İS-KA SCAFFOLDING AND FORMWORK SYSTEMS

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İS-KA İSKELE KALIP SİSTEMLERİ



İS-KA
LIGHTFORM

PANEL
KALIP SİSTEMİ

PANEL
FORMWORK SYSTEM

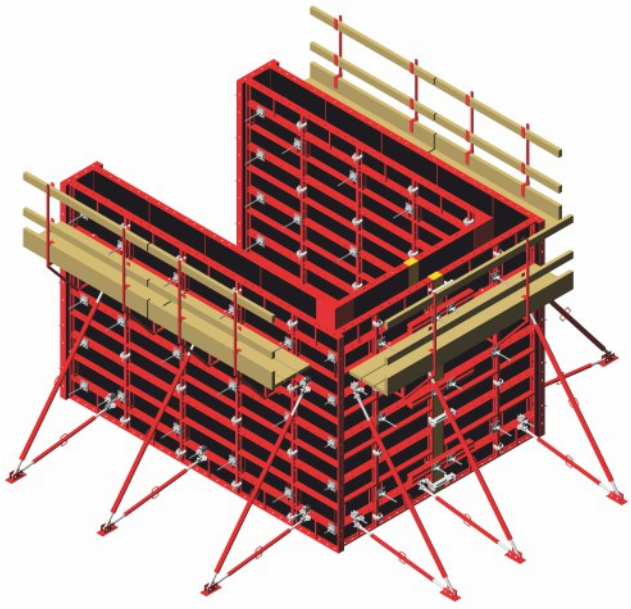
LIGHTFORM çelik çerçeve ve plywood yüzeyden oluşan, vinç gerektirmeden taşınabilen hafif tip endüstriyel bir perde ve kolon kalıp sistemidir. İhtiyaç duyulduğunda paneller kilitler ile birleştirilerek daha büyük ve rijit pano grupları oluşturulabilir ve vinç ile transfer edilebilir. Rijit çerçeve yapısı 40 kN/m²'ye kadar taze beton basıncına dayanım sunar. 5 cm aralıklarla yapılabilen ayarlar sayesinde istenilen ölçülerde perde ve kolon uygulamaları kolaylıkla gerçekleştirilebilir. Hızlı bağlantı detayları ile kurulum ve söküm süreleri minimize edilir, yüksek işçilik verimliliği elde edilir.

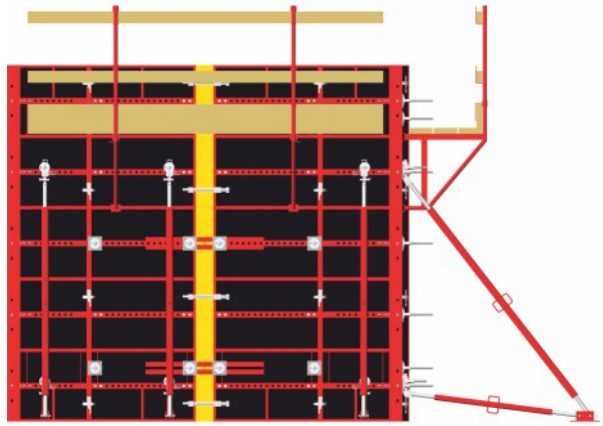
LIGHTFORM is a lightweight industrial wall and column formwork solution consisting of a steel frame and a plywood surface, designed to be handled without the need for a crane. When required, the panels can be connected with locks to create larger and more rigid panel assemblies, which can then be transported by crane. Its rigid frame structure provides resistance to fresh concrete pressure up to 40 kN/m². With adjustments that can be made at 5 cm intervals, wall and column applications in the desired dimensions can be carried out easily. Fast connection details minimize assembly and dismantling times, ensuring high labor efficiency.



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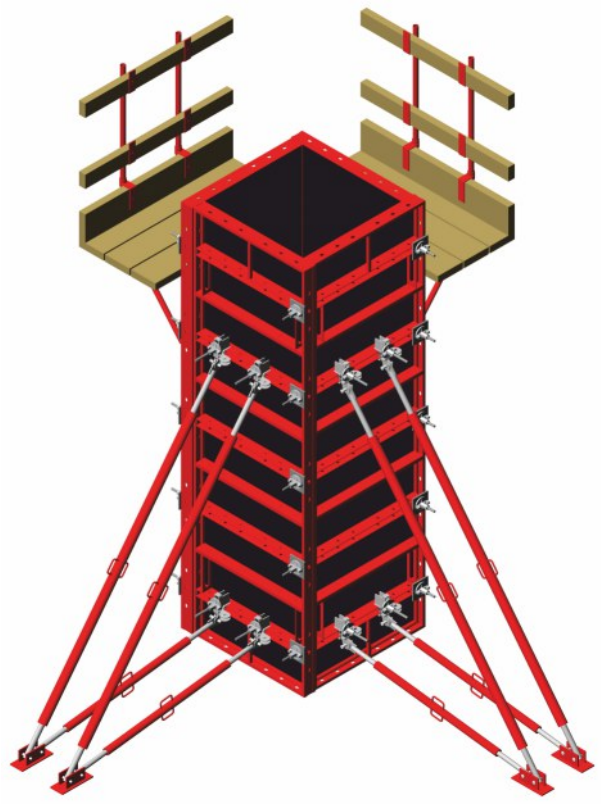
Lightform Perde Sistemi Detayı
Lightform Wall System Detail

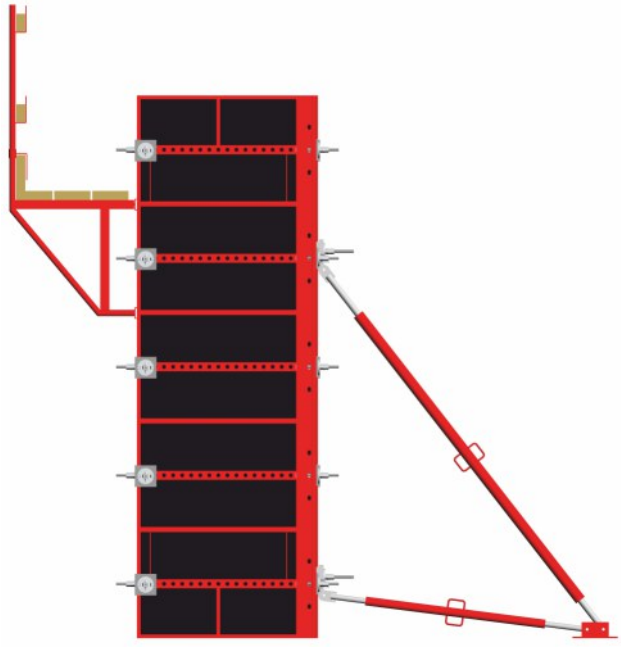






Lightform Kolon Sistemi Detayı
Lightform Column System Detail





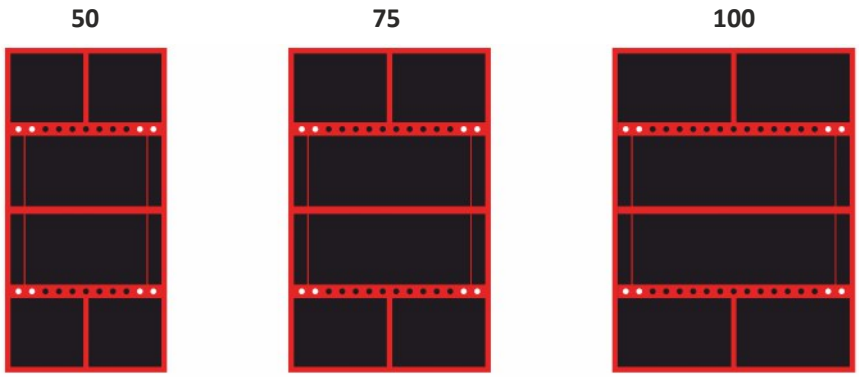


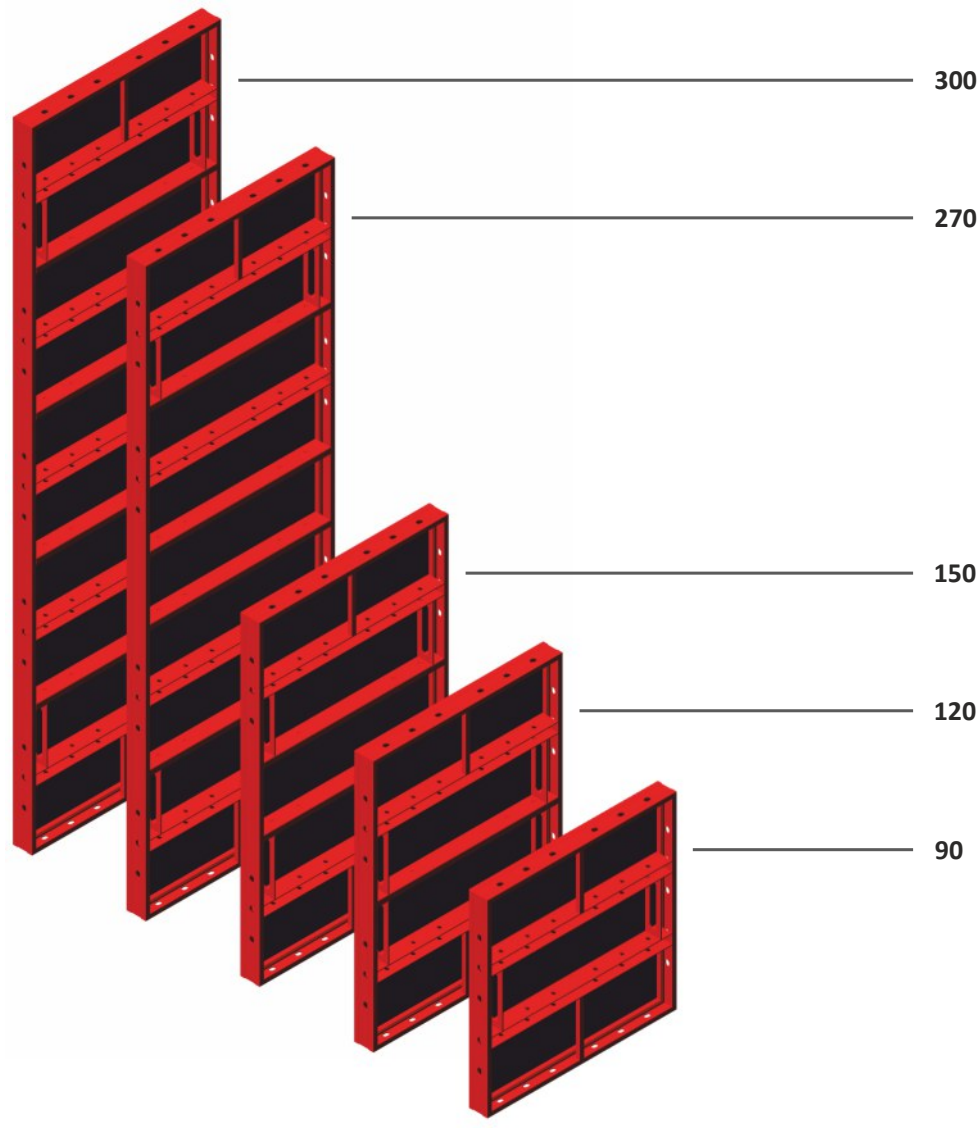


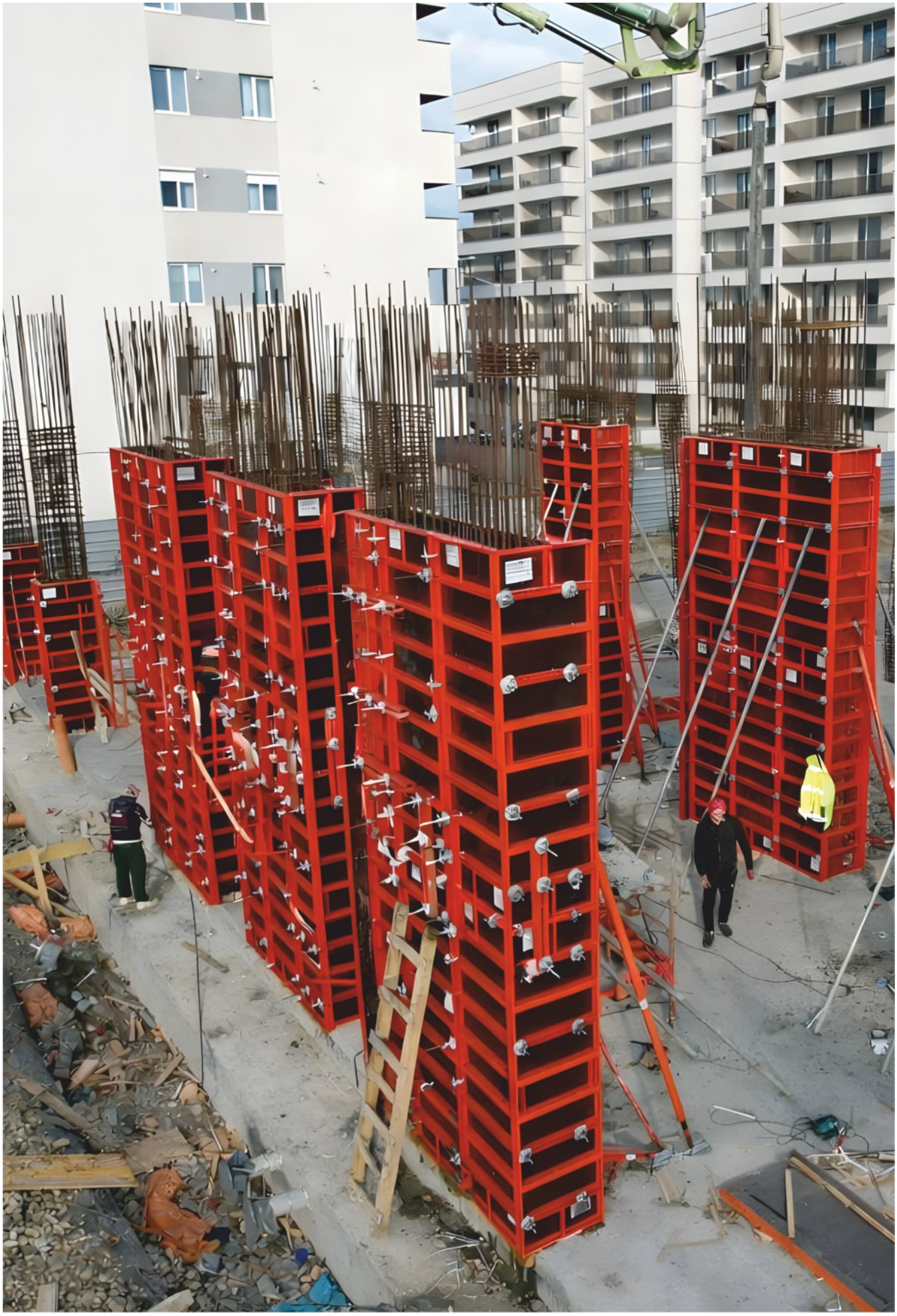
Panel Ölçüleri / Panel Dimensions

Lightform paneller hem yatay hem de düşey pozisyonda kullanılabilir. Farklı genişlik ve yükseklik seçenekleri ile oluşturulan kombinasyonlar sayesinde her türlü perde ve kolon ölçüsüne uygun çözümler üretilebilir.

Lightform panels can be used in both horizontal and vertical positions. Thanks to combinations created with different width and height options, solutions suitable for all types of wall and column dimensions can be produced.





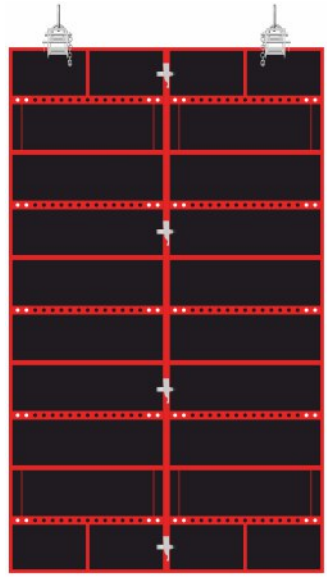


Lightform Standart Kilit / Lightform Standard Lock

Standart kilit panellerin hızlı, güvenli ve güçlü bir şekilde birleştirilmesini sağlar. Tek hareketle yapılan kilitleme işlemi panelleri birbirine çeker ve doğru hizalanmalarına yardımcı olur.

Standard lock enables panels to be connected quickly, safely, and securely. The locking action, completed in a single movement, pulls the panels together and helps ensure proper alignment.



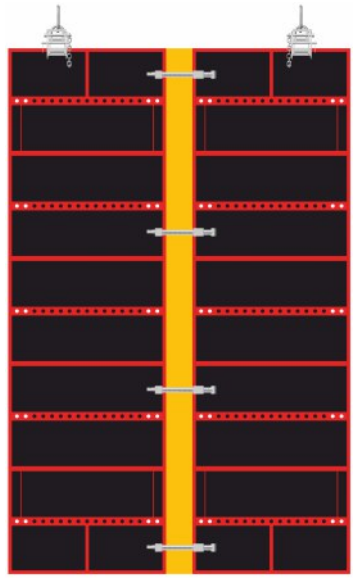


Lightform Ayarlanabilir Kilit / Lightform Adjustable Lock

Ayarlanabilir kilit paneller arasına 0–15 cm aralığında ahşap ara parçalar yerleştirilmesine imkân tanır ve istenilen ölçüler kolayca elde edilir. Kullanılan ara parçalar, özellikle iç köşelerde panellerin sıkışmasını engelleyerek söküm işlemlerini kolaylaştırır.

The adjustable lock allows wooden spacer pieces to be inserted between the panels at intervals of 0–15 cm, making it easy to achieve the desired dimensions. The spacers used prevent the panels from jamming especially at internal corners thereby facilitating dismantling.

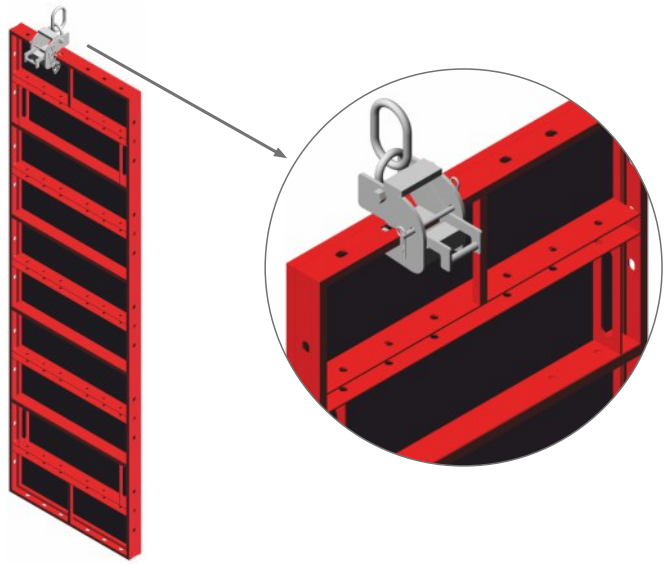




Lightform Vinç Kulbu / Lightform Crane Hook

Vinç kulbu, panellerin tekli veya grup halinde güvenli biçimde taşınmasını sağlar. Güvenli kaldırma için her taşıma işleminde en az iki vinç kulbu kullanılmalı ve emniyet pimlerinin takılı olduğu kontrol edilmelidir. Kilitlerle birleştirilmiş halde toplam 1,5 ton ağırlığında perde kalıbı, iki adet vinç kulbu yardımıyla tek seferde taşınabilmektedir.

Crane hook enables panels to be transported safely, either individually or in groups. For safe lifting, at least two crane hooks must be used for each operation, and it should be checked that the safety pins are in place. Wall formwork weighing a total of 1.5 tons, connected with locks, can be lifted in a single operation using two crane hooks.



Payanda / Push Pull Prop

Payandalar, kalıbın şaküle alınmasını sağlar ve rüzgâr ile montaj yüklerine karşı stabilite oluşturur. Panellerin devrilmesini önleyerek güvenli çalışma ortamı sunar. Özel olarak tasarlanan payanda kafası ise yatay veya düşey her iki pozisyonda da panellere bağlanabilmektedir.

Push pull props ensure the formwork is aligned to plumb and provides stability against wind and erection loads. By preventing panel overturning, it creates a safe working environment. The specially designed push pull prop head can be connected to the panels in both horizontal and vertical positions.

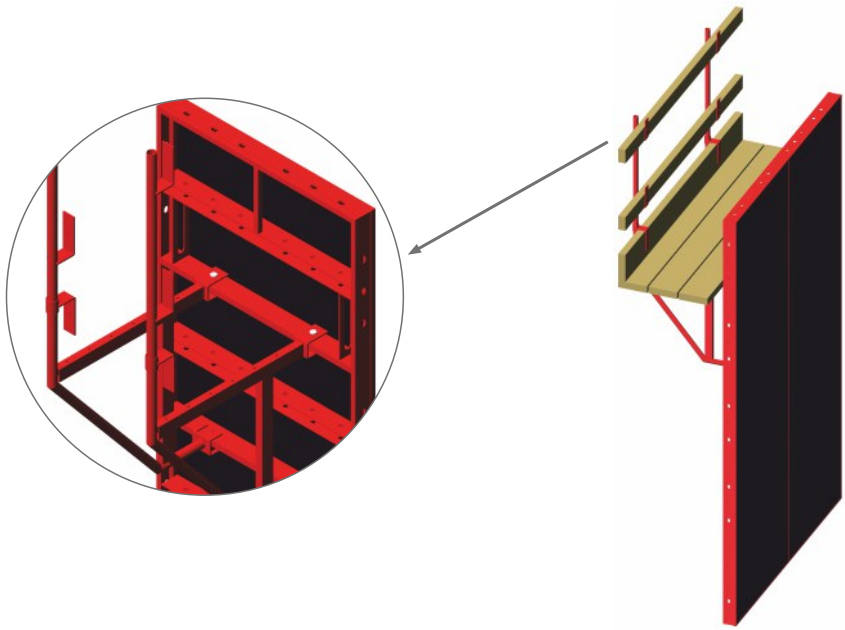




Lightform Çalışma Konsolu / Lightform Working Bracket

Çalışma konsolu, beton dökümü ve montaj işlemleri sırasında işçiler için güvenli bir çalışma platformu oluşturmak amacıyla tasarlanmıştır. Panel üzerine bağlanarak hızlı şekilde kullanıma alınır.

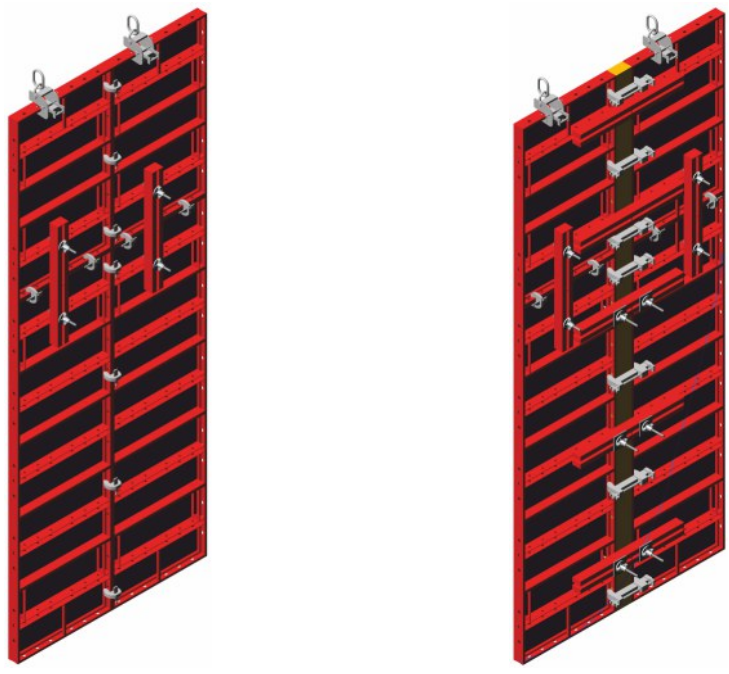
The working bracket is designed to provide a safe operating area for workers during concreting and erection activities. It is quickly put into service by attaching it to the panel.



Panel Destek Kuşağı / Panel Support Waler

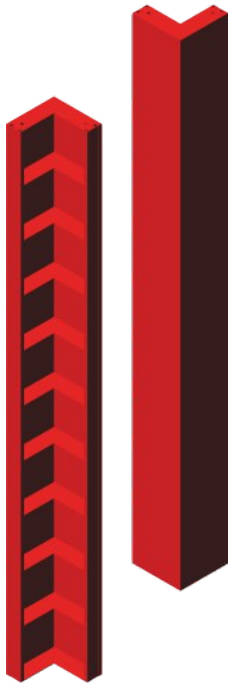
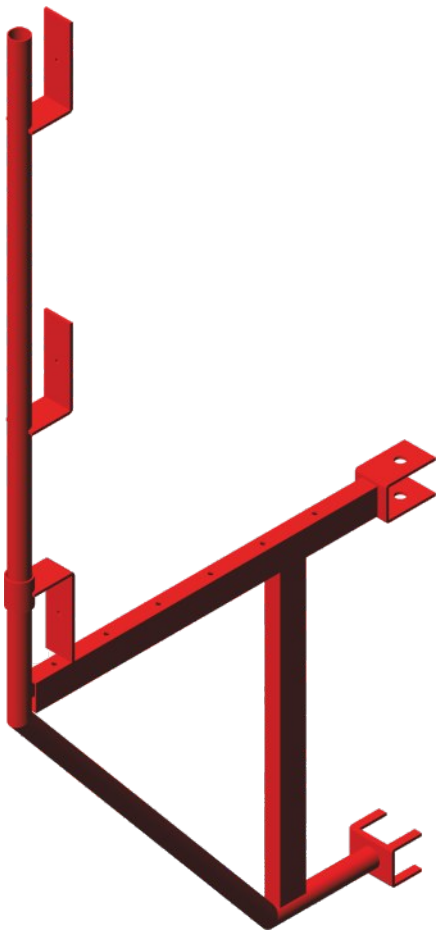
Panellerin üst üste kullanıldığı uygulamalarda İS-KA pano kuşağı ve kuşak bağlantı elemanları ile sistem stabil hale getirilir. Bu bağlantı, panoların şakülünü korur ve taşıma sırasında oluşabilecek deformasyon risklerini azaltır. Pano kuşakları ayrıca ahşap dolgu kullanılan durumlarda dolgunun desteklenmesi amacıyla da görev yapar.

In applications where panels are stacked vertically, the system is stabilized using İS-KA panel walers and waler connection components. This connection maintains the plumb alignment of the panels and reduces the risk of deformation that may occur during handling. Panel walers also serve to support the timber infill where it is used.

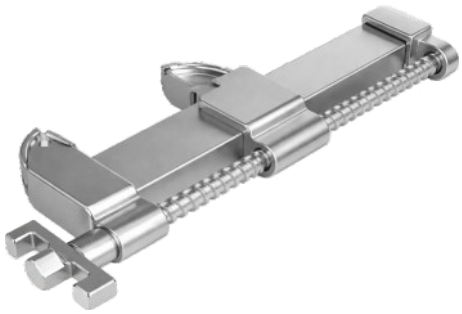
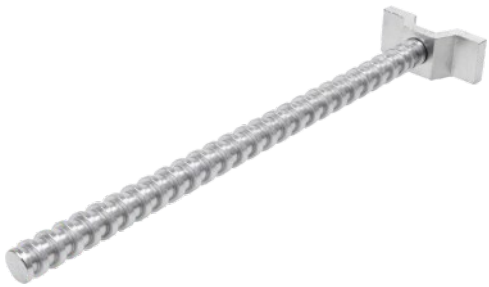


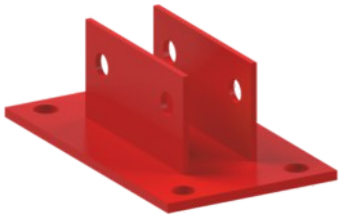


ÜRÜN Product	ÜRÜN ADI Product Name	KOD Code	BOY Size (cm)	AĞIRLIK Weight (kg)
	LIGHTFORM PANEL **LIGHTFORM PANEL**	481.050.090	50*90	22,10
		481.050.120	50*120	27,50
		481.050.150	50*150	32,70
		481.050.270	50*270	57,30
		481.050.300	50*300	64,30
		481.075.090	75*90	28,60
		481.075.120	75*120	35,40
		481.075.150	75*150	42,20
		481.075.270	75*270	73,80
		481.075.300	75*300	82,80
		481.100.090	100*90	36,20
		481.100.120	100*120	44,70
		481.100.150	100*150	53,10
		481.100.270	100*270	92,90
		481.100.300	100*300	104,40

ÜRÜN Product	ÜRÜN ADI Product Name	KOD Code	BOY Size (cm)	AĞIRLIK Weight (kg)
	**LIGHTFORM İÇ KÖŞE** **LIGHTFORM INTERNAL CORNER**	482.020.090	20*20*90	19,50
		482.020.120	20*20*120	26,00
		482.020.150	20*20*150	32,50
		482.020.270	20*20*270	58,50
		482.020.300	20*20*300	65,00
		483.025.090	25*25*90	24,50
		483.025.120	25*25*120	32,50
		483.025.150	25*25*150	40,50
		483.025.270	25*25*270	73,00
		483.025.300	25*25*300	81,50
		484.030.090	30*30*90	29,50
		484.030.120	30*30*120	39,00
		484.030.150	30*30*150	48,50
		484.030.270	30*30*270	87,80
		484.030.300	30*30*300	97,50
	**PANEL ÇALIŞMA KONSOLU** **PANEL WORKING BRACKET**	480.100.100		10,00

ÜRÜN Product	ÜRÜN ADI Product Name	KOD Code	BOY Size (cm)	AĞIRLIK Weight (kg)
	**PANEL KALIP DESTEK KUŞAĞI** **PANEL FORMWORK SUPPORT WALER**	480.200.075 480.200.100 480.200.150 480.200.200	75 100 150 200	8,28 11,04 16,56 22,08
	**YASSI TIE-ROD MİLİ Ø15/17** **DYWIDAG TIE-ROD Ø15/17**	450.102.050 450.102.100 450.102.120 450.102.150 450.102.200 450.102.250 450.102.300 450.102.400 450.102.500 450.102.600	50 100 120 150 200 250 300 400 500 600	0,75 1,50 1,80 2,25 3,00 3,75 4,50 6,00 7,50 9,00
	**KARE TABLALI SOMUN** **SQUARE NUT**	480.300.120	120*120mm	1,25
	**TIE-ROD SOMUNU** **TIE-ROD NUT**	450.106.070 450.106.080 450.106.090 450.106.100	Ø70mm Ø80mm Ø90mm Ø100mm	0,28 0,35 0,42 0,55

ÜRÜN Product	ÜRÜN ADI Product Name	KOD Code	BOY Size (cm)	AĞIRLIK Weight (kg)
	**LIGHTFORM STANDART KİLİT** **LIGHTFORM STANDARD LOCK**	486.100.100		1,20
	**LIGHTFORM AYARLANABİLİR KİLİT** **LIGHTFORM ADJUSTABLE LOCK**	486.100.101		2,40
	**LIGHTFORM** **ALIN ÇEKTİRME ELEMANI** **LIGHTFORM END PLATE**	486.100.102		1,60
	**DESTEK KUŞAĞI** **BAĞLAMA ELEMANI L** **SUPPORT WALER CONNECTOR L**	480.300.230		0,60
	**LIGHTFORM KÖŞE MİLİ** **LIGHTFORM CORNER CONNECTOR**	486.100.103		0,60

ÜRÜN Product	ÜRÜN ADI Product Name	KOD Code	BOY Size (cm)	AĞIRLIK Weight (kg)
	**PAYANDA Ø60*3mm** **PUSH PULL PROP Ø60*3mm**	470.201.060 470.201.085 470.201.100 470.201.120 470.201.150 470.201.200 470.201.270 470.201.320 470.201.350	60 85 100 120 150 200 270 320 350	9,71 10,69 11,57 12,06 13,24 15,20 17,94 19,90 21,08
	**PANEL PAYANDA KAFASI** **PANEL PUSH PULL PROP HEAD**	480.300.250		3,20
	**PAYANDA TABANI TEKLİ** **PUSH PULL PROP SINGLE PLATE**	470.160.013		1,37
	**PAYANDA TABANI ÇİFTLİ** **PUSH PULL PROP DOUBLE PLATE**	470.160.014		3,26
	**MAXIFORM** **ZEMİN SABİTLEME ELEMANI** **MAXIFORM BOTTOM FIXER**	480.300.260		6,50

ÜRÜN Product	ÜRÜN ADI Product Name	KOD Code	BOY Size (cm)	AĞIRLIK Weight (kg)
	**PAYANDA Ø76*4mm** **PUSH PULL PROP Ø76*4mm**	470.204.180 470.204.420	180 420	19,92 35,77
	**LIGHTFORM VİNÇ KULBU** **LIGHTFORM CRANE HOOK**	486.100.105		6,50
	**PİM** **PIN**	460.102.002 460.102.003	16*80mm 16*130mm	0,15 0,25
	**FİRKETE** **COTTER PIN**	460.102.005	3,0mm	0,01
	**CIVATA SOMUN** **BOLT AND NUT**	460.103.002	16*60mm	0,15
	**MULTİ MONTİ** **MULTI MONTI**	460.103.012 460.103.013	12*100mm 14*075mm	0,15 0,15

İS-KA İSKELE
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