

KAYA Alüminyum

kayaaluminum.com.tr/

2025

LS-5500 KALDIR SÜR SİSTEMLERİ
LS-5500 Hebeschiebe Slide Systems

HAKKIMIZDA

About Us

1990 yılında ÇENGEL ALÜMİNYUM" ismiyle Batı Karadeniz Bölgesinde alüminyum doğrama profili ve aksesuarı satışı alanında hizmet vermek amacıyla kurulan firmamız, sektörün hızlı değişen ve sürekli gelişen yapısına entegre şekilde, paydaşlarının taleplerine eksiksiz cevap verebilmek adına ürün yelpazesini ve hizmet alanlarını yıllar içerisinde geliştirmiştir.

Bu doğrultuda öncelikle daha fazla paydaşa ulaşabilmek ve hizmet verebilmek adına 2016 yılında Bolu Şubesini faaliyete sokmuştur.

2018 yılında "CNC Ebatlama ve Derz" atölyesini hizmete sokarak Alüminyum Kompozit Panel satışının yanısıra kompozitleri paydaşlarına montaja hazır halde sunmaya başlamıştır.

2019 yılında* Statik Toz Boyama Tesisi ile de paydaşlarının taleplerine daha hızlı ve eksiksiz cevap vermeye başlamıştır.

2020 yılına 2000 m2 lik kapalı depolama alanında başlayan firmamız, ortalama 140 ton alüminyum profil stoğu ve geniş aksesuar seçenekleri ile sektörün tüm ihtiyaçlarına cevap verebilmektedir.

35 yıllık tecrübesini; dürüstlük, güler yüzlü hizmet ve müşteri memnuniyeti ilkeleri ile birleştiren firmamız bölgesinde sektörün "lideri" olmaya devam edecektir.

Our company was established in 1990 under name of" ÇENGEL ALÜMİNYUM with aim of selling aluminium profiles and auxiliary materials in DUZCE we have been followed changes and developments to supply our partners all needs.

According these conditions we put into operation "BOLU BRANCH" in 2016.

In 2018 our "Aluminium Composite Panel" sizing operations has been started with 2100x7000 mm CNC sizing machine.

In this way, we have supply the composite panels "Ready to INSTALLATION".

In 2020, Our Powder Coating Department has been activated.

In 2020, we have continued our operations at 1500 m2 storage and operation area with more various products and more fast supply.

We will be the leader of sector in our region with our 30 year experience, honesty and principle of customer happiness.

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LS-5500 Kaldır Sür Sistemleri

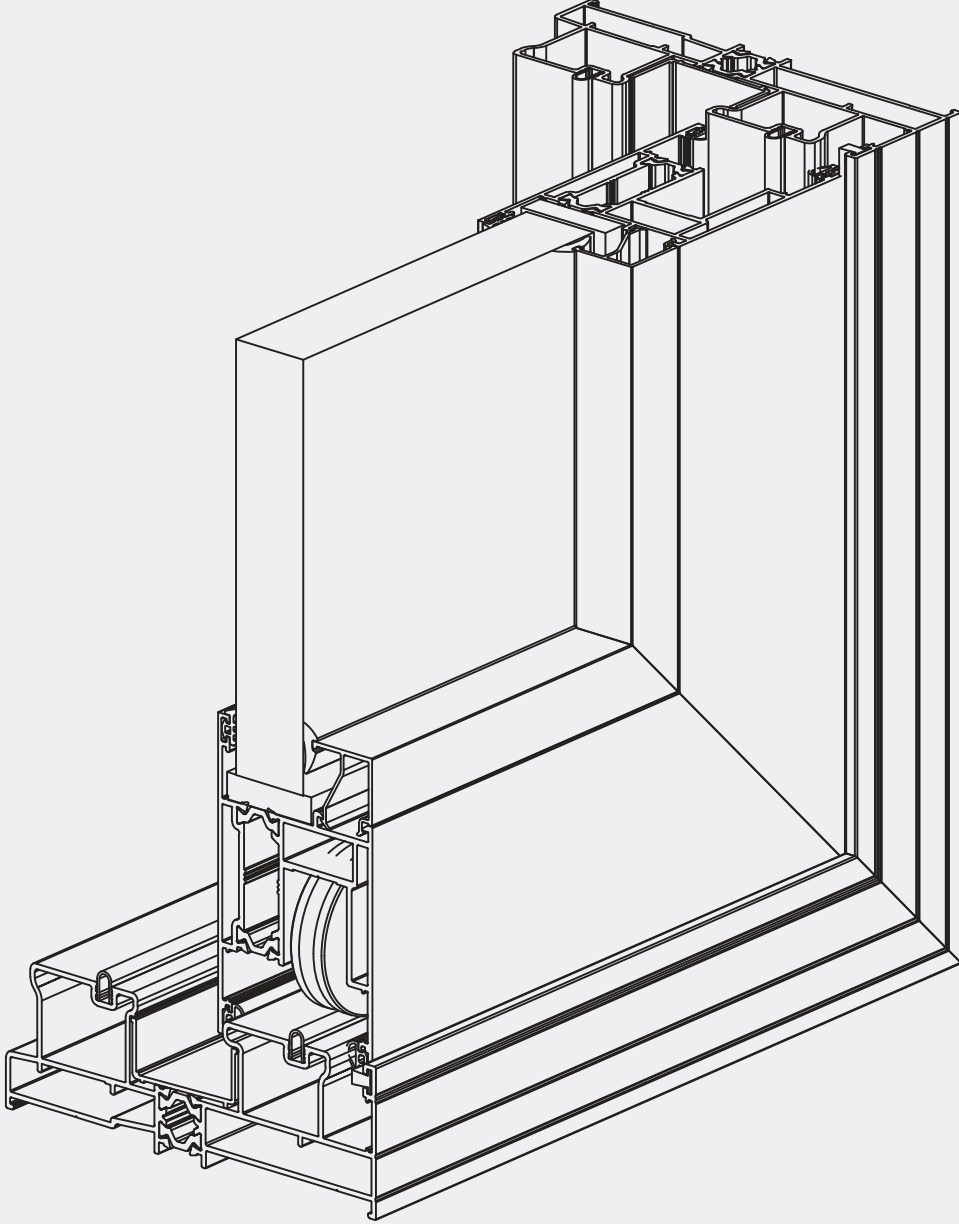
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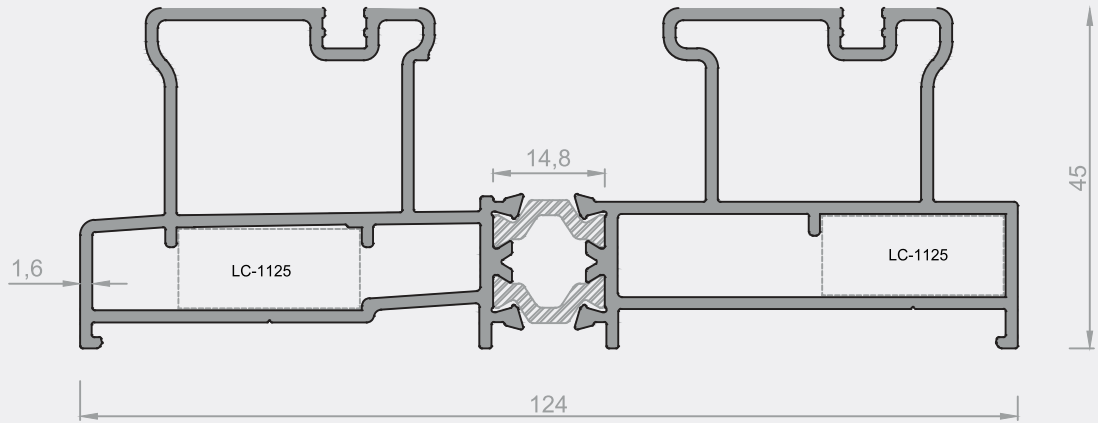
LS-5500 KALDIR SÜR SİSTEMLERİ

LS-5500 Hebeschiebe Slide Systems

LS-5500 KALDIR SÜR SİSTEMLERİ

LS-5500 Hebeschiebe Slide Systems

KAYA Alüminyum

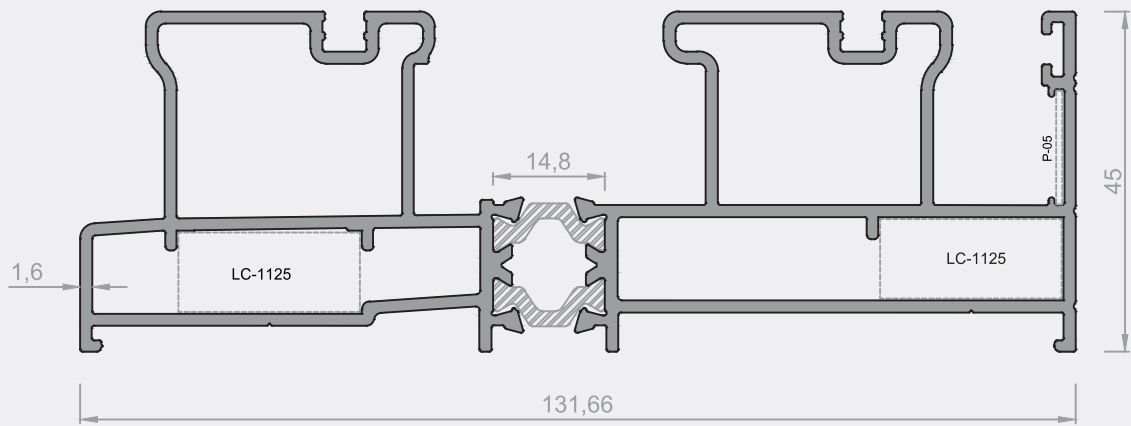


Sistem Kodu : LS55-108

Ağırlık (kg/mt): 2,410

Statik J_x (cm⁴): 17,15

Statik J_y (cm⁴): 115,70

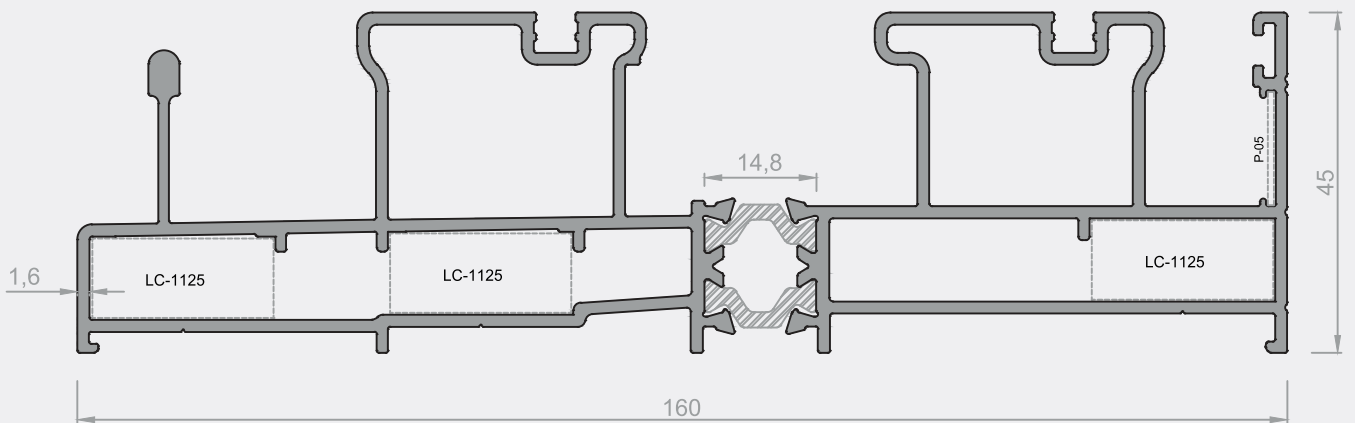


Sistem Kodu : LS55-100

Ağırlık (kg/mt): 2,620

Statik J_x (cm⁴): 18,48

Statik J_y (cm⁴): 150,43



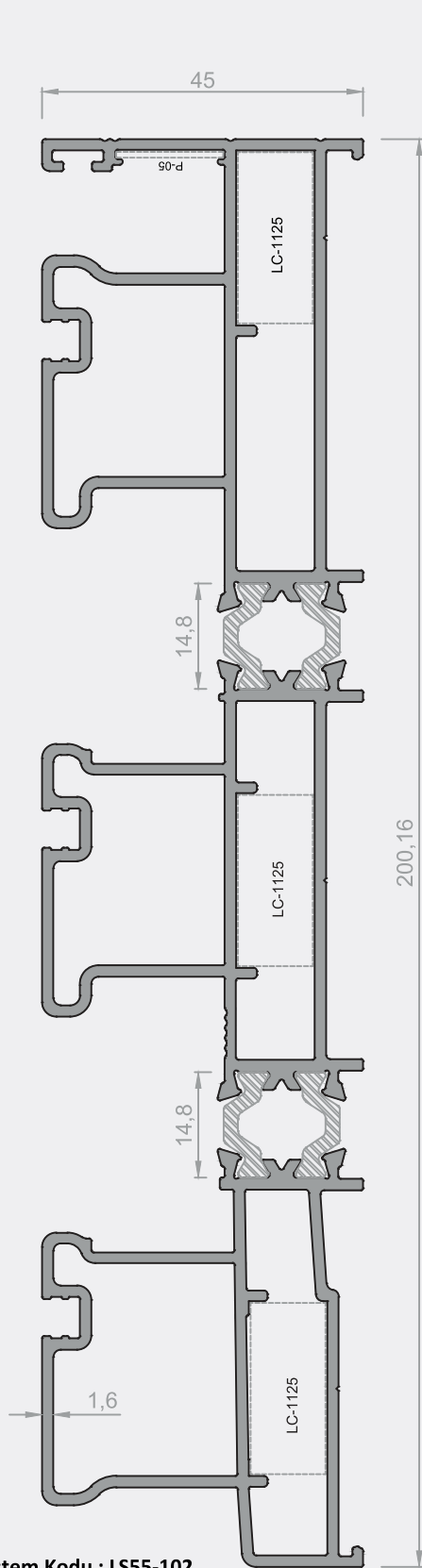
Sistem Kodu : LS55-101

Ağırlık (kg/mt): 3,016

Statik J_x (cm⁴): 20,58

Statik J_y (cm⁴): 245,82

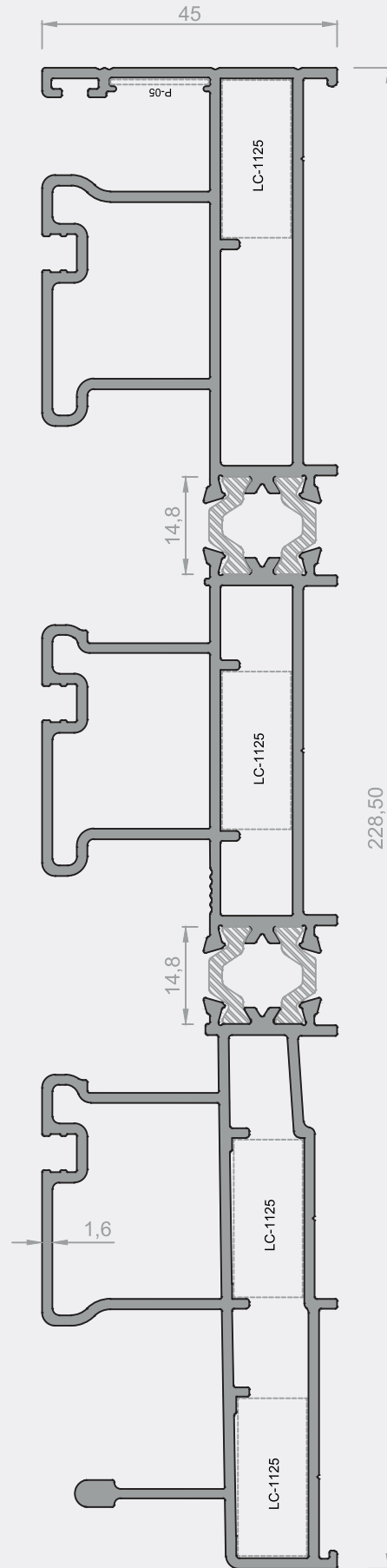
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.



Sistem Kodu : LS55-102

Ağırlık (kg/mt): 3,955

Statik
Jx (cm⁴): 27,21
Jy (cm⁴): 496,51



Sistem Kodu : LS55-103

Ağırlık (kg/mt): 4,220

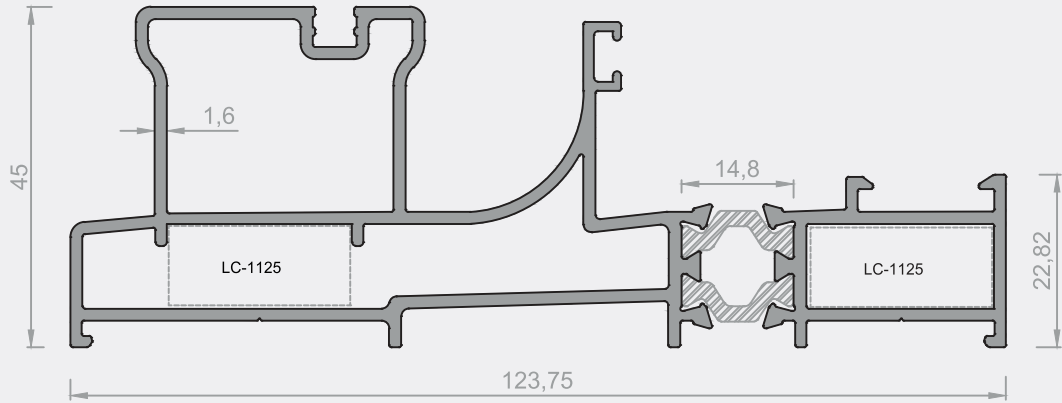
Statik
Jx (cm⁴): 29,36
Jy (cm⁴): 690,01

NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

LS-5500 KALDIR SÜR SİSTEMLERİ

LS-5500 Hebeschiebe Slide Systems

KAYA Alüminyum

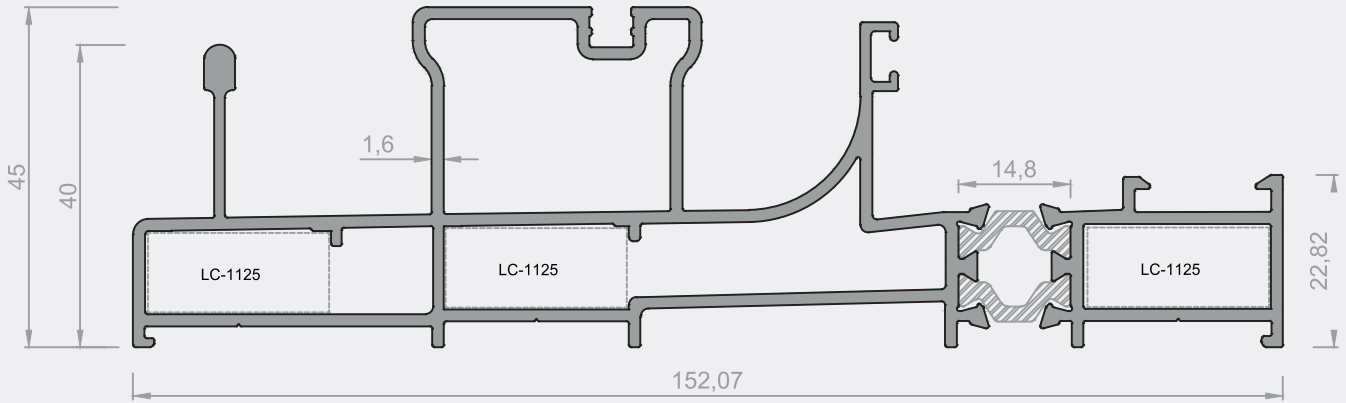


Sistem Kodu : LS55-104

Ağırlık (kg/mt): 2,156

Statik Jx (cm⁴): 11,60

Statik Jy (cm⁴): 98,80

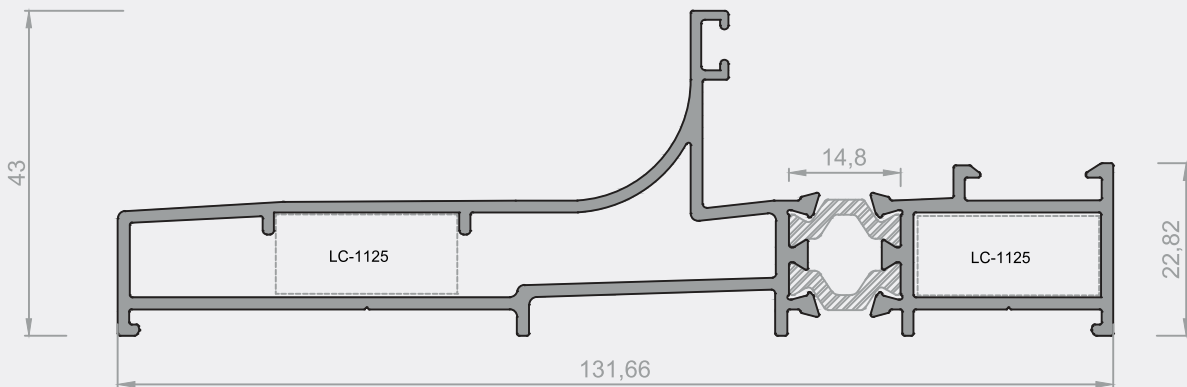


Sistem Kodu : LS55-105

Ağırlık (kg/mt): 2,583

Statik Jx (cm⁴): 14,43

Statik Jy (cm⁴): 172,62



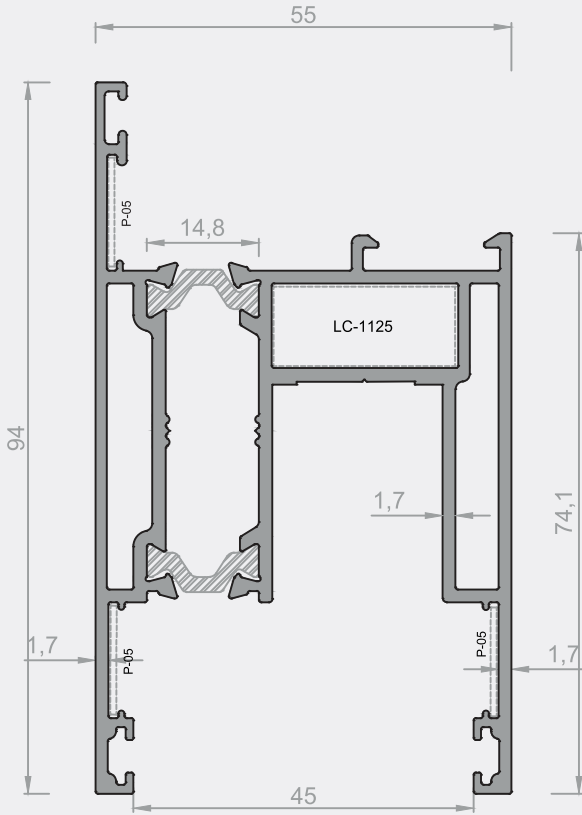
Sistem Kodu : LS55-109

Ağırlık (kg/mt): 1,793

Statik Jx (cm⁴): 4,62

Statik Jy (cm⁴): 92,40

NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

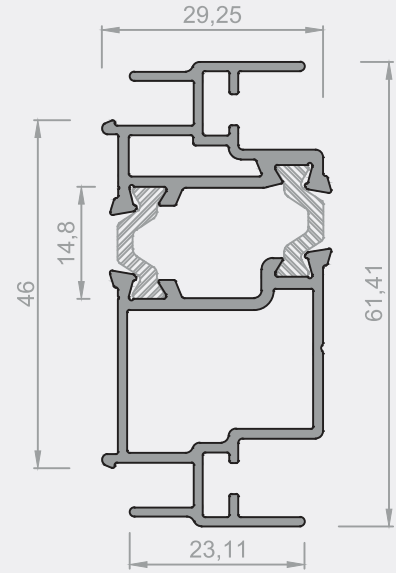


Sistem Kodu : LS55-106

Ağırlık (kg/mt): 2,090

Statik Jx (cm⁴): 36,15

Statik Jy (cm⁴): 29,80

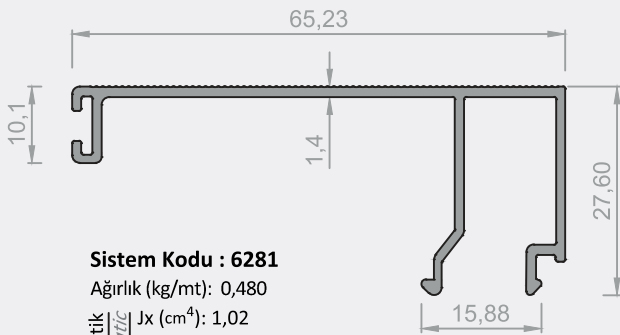


Sistem Kodu : LS55-107

Ağırlık (kg/mt): 1,096

Statik Jx (cm⁴): 12,34

Statik Jy (cm⁴): 2,80

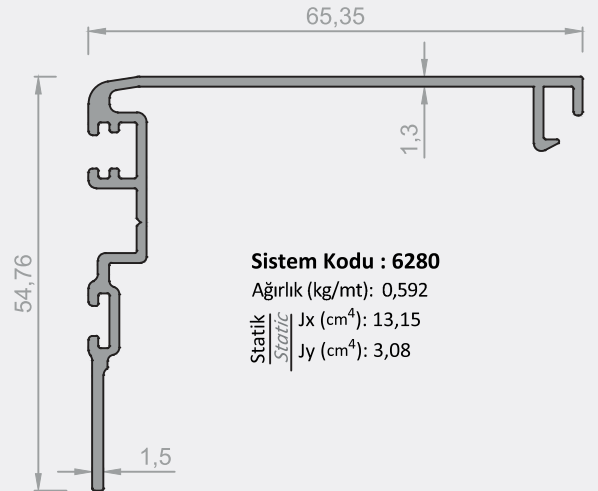


Sistem Kodu : 6281

Ağırlık (kg/mt): 0,480

Statik Jx (cm⁴): 1,02

Statik Jy (cm⁴): 8,85



Sistem Kodu : 6280

Ağırlık (kg/mt): 0,592

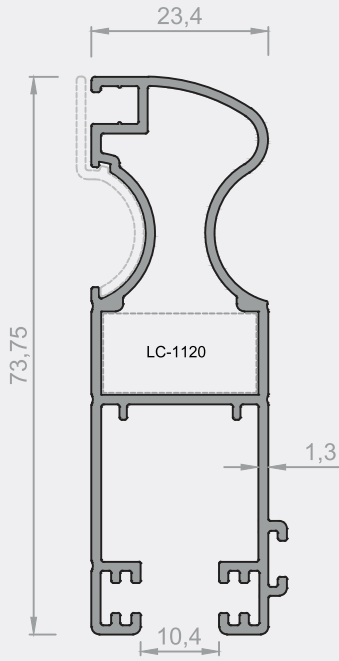
Statik Jx (cm⁴): 13,15

Statik Jy (cm⁴): 3,08

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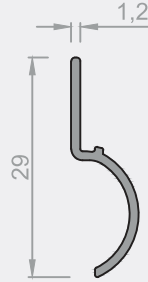
KAYA Alüminyum



Sistem Kodu : 6260

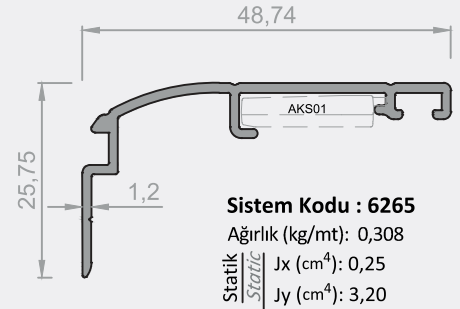
Ağırlık (kg/mt): 0,860

Statik
Jx (cm⁴): 17,10
Jy (cm⁴): 2,52



Sistem Kodu : 6261

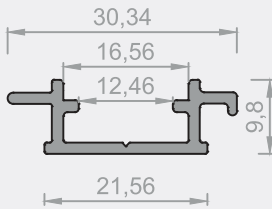
Ağırlık (kg/mt): 0,115



Sistem Kodu : 6265

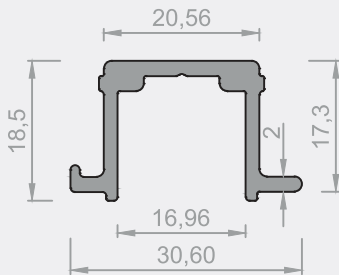
Ağırlık (kg/mt): 0,308

Statik
Jx (cm⁴): 0,25
Jy (cm⁴): 3,20



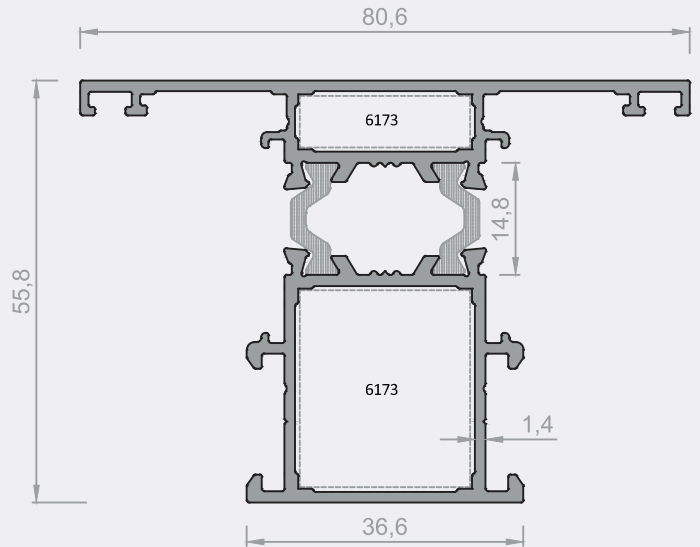
Sistem Kodu : 6282

Ağırlık (kg/mt): 0,220



Sistem Kodu : 6283

Ağırlık (kg/mt): 0,372



Sistem Kodu : ALC56-302

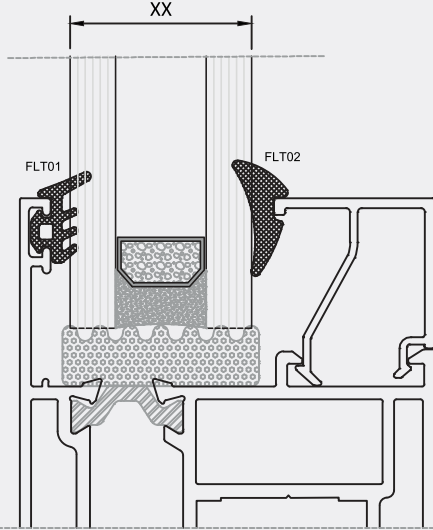
Ağırlık (kg/mt): 1,400

Jx (cm⁴): 18,15

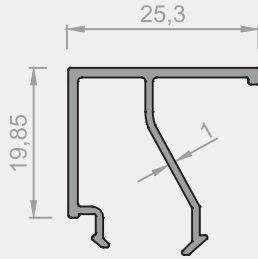
Jy (cm⁴): 13,25

NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

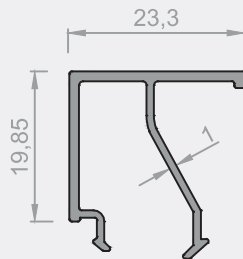
CAM KOMBİNASYONLARI - GLASS COMBINATIONS



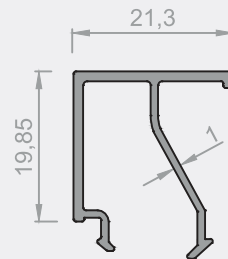
CAM ÇITASI GLAZING BEAD	İÇ CAM FİTİLİ GLAZING GASKET	CAM KALINLIĞI GLASS THICKNESS	DIŞ CAM FİTİLİ GLAZING GASKET
6163	FTL01	20mm	FTL02
6164	FTL01	22mm	FTL02
6165	FTL01	24mm	FTL02
6166	FTL01	26mm	FTL02
6167	FTL01	28mm	FTL02
6168	FTL01	30mm	FTL02



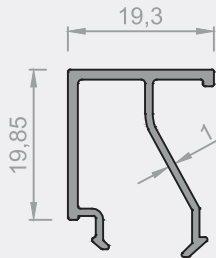
Sistem Kodu : 6163
Ağırlık (kg/mt): 0,251



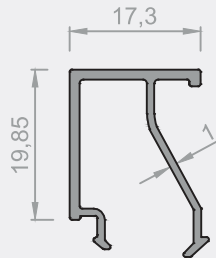
Sistem Kodu : 6164
Ağırlık (kg/mt): 0,250



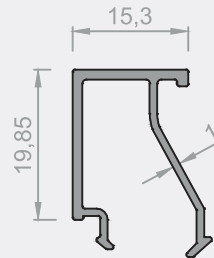
Sistem Kodu : 6165
Ağırlık (kg/mt): 0,237



Sistem Kodu : 6166
Ağırlık (kg/mt): 0,236



Sistem Kodu : 6167
Ağırlık (kg/mt): 0,229

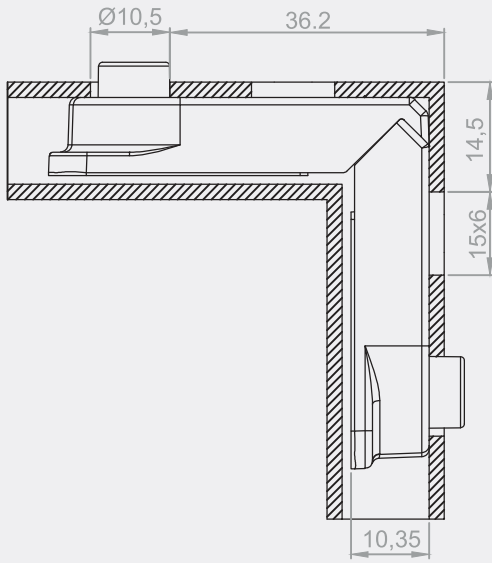


Sistem Kodu : 6168
Ağırlık (kg/mt): 0,222

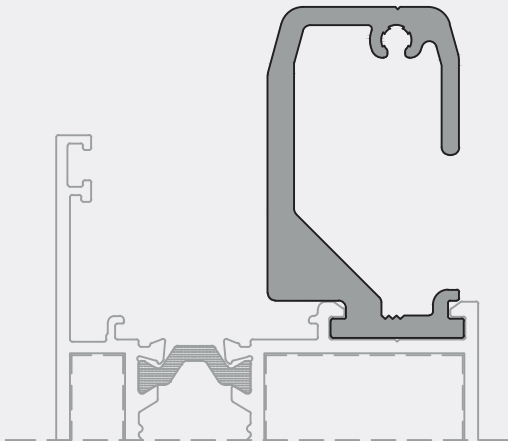
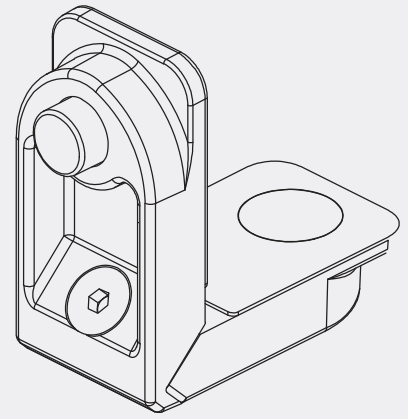
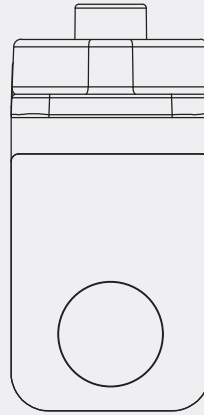
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

ALYAN KÖŞE BİRLEŞTİRME - IMPORTED CORNER JOINT

LC - 1125



LC - 1125



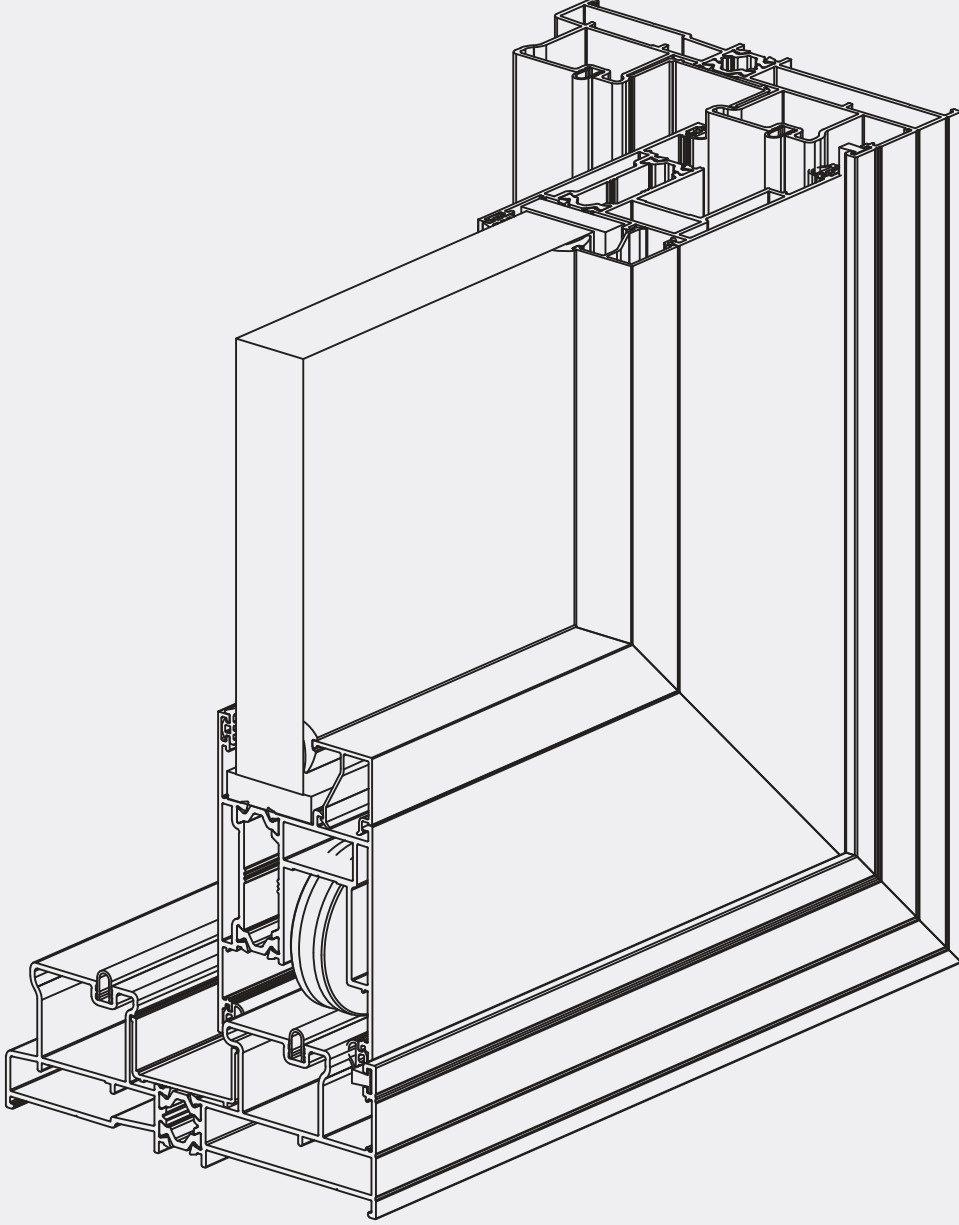
ORTA KAYIT BAĞLANTI (MULLION CONNECTION PIECE)

Nr	 $\longleftrightarrow$ L m	 AKS. KODU ACS. CODE	KESİM ÖLÇÜSÜ CUTTING SIZE
ALC56-302	6173	6173-22,5	22,5 mm

Sistem Kodu : 6173

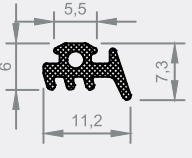
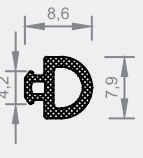
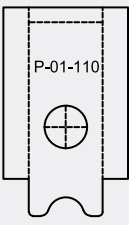
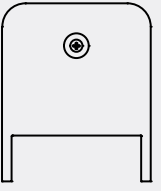
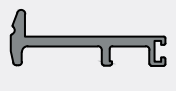
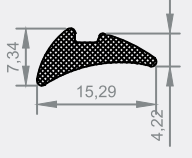
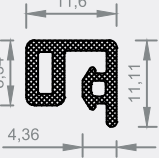
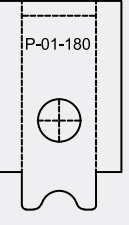
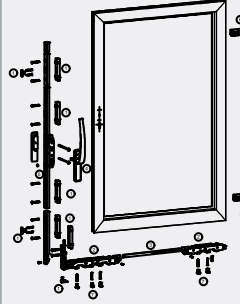
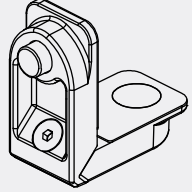
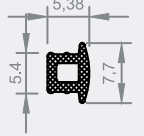
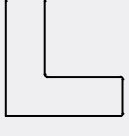
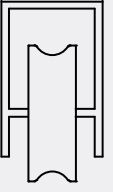
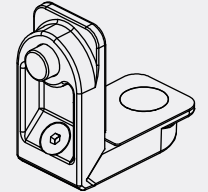
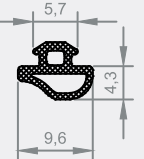
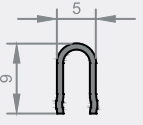
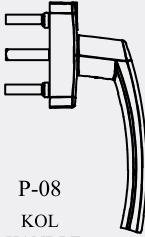
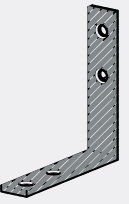
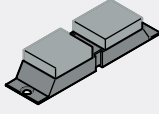
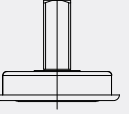
Ağırlık (kg/mt): 1,010

NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

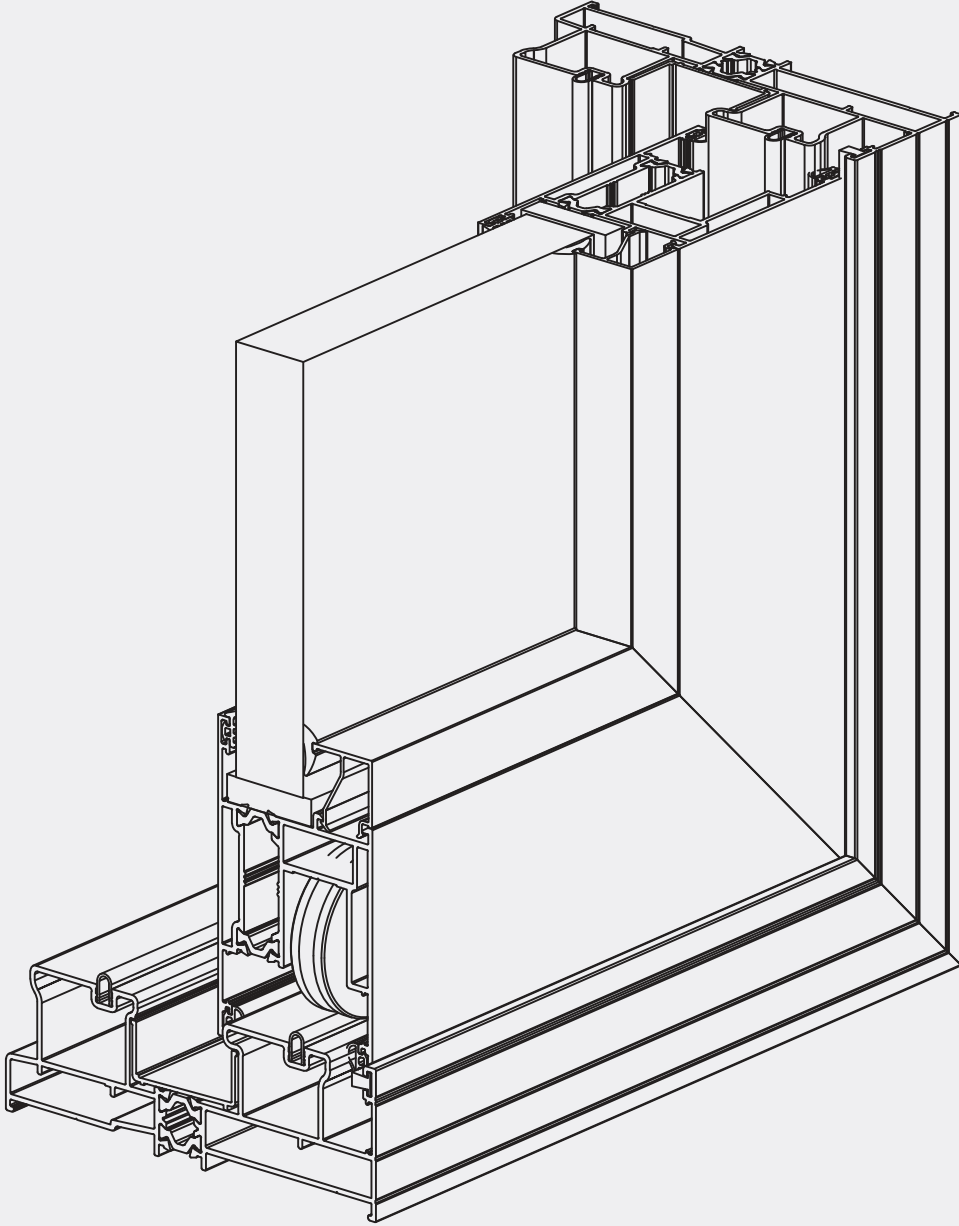


**LS-5500 KALDIR SÜR SİSTEMLERİ
AKSESUARLARI**

LS-5500 Hebeschiebe Slide Systems
Accessories

 FLT-01 EPDM FİTİL EPDM GASKET	 FLT-20 EPDM FİTİL EPDM GASKET	 P-01-110 RULMAN - ROLLER (ADET)	 P-16 KENET KAPAĞI CLAMP COVER (ADET)	 P-14 KASA " U " PLASTİĞİ FRAME " U " PLASTIC (METRE)	 P-17 KENET KİTLEME PLASTİĞİ CENTRAL LOCKING PVC PROFILE (METRE)
 FLT-02 EPDM FİTİL EPDM GASKET	 FLT-21 EPDM FİTİL EPDM GASKET	 P-01-180 RULMAN - ROLLER (ADET)	 P-13 & P-15 KALDIR & SÜR TAKIMI LIFT & SLIDE TEAM (ADET)	 LC-1125 ALYAN KÖŞE CORNER JOINT (ADET)	
 FLT-19 EPDM FİTİL EPDM GASKET	 P-05 KÖŞE GÖNYESİ CORNER ALIGNMENT (ADET)	 SK-03 RULMAN - SİNEKLİK ROLLER - FYLSCREEN (ADET)	 P-07 İSPANYOLET KİTLEMELİ NORMAL SÜRME SİSTEMİ MULTI POINT LOCKING FOR SLIDING SYSTEMS <u>ÖLÇÜLER</u> 400-600/15 600-800/15 800-1000/15 1000-1200/15 1200-1400/15 1400-1600/15 1600-1800/15 1800-2000/15 (ADET)	 LC-1120 SİNEKLİK ALYAN KÖŞE CORNER JOINT (ADET)	
 FLT-10 EPDM FİTİL EPDM GASKET	 P-02 ÇELİK RAY STEEL RAIL (METRE)	 P-08 KOL HANDLE (ADET)		 10X30 SAC BAĞLANTI KÖŞESİ CORNER JOINT (ADET)	
 KİL-67 / 700 KİL FİRİL BRUS GASKET	 P-03 SIZDIRMAZLIK PARÇASI TIGHTNESS PART (ADET)	 P-09 HAVUZ KOL HANDLE (ADET)	 P-06 KİLİT KARŞILIĞI LOCK STRIKES (ADET)		

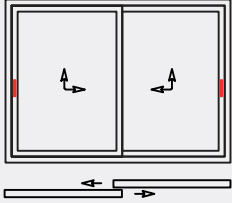
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.



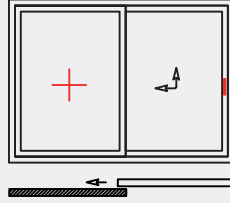
**LS-5500 KALDIR SÜR SİSTEMLERİ
KURULUM ve ÜRETİM ŞEMALARI**

LS-5500 Hebeschiebe Slide Systems
Installation and Production Scheme

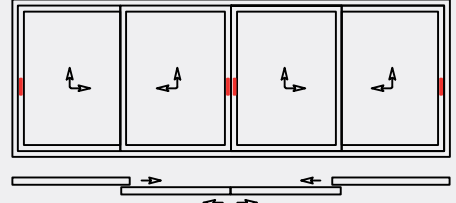
AÇILIM TİPLERİ - OPENING TYPES



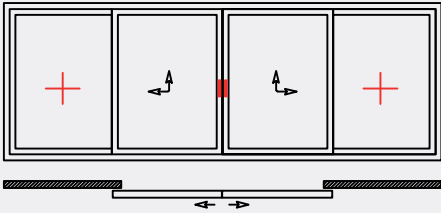
2 HAREKETLİ KANAT
2 SLIDING SASH



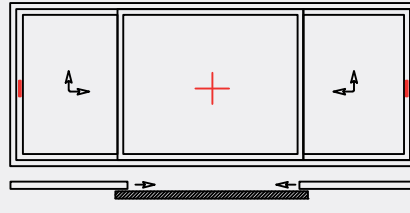
1 HAREKETLİ 1 SABİT KANAT
1 SLIDING 1 FIX SASH



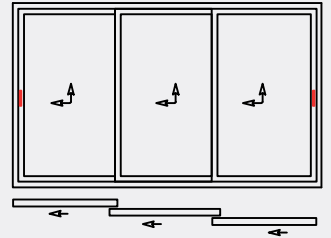
4 HAREKETLİ KANAT
4 SLIDING SASH



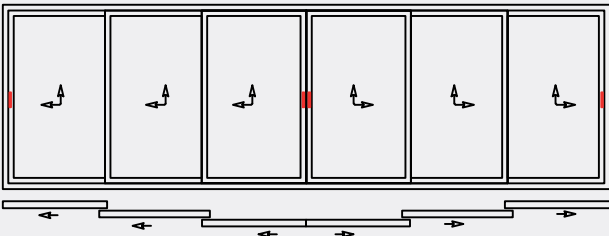
2 HAREKETLİ 2 SABİT KANAT
2 SLIDING 2 FIX SASH



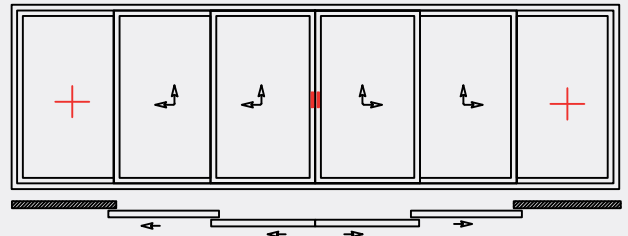
2 HAREKETLİ 1 SABİT KANAT
2 SLIDING 1 FIX SASH



3 HAREKETLİ KANAT
3 SLIDING SASH



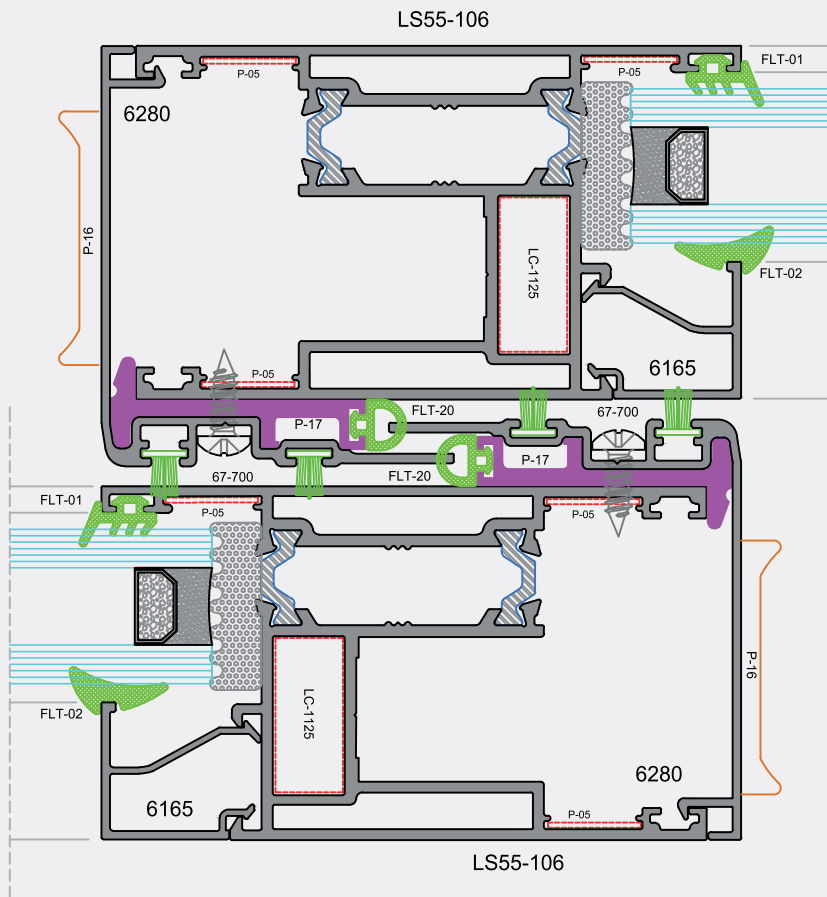
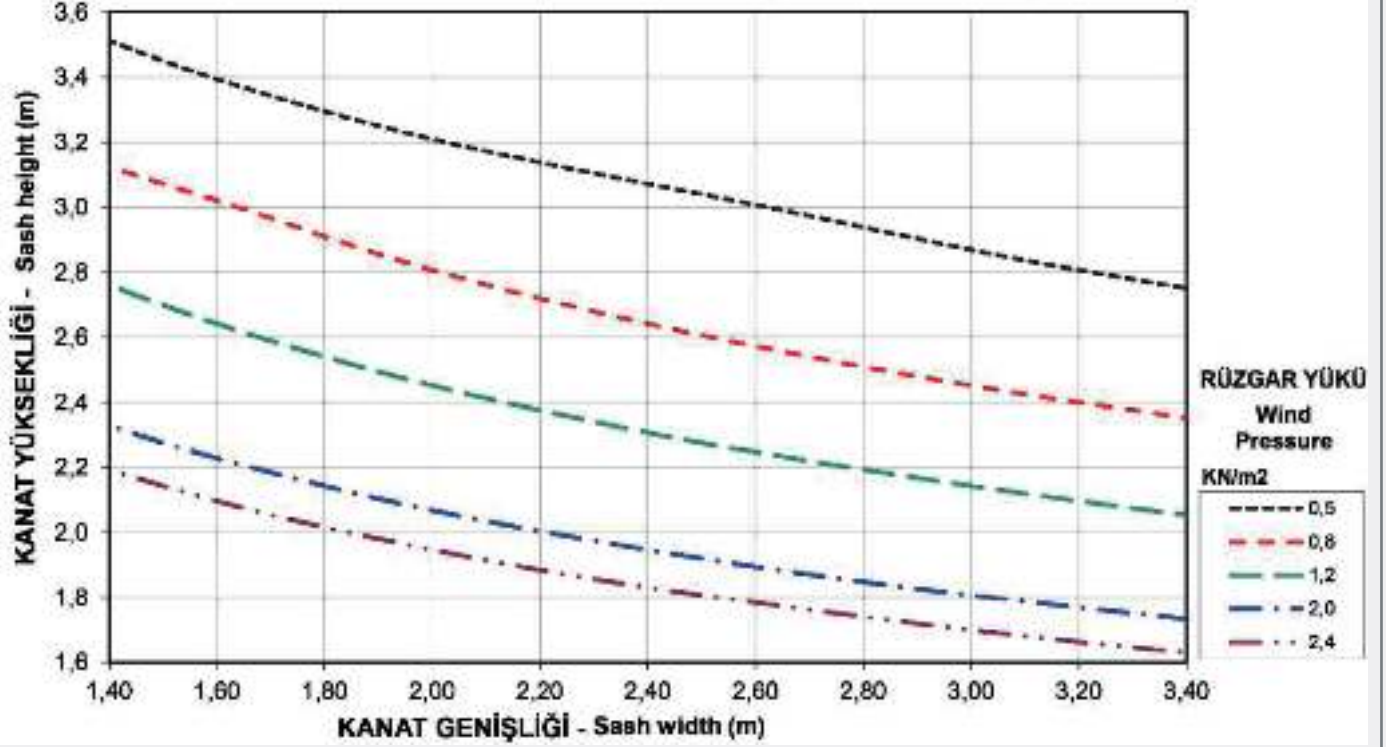
6 HAREKETLİ KANAT
6 SLIDING SASH



4 HAREKETLİ 2 SABİT KANAT
4 SLIDING 2 FIX SASH

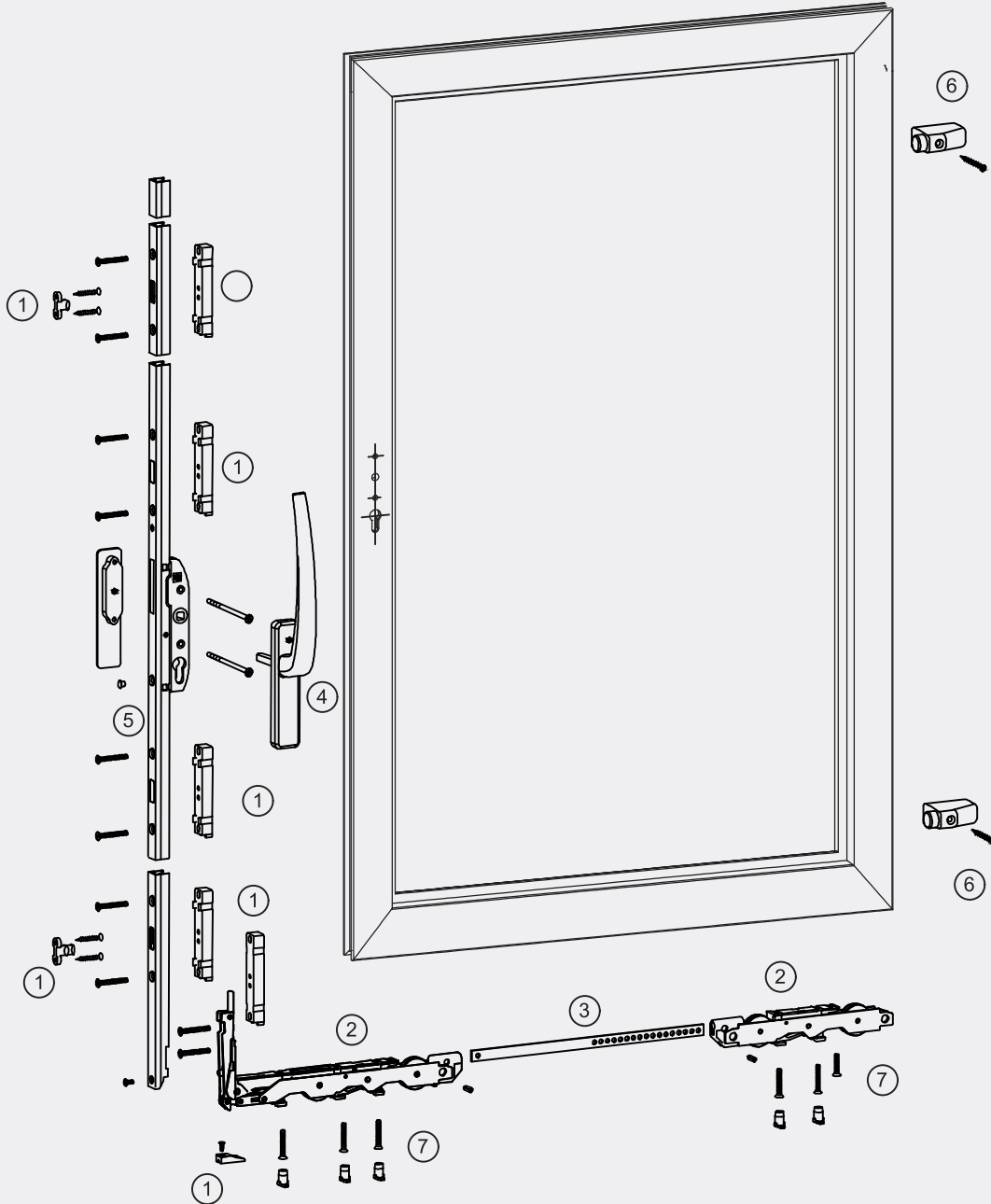
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

STATİK DİYAGRAMLAR - STATIC DIAGRAMS



NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

KALDIR & SÜR MEKANİZMASI MONTAJ ŞEMASI
LIFT & SLIDE MECHANISM INSTALLATION SCHEME

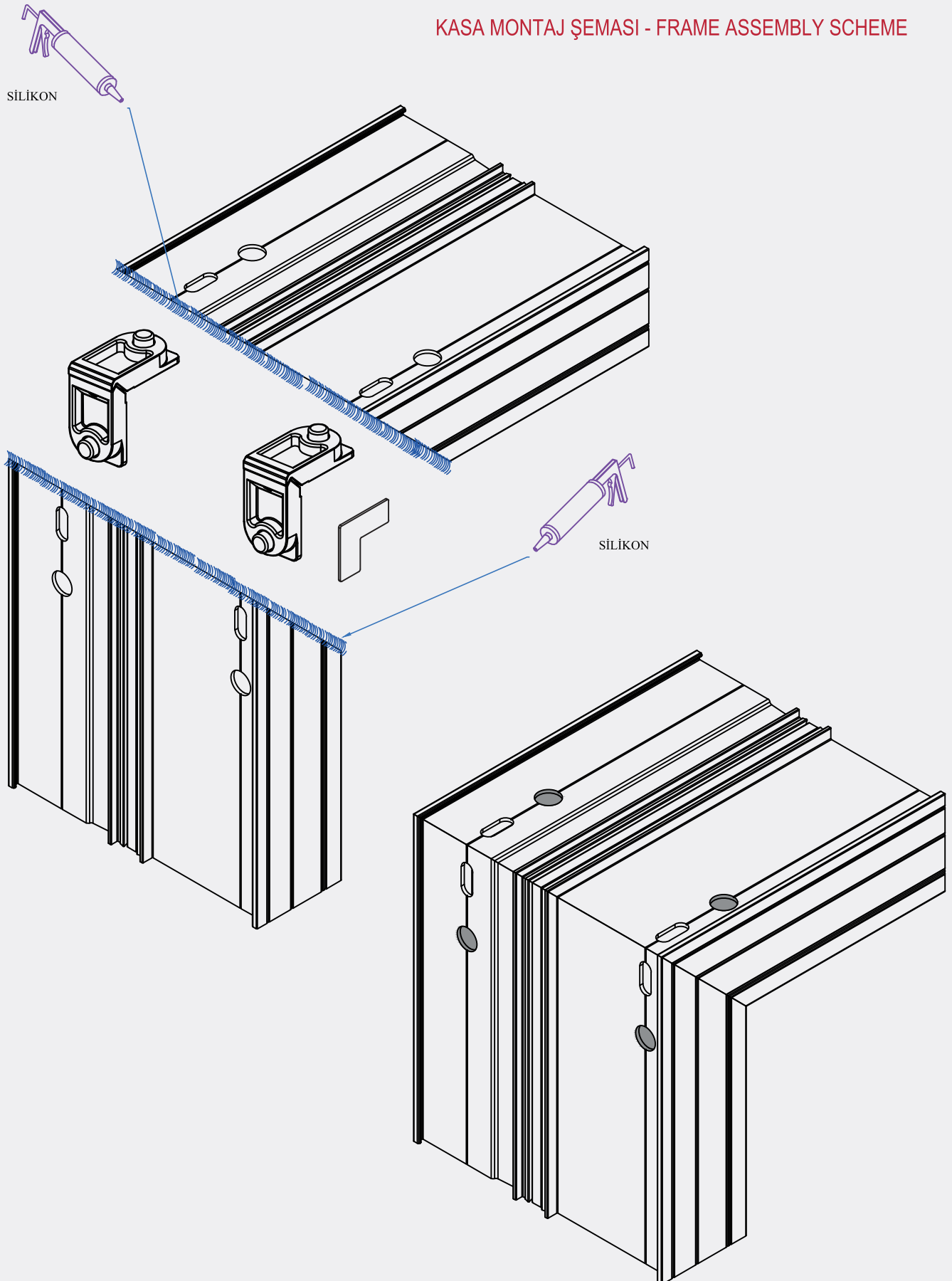


- 1 - KİTLEME TAKIMI - LOCKING TEAM
2 - RULMAN TAKIMI - ROLLER TEAM
3 - RULMAN BAĞLANTI ÇUBUĞU - ROLLER CONNECTION ROD

- 4 - KALDIR SÜR KOL - LIFT & AND SLIDE HANDLE
5 - İSPANYOLET - MULTI POINT LOCKING
6 - STOPER (OPSİYONEL) - STOPPER (OPTIONAL)
7 - RULMAN ALT DESTEK - ROLLER SUB SUPPORT

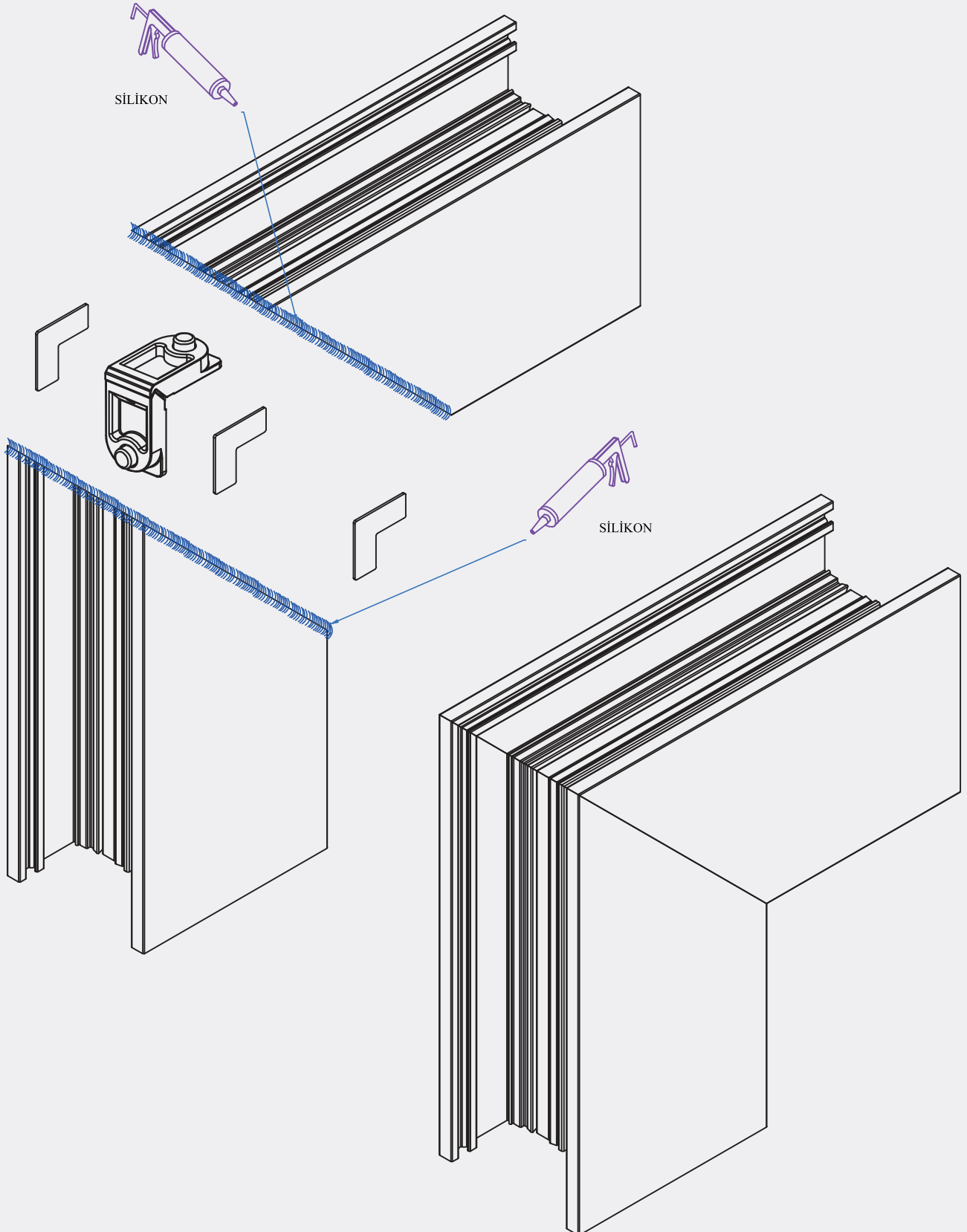
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

KASA MONTAJ ŞEMASI - FRAME ASSEMBLY SCHEME



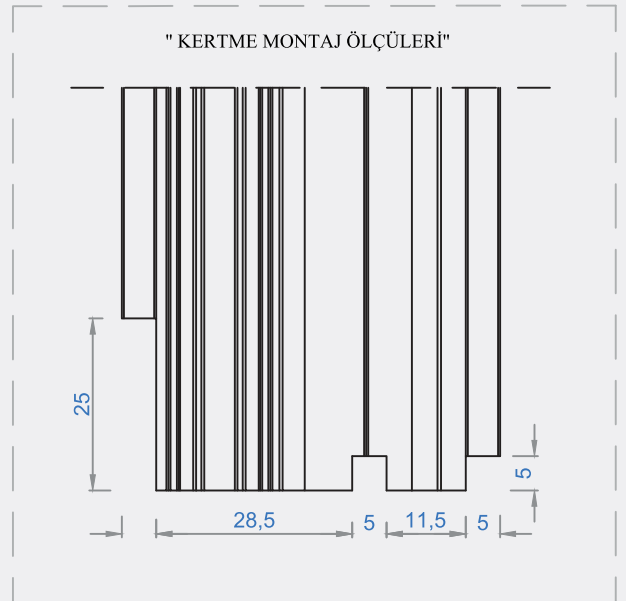
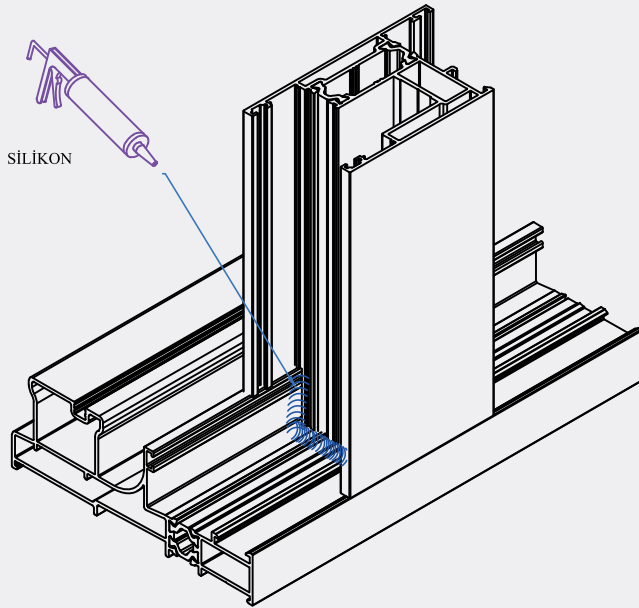
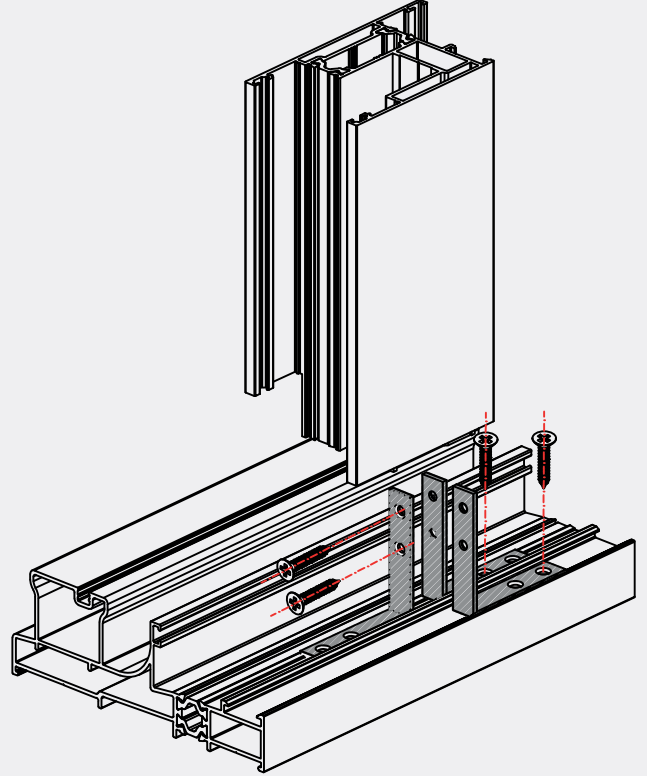
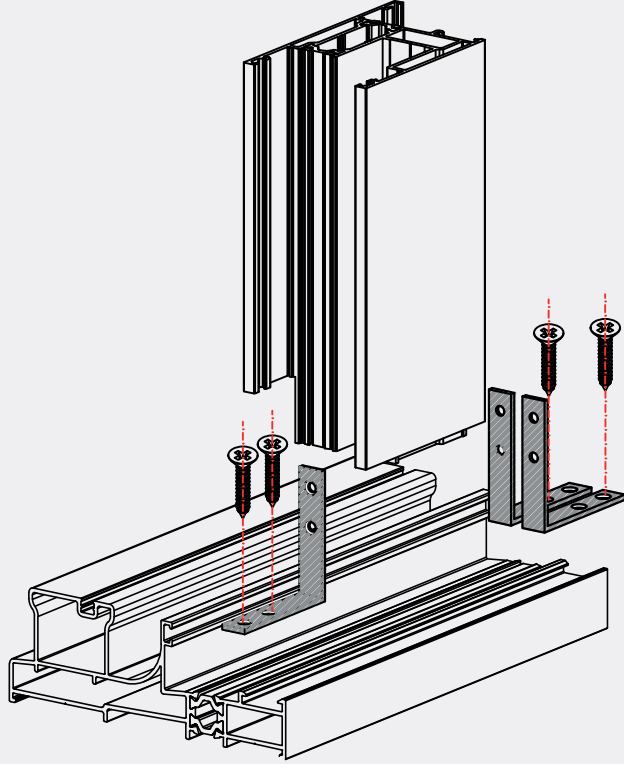
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

KANAT MONTAJ ŞEMASI - SASH ASSEMBLY SCHEME



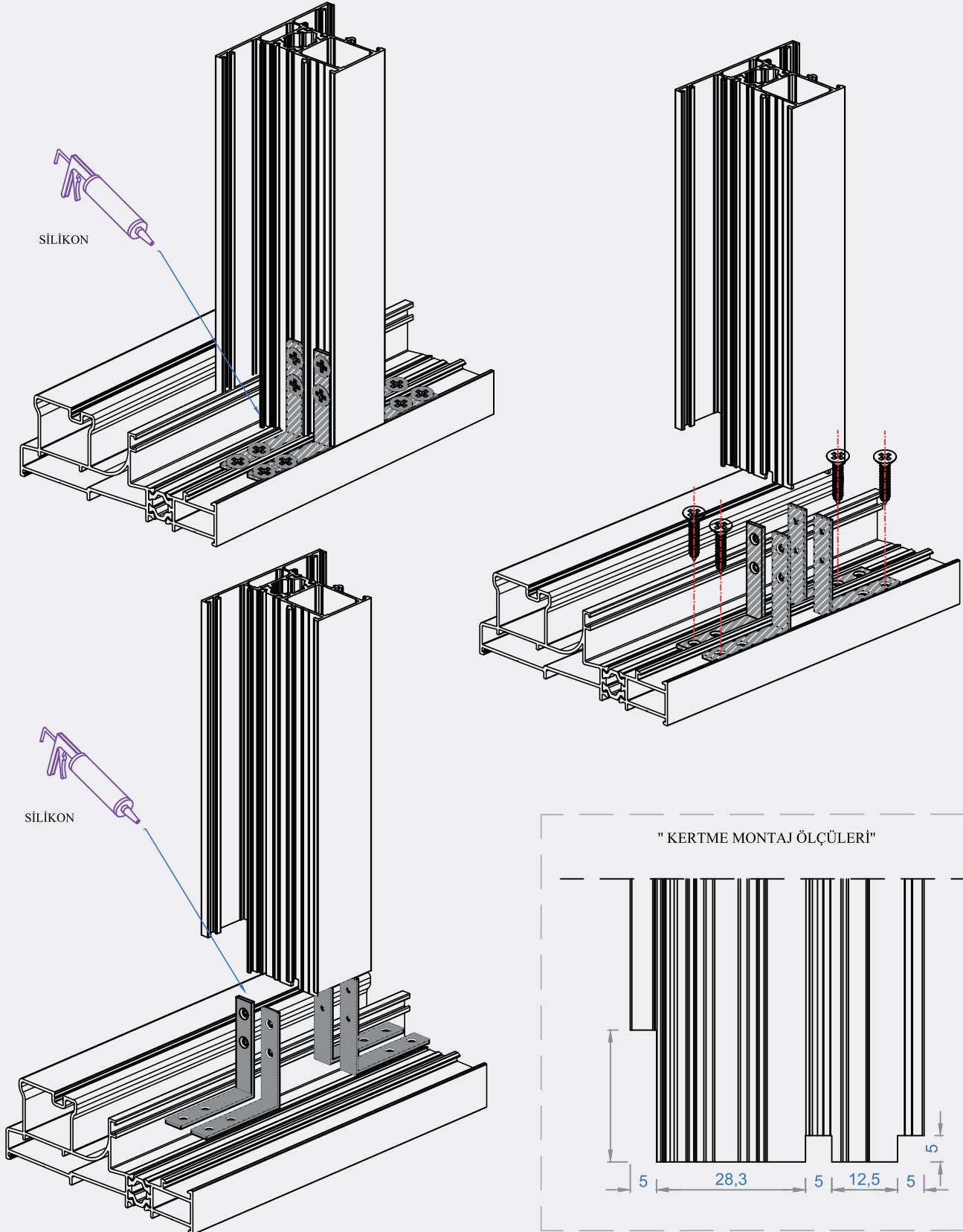
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

SABİT KANAT MONTAJ ŞEMASI - FIX SAHS ASSEMBLY SCHEME



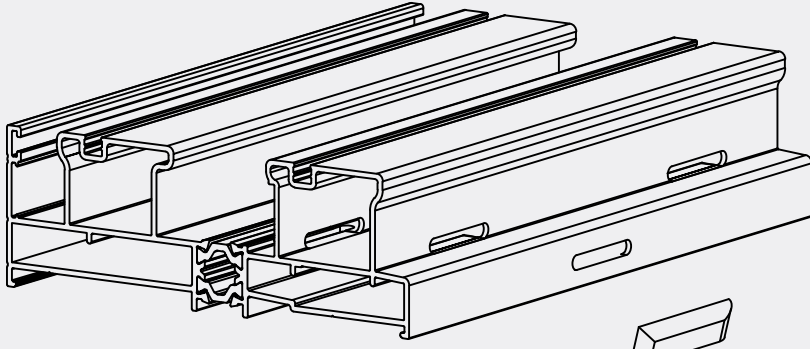
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

ORTAKAYIT MONTAJ ŞEMASI - MULLION ASSEMBLY SCHEME

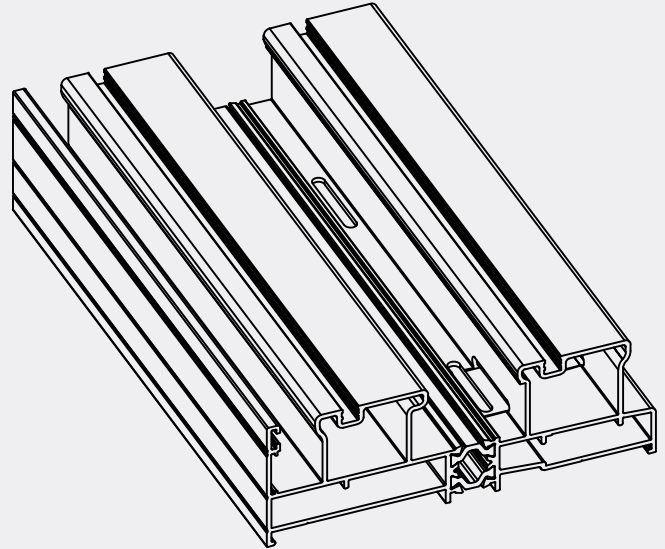
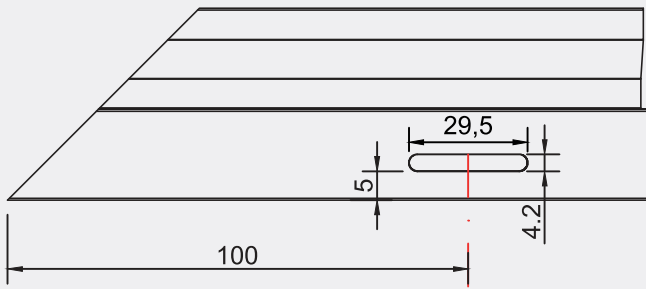
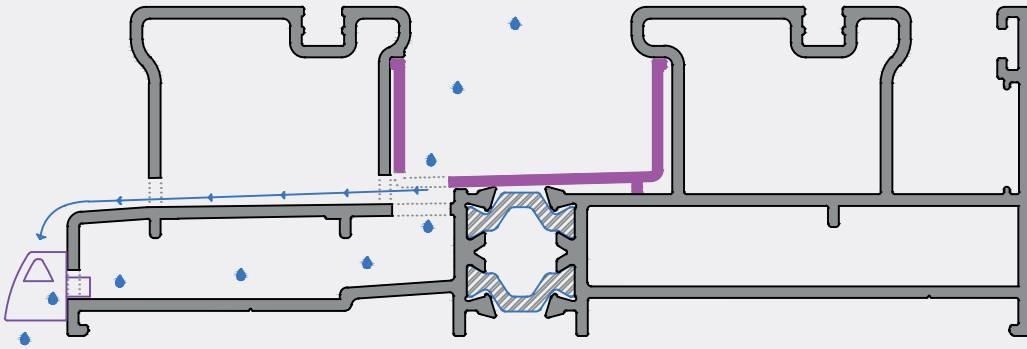
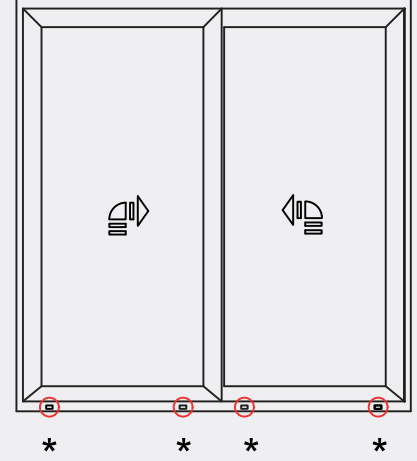


NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

SU TAHLİYE MONTAJ ŞEMASI - WATER EMPTYING ASSEMBLY SCHEME

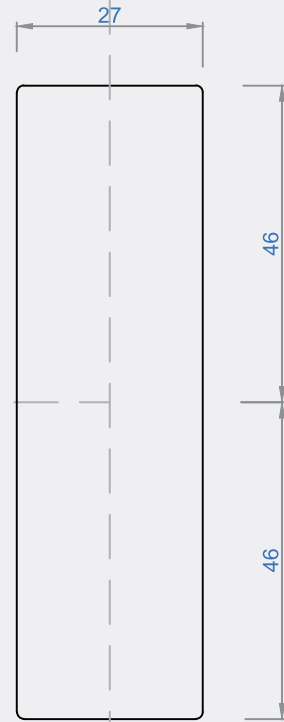
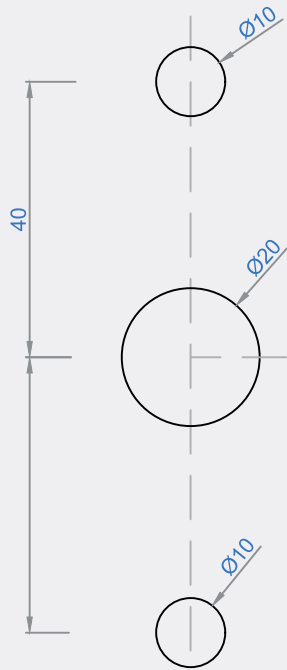
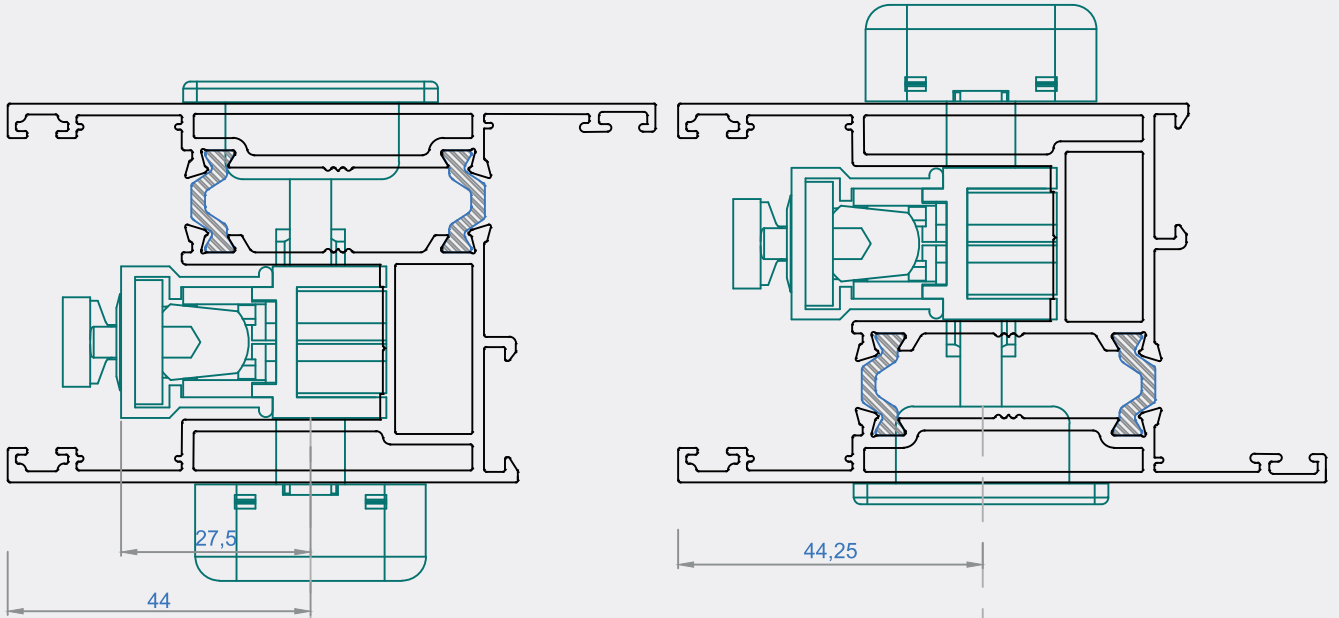


SU TAHLİYE KAPAĞI



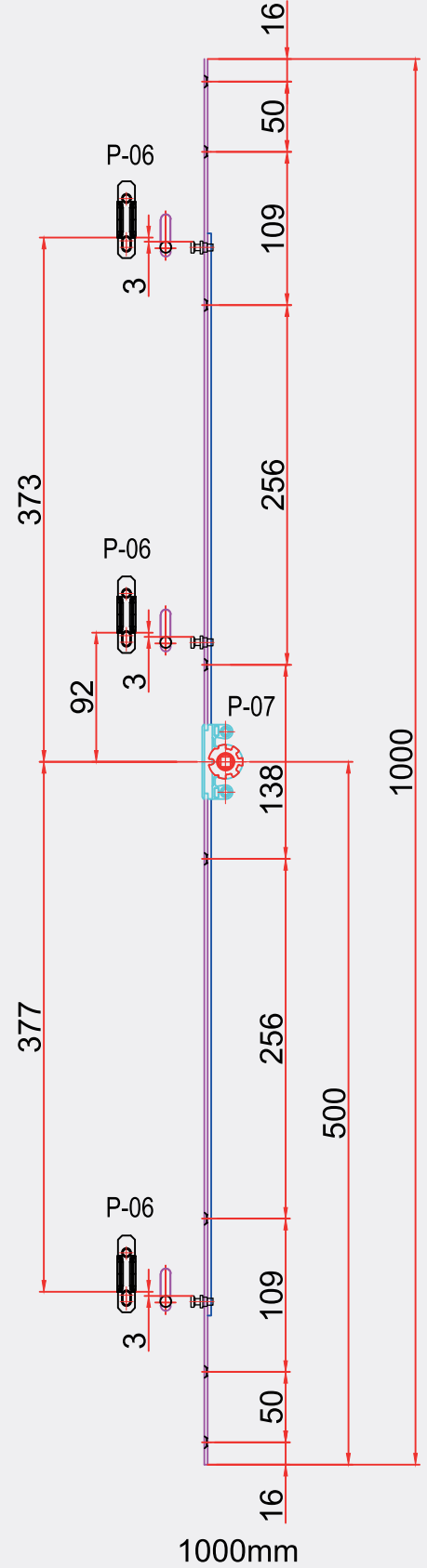
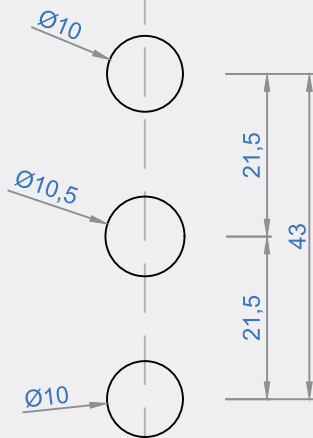
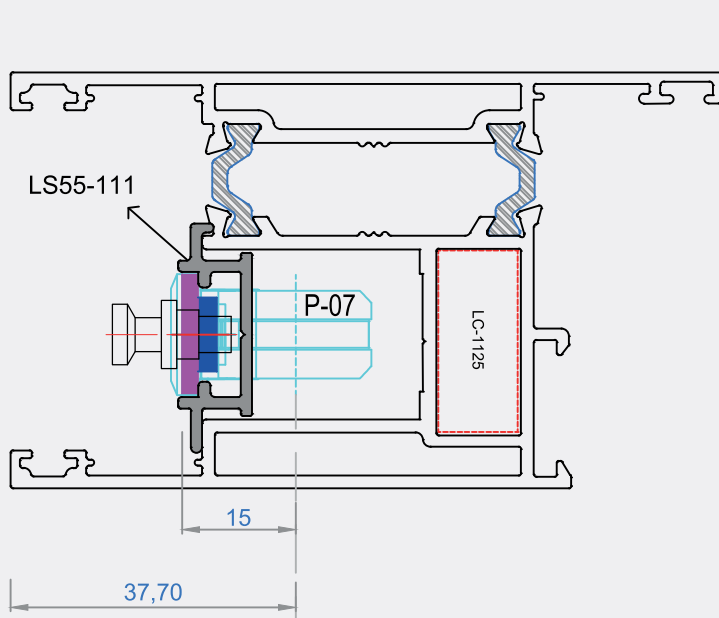
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

KALDIR & SÜR KOL MONTAJ ŞEMASI - LIFT & SLIDE HANDLE ASSEMBLY SCHEME



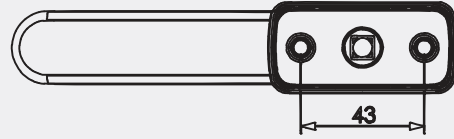
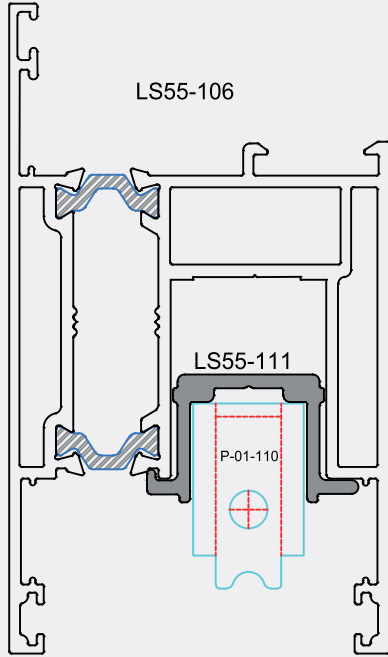
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

İSPANYOLET KİTLEMELİ NORMAL SÜRME SİSTEMİ - MULTI POINT LOCKING FOR SLIDING SYSTEMS

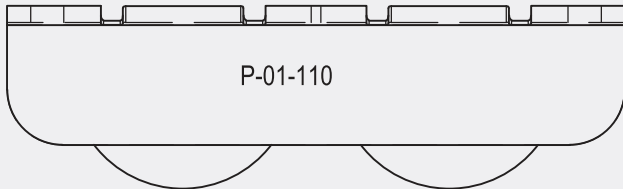
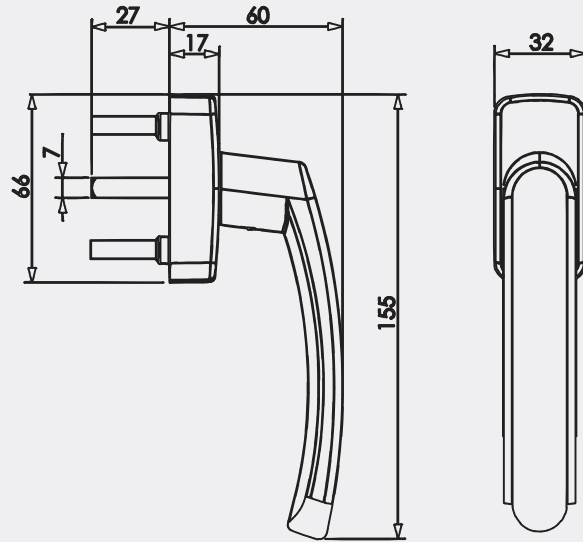


NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

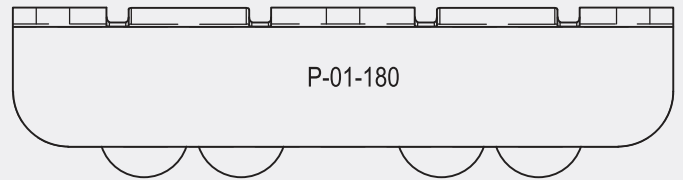
MANUEL SÜRME RULMAN SİSTEMİ - MANUEL SLIDE ROLLER SYSTEMS



P-08



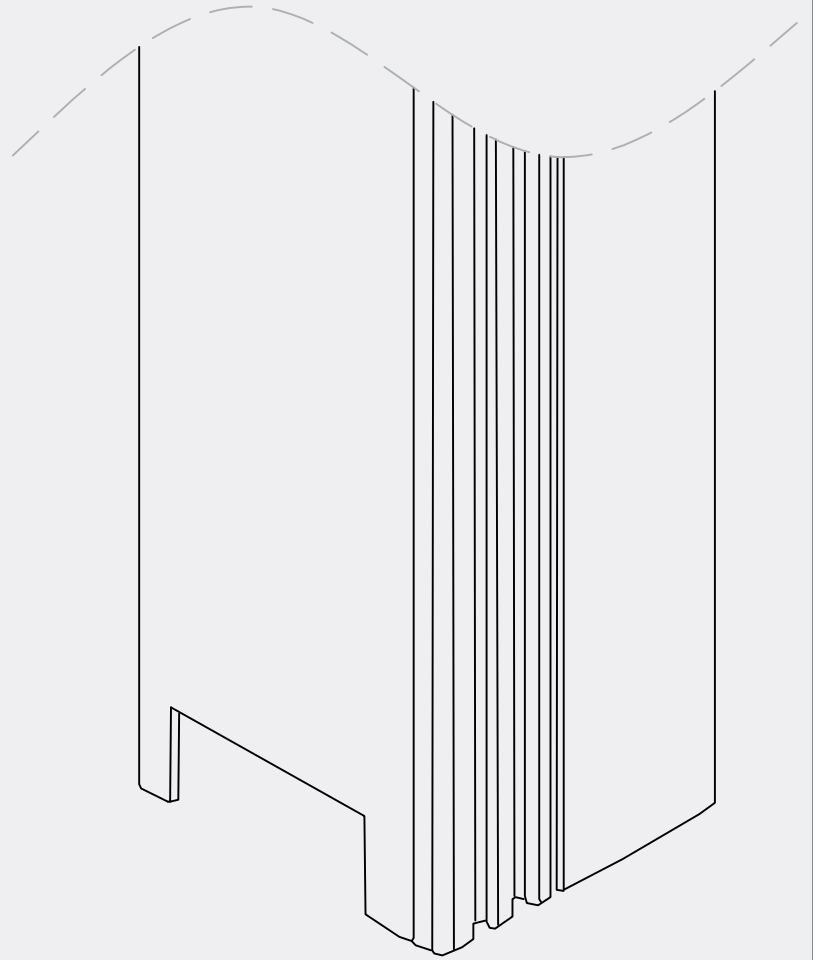
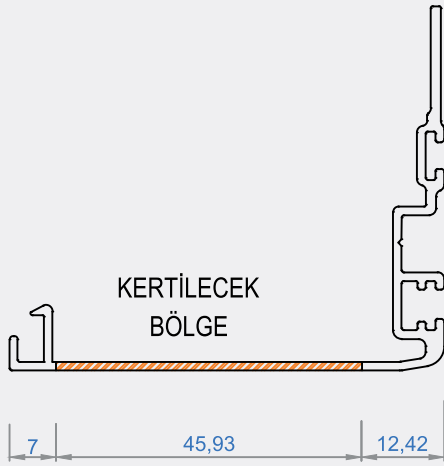
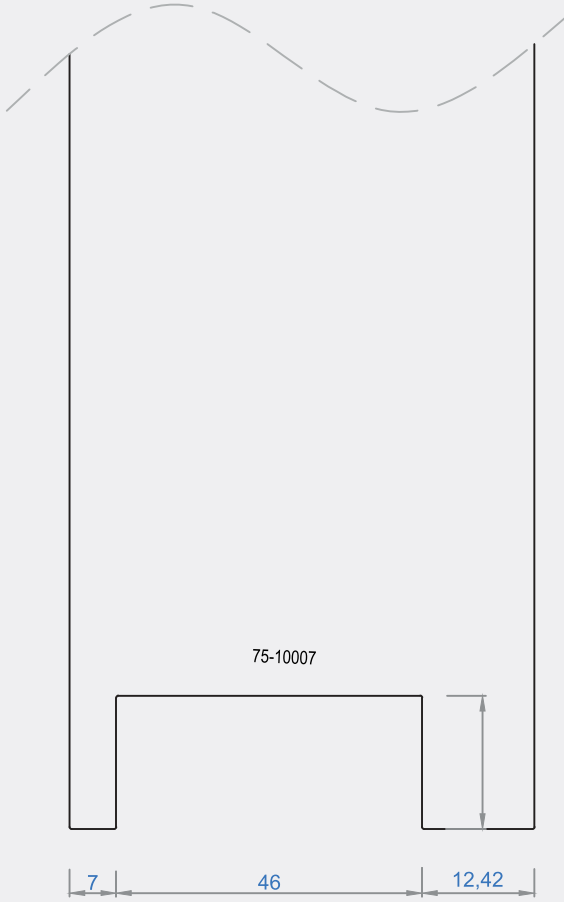
P01 - 110 KG
KANAT TAŞIMA KAPASİTESİ : 220 KG
SASH CARRY CAPACITY : 220 KG



P01 - 180 KG
KANAT TAŞIMA KAPASİTESİ : 360 KG
SASH CARRY CAPACITY : 360 KG

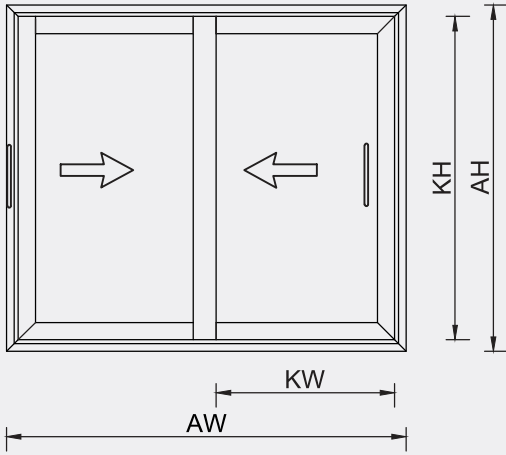
NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

KENET KAPAĞI MONTAJI - CLAMP COVER ASSEMBLY



NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

İMALAT ŞEMASI - PRODUCTION SCHEME



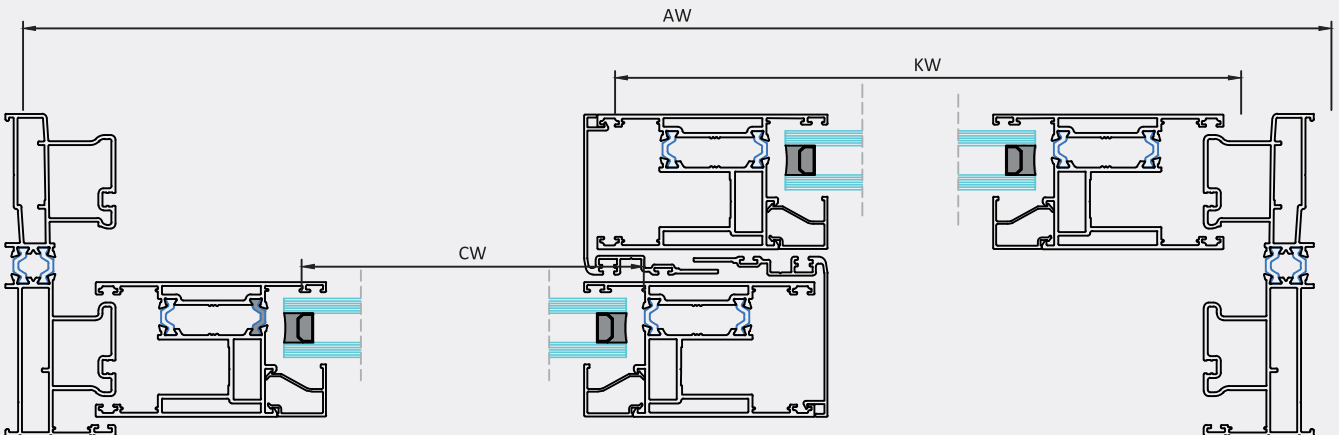
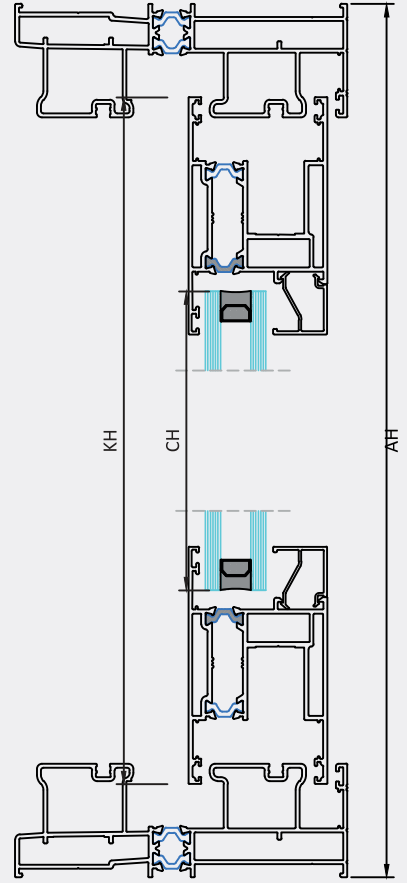
$$KW = (AW + 9,4\text{mm}) / 2$$

$$CW = KW - 154\text{mm}$$

$$KH = AH - 74\text{mm}$$

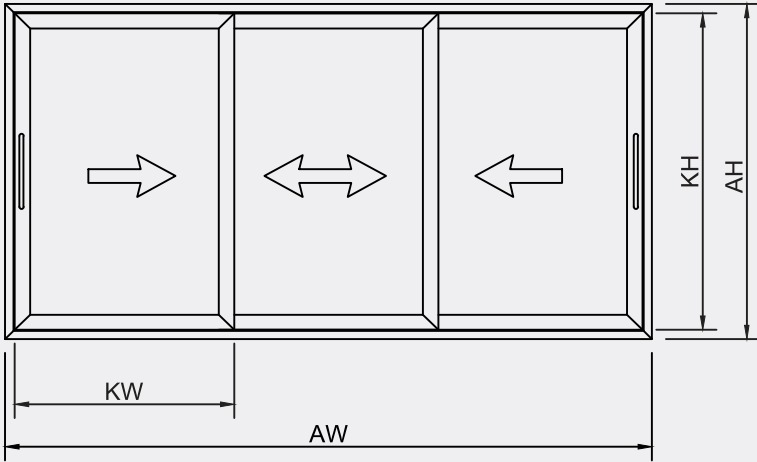
$$CH = KH - 154\text{mm}$$

AW = KASA GENİŞLİK-FRAME WIDTH
AH = KASA YÜKSEKLİK-FRAME HEIGHT
KW = KANAT GENİŞLİK-SASH WIDTH
KH = KANAT YÜKSEKLİK-SASH HEIGHT
CW = CAM GENİŞLİK-GLASS WIDTH
CH = CAM YÜKSEKLİK-GLAS HEIGHT



NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

İMALAT ŞEMASI - PRODUCTION SCHEME



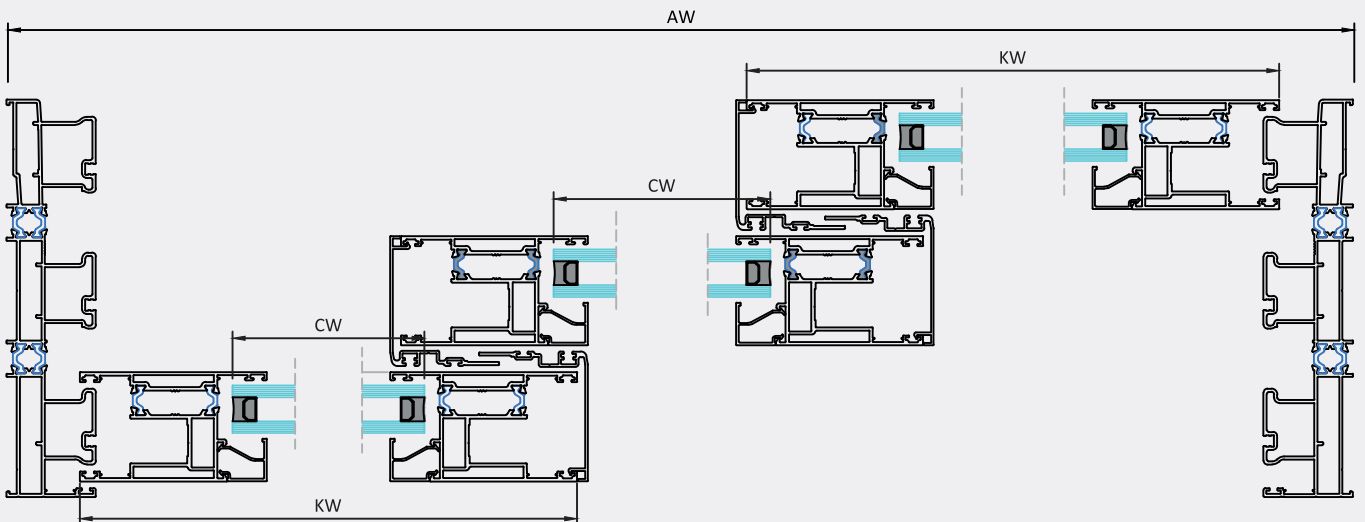
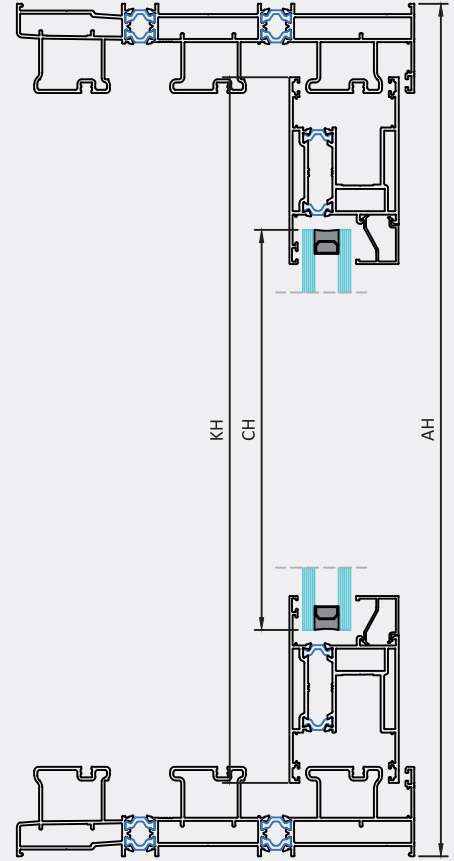
$$KW = (AW + 103,2\text{mm}) / 3$$

$$CW = KW - 154\text{mm}$$

$$KH = AH - 74\text{mm}$$

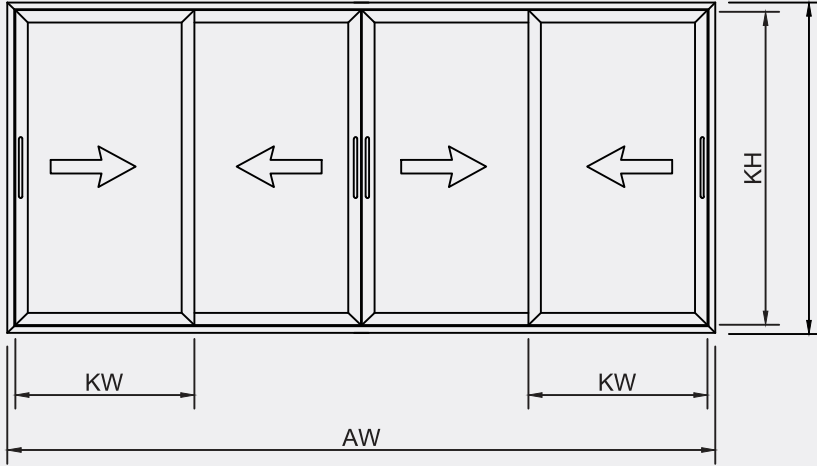
$$CH = KH - 154\text{mm}$$

AW = KASA GENİŞLİK-FRAME WIDTH
AH = KASA YÜKSEKLİK-FRAME HEIGHT
KW = KANAT GENİŞLİK-SASH WIDTH
KH = KANAT YÜKSEKLİK-SASH HEIGHT
CW = CAM GENİŞLİK-GLASS WIDTH
CH = CAM YÜKSEKLİK-GLASS HEIGHT



NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

İMALAT ŞEMASI - PRODUCTION SCHEME



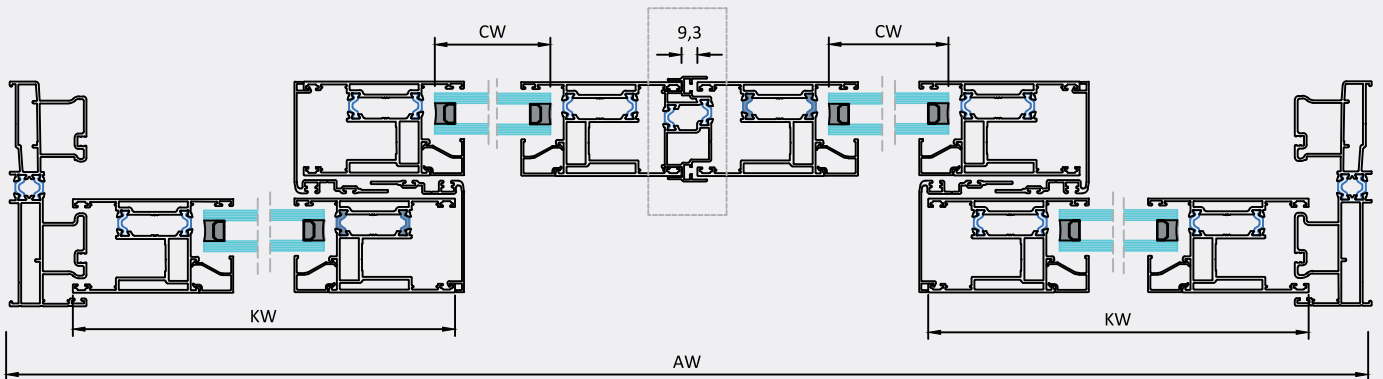
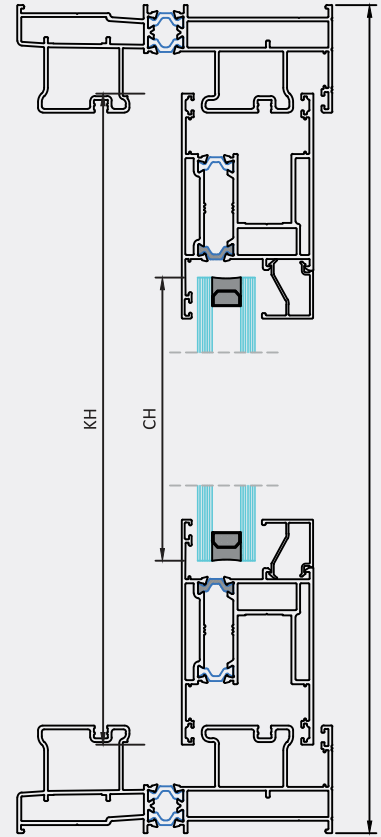
$$KW = (AW + 94,2\text{mm}) / 4$$

$$CW = KW - 154\text{mm}$$

$$KH = AH - 74\text{mm}$$

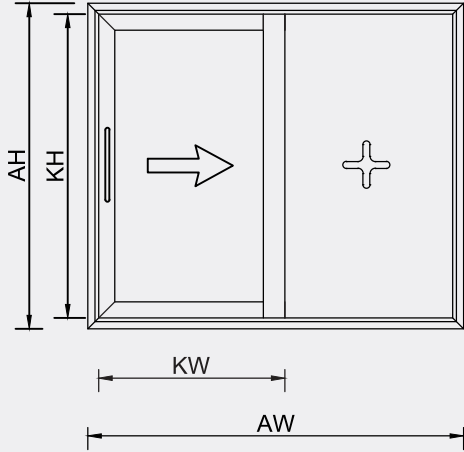
$$CH = KH - 154\text{mm}$$

AW = KASA GENİŞLİK-FRAME WIDTH
AH = KASA YÜKSEKLİK-FRAME HEIGHT
KW = KANAT GENİŞLİK-SASH WIDTH
KH = KANAT YÜKSEKLİK-SASH HEIGHT
CW = CAM GENİŞLİK-GLASS WIDTH
CH = CAM YÜKSEKLİK-GLASS HEIGHT



NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

İMALAT ŞEMASI - PRODUCTION SCHEME



$$KW = (AW/2) + 51,52\text{mm}$$

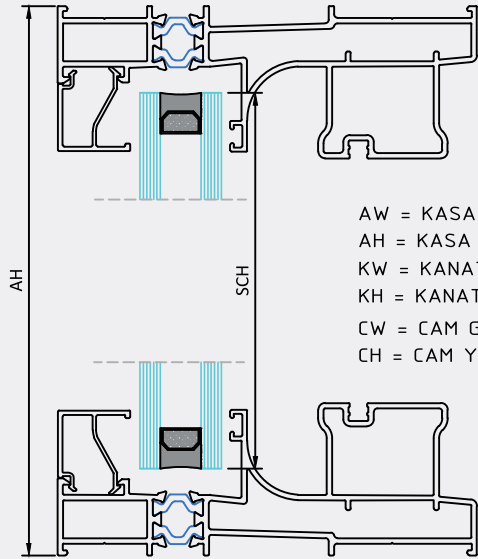
$$CW = KW - 154\text{mm}$$

$$KH = AH - 74\text{mm}$$

$$CH = KH - 154\text{mm}$$

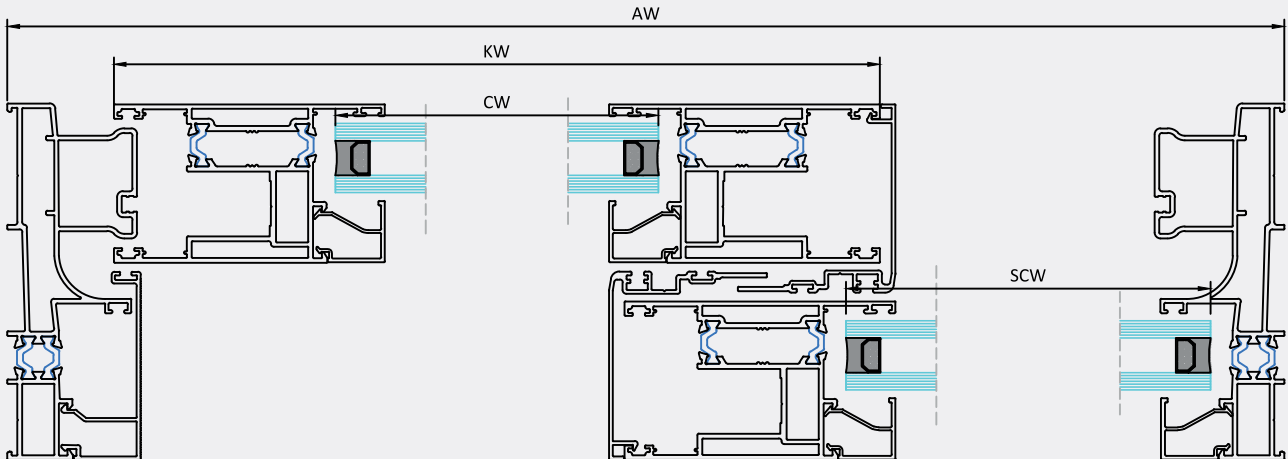
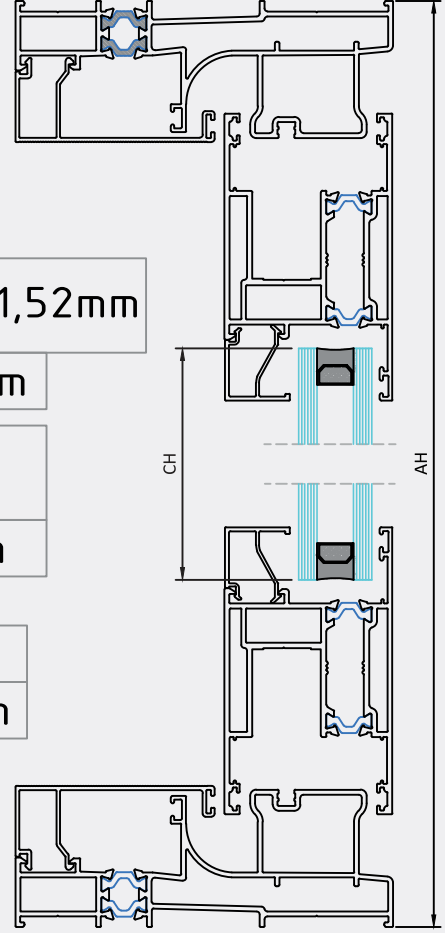
$$SCW = CW$$

$$SCH = AH - 52\text{mm}$$



AW = KASA GENİŞLİK-FRAME WIDTH
AH = KASA YÜKSEKLİK-FRAME HEIGHT
KW = KANAT GENİŞLİK-SASH WIDTH
KH = KANAT YÜKSEKLİK-SASH HEIGHT
CW = CAM GENİŞLİK-GLASS WIDTH
CH = CAM YÜKSEKLİK-GLAS HEIGHT

SCW = SABİT CAM GENİŞLİK-FIX GLASS WIDTH
SCH = SABİT CAM YÜKSEKLİK-FIX GLAS HEIGHT



NOT: Profil ağırlıkları teoriktir, üretim sonrası ağırlıklar geçerlidir.

KAYA Alüminyum

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