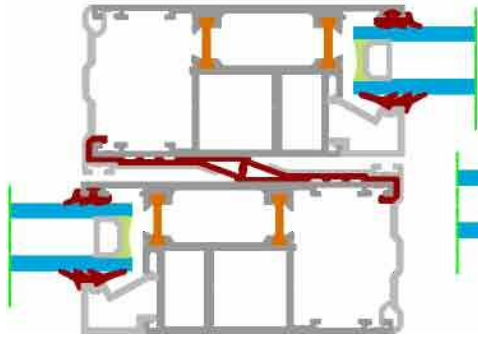
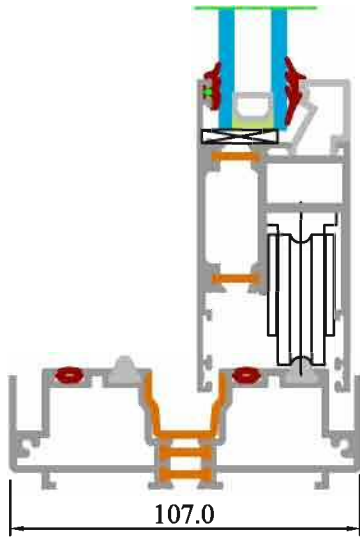
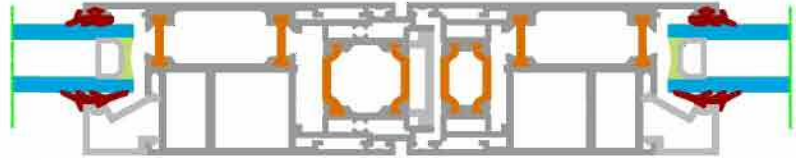
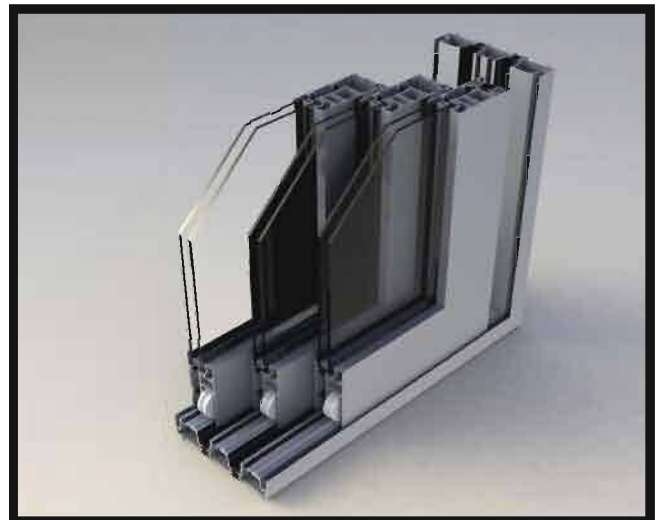
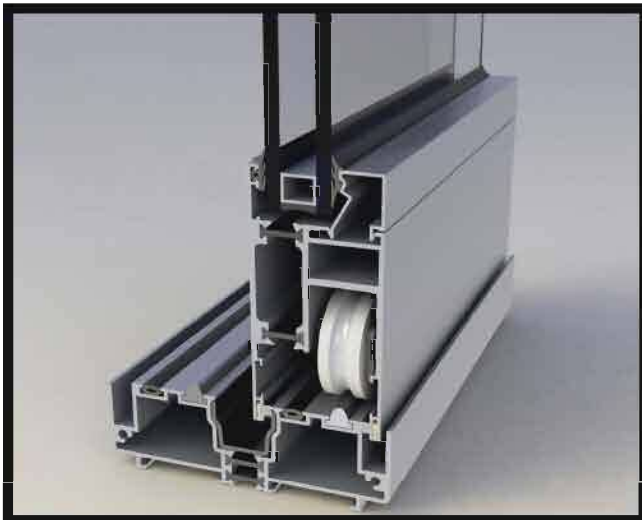
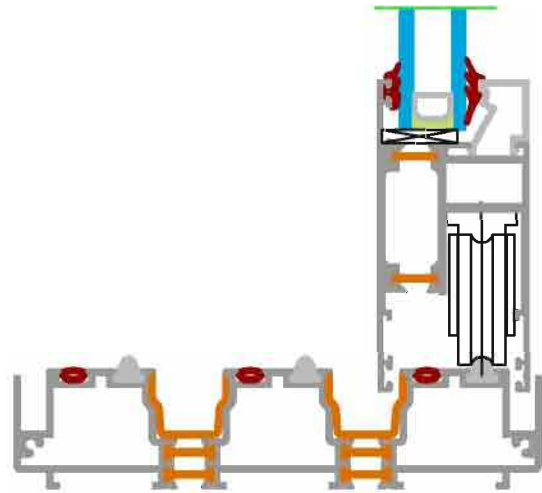


S32**GENİŞ SÜRME SERİ***Kasa / Kanat derinliği : 107mm / 95mm**Isı yalıtımlı : 15mm**Hebe schiebe uygulama imkanı**2 ve 3 raylı olarak dizayn edilebilir*

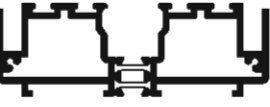
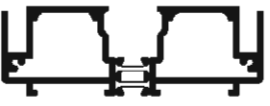
19.0



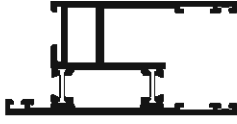
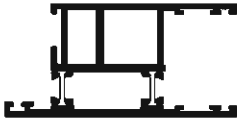
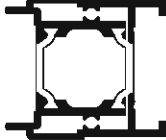
107.0



S32 Geniş Sürme Profil Endeksi

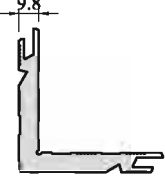
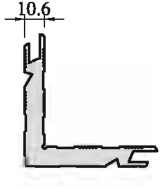
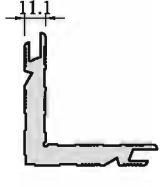
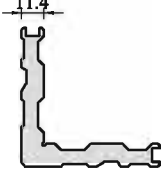
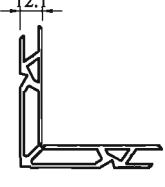
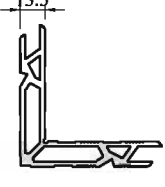
Açıklamalar	Profil Resmi	Profil Kodu	Ağırlık Kg/m	Sayfa No
Geniş Sürme Alt Kasa		32111-16	2.190 Kg/m	118
Geniş Sürme Alt Kasa		32112-16	1.978 Kg/m	118
Geniş Sürme Üst - Yan Kasa		32121-16	1.998 Kg/m	118
Geniş Sürme 3' lü Alt Kasa		32132-16	3.027 Kg/m	118
Geniş Sürme 3' lü Üst - Yan Kasa		32131-16	3.035 Kg/m	118
Alt Kasa İlave Ray Profili		32371-00	0.126 Kg/m	118
Geniş Sürme Sabit Kasa (Sabit Doğramaya Geçiş)		3209-16	1.171 Kg/m	119
Geniş Sürme Yan Kasa (Vidalı Kasa Teşkilî için)		3213-20	1.950 Kg/m	119
Geniş Sürme Sabit Kasa (Sabit Doğramaya Geçiş)		3210-16	1.475 Kg/m	120
Geniş Sürme Sabit Kasa (Sabit Doğramaya Geçiş)		3211-16	1.108 Kg/m	120
Geniş Sürme Orta Kayıt		3218-16	1.200 Kg/m	121

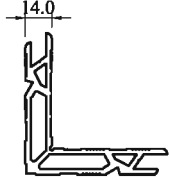
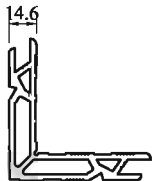
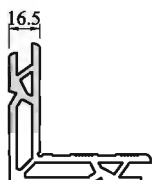
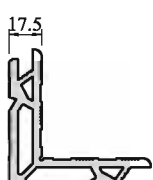
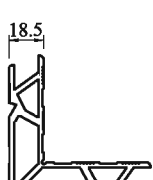
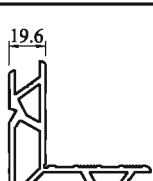
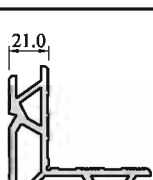
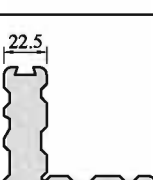
S32 Geniş Sürme Profil Endeksi

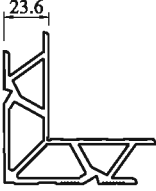
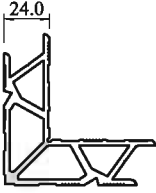
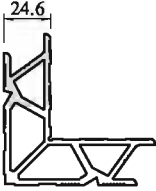
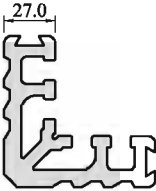
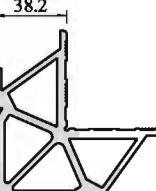
Açıklamalar	Profil Resmi	Profil Kodu	Ağırlık Kg/m	Sayfa No
Geniş Sürme Kanat (Rulman Yuvalı)		32142-16	1.745 Kg/m	121
Geniş Sürme Kanat (Rulman Uygulaması Kertmeli)		32143-16	1.821 Kg/m	121
Geniş Sürme Kanat Alın Kapatma (Kenet) Profili		3217-12	0.392 Kg/m	122
Geniş Sürme Kanat Birleşim Adaptör		3215-12	0.822 Kg/m	122
Geniş Sürme Kilit Adaptör		3219-12	0.514 Kg/m	122
Geniş Sürme Kilit Karşılığı		3220-00	0.229 Kg/m	122
Sürme Sineklik Çıtası		32631-15	0.179 Kg/m	122
Geniş Sürme Sineklik Profili		32611-15	0.732 Kg/m	122
Geniş Sürme Sineklik Profili		32612-12	0.376 Kg/m	122
Geniş Sürme Sineklik Rayı		32621-15	0.466 Kg/m	122
Geniş Sürme Sineklik Rayı		32622-12	0.147 Kg/m	122

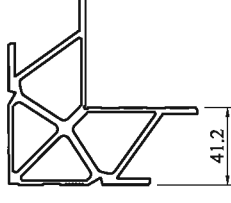
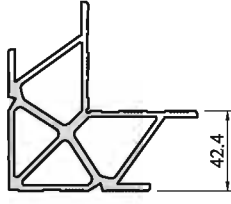
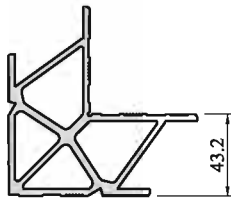
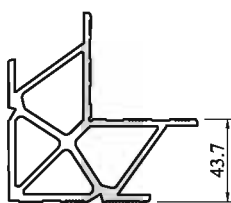
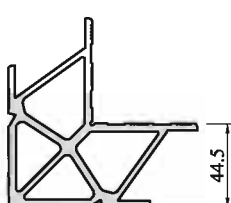
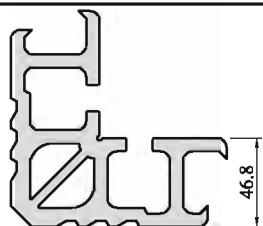
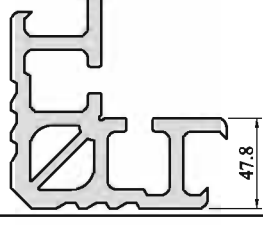
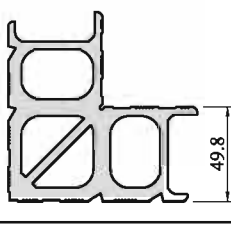
Köşe Takozları
Pres Corners

W65 sisteminin profilleri ile W75 sisteminin profilleri arasındaki tek fark ısı bariyerleridir. Dolayısı ile W75XYZ-AB ile W65XYZ-AB için aynı köşe takozu seçilmelidir. Örneğin T851-121 takozunun aşağıda W75011-20-ÜST ile çalıştığı yazılmıştır. Bu takoz aynı zamanda W65011-20-ÜST ile de çalışmaktadır.

3D Resmi	2D Resmi	Özellikleri	Kullanıldığı Profiller
		T851-098 9.8 mm 2.759 Kg/m	32312-16 / 2
		T851-106 10.6 mm 2.953 Kg/m	3213-20
		T851-111 11.1 mm 3.074 Kg/m	3209-16 3210-16 3211-16
		T851-114 11.4 mm 3.111 Kg/m	32311-16 32312-16 / 1
		T851-121 12.1 mm 1.846 Kg/m	W75011-20-ÜST W75211-20-ÜST 32142-16 32143-16 / 1
		T851-135 13.5 mm 2.256 Kg/m	W75011-16-ÜST W65012-16-ÜST W75015-16-ÜST W65212-16-ÜST W75017-16-ÜST W65018-16-ÜST W75211-16-ÜST W65016-16-ÜST W65213-16-ÜST

3D Resmi	2D Resmi	Özellikleri	Kullanıldığı Profiller
		T851-140 14.0 mm 2.432 Kg/m	W75351-20-ALT
		T851-146 14.6 mm 2.633 Kg/m	W75351-16-ALT
		T851-165 16.5 mm 3.261 Kg/m	W75351-20-ÜST
		T851-175 17.5 mm 3.576 Kg/m	W75011-20-ALT W75211-20-ALT W75351-16-ÜST W65326-16-ÜST
		T851-185 18.5 mm 2.512 Kg/m	W75011-16-ALT W65012-16-ALT W75015-16-ALT W65212-16-ALT W75017-16-ALT W65016-16-ALT W75211-16-ALT W65018-16-ALT W65213-16-ALT
		T851-196 19.6 mm 2.859 Kg/m	W7553-16-ÜST
		T851-210 21.0 mm 3.308 Kg/m	W7551-16
		T85-225 22.5 mm 7.242 Kg/m	W75021-20-ÜST W75221-20-ÜST W7553-16-ALT 32143-16/2

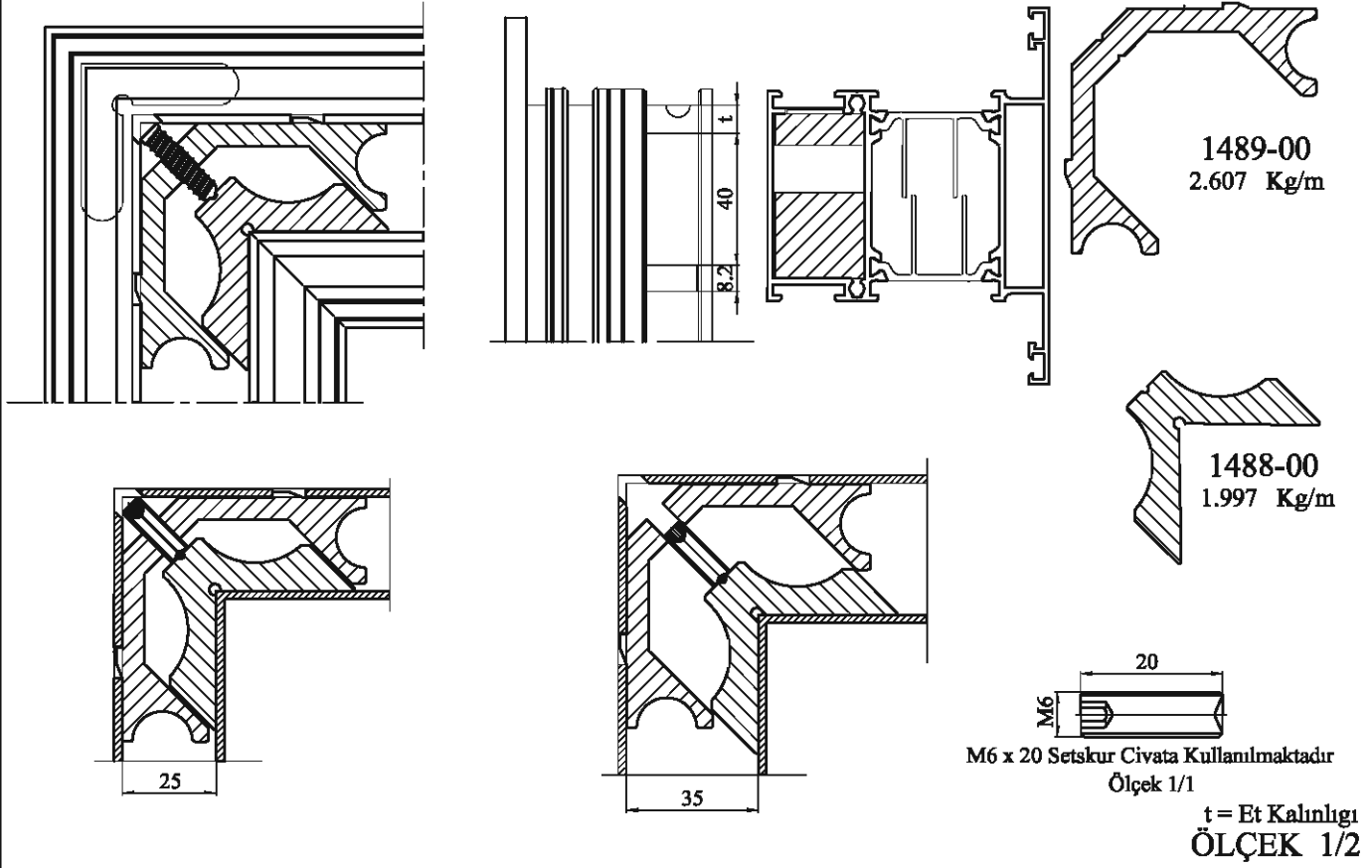
3D Resmi	2D Resmi	Özellikleri	Kullanıldığı Profiller
		T851-236 23.6 mm 2.897 Kg/m	W75021-16-ÜST W75221-16-ÜST
		T851-240 24.0 mm 2.948 Kg/m	W75361-20-ALT W65223-16-ALT 32111-16 32112-16 32121-16 32131-16 32132-16
		T851-246 24.6 mm 3.140 Kg/m	W75361-16-ALT W75363-16-ALT
		T851-270 27.0 mm 5.513 Kg/m	W75021-20-ALT 32012-16 W75221-20-ALT 32013-16 W75361-20-ÜST 32014-16 32011-16 32021-16 32022-16
		T851-280 28.0 mm 3.025 Kg/m	W75361-16-ÜST W75363-16-ÜST
		T851-286 28.6 mm 3.217 Kg/m	W75021-16-ALT W75221-16-ALT
		T851-334 33.4 mm 3.423 Kg/m	W65223-16-ÜST
		T851-382 38.2 mm 4.758 Kg/m	W65223-16-ALT

3D Resmi	2D Resmi	Özellikleri	Kullanıldığı Profiller
		T851-412 41.2 mm 3.863 Kg/m	W75391-20-ALT
		T851-424 42.4 mm 4.158 Kg/m	W75031-20-ÜST W75231-20-ÜST
		T851-432 43.2 mm 4.354 Kg/m	W75031-16-ÜST W75231-16-ÜST
		T851-437 43.7 mm 4.480 Kg/m	W75381-20-ALT
		T851-445 44.5 mm 4.677 Kg/m	W75381-16-ALT
		T85-468 46.8 mm 9.748 Kg/m	W75381-20-ÜST
		T85-478 47.8 mm 9.807 Kg/m	W75031-16-ALT W75031-20-ALT W75231-16-ALT W75231-20-ÜST W75381-16-ÜST
		T85-498 49.8 mm 8.230 Kg/m	W75391-20-ÜST

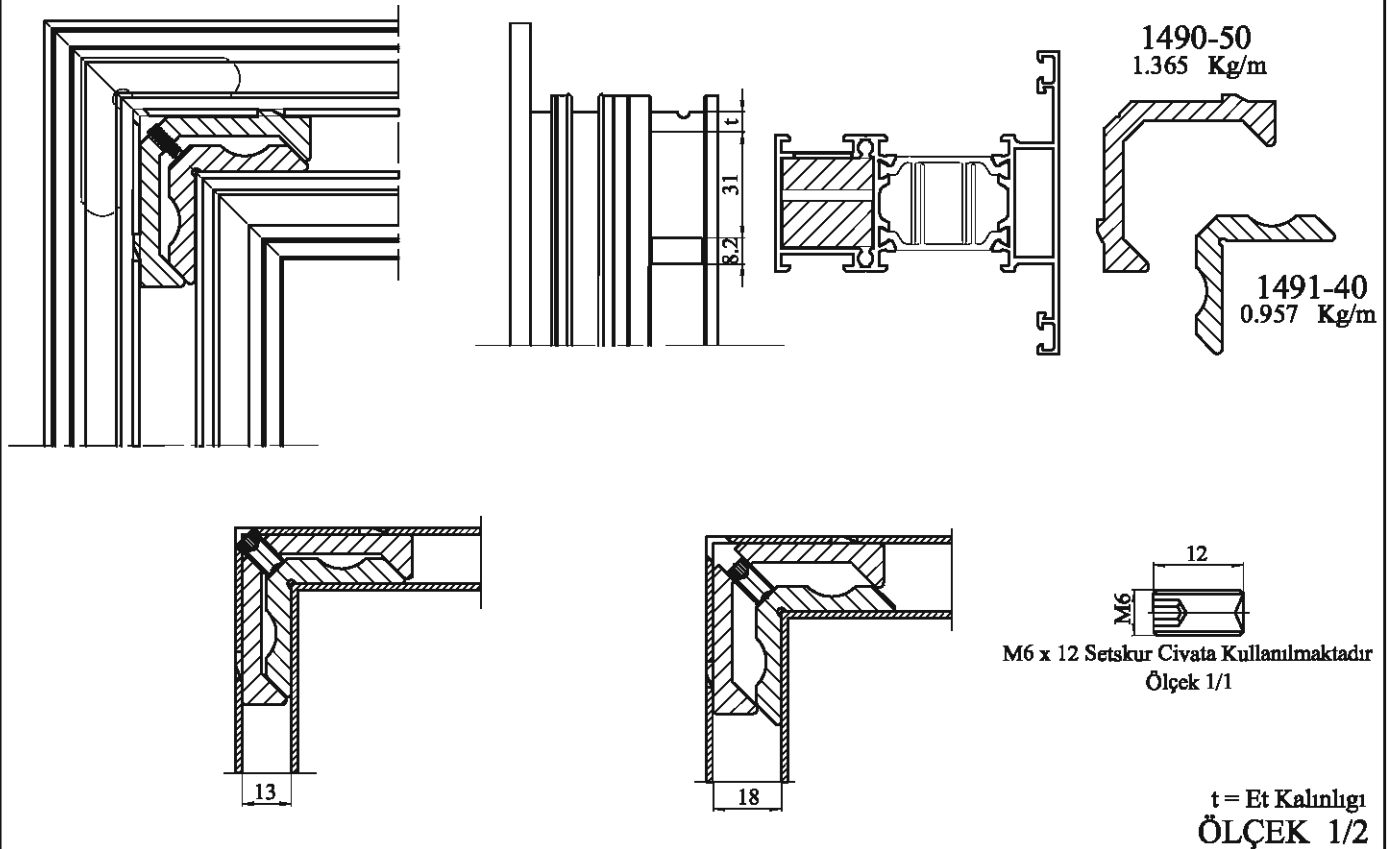
PROFİLLER ve KULLANILAN TAKOZLAR LİSTESİ

Profil No	A/ Ü	Takoz Numarası / Kesim Ölçüsü (mm)	Profil No	A/ Ü	Takoz Numarası / Kesim Ölçüsü (mm)	Profil No	A/ Ü	Takoz Numarası / Kesim Ölçüsü (mm)
3211-16	-	T851-111 / 22.1	W65021-16	A	T851-286 / 9.7	W75011-16	A	T851-185 / 9.7
3213-20	-	T851-106 / 26.5	W65021-16	Ü	T851-236 / 23.9	W75011-16	Ü	T851-135 / 23.9
3209-16 (1)	-	T851-111 / 42.2	W65021-20	A	T85-270 / 8.9	W75011-20	A	T851-175 / 8.9
3209-16 (2)	-	T851-111 / 22.1	W65021-20	Ü	T85-225 / 23.5	W75011-20	Ü	T851-121 / 23.5
3210-16 (1)	-	T851-111 / 22.1	W65031-16	A	T85-478 / 9.7	W75015-16	A	T851-185 / 9.7
3210-16 (2)	-	T851-111 / 42.2	W65031-16	Ü	T851-432 / 23.9	W75015-16	Ü	T851-135 / 23.9
32011-16	-	T851-270 / 20.5	W65031-20	A	T85-478 / 8.9	W75017-16	A	T851-185 / 9.7
32012-16	-	T851-270 / 20.5	W65031-20	Ü	T851-424 / 23.5	W75017-16	Ü	T851-135 / 23.9
32013-16	-	T851-270 / 20.5	W65211-16	A	T851-185 / 9.7	W75021-16	A	T851-286 / 9.7
32014-16	-	T851-270 / 20.5	W65211-16	Ü	T851-135 / 23.9	W75021-16	Ü	T851-236 / 23.9
32021-16 (1)	-	T851-270 / 20.5	W65211-20	A	T851-175 / 8.9	W75021-20	A	T85-270 / 8.9
32021-16 (2)	-	T851-270 / 18.5	W65211-20	Ü	T851-121 / 23.5	W75021-20	Ü	T85-225 / 23.5
32022-16 (1)	-	T851-270 / 20.5	W65212-16	A	T851-185 / 9.7	W75031-16	A	T85-478 / 9.7
32022-16 (2)	-	T851-270 / 18.5	W65212-16	Ü	T851-135 / 23.9	W75031-16	Ü	T851-432 / 23.9
32111-16	-	T851-236 / 27.3	W65221-16	A	T851-286 / 9.7	W75031-20	A	T85-478 / 8.9
32112-16	-	T851-236 / 27.3	W65221-16	Ü	T851-236 / 23.9	W75031-20	Ü	T851-424 / 23.5
32121-16	-	T851-236 / 27.3	W65221-20	A	T85-270 / 8.9	W75211-16	A	T851-185 / 9.7
32131-16 (1)	-	T851-236 / 27.3	W65221-20	Ü	T85-225 / 23.5	W75211-16	Ü	T851-135 / 23.9
32131-16 (2)	-	T851-236 / 25.3	W65231-16	A	T85-478 / 9.7	W75211-20	A	T851-175 / 8.9
32132-16 (1)	-	T851-236 / 27.3	W65231-16	Ü	T851-432 / 23.9	W75211-20	Ü	T851-121 / 23.5
32132-16 (2)	-	T851-236 / 25.3	W65231-20	A	T85-478 / 8.9	W75221-16	A	T851-286 / 9.7
32142-16	-	T851-121 / 23.2	W65231-20	Ü	T851-424 / 23.5	W75221-16	Ü	T851-236 / 23.9
32143-16 (1)	-	T851-121 / 23.2	W65213-16	A	T851-185 / 9.7	W75221-20	A	T85-270 / 8.9
32143-16 (2)	-	T851-225 / 23.2	W65213-16	Ü	T851-135 / 23.9	W75221-20	Ü	T85-225 / 23.5
32311-16	-	T851-114 / 18.2	W65223-16	A	T851-382 / 9.7	W75231-16	A	T85-478 / 9.7
32312-16 (1)	-	T851-114 / 18.2	W65223-16	Ü	T851-334 / 23.9	W75231-16	Ü	T851-432 / 23.9
32312-16 (2)	-	T851-098 / 18.2	W65351-16	A	T851-146 / 8.5	W75231-20	A	T85-478 / 8.9
32531-12	-	T851-236 / 45.9	W65351-16	Ü	T851-175 / 27.7	W75231-20	Ü	T851-424 / 23.5
W6553-16	A	T85-225 / 9.7	W65351-20	A	T851-140 / 8.1	W75351-16	A	T851-146 / 8.5
W6553-16	Ü	T851-196 / 17.9	W65351-20	Ü	T851-165 / 26.9	W75351-16	Ü	T851-175 / 27.7
W65011-16	A	T851-185 / 9.7	W65361-16	A	T851-246 / 8.5	W75351-20	A	T851-140 / 8.1
W65011-16	Ü	T851-135 / 23.9	W65361-16	Ü	T851-280 / 27.7	W75351-20	Ü	T851-165 / 26.9
W65011-20	A	T851-175 / 8.9	W65361-20	A	T851-240 / 8.1	W75361-16	A	T851-246 / 8.5
W65011-20	Ü	T851-121 / 23.5	W65361-20	Ü	T85-270 / 26.9	W75361-16	Ü	T851-280 / 27.7
W65015-16	A	T851-185 / 9.7	W65363-16	A	T851-246 / 8.5	W75361-20	A	T851-240 / 8.1
W65015-16	Ü	T851-135 / 23.9	W65363-16	Ü	T851-280 / 27.7	W75361-20	Ü	T85-270 / 26.9
W65016-16	A	T851-185 / 9.7	W65381-16	A	T851-445 / 8.5	W75363-16	A	T851-246 / 8.5
W65016-16	Ü	T851-135 / 23.9	W65381-16	Ü	T85-478 / 27.7	W75363-16	Ü	T851-280 / 27.7
W65012-16	A	T851-185 / 9.7	W65381-20	A	T851-437 / 8.1	W75381-16	A	T851-445 / 8.5
W65012-16	Ü	T851-135 / 23.9	W65381-20	Ü	T85-468 / 26.9	W75381-16	Ü	T85-478 / 27.7
W65016-16	A	T851-185 / 9.7	W65391-20	A	T851-412 / 8.1	W75381-20	A	T851-437 / 8.1
W65016-16	Ü	T851-135 / 23.9	W65391-20	Ü	T85-498 / 23.9	W75381-20	Ü	T85-468 / 26.9
W65018-16	A	T851-185 / 9.7	W7553-16	A	T85-225 / 9.7	W75391-20	A	T851-412 / 8.1
W65018-16	Ü	T851-135 / 23.9	W7553-16	Ü	T851-196 / 17.9	W75391-20	Ü	T85-498 / 23.9

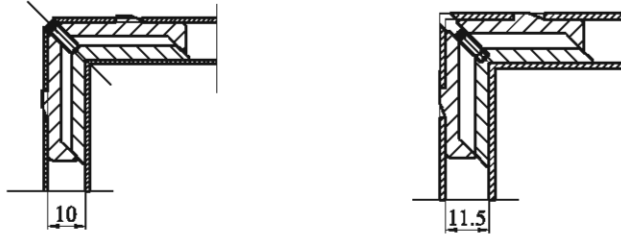
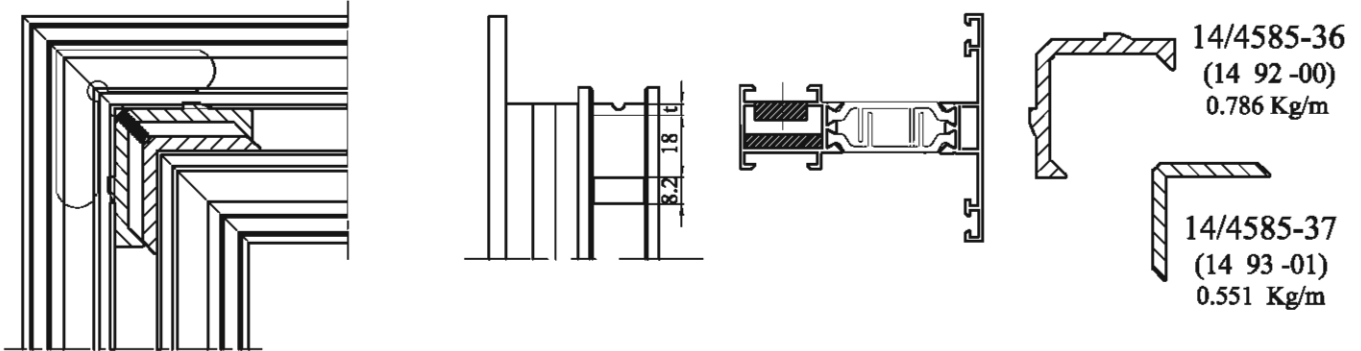
T90 -1 KÖŞE TAKOZU UYGULAMASI (25-35mm Arası)



T90-2 KÖŞE TAKOZU UYGULAMASI (13-18mm Arası)



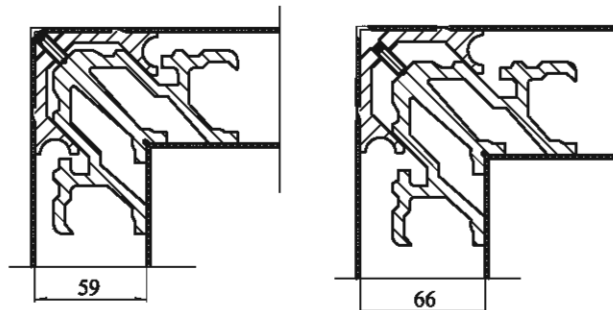
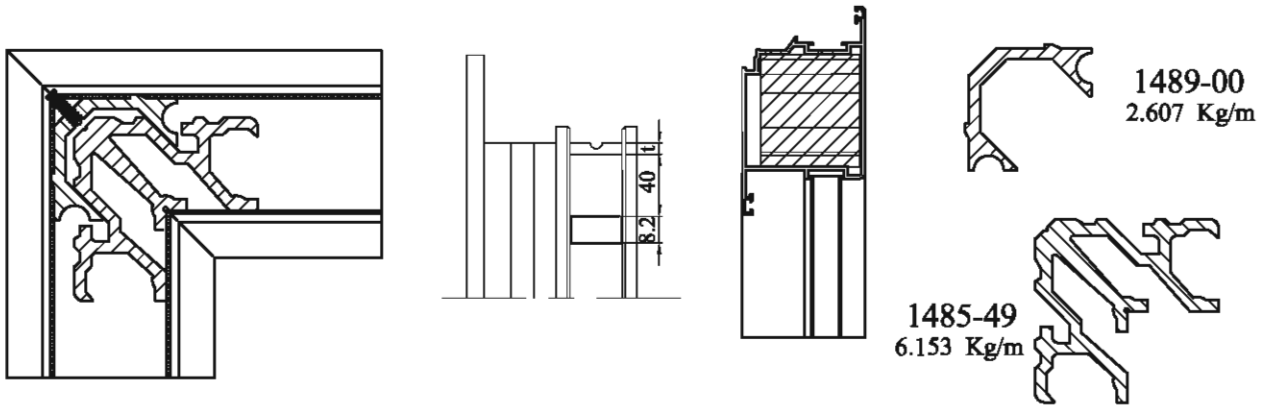
T90 -3 KÖŞE TAKOZU UYGULAMASI (10-11.5mm Arası)



M3 x 10 Setskur Civata Kullanılmaktadır
Ölçek 1/1

t = Et Kalınlığı
ÖLÇEK 1/2

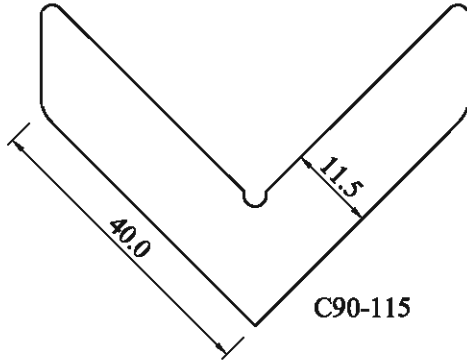
T90-4 KÖŞE TAKOZU UYGULAMASI (59-66mm Arası) (1238-20 ve 1239-20 profilleri ile kullanılır)



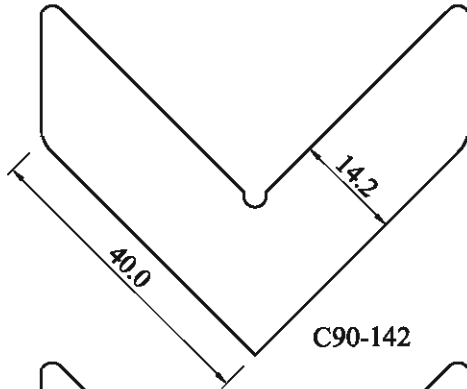
M6 x 20 Setskur Civata Kullanılmaktadır
Ölçek 1/1

t = Et Kalınlığı
ÖLÇEK 1/4

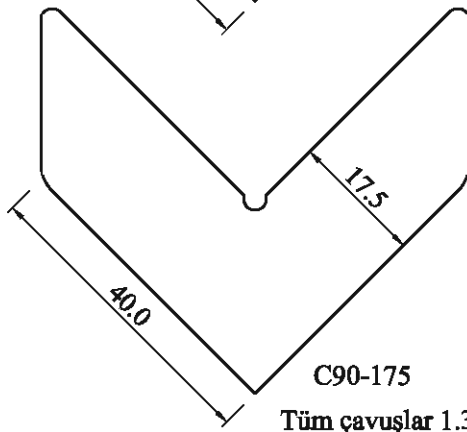
Çavuş Gönyeler Set-Square



C90-115



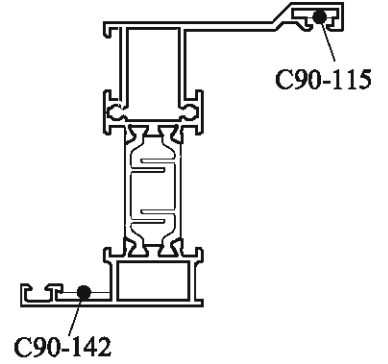
C90-142



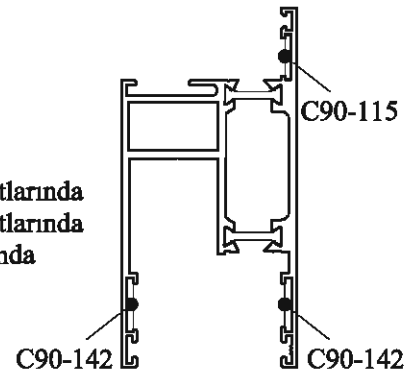
C90-175

Tüm çavuşlar 1.3mm, 1.5mm ve 1.8mm olmak üzere 3 farklı kalınlıkta üretilmektedir.

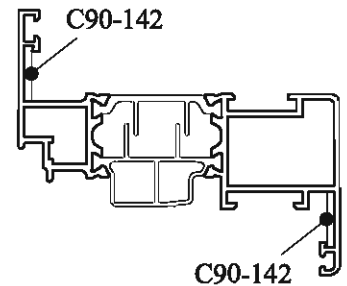
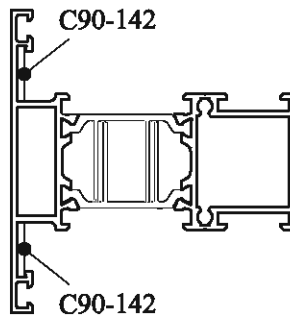
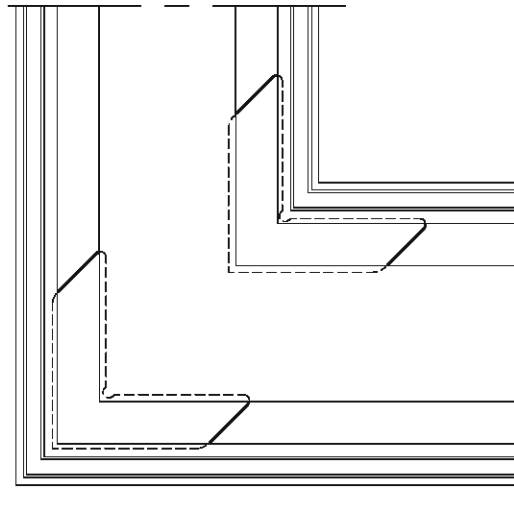
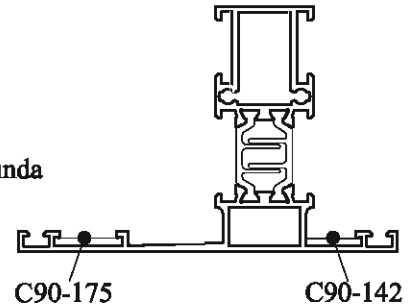
32142-16 (İç)
32143-16 (İç)
32311-16
32312-16
W75017-16 (Dış)

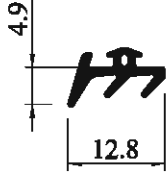
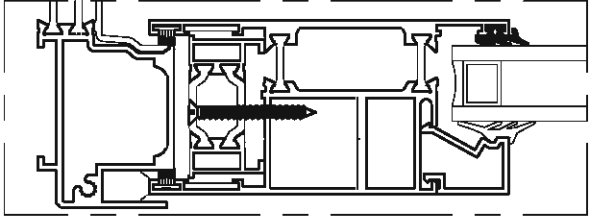
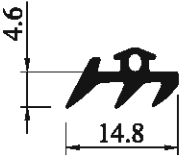
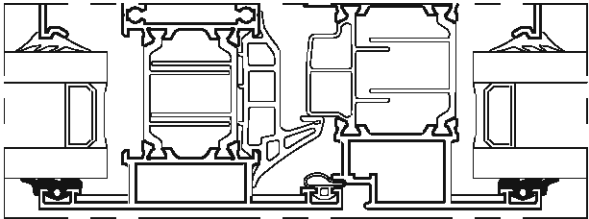
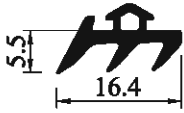
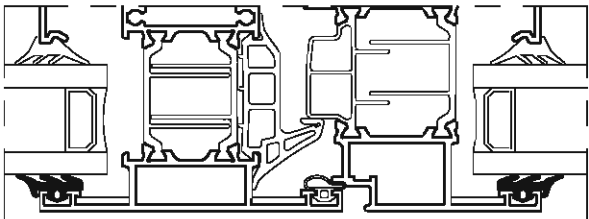
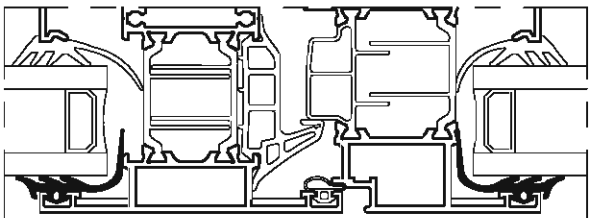
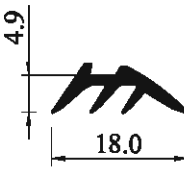
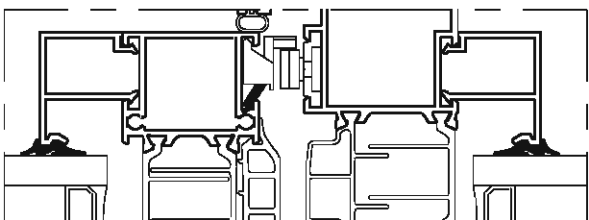
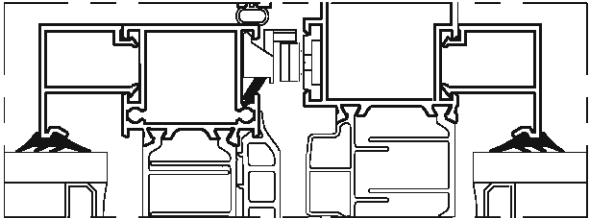
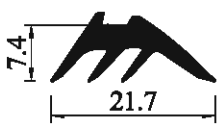
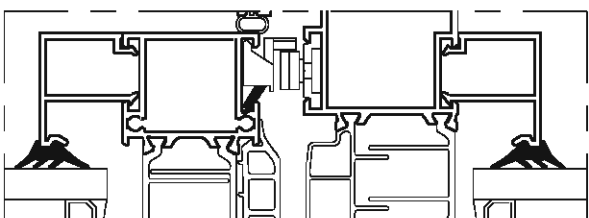


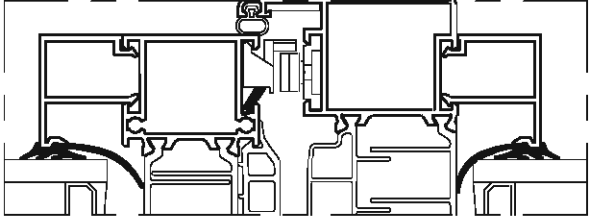
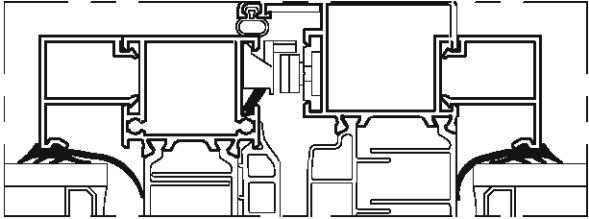
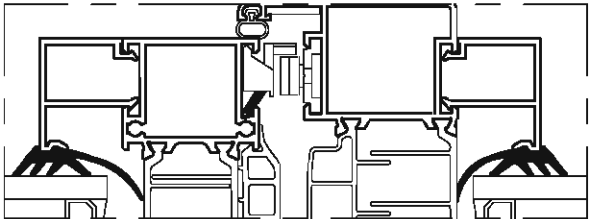
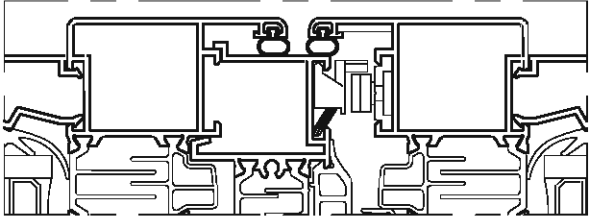
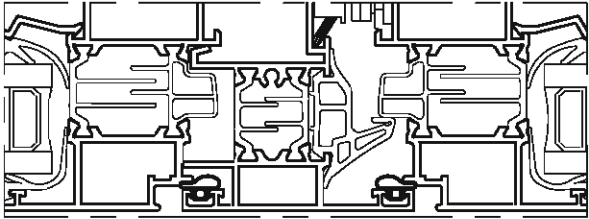
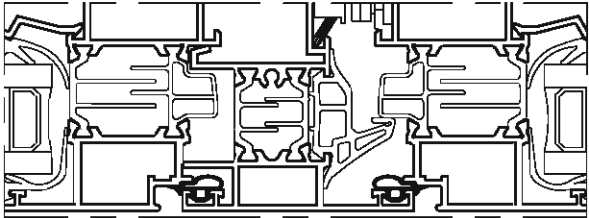
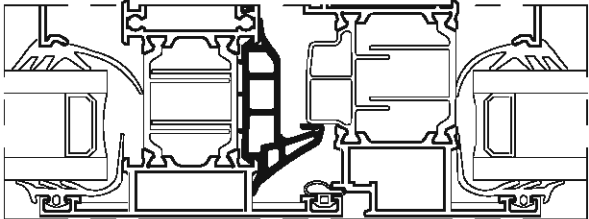
32142-16 (Dış)
32143-16 (Dış)
W75 Sistem: Kasa, kanat ve orta kayıtlarında
W65 Sistem: Kasa, kanat ve orta kayıtlarında
W65 Sistem: Gizli kanat kasalarında

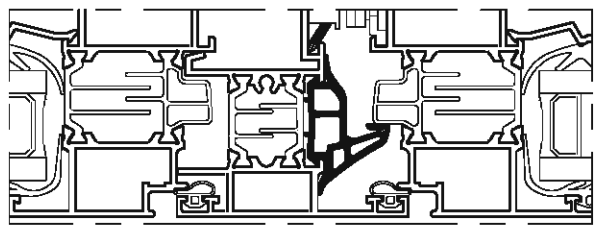
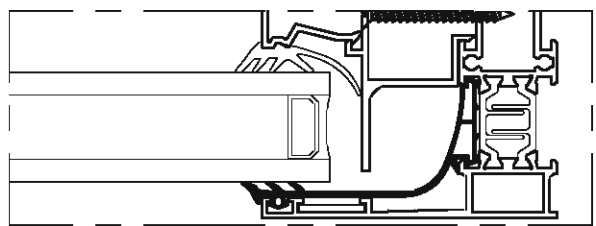
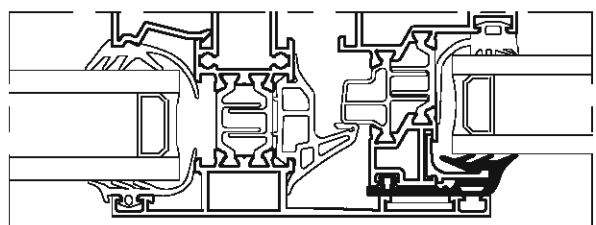
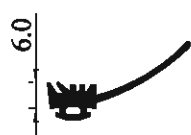
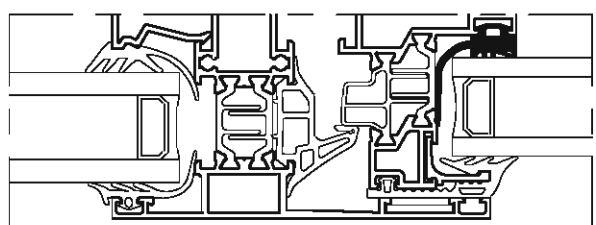
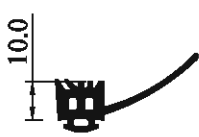
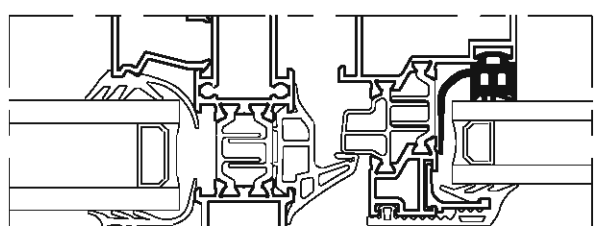
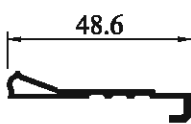
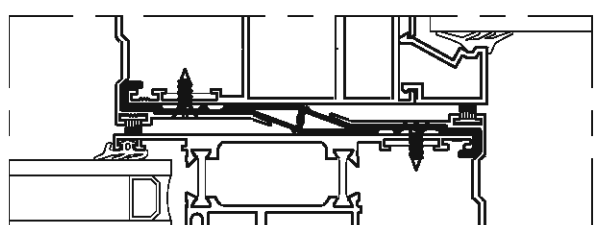
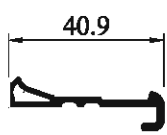
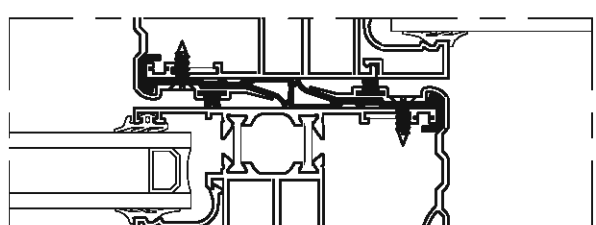


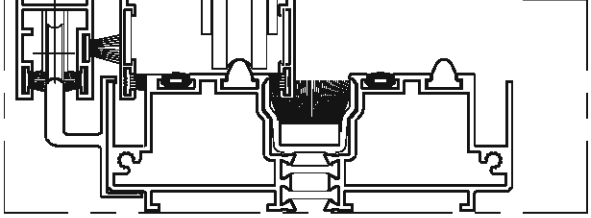
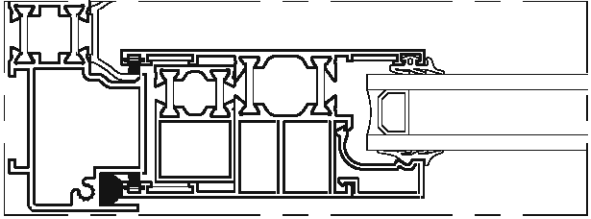
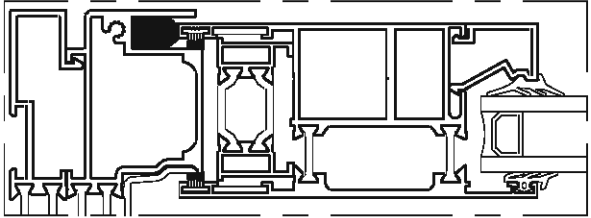
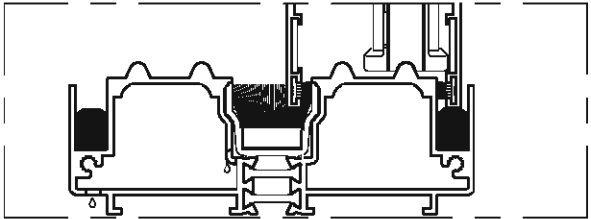
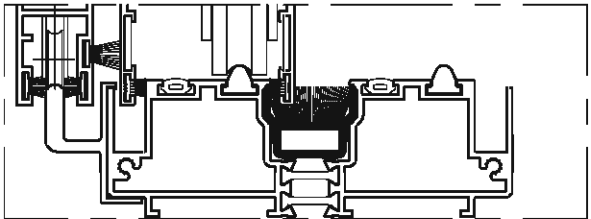
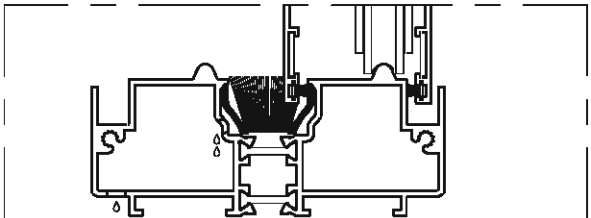
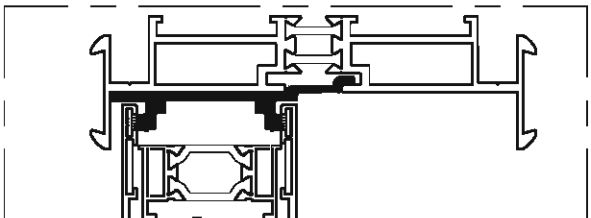
W65 Sistem: Gizli kanat kasalarında

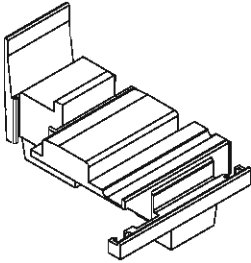
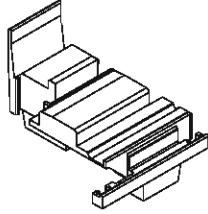
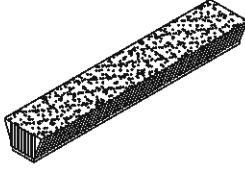
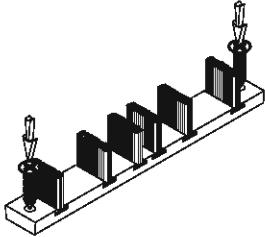
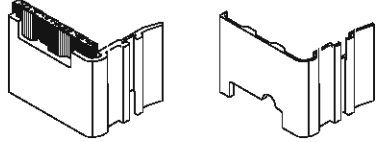
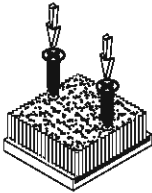
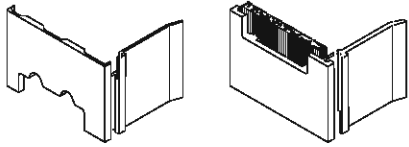
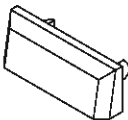


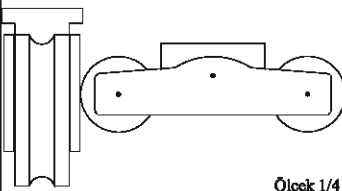
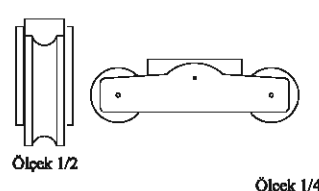
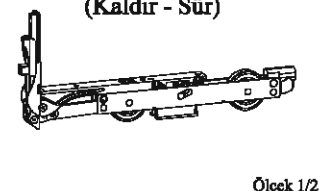
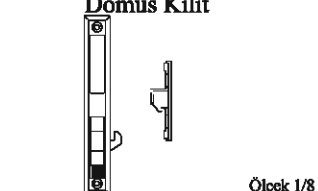
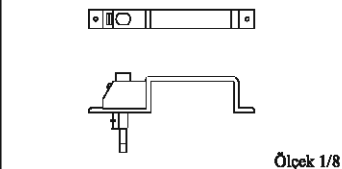
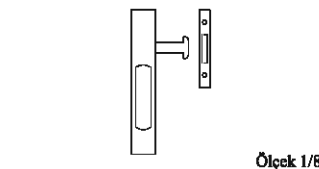
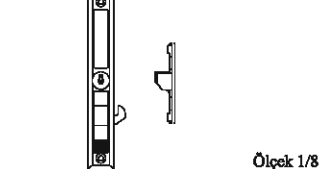
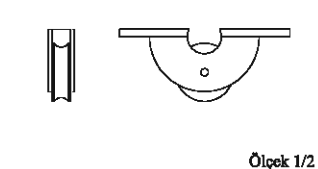
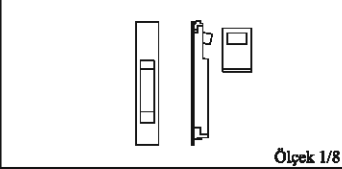
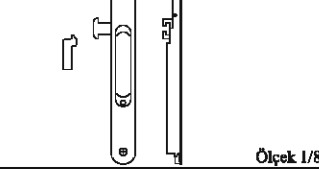
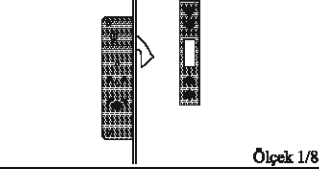
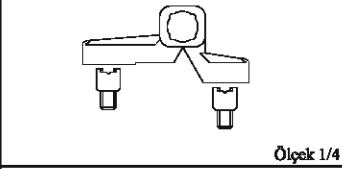
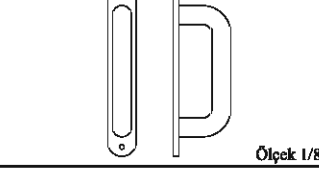
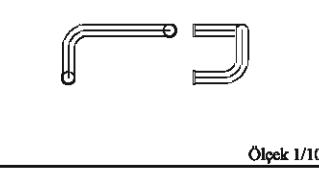
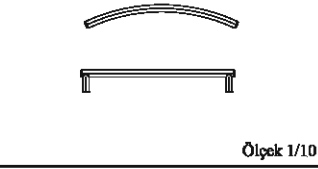
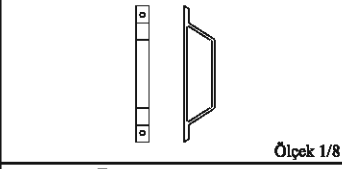
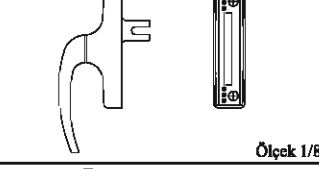
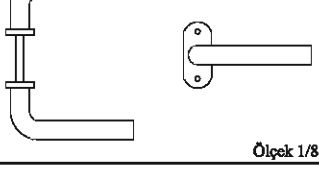
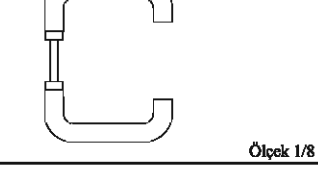
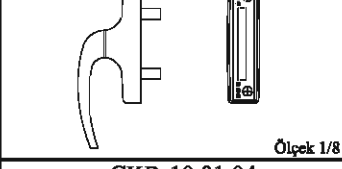
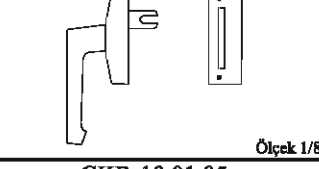
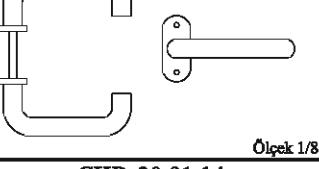
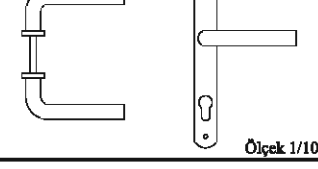
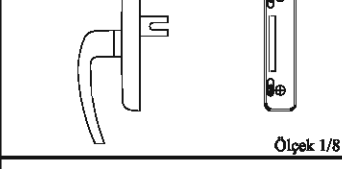
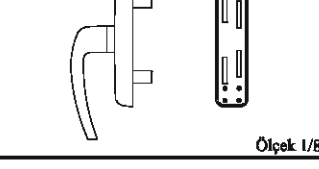
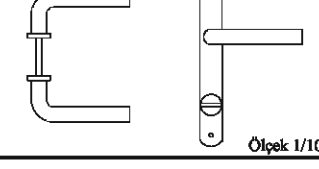
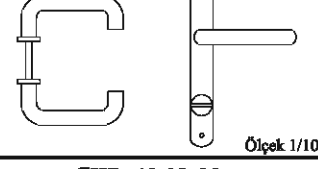
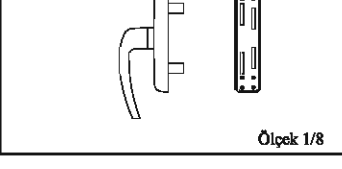
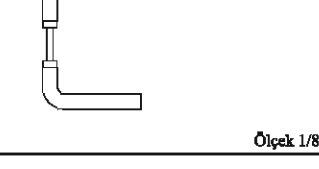
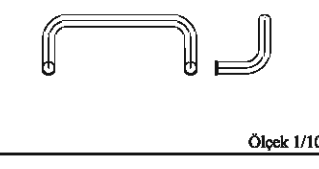
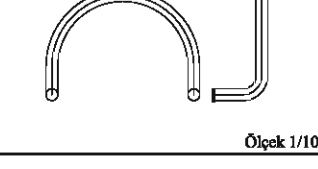
Aksesuar Kodu	Aksesuar Resmi	Kullanılan Alan	Montaj Çizimi
SF-06 1Koli 15kg / 333m = 45gr/m		Sürme Seri Dış Cam Fiteli (2.5mm - 3.5 mm)	
F-06 1Koli 15kg / 272m = 55.0gr/m		Dış Cam Fiteli (2.5mm - 3.5mm)	
F-06A 1Koli 15kg / 223m = 67gr/m		Dış Cam Fiteli (3.5mm - 5.0mm)	
FE-06A 1Koli 15kg / 147m = 102gr/m		Isı Yalıtımlı Dış Cam Fiteli (3.5mm - 5.0mm)	
F-07A 1Koli 15kg / 294m = 51gr/m		İç Cam Fiteli (2.5mm - 4.0mm)	
F-07 1Koli 15kg / 227m = 66gr/m		İç Cam Fiteli (3.5mm - 5.0mm)	
F-08 1Koli 15kg / 167m = 90.0gr/m		İç Cam Fiteli (5.0mm - 6.5mm)	

Aksesuar Kodu	Aksesuar Resmi	Kullanılan Alan	Montaj Çizimi
FE-07A 1Koli 15kg / 153m = 98gr/m		Isı Yalıtımlı İç Cam Fiteli (2.5mm - 4.0mm)	
FE-07 1Koli 15kg / 131m = 114gr/m		Isı Yalıtımlı İç Cam Fiteli (3.5mm - 5.0mm)	
FE-08 1Koli 15kg / 108m = 138gr/m		Isı Yalıtımlı İç Cam Fiteli (5.0mm - 6.5mm)	
F-11 1Koli 12kg / 500m = 24gr/m		Kanat Fiteli	
F-41 1Koli 12kg / 333m = 36.0gr/m		Kasa Fiteli	
F-42 1Koli 12kg / 279m = 43.0gr/m		Kasa Fiteli	
FE-75 1Koli 15kg / 50m = 298gr/m	 Ölçek 1/2	W75 Toz Fiteli	

Aksesuar Kodu	Aksesuar Resmi	Kullanılan Alan	Montaj Çizimi
FE-65 1Koli 15kg / 61m = 242gr/m	 Ölçek 1/2	W65 Toz Fitili	
FE-65G 1Koli 15kg / 63m = 235gr/m	 Ölçek 1/2	W65 Gizli Kanat Sabit Cam Toz Fitili	
FE-1G 1Koli 15kg / 64m = 233gr/m.	 Ölçek 1/2	Gizli Kanat Dış Cam Fitili	
FE-33 1Koli 15kg / 98m = 152gr/m	 Ölçek 1/2	Gizli Kanat Kanat Cam fitili	
FE-35 1Koli 15kg / 77m = 194gr/m	 Ölçek 1/2	Gizli Kanat Kanat Cam Fitili	
SF-232 1Koli 15kg / 112m = 133gr/m	 Ölçek 1/2	Geniş Sürme Kenet İzolasyon Fitili	
SF-233 1Koli 15kg / 116m = 129gr/m	 Ölçek 1/2	Dar Sürme Kenet İzolasyon Fitili	

Aksesuar Kodu	Aksesuar Resmi	Kullanılan Alan	Montaj Çizimi
SF-112 1Koli 15kg / 517m = 29gr/m		Kanal Kapatma Fitolu (Geniş sürmede kullanılır.)	
SF-311 1Koli 15kg / 300m = 50gr/m		Dar Sürme E.P.D.M. Tampon (5cm) (Yan kasada kullanılır.)	
SF-312 1Koli 15kg / 122m = 123gr/m		Geniş Sürme E.P.D.M. Tampon (5cm) (Yan kasada kullanılır.)	
SF-313 1Koli 15kg / 138m = 109gr/m		Geniş Sürme (HEBE - SCHIEBE) E.P.D.M. Tespit Tamponu (Kanal boyunca kullanılır.)	
SF-211 1 Adet = 6m		Kanal Plastiği (Geniş sürme alt, yan ve üst kasada kullanılır.) (Dar sürme üst ve yan kasada kullanılır.)	
SF-213 1 Adet = 6m		Kanal Plastiği (Geniş sürme alt ve yan kasada kullanılır.) (Dar sürme üst ve yan kasada kullanılır.)	
SF-221 1 Adet = 6m		Kanat Kapatma Plastiği (Geniş Sürme Alternatif Yan Kasa)	

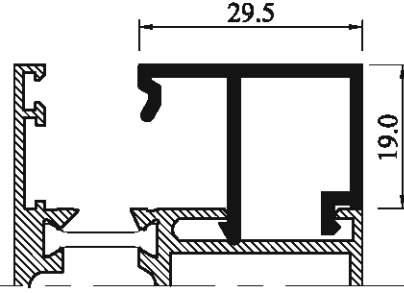
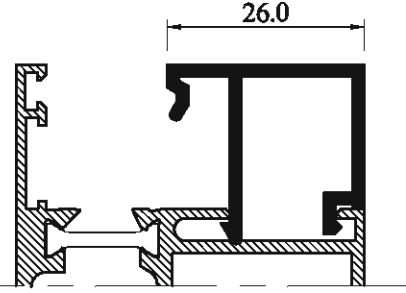
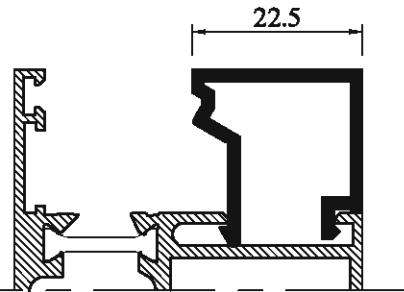
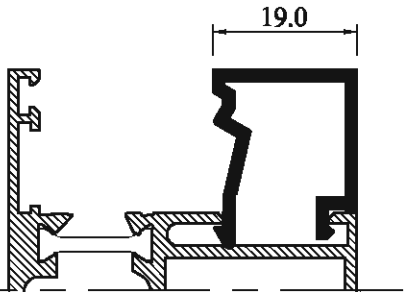
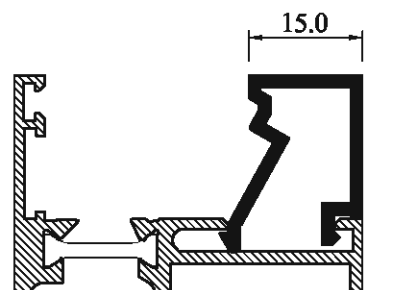
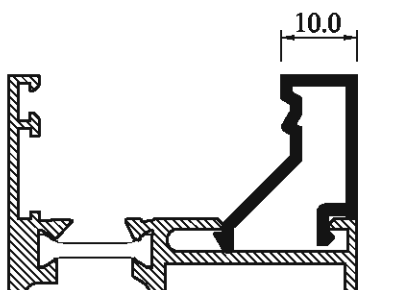
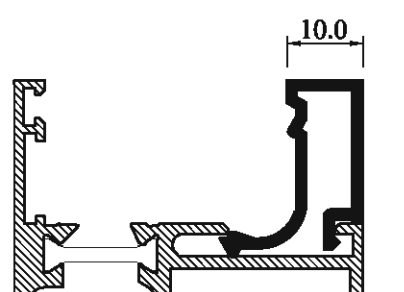
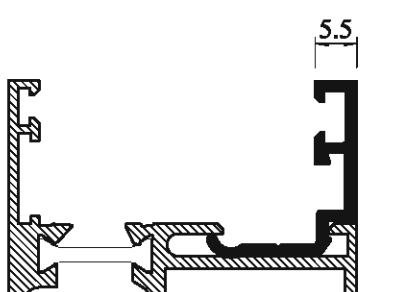
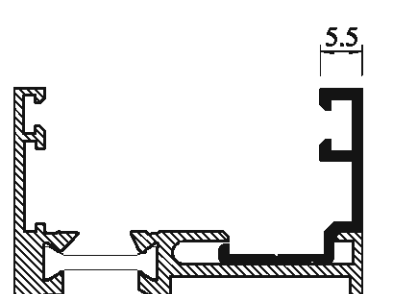
Aksesuar Kodu	Aksesuar Resmi	Aksesuar Kodu	Aksesuar Resmi
<u>FP-75</u>	 W75 Çift Kanat Pencere Adaptör Plastiği	<u>FP-65</u>	 W65 Çift Kanat Pencere Adaptör Plastiği
<u>SPF-011</u>	 Dar Sürme Kanat Alın Kapatma Kıl Fiteli (Alt kasada kullanılır.)	<u>SPF-012</u>	 Dar ve Geniş Sürme Kanat Alın Kapatma Kıl Fitel Plastiği (Dar sürmede üst kasada kullanılır. Geniş sürmede ise hem alt hemde üst kasada kullanılır.)
<u>SPF-532</u>	 Dar Sürme Kanat Birleşim Kıl Fitel Plastiği (32532-12 ile kullanılır.)	<u>SPF-511</u>	 Dar Sürme Kanat Alın Kapatma (Kenet) Kıl Fitel Plastiği (32511-12 ile kullanılır.)
<u>SPF-15</u>	 Geniş Sürme Kanat Birleşim Kıl Fitel Plastiği (3215-12 ile kullanılır.)	<u>SPF-17</u>	 Geniş Sürme Kanat Alın Kapatma (Kenet) Kıl Fitel Plastiği (3217-12 ile kullanılır.)
<u>FP-01</u>	 Yağmur Tahliye Tapası		

S32 Geniş Sürme Makara  Ölçek 1/4	S32 Dar Sürme Makara  Ölçek 1/2	Hebe -Schiebe Mekanizma (Kaldır - Sür)  Ölçek 1/2	KL-301B / 301S / 301K / 301G Domus Kilit  Ölçek 1/8
CKR-30.01.05 Tetik Kol  Ölçek 1/8	CKR-30.01.03 Havuzlu Kilit  Ölçek 1/8	KL-302B / 302S / 302K / 302G Domus Kilit  Ölçek 1/8	DLR-1557 Sineklik Makara  Ölçek 1/2
CKR-30.01.04 Havuzlu Kilit  Ölçek 1/8	CKR-30.01.07 Havuzlu Kilit  Ölçek 1/8	KL-201F Silindirli Gömme Kilit (Dar Tip)  Ölçek 1/8	CKR-80.04.05 Klepsli Kol  Ölçek 1/2
CKR-50.03.03 CKR-50.03.04  Ölçek 1/4	CKR-30.01.02 Sürme Çekme Kol  Ölçek 1/8	CKR-40.04.00 Baston kol  Ölçek 1/10	CKR-40.08.00 Yay kol  Ölçek 1/10
CKR-30.01.06 D Kol  Ölçek 1/8	CKR-10.01.01 Eksenel kol tekli  Ölçek 1/8	CKR-20.01.02 Sosis kol düz rozetli  Ölçek 1/8	CKR-20.01.03 Sosis kol kıvrık  Ölçek 1/8
CKR-10.01.02 Eksenel kol çiftli  Ölçek 1/8	CKR-10.01.03 Eksenel kol  Ölçek 1/8	CKR-20.01.04 Sosis kol kıvrık rozetli  Ölçek 1/8	CKR-20.01.05 Sosis kol düz aynalı  Ölçek 1/10
CKR-10.01.04 Eksenel kol tek dilli  Ölçek 1/8	CKR-10.01.05 Eksenel kol çift dilli  Ölçek 1/8	CKR-20.01.14 WC kol aynalı  Ölçek 1/10	CKR-20.01.27 WC aynalı kıvrık kol  Ölçek 1/10
CKR-10.01.07 Eksenel kol çift dilli anahtarlı  Ölçek 1/8	CKR-20.01.01 Sosis kol düz  Ölçek 1/8	CKR-40.01.00 Kıvrık boru kol  Ölçek 1/10	CKR-40.02.00 Yarım ay boru kol  Ölçek 1/10

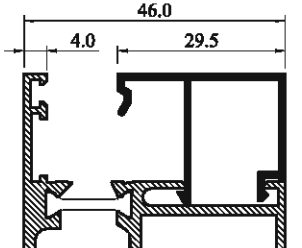
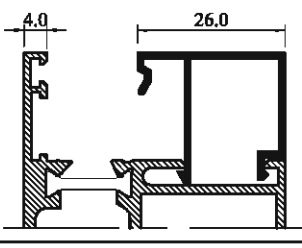
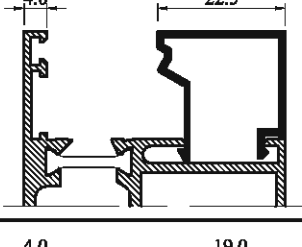
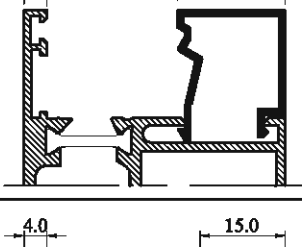
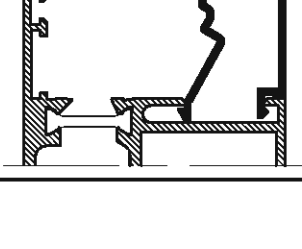
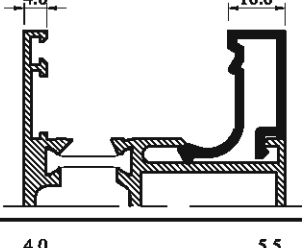
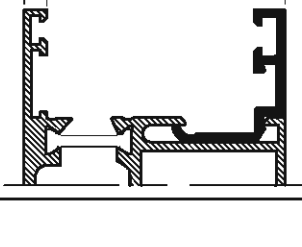
Euro Comfort Sürme Sistemleri (S32) Cam Çıtalı

"-" işaretinden sonraki 2 hane et kalınlıđını gösterir. (1445-15 Çıtası 1.5mm et kalınlıđındadır.)

W75 ve W65 sistemlerinde kullanılan cam çıtalrı 22mm yüksekliđindedir. Sürme sistemlerindeki ve diđer tüm Gençer sistemlerindeki cam çıtalrı 19mm yüksekliđindedir dolayısıyla bu çıtalr W75 ve W65 sistemlerinde kullanılmaz.

1443-10 0.236 Kg/m		1442-10 0.226 Kg/m	
1443-13 0.301 Kg/m		1442-13 0.288 Kg/m	
1443-15 0.345 Kg/m		1442-15 0.330 Kg/m	
1443-20 0.429 Kg/m		1442-20 0.424 Kg/m	
1441-10 0.207 Kg/m		1440-10 0.196 Kg/m	
1441-13 0.264 Kg/m		1440-13 0.249 Kg/m	
1441-15 0.302 Kg/m		1440-15 0.286 Kg/m	
1441-20 0.394 Kg/m		1440-20 0.359 Kg/m	
1448-10 0.188 Kg/m			1449-13 0.195 Kg/m
1448-13 0.240 Kg/m			
1448-15 0.275 Kg/m			
1448-20 0.351 Kg/m			
14491-13 0.240 Kg/m		14471-16 0.199 Kg/m	
1447-12 0.169 Kg/m			

S32 GENİŞ SÜRME Cam Fitili & Çıta Seçim Tablosu

Cam Ölçüsü	Kullanılabilir Cam Fitilleri		Elemanların Ölçüleri				Toplam	Kullanılan Çıta Kodu	Uygulama Resmi
	Dış Cam Fitili	İç Cam Fitili	Cam (mm)	Dış Cam Fitili	İç Cam Fitili	Cam Çıtası			
4.0 mm	SF-06	F-08	3.0	4.0	5.5	29.5	42.0 mm	1443-00	
5.0 mm	SF-06	F-07	3.0	5.0	4.5	29.5			
6.0 mm	SF-06	F-07A	3.0	6.0	3.5	29.5			
7.0 mm	SF-06	F-08	3.0	7.0	6.0	26.0		1442-00	
8.0 mm	SF-06	F-08 / F-07	3.0	8.0	5.0	26.0			
9.0 mm	SF-06	F-07 / F-07A	3.0	9.0	4.0	26.0			
10.0 mm	SF-06	F-08	3.0	10.0	6.5	22.5		1441-00	
11.0 mm	SF-06	F-08	3.0	11.0	5.5	22.5			
12.0 mm	SF-06	F-08 / F-07	3.0	12.0	4.5	22.5			
13.0 mm	SF-06	F-07 / F-07A	3.0	13.0	3.5	22.5			
14.0 mm	SF-06	F-08	3.0	14.0	6.0	19.0		1440-00	
15.0 mm	SF-06	F-08 / F-07	3.0	15.0	5.0	19.0			
16.0 mm	SF-06	F-07 / F-07A	3.0	16.0	4.0	19.0			
17.0 mm	SF-06	F-07A	3.0	17.0	3.0	19.0			
18.0 mm	SF-06	F-08	3.0	18.0	6.0	15.0		1448-00	
19.0 mm	SF-06	F-08 / F-07	3.0	19.0	5.0	15.0			
20.0 mm	SF-06	F-07 / F-07A	3.0	20.0	4.0	15.0			
21.0 mm	SF-06	F-07A	3.0	21.0	3.0	15.0			
22.0 mm	SF-06	F-08	3.5	22.0	6.5	10.0			
23.0 mm	SF-06	F-08	3.0	23.0	6.0	10.0		14491-13	
24.0 mm	SF-06	F-08 / F-07	3.0	24.0	5.0	10.0			
25.0 mm	SF-06	F-07 / F-07A	3.0	25.0	4.0	10.0			
26.0 mm	SF-06	F-07A	3.0	26.0	3.0	10.0			
27.0 mm	SF-06	F-08	3.5	27.0	6.5	5.5		14471-16	
28.0 mm	SF-06	F-08	3.0	28.0	5.5	5.5			
29.0 mm	SF-06	F-08 / F-07	3.0	29.0	4.5	5.5			
30.0 mm	SF-06	F-07A	3.0	30.0	3.5	5.5			

W75-W65 SİSTEMLERİNDE ISI İLETİM DEĞERLERİ VE HESAPLAMALARI

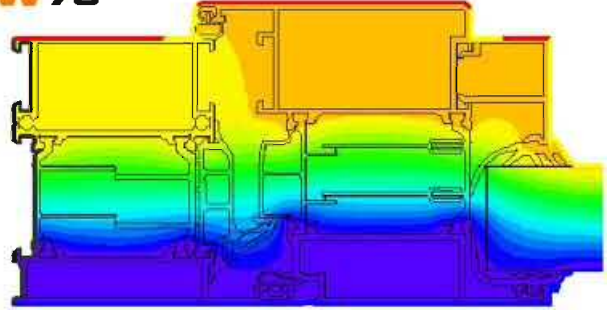
Uf : profilin ısı iletim katsayısı Ug : camın ısı iletim katsayısı Uw : pencerenin ısı iletim katsayısı
Uf ve Lf değerlerini kullanarak Uw hesaplamak için bkz. sayfa 47
(Ug = 1.5 W/(m².K) olmak üzere alanca %75'i cam olan pencerenin Uw değeri aşağıda verilmiştir)

W75



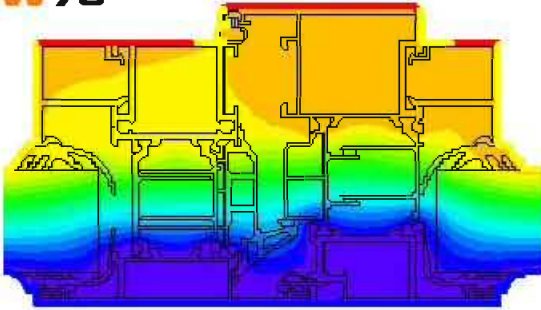
Kasa: 75021-16 Kanat: 75361-16
Lf: 110.5 mm Uf: 1.778 W/(m².K) Uw: 1.57 W/(m².K)

W75



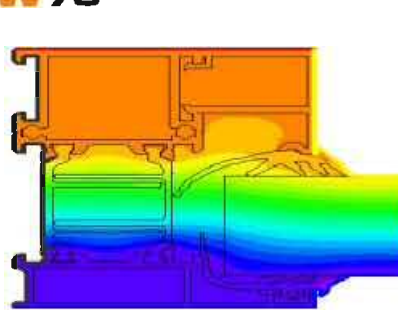
Kasa: 75031-16 Kanat: 75381-16
Lf: 150.5 mm Uf: 1.744 W/(m².K) Uw: 1.56 W/(m².K)

W75



Kasa: 75221-16 Kanat: 75361-16
Lf: 132.5 mm Uf: 1.852 W/(m².K) Uw: 1.59 W/(m².K)

W75



Kasa: 75021-16
Lf: 58 mm Uf: 1.487 W/(m².K) Uw: 1.50 W/(m².K)

W65



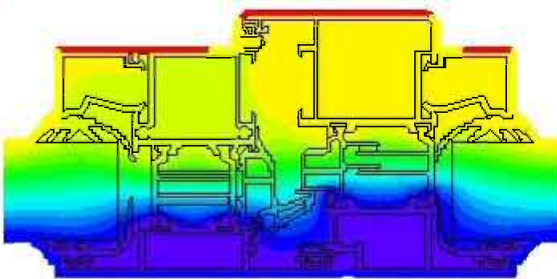
Kasa: 65021-16 Kanat: 65361-16
Lf: 110.5 mm Uf: 2.156 W/(m².K) Uw: 1.66 W/(m².K)

W65



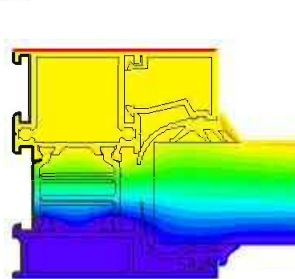
Kasa: 65031-16 Kanat: 65381-16
Lf: 150.5 mm Uf: 2.053 W/(m².K) Uw: 1.64 W/(m².K)

W65



Kasa: 65221-16 Kanat: 65361-16
Lf: 132.5 mm Uf: 2.198 W/(m².K) Uw: 1.67 W/(m².K)

W65



Kasa: 65021-16
Lf: 58 mm Uf: 1.925 W/(m².K) Uw: 1.61 W/(m².K)

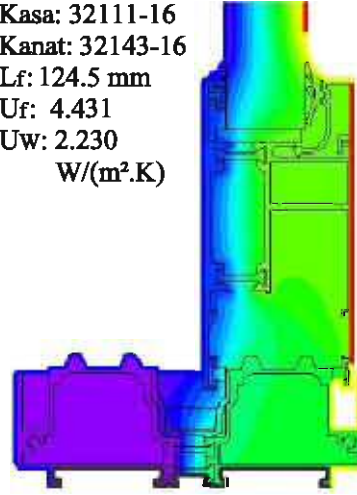
W65

Kasa: 65012-16 Kanat: 65326-16
Lf: 85.0 mm Uf: 2.286 W/(m².K)
Uw: 1.170 W/(m².K)



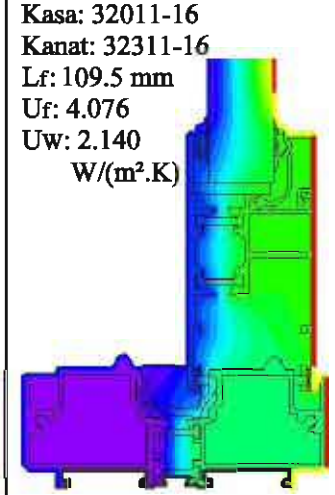
S32 GENİŞ

Kasa: 32111-16 Kanat: 32143-16
Lf: 124.5 mm Uf: 4.431
Uw: 2.230 W/(m².K)

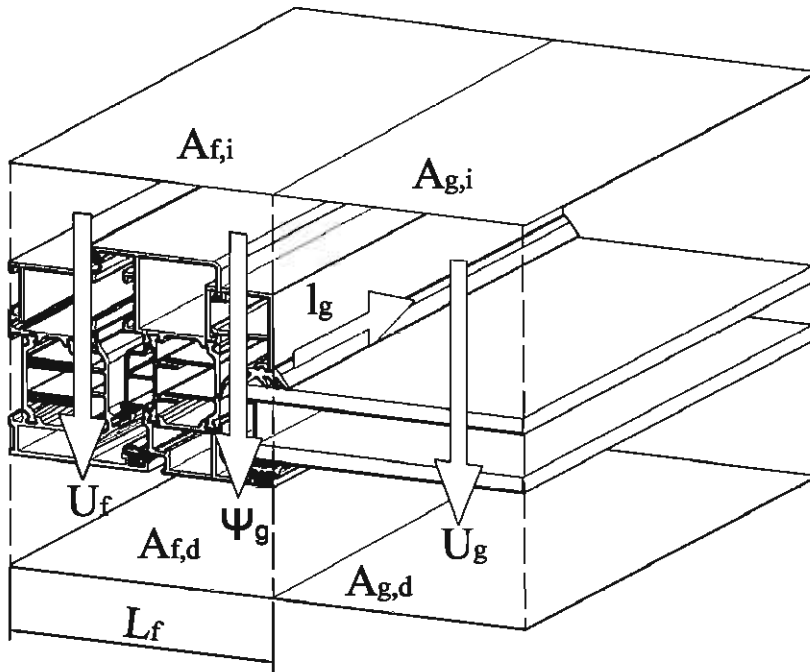


S32 DAR

Kasa: 32011-16 Kanat: 32311-16
Lf: 109.5 mm Uf: 4.076
Uw: 2.140 W/(m².K)



PENCERENİN ISIL İLETİM KATSAYISI (Uw)



$$U_w = \frac{A_g U_g + A_f U_f + l_g \Psi_g}{A_g + A_f}$$

U_w = Pencerenin Isıl İletim Katsayısı (W/m²K)
 A_g = Cam (Panel) Alanı (m²)
 U_g = Camın (Panel) Isıl İletim Katsayısı (W/m²K)
 A_f = Profilin Alanı (m²)
 U_f = Profilin Isıl İletim Katsayısı (W/m²K)
 l_g = Cam Çıtası uzunluğu (m)
 Ψ_g = Doğrusal Isıl İletim Katsayısı (W/mK)
 L_f = Profilin Uzunluğu (mm)

Ψ_g (W/mK)		ISICAM (II,III)	
		Standart	Low-E
Isıcam	Standart	0.08	0.11
Çıtası	Geliştirilmiş	0.06	0.08

Tek cam kullanımında $\Psi_g \times l_g = 1$ alınır.

(TS EN 10077-1)

ÖRNEK

Yanda ölçüleri verilen pencere için U_w değeri hesaplanırken; Sayfa 46 dikkate alınarak çerçevede farklı profil detayları için alanlar ayrı ayrı hesaplanır. Buna göre;

Mavi profil alanı $A_m = 0.18 \text{ m}^2$, $U_{fm} = 1.85 \text{ W/m}^2\text{K}$

Yeşil profil alanı $A_y = 0.26 \text{ m}^2$, $U_{fy} = 1.49 \text{ W/m}^2\text{K}$

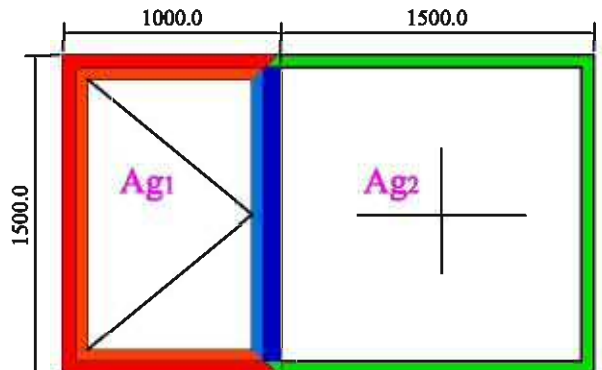
Kırmızı profil alanı $A_k = 0.35 \text{ m}^2$, $U_{fk} = 1.78 \text{ W/m}^2\text{K}$

Formülde bu değerler yerlerine konulduğunda ;

($U_g = 1.5 \text{ W/m}^2\text{K}$ olan 6+16+6 Low-E ısıcam için hesaplanacaktır.)

Cam alanı: $A_{g1} + A_{g2} = 1 + 1.96 = 2.96 \text{ m}^2$

$$U_w = \frac{(0.18 \times 1.85) + (0.26 \times 1.49) + (0.35 \times 1.78) + (2.96 \times 1.5)}{0.18 + 0.26 + 0.35 + 2.96} = 1.54 \text{ W/m}^2\text{K}$$



Ayrıntılı alan hesaplamaları yerine, yine sayfa 46 da bulunan L_f değerleri kullanılarak da çerçeve alanı yaklaşık olarak hesaplanabilir. Farklı detay ve sistemlerin ısı iletim katsayıları ve sorularınız için AR-GE bölümü ile görüşebilirsiniz.

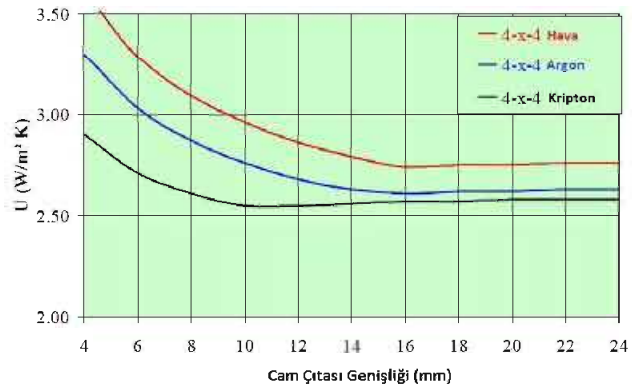
CAM SEÇİMİ İÇİN GENEL BİLGİLENDİRME

TABLO 1: Isıcam Performans Tablosu

Dış Cam + Ara Boşluk + İç Cam		Gün Işığı		Güneş Enerjisi		Isı Geçirgenlik Katsayısı (W/m²K EN 673)	
		Geçirgenlik	Yansıtma	Toplam Geçirgenlik	Gölgeleme Katsayısı	Kuru Hava	Argon
Isıcam	6 + 6 + 6	76	14	0.69	0.81	3.3	3.0
	6 + 9 + 6					3.0	2.8
	6 + 12 + 6					2.8	2.7
	6 + 16 + 6					2.7	2.6
Triple Isıcam	6 + 6 + 4 + 6 + 6	70	19	0.62	0.72	2.0	1.9
	6 + 9 + 4 + 9 + 6					1.9	1.8
Isıcam Sinerji	6 + 6 + 6 (low-e #2)	73	11	0.54	0.63	2.5	2.1
	6 + 9 + 6 (low-e #2)					2.1	1.7
	6 + 12 + 6 (low-e #2)					1.8	1.4
	6 + 16 + 6 (low-e #2)					1.5	1.3
Triple Isıcam Sinerji	6 + 6 + 4 + 6 + 6 (low-e #2)	65	15	0.50	0.58	1.9	1.6
	6 + 9 + 4 + 9 + 6 (low-e #2)					1.6	1.3
	6 + 12 + 4 + 12 + 6 (low-e #2, #5)					1.3	1.1
	6 + 6 + 4 + 6 + 6 (low-e #2, #5)	51	13	0.43	0.50	1.6	1.3
	6 + 9 + 4 + 9 + 6 (low-e #2, #5)					1.3	1.0
	6 + 12 + 4 + 12 + 6 (low-e #2, #5)					1.0	0.8
Isıcam Konfor	6 + 6 + 6	70	13	0.48	0.56	2.5	2.1
	6 + 9 + 6					2.0	1.6
	6 + 12 + 6					1.7	1.4
	6 + 16 + 6					1.4	1.2
Triple Isıcam Konfor	6 + 6 + 4 + 6 + 6	63	17	0.43	0.50	1.9	1.6
	6 + 9 + 4 + 9 + 6					1.5	1.3
	6 + 12 + 4 + 12 + 6					1.3	1.1
	6 + 6 + 4 + 6 + 6 (low-e #5)	50	15	0.38	0.44	1.6	1.3
	6 + 9 + 4 + 9 + 6 (low-e #5)					1.2	1.0
	6 + 12 + 4 + 12 + 6 (low-e #5)					1.0	0.8

Isıcam Sinerji; ısı kontrol (Low-E) kaplamalı yalıtım camı ünitesinin markasıdır. Gün ışığını engellemez.
Isıcam Konfor; ısı yalıtımı ve güneş kontrol özelliklerini bir arada sağlayan yalıtım camı ünitesinin markasıdır.

Yandaki grafikte; Ara boşlukta hava, argon veya kripton kullanıldığı durumlar için ısıcam ara boşluk genişliğinin ısı iletim katsayısı ile ilişkisi gösterilmiştir.



TABLO 2: Isıcam'da Ünite Alanına Göre En Az Cam Kalınlığı ve Ara Boşlukların Saptanması

Cam Kalınlıkları	Ara Boşluklar	Cam Ünitesinde En Uzun Kenar (mm)	Alan (m²)
3 + 3	6	1500	1.0
	9	1600	1.2
	12	1600	1.4
4 + 4	6	1600	1.5
	9	1800	2.0
	12	2000	2.6
5 + 5	6	2100	3.0
	9	2300	3.8
	12	2500	4.2
6 + 6	6	2500	5.0
	9	2700	5.8
	12	3000	6.9

- Isıcam'da standart boyut;

en az; 180 x 350 mm

en fazla; 300 x 3000 mm'dir.

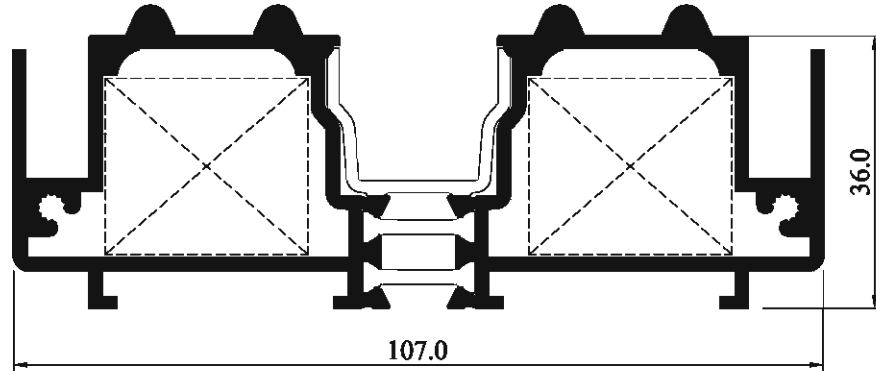
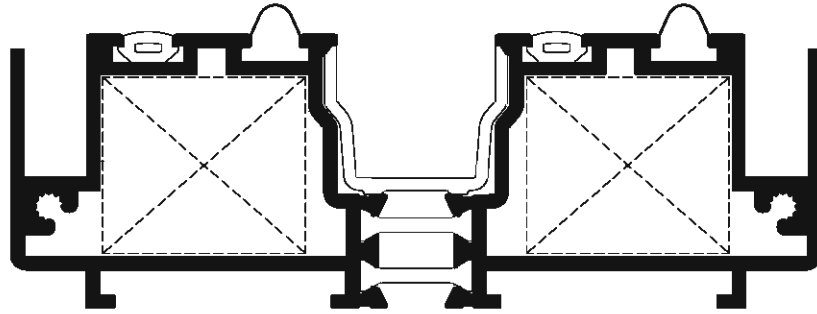
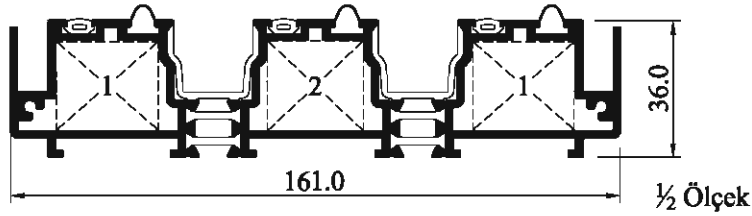
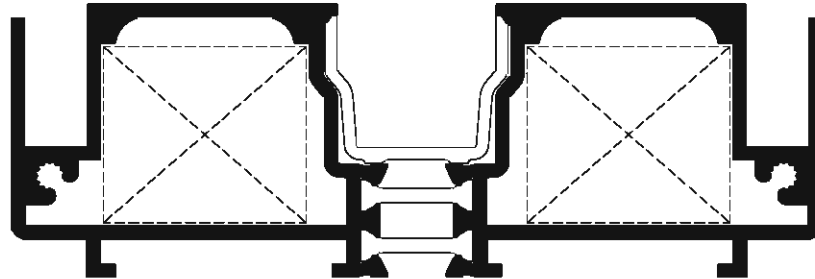
- Tablodaki cam kalınlıkları alan ve kenar uzunluğuna göre en az olması gerekenlerdir.

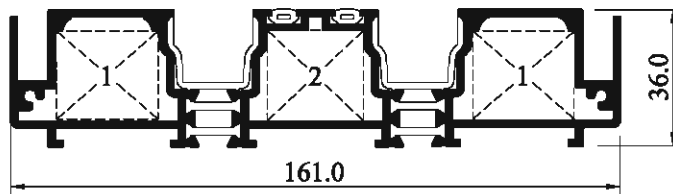
- Cam yuvası yeterli genişlikte ise ihtiyaca göre daha kalın cam ve daha geniş ara boşluk seçilebilir.

- Camın ağırlığı her mm kalınlık için 2.5 kg/m²'dir

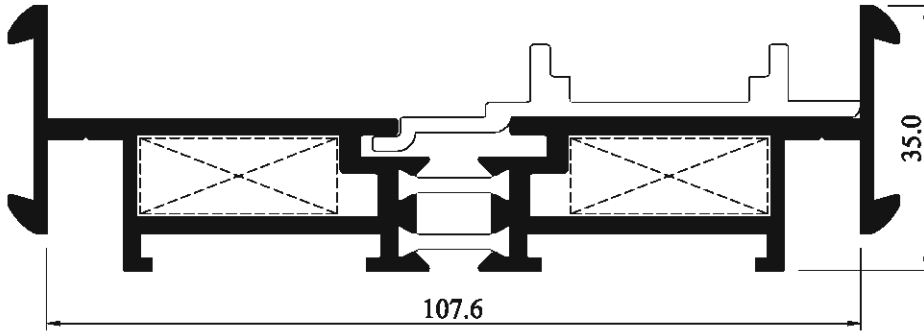


**S32
GENİŞ**

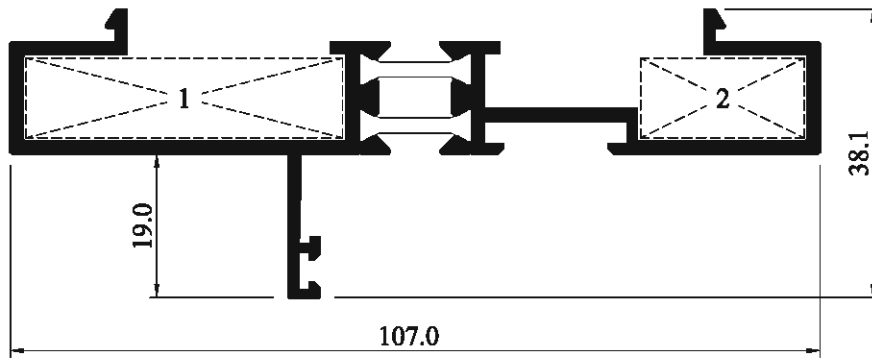
KASALAR / FRAMES
32111-16
Alt Kasa

32112-16
Alt Kasa

32121-16
Üst ve Yan Kasa
(Gönyeli Kasa)

32132-16
(Üç'lü Alt Kasa)


32371-00
Alt Kasa Rayı

32131-16
(Üç'lü Üst ve Yan Kasa)

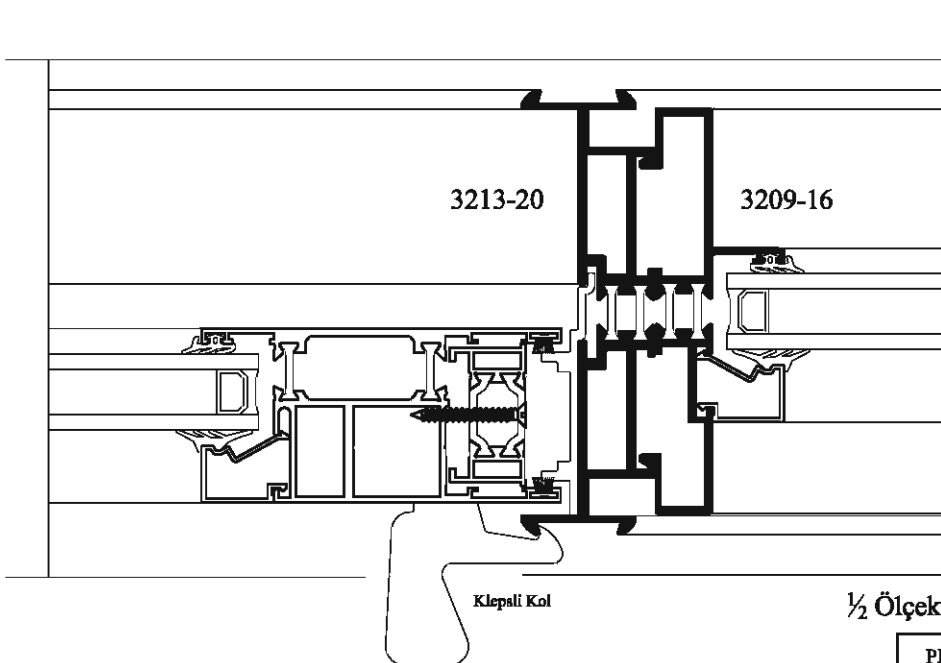
PROFİL KODU	AĞIRLIK (kg/m)	PRES TAKOZU	KESİM ÖLÇÜSÜ
32111-16	2.190	T851-240	27.3 mm
32112-16	1.950	T851-240	27.3 mm
32121-16	1.998	T851-240	27.3 mm
32131-16 (1)	2.773	T851-240	27.3 mm
32131-16 (2)		T851-240	25.3 mm
32132-16 (1)	2.754	T851-240	27.3 mm
32132-16 (2)		T851-240	25.3 mm
32371-00	0.126	-	-

KASALAR / FRAMES


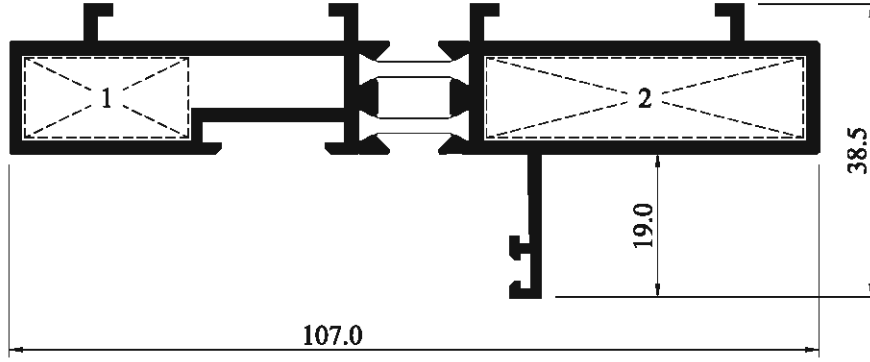
3213-20
Yan Kasa
(Vidalı Birleşim)



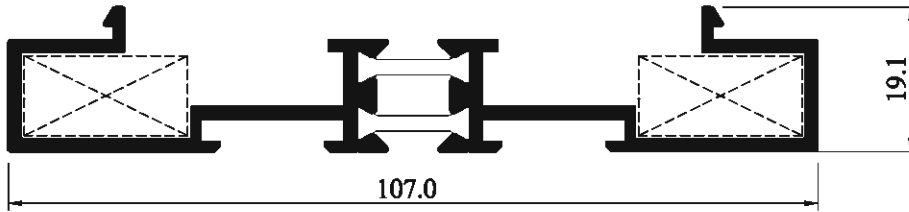
3209-16
Sabit Kasa
(Sabit Cama Geçiş Kasası)



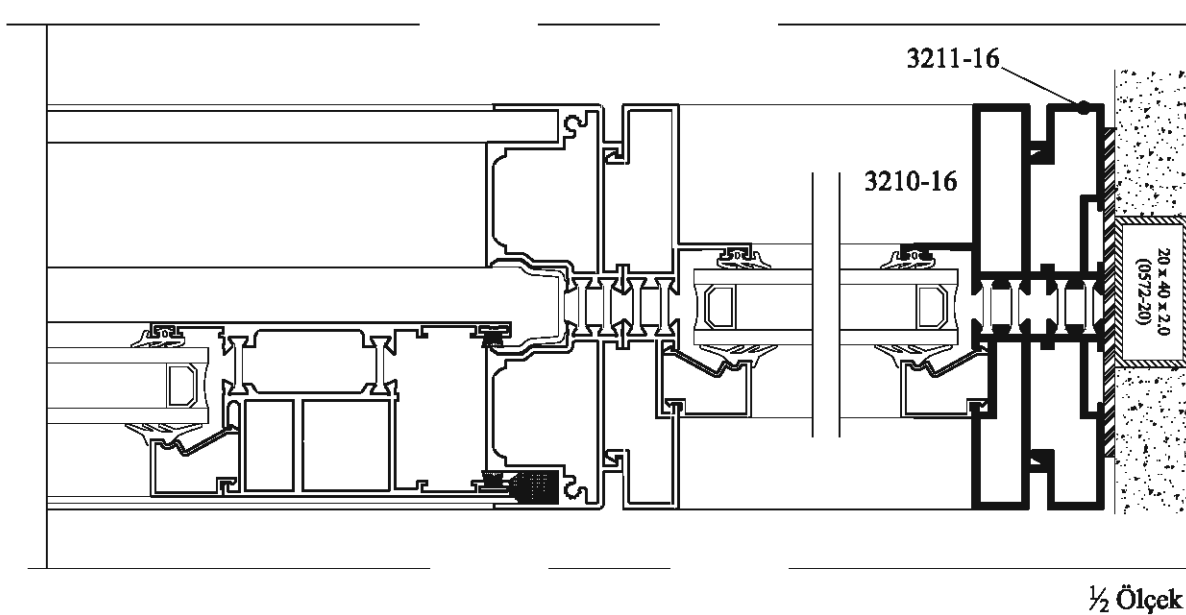
PROFİL KODU	AĞIRLIK (kg/m)	PRES TAKOZU	KESİM ÖLÇÜSÜ
3213-20	1.842	T851-106	26.5 mm
3209-16 (1)	1.171	T851-111	42.2 mm
3209-16 (2)		T851-111	22.1 mm

KASALAR / FRAMES


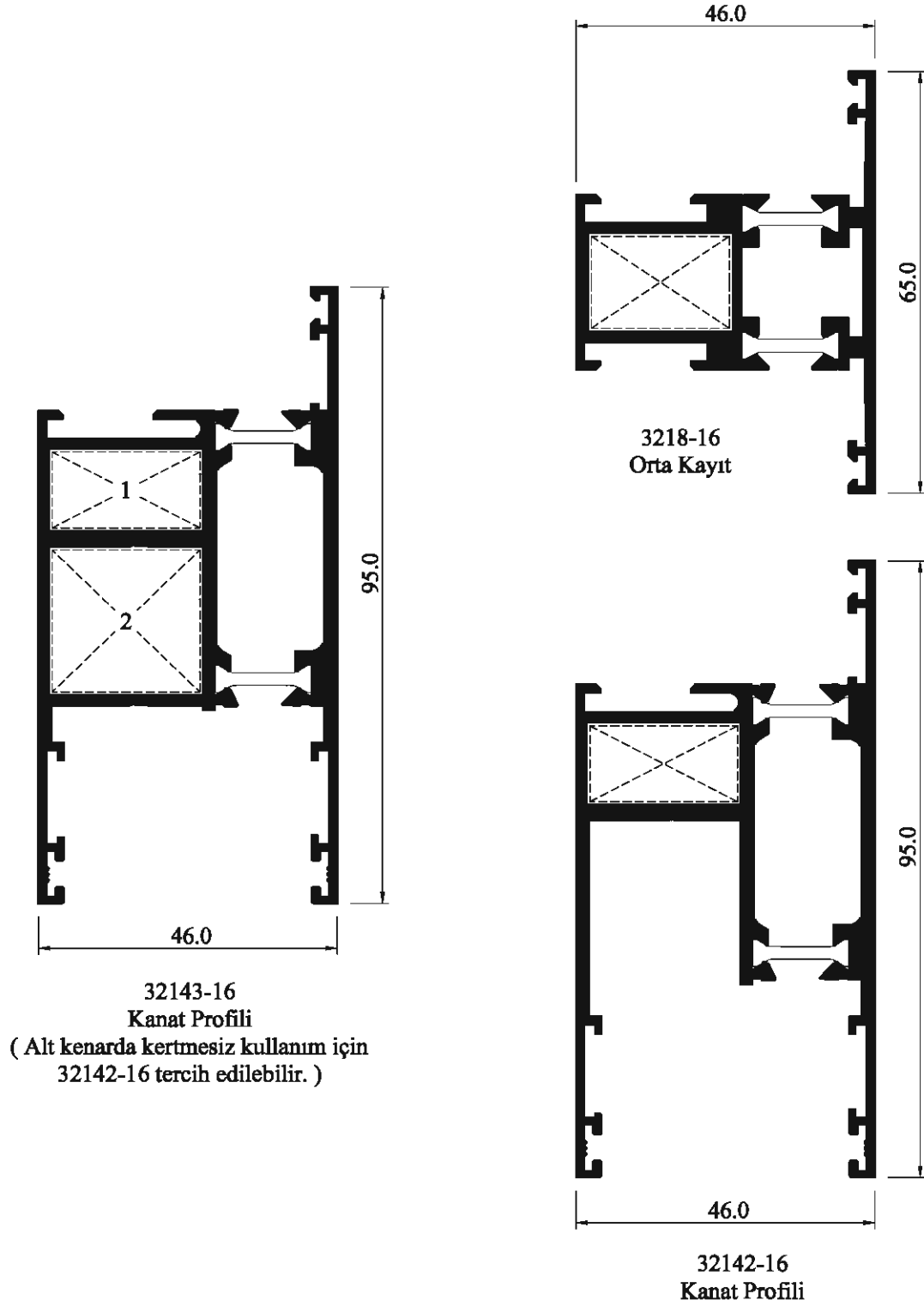
3210-16
Sabit Kasa
(Sabit Cam Kasası)



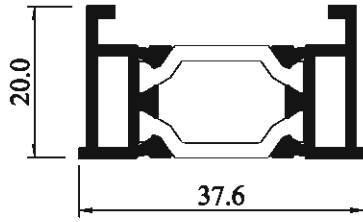
3211-16
Sabit Kasa
(Sabit Cam Kasa)



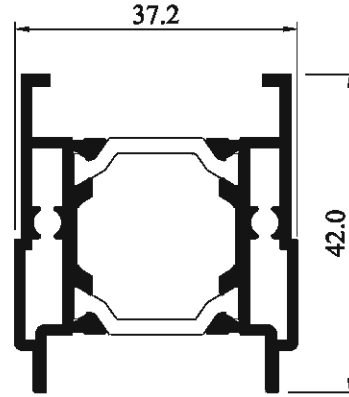
PROFİL KODU	AĞIRLIK (kg/m)	PRES TAKOZU	KESİM ÖLÇÜSÜ
3210-16 (1)	1.475	T851-111	22.1 mm
3210-16 (2)		T851-111	42.2 mm
3211-16	1.108	T851-111	22.1 mm

KANATLAR / SASH PROFILES


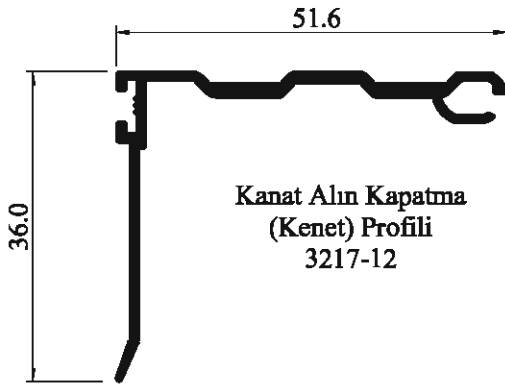
PROFİL KODU	AĞIRLIK (kg/m)	PRES TAKOZU	KESİM ÖLÇÜSÜ
3218-16	1.200	1584-15 U Bağlantı	
32142-16	1.745	T851-121	23.2 mm
32143-16 (1)	1.821	T851-121	23.2 mm
32143-16 (2)		T851-225	23.2 mm



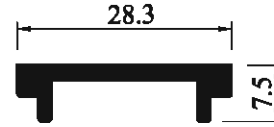
Kilit Adaptör Profili
3219-12



Kanat Birleşim Profili
3215-12

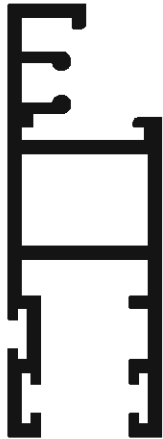


Kanat Alın Kapatma
(Kenet) Profili
3217-12



Kilit Karşılık Profili
3220-00

SİNEKLİK PROFİLLERİ / FLYSWATTER PROFİLES



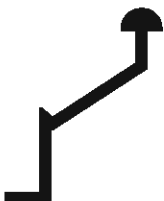
Sineklik Profili
32611-15



Sineklik Profili
32612-12



Sineklik Rayı
32621-15

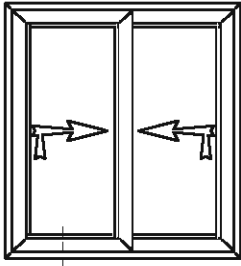


Sineklik Rayı
32622-12

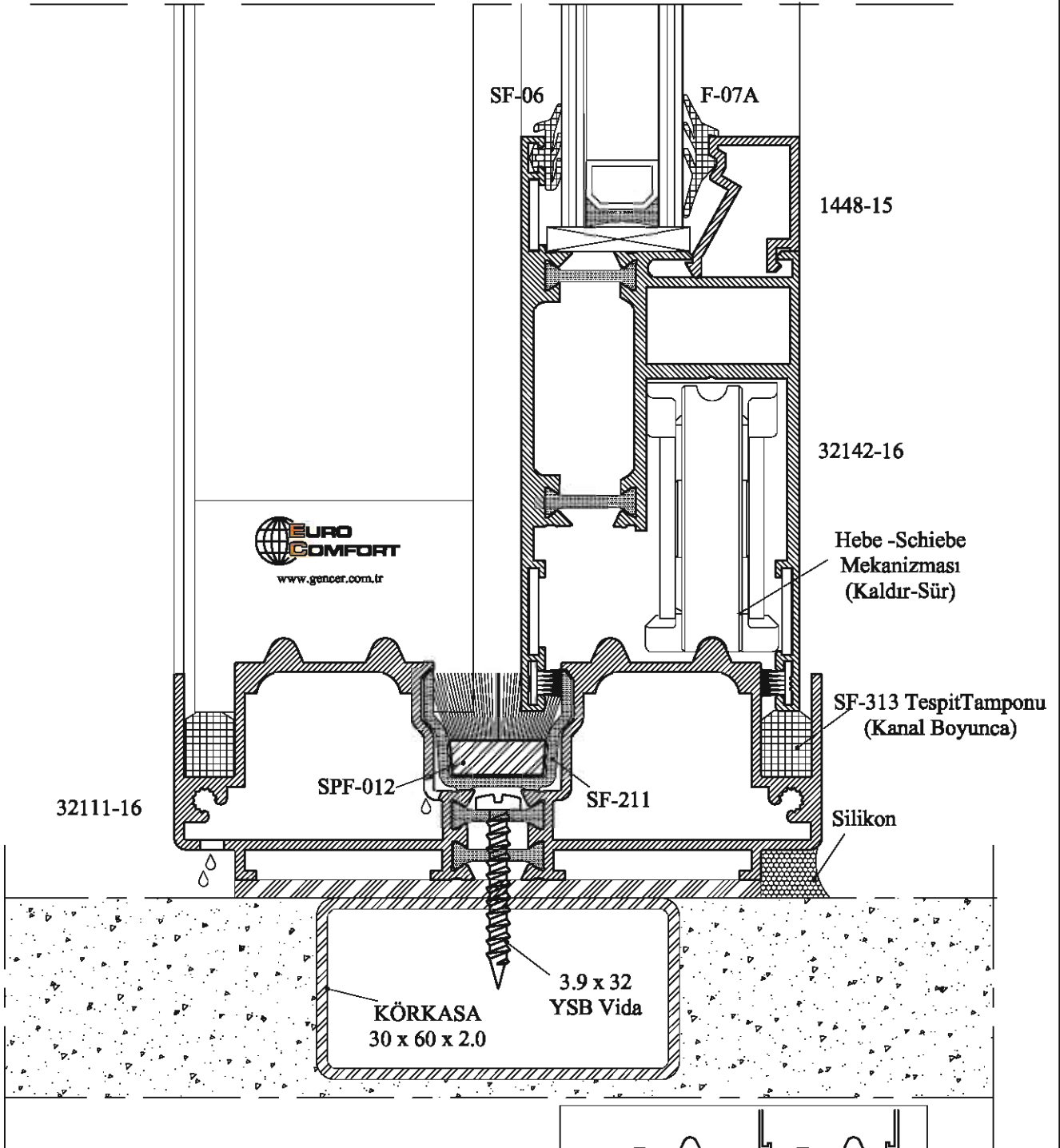


Sineklik Çıtası
32631-15

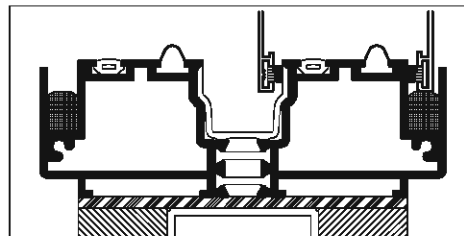
PROFİL KODU	AĞIRLIK (kg/m)
3219-12	0.514
3215-12	0.822
3217-12	0.392
3220-00	0.229
32611-15	0.732
32612-12	0.376
32621-15	0.466
32622-12	0.147
32631-15	0.179

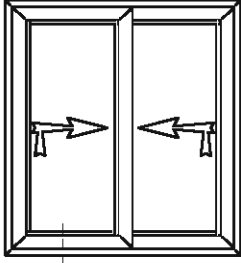


HEBE -SCHIEBE (KALDIR- SÜR) ISI YALITIMLI SÜRME " KAPALI KONUM "

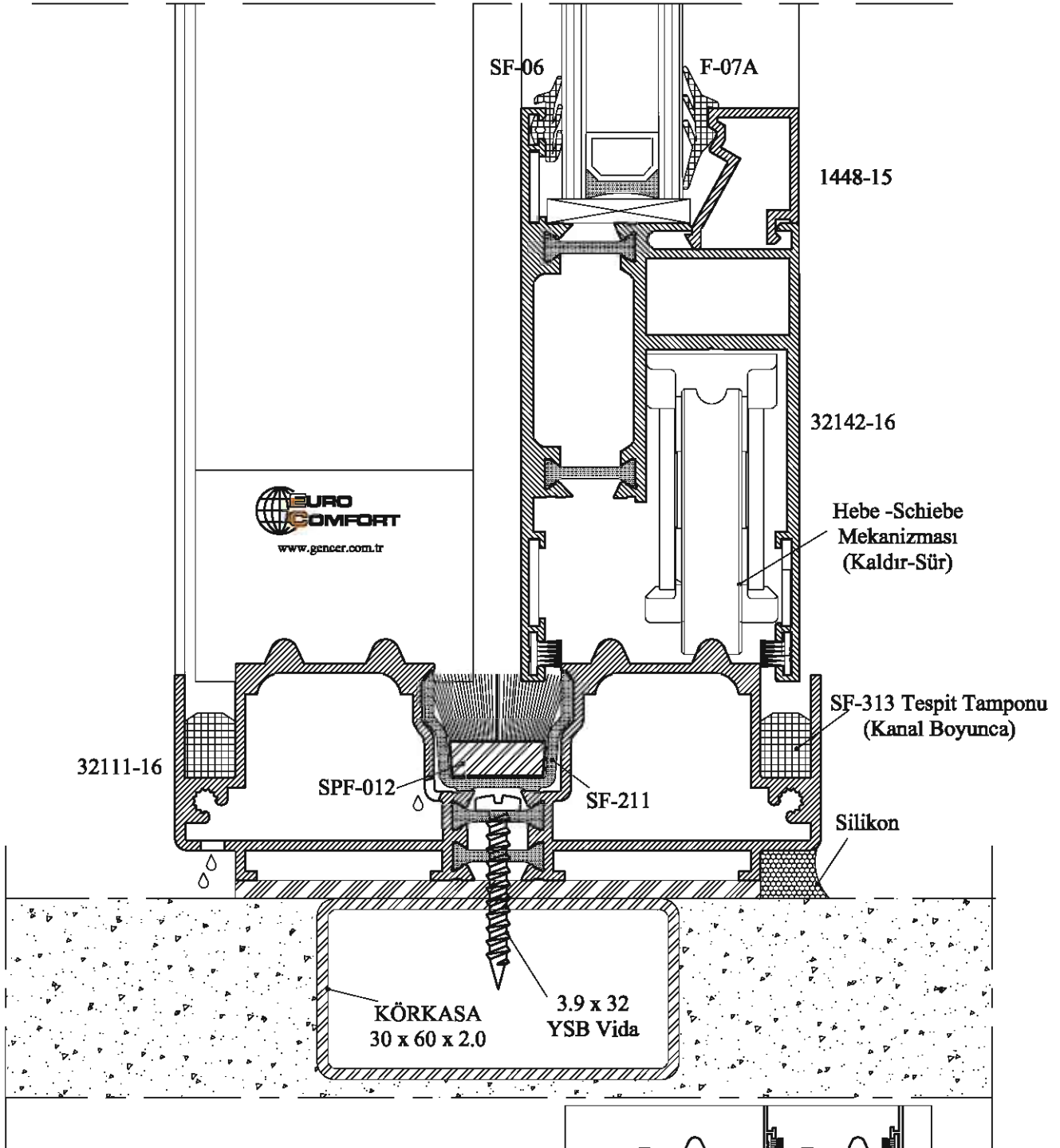


Alt kasa (32111-16) profiline alternatif olarak 32112-16 profili (32371-00 rayı ve SF-112 fitili takılarak) de kullanılabilir.

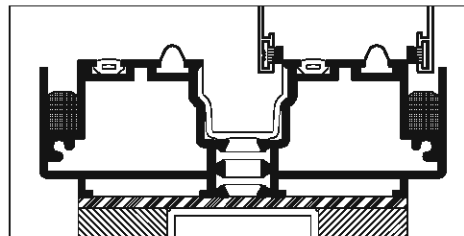


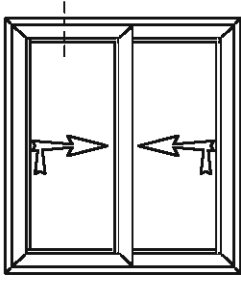


HEBE -SCHIEBE (KALDIR- SÜR) ISI YALITIMLI SÜRME " AÇIK KONUM "

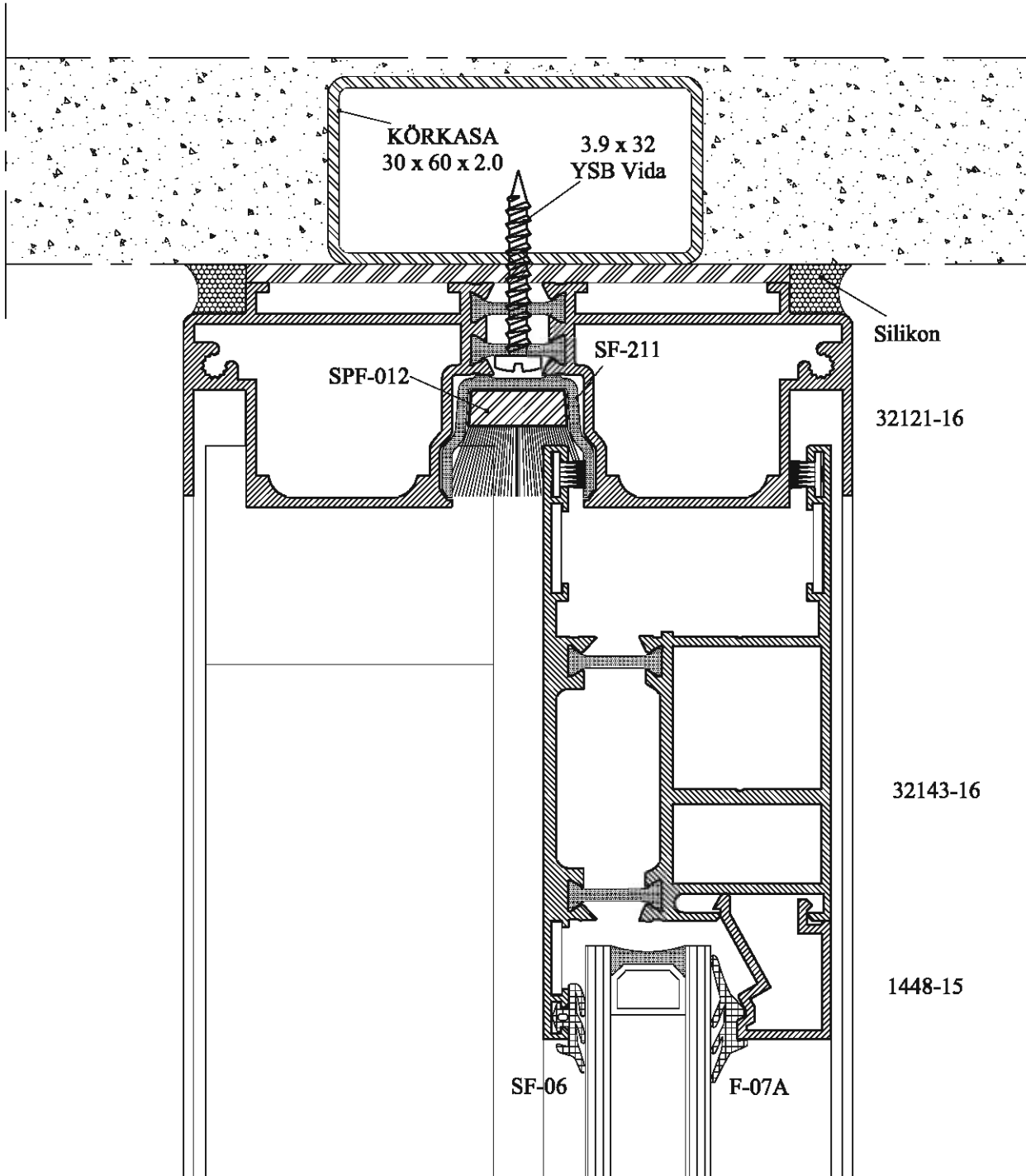


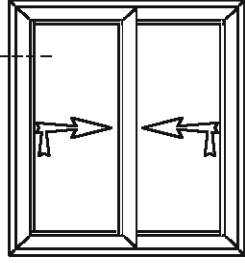
Alt kasa (32111-16) profiline alternatif olarak 32112-16 profili (32371-00 rayı ve SF-112 fitili takılarak) de kullanılabilir.



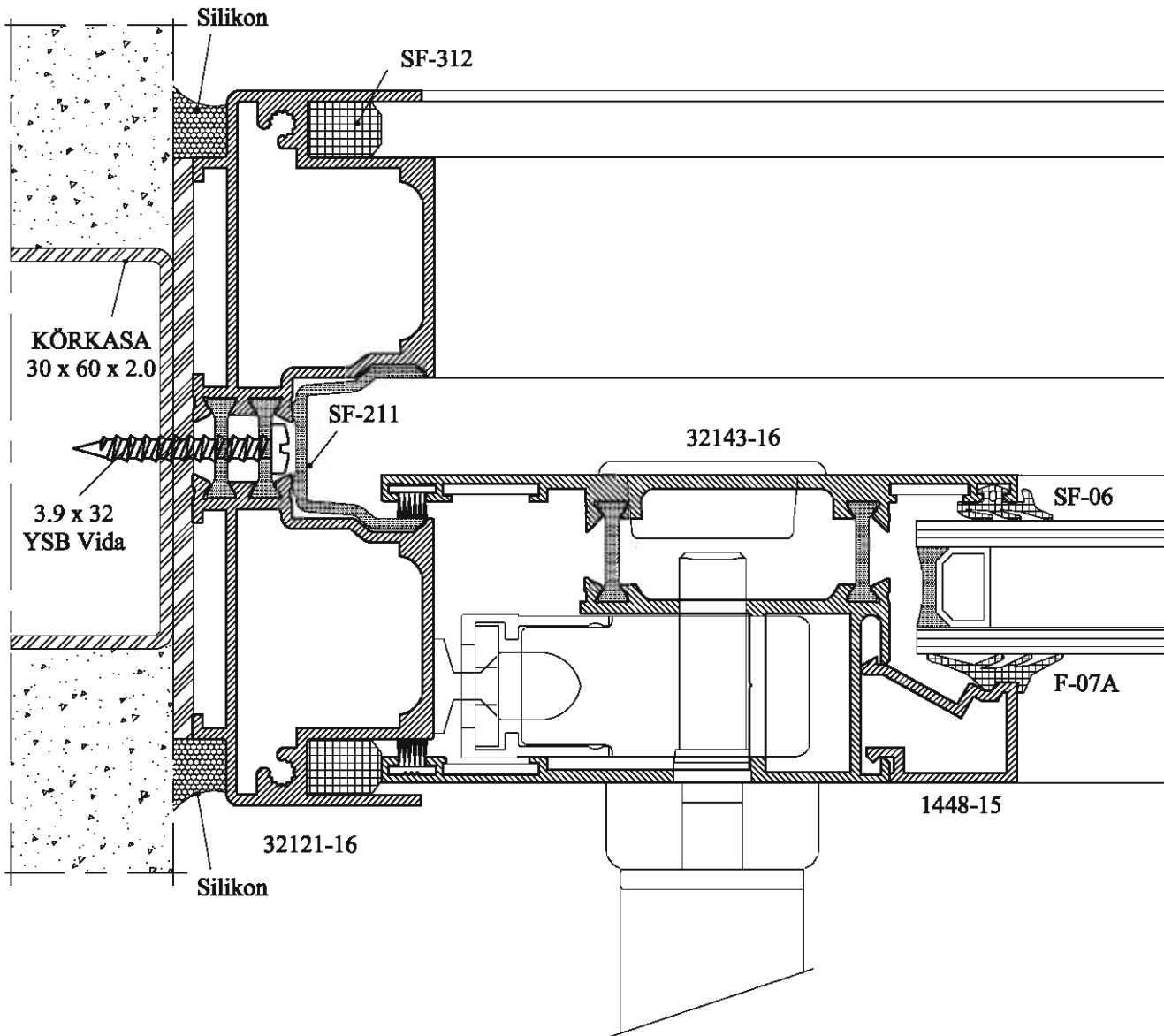


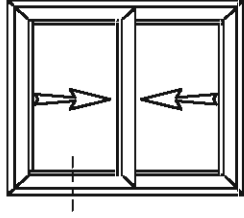
HEBE -SCHIEBE (KALDIR- SÜR) ISI YALITIMLI SÜRME DÜŞEY KESİT ÜST DETAYI



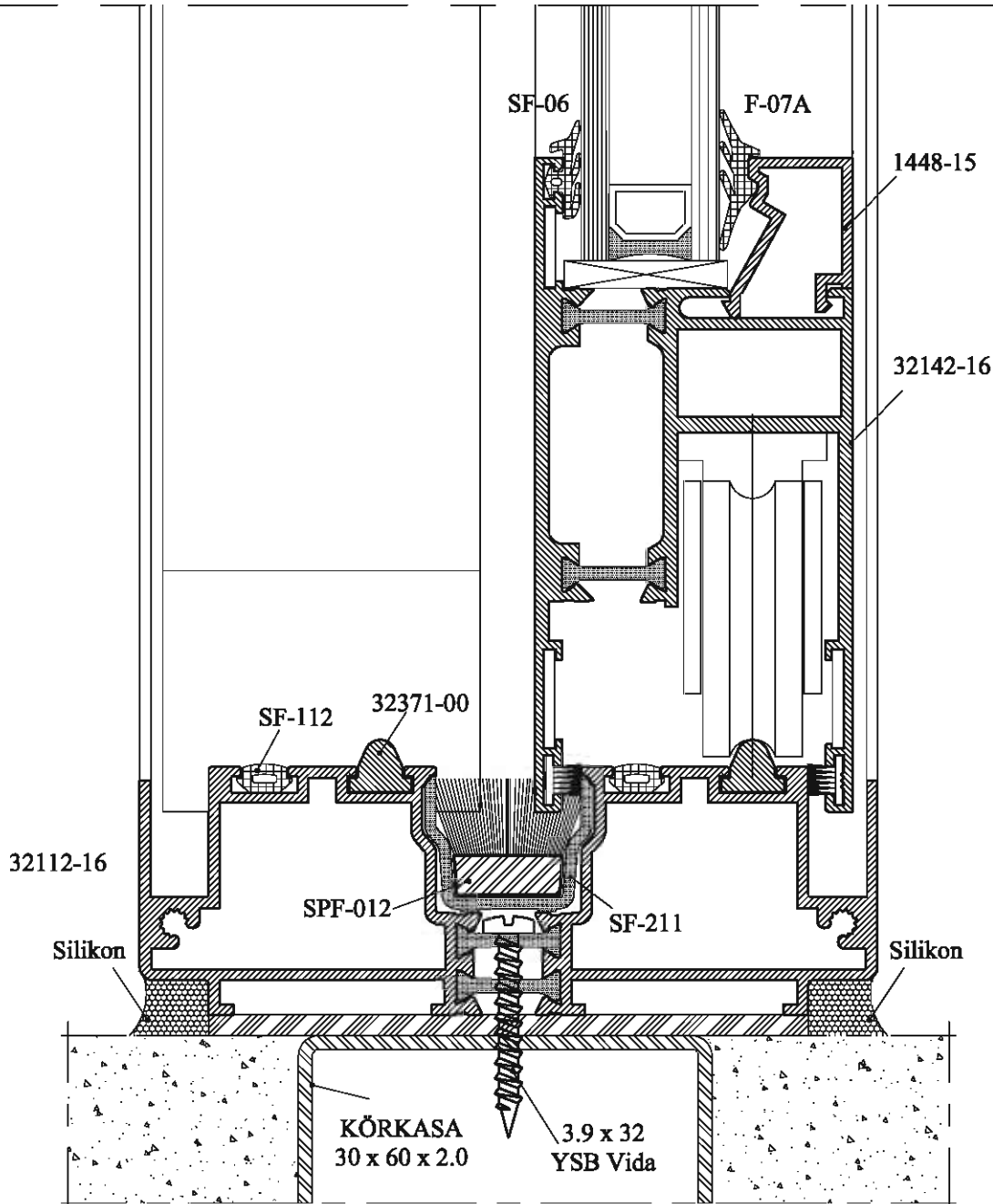


HEBE -SCHIEBE (KALDIR- SÜR) ISI YALITIMLI SÜRME
YATAY KESİT YAN KASA DETAYI

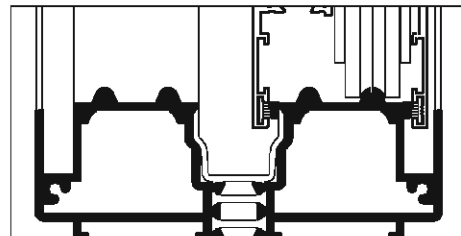


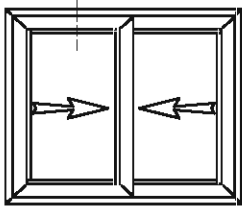


DÜŞEY KESİT ALT DETAYI

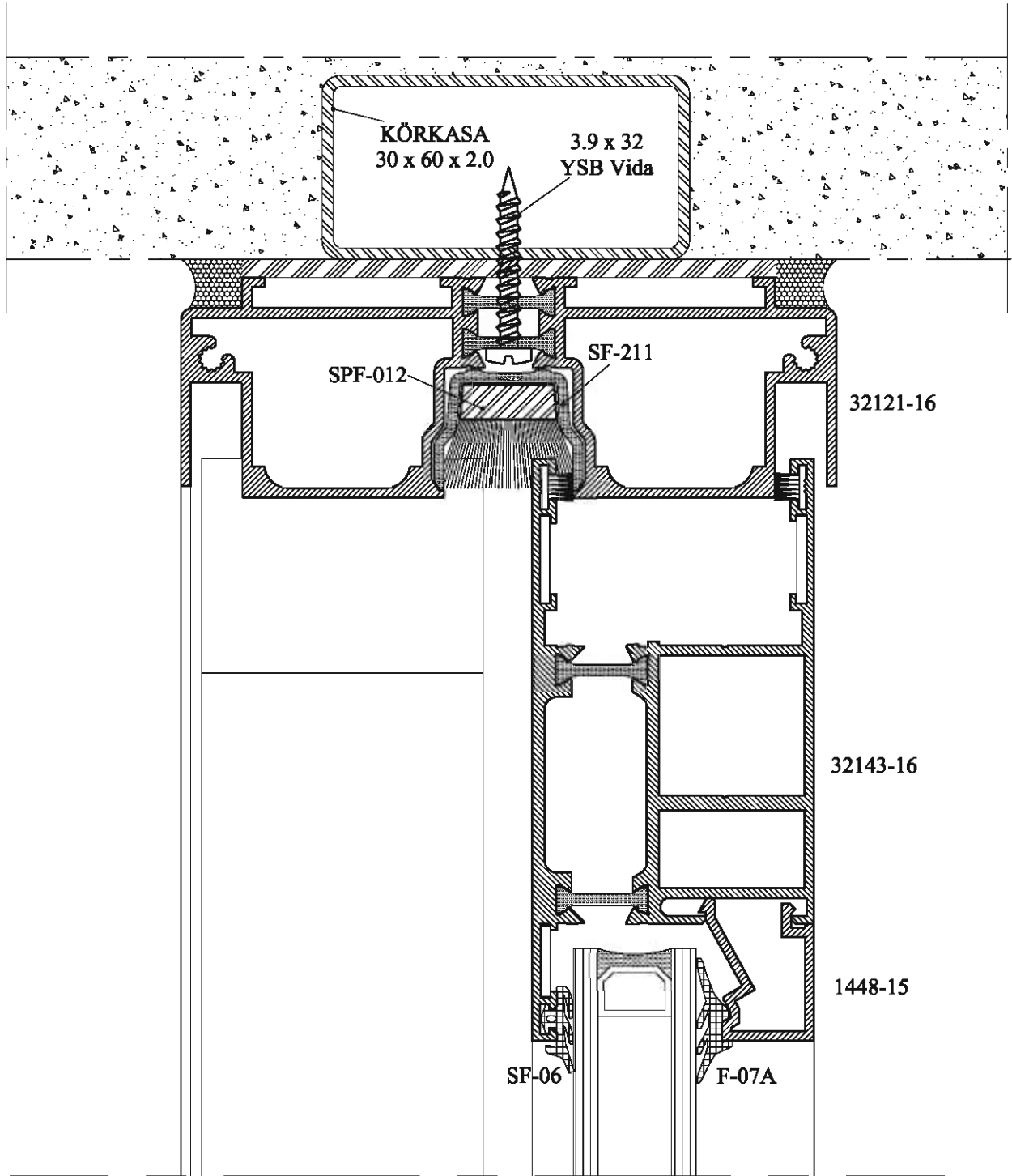


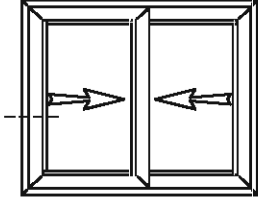
Alt kasa (32112-16) profiline alternatif olarak
32111-16 profili de kullanılabilir.



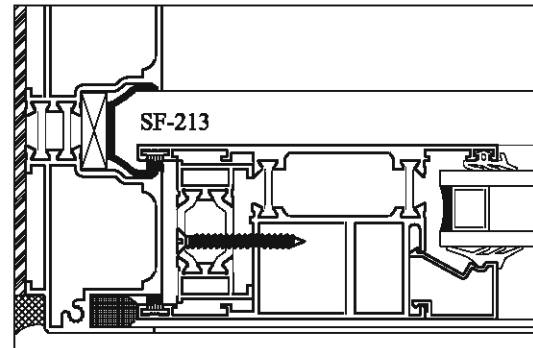
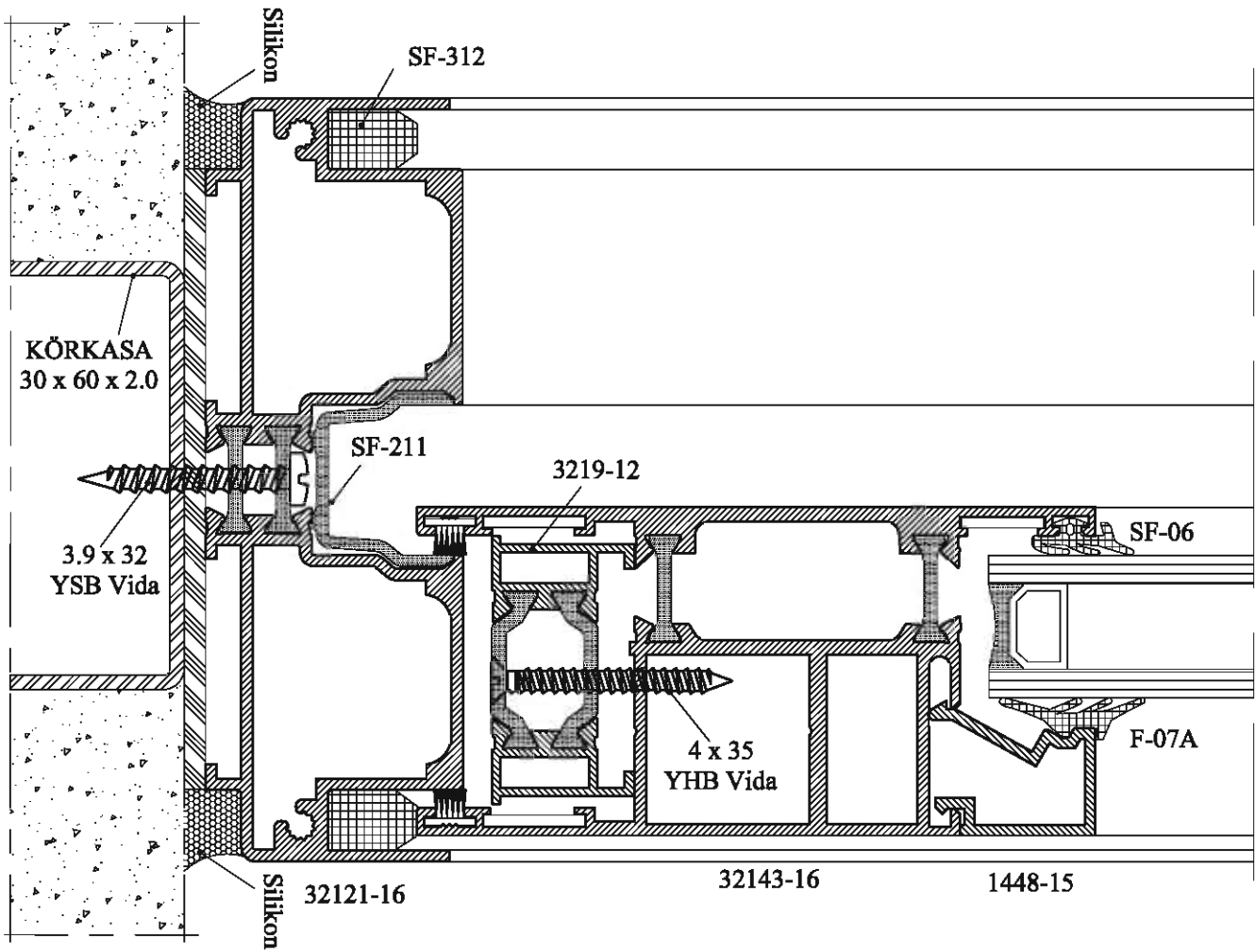


DÜŞEY KESİT ÜST DETAYI

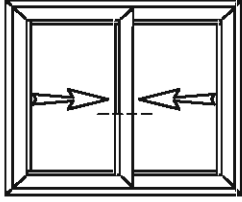




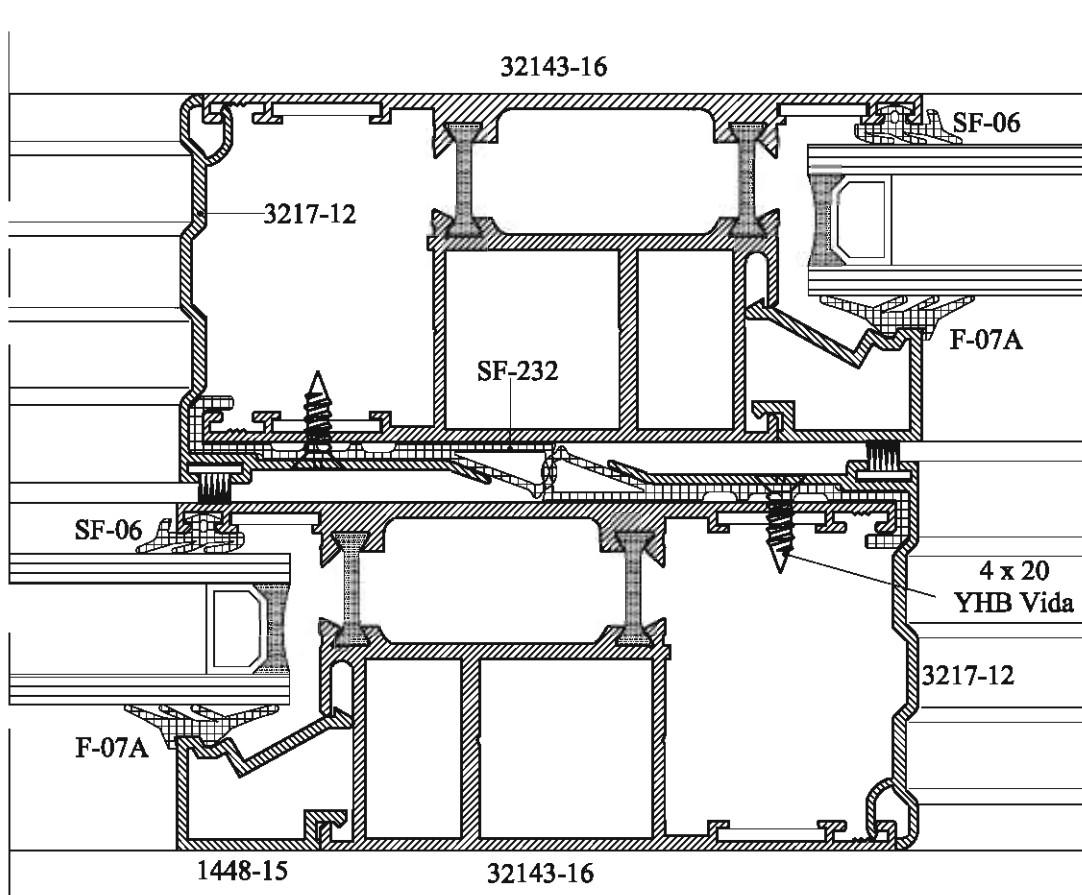
YATAY KESİT YAN DETAYI

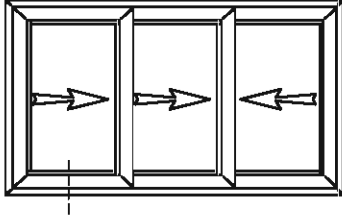


Yan kasa (32111-16) profilinin kanal plastiğine alternatif olarak SF-213'de kullanılabilir.

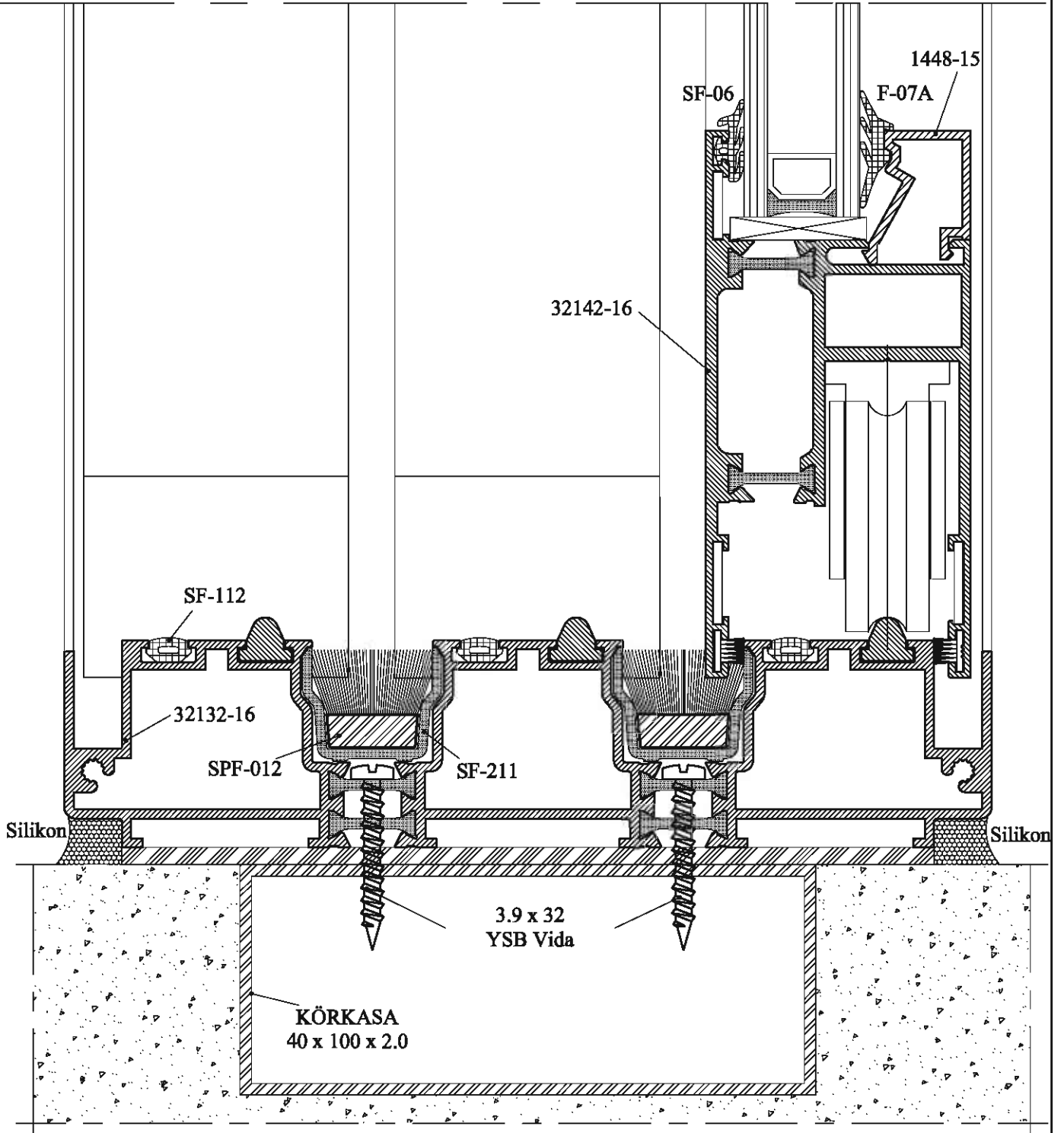


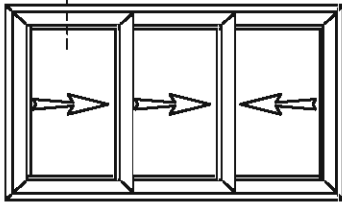
DÜŞEY KESİT KANAT ALIN
KAPATMA (KENET) MONTAJ DETAYI



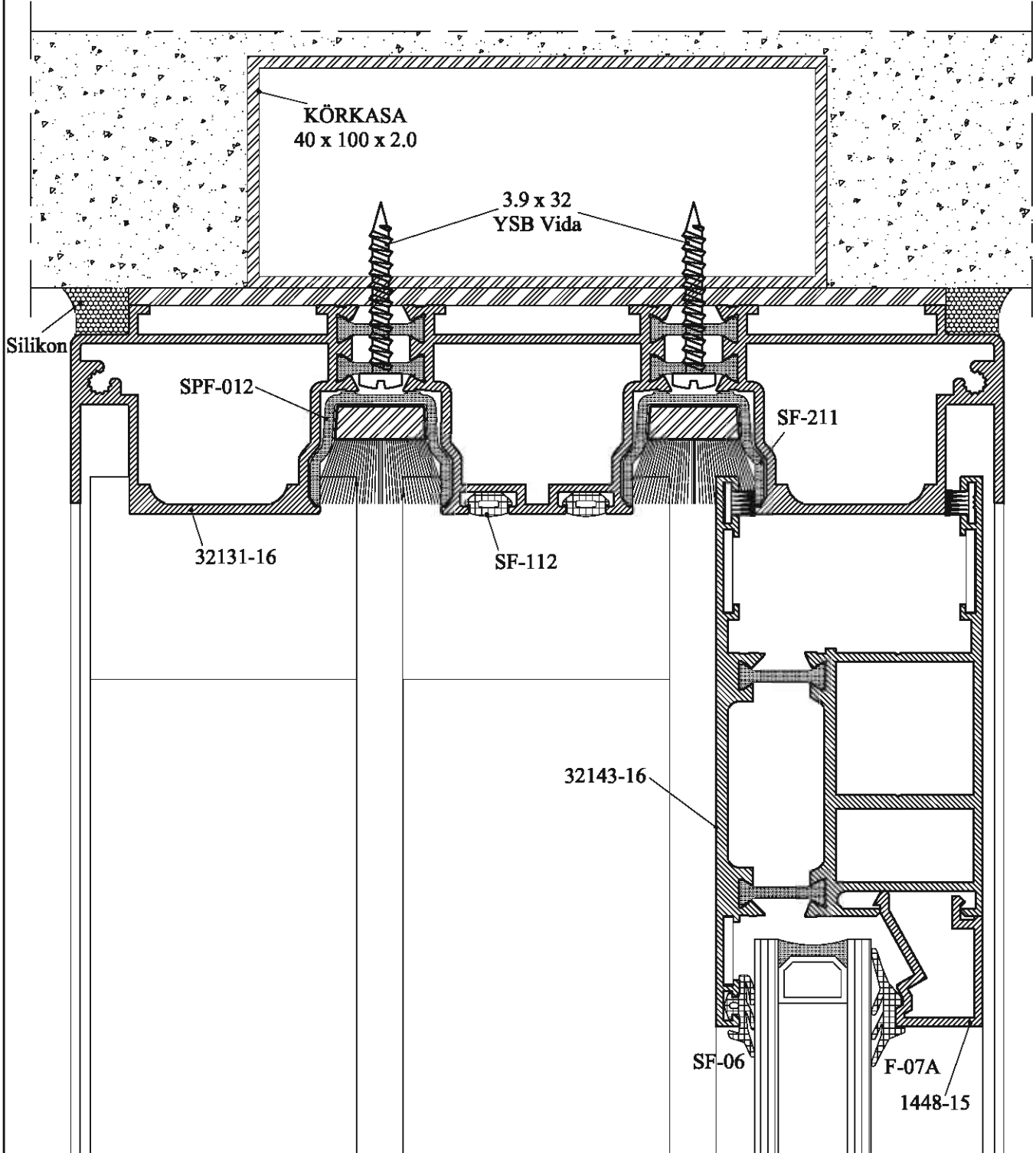


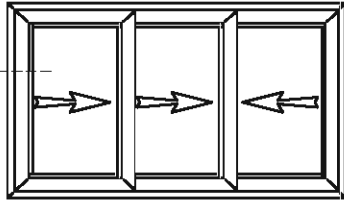
DÜŞEY KESİT ALT DETAYI
(3 RAYLI SİSTEMDE)



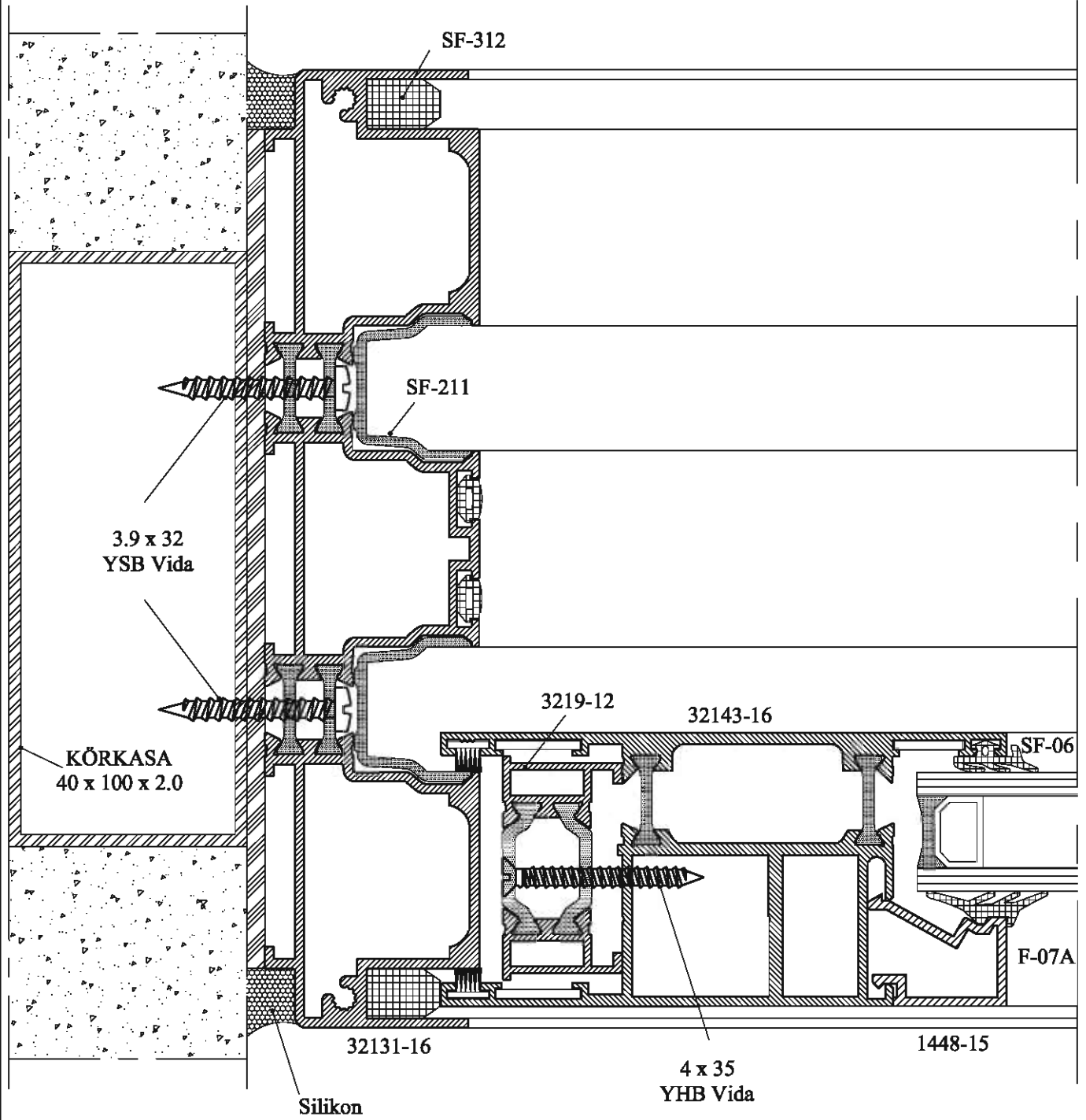


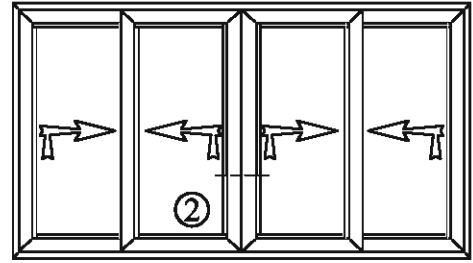
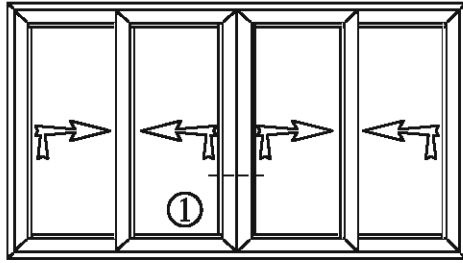
**DÜŞEY KESİT ÜST DETAYI
(3 RAYLI SİSTEMDE)**



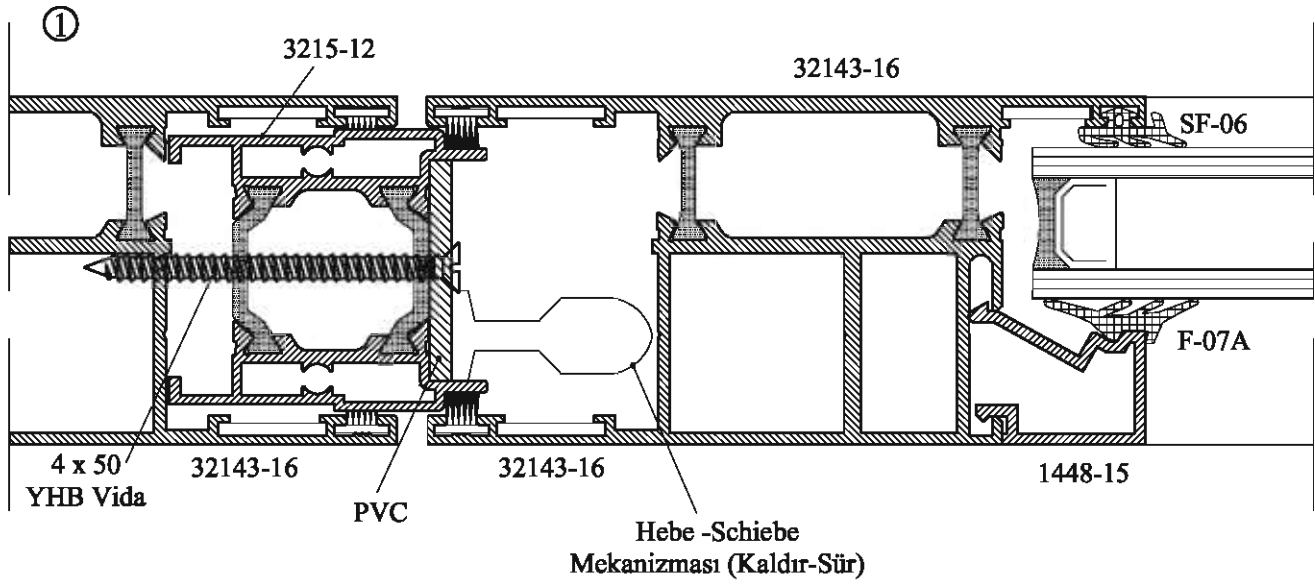


**DÜŞEY KESİT YAN DETAYI
(3 RAYLI SİSTEMDE)**

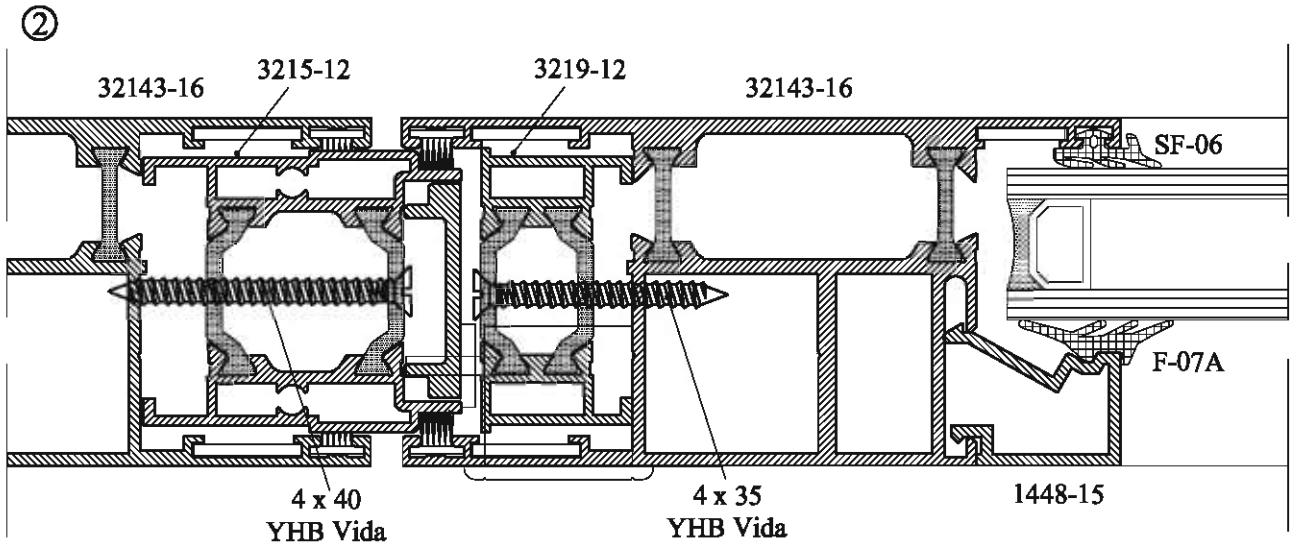


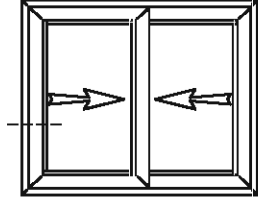


**HEBE -SCHIEBE (KALDIR- SÜR) ISI YALITIMLI
DÖRTLÜ SÜRME ORTA DETAY**

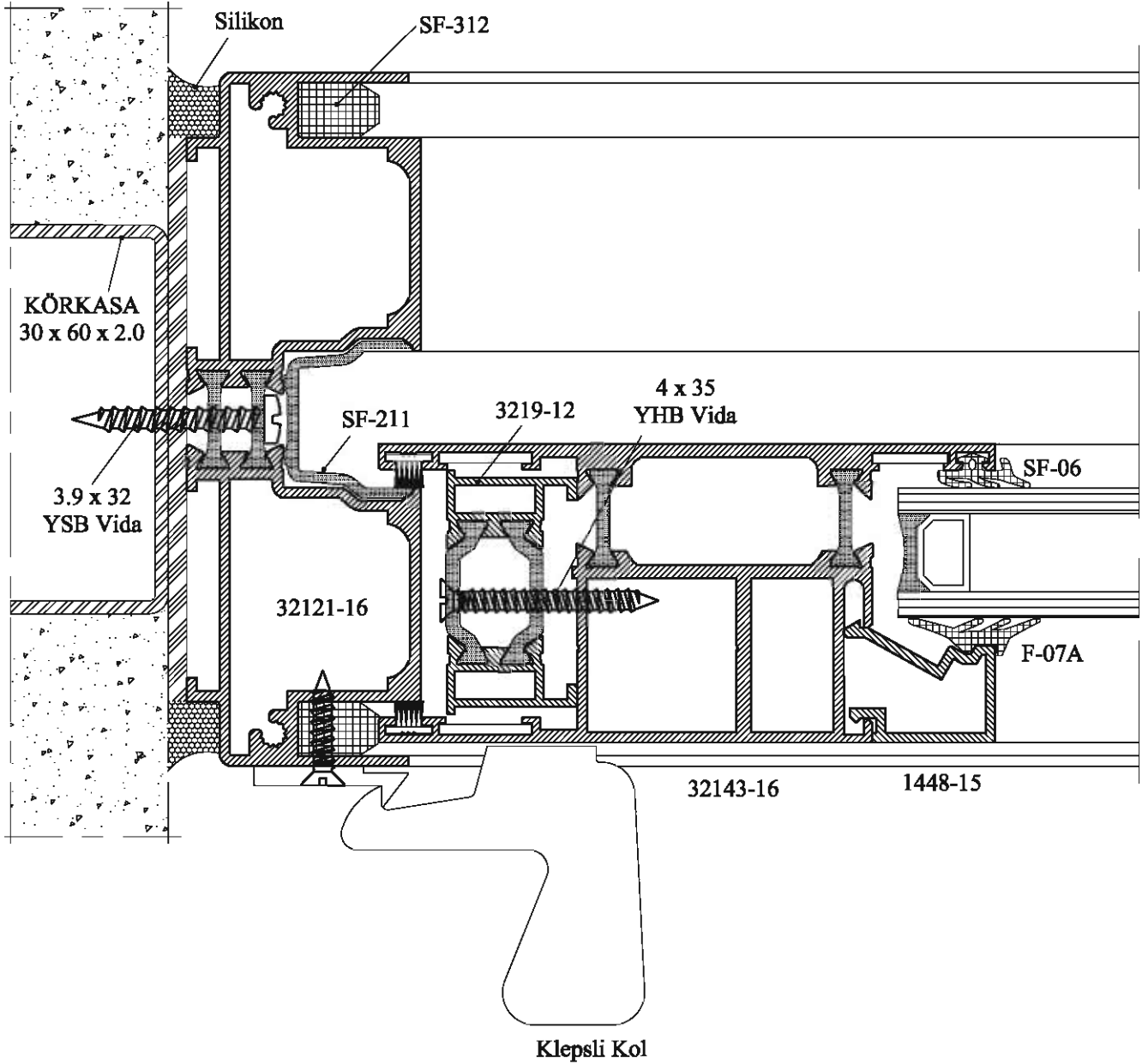


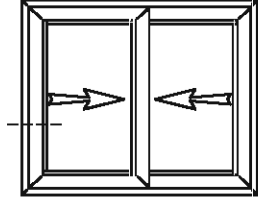
ISI YALITIMLI DÖRTLÜ SÜRME ORTA DETAY



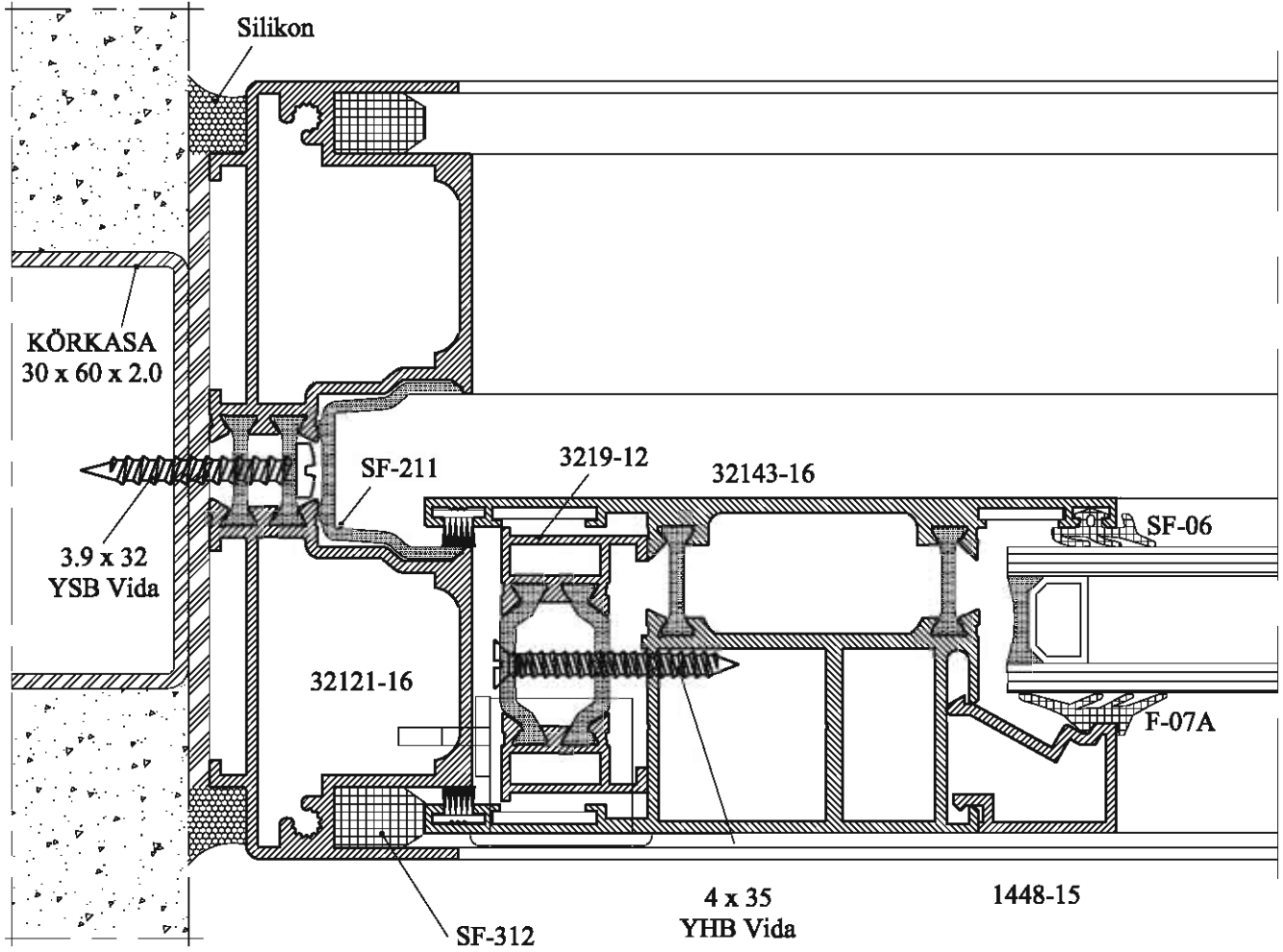


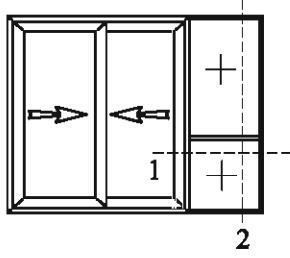
DÜŞEY KESİT YAN KASA
" KLEPSLİ KOL İLE MONTAJ "





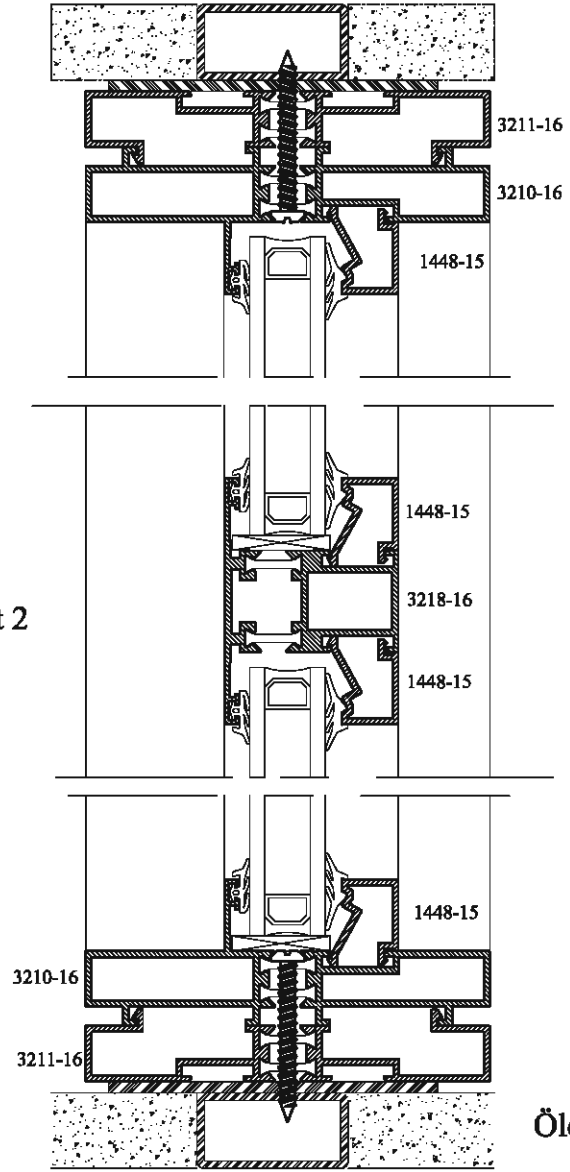
**DÜŞEY KESİT YAN KASA
" HAVUZLU KİLİT İLE MONTAJ "**





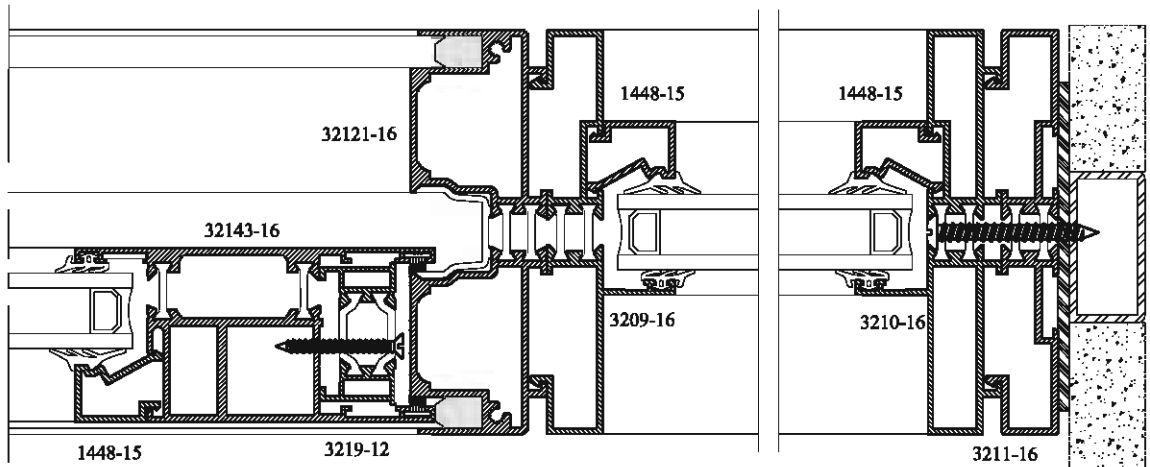
YATAY KESİT SABİT CAMA GEÇİŞ DETAYI

Kesit 2

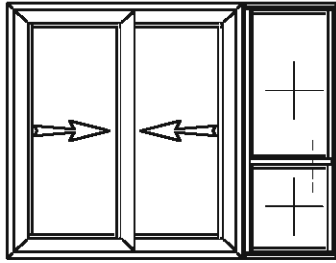


Ölçek: 1/2

Kesit 1

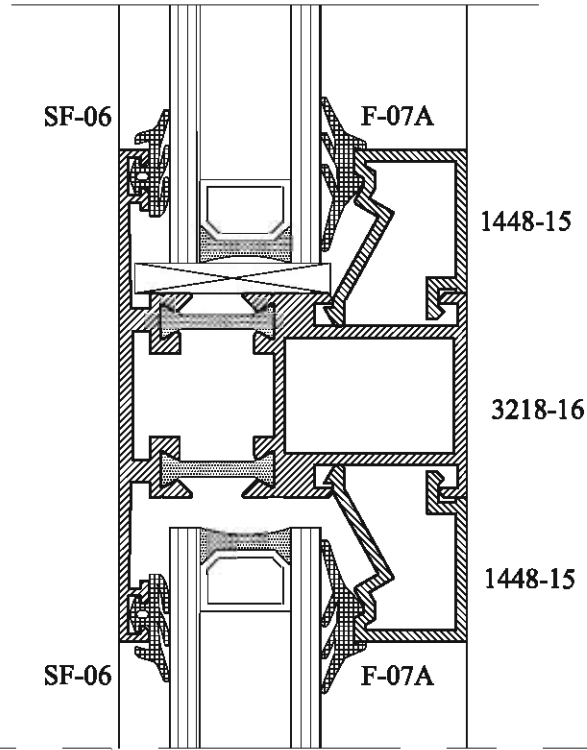


Ölçek: 1/2



1. Alternatif

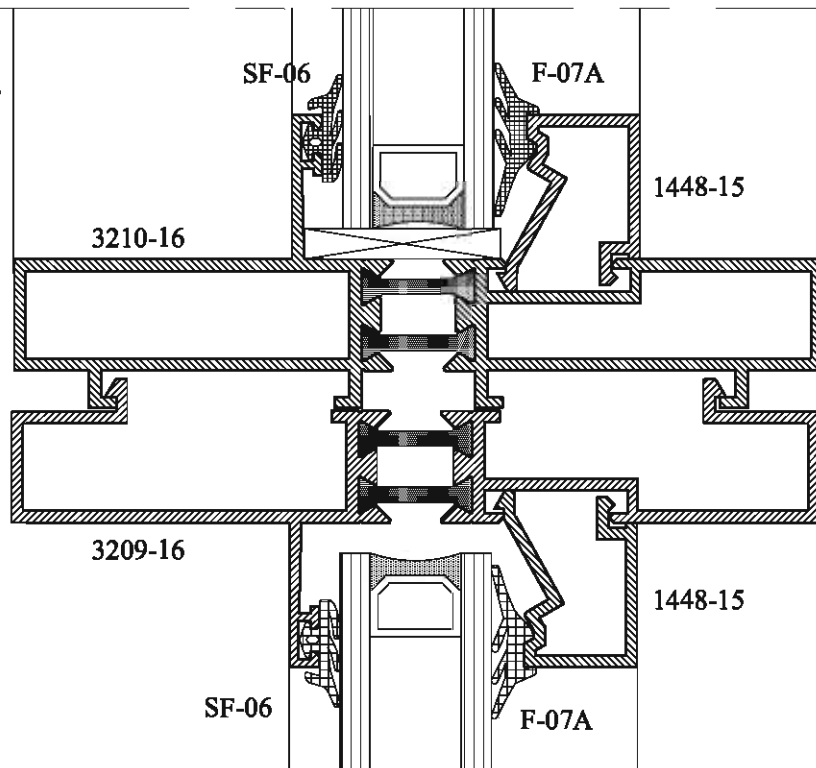
ORTA KAYIT DETAYI

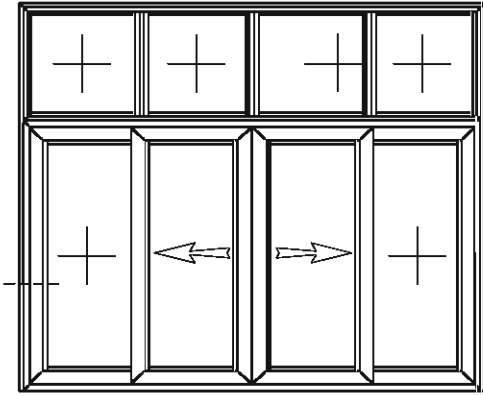


Orta kayıt montaj detayı 2 değişik profile sağlanabilir:

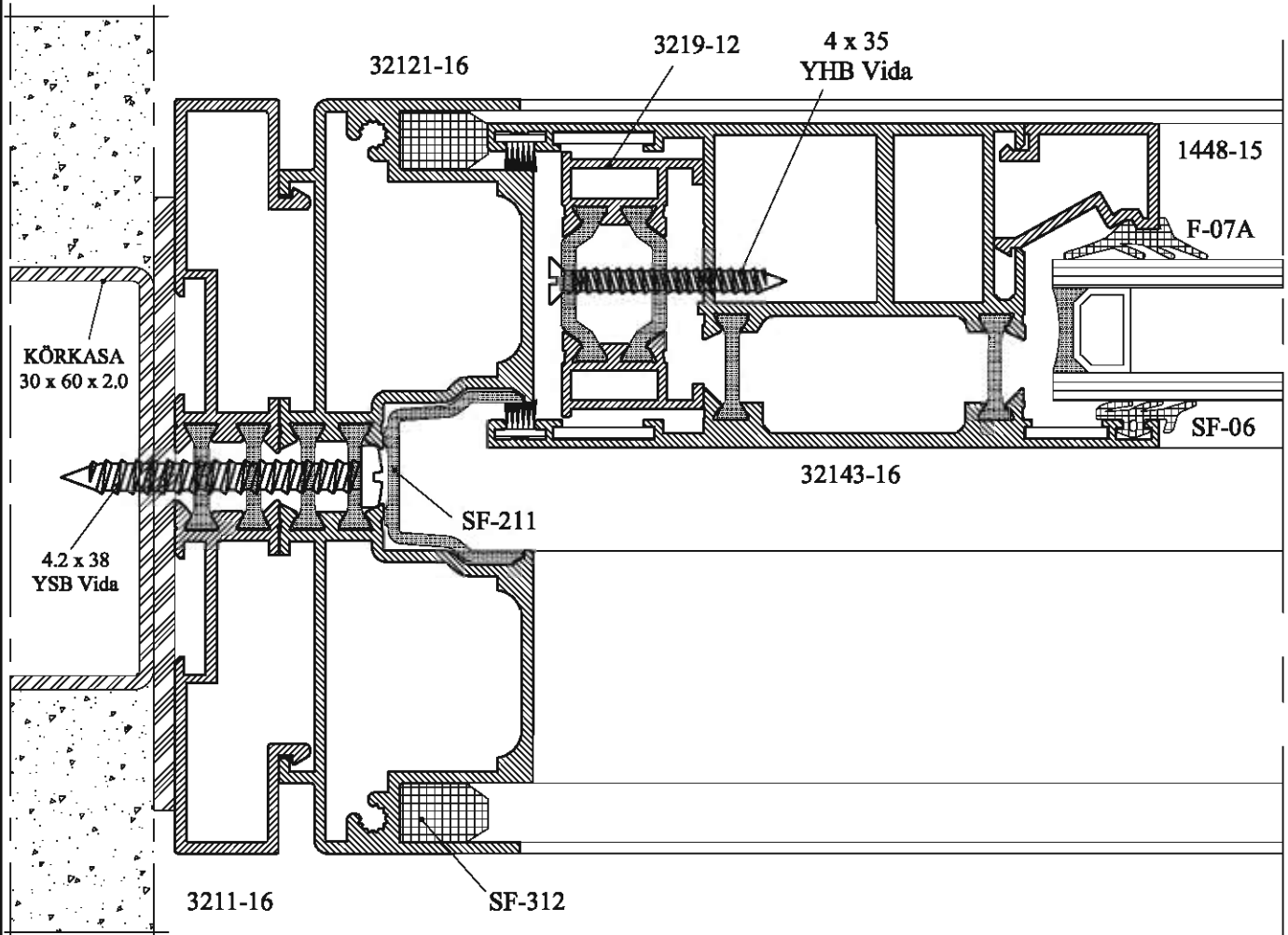
1.) 3218-16 profilini kullanarak orta kayıt montaj detayı
2.) 3210-16 ve 3209-16 profilleri kullanılarak orta kayıt montaj detayı yapılabilir.

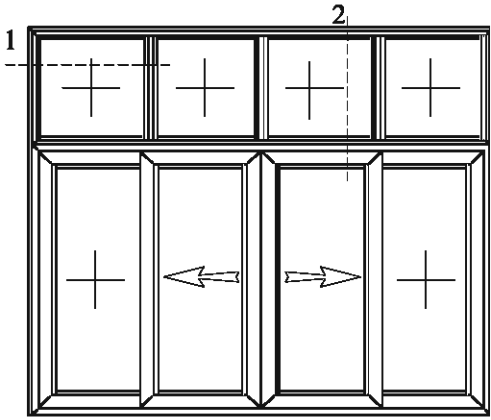
2. Alternatif



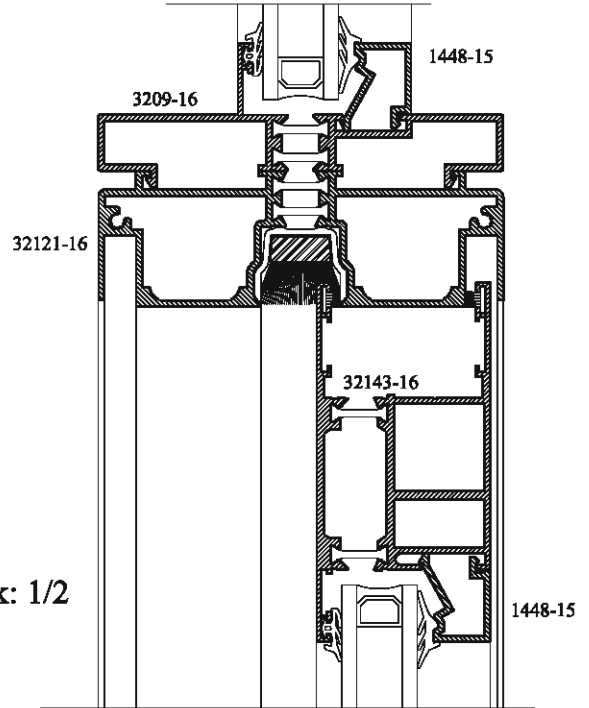
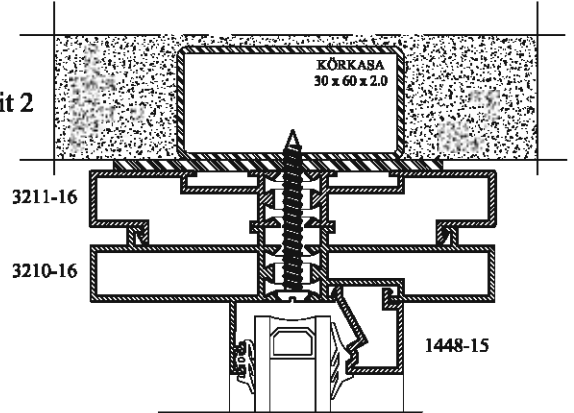


YATAY KESİT DETAYI

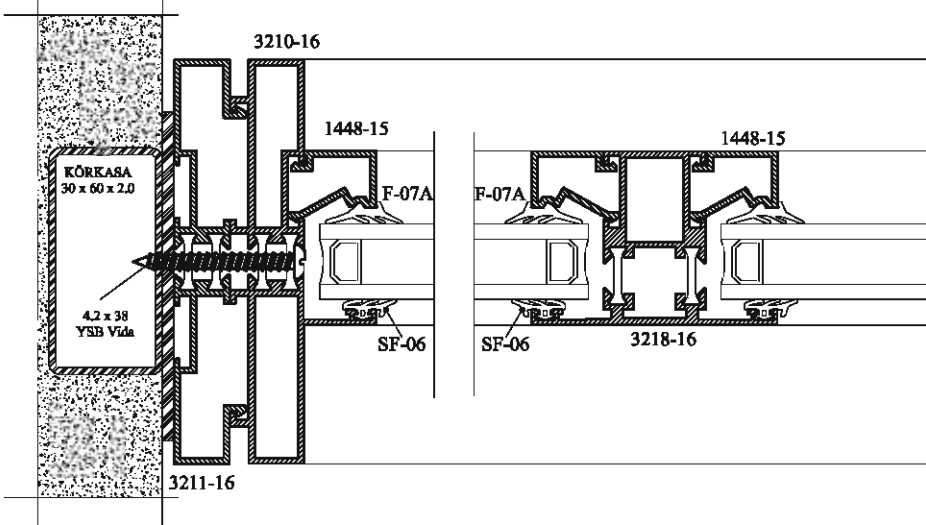




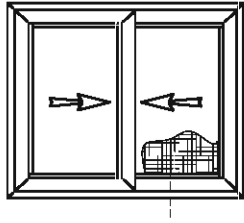
Orta kayıt montaj detayı 2 değişik profile sağlanabilir:
 1.) 3218-16 profilini kullanarak orta kayıt montaj detayı
 2.) 3210-16 ve 3209-16 profilleri kullanılarak orta kayıt montaj detayı yapılabilir.

Kesit 2


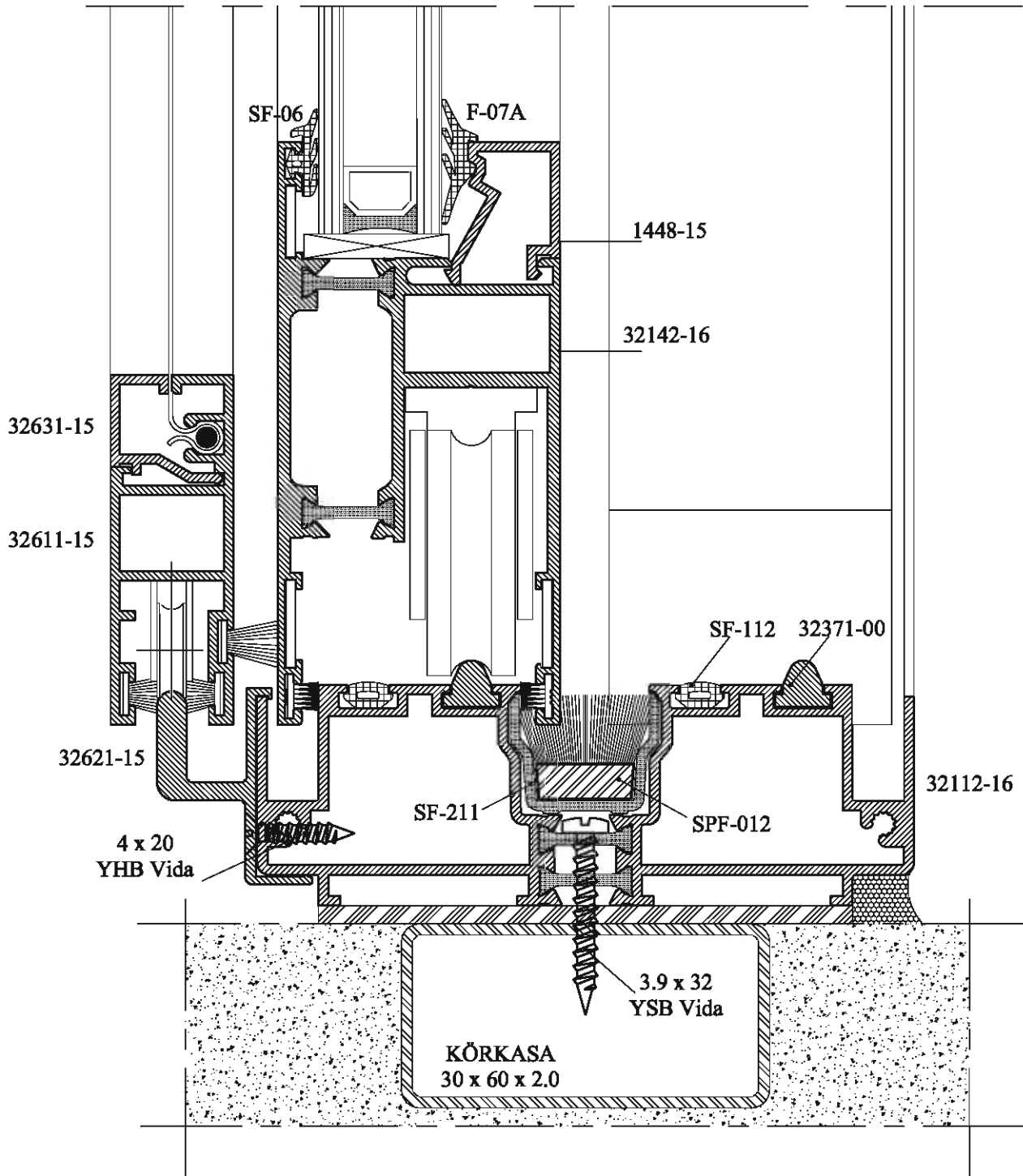
Ölçek: 1/2

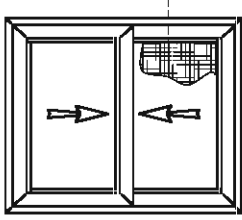
Kesit 1


Ölçek: 1/2

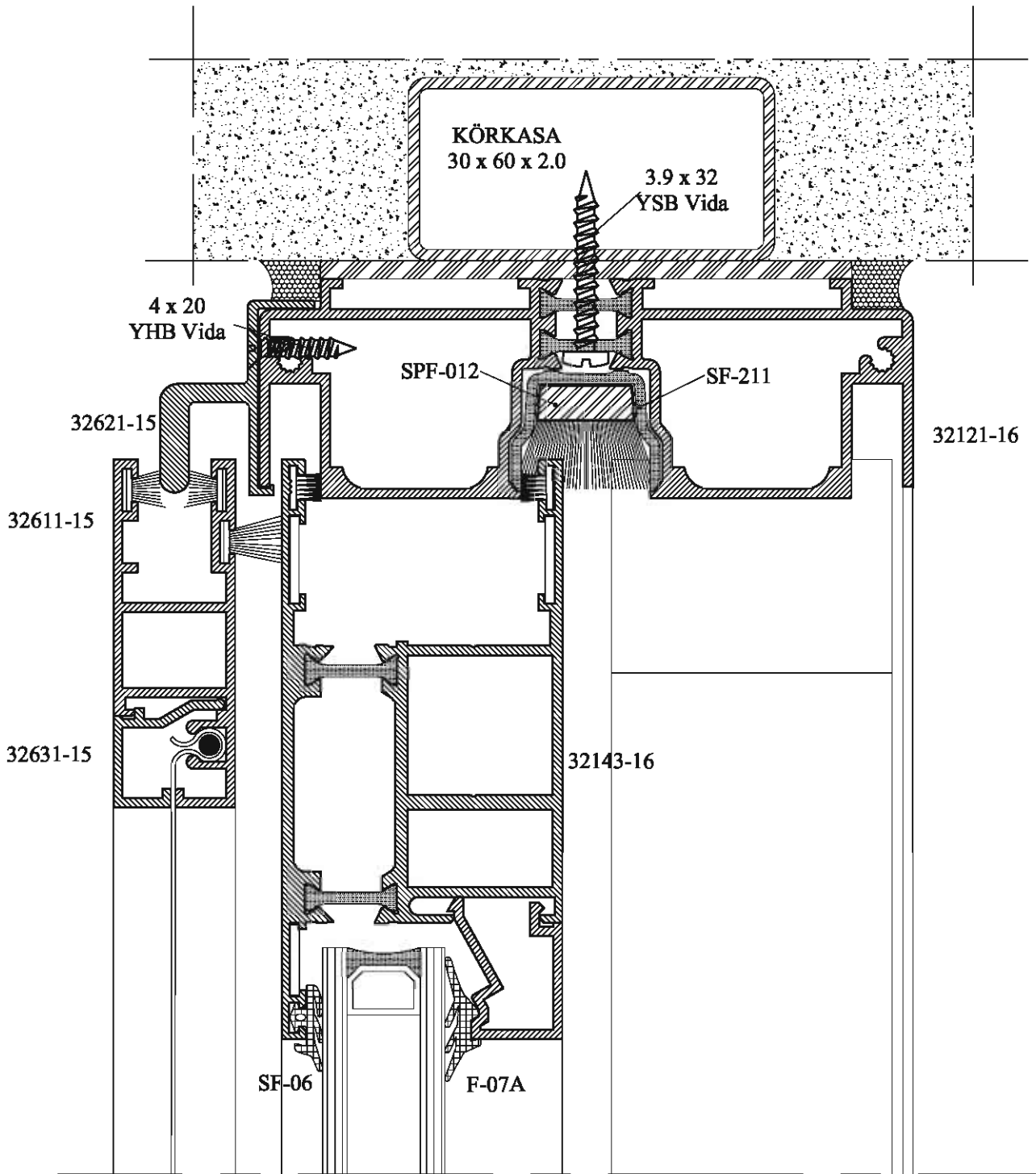


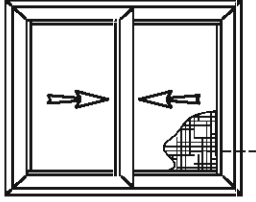
DÜŞEY KESİT ALT SİNEKLİK DETAYI



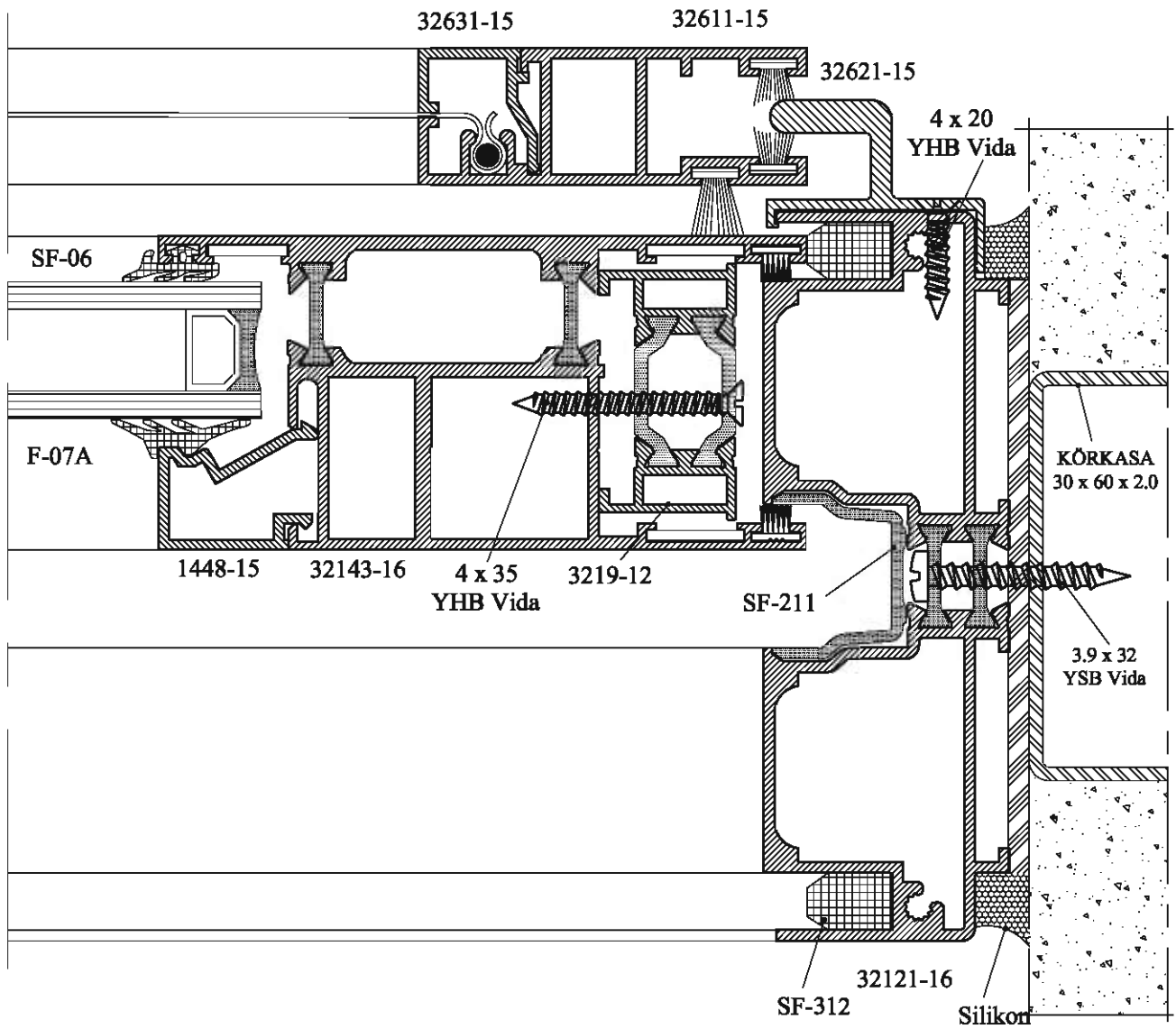


DÜŞEY KESİT ÜST SİNEKLİK DETAYI

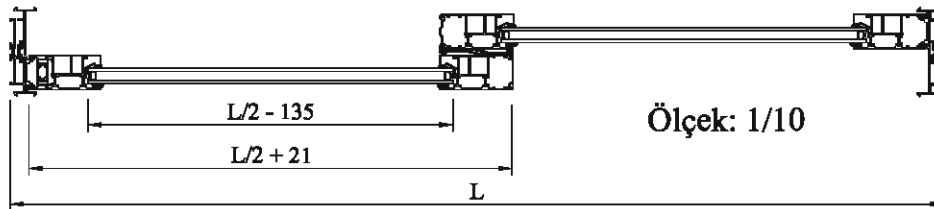
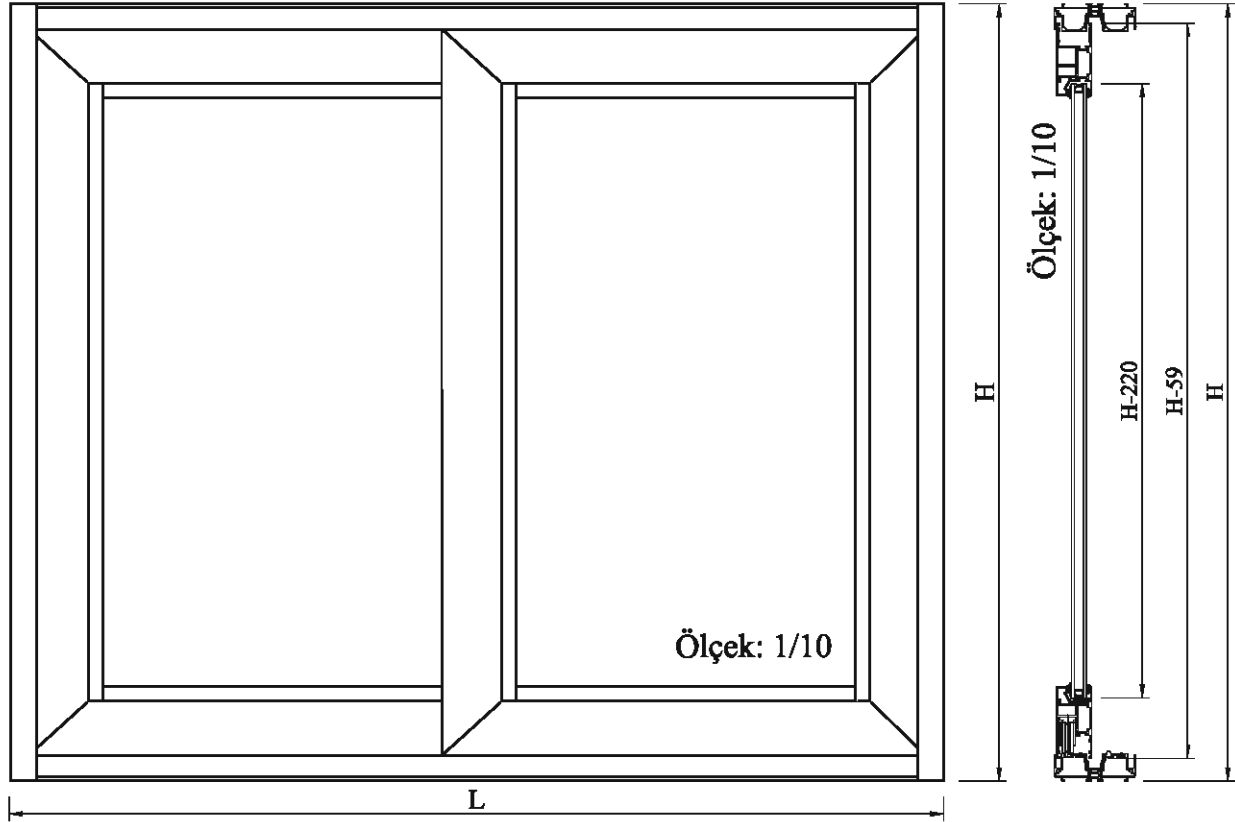




YATAY KESİT YAN KASA SİNEKLİK DETAYI

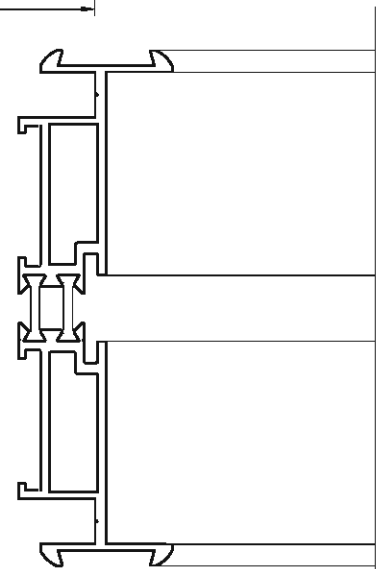


YAN KASA, KANAT VE CAM KESİM ÖLÇÜLERİ



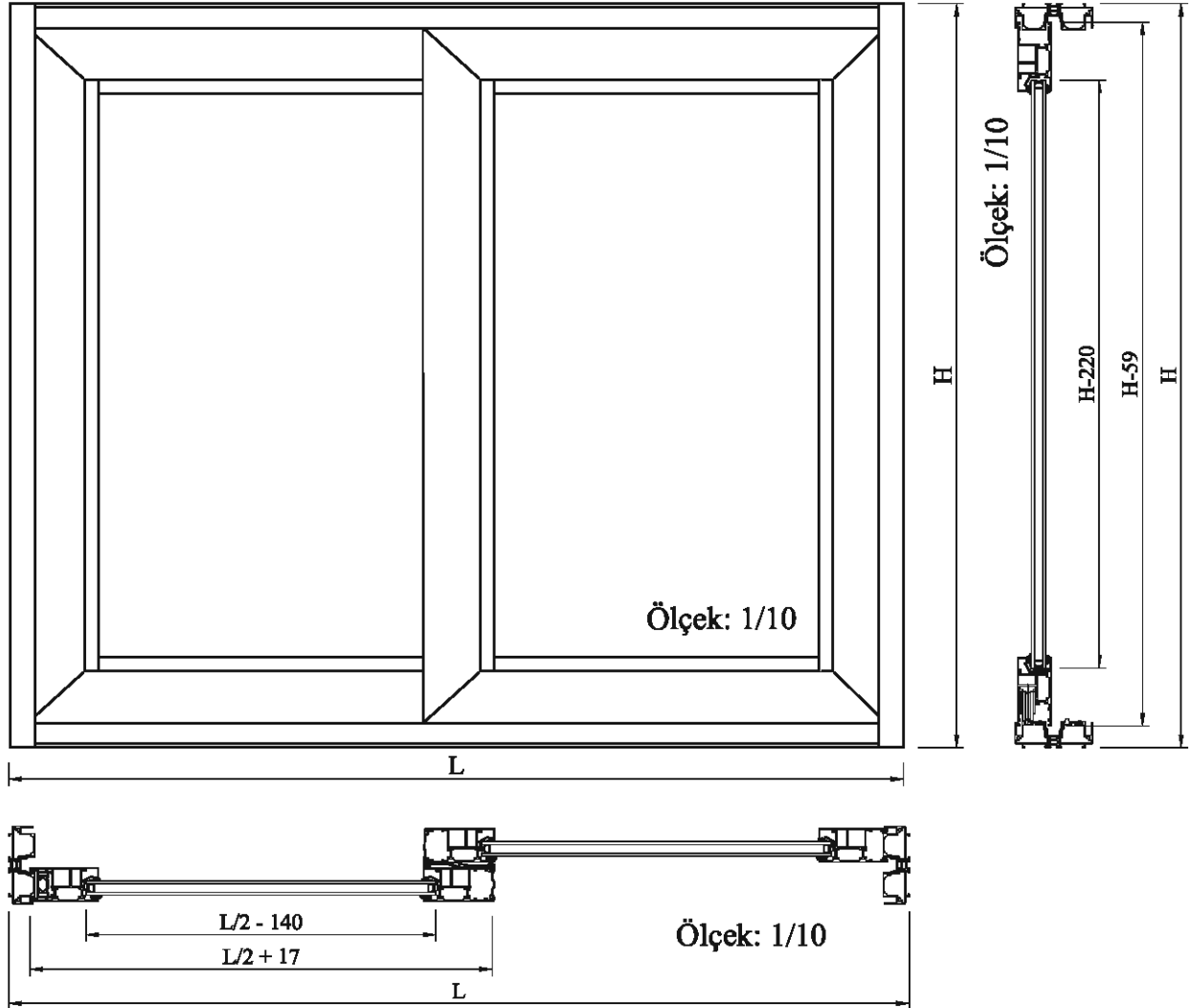
PROFİLLERİN; İSİM ve NUMARALARI		KESİM ÖLÇÜSÜ	ADET
ÜST KASA	32121-16	L - 40	1
ALT KASA	32111-16 / 32112-16	L - 40	1
YAN KASA	3213-20	H	2
KANAT (Yatay)	32142-16 / 32143-16	L/2 + 21	4
KANAT (Düşey)	32142-16 / 32143-16	H - 59	4

CAM	YATAY ÖLÇÜ	DÜŞEY ÖLÇÜ	ADET
H-220	L/2 - 135	H - 220	2



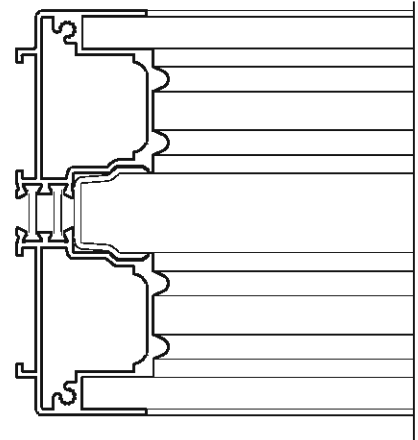
Ölçek: 1/2

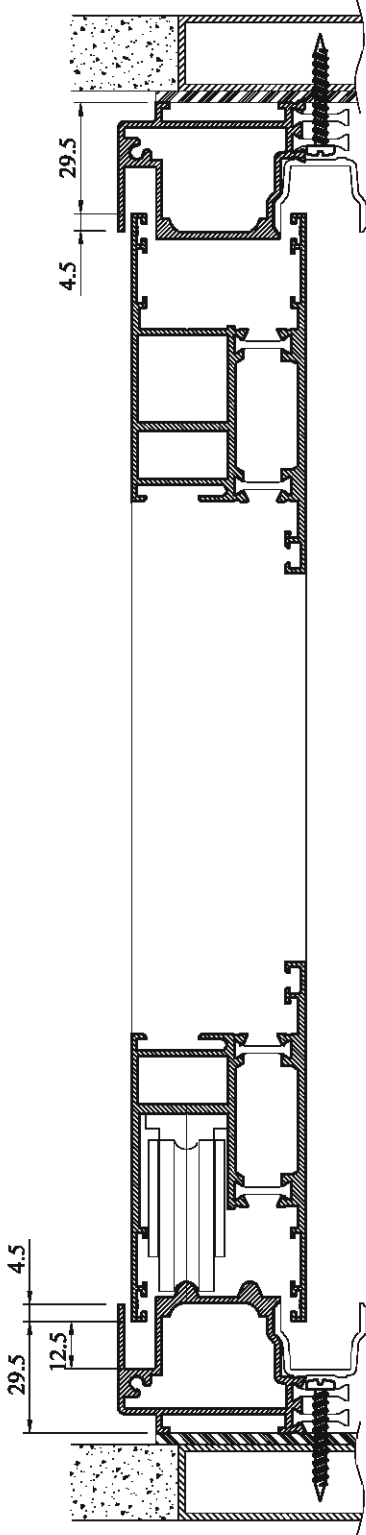
GÖNYELİ KASA, KANAT VE CAM KESİM ÖLÇÜLERİ



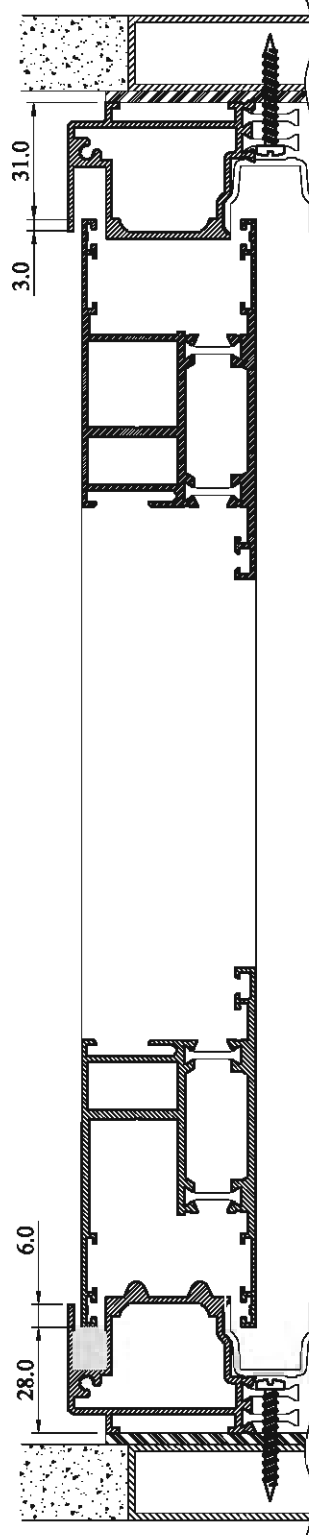
PROFİLLERİN; İSİM ve NUMARALARI		KESİM ÖLÇÜSÜ	ADET
ÜST KASA	32121-16	L	1
ALT KASA	32111-16 / 32112-16	L	1
YAN KASA	32121-16	H	2
KANAT (Yatay)	32142-16 / 32143-16	L/2 + 17	4
KANAT (Düşey)	32142-16 / 32143-16	H - 59	4

CAM	YATAY ÖLÇÜ	DÜŞEY ÖLÇÜ	ADET
H-220	L/2 - 140	H - 220	2

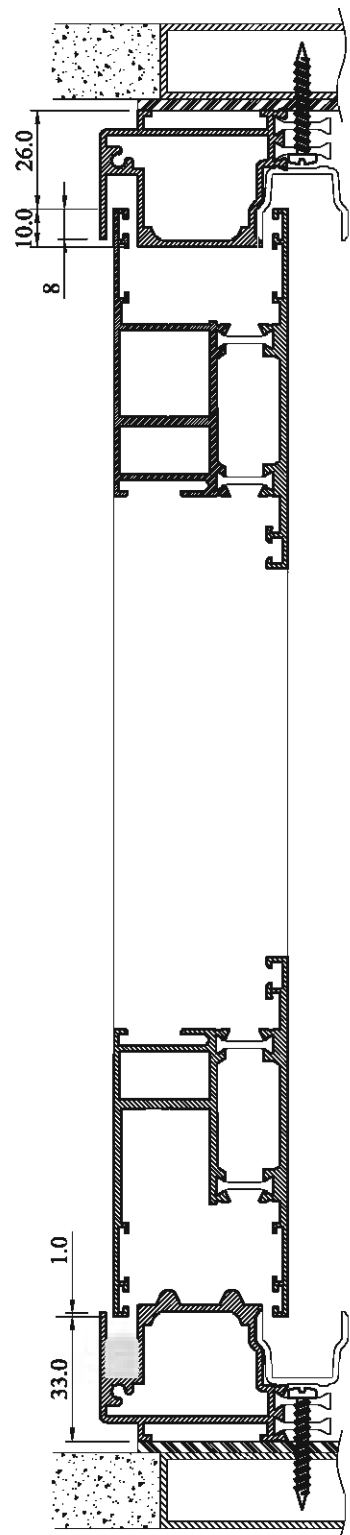




ISI YALITIMLI SÜRME
KASA KANAT İLİŞKİSİ
(GENÇER RULMANI)



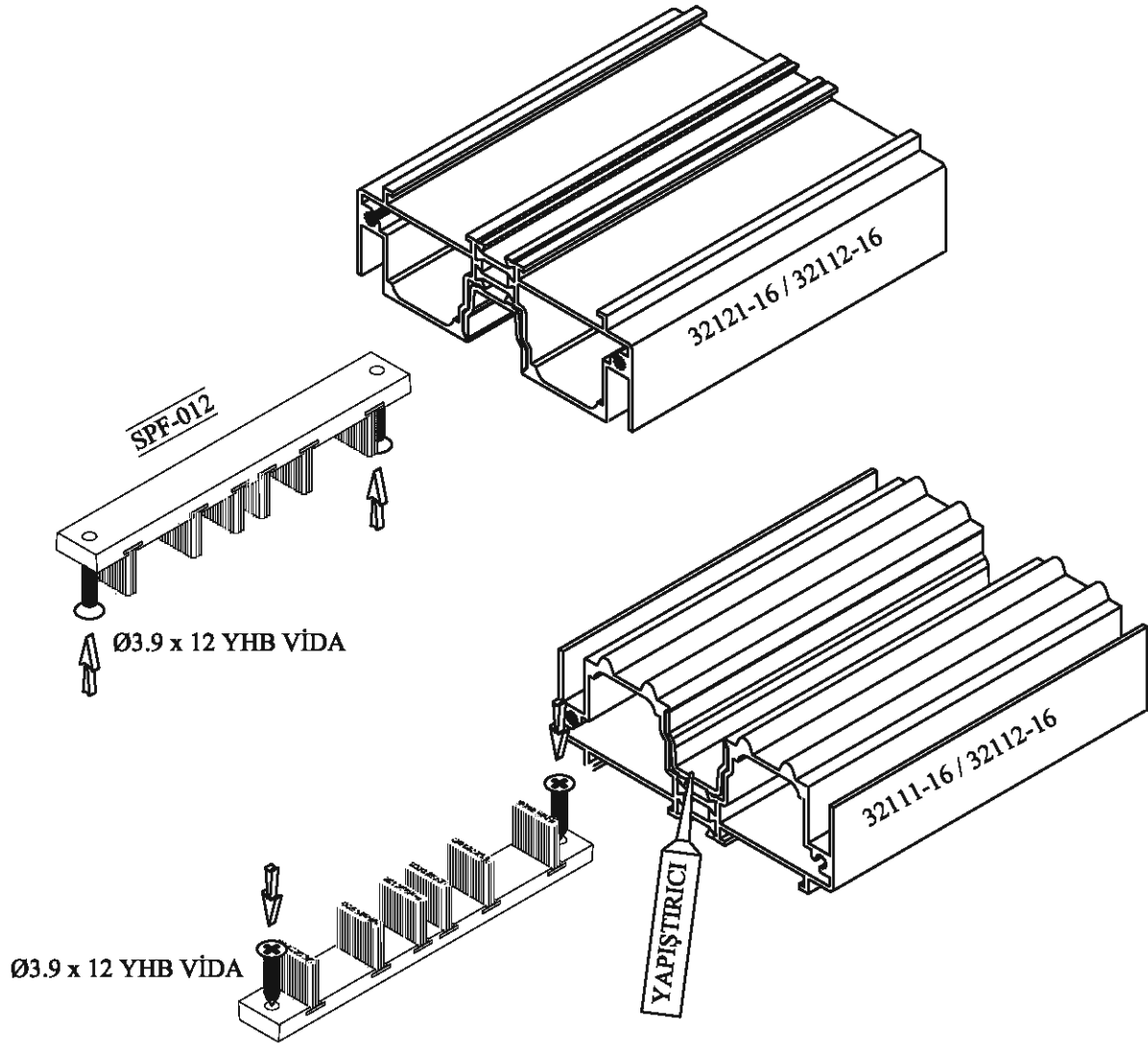
HEBE - SCHIEBE
(KALDIR- SÜR)
KAPALI KONUM



HEBE - SCHIEBE
(KALDIR- SÜR)
HAREKETLİ KONUM

Ölçek: 1/2

SPF-012 ORTA KENET PLASTİĞİ MONTAJI



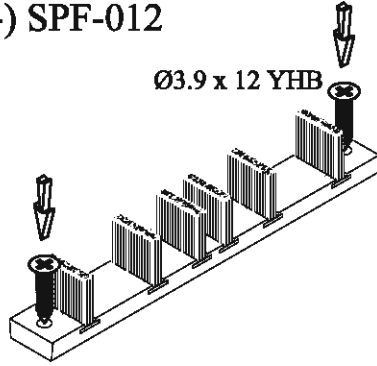
MONTAJ SIRASI

- 1)- Montajı yapılmış olan kasada; kanat çerçevesini alt raya oturtmak için çerçeve önce yukarı itilerek üst raya takılmalıdır. Bunu takiben kanat çerçevesindeki altındaki tekerliklerin alt ray hizasına gelmesiyle kanat serbest bırakılır.
- 2)- Kanatların çalışması kontrol edilir.
- 3)- Orta kenet kısmı belirlendikten sonra üst kasa ve alt kasa ray profiline SPF-012 kıl fitil plastiği Ø3.9x12 YHB vida ile montajı sağlanır. (NOT: SF -012 kıl fitil plastiği montajından sonra etrafını su sızdırmamazlığı için yapıştırıcı ile çevreleyiniz.)

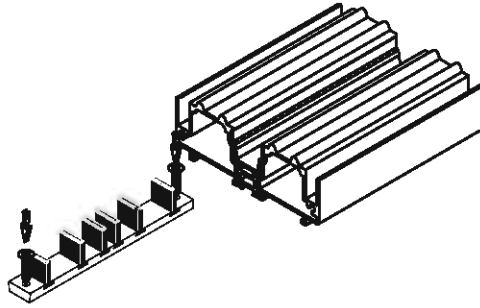
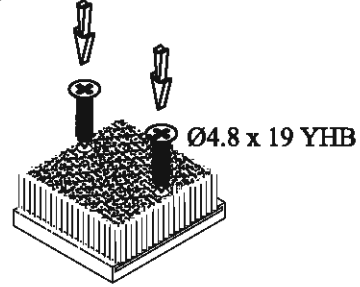
SÖKÜLME SIRASI

- 1)- Üst kasa Orta kenet kısmında bulunan SPF-012 kıl fitil plastiğinin Ø4.8x12 YHB vida sökülür.
- 2)- SPF-012 kıl fitil plastiği çıkartılmasından sonra oluşturulmuş sürme kanatlar kasadan çıkartılır.

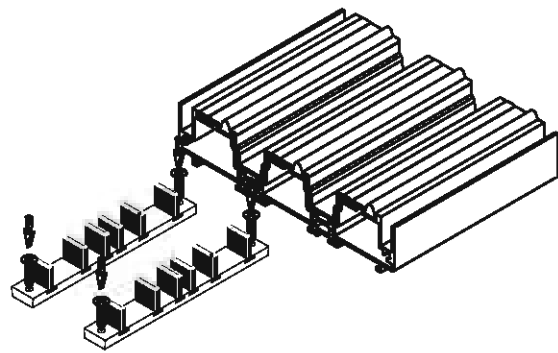
A-) SPF-012



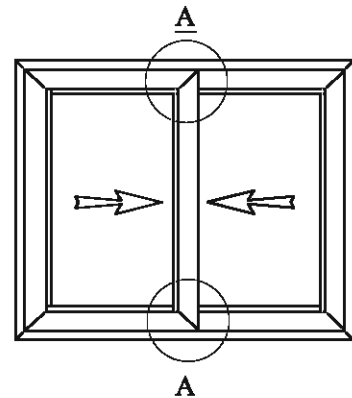
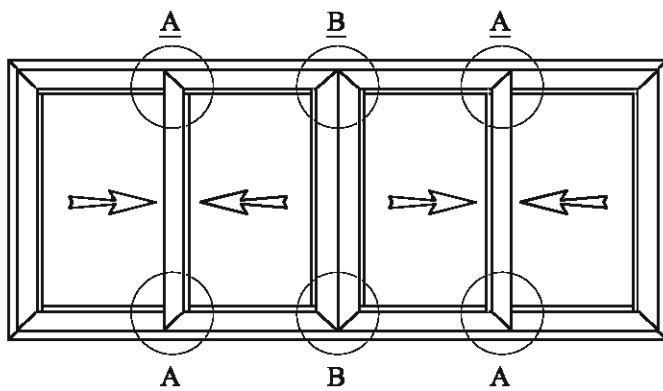
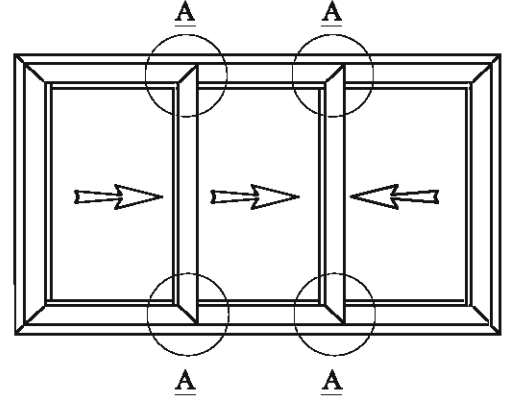
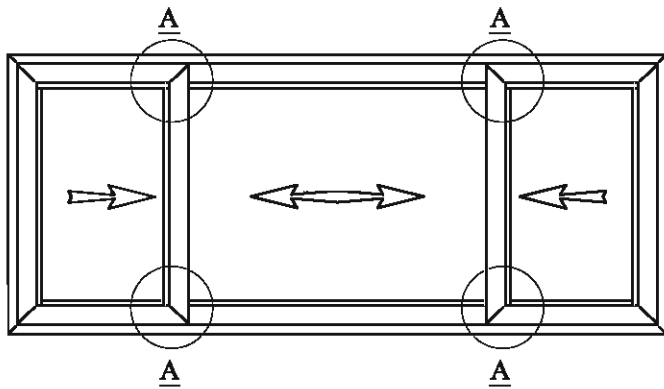
B-) SPF-15

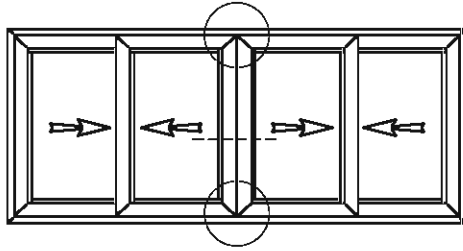


İKİLİ SÜRME
KIL FİTİL PLASTİK KULLANIMI

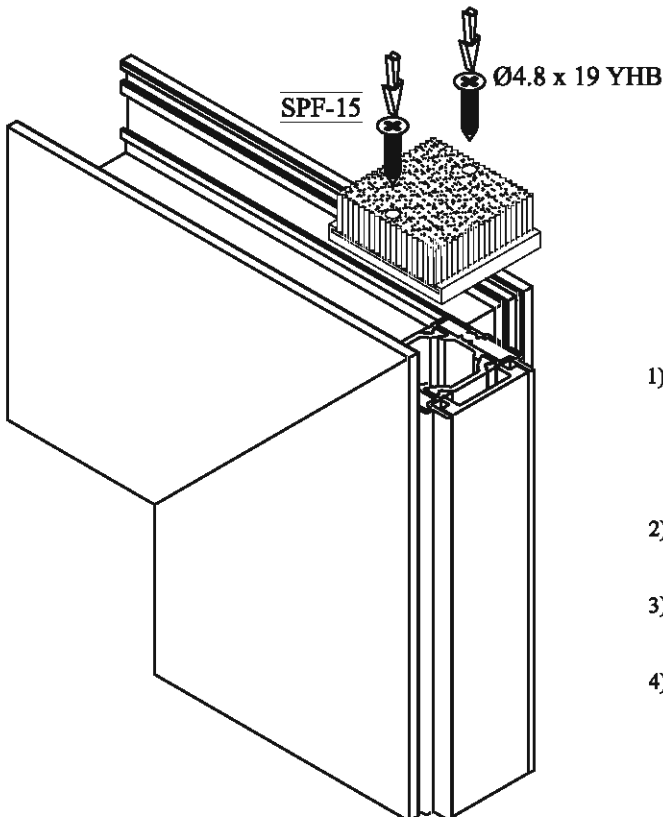
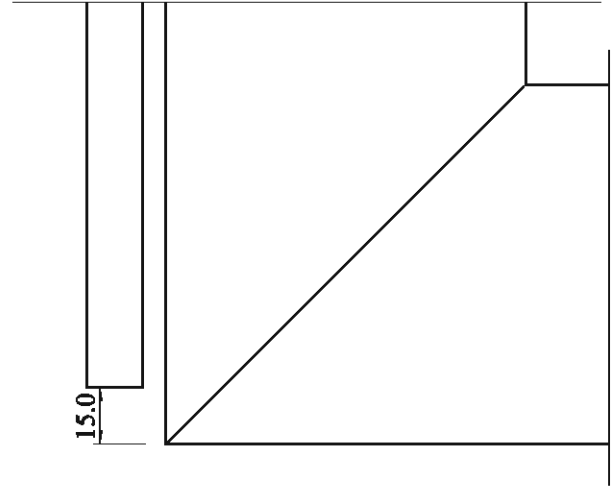
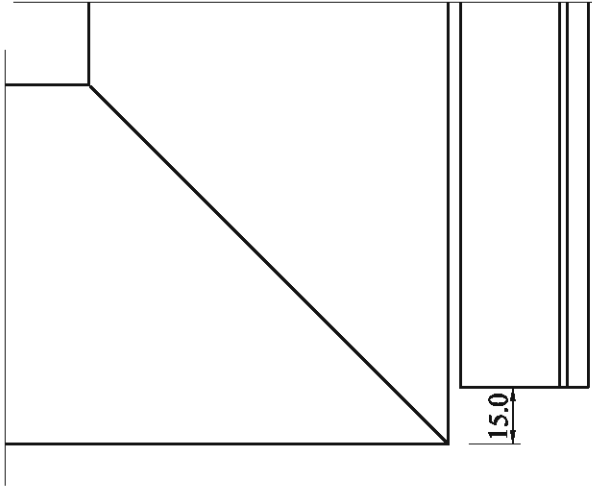
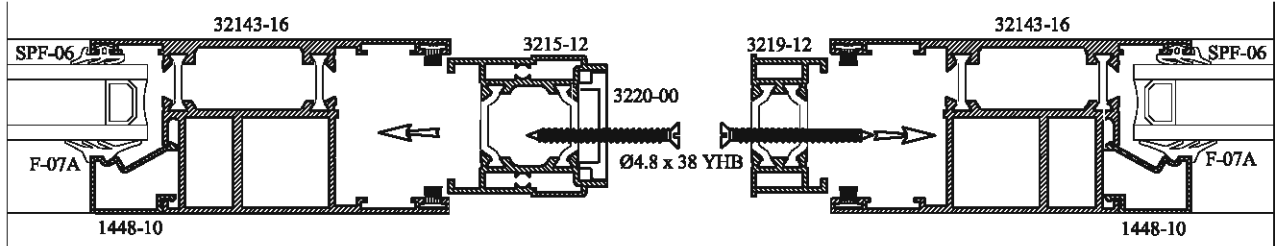


ÜÇLÜ SÜRME
KIL FİTİL PLASTİK KULLANIMI



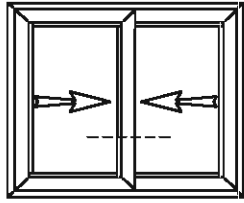


DÖRT KANATLI SÜRME ORTA BİRLEŞİM

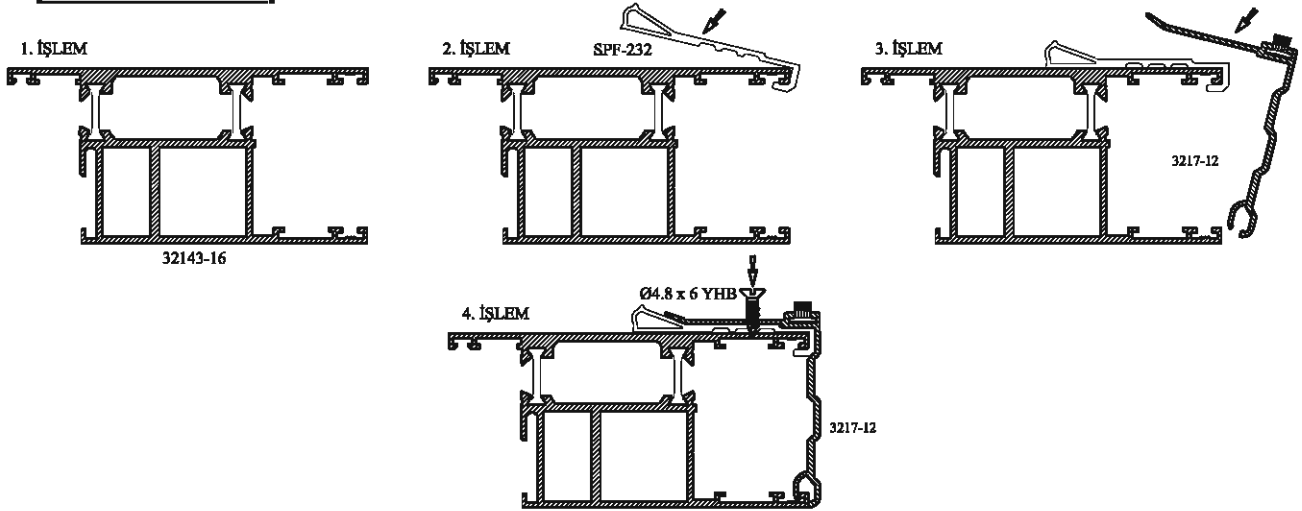


MONTAJ SIRASI

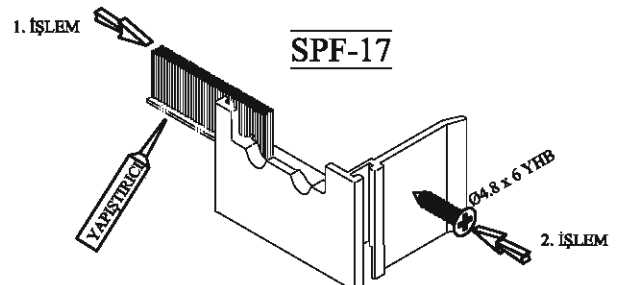
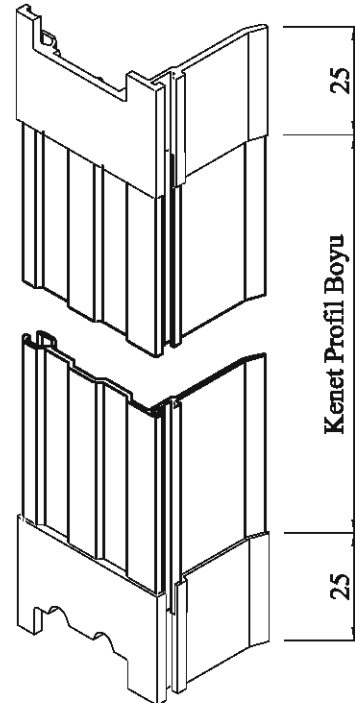
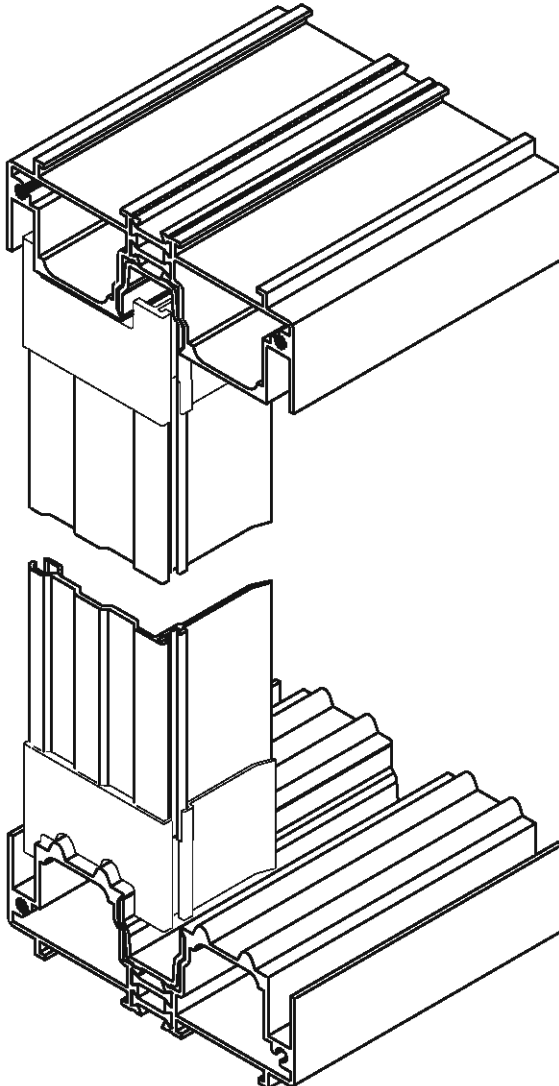
- 1)- Montajı yapılmış olan kasada; kanat çerçevesini alt raya oturtmak için çerçeve önce yukarı itilerek üst raya takılmalıdır. Bunu takiben kanat çerçevesinin altındaki tekerleklerin alt ray hizasına gelmesiyle kanat serbest bırakılır.
- 2)- 3215-12 ve 3219-12 adaptör profilleri kanat altından ve üstünden 15mm + 15mm = 30mm kısa kesilir.
- 3)- 3215-12 adaptör profilinin alt ve üst kısmına SPF-15 kıl fitil plastiği Ø4.8x19 YHB ile vidalanır.
- 4)- Orta birleşim adaptörleri sağ ve sol orta kanatlara Ø4.8x38 YHB ile vidalanır.



KANAT ALIN KAPATMA (KENET) PROFİL MONTAJ DETAYLARI

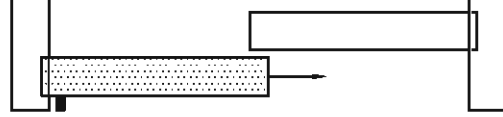


NOT: Oluşturulmuş kanat çerçevesine takılan Kanat Alın Kapatma(Kenet) Profilli kanat hizasından 25 + 25 =50 mm kısa kesilir.(Kenet plastiğinin yüksekliği 25 mm'dir.)

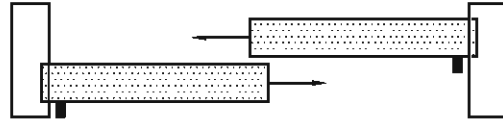


UYGULANABİLECEK ŞEMALAR

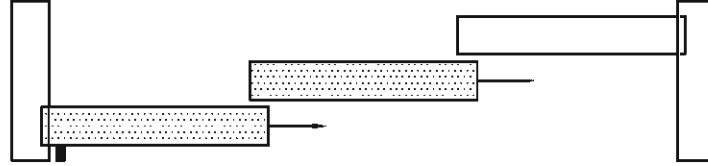
ŞEMA A



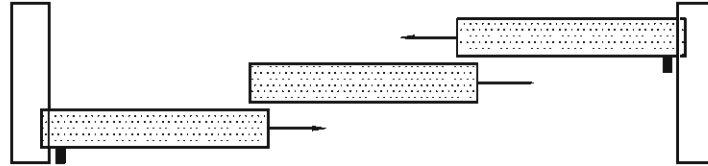
ŞEMA B



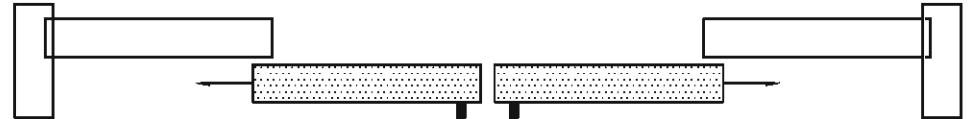
ŞEMA C



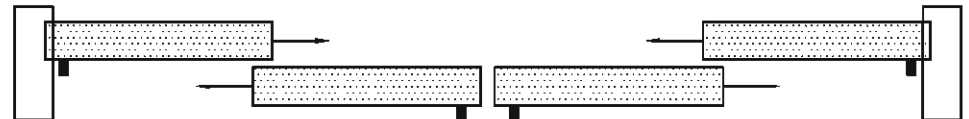
ŞEMA D



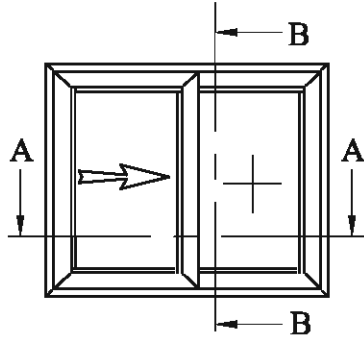
ŞEMA E



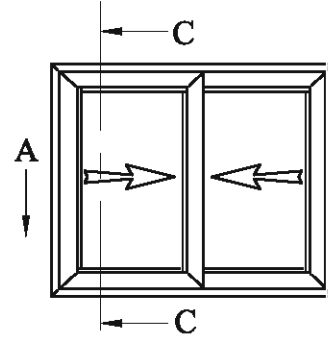
ŞEMA F



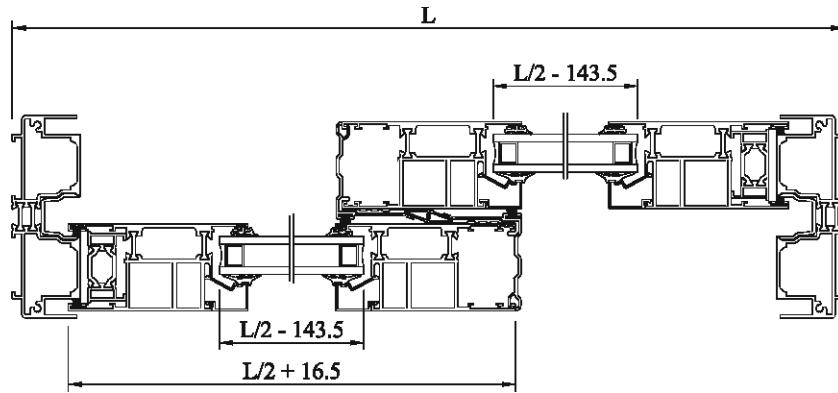
ŞEMA A



ŞEMA B

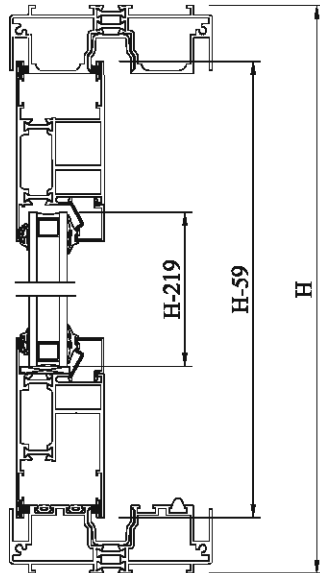


A-A Kesiti



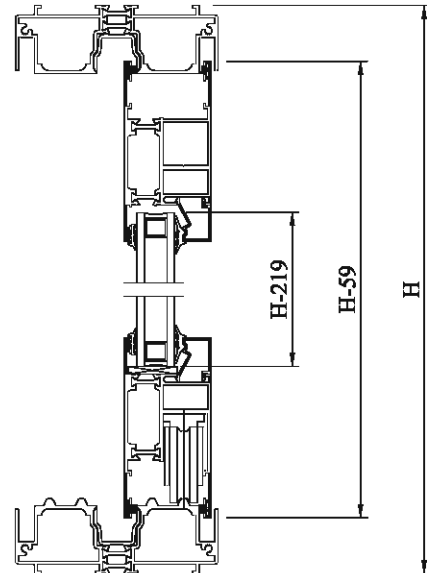
¼ Ölçek

B-B Kesiti



¼ Ölçek

C-C Kesiti

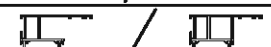


¼ Ölçek

ŞEMA A

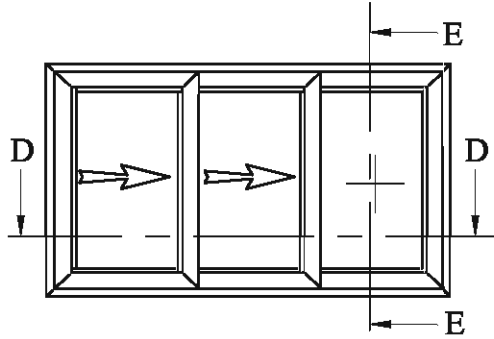
PROFİL	PROFİLLERİN KODU	PROFİLLERİN RESMİ	KESİM FORMÜLÜ	KULLANIM ADEDİ
Üst Kasa	32121-16 / 32112-16		L	1
Alt Kasa	32112-16		L	1
Yan Kasa	32121-16 / 32112-16		H	2
Kanat (Yatay)	32142-16 / 32143-16		$L/2 + 16.5$	4
Kanat (Düşey)	32142-16 / 32143-16		H - 59	4
Kanat Kapatma Çıtası	3217-12		H-109	2
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	4
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	4
Kilit Adaptörü	3219-12		H-89	2

ŞEMA B

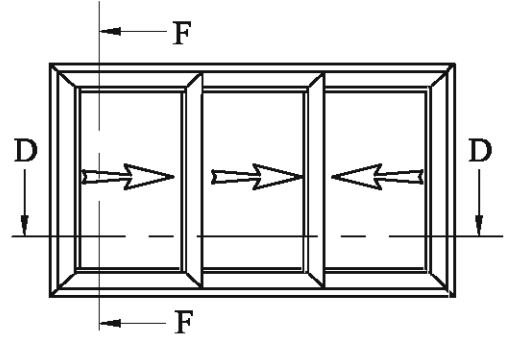
PROFİL	PROFİLLERİN KODU	PROFİLLERİN RESMİ	KESİM FORMÜLÜ	KULLANIM ADEDİ
Üst Kasa	32121-16 / 32112-16		L	1
Alt Kasa	32111-16 / 32112-16		L	1
Yan Kasa	32121-16 / 32112-16		H	2
Kanat (Yatay)	32142-16 / 32143-16		$L/2 + 16.5$	4
Kanat (Düşey)	32142-16 / 32143-16		H - 59	4
Kanat Kapatma Çıtası	3217-12		H-109	2
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	4
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	4
Kilit Adaptörü	3219-12		H-89	2

Cam kesim ölçüsü		Adet
Yatay ölçü	L/2 - 143.5	2
Düşey ölçü	H -219	
Camın her 2 tarafında da 4mm'den toplam 8mm'lik takoz boşluğu bırakılmıştır. Plastik takoz kullanmanızı ve zorunluluk haricinde 4mm boşluğu korumanızı öneririz.		

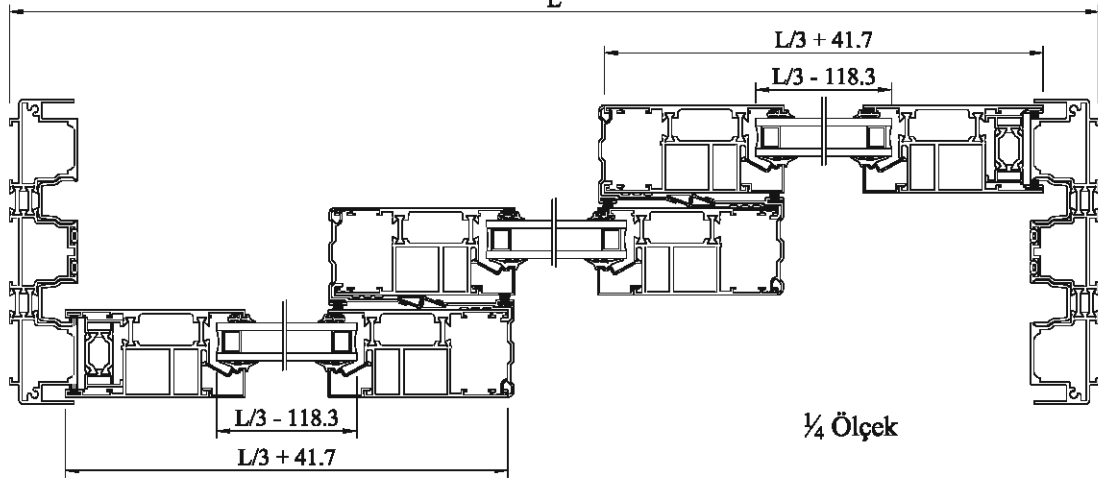
ŞEMA C



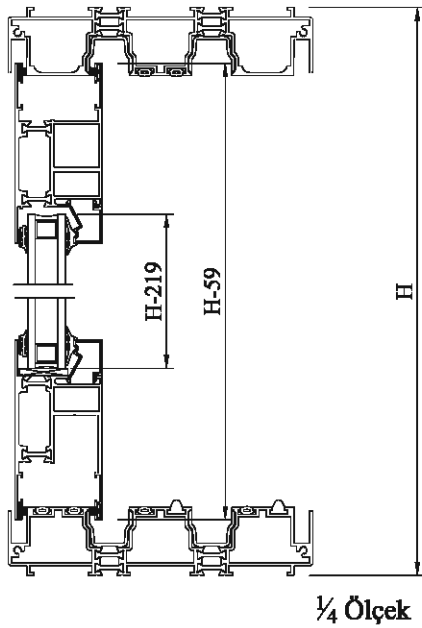
ŞEMA D



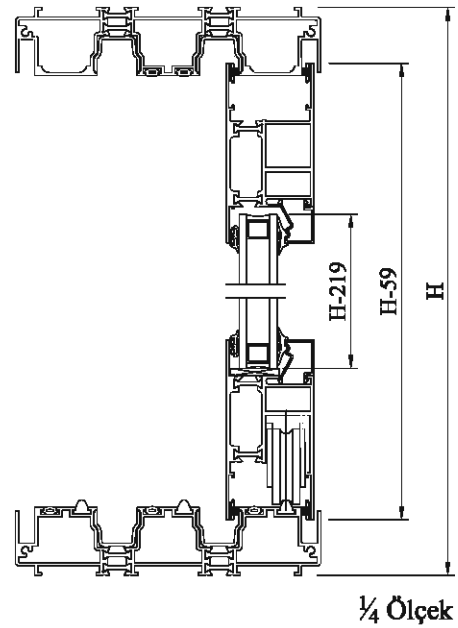
D-D Kesiti
L



E-E Kesiti



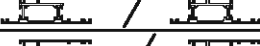
F-F Kesiti



ŞEMA C

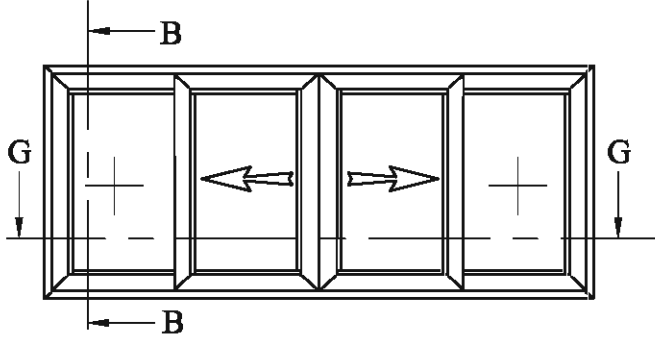
PROFİL	PROFİLLERİN KODU	PROFİLLERİN RESMİ	KESİM FORMÜLÜ	KULLANIM ADEDİ
Üst Kasa	32131-16 / 32132-16		L	1
Alt Kasa	32132-16		L	1
Yan Kasa	32131-16 / 32132-16		H	2
Kanat (Yatay)	32142-16 / 32143-16		$L/3 + 41.7$	6
Kanat (Düşey)	32142-16 / 32143-16		H - 59	6
Kanat Kapatma Çıtası	3217-12		H-109	4
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa:41)		---	6
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa:41)		---	6
Kilit Adaptörü	3219-12		H-89	2

ŞEMA D

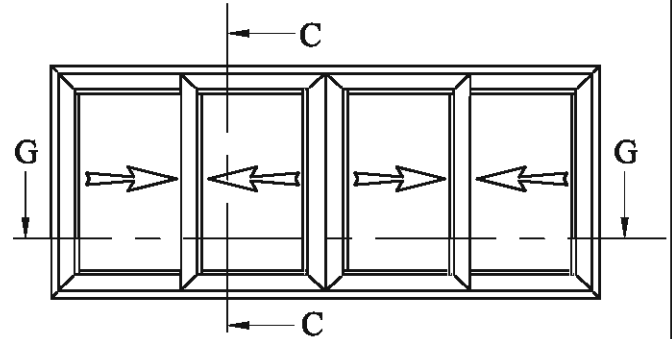
PROFİL	PROFİLLERİN KODU	PROFİLLERİN RESMİ	KESİM FORMÜLÜ	KULLANIM ADEDİ
Üst Kasa	32131-16 / 32132-16		L	1
Alt Kasa	32132-16		L	1
Yan Kasa	32131-16 / 32132-16		H	2
Kanat (Yatay)	32142-16 / 32143-16		$L/3 + 41.7$	6
Kanat (Düşey)	32142-16 / 32143-16		H - 59	6
Kanat Kapatma Çıtası	3217-12		H-109	4
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	6
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	6
Kilit Adaptörü	3219-12		H-89	2

Cam kesim ölçüsü		Adet
Yatay ölçü	L/3 - 118.3	3
Düşey ölçü	H -219	
Camın her 2 tarafında da 4mm'den toplam 8mm'lik takoz boşluğu bırakılmıştır. Plastik takoz kullanmanızı ve zorunluluk haricinde 4mm boşluğu korumanızı öneririz.		

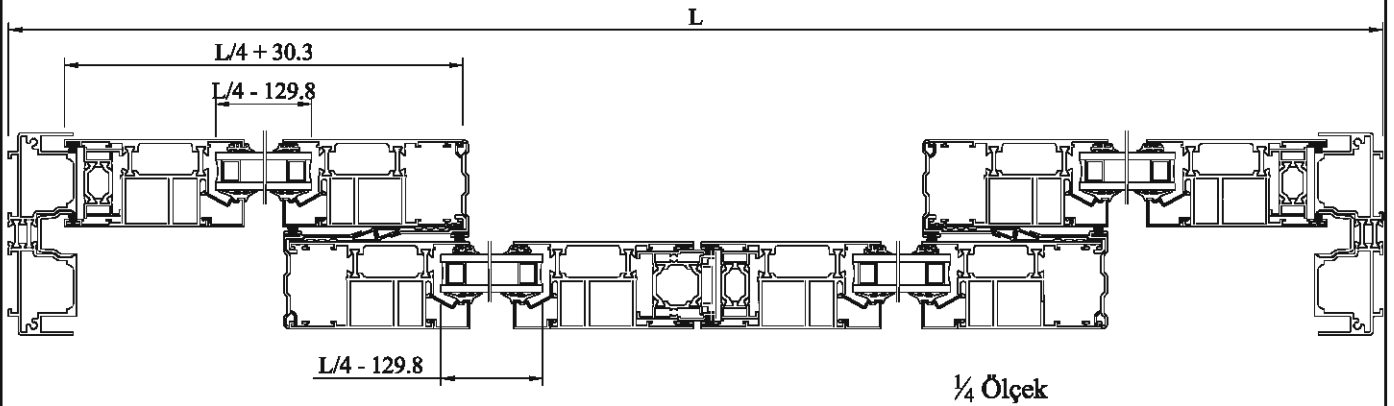
ŞEMA E



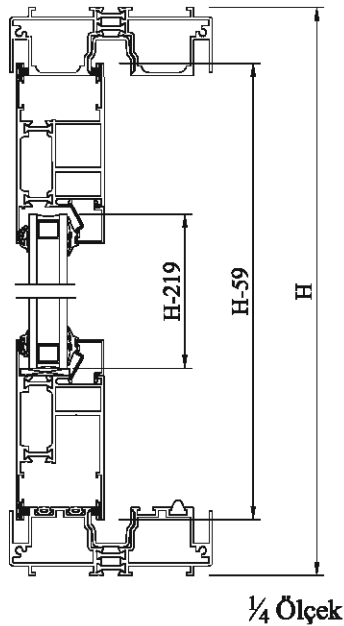
ŞEMA F



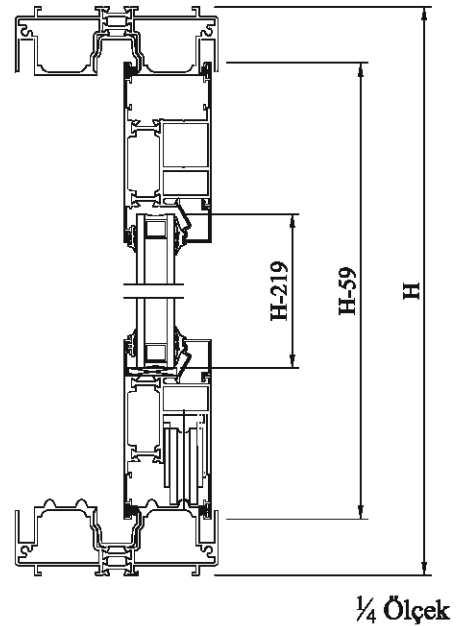
G-G Kesiti



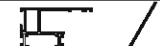
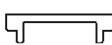
B-B Kesiti



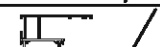
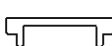
C-C Kesiti



ŞEMA E

PROFİL	PROFİLLERİN KODU	PROFİLLERİN RESMİ	KESİM FORMÜLÜ	KULLANIM ADEDİ
Üst Kasa	32121-16 / 32112-16		L	1
Alt Kasa	32112-16		L	1
Yan Kasa	32121-16 / 32112-16		H	2
Kanat (Yatay)	32142-16 / 32143-16		L/4 +30.3	8
Kanat (Düsey)	32142-16 / 32143-16		H - 59	8
Kanat Kapatma Çıtası	3217-12		H-109	4
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	8
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	8
Kilit Adaptörü	3219-12		H-89	3
Kanat Birleşim	3215-12		H-89	1
Kilit Karşılığı	3220-00		H-89	3

ŞEMA F

PROFİL	PROFİLLERİN KODU	PROFİLLERİN RESMİ	KESİM FORMÜLÜ	KULLANIM ADEDİ
Üst Kasa	32121-16 / 32112-16		L	1
Alt Kasa	32112-16		L	1
Yan Kasa	32121-16 / 32112-16		H	2
Kanat (Yatay)	32142-16 / 32143-16		L/4 +30.3	8
Kanat (Düsey)	32142-16 / 32143-16		H - 59	8
Kanat Kapatma Çıtası	3217-12		H-109	4
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	8
Çıta	Çıta seçimi için çıta seçim tablosuna bakınız (Sayfa: 41)		---	8
Kilit Adaptörü	3219-12		H-89	3
Kanat Birleşim	3215-12		H-89	1
Kilit Karşılığı	3220-00		H-89	3

Cam kesim ölçüsü		Adet
Yatay ölçü	L/4 - 129.8	4
Düsey ölçü	H -219	
Camın her 2 tarafında da 4mm'den toplam 8mm'lik takoz boşluğu bırakılmıştır. Plastik takoz kullanmanızı ve zorunluluk haricinde 4mm boşluğu korumanızı öneririz.		