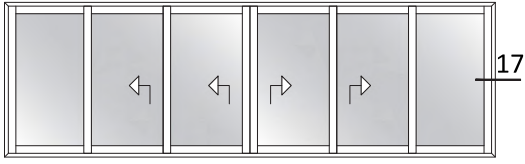
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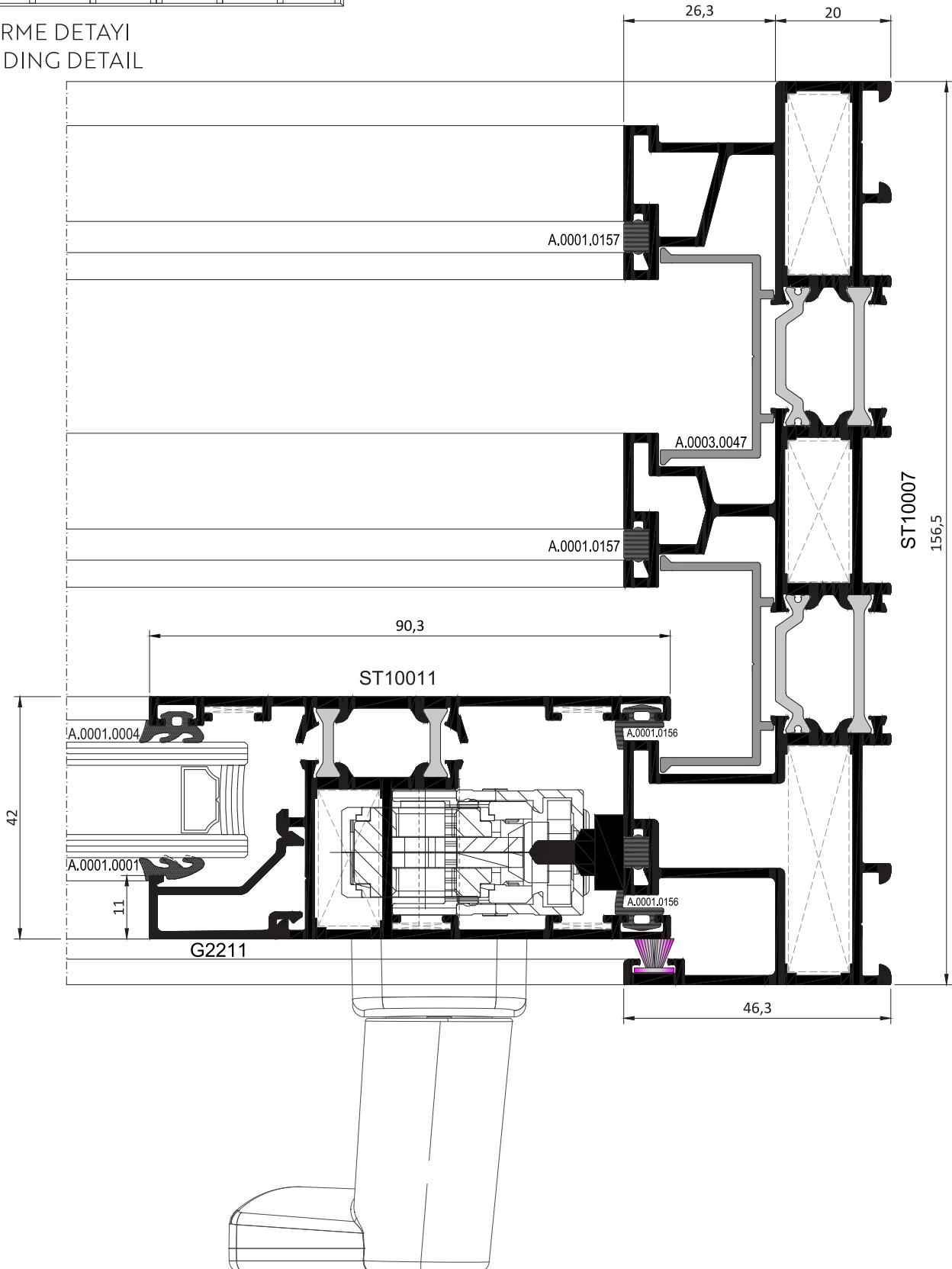
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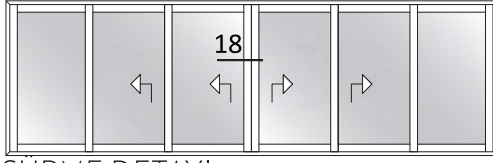
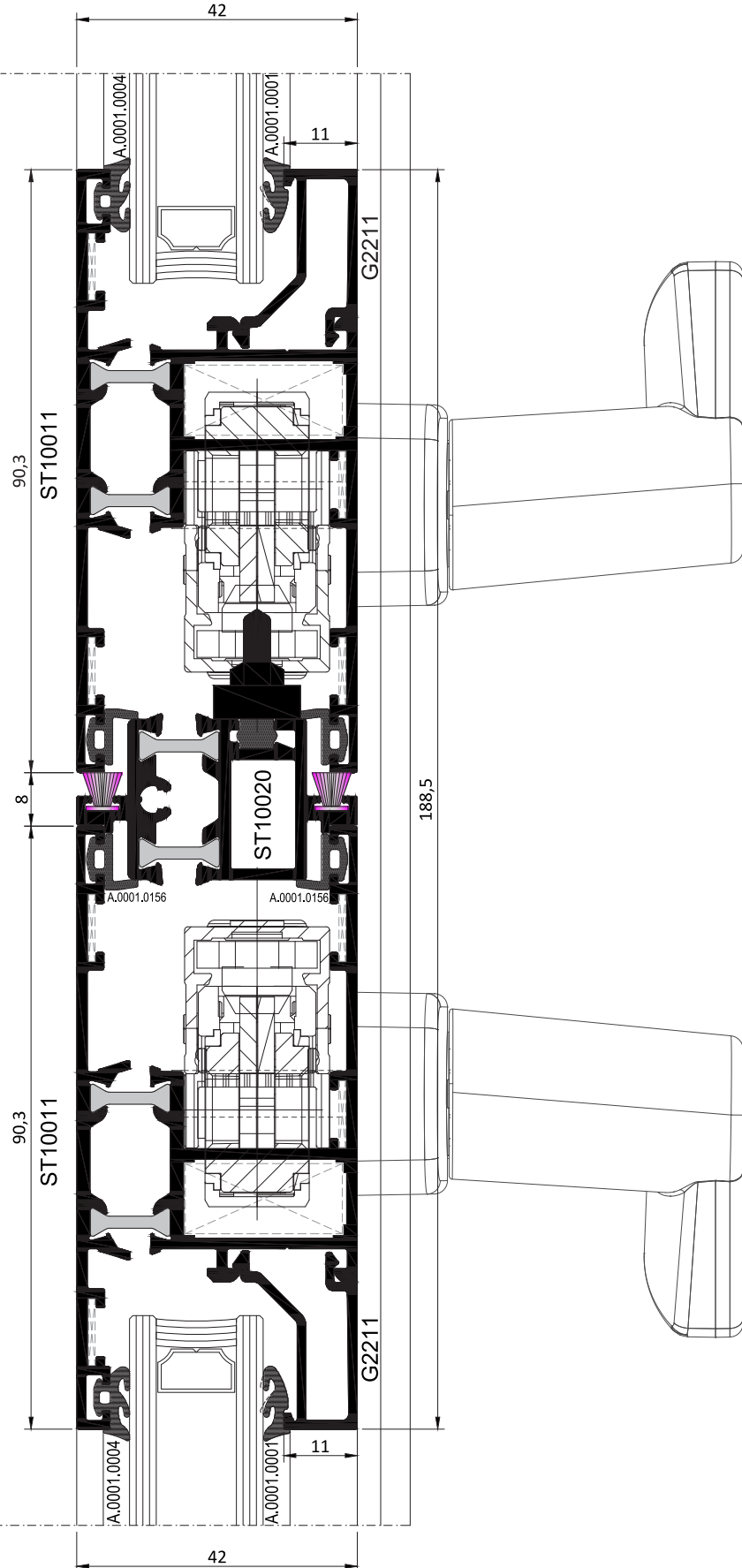
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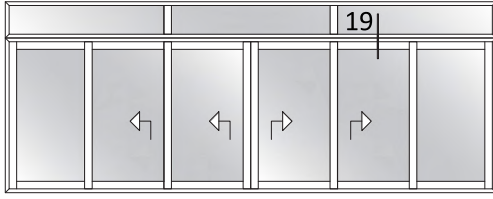
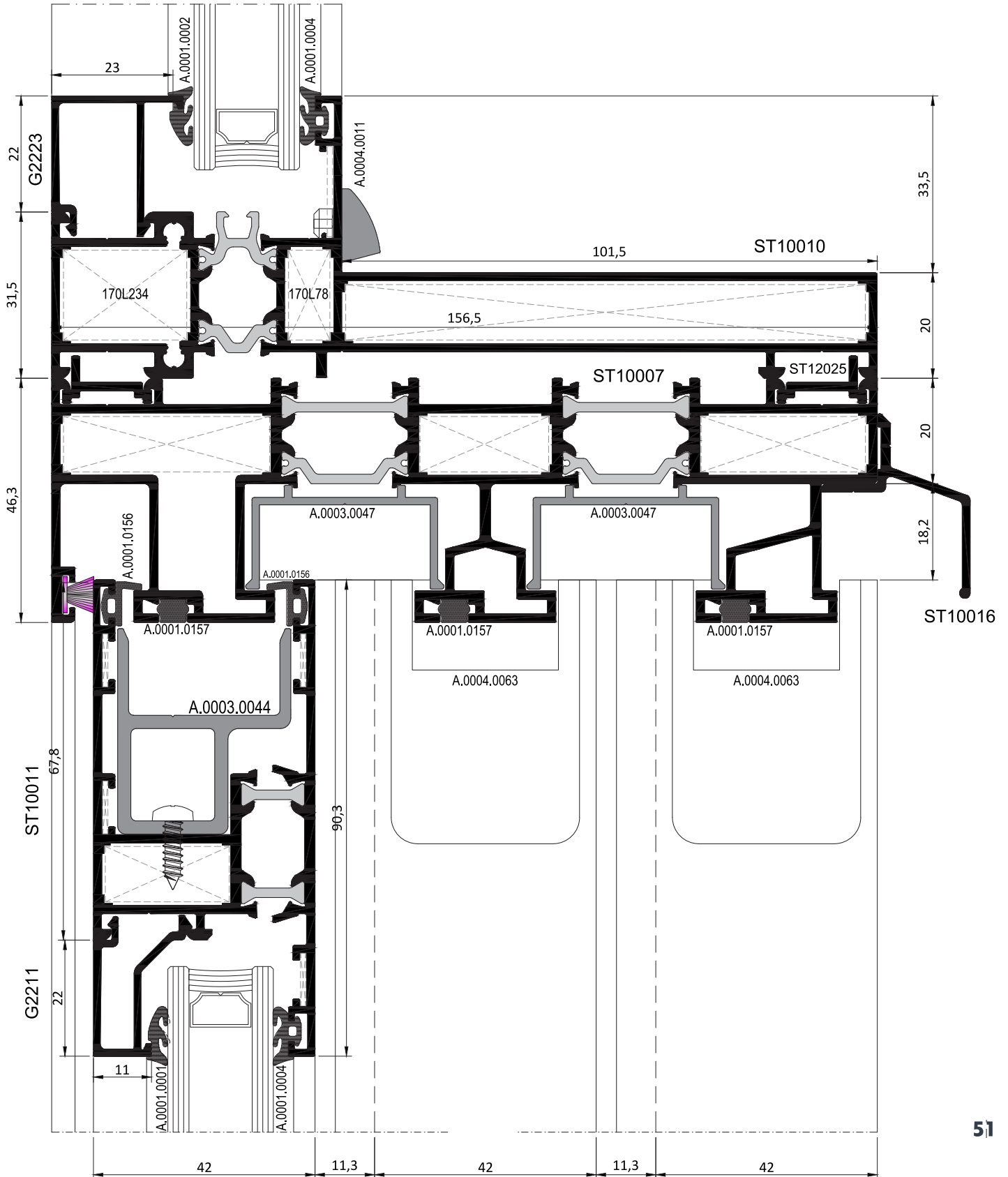
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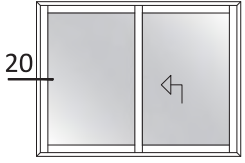
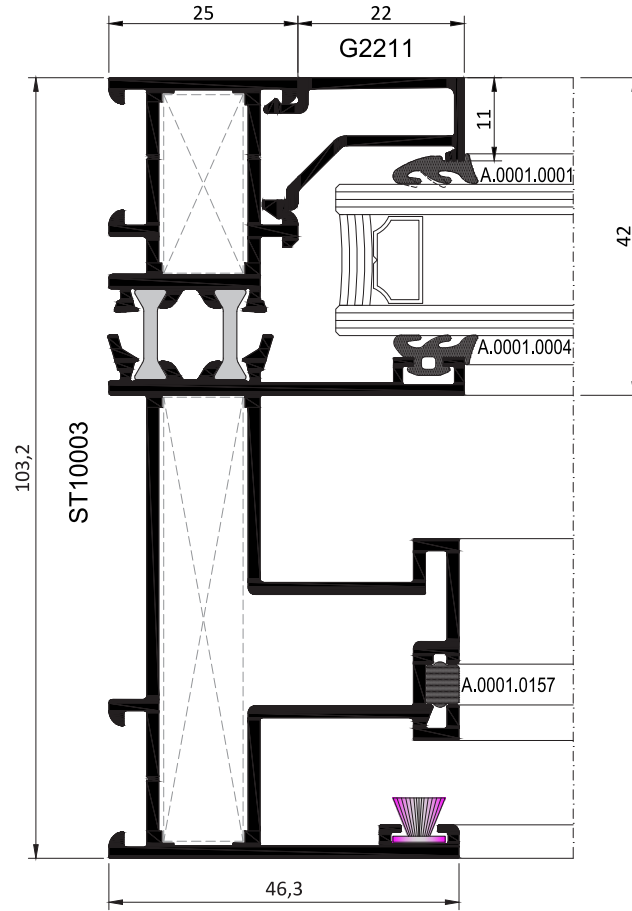
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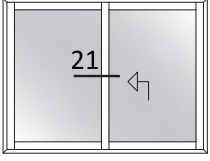
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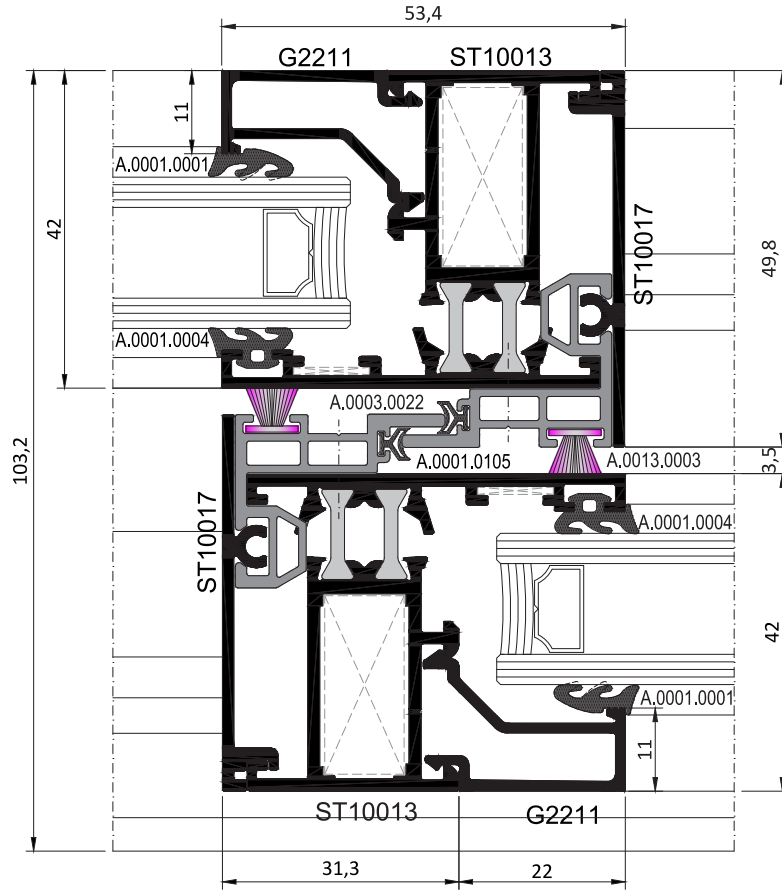
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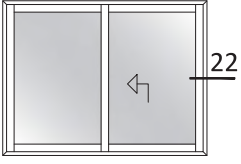
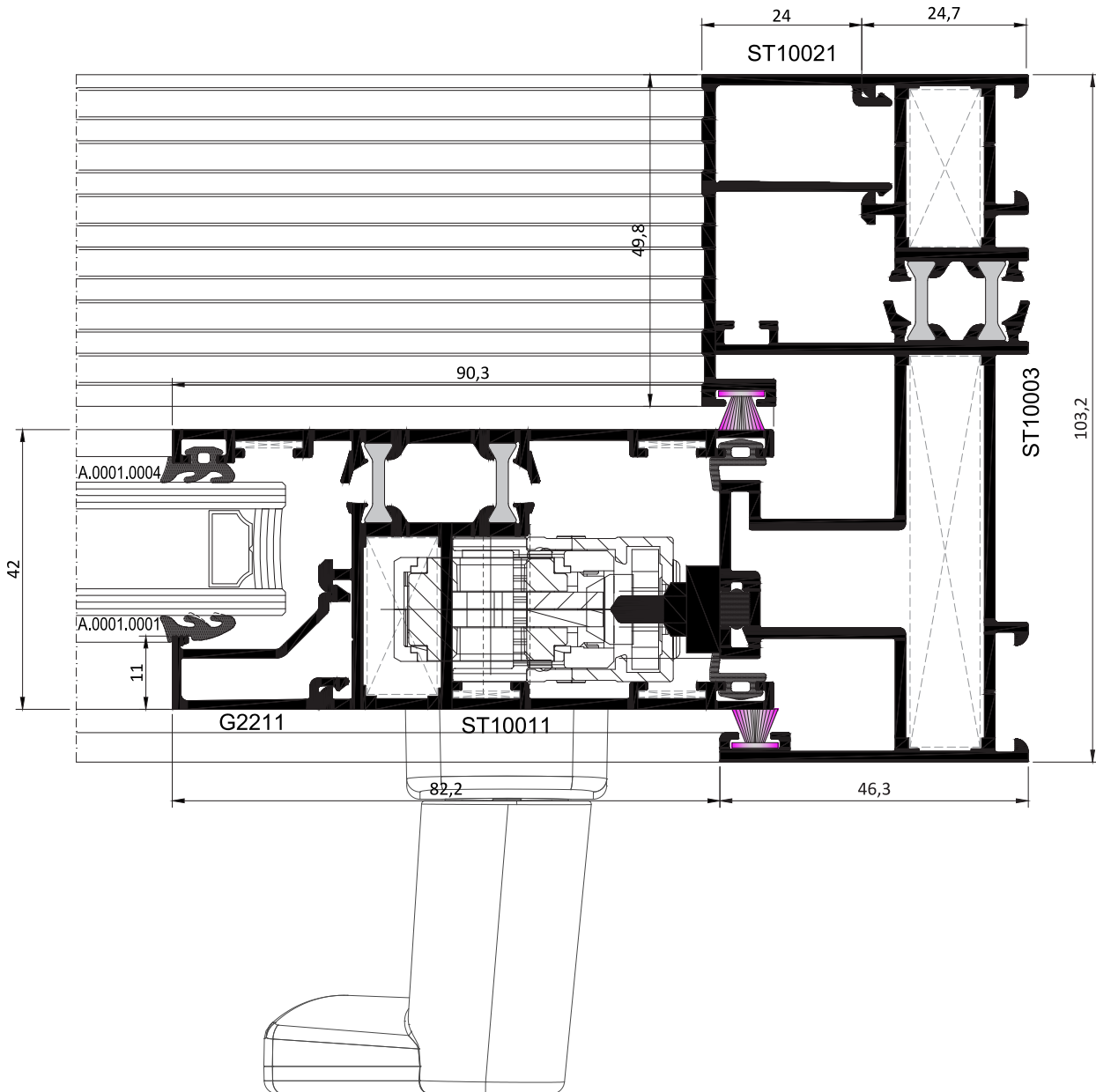
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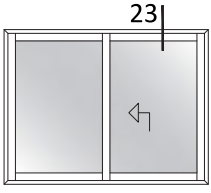
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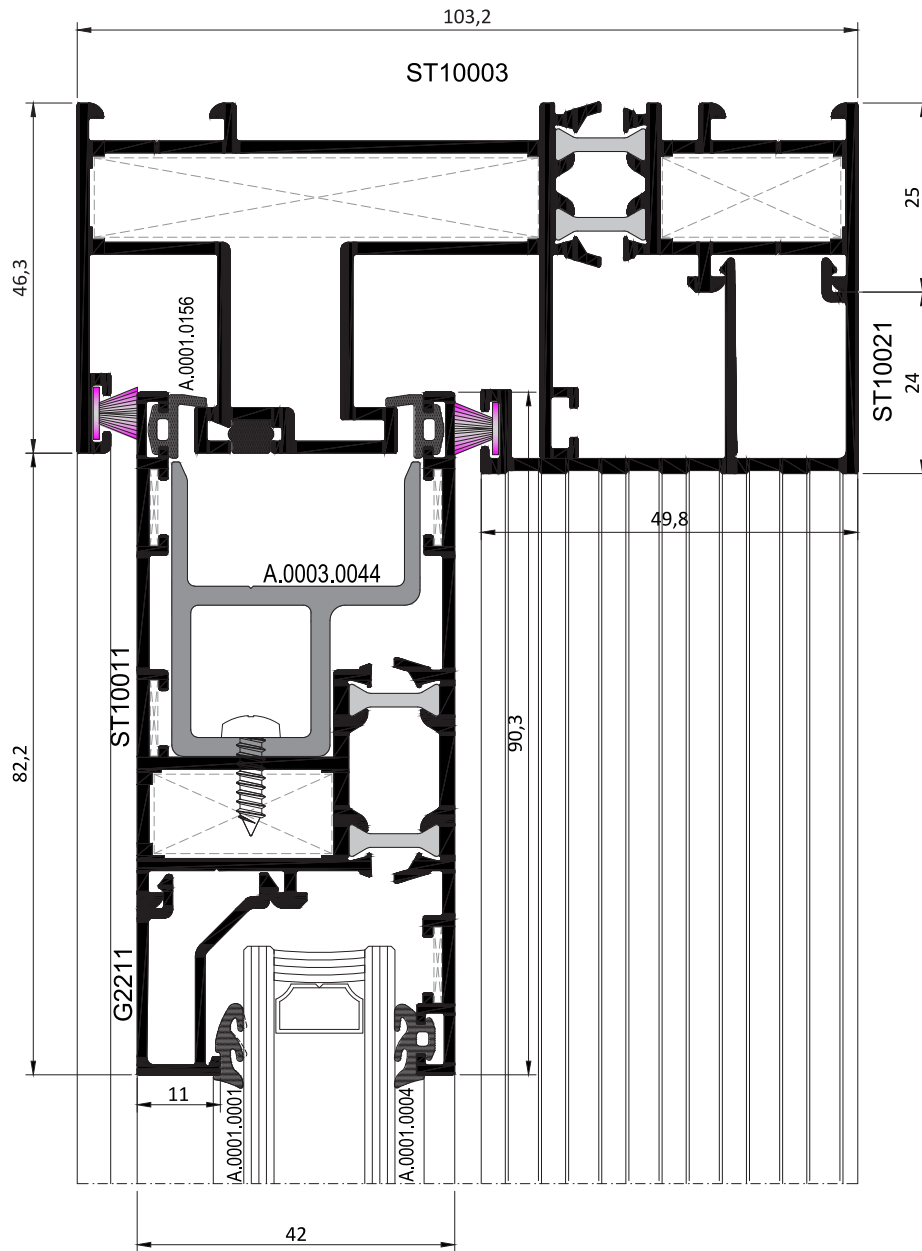
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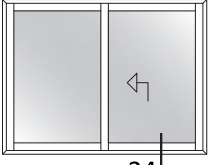
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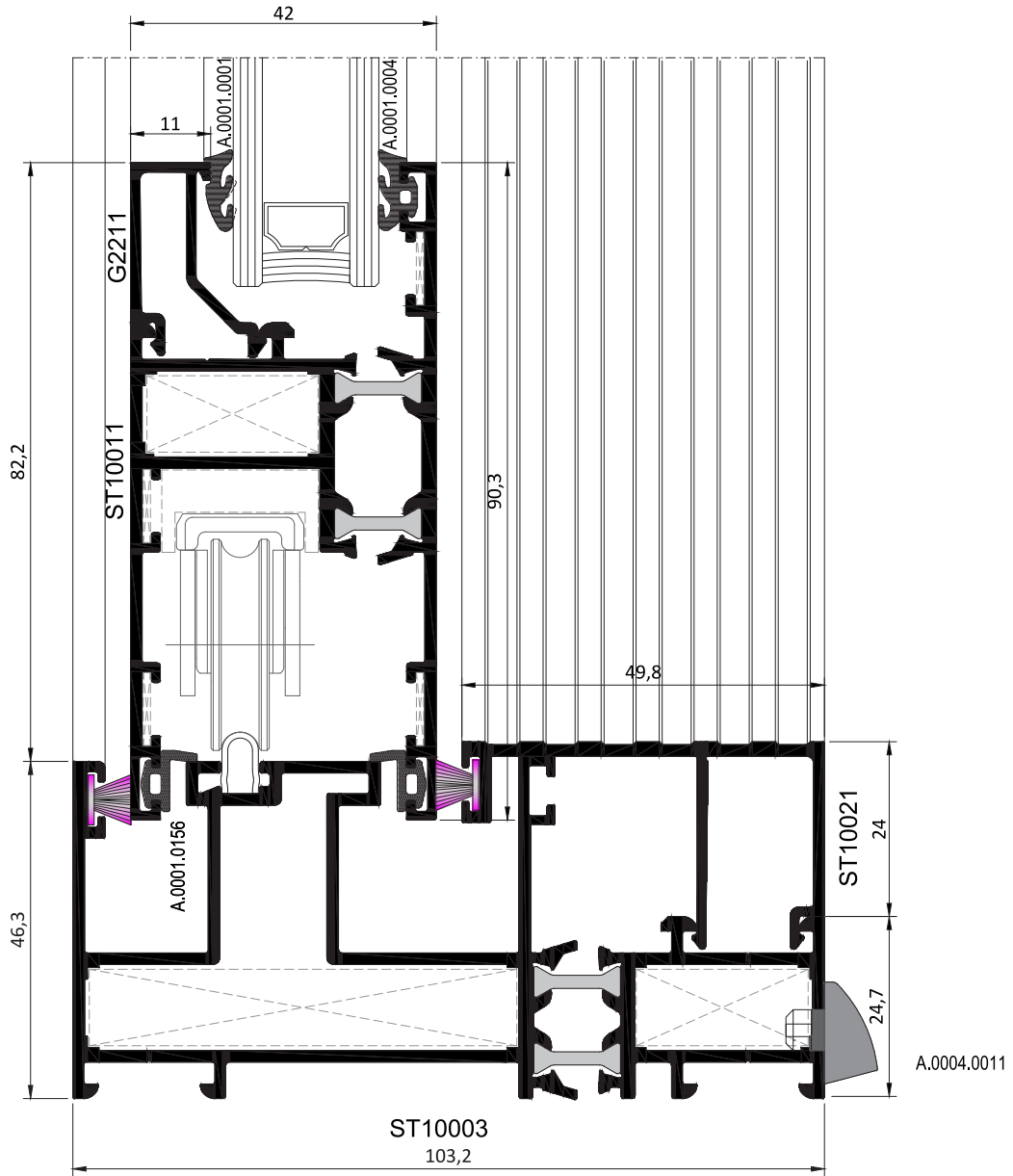
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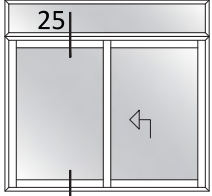
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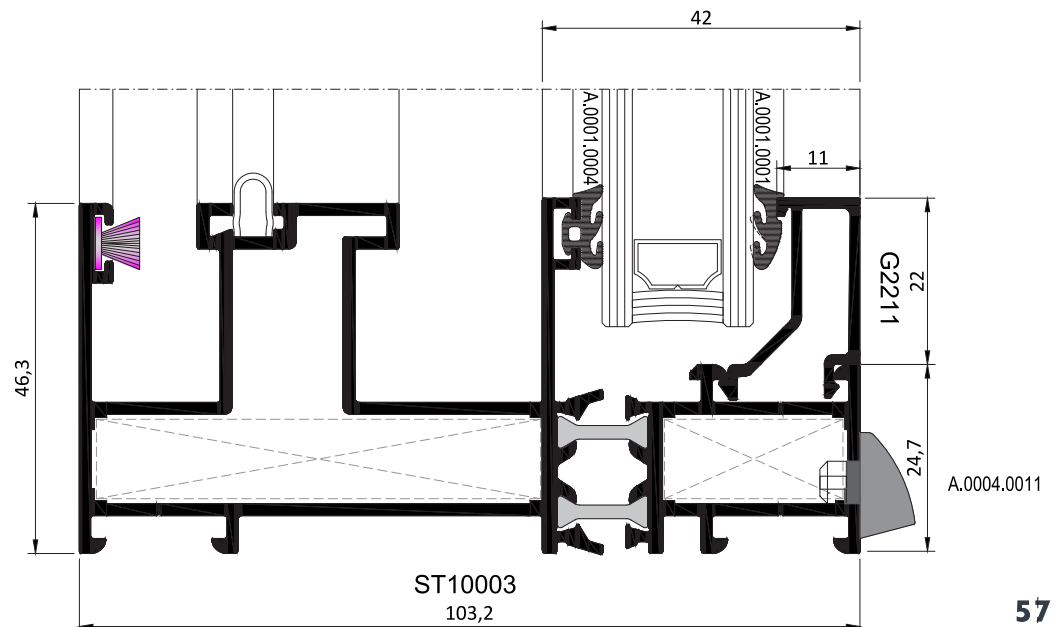
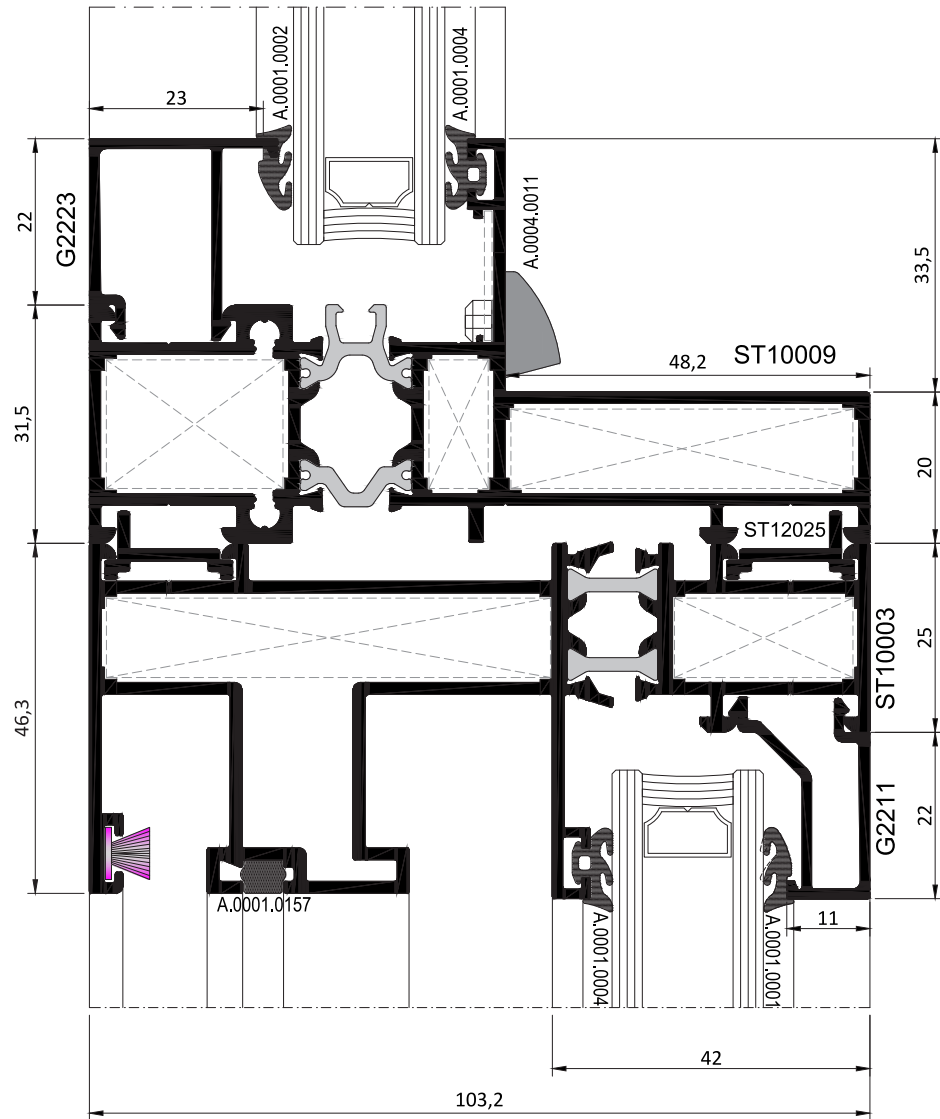
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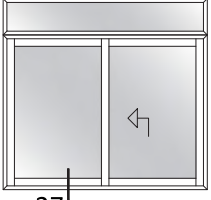
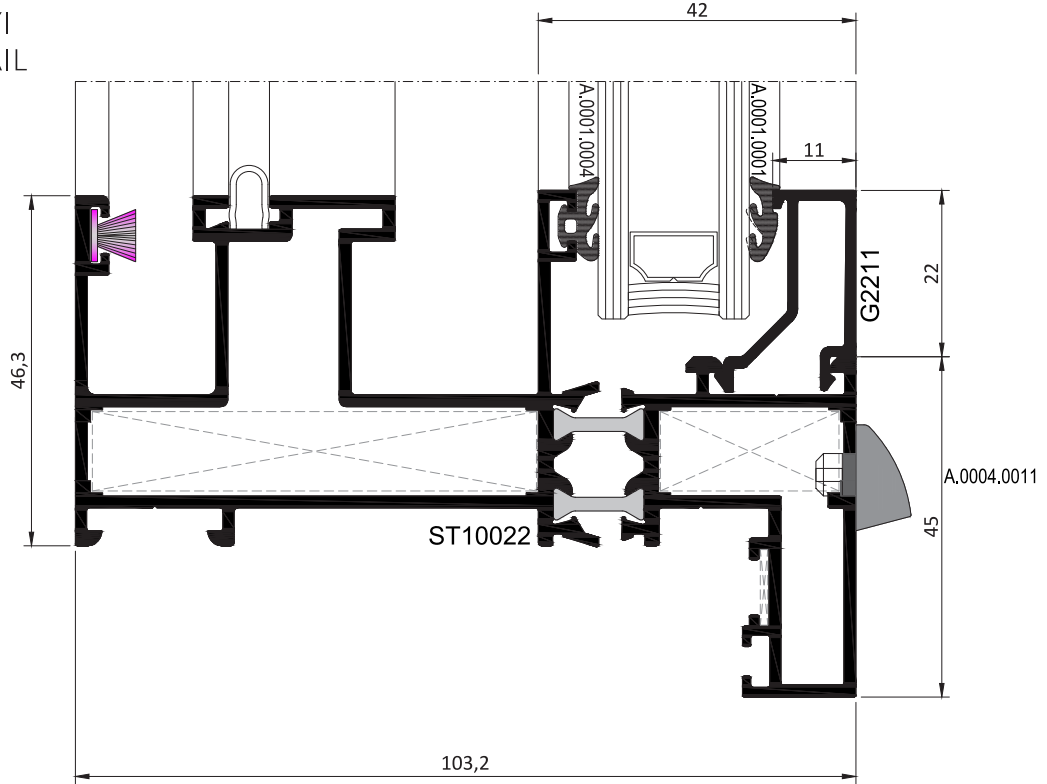
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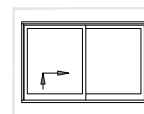
DETAYLAR / DETAILS

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SLIDING DETAIL

DETAYLAR / DETAILS

HS-PORTAL 200 LM

Hebe-Schiebe-Türbeschlag für Aluminium-Elemente
Beschlag-Information für Profilversteller



... mit den entscheidenden Vorteilen:

- mit integrierter Spaltlüftung
- problemlose Ausrüstung mit Profilzylinder
- einbruchhemmend durch 4 Verriegelungspunkte am Getriebe
- montagefixierte Laufwagen $\Rightarrow$ einfacher rationeller Anschlag
- leichtgängige Bedienung

Anwendungsbereich

Flügelbreite	(mm)	je nach Profilsystem max. 2485
Flügelhöhe (Schiebeflügel)	(mm)	je nach Profilsystem max. 2675
Rahmenaußenbreite	(mm)	bei Schema A max. 5000
Rahmenaußenhöhe	(mm)	je nach Profilsystem
Flügelgewicht	(kg)	max. 200
Dornmaß (Getriebe)	(mm)	27,5
Griffsitz (Fenster)	(mm)	von Oberkante Laufschiene 395
Griffsitz (Tür)	(mm)	von Oberkante Laufschiene 995

Inhaltsverzeichnis

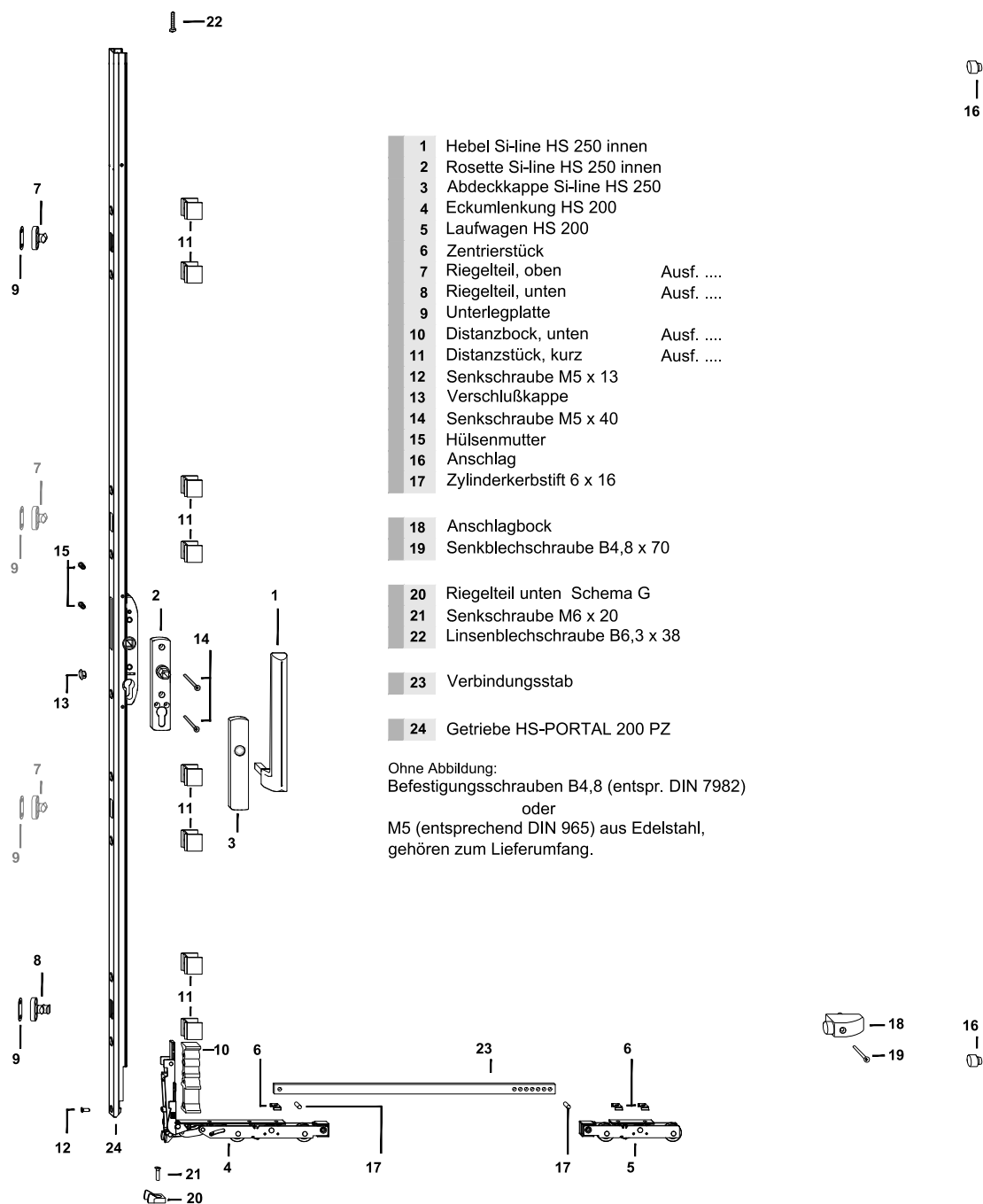
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Zubehör	Seite 5

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Beschlag-Information
HSde7019

DETAYLAR / DETAILS

HS-PORTAL 200 LM Beschlag-Information Beschlagteile



Flexibel durch optimierte Packeinheiten

- Karton Hebel Si-line HS 250 innen (1) und Abdeckkappe Si-line HS 250 (3)
in weiß RAL 9016 – silber – si-braun lieferbar
- Grundbeschlagteile (4 bis 17) im Karton HS-PORTAL 200 LM (je nach Profilsystem)
- Flügelbreitenabhängig Verbindungsstab Gr. 150 bis 335 (23)
- Flügelhöhenabhängig Getriebe HS-PORTAL 200 PZ Gr. 170, 220 und 260 (24)

FABRIKASYON DETAYLARI / FABRICATION DETAILS

HS-PORTAL 200 LM Beschlag-Information Beschlagliste

		Stück							Materialnummer		
Pos.		A	D	G	C	F	Materialkurztext		RAL9016 weiß	silber	Si-braun
allgemein benötigt		1	2	1	2	4	Karton Hebel Si-line HS 250 innen	A0156	267226	267219	267240
	1	1	2	1	2	4	Hebel Si-line HS 250 innen	A0156			
	2						Rosette Si-line HS 250 innen				
	3	1	2	1	2	4	Abdeckkappe Si-line HS 250				
		1	2	1	2	4	Karton HS-PORTAL 200 LM bestehend aus:	A....			
	4	1	2	1	2	4	Eckumlenkung HS 200	VSU HS TS	PEUB7010-100010		
	5	1	2	1	2	4	Laufwagen HS 200	HS TS	PLWB7010-100010		
	6	3	6	3	6	12	Zentrierstück		PLZB0010-096010		
		1	2	↘	11)	31)	Beutel Riegelteile HS-LM	A....			
	7	1	2	↘	11)	31)	Riegelteil, oben	A.... je nach Kammermaß	Siehe Seite 7		
	8	1	2	↘	11)	31)	Riegelteil, unten	A.... je nach Kammermaß	Siehe Seite 7		
	9						Unterlegplatte	1 mm / 2 mm je nach Kammermaß	Siehe Seite 7		
		1	2	1	2	4	Beutel Flügelteile HS-LM	A....			
	10	1	2	1	2	4	Distanzbock, unten	A.... je nach Profilsystem	Siehe Seite 7		
	11	8	16	8	16	32	Distanzstück, kurz	A....je nach Profilsystem	Siehe Seite 7		
	12	1	2	1	2	4	Senkschraube M5 x 13		800850		
	13	1	2	1	2	4	Verschlußkappe	grau	819708		
		1	2	1	2	4	Verschlußkappe	braun	819869		
	14	2	4	2	4	8	Senkschraube M5 x 40		801048		
	15	2	4	2	4	8	Hülsenmutter		800287		
	16	2	4	↘	4	↘	Anschlag		824412		
	17	1	2	1	2	4	Btl. Schrauben HS-LM	A...			
2		4	2	4	8	Zylinderkerbstift 6 x 16		823132			
						Schrauben	je nach Profilsystem				
	–	1	1	–	2	Beutel Anschlagbock bestehend aus:		821237	860649	831922	
18	–	1	1	–	2	Anschlagbock		800812	861004	855898	
19	–	1	1	–	2	Senkblechschraube B4,8 x 70		844090	844090	844090	
	–	–	1	1	1	Beutel Riegelteile HS bestehend aus:	Schema G	238691			
20	–	–	1	1	1	Riegelteil unten	Schema G	848272			
21	–	–	1	1	1	Senkschraube M6 x 20		848289			
22	–	–	1	1	1	Linsenblechschraube B6,3 x 38		848296			
abh. von FB											
	23	1	2	1	2	4	Verbindungsstab	Größe Länge (in mm) FB (in mm)			
							150 898 590 bis 1450		719282		
							200 1398 1451 bis 1950		719480		
							250 1898 1951 bis 2450		719497		
							335 2748 2451 bis 2485		719725		
abh. von FH											
	24	1	2	1	2	4	Getriebe HS-PORTAL 200 PZ	Größe Griffsitz (in mm) FH (in mm)			
							170 1190 bis 1790		PGKB0040-524010	PGKB0040-524010	PGKB0040-532010
							220 1791 bis 2290		PGKB0050-524010	PGKB0050-524010	PGKB0050-532010
							260 2291 bis 2690		PGKB0060-524010	PGKB0060-524010	PGKB0060-532010
Zubehör											
Zubehör	25	0..1	0..2	0..1	0..2	0..4	Schiebegriffmuschel Si-line	lang	880869	880838	885239
	26	0..1	0..2	0..1	0..2	0..4	Deckrosette Si-line außen	lang	–	881569	–
	27	0..1	0..2	0..1	0..2	0..4	Hebel Si-line HS 250, abnehmbar	nur in Verbindung mit Deckrosette innen	8917352)	–	–
	28	0..1	0..2	0..1	0..2	0..4	Deckrosette Si-line innen	nur in Verbindung mit Hebel, abnehmbar	–	881613	–

1) Tatsächlicher Bedarf; Lieferumfang umfaßt weitere Teile.

2) Bauteilfarbe RAL 9003 weiß

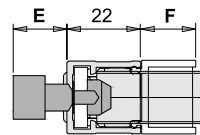
FABRİKASYON DETAYLARI / FABRICATION DETAILS

HS-PORTAL 200 LM Beschlag-Information profilabhängige Beschlagabmessungen

Distanzböcke (10) und Distanzstücke, kurz (11)

	Maß F (mm)	Ausführung	Distanzbock Materialnummer	Distanzstück, kurz Materialnummer
10 	16	A0001	862711	PDZB0040-096010
	18	A0020	634.2341.5021.A0	PDZB0050-096010
	20	A0029	856000	PDZB0060-096010
	23	A0007	855997	PDZB0070-096010
	25	A0004	856161	PDZB0080-096010
	27	A0008	863282	PDZB0100-096010
11 	30	A0006	857465	PDZB0110-096010
	31	A0018	897577	PDZB0120-096010
	32	A0015	849200	PDZB0130-096010
	35	A0002	859049	PDZB0140-096010

Schnitt A-B



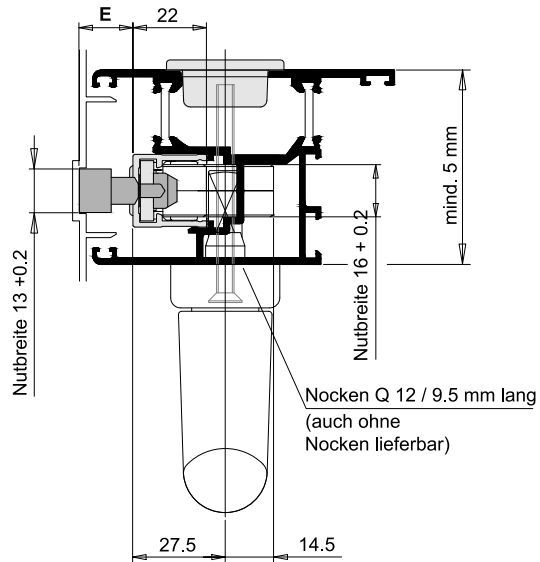
Riegelteile (7 und 8)

	Maß E1 (mm)	Ausführung	Riegelteil, oben Materialnummer	Riegelteil, unten Materialnummer
7 	4	A0012	719398	719404
	7	A0020	719305	719312
	8	A0001	719190	634.2834.5004X60
	8,5	A0005	719206	719220
	9	A0006	719213	719237
8 	14	A0009	719329	719343
	16	A0013	719244	719268
	19,5	A0002	722220	719299
	20	A0004	719251	722534

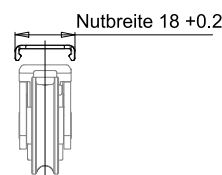
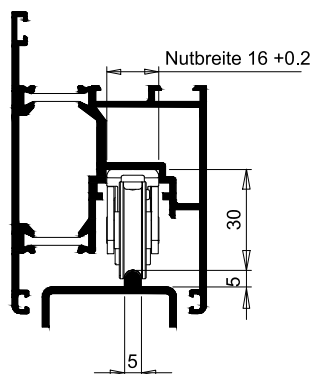
1) Zwischenmaße mit Unterlegplatten
1 mm und 2 mm dick möglich

Unterlegplatte (9) für Riegelteile

		Materialnummer
9 	1 mm	721285
	2 mm	721292



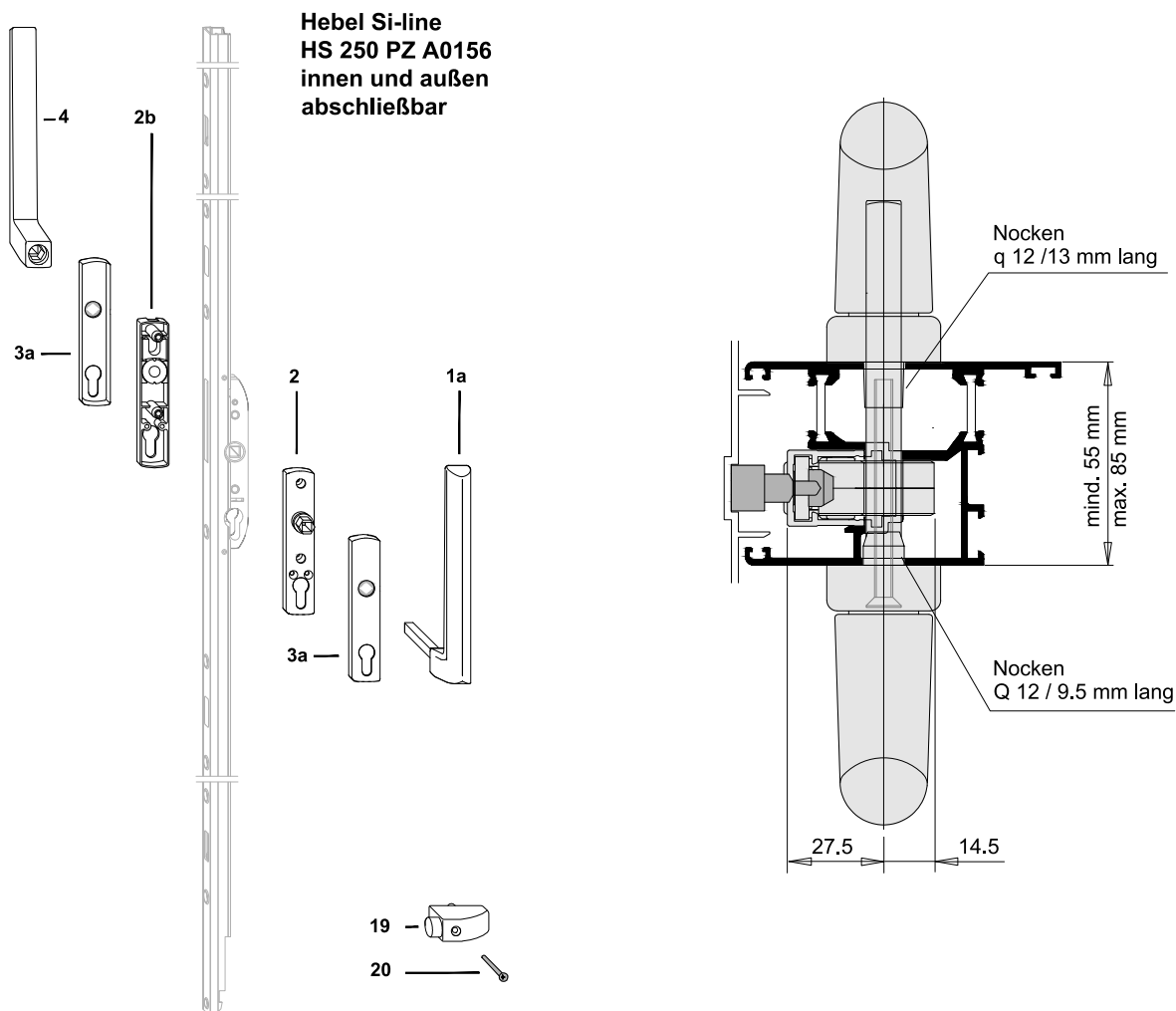
Schnitt C-D



Zentrierstück $\emptyset$ für
Nutbreite 18 mm

FABRİKASYON DETAYLARI / FABRICATION DETAILS

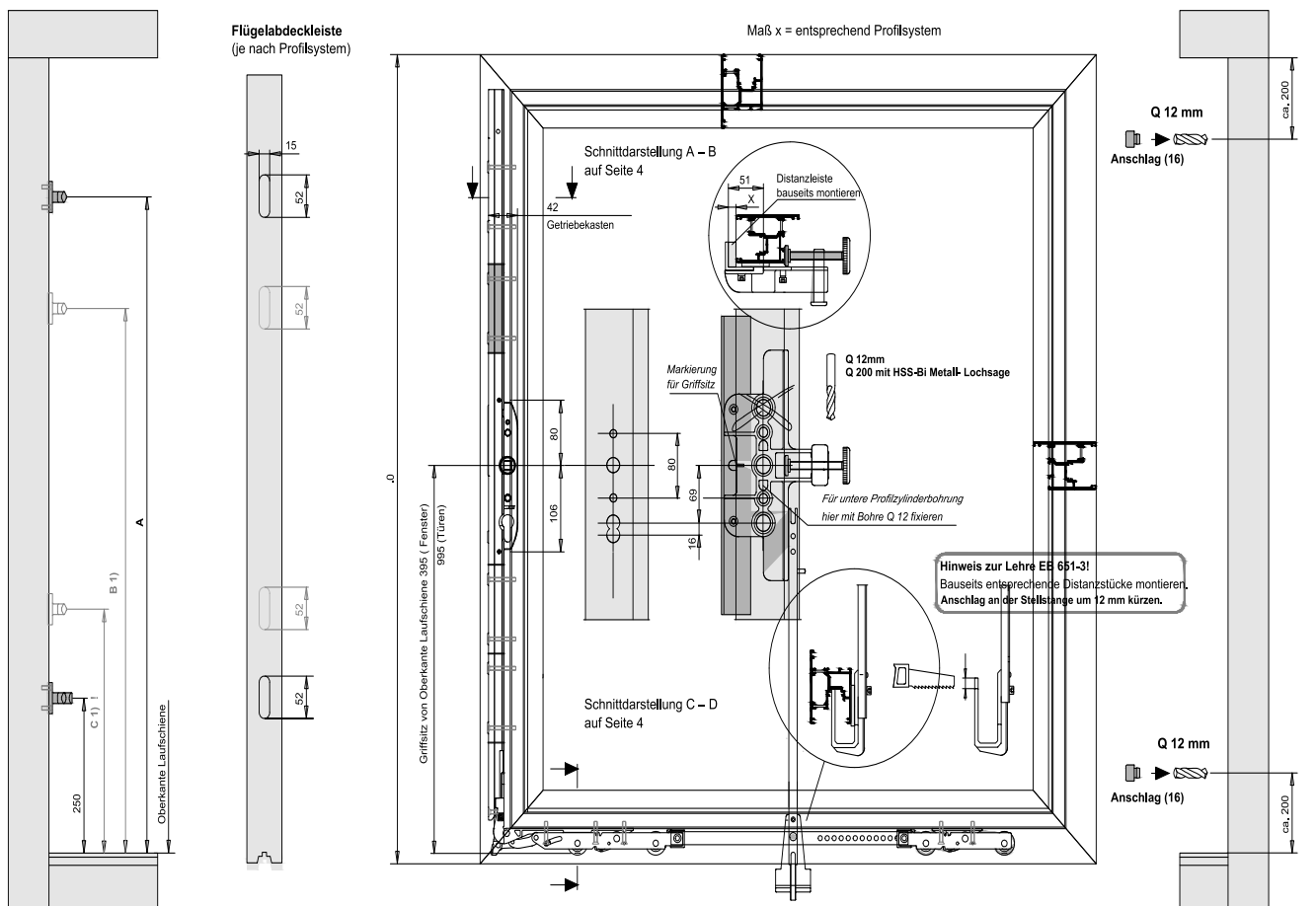
HS-PORTAL 200 LM Beschlag-InformationZubehör



	Pos.	Stück bei Schema					Materialkurztext	Materialnummer		
		A	D	G	C	F		RAL9016 weiß	silber	si-braun
	1a 2 3a	1	2	–	1..2 3..4	Hebel Si-line HS 250-PZ innen (nur in Verbindung mit Hebel Si-line HS 250-PZ außen) bestehend aus:	A0156 i. u. a. abschließbar	272725	267264	267271
		1	2	–	1..2 3..4	Hebel Si-line HS 250 PZ innen	A0156			
		2	1	2	–	Rosette Si-line innen				
		3a	2	2	–	Abdeckkappe Si-line HS 250		884898	876602	876633
	4 2b 3a	1	2	–	1..2 3..4	Hebel Si-line HS 250-PZ außen (nur in Verbindung mit Hebel Si-line HS 250-PZ innen) bestehend aus:	A0156 i. u. a. abschließbar	272749	272732	272756
		1	2	–	1..2 3..4	Hebel Si-line HS 250 PZ außen	A0156			
		2b	1	2	–	Rosette Si-line außen				
		3a	2	2	–	Abdeckkappe Si-line HS 250		884898	876602	876633
	19	1	2	–	1..2 3..4	Btl. Anschlagbock		821237	860649	821244
	20	1	2	–	1..2 3..4	Anschlagbock				
					Senkblechschraube B4,8 x 70					

FABRİKASYON DETAYLARI / FABRICATION DETAILS

HS-PORTAL 200 LM



Getriebe	Maß A	Maß B1)	Maß C1)	Flügelhöhe2)
Gr. 170	1000	600	—	1175 - 1775
Gr. 220	1600	1200	750	1776 - 2275
Gr. 260	1900	1200	750	2276 - 2675

- 1) Auf Wunsch können 2 Stück Riegelteil, oben (7) als zusätzlicher Mittelverschluss eingesetzt werden.
Dazu die vorgesehenen Verriegelungsstellen am Getriebe HS-PORTAL 200 FZ (24) öffnen.
- 2) Je nach Profilsystem geringe Abweichungen möglich

FABRİKASYON DETAYLARI / FABRICATION DETAILS

HS-PORTAL 200 LM

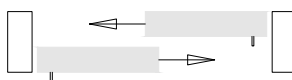
Ausführungsvarianten

DIN links oder DIN rechts

Schema A



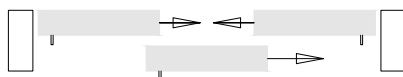
Schema D



Schema G



Schema H



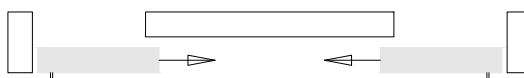
Schema C



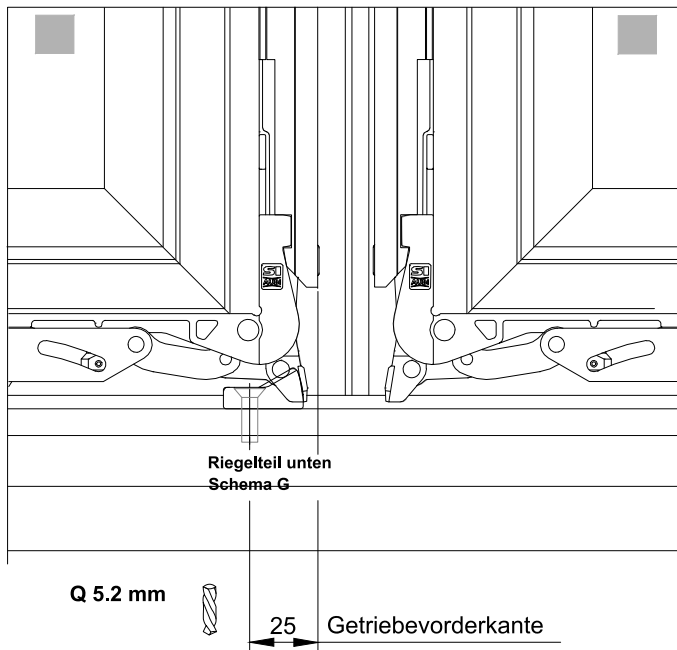
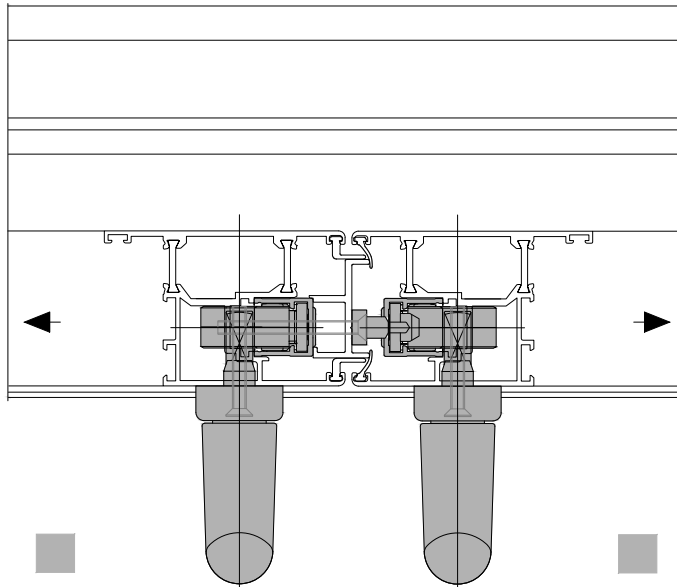
Schema F



Schema K



FABRİKASYON DETAYLARI / FABRICATION DETAILS



Hinweise zu Elementen Schema C:

- Die Riegelteilsitze liegen 4 mm niedriger
⇒ Maße A bis C auf Seite 14 jeweils minus 4 mm
- Linsenblechschraube B6,3 x 38 (22)
~ 50 mm von Flügelvorderkante
(über dem Zweitflügel) am Rahmen
einschrauben [siehe auch Seite 9]
- Erst- und Zweitflügel müssen zur
Vermeidung von Fehlbedienungen
entsprechend gekennzeichnet werden.

Die Schiebeflügel dürfen nur in der unten
angegebenen Reihenfolge bedient werden!

Öffnen: zuerst Erstflügel [1.],
dann Zweitflügel [2.]

Schließen: zuerst Zweitflügel [2.],
dann Erstflügel [1.]

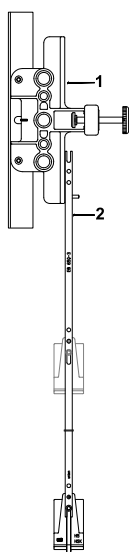
Einbau Riegelteil, unten Schema G

- Maß 25 mm von Getriebevorderkante
auf Laufschiene übertragen und für
Senkschraube M6 x 20 (21) ankörnen.
- Bohrung mit Bohrer Ø 5,2 mm vornehmen
- Riegelteil, unten Schema G (20) anschrauben.

FABRİKASYON DETAYLARI / FABRICATION DETAILS

HS-PORTAL 200 LM

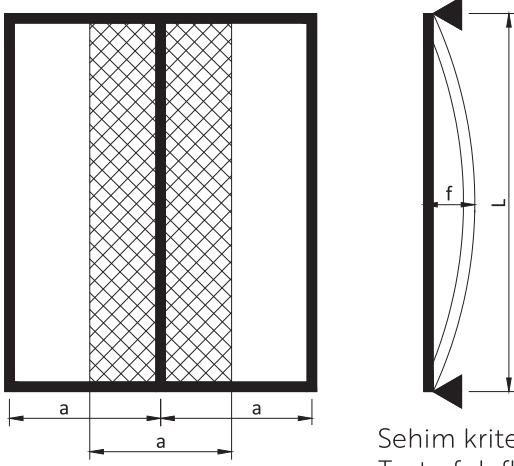
Anschlaghilfen



Materialkurztext		Werkzeug	Materialnummer
Bohrlehre EB 651-3 bestehend aus: für Getriebebohrungen			
Pos. 1	Bohrlehre EB 651-3* Lehre hat Dornaß 51; Durch bauseitiges Distanzstück auf profilbezogenes Dornmaß abstimmen	Bohrer: Ø 12 mm Ø 20 mm	PABB0010-521010
Pos. 2	Stellstange (inkl. unterem Anschlag) für EB 650-3 und EB 651-3 unteren Anschlag um 12 mm kürzen! Siehe Seite 5 u. 6		157244
Körner KF zum Ankörnen der Schraublöcher für die Riegelteile			141892

STATİK DEĞERLER / STATICS VALUES

SÜRME SİSTEM STATİK ANALİZİ / SLIDING SYSTEM STATIC ANALYSIS



Düzgün yayılı yük durumuna göre atalet momenti formülü

Moment of inertia formula according to uniformly distributed load

$$I_x = \frac{5qL^4}{384E}$$

Ix: Gerekli profil atalet değeri cm⁴ / Profile inertia valueq: Rüzgar yükü kg/m² / Wind load

a: Kanat genişliği cm / Vent width

L: Kanat yüksekliği cm / Vent height

E: Alüminyum elastisite modülü kg/cm² /

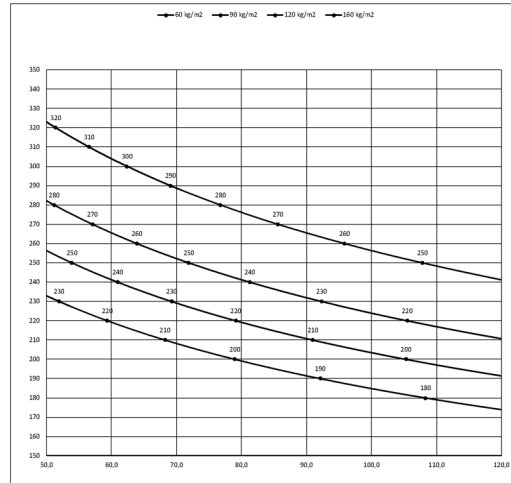
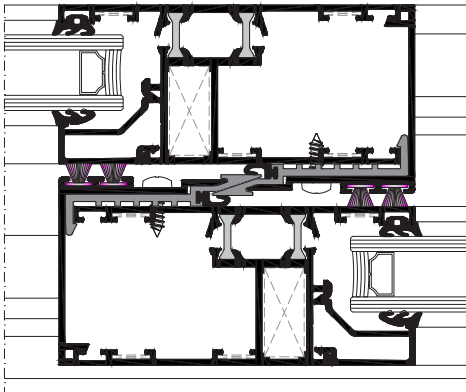
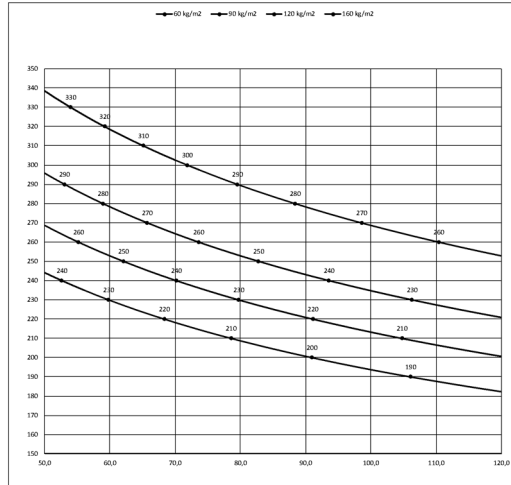
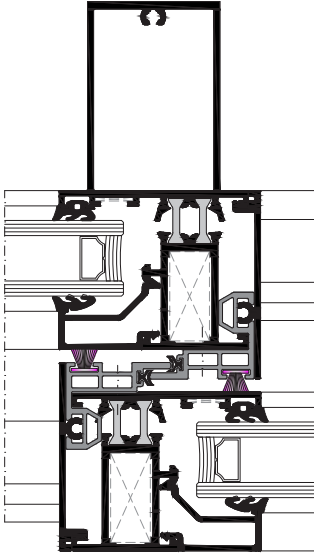
Aluminum young's modul's

f: Gerekli sehim cm / Deflection

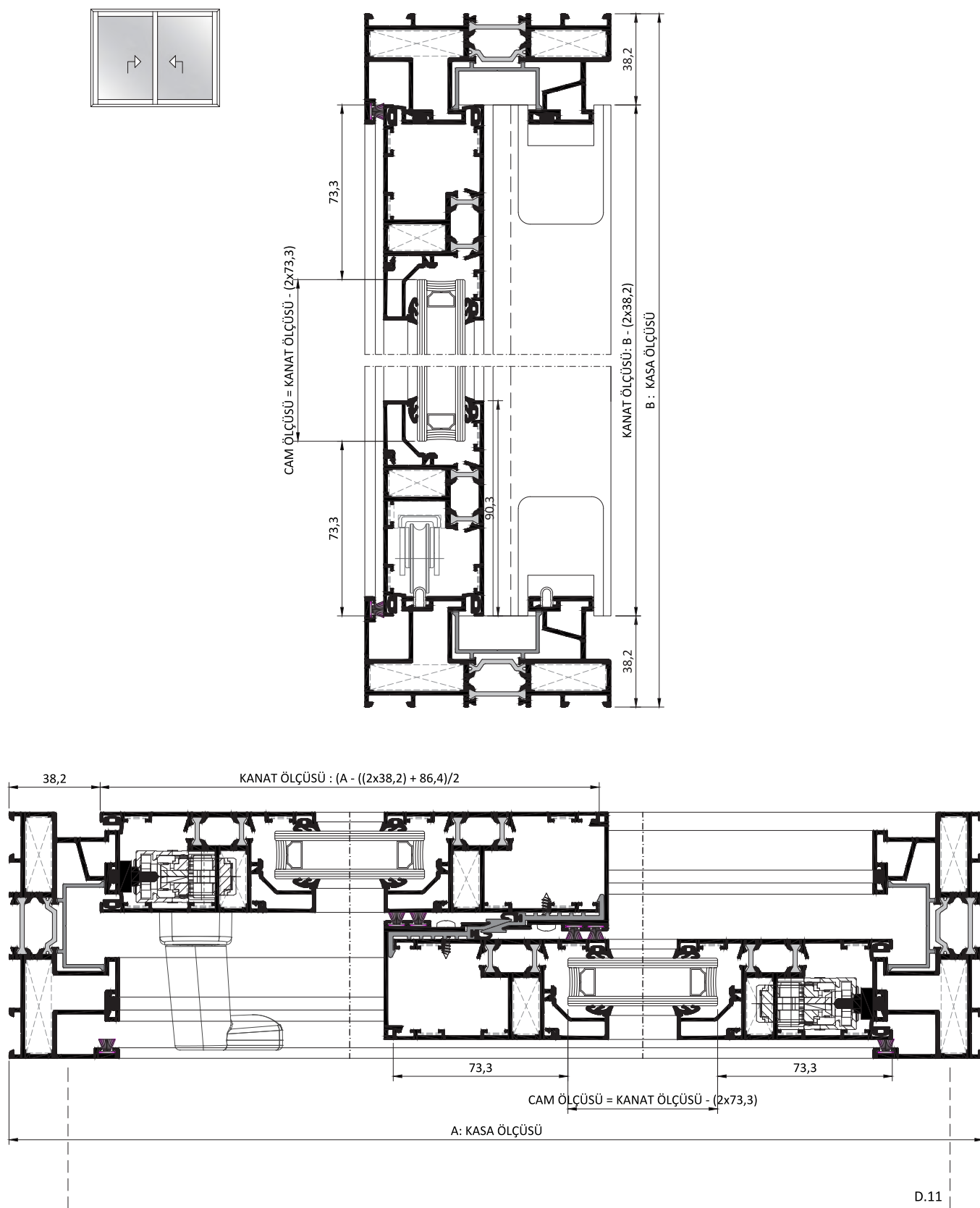
Alüminyum Elastisite Modülü: 700.000 kg/cm²Aluminum Young's Modulus: 700.000 kg/cm²

Sehim kriteri L/200'e göre hesaplanmıştır.

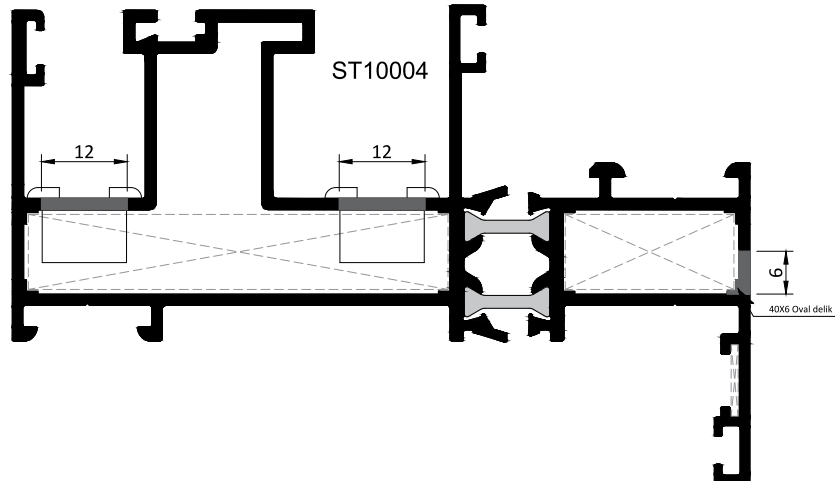
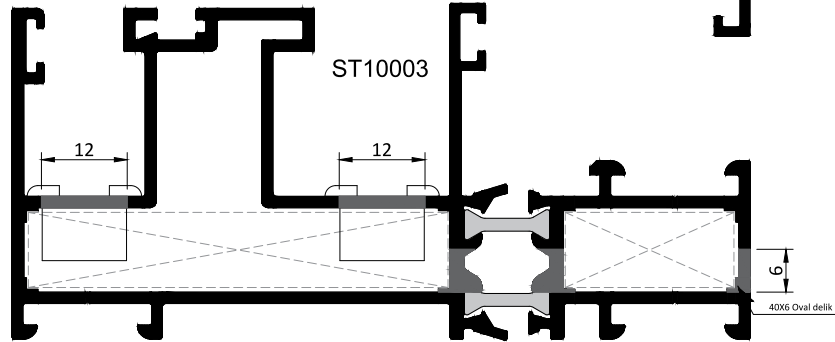
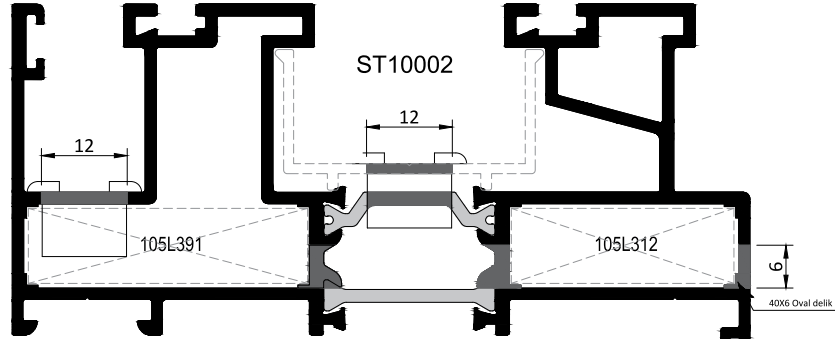
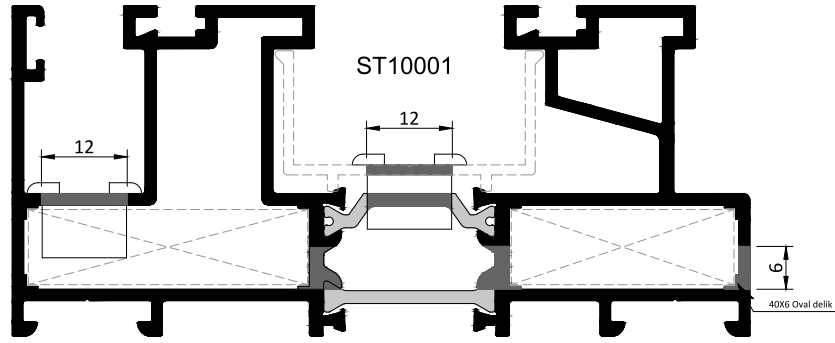
Test of deflection has calculated based L/200



FABRİKASYON DETAYLARI / FABRICATION DETAILS



FABRİKASYON DETAYLARI / FABRICATION DETAILS

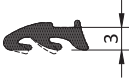
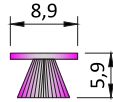
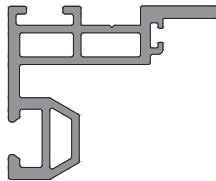




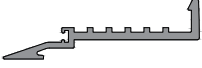
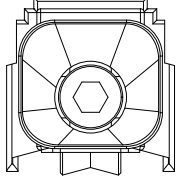
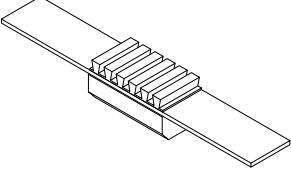
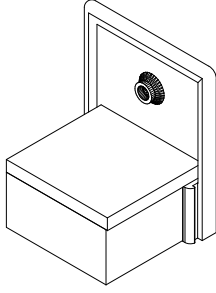
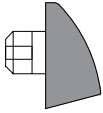
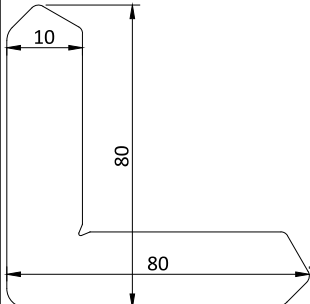
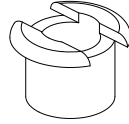
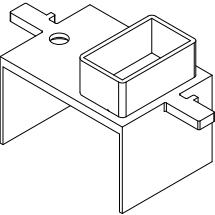
AKSESUARLAR

ACCESSORIES

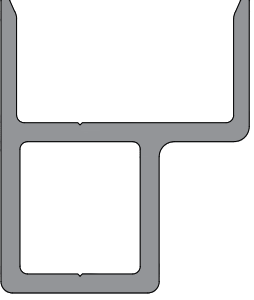
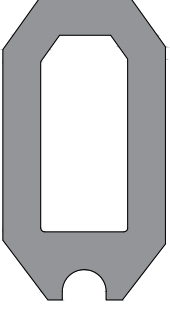
AKSESUARLAR / ACCESSORIES

	A.0001.0001 3 MM CAM FİTİLİ 3 MM GLAZING GASKET Malzeme /Material : EPDM Ağırlık /Weight : 32 gr/m Paket /Package : 375 m/ 12 kg		A.0001.0105 KENET FİTİL CONNECTION GASKET Malzeme /Material : EPDM Ağırlık /Weight : 9 gr/m Paket /Package : 1.330 m/ 12 kg
	A.0001.0002 4 MM CAM FİTİLİ 4 MM GLAZING GASKET Malzeme /Material : EPDM Ağırlık /Weight : 43 gr/m Paket /Package : 279 m/ 12 kg		A.0001.0142 KENET FİTİL CONNECTION GASKET Malzeme /Material : EPDM Ağırlık /Weight : 23 gr/m Paket /Package : 521 m/ 12 kg
	A.0001.0004 BİNİ FİTİLİ ACOUSTICAL GASKET Malzeme /Material : EPDM Ağırlık /Weight : 39 gr/m Paket /Package : 307 m/ 12 kg		A.0013.0003 KİL FİTİL BRUSH SEAL
	A.0001.0156 BASKI FİTİL PRESSURE GASKET Malzeme /Material : EPDM Ağırlık /Weight : 30 gr/m Paket /Package : 400m/ 12 kg		A.0003.0047 PVC U İZOLATÖR PVC U INSULATOR
	A.0001.0157 RAY FİTİLİ RAIL GASKET Malzeme /Material : EPDM Ağırlık /Weight : 30 gr/m Paket /Package : 400m/ 12 kg		A.0003.0022 PVC KENET PROFİLİ PVC CONNECTION PROFILE

AKSESUARLAR / ACCESSORIES

	A.0003.0046 KENET PVC İZOLATÖR CONNECTION PVC INSULATOR		A.0012.0006 ÇİFTLİ RULMAN PULLEY WITH DOUBLE WHEELS
	A.0004.0061 PVC ALT VE ÜST SIZDIRMAZLIK PARÇASI PVC BOTTOM&TOP SEALING PART		A.0004.0063 PVC ALT VE ÜST RAY KAPAĞI PVC BOTTOM&TOP RAIL COVER
	A.0004.0011 PVC TAHLİYE KAPAĞI PVC DRAINAGE COVER		A.0024.0003 ÇELİK RAY STEEL RAIL
	A.0015.0015 PASLANMAZ KÖŞE ÇAVUŞU STAINLESS STEEL CORNER PIECE		A.0004.0039 SU TAHLİYESİ WATER DRAINAGE
	A.0004.0062 ADAPTÖR KAPAĞI ADAPTER CAP		A.0004.0068 PVC ADAPTÖR (300MM) PVC ADAPTER (300MM)

AKSESUARLAR / ACCESSORIES

	A.0003.0044 PVC TAŞIYICI TAKOZ PVC TAŞIYICI TAKOZ		
	A.0003.0045 PVC TAŞIYICI TAKOZ PVC SUPPORT PIECE		

