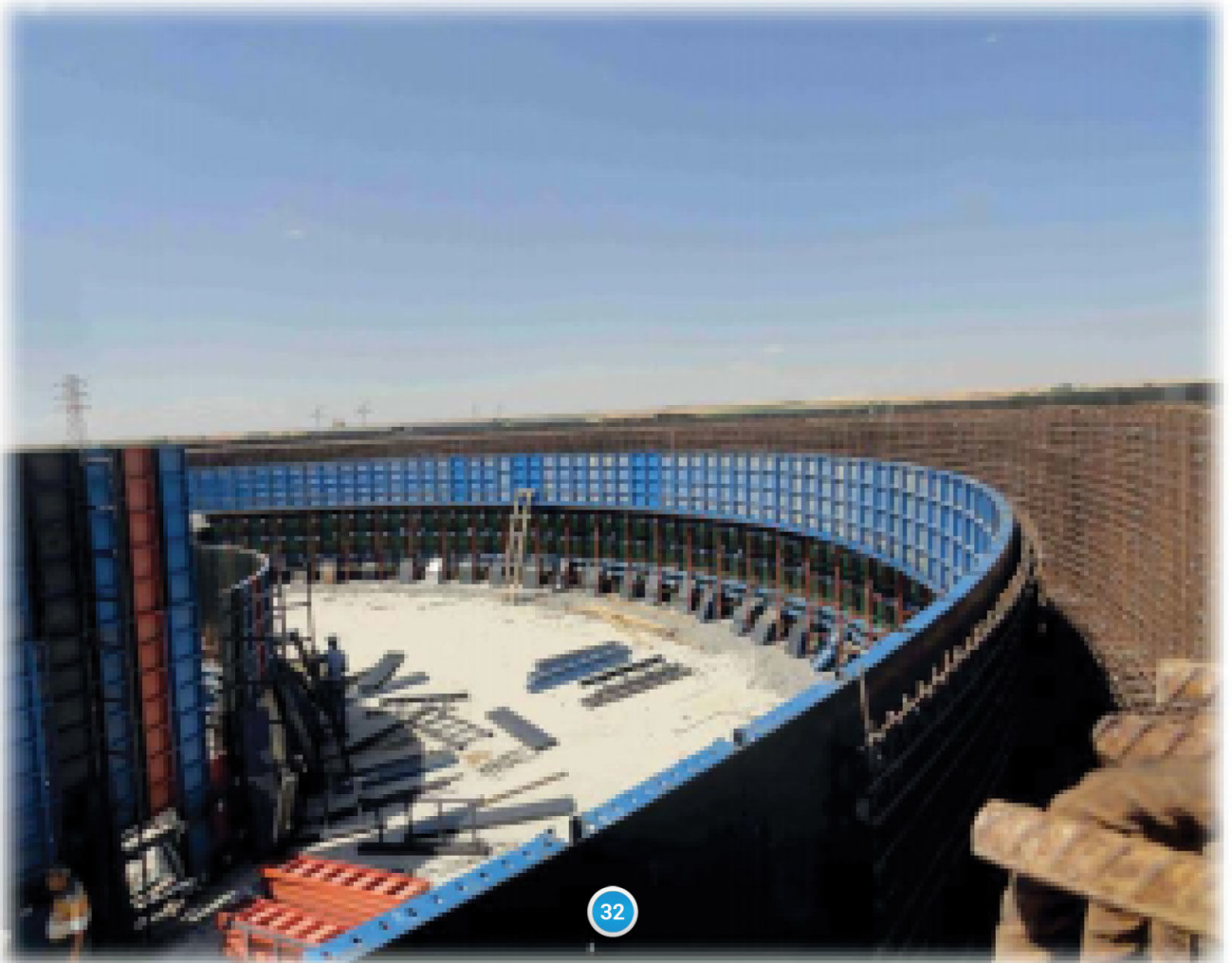
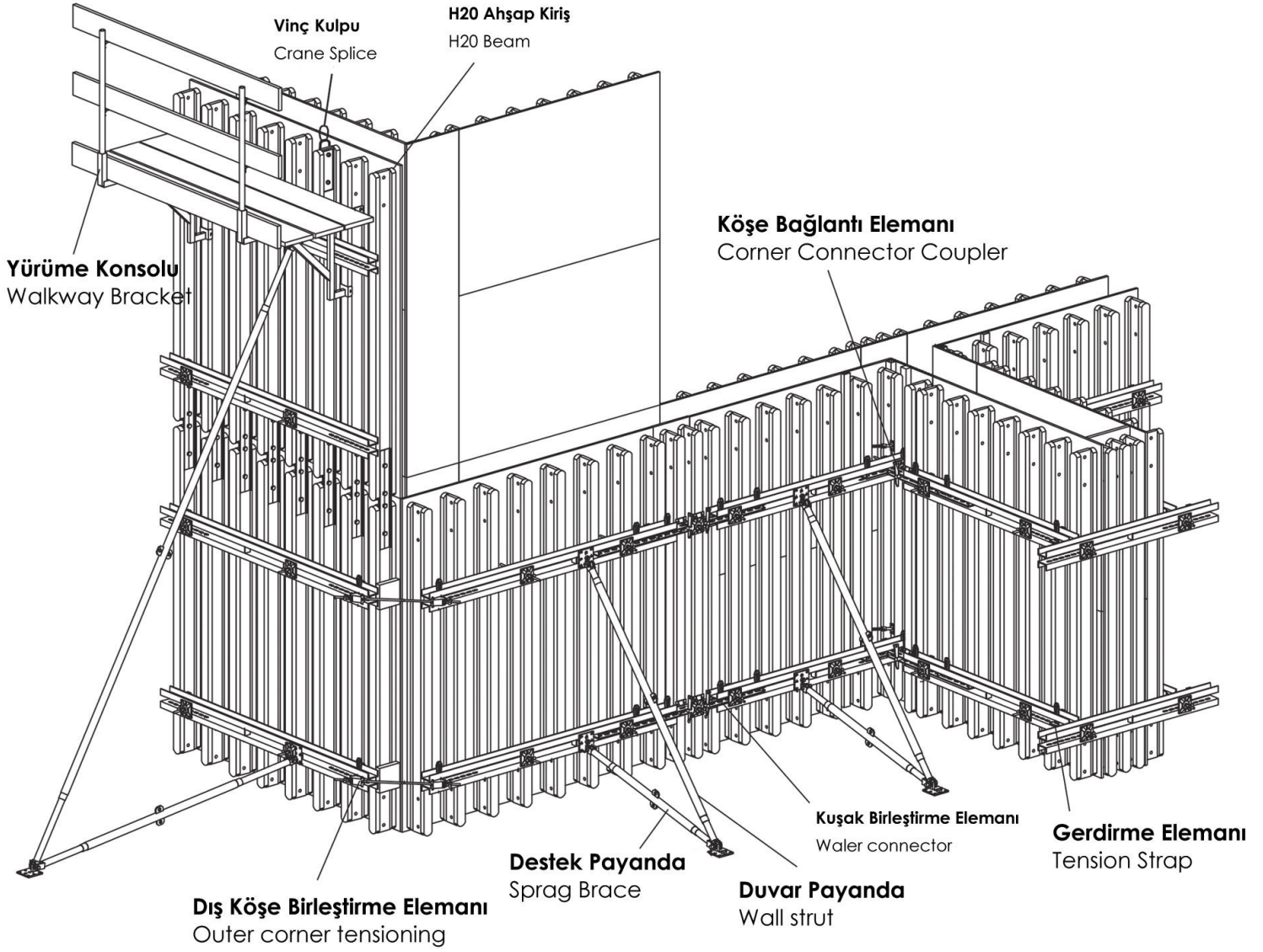






Sistem temel olarak Plywood, H20 Ahşap Kiriş, Çelik Kuşaklar ve diğer çelik aksesuarlardan oluşur. Ana elemanların yerlerinin değiştirilebilmesiyle; farklı dayanım, ebat ve kesitlere, farklı projelere adapte edilebilir, Paneller bir araya getirilerek daha büyük panolar oluşturulabilir, iş sonuna kadar demonte edilmemesi ile malzemenin birçok kez kullanımına olanak verir, Aynı malzemeler ile farklı kolon ölçüleri elde etmek mümkündür, böylelikle alt katlarda büyük kesitli olan kolonların üst katlarda küçülmesi ek bir maliyet yaratmaz, Montaj kolaylığı, vinçle deplase edilebilir olması ve sıva gerektirmemesi ile işçilik, zaman ve maliyetten tasarruf sağlar, Sistem, projeye uygun özel olarak tasarlanıp kalıp montaj projeleri verildiği için, işçi yorumlarından kaynaklanan fire engellenmiş olur, Konut, sanayi yapılar, yüksek yapılar, arıtma ve enerji tesisi projeleri, köprü ayakları gibi farklı alanlarda yüksek verimle kullanılabilir, Çelik ek elemanlar ve dairesel kesimli keresteler kullanılarak, kavisli formdaki perdelerde de kullanılabilme özelliğine sahiptir.

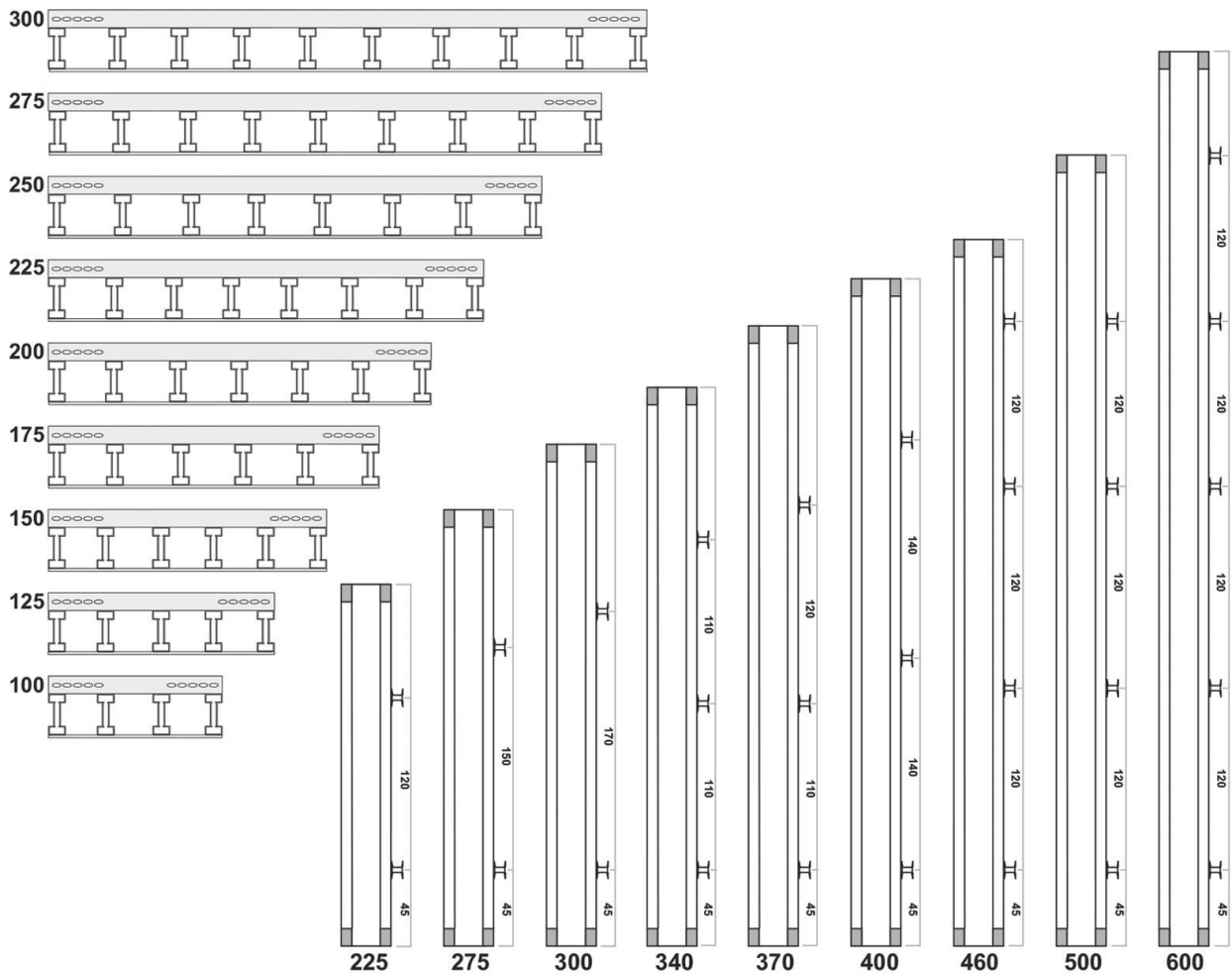
The main components of the system are Plywood, H20 Timber Girders, Steel Walers and other steel accessories. The system can be adapted to different dimensions, sections, strength or to various projects by replacing the main components, By combining to each other, larger panels can be formed which make it possible to be used several times unless disassembled till the end of job, Possibility to produce different size columns with the same components, prevents extra cost for columns with decreasing dimensions at higher levels, Provides cost, time and labour economy as being easy-to-assemble, crane displaceable and preventing the necessity for plastering, Prevents the wastage caused by the worker comments as the system is custom designed for a certain project and the formwork assembly projects are given , Efficiently convenient to built residents, industrial facilities, highrise buildings, refinery and energy plants,

Perde Kalıbı Teknik Bilgiler / Wall Formwork Design Tables

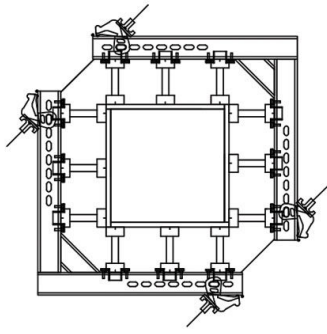
Kalıp Yüksekliği Heigth	H20 Uzunluk H20 Length	Kuşak Sıra Sayısı Waler	Çelik Kuşak Yerleşim Aralıkları Waler Design Table					Payanda Montaj Aralığı Push - Pull Prop Montage
250 cm	245 cm	2	45 cm	120 cm	-	-	-	375 cm
270 cm	265 cm	2	45 cm	150 cm	-	-	-	375 cm
300 cm	290 cm	2	45 cm	170 cm	-	-	-	350 cm
330 cm	330 cm	3	45 cm	120 cm	120 cm	-	-	320 cm
360 cm	360 cm	3	45 cm	120 cm	120 cm	-	-	300 cm
400 cm	390 cm	3	45 cm	140 cm	140 cm	-	-	270 cm
450 cm	450 cm	4	45 cm	120 cm	120 cm	120 cm	-	240 cm
500 cm	490 cm	4	45 cm	120 cm	120 cm	140 cm	-	220 cm
600 cm	590 cm	5	45 cm	120 cm	120 cm	120 cm	120 cm	180 cm

Standart pano genişlikleri 100 cm'den başlayarak 300 cm'ye kadar 25 cm aralıklarla artar.

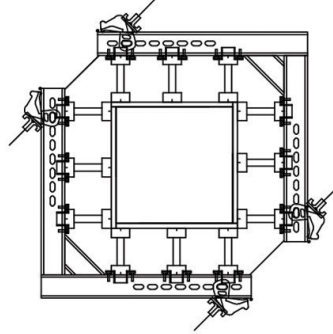
Standart panels are changeable between 100 cm and 300 cm with 25 cm increments.



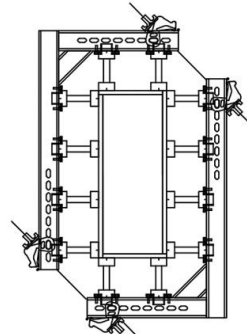
Kolon Kalıbı Teknik Bilgiler / Column Formwork Design Tables



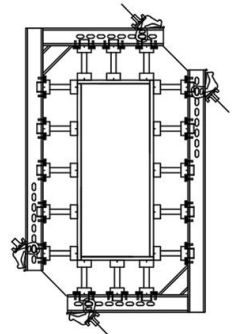
40x40 Kolon / Column



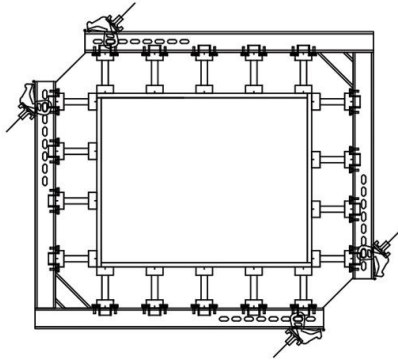
50x50 Kolon / Column



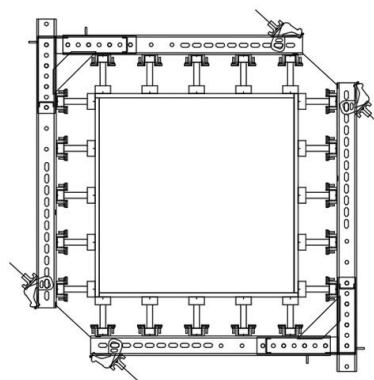
30x80 Kolon / Column



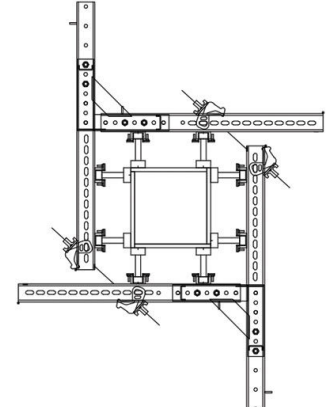
40x100 Kolon / Column



80x100 Kolon / Column



40x40 Kolon / Column



100x100 Kolon / Column

Kolon kalıbı için tablo / Table for column formwork

Maksimum beton Basıncı 90 kN/m²

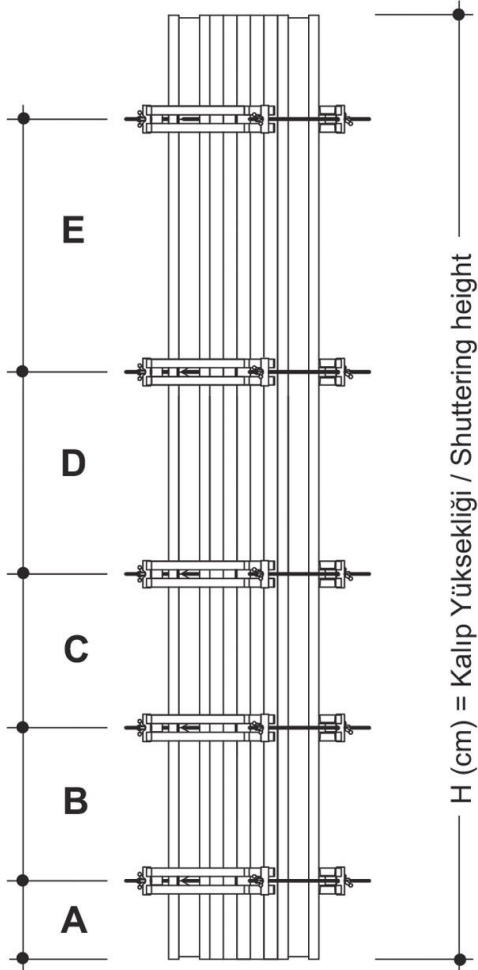
With a maximum concrete pressure of 90 kN/m²

H	A	B	C	D	E
245	45	130			
265	45	130			
290	30	100	100		
330	30	100	100		
360	30	100	130		
390	30	100	130		
450	30	90	100	130	
490	30	90	100	130	
590	30	90	90	130	130

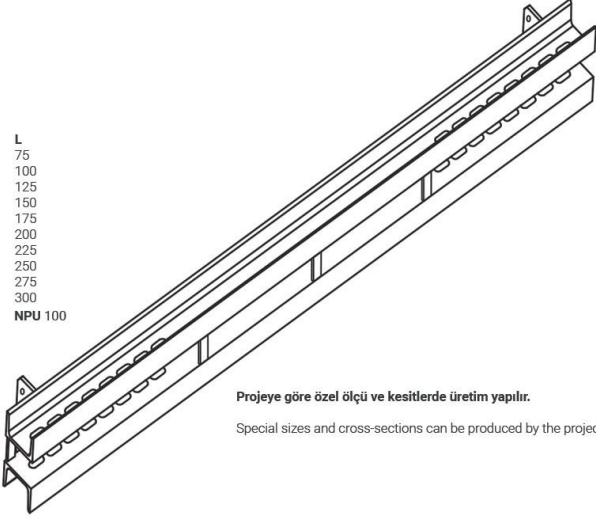
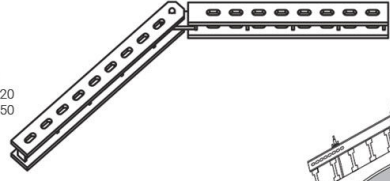
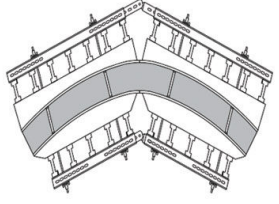
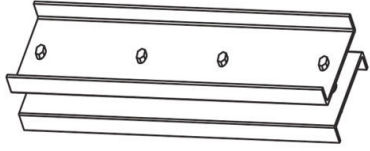
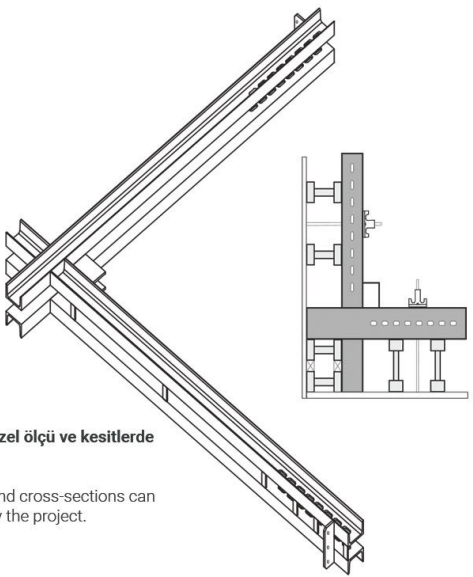
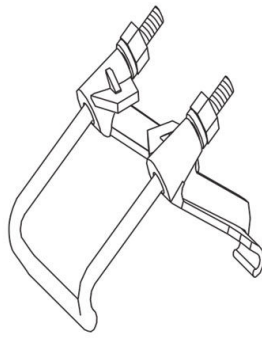
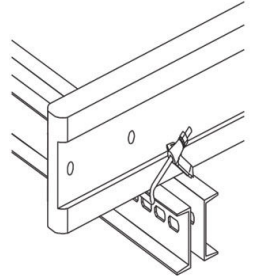
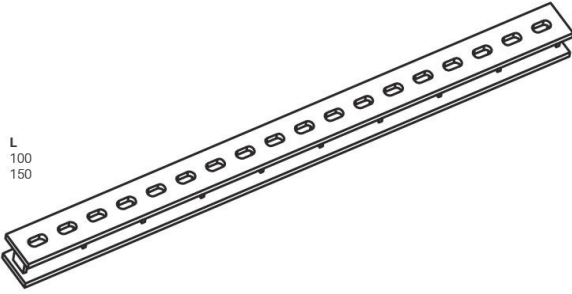
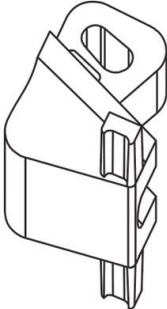
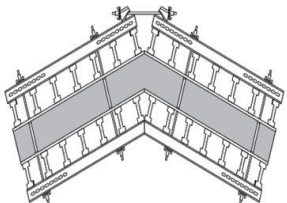
H20 kiriş sayısı / Number of H 20 beams

Sutun Geniřlięi (cm) Column width (cm)	20	30	40	50	60	70	87
Ölçülere göre kiriş adeti Number of beams per side	2	2	3	3	4	4	5

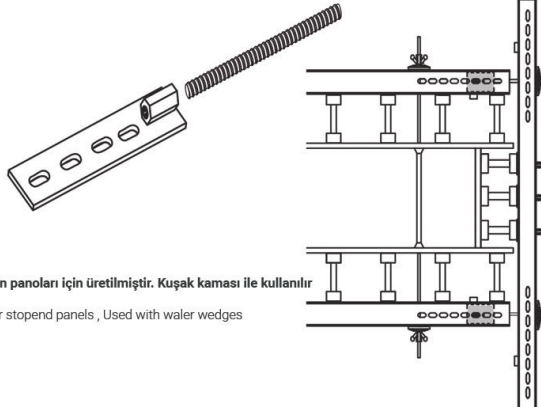
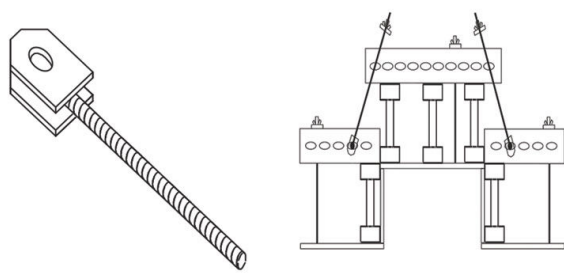
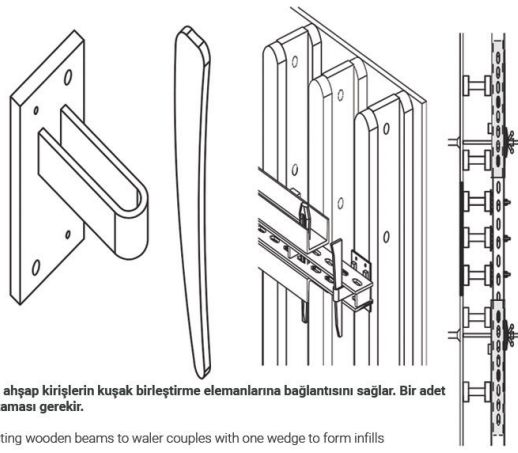
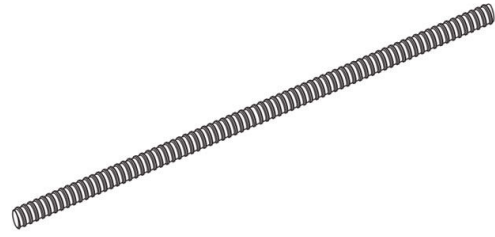
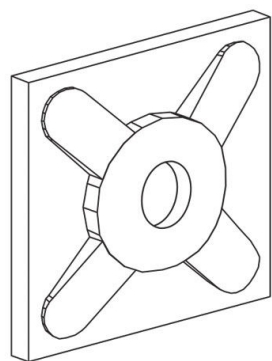
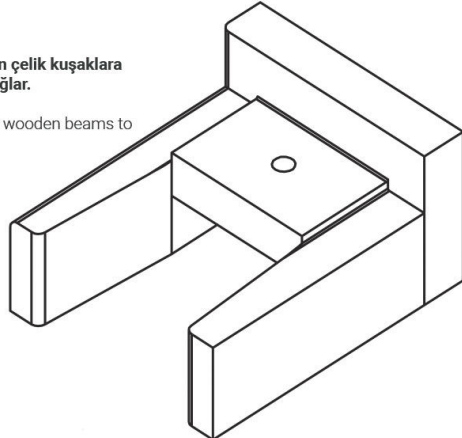
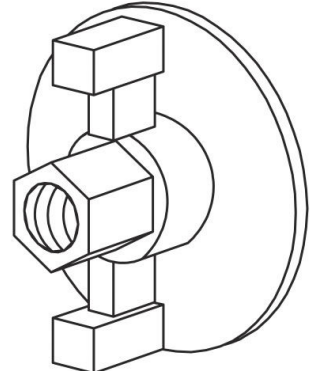
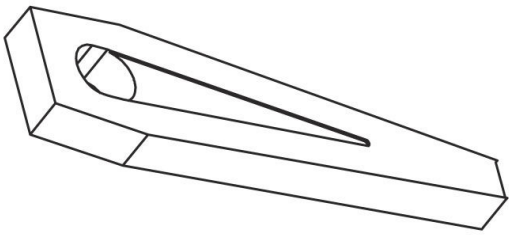
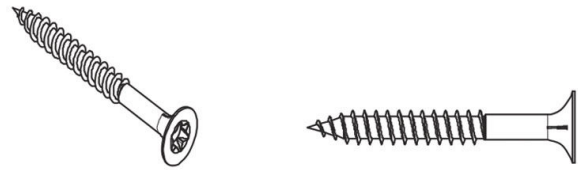
(mak. H20 kiriş boşluęu / max. spacing of H20 beams: e = 23 cm)



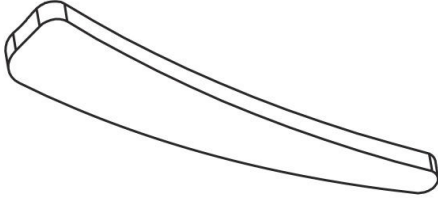
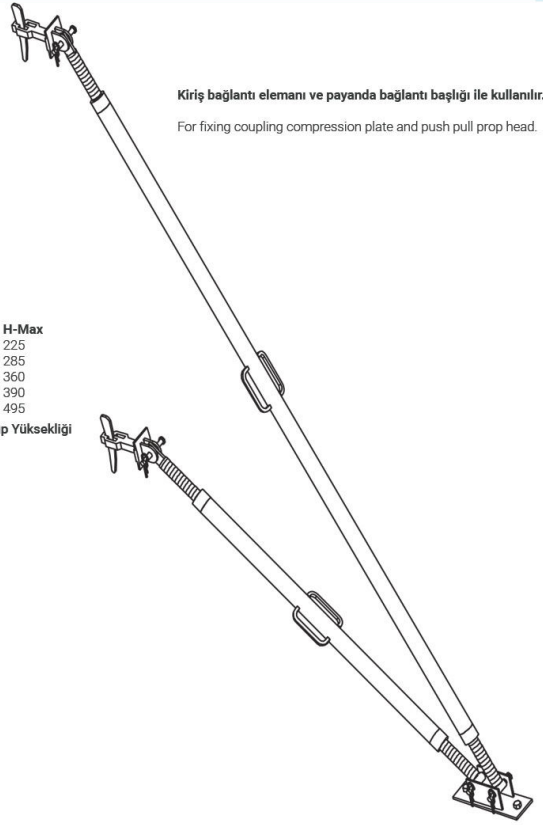
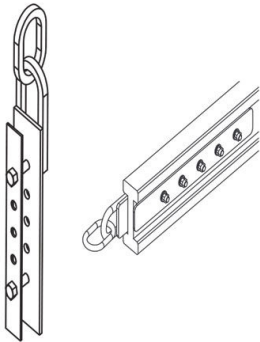
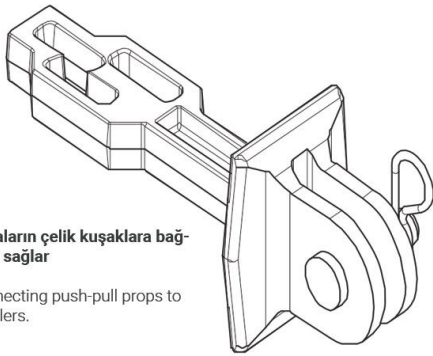
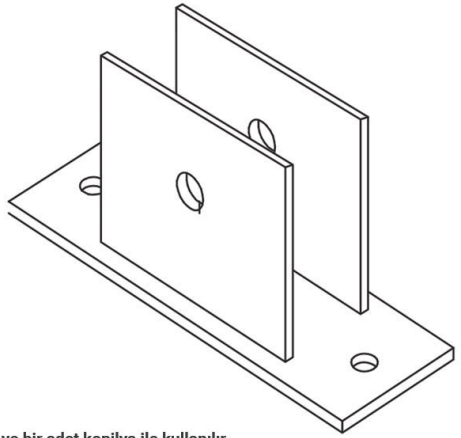
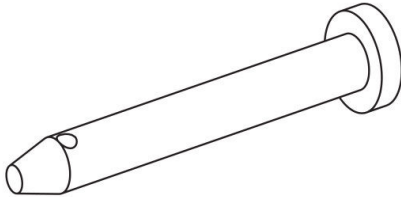
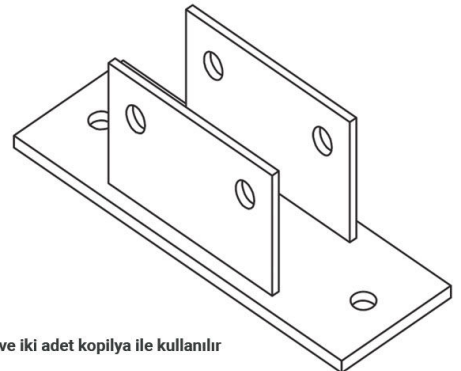
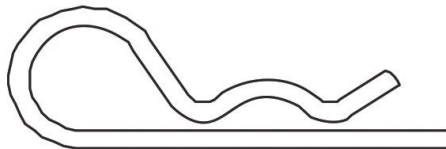
Endüstriyel Kolon ve Perde Kalıp Sistemleri (Industrial Column and Wall Formwork Systems)

Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Çelik Kuşak / Steel Waler	Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Mafsallı Kuşak Birleştirme Elemanı / Swivel Waler Coupler
ML0239 ML0240 ML0241 ML0242 ML0243 ML0244 ML0245 ML0246 ML0247 ML0248	14,30 20,10 24,70 30,90 33,50 39,90 47,10 48,10 58,10 60,50	L 75 100 125 150 175 200 225 250 275 300 NPU 100  Projeye göre özel ölçü ve kesitlerde üretim yapılır. Special sizes and cross-sections can be produced by the project	ML0256 ML0257	12,40 15,00	L / L 65/120 80/150  
					H20 Birleştirme Takımı / H20 Extension Splice   Kalıp panellerinin yükseltilmesinde ahşap kirişleri birleştirir. Used for the height extension of formwork panels.
ML0249 ML0250 ML0251 ML0252 ML0253	43,10 31,10 36,40 33,00 27,50	İç Köşe Kuşağı / Inner Corner Waler L / L 96/120 46/120 70/120 71/95 71/70 NPU 100  Projeye göre özel ölçü ve kesitlerde üretim yapılır. Special sizes and cross-sections can be produced by the project.	ML0258	06,50	
					H20 Kuşak Bağlantı Klipsi / H20 Hook Strap   Ahşap kirişlerin çelik kuşaklara bağlantısını sağlar For connecting wooden beams to steel walers.
ML0254 ML0255	09,40 13,70	Kuşak Birleştirme Elemanı / Waler Coupler L 100 150  4 Kuşak kaması ile kullanılır. Çelik kuşaklar arası sürekliliği sağlar. Used with 4 waler wedges , for continuously variable tight connection.			Dış Köşe Birleştirme Elemanı / Outer Corner Connector   Dış köşe bağlantıları için bir adet kuşak kaması ile kullanılır. Used with one waler wedge for tensioning external corners.

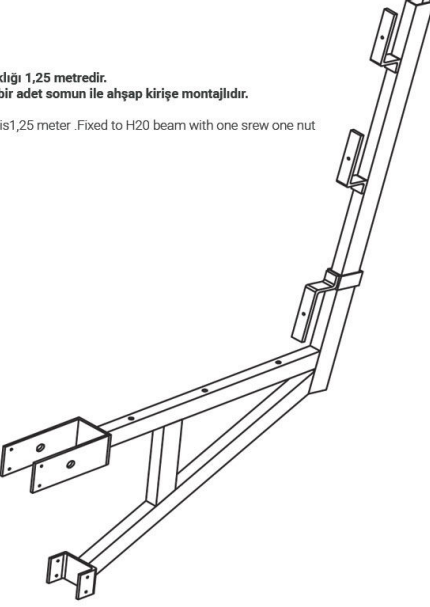
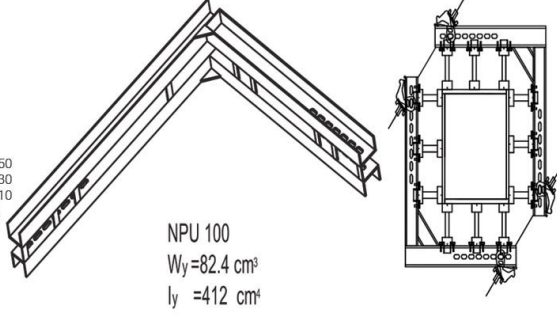
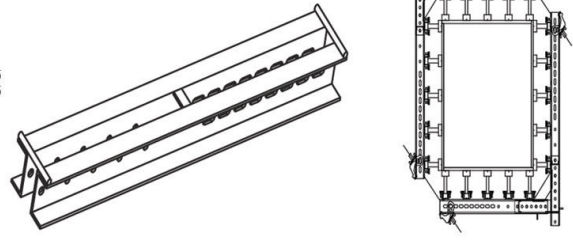
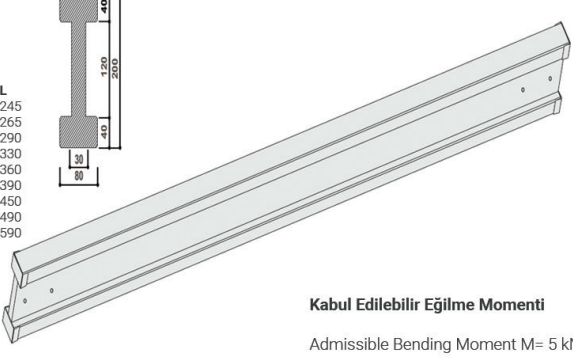
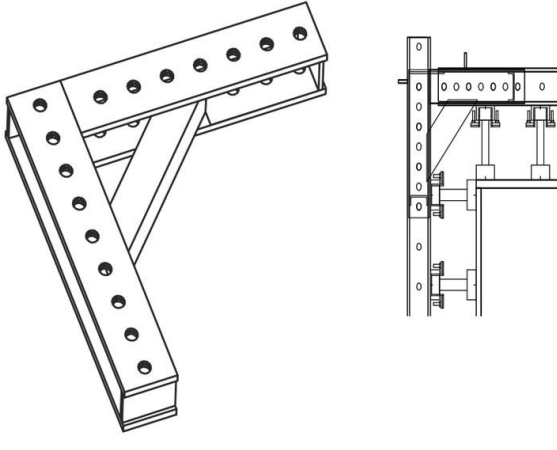
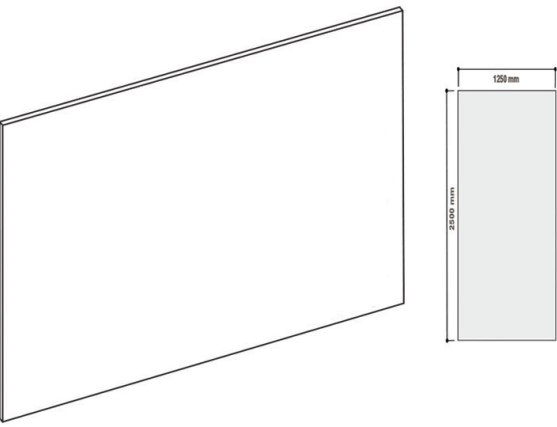
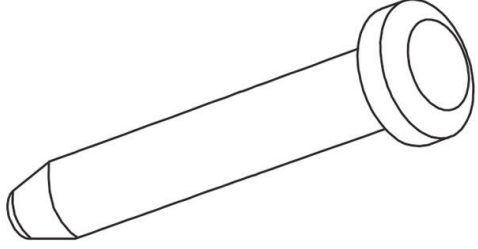
Endüstriyel Kolon ve Perde Kalıp Sistemleri (Industrial Column and Wall Formwork Systems)

Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Alın Çekirme Elemanı / Stop-End Tie	Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Çekirme Mili / Pulling Bar
ML0261	03,20	 Alın panoları için üretilmiştir. Kuşak kaması ile kullanılır For stopend panels , Used with waler wedges	ML0265	2,10	
ML0262	01,20	Kiriş Bağlantı Takımı / Coupling Compression Component  Dolgularda ahşap kirişlerin kuşak birleştirme elemanlarına bağlantısını sağlar. Bir adet aksesuar kaması gerekir. For connecting wooden beams to waler couples with one wedge to form infills	ML0266 ML0267 ML0268 ML0269 ML0270 ML0271 ML0272 ML0273	01,50 01,90 02,30 02,60 03,00 03,40 03,80 03,00	100 125 150 175 200 225 250 300
					Tie Rod Mili / Tie Rod 
			ML0274	00,50	Ayna / Plate 
ML0263	00,80	H20 Kuşak Sıkıştırma Elemanı / H20 Waler Fastening Component  Ahşap kirişlerin çelik kuşaklara bağlantısını sağlar. For connecting wooden beams to steel walers.	ML0275	00,50	Tie Rod Somunu / Waler Wing Nut 
ML0264	00,40	Kuşak Kaması / Waler Wedge  Kuşak birleştirme elemanı, dış köşe birleştirme elemanı ve alın bağlantı elemanı ile kullanılır. For connecting panels with waler couplers and fixing tie yokes, stopend ties.	ML0276	00,02	Ahşap Vidası (6/60) / Screw (6/60) 

Endüstriyel Kolon ve Perde Kalıp Sistemleri (Industrial Column and Wall Formwork Systems)

Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Bağlantı Kaması / Connection Wedge	Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Çift Kollu Payanda / Push Pull Prop										
ML0277	00,40	 Kiriş bağlantı elemanı ve payanda bağlantı başlığı ile kullanılır. For fixing coupling compression plate and push pull prop head.	ML0282 ML0283 ML0284 ML0285 ML0286	23,20 25,90 31,20 34,40 38,00	 Kiriş bağlantı elemanı ve payanda bağlantı başlığı ile kullanılır. For fixing coupling compression plate and push pull prop head. H-Min H-Max <table><tr><td>165</td><td>225</td></tr><tr><td>225</td><td>285</td></tr><tr><td>300</td><td>360</td></tr><tr><td>330</td><td>390</td></tr><tr><td>435</td><td>495</td></tr></table> H : Kalıp Yüksekliği	165	225	225	285	300	360	330	390	435	495
165	225														
225	285														
300	360														
330	390														
435	495														
ML0278	01,20	Vinç Kulpu Takımı / Crane Splice  Her blok için en az iki adet olmalıdır. Two crane splice for each formwork unit													
ML0279	01,20	Payanda Bağlantı Başlığı / Push-Pull Prop Head  Payandaların çelik kuşaklara bağlantısını sağlar For connecting push-pull props to steel walers.	ML0287	01,80	Payanda Tabanı Tekli / Base Plate For Single  Bir adet pim ve bir adet kopilya ile kullanılır Used with one pins and one detent pins										
ML0280	00,80	Pim / Pin  Payandaların kafalara birleşimini sağlar. For connecting push-pull props with heads.			Payanda Tabanı İkilili / Base plate For Double  İki adet pim ve iki adet kopilya ile kullanılır Used with two pins and two detent pins										
ML0281	00,03	Kopilya / Cotter Pin 	ML0288	03,50											

Endüstriyel Kolon ve Perde Kalıp Sistemleri (Industrial Column and Wall Formwork Systems)

Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Çalışma Konsolu / Walkway Bracket	Ürün Kodu Product Code	Ağırlık Kg Weight Kg	Kolon Kuşağı / Column Waler
ML0289	08,40	İdeal kullanım açıklığı 1,25 metredir. Bir adet civata ve bir adet somun ile ahşap kirişe montajlıdır. Allowable spacing is 1,25 meter .Fixed to H20 beam with one screw one nut 	ML0300 ML0301 ML0302 ML0303 ML0304	60,10 52,00 46,70 35,30 28,20	L / L 150/150 130/130 110/110 90/90 70/70 NPU 100 W_y = 82.4 cm³ I_y = 412 cm⁴ 
			ML0305 ML0306	24,30 31,40	Ayarlanabilir Kolon Kuşağı / Adjustable Column Waler L 115 145 
ML0290 ML0291 ML0292 ML0293 ML0294 ML0295 ML0296 ML0297 ML0298	12,30 13,30 14,50 16,50 18,00 19,50 22,50 24,50 29,50	H20 Ahşap Kiriş / H20 Wooden Girder L 245 265 290 330 360 390 450 490 590  Kabul Edilebilir Eğilme Momenti Admissible Bending Moment M= 5 kNm Kabul Edilebilir Kesme Kuvveti Admissible Shearing Force T= 11 kNm	ML0307	08,70	Ayarlanabilir Köşe Gönyesi / Adjustable Corner Component L/L 45/45 
ML0299	40,00	Plywood Ahşap Pano / Plywood Wooden Panel 2500mm / 1250mm / 18mm 	ML0308	00,40	Bağlantı Pimi / Connection Pin  Kolon ve Perde kuşaklarında kullanılır. Used for column and wall walers.