

MINİMAL SÜRME SİSTEM

MINIMAL SLIDING SYSTEM



 **zahit**[®]
ALÜMİNYUM



Hakkımızda / About Us

1983 yılında Zahit Balbay tarafından ilk kapı-pencere doğrama atölyesi olarak temelleri atılan Zahit Alüminyum, bugün 30'dan fazla ülkeye ihracat yapan Türkiye'nin prestijli üretim firmaları arasında yer alıyor.

1990'lı yıllarda şirketleşme süreçleri ile alt yapı yatırımlarına hız veren firmamız, yatırım ve üretim kapasitesiyle sektörün lider kuruluşları arasına girmeyi başarmıştır. 1998 yılında ekstrüzyon prosesi ile ilk profilleri üreten Zahit Alüminyum, 2000'li yılların başında üretim hacmini artırmak ve daha kaliteli ürünler üretmek için yeni üretim hatları ve yüzey işlem hatlarını devreye almıştır.

Zahit Alüminyum, bugün dünyanın önde gelen alüminyum şirketleri arasında yer alma ve sektöre güç katma hedefiyle sektörün her alanında 600'den fazla çalışanı ile yenilikçi çözümler sunan, globalde mağaza ve bayi ağını kuran, üretimin %50'sini 30'dan fazla ülkeye ihracat yapan uluslararası bir firma konumundadır.

Farklı Sektörlere Faaliyet Gösteriyoruz

Şirketimiz; şu an beş binin üzerinde olan ürün çeşitliliği ile inşaat, enerji, savunma sanayi, otomotiv, elektrik-elektronik, medikal, mobilya ve reklam sektörlerinde faaliyet göstermektedir. Adana Hacı Sabancı Organize Sanayi Bölgesinde, 40.000 m² kapalı olmak üzere toplam 60.000 m² alanda, yıllık 25.000 ton biyet döküm, 20.000 ton (6 adet) kapasiteli alüminyum ekstrüzyon profil hattı, 7.500 ton üretim kapasiteli dikey elektrostatik boyama hattı, 700 ton kapasiteli ahşap kaplama hattı, 12.000 ton kapasiteli eloksal yüzey kaplama hattı ve 1.500.000 m² kapasiteli alüminyum kompozit panel tesisine sahiptir.

Uluslararası Kalite Standartlarına Sahibiz

Entegre yönetim sistemi ile uluslararası kalite standartlarında üretim yapan firmamız, istikrarlı satış politikası ile müşteri taleplerine hızlı ve ekonomik çözümler sunmaktadır. Zahit Alüminyum; ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 50001 ve AFGM onaylı tedarikçi yönetim sistemlerine sahiptir. TSE, CE, ROHS, REACH, QUALANOD ve QUALICOAT Seaside sertifikalarına sahip ürünler üretmektedir.

Üretimin her aşamasında kimyasal ve metalografik analizler, boyutsal ölçümler ve yüzey testleri ile tam kalite kontrol sağlanmaktadır.

Romidot cihazlarıyla hassas ölçüm yapılmakta; kalite kontrol, kaplama kalınlığı, yüzey parlaklığı ve korozyon direnci testleriyle desteklenmektedir.

Her yıl bünyesi içerisinde 5S tekniklerini uygulamakta ve proses iyileştirmeleri sağlanmaktadır. Ayrıca ürettiği ürünler ile "Teknolojik Ürün (TÜR) Deneyim Belgesi" almaya hak kazanmıştır.

Sektörde Herkesin Güvendiği Bir Şirketiz

Zahit Alüminyum; Ar-Ge Merkezi, dökümhane, kalıphane, kalite kontrol ve diğer yardımcı üretim birimleri ile ekstrüzyon pres hattı, eloksal yüzey işlem tesisi, elektrostatik toz boya tesisi, ahşap desen kaplama tesisi, mekanik işlem birimi ve alüminyum kompozit panel üretim hattının entegre çalışmasıyla sektörde herkesin bildiği ve güvendiği firma profili seviyesine getirmiştir. Alüminyum profil grubunda mimari sistem profilleri, endüstriyel profiller, solar konstrüksiyon ve kompozit panel üretimlerini gerçekleştirmektedir.

Founded by Zahit Balbay in 1983 as the first window and door joinery workshop, Zahit Aluminium is today among the most prestigious manufacturing companies in Türkiye, exporting to more than 30 countries.

Accelerating its infrastructure investments through incorporation processes in the 1990s, our company has succeeded in becoming one of the leading institutions in the sector with its investment and production capacity. Zahit Aluminium manufactured its first profiles with the extrusion process in 1998 and, in the early 2000s, commissioned new production lines and surface treatment facilities to increase production volume and improve product quality.

Today, Zahit Aluminium is an international company that aims to be among the world's leading aluminium manufacturers, offering innovative solutions with more than 600 employees across every area of the industry, building a global network of stores and dealers, and exporting 50% of its production to over 30 countries.

We Operate in Various Industries

Our company operates in the construction, energy, defense, automotive, electrical-electronics, medical, furniture, and advertising sectors, with a product portfolio of more than five thousand items. In the Adana Hacı Sabancı Organized Industrial Zone, Zahit Aluminium operates on a total area of 60,000 m², including 40,000 m² of indoor space, with 25,000 tons of billet casting capacity per year; six aluminium extrusion profile lines with a total capacity of 20,000 tons; a vertical electrostatic coating line with 7,500 tons of capacity; a wood-effect coating line with 700 tons of capacity; an anodized surface treatment line with a capacity of 12,000 tons; and an aluminium composite panel facility with a production capacity of 1,500,000 m².

We Have International Quality Standards

With its integrated management system, our company manufactures in accordance with international quality standards and offers fast and economical solutions to customer demands through a stable sales policy. Zahit Aluminium holds certifications for ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 50001, and the AFGM-approved supplier management system. The company manufactures products certified by TSE, CE, ROHS, REACH, QUALANOD, and QUALICOAT Seaside.

Full quality control is ensured at every stage of production through chemical and metallographic analysis, dimensional measurement, and surface testing.

Romidot devices are used for precise measurements, and quality control is supported by coating thickness, gloss level, and corrosion resistance tests.

Each year, the company implements 5S techniques and carries out process improvements. Additionally, Zahit Aluminium has been awarded the "Technological Product (TÜR) Experience Certificate" for its manufactured products.

Widely Known and Trusted by Industry Professionals

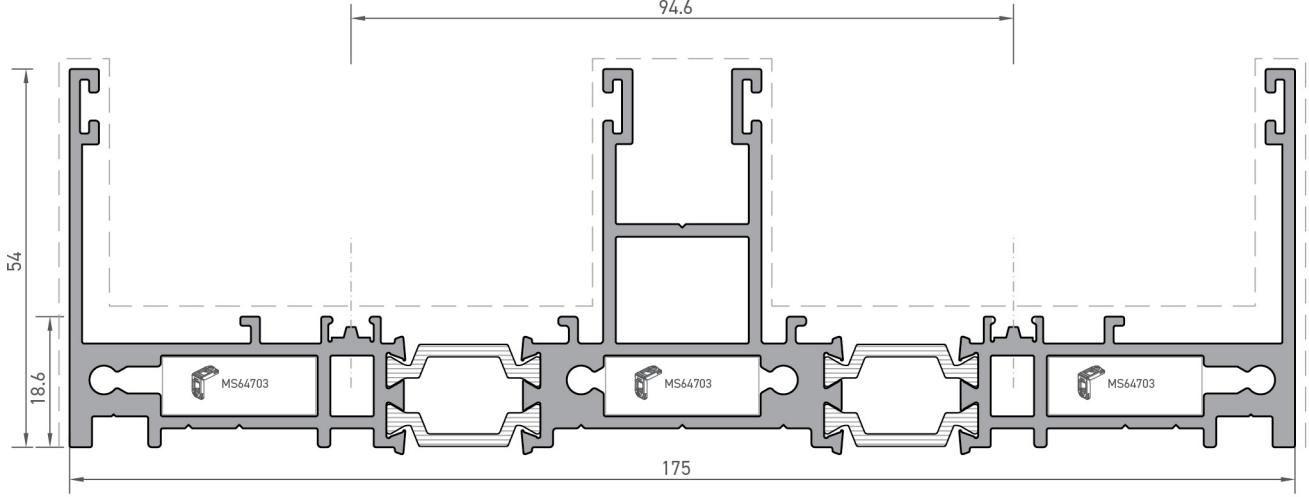
Through the integrated operation of its R&D Center, foundry, die shop, quality control, and other supporting production units, as well as its extrusion press line, anodizing surface treatment plant, electrostatic powder coating plant, wood-effect coating facility, mechanical processing unit, and aluminium composite panel production line, Zahit Aluminium has achieved a well-known and trusted reputation across the industry. In the aluminium profile group, the company manufactures architectural system profiles, industrial profiles, solar construction elements, and composite panels.





MS64 MİNİMAL SÜRME SİSTEM / MS64 MINIMAL SLIDING SYSTEM

ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES



İki Raylı Profili

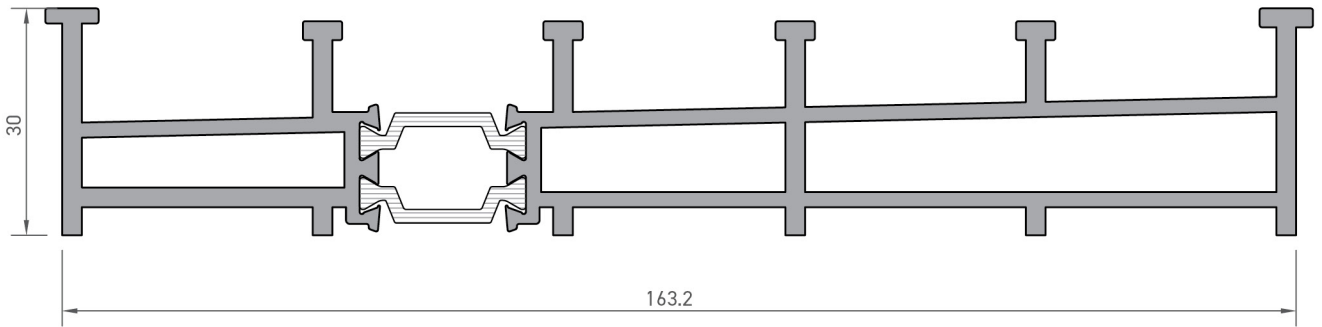
Two Rail Profile

MS64101

Weight : 3,793 kg/m

Ix : 70,02 cm⁴ / Iy : 405,22 cm⁴

Wx : 18,48 cm³ / Wy : 46,32 cm³



Su Tahliye Profili

Water Drainage Profile

MS64103

Weight : 2,925 kg/m

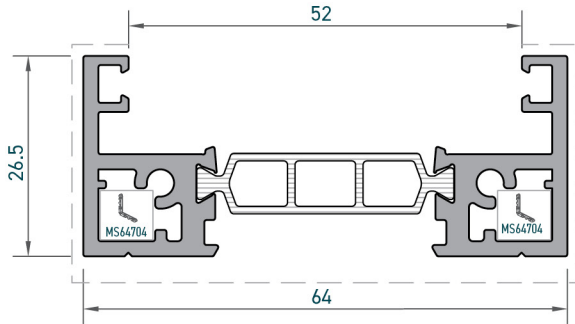
Ix : 33,59 cm⁴ / Iy : 276,32 cm⁴

Wx : 21,47 cm³ / Wy : 33,55 cm³



MS64 MİNİMAL SÜRME SİSTEM / MS64 MINIMAL SLIDING SYSTEM

ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES



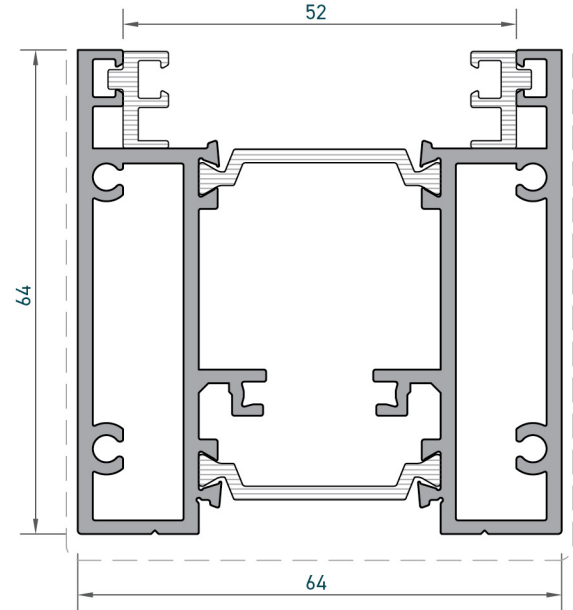
Kanat Profili
Sash Profile

MS64301

Weight : 1,031 kg/m

Ix : 6,41 cm⁴ / Iy : 21,69 cm⁴

Wx : 3,7 cm³ / Wy : 6,78 cm³



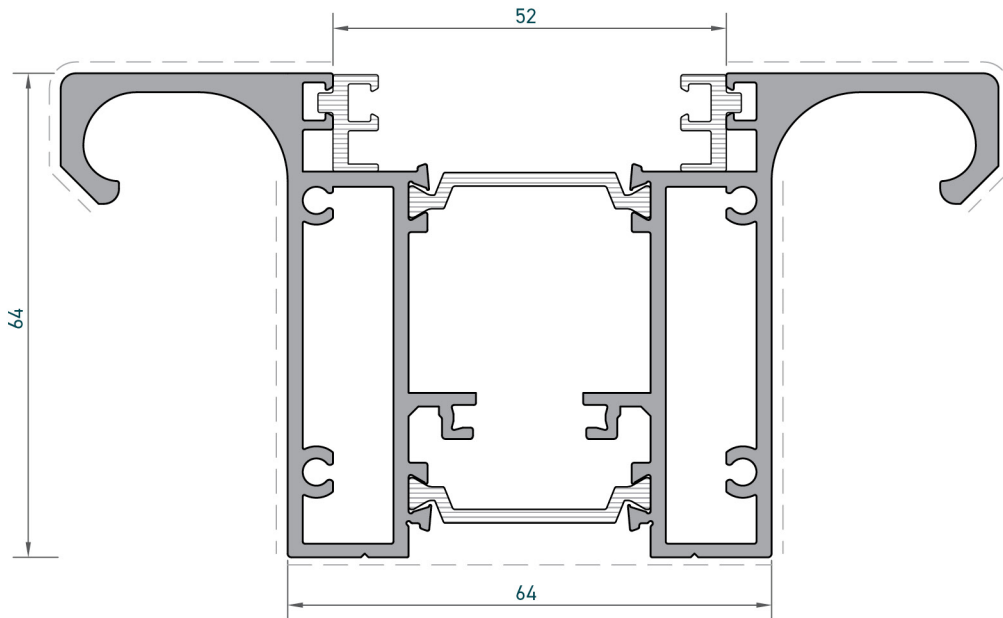
Kanat Profili
Sash Profile

MS64304

Weight : 2,100 kg/m

Ix : 89,44 cm⁴ / Iy : 42,73 cm⁴

Wx : 25,31 cm³ / Wy : 13,36 cm³



Kulplu Kanat Profili
Handle Sash Profile

MS64305

Weight : 3,165 kg/m

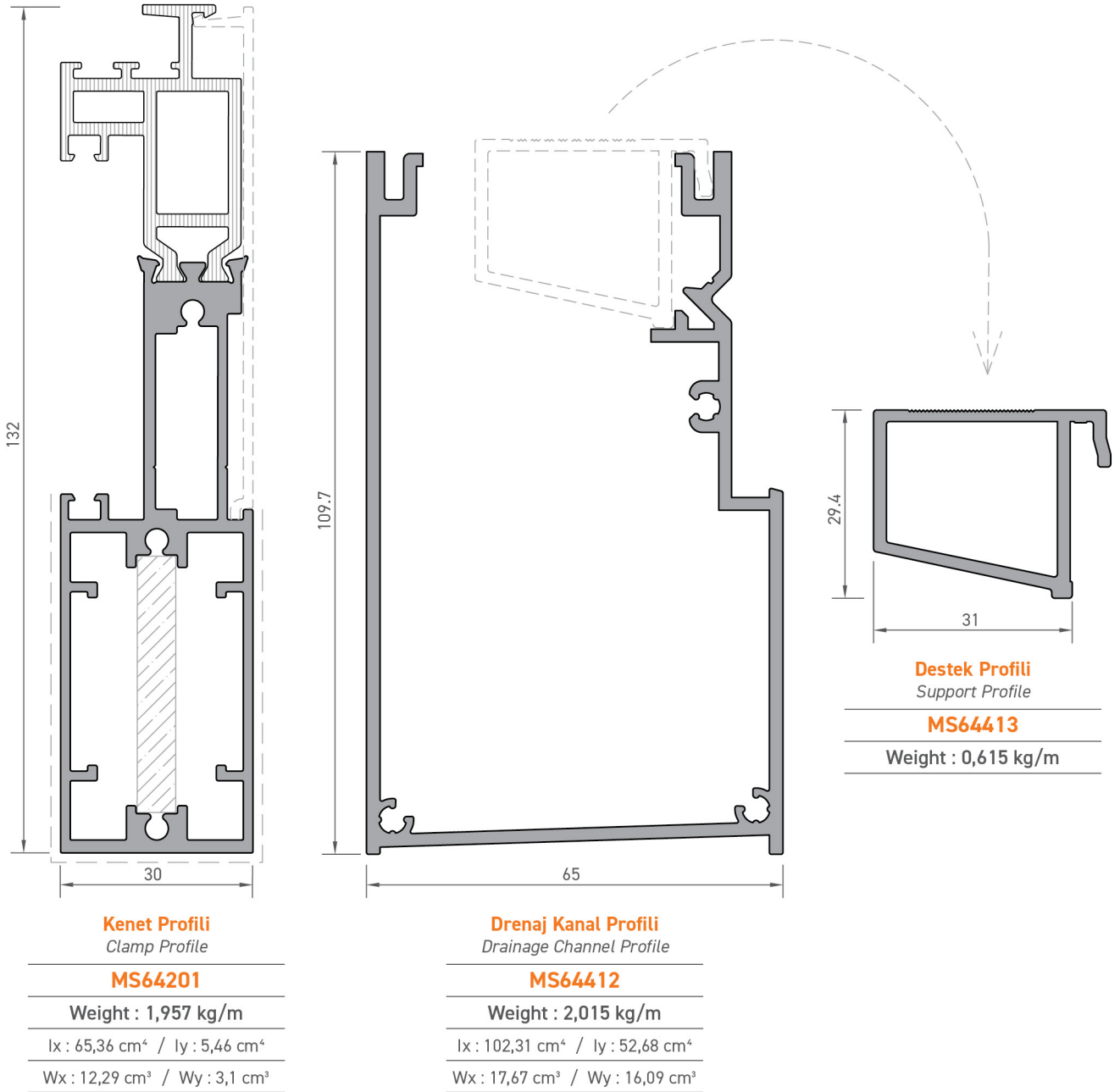
Ix : 111 cm⁴ / Iy : 125,54 cm⁴

Wx : 29,024 cm³ / Wy : 20,18 cm³



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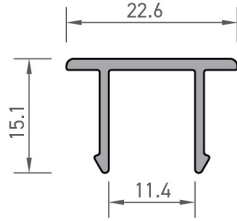
ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES





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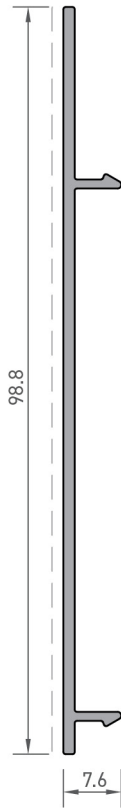
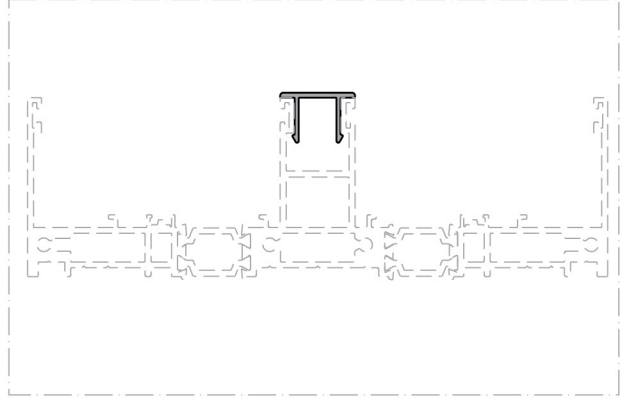
ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES



Kapak Profili
Cover Profile

MS64401

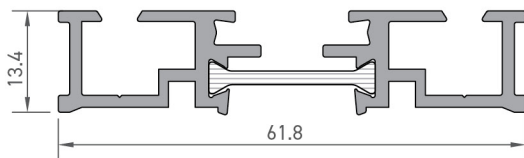
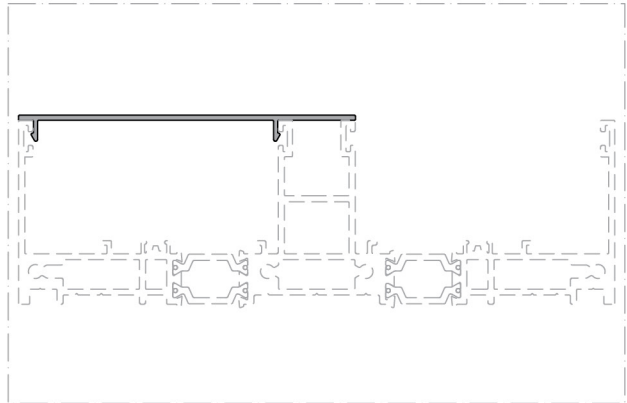
Weight : 0,182 kg/m



Kasa Kapak Profili
Frame Cover Profile

MS64402

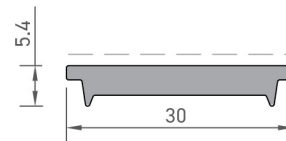
Weight : 0,444 kg/m



Kanat Adaptör Profili
Sash Adapter Profile

MS64403

Weight : 0,621 kg/m



Kanat Kapak Profili
Sash Cover Profile

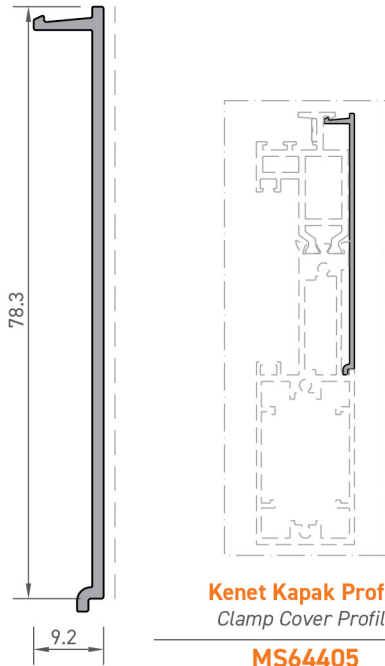
MS64414

Weight : 0,301 kg/m



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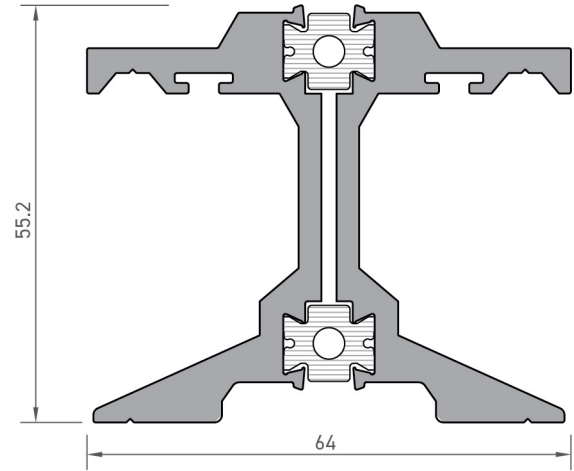
ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES



Kenet Kapak Profili
Clamp Cover Profile

MS64405

Weight : 0,360 kg/m



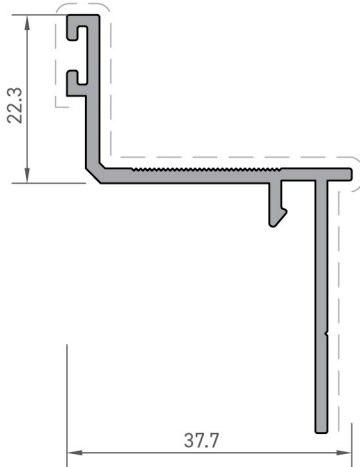
Eşiksiz Kasa Adaptör Profili
Threshold Frame Adapter Profile

MS64407

Weight : 2,580 kg/m

Ix : 65,54 cm⁴ / Iy : 20,01 cm⁴

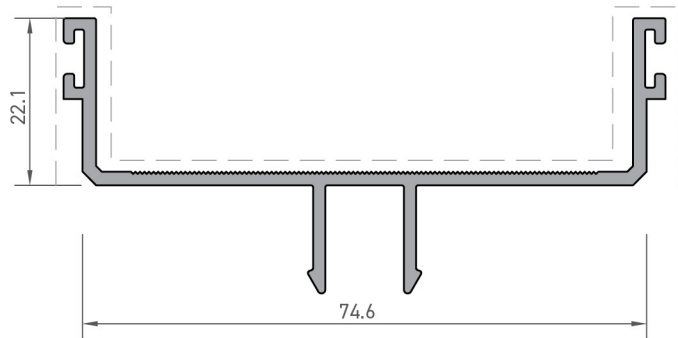
Wx : 23,73 cm³ / Wy : 6,26 cm³



Eşiksiz Kasa Kapak Profili
Threshold Frame Cover Profile

MS64408

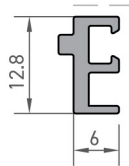
Weight : 0,465 kg/m



Eşiksiz Kasa Kapak Profili
Threshold Frame Cover Profile

MS64409

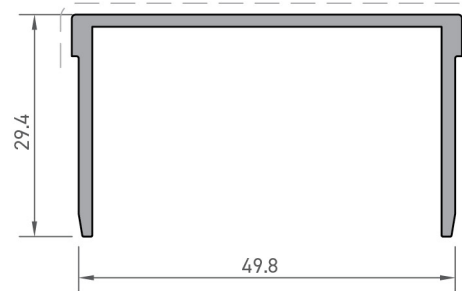
Weight : 0,715 kg/m



Cam Çıtası Profili
Glazing Bead Profile

MS64410

Weight : 0,125 kg/m



Drenaj Kapak Profili
Drainage Cover Profile

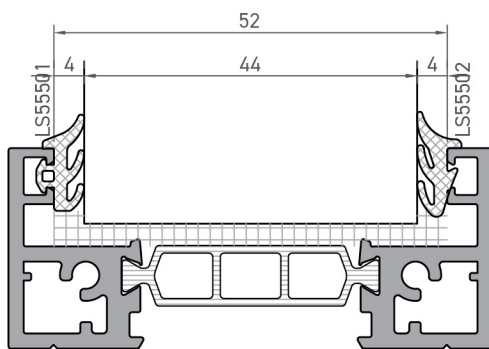
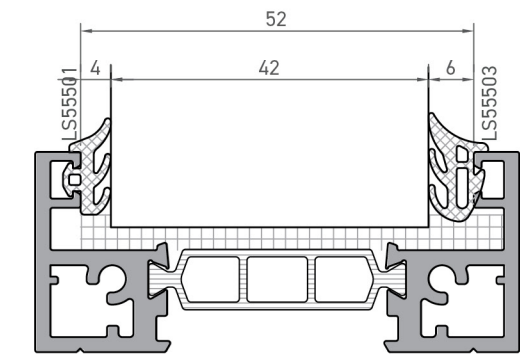
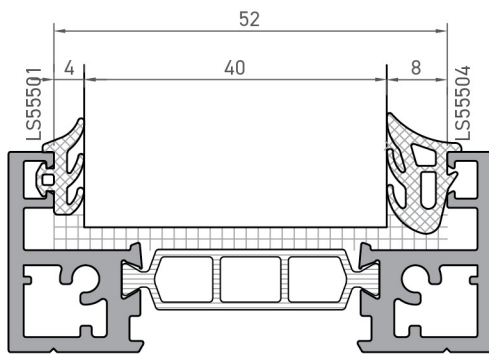
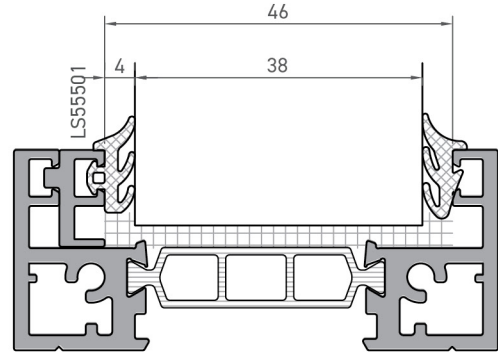
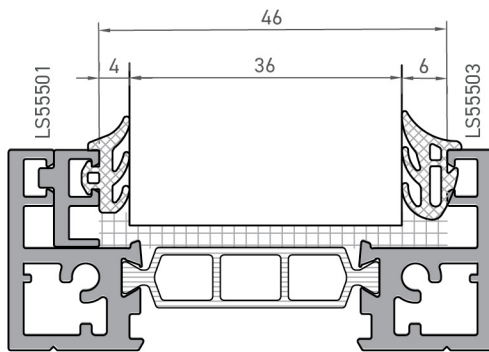
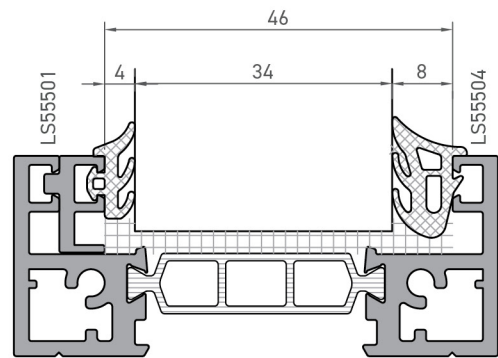
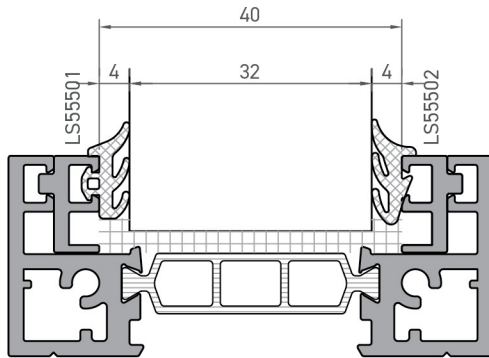
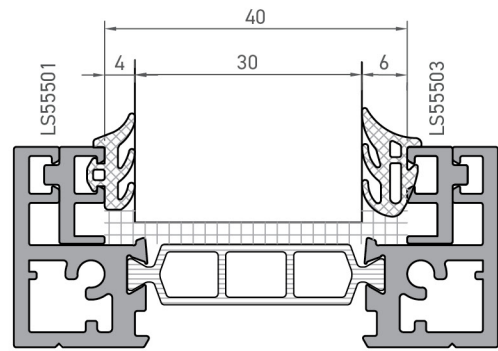
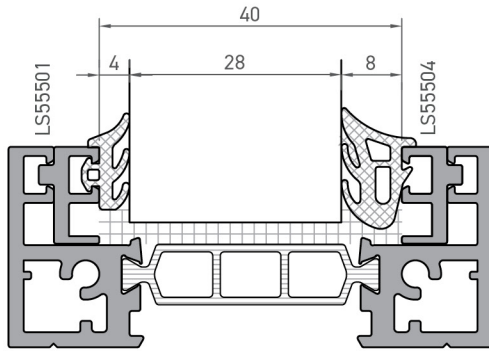
MS64411

Weight : 0,510 kg/m



MS64 MİNİMAL SÜRME SİSTEM / MS64 MINIMAL SLIDING SYSTEM

ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES





MS64 MİNİMAL SÜRME SİSTEM / MS64 MINIMAL SLIDING SYSTEM

ÜRÜN TEKNİK ÖZELLİKLERİ / PRODUCT TECHNICAL FEATURES

Kod Code	Şekil Drawing	Tanım Description	Teorik Ağırlık Theoretical Weight	Kullanım Yeri Application
LS55501		EPDM Cam Dış Fitill Glazing Gasket Outside	55 gr/m	
LS55502		EPDM Cam İç Fitill Glazing Gasket Inside	52 gr/m	
LS55503		EPDM Cam İç Fitill Glazing Gasket Inside	80 gr/m	
LS55504		EPDM Cam İç Fitill Glazing Gasket Inside	92 gr/m	
FC.50.603		EPDM Cam İç Fitill Glazing Gasket Inside	92 gr/m	
MS64504		EPDM Fitill Gasket		
MS64501		Fırça Fitil Bush Gasket		
MS64502		Fırça Fitil Bush Gasket		
MS64503		Fırça Fitil Bush Gasket		



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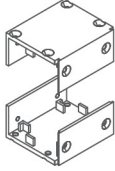
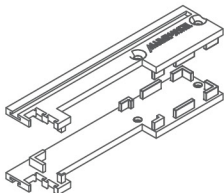
SİSTEM AKSESUARLARI / SYSTEM ACCESSORIES

Kod Code	Şekil Drawing	Tanım Description	Paket Metraj In One Package	Kullanım Yeri Application
MS64601		Kenet Profil Kapağı Clamp Profile Cover		
MS64602		Orta Kenet Sızdırmazlık Tapası Middle Clamp Sealing Plug		
MS64603		Kanat Durdurucu Sash Stopper		
MS64604		Su Tahliye Kapağı Water Drainage Cover		
MS64605		Su Tahliye Tapası Water Drainage Plug		
MS64606		Polyamid Tij Poliamid Rod		
MS64607		Sabitleme Takoza Fixing Cleat		
MS64608		Kasa Köşe Bağlantı Frame Corner Connection		
MS64609		Kanat Köşe Bağlantı Frame Corner Profile		



MS64 MİNİMAL SÜRME SİSTEM / MS64 MINIMAL SLIDING SYSTEM

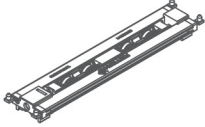
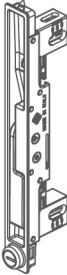
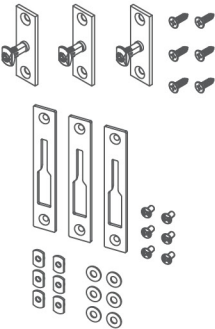
SİSTEM AKSESUARLARI / SYSTEM ACCESSORIES

Kod Code	Şekil Drawing	Tanım Description	Paket Metraj In One Package	Kullanım Yeri Application
MS64610		Kanat Köşe Vidalama Sash Corner Screwing		
MS64611		Kanat Profil Kapağı Sash Profile Cover	1 Takım	
MS64612		Kanat Profil Kapağı Sash Profile Cover	1 Takım	
MS64613		Kenet Profil Kapağı Clamp Profile Cover	1 Takım	



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SİSTEM AKSESUARLARI / SYSTEM ACCESSORIES

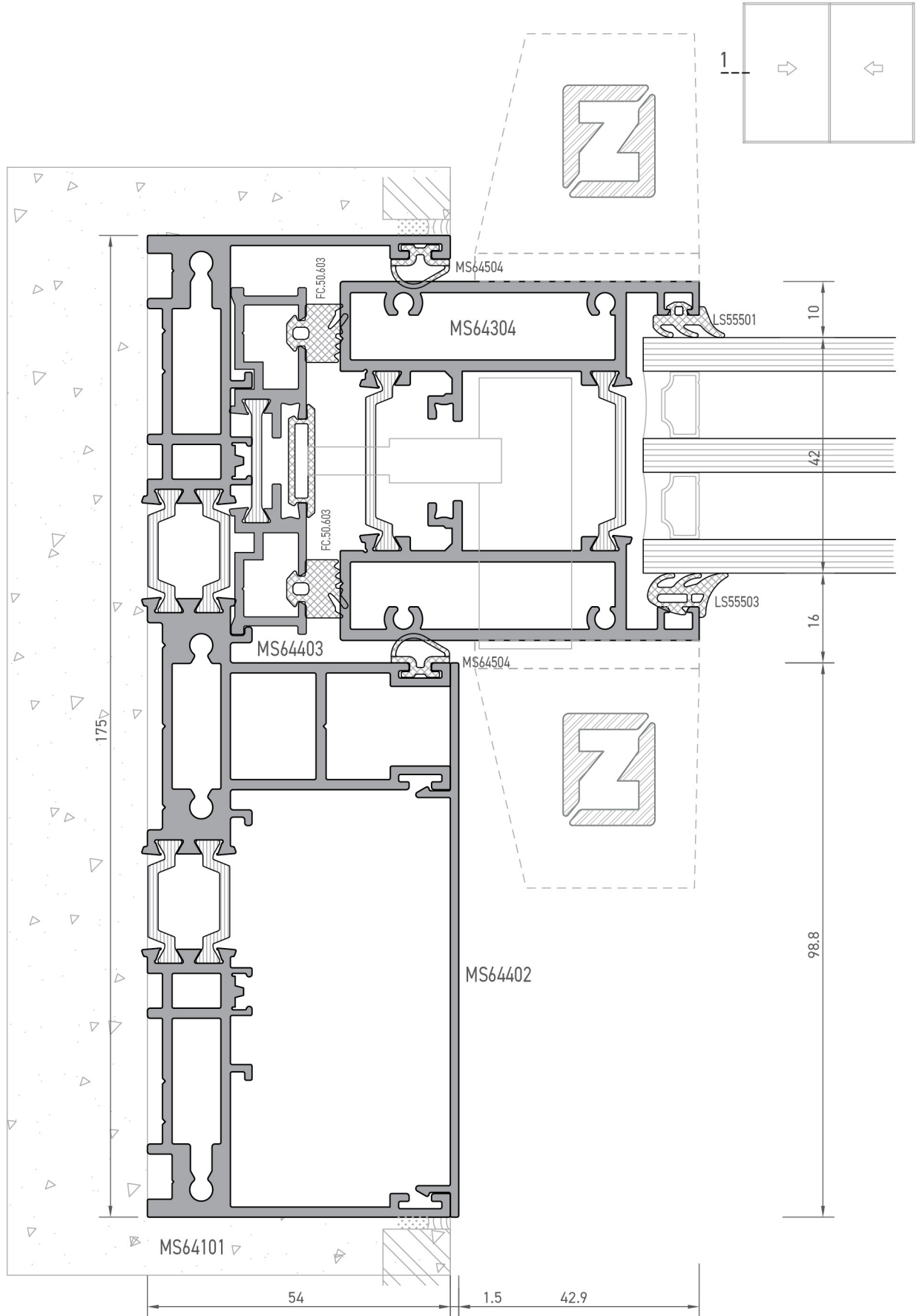
Kod Code	Şekil Drawing	Tanım Description	Paket Metraj In One Package	Kullanım Yeri Application
MS64701		Rulman Roller		
MS64702		Kol Handle	1 Pcs	
MS64703		Barelli Kolı Cylinder Handle	1 Pcs	
MS64704		Kilitleme Takımı Locking Set	2 Pcs	
MS64705		Paslanmaz Çelik Ray Profili Stainless Steel Rail Profile	2 Pcs	





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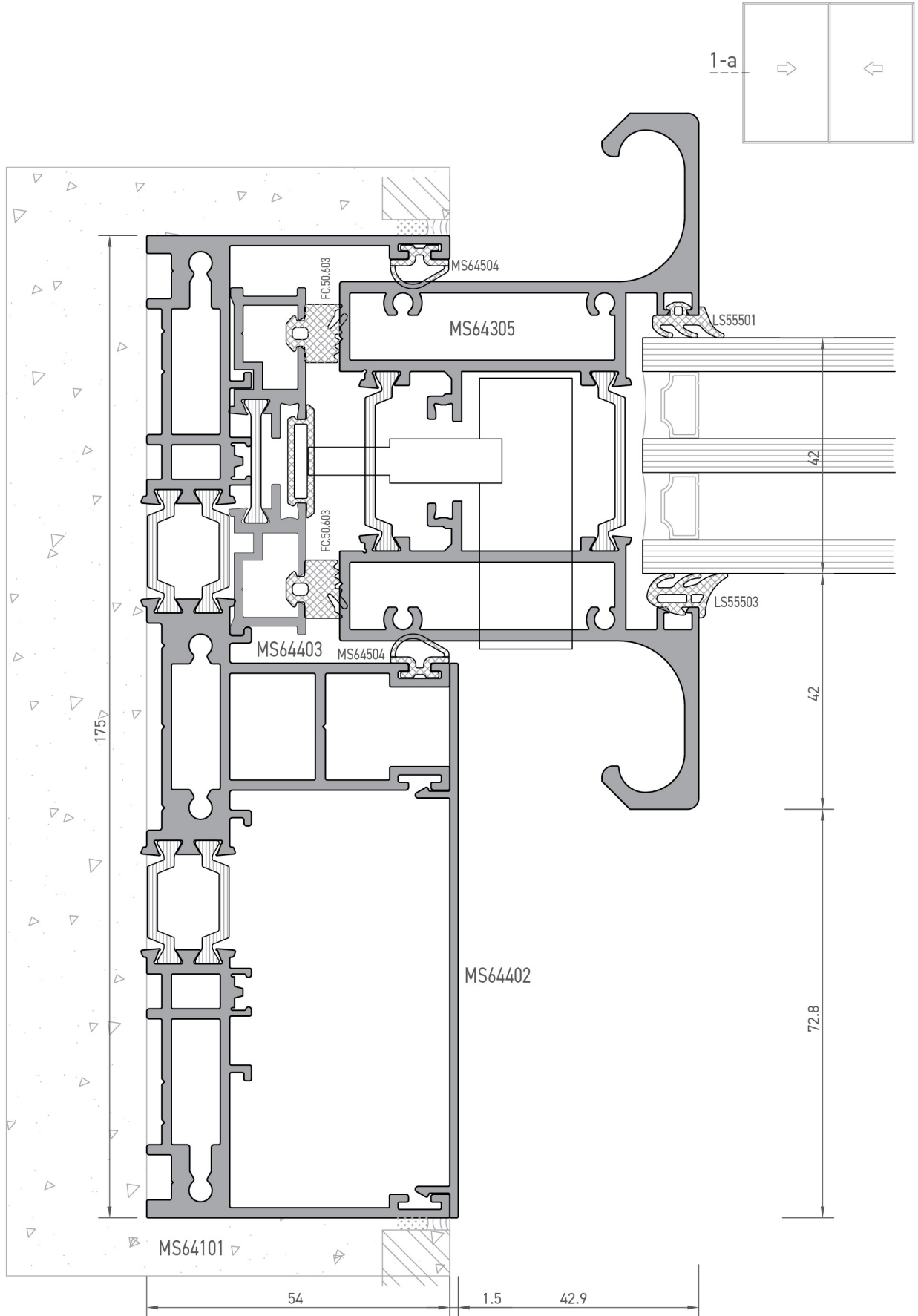
SİSTEM DETAYLARI / SYSTEM DETAILS





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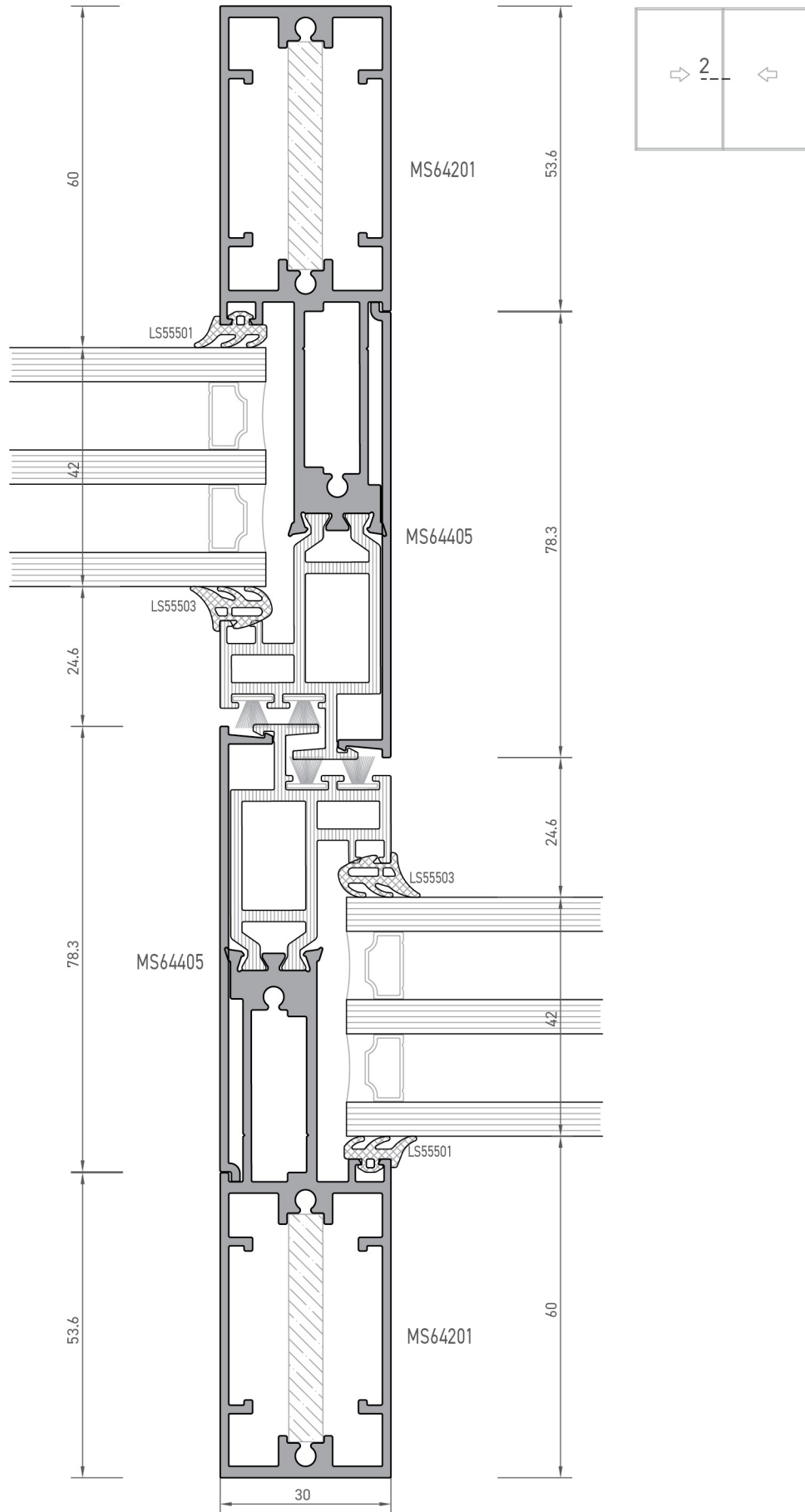
SİSTEM DETAYLARI / SYSTEM DETAILS

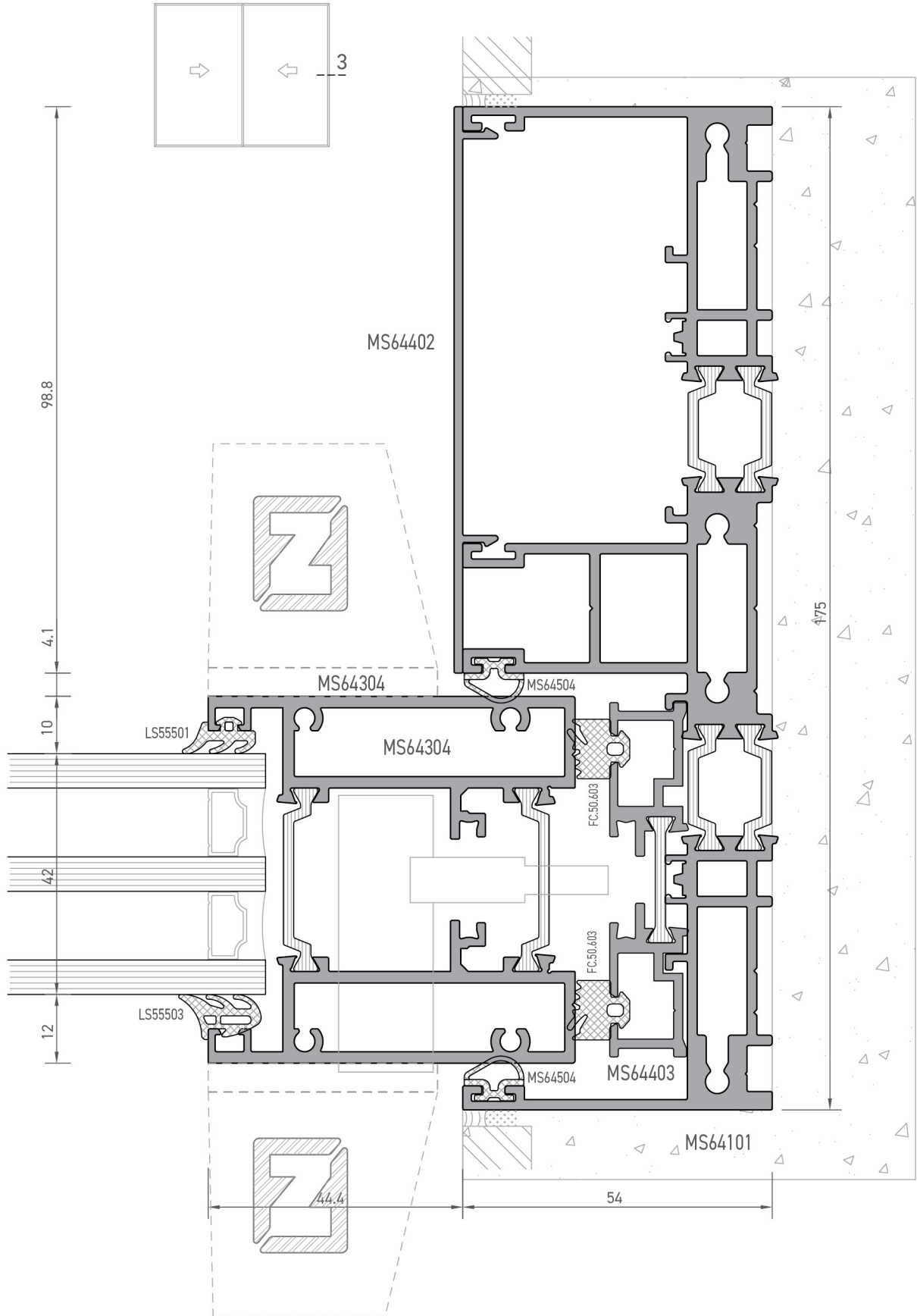




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SİSTEM DETAYLARI / SYSTEM DETAILS

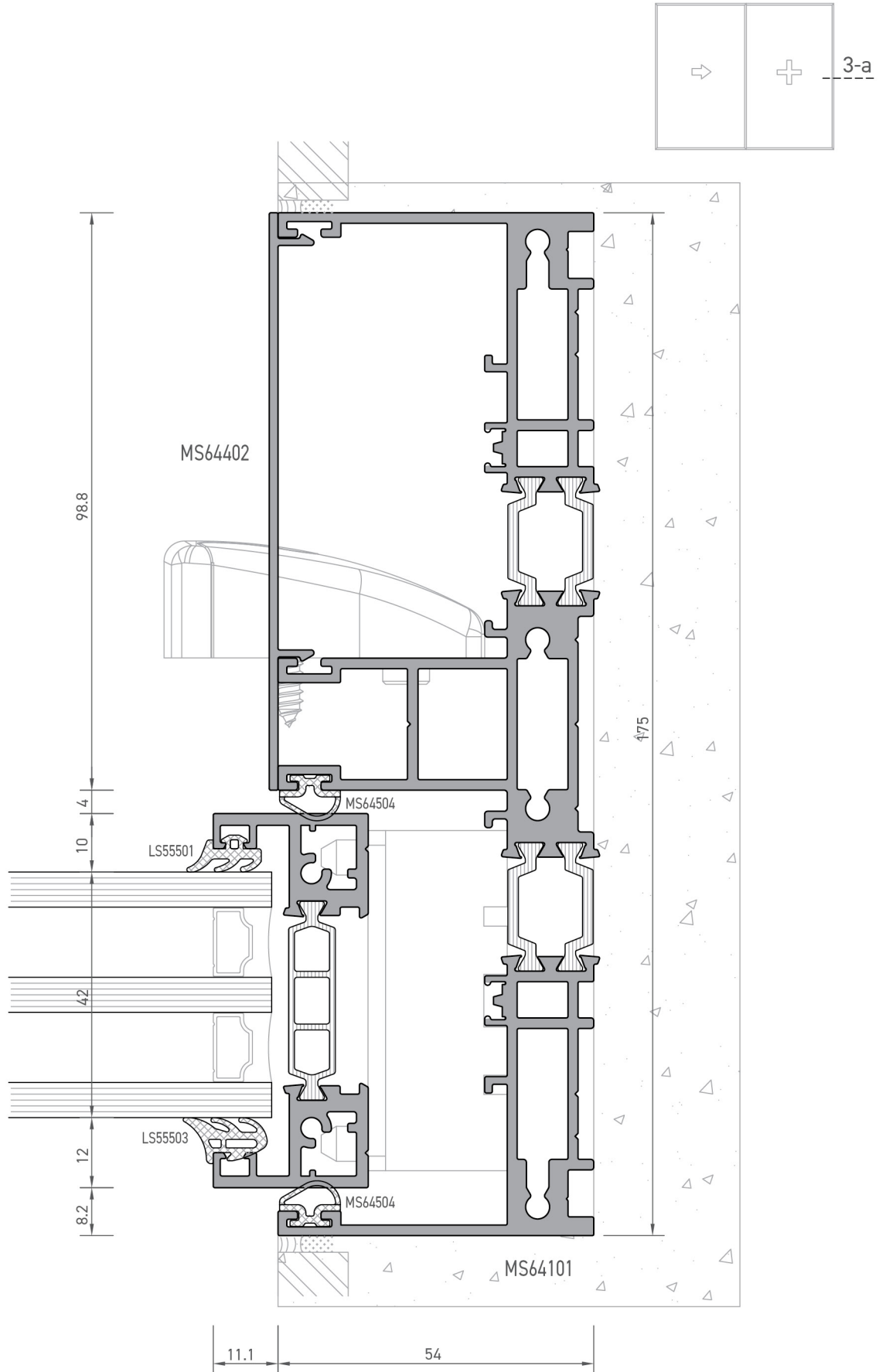






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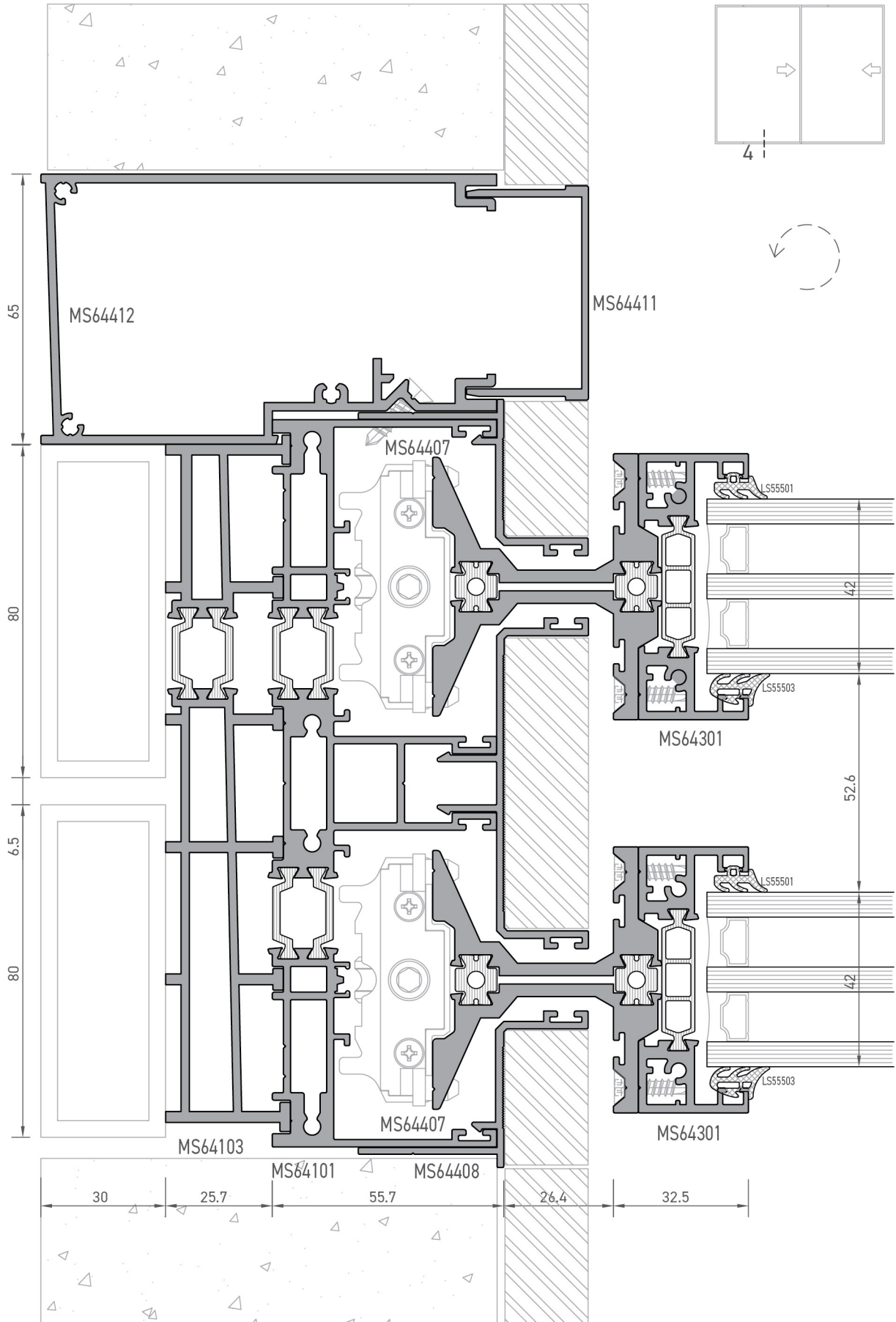
SİSTEM DETAYLARI / SYSTEM DETAILS





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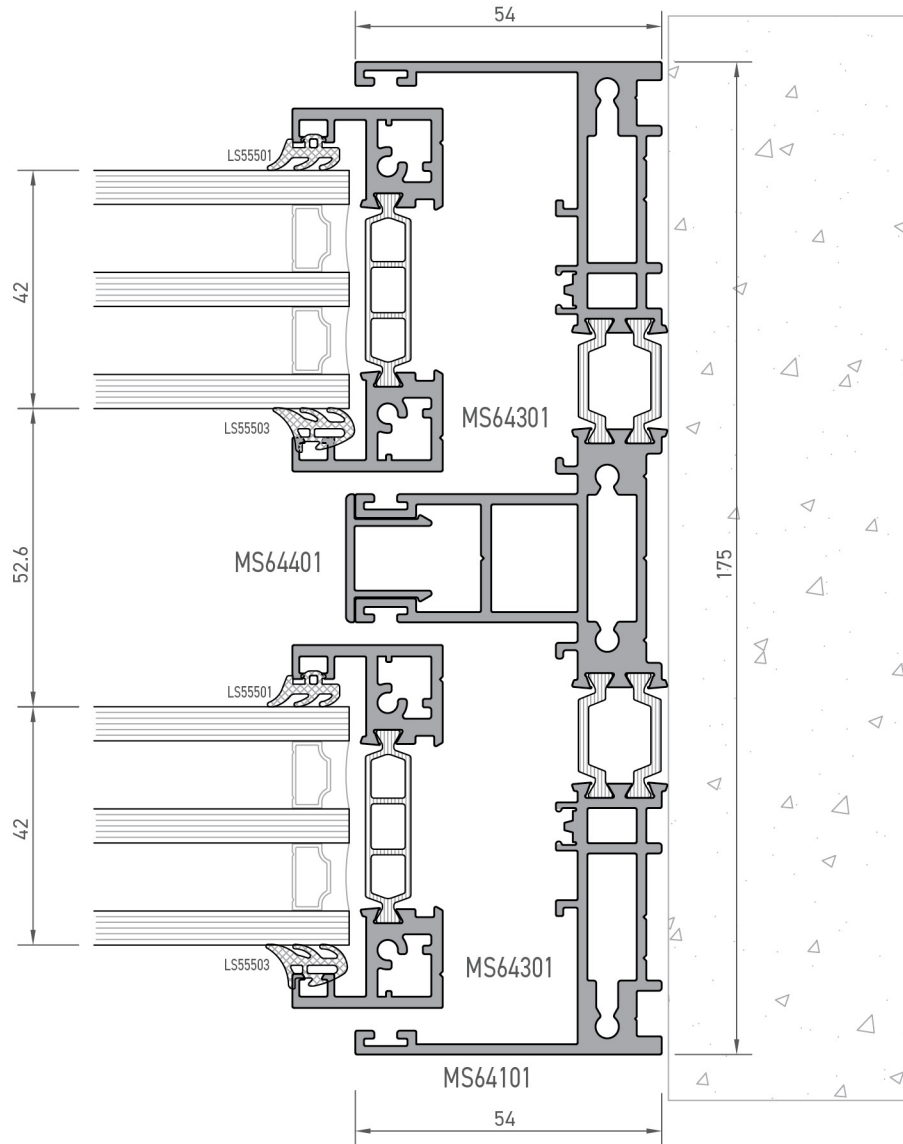
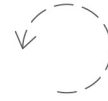
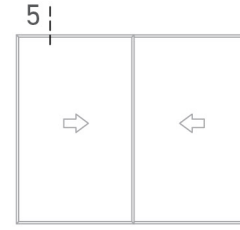
SİSTEM DETAYLARI / SYSTEM DETAILS





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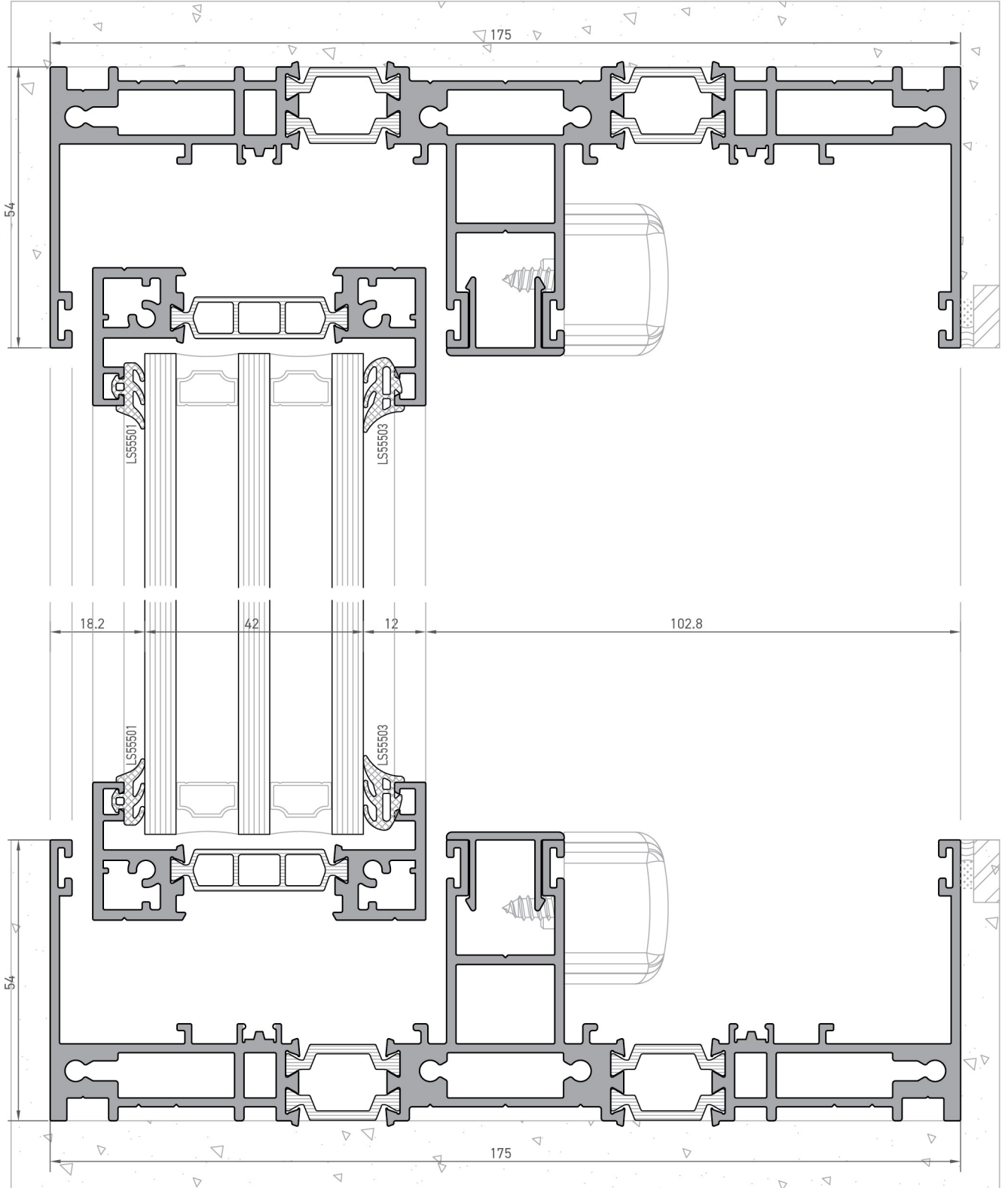
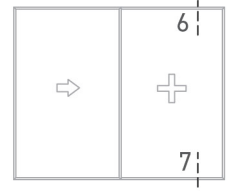
SİSTEM DETAYLARI / SYSTEM DETAILS





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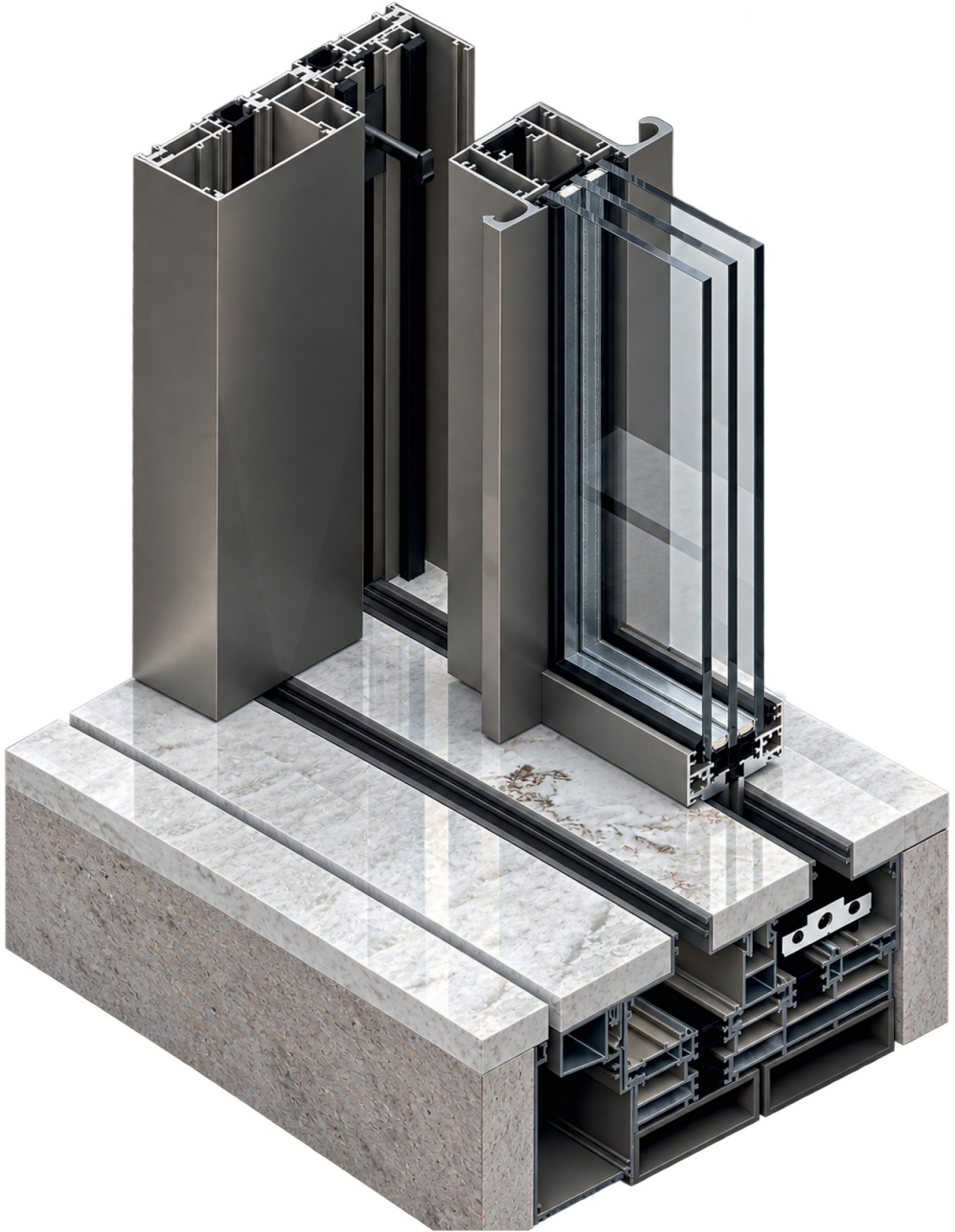
SİSTEM DETAYLARI / SYSTEM DETAILS





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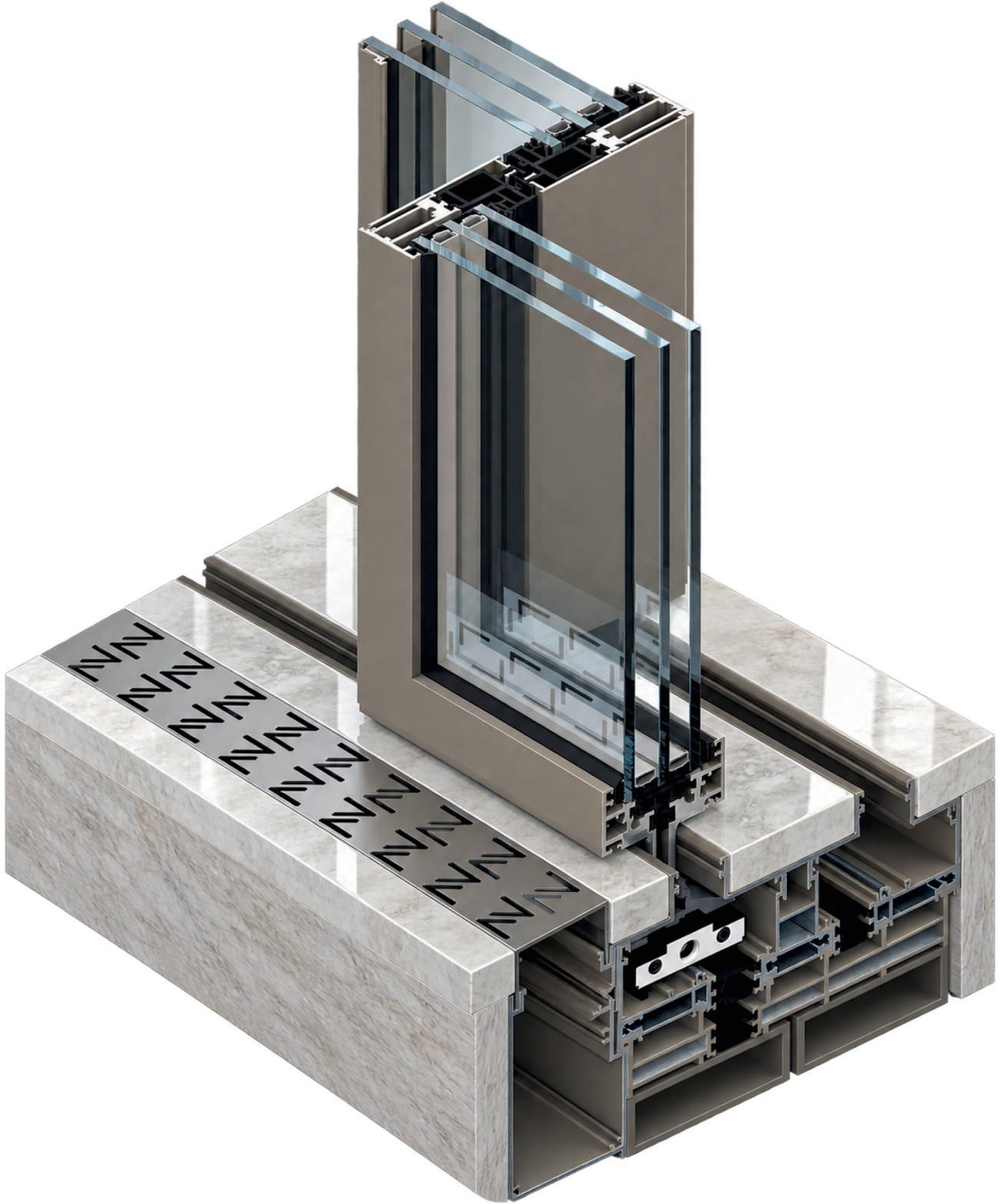
SİSTEM DETAYLARI / SYSTEM DETAILS

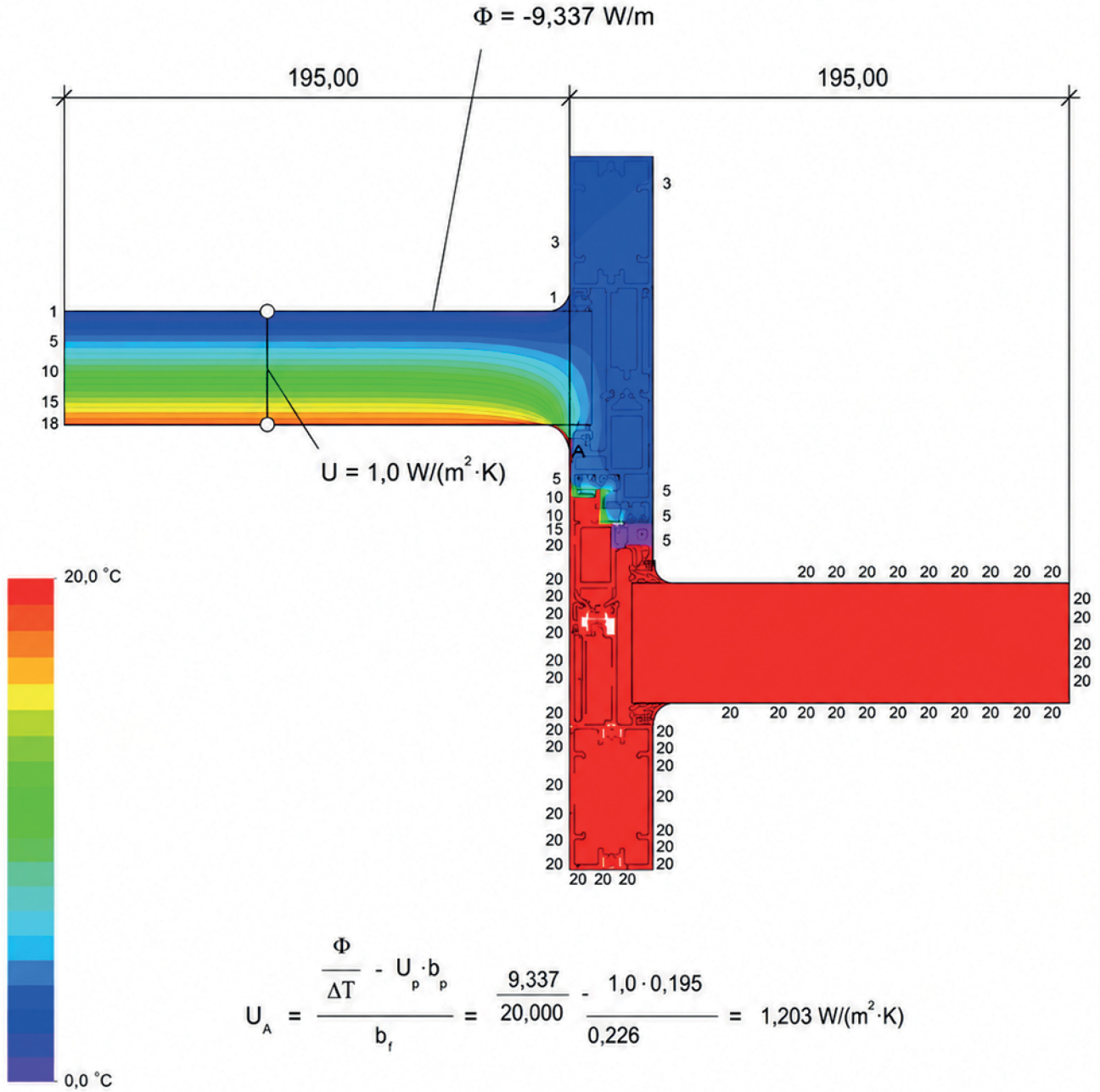




MS64 MİNİMAL SÜRME SİSTEMİ / MS64 MINIMAL SLIDING SYSTEM

SİSTEM DETAYLARI / SYSTEM DETAILS





Material	$\lambda[\text{W/(m} \cdot \text{K)}]$
Aluminium (Si alloys)	160,000
EPDM (ethylene propylene diene monomer)	0,250
Panel	0,035
Slightly ventilated air cavity	Eps=0,90,9
Unventilated air cavity	Eps=0,90,9

Boundary Condition	$q[\text{W/m}^2]$	$\theta[^\circ\text{C}]$	$R[(\text{m}^2 \cdot \text{K})/\text{W}]$	ε
Exterior, frame		0,000	0,040	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			



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