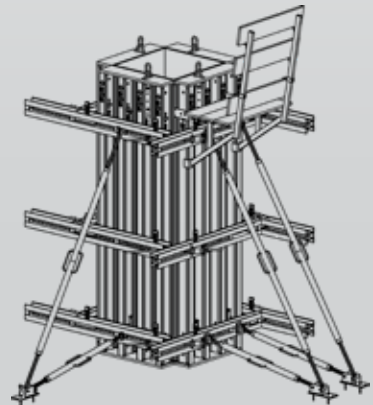
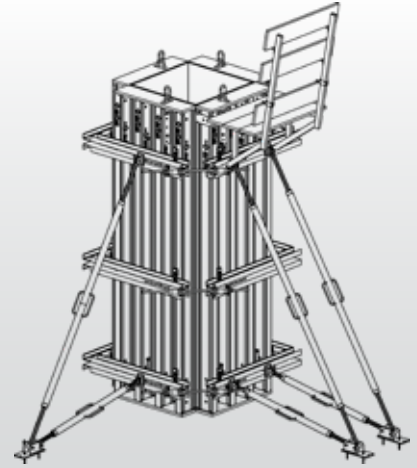


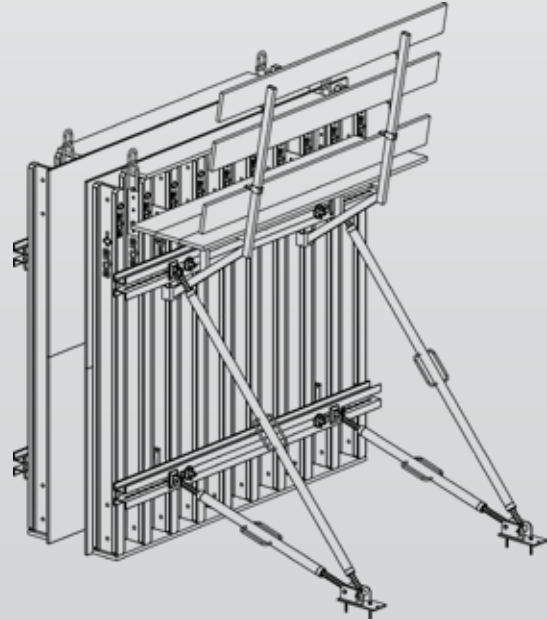
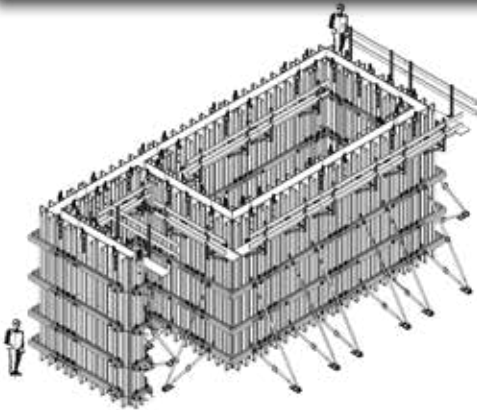
Ahşap Kolon Kalıpları

Konutlar, yüksek yapılar, iş ve alışveriş merkezleri, endüstriyel yapılar, arıtma tesisleri, enerji tesisleri, hastane sağlık tesisleri ile viyadük ayakları, köprü ayakları, istinat duvarları, menfez kalıpları vb. yol projelerinde ve HES projeleri, baraj gövdelerinde kullanılır. 3 temel elemandan oluşur, bunlar; H20 ahşap kiriş, çelik kuşak ve plywood. Vinç ile hızlı taşınarak kolay kalıplanması, çok tekrarlı kullanılması, beton sızdırmazlık özelliği ve şakule alma kolaylığı ile tercih edilir. Başka projelere kolay adapte edilmesinden dolayı geniş kullanım yelpazesine sahiptir. Tırmanma sistemleri ve şaft platformları ile birlikte kullanılabilir. Plywood arkası H20 ahşap kiriş ve çelik kuşak takviyesi ile oluşturulur. Aynı elemanlar kullanılarak ara mesafeleri değiştirilerek farklı ebat ve dayanımlarda panolar oluşturulabilir. Düz kuşaklar kullanılarak H20 ahşap kiriş ve plywood arasına ahşap şablonlar yardımı ile panolar açılı kuşaklarla birleştirilerek dairesel ve farklı geometrilerde perdelerin dökülmesine olanak verir. L kuşaklar kullanılarak H20 ahşap kiriş ile plywood arasına ahşap şablonlar yardımı ile dairesel ve farklı geometrilerde kolonlar dökülmesine olanak verir. Ahşap kolon kalıp L panoları köşe gergilerden somunlar kullanılarak kolayca kurulup sökülebilir. Ahşap perde kalıp düz panoları kuşak ekleri ve kamalar kullanılarak kolayca kurulup sökülebilir. Ahşap kolon kalıpları, kolon imalatlarında beton yükselme hızına bağlı taze beton basıncı yüksek olduğundan 90kN/m^2 'ye uygun olarak dizayn edilmiştir. Ahşap perde kalıpları 50kN/m^2 'ye uygun olarak dizayn edilmiştir. Vinç yardımı ile hızlı kolon ve perde imalatına olanak verir.

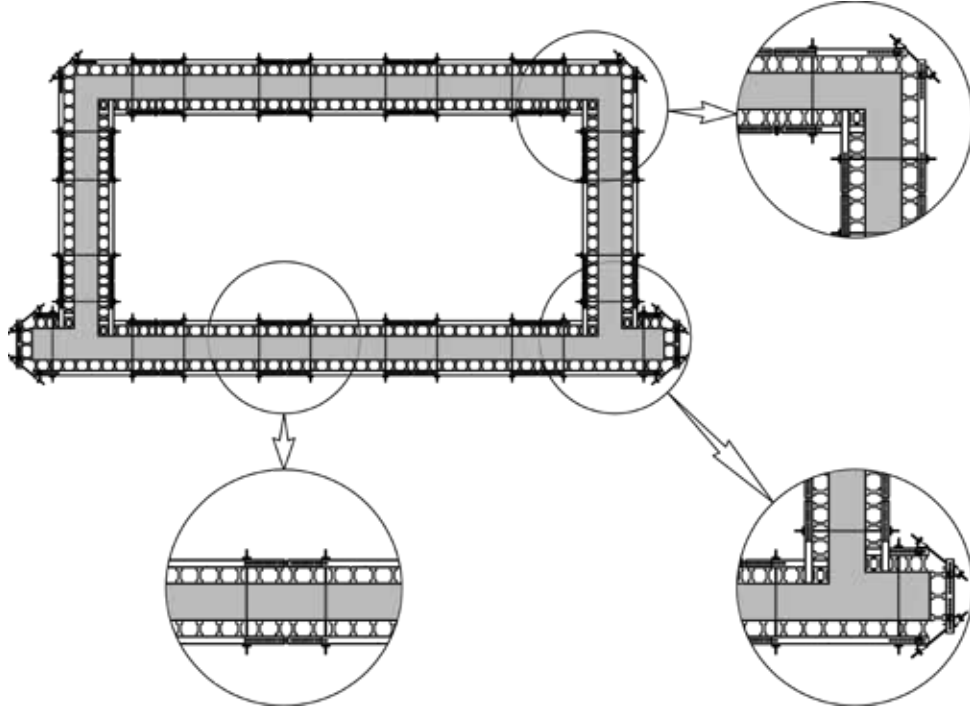
Column Formworks

Buildings, high buildings, business and shopping centers, industrial buildings, treatment plants, energy facilities, hospital health facilities and viaducts, bridge stands, retaining walls, culvert forms etc. road projects and HEPP projects, dam bodies are used. It consists of 3 basic elements; H20 wood beam, steel waler and plywood. It is preferred with fast moving and easy formwork with crane, repeated use, concrete sealing and ease of picking. It has a wide range of usage because it is easily adapted to other projects. It can be used with climbing systems and shaft platforms. Plywood is made with H20 wooden beam and steel waler reinforcement behind. Panels can be formed in different sizes and strengths by changing the intermediate distances using the same elements. By using flat walers, panel can be paired with angled lanes with the help of wooden templates between H20 wooden beams and plywood, allowing to pour curtains in circular and different geometries. By using L walers, it is possible to cast columns in circular and different geometries with the help of wooden templates between H20 wood beam and plywood. Wooden column formwork L panels can be easily installed and dismantled using nuts with corner bolts. Wooden wall formworks can be easily installed and dismantled by using flat panels with waler attachments and wedges. Wooden column formworks are designed according to 90kN/m^2 of fresh concrete pressure high due to concrete rise speed in column manufacturing. Wooden wall formworks are designed according to 50kN/m^2 . It is possible to manufacture fast columns and walls with the help of crane.

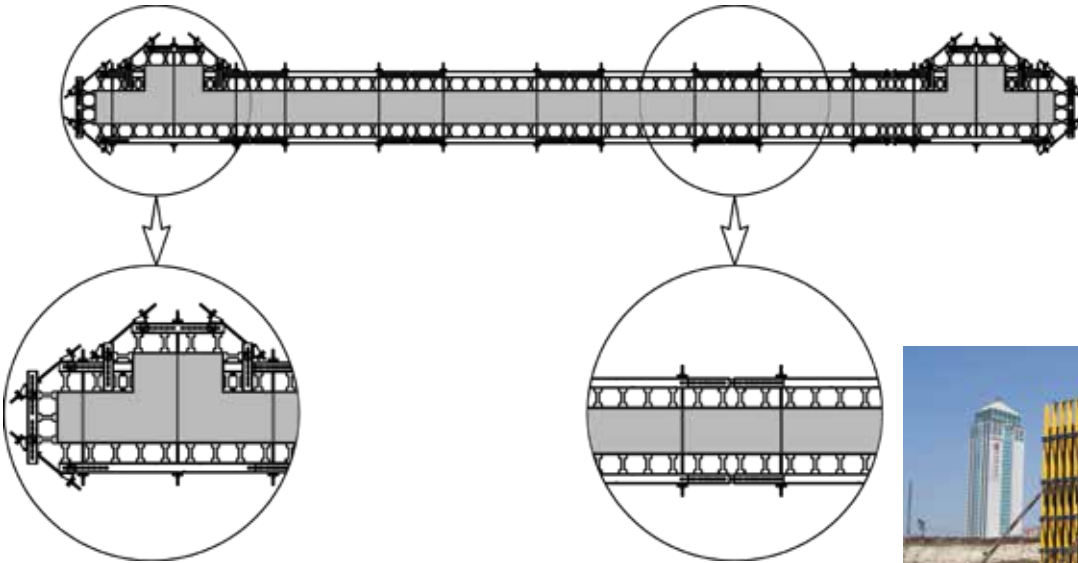




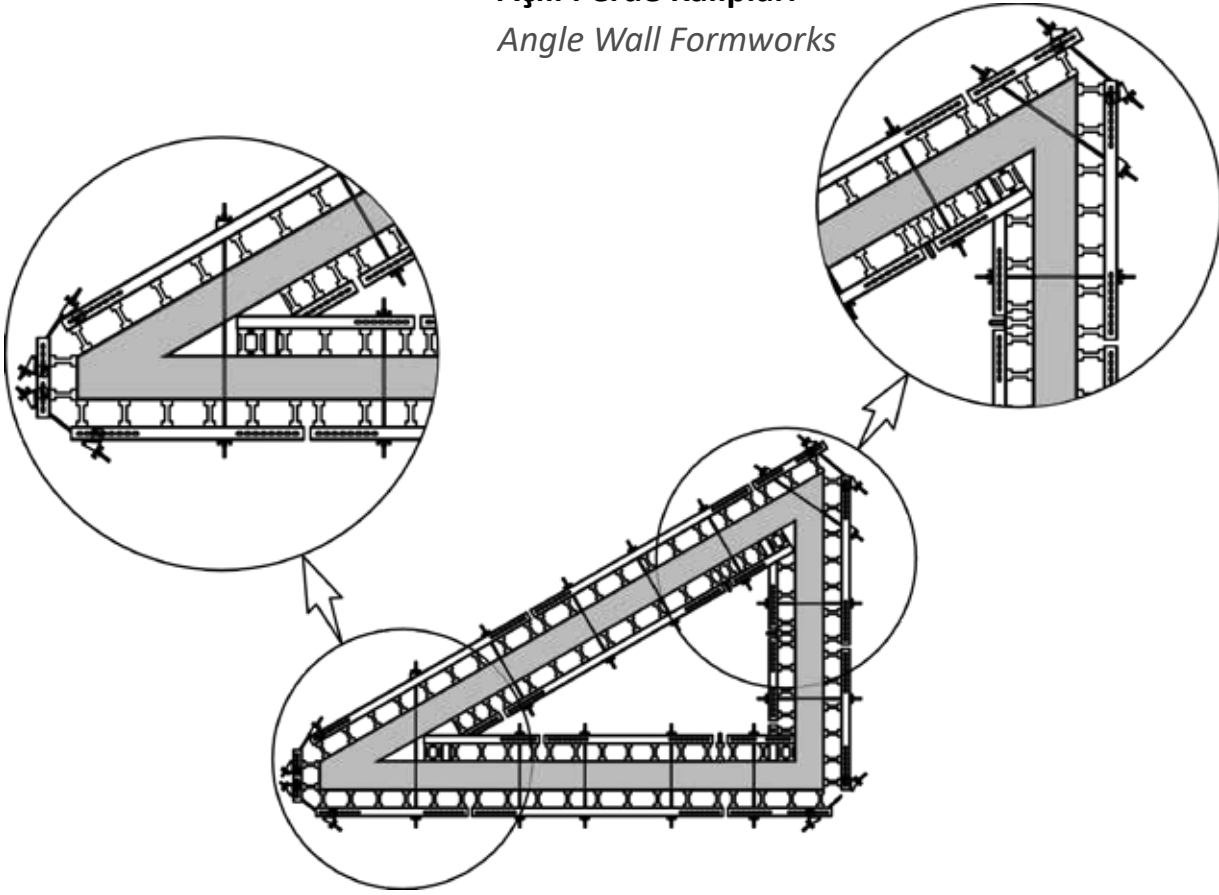
Şaft Perde Kalıpları Shaft Wall Formworks



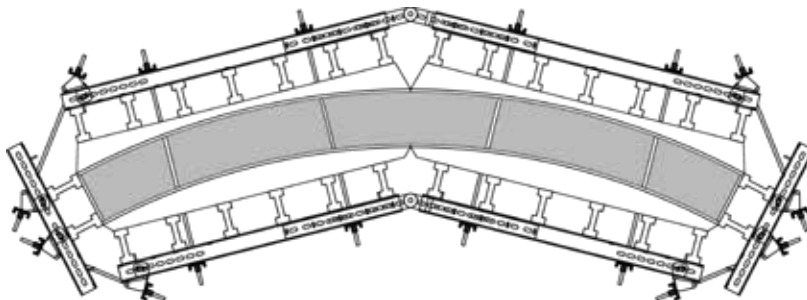
Düz Perde Kalıpları Wall Formworks



Açılı Perde Kalıpları *Angle Wall Formworks*

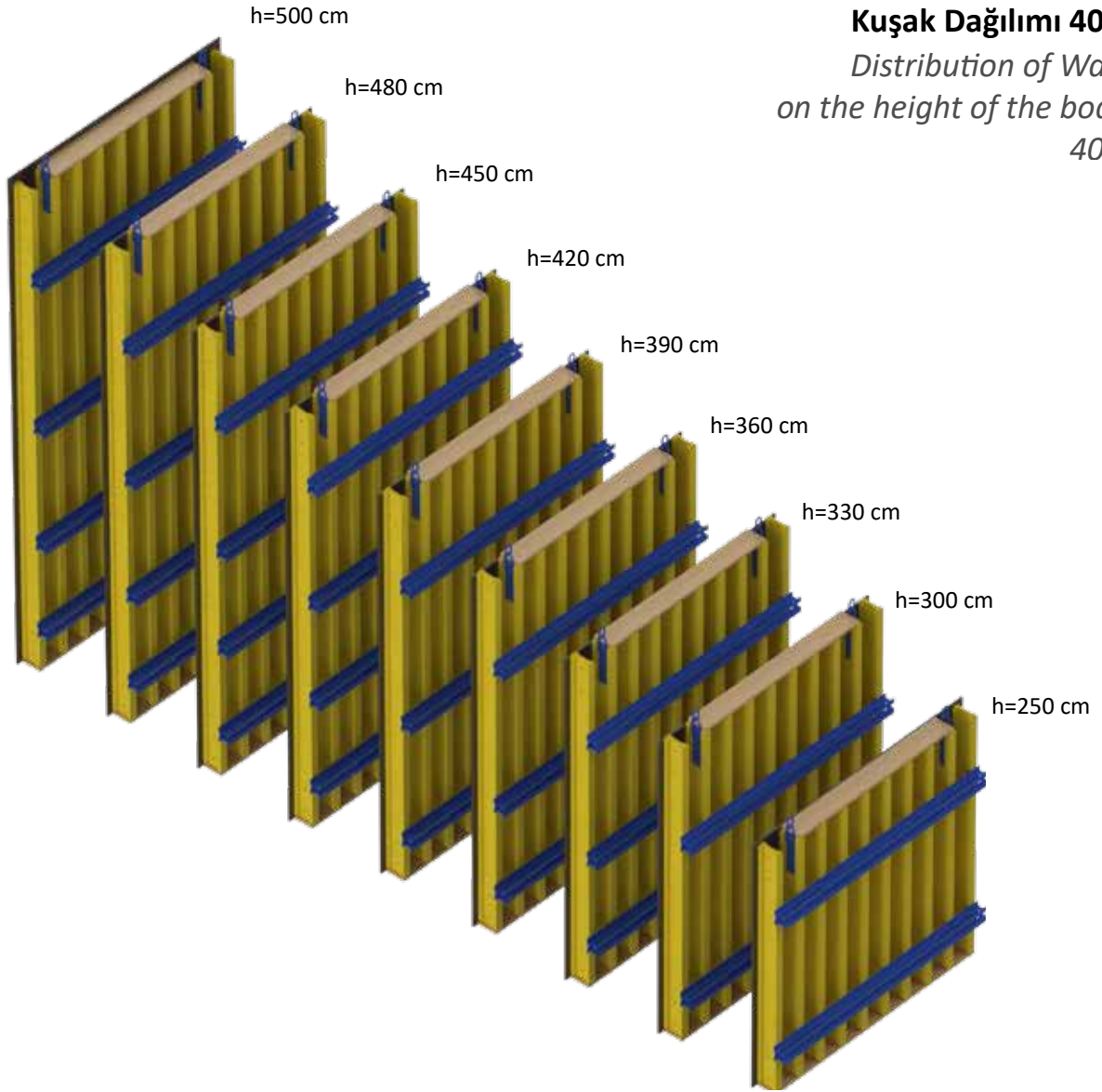


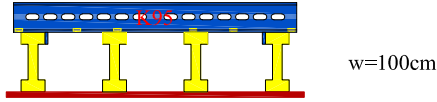
Düz Kuşaklı Dairesel Perde Kalıpları *Circular Wall Formworks with Straight Waler*



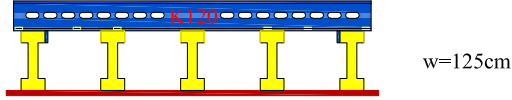
**Pano Yüksekliklerine göre
Kuşak Dağılımı 40kN**

*Distribution of Waler
on the height of the board
40kN*

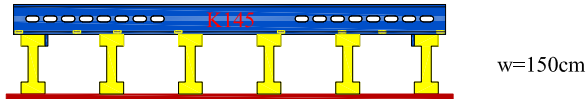




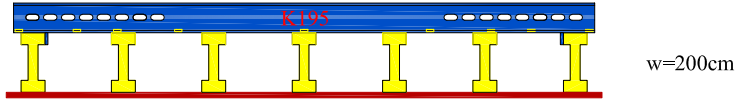
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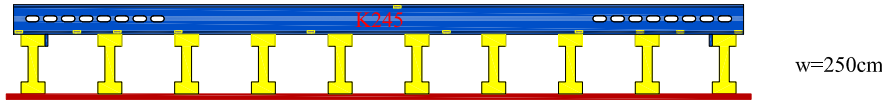
w=125cm



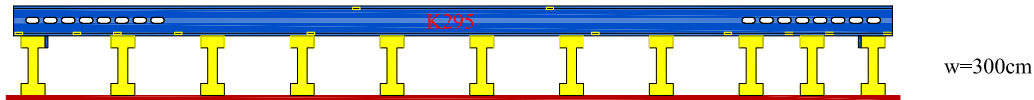
w=150cm



w=200cm



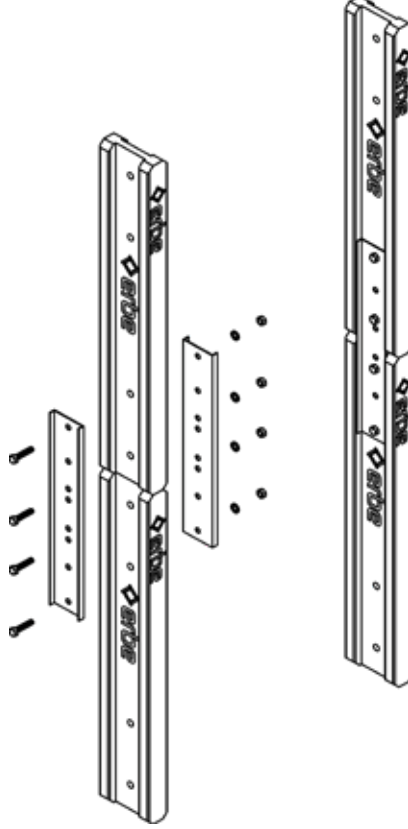
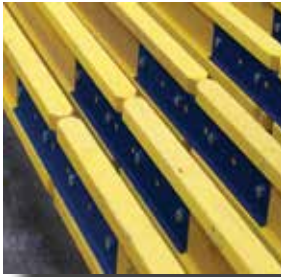
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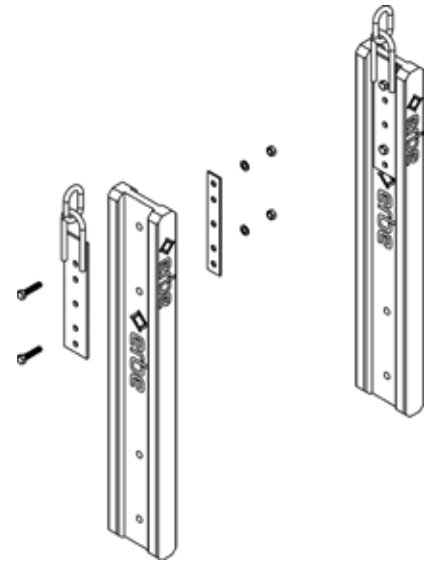
w=300cm



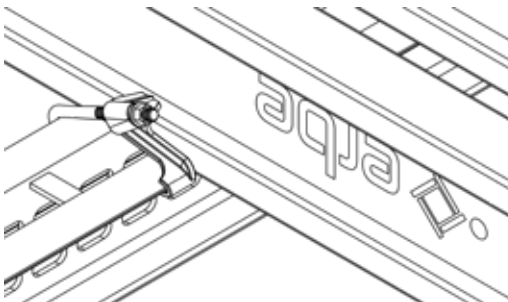
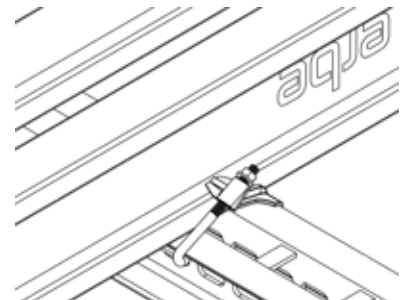
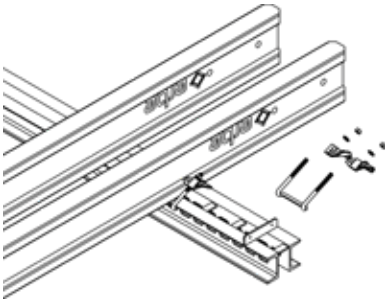
H20 Ekleme Elemanı Montajı Assembly of H20 Extension splice

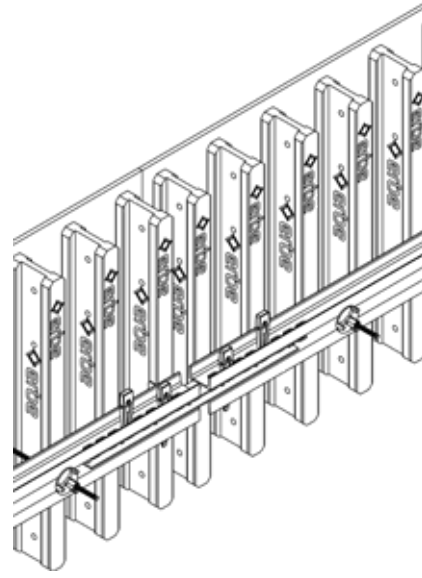
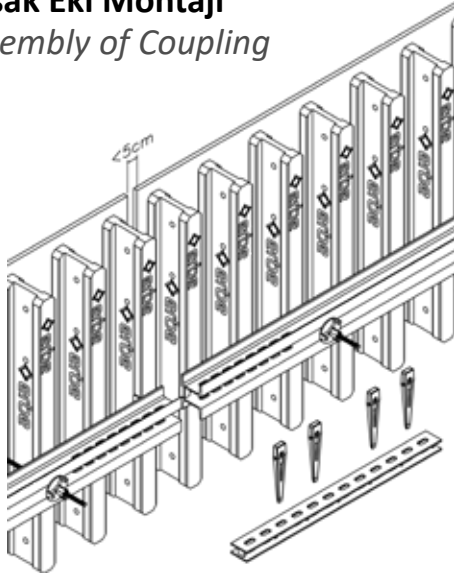
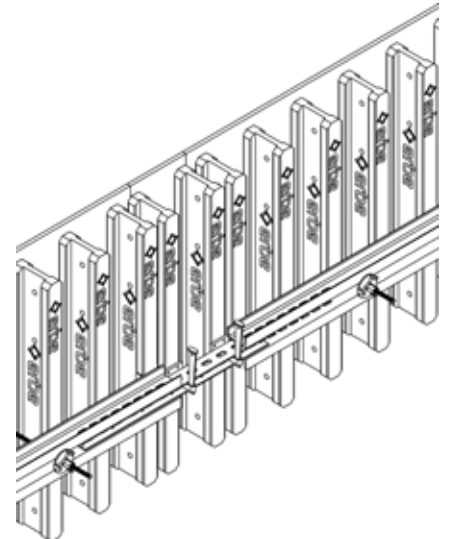
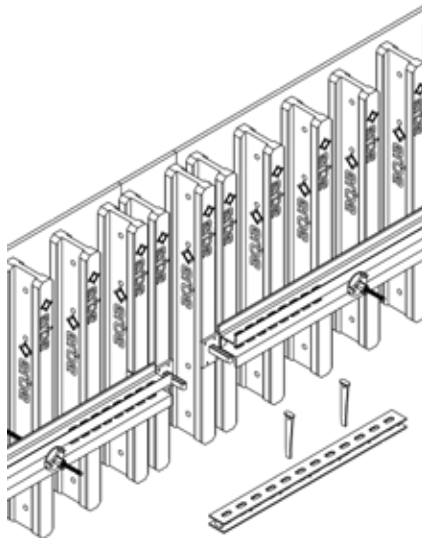
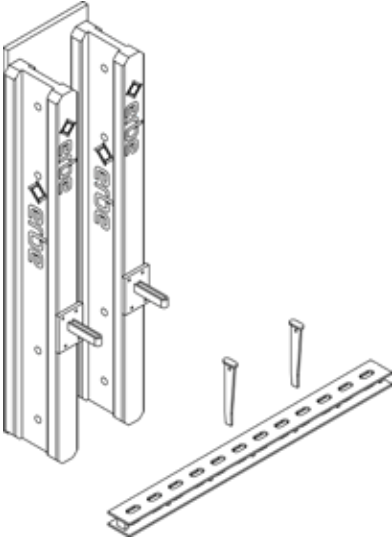


Vinç Askı Seti Montajı Assembly of Crane splice

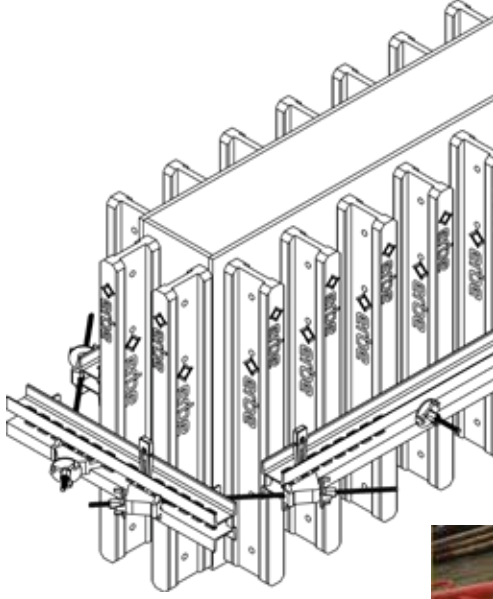


Kuşak Kelepçesi Montajı Assembly of H20 clamp

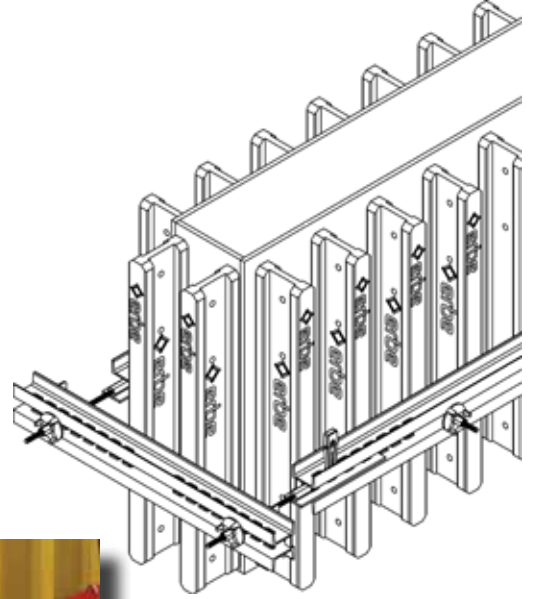


Kuşak Eki Montajı*Assembly of Coupling***Kuşak Eki Dengeleme Plakası Montajı***Assembly of Compression plate*

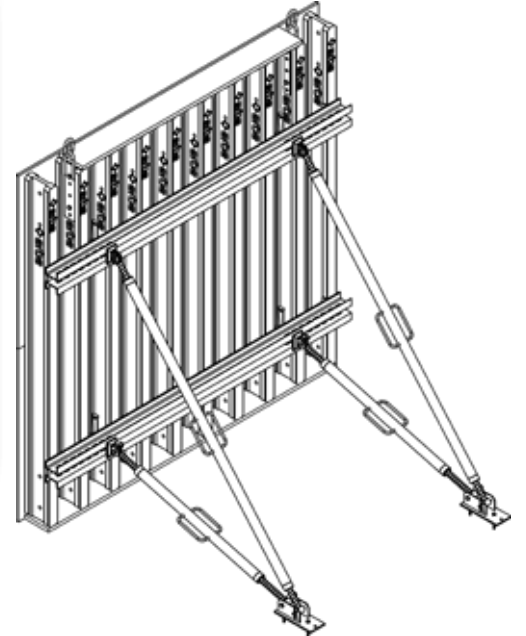
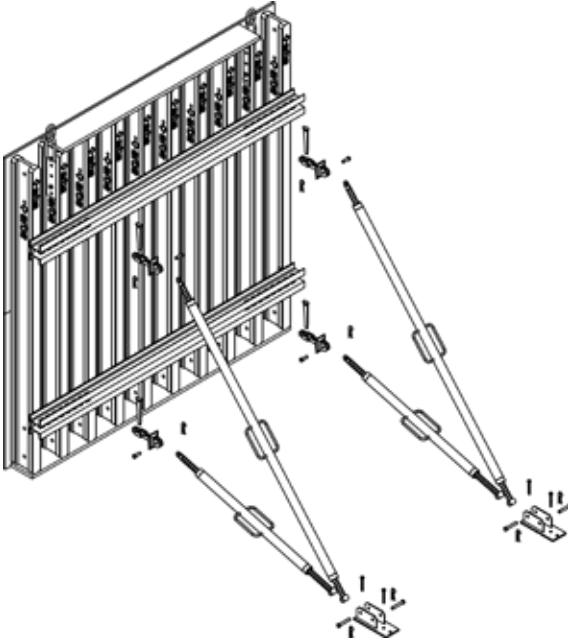
Alın Bağlantı Montajı
Assembly of Tie Yoke

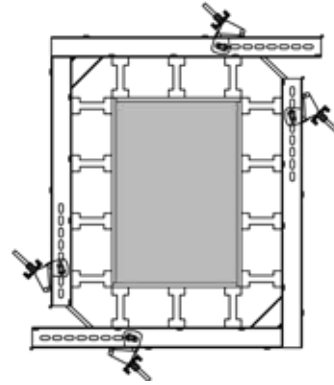
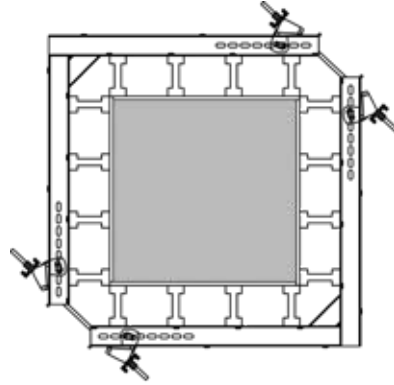
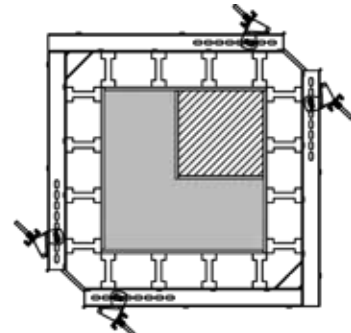
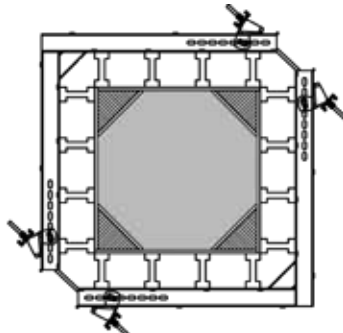
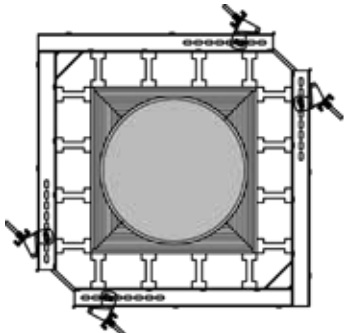


Alın Bağlantı Montajı
Assembly of Stopend Tie



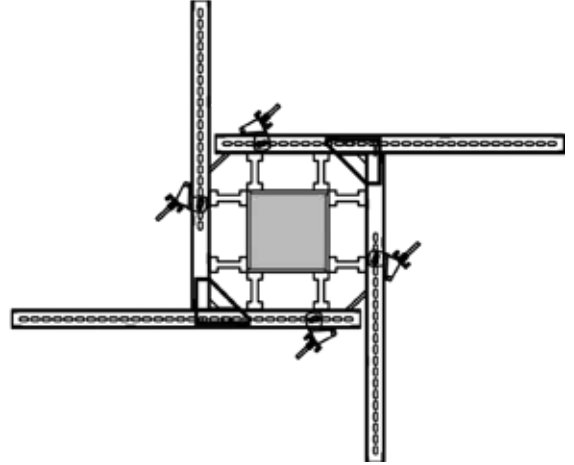
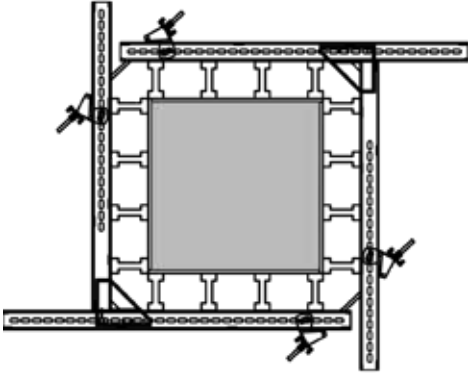
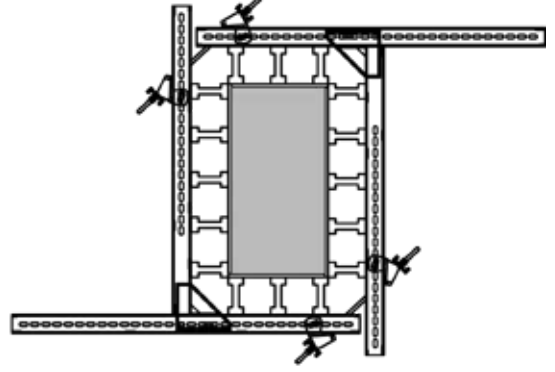
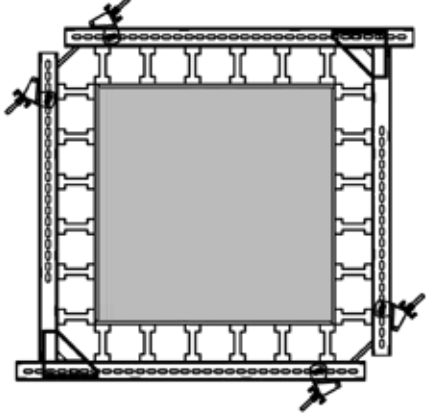
Payanda Montajı
Assembly of Push Pull Prop

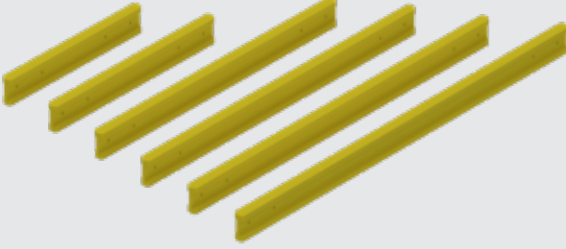


Farklı Kolon Tipleri*Different cross-sections of the column formwork***Özel Kesitli Kolon Tipleri***Special cross-sections of the column formwork*

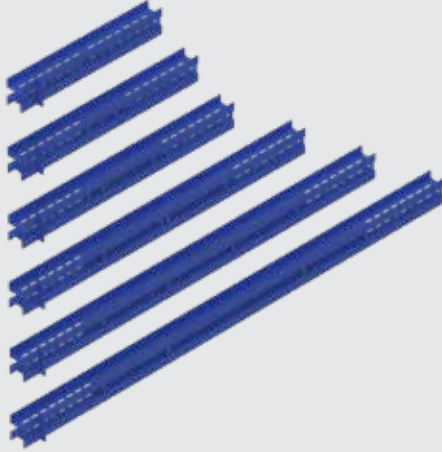
Ayarlı Kolon Kalıbı

Column formwork with adjustable waler



H20 Ahşap Kiriş *H20 Timber Beam*

120cm	120020120	5,40 kg
145cm	120020145	6,50 kg
215cm	120020215	9,70 kg
245cm	120020245	11,00 kg
270cm	120020270	12,20 kg
300cm	120020300	13,50 kg
330cm	120020330	14,90 kg
360cm	120020360	16,20 kg
390cm	120020390	17,50 kg
420cm	120020420	18,90 kg
450cm	120020450	20,30 kg
480cm	120020480	21,60 kg
510cm	120020510	23,00 kg

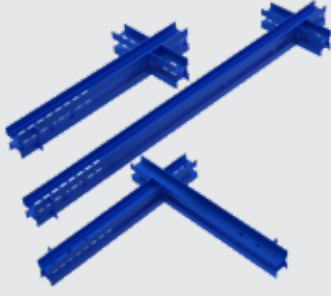
Düz Kuşak NPU100 *Waler NPU100*

60cm	201100060	12,60 kg
95cm	201100095	20,00 kg
120cm	201100120	25,20 kg
145cm	201100145	30,50 kg
195cm	201100195	41,00 kg
245cm	201100245	51,50 kg
295cm	201100295	62,00 kg

Kolon Kuşak NPU100 *Column Waler NPU100*

83+83cm	202083083	34,90 kg
93+93cm	202093093	39,10 kg
103+103cm	202103103	43,30 kg
113+113cm	202113113	47,50 kg
123+123cm	202123123	51,70 kg
133+133cm	202133133	55,90 kg
143+143cm	202143143	60,10 kg
153+153cm	202153153	64,30 kg
163+163cm	202163163	68,50 kg

İç Köşe Kuşak NPU100 *Inner Corner Waler NPU100*



50+120cm	204050120	35,70 kg
50+245cm	204050245	62,00 kg

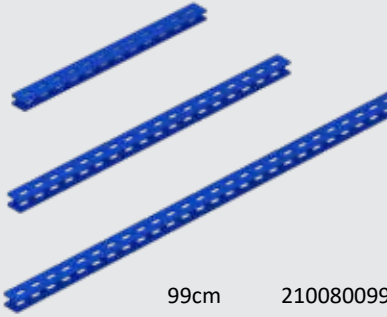
H20 Vinc Askı Sacı (Halkalı)
H20 Vinc Askı Karşılık Sacı

*H20 Crane Splice
H20 Counter Crane Splice*



45cm	120020045	2,50 kg
46cm	120020046	1,50 kg

Kuşak Eki *Coupling*



99cm	210080099	9,60 kg
147cm	210080147	14,30 kg
211cm	210080211	20,50 kg

H20 Ekleme Elemanı *H20 Extension Splice*



70cm	120020070	6,10 kg
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Açılı Kuşak Eki *Articulated Corner Coupling*



60+60cm	211060060	12,20 kg
76+76cm	211076076	15,20 kg

H20-H24 Kuşak Eki Dengeleme Plakası
H20-H24 Waler Coupler Compression Plate
Özel Kama - Sac *Special Wedge K - Plate*



214120080	1,60 kg
215200030	0,40 kg

Gönye Kuşak Eki *Corner Coupling*



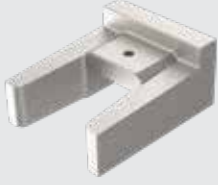
77+77cm	212770770	14,70 kg
43+95cm	212430950	12,20 kg

Kama -Sfero Döküm *Wedge KZ - Ductile Iron Casting*



215195050	0,80 kg
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H20 Sıkıştırma Elemanı - Sfero Döküm
H20 Clips - Ductile Iron Casting



216016010 0,70 kg

H20 Kuşak Kelepçe U Kancası
H20 Kuşak Kelepçesi - Sfero Döküm (Sağ-Sol/L - R)
Hook - Left-Right (L-R) Ductile Iron Casting



217003001	0,40 kg
217001001	0,20 kg
217001002	0,20 kg

Ayarlı Kolon Kuşak NPU100 (Bayraklı)
Adjustable Column Waler
NPU100 - with Flag



165cm 203100165 39,90 kg

Ayarlı Kolon Kuşak NPU120
Adjustable Column Waler NPU120



187cm 203120187 50,50 kg

Ayarlı Kolon Kuşak Ø20 L Pim (Delikli)
Adjustable Column L Pin Ø20
(Perforated)



203020250 0,60 kg

Payanda Push Pull Prop



80cm	222060080	7,80 kg
100cm	222060100	8,70 kg
125cm	222060125	9,75 kg
150cm	222060150	10,80 kg
200cm	222060200	17,40 kg
250cm	222060250	21,14 kg
300cm	222060300	26,00 kg
350cm	222060350	28,50 kg
375cm	222060375	31,00 kg
400cm	222060400	33,50 kg

İkili Payanda Taban Plakası
Push Pull Prop Base Plate

223120300 3,50 kg

Alın Bağlantı Elemanı Stopend Tie



219390080 2,20 kg

Dış Köşe Bağlantı Elemanı - Sfero Döküm

Tie Yoke
Ductile Iron Casting



220001001 2,60 kg

Çektirme Mili - L=650mm

Ø17 Tie-Rod Puller Spindle - L=650mm



220002065 2,20 kg

Tekli Payanda

Push Pull Prop (Single)



Tekli Payanda Taban Plakası

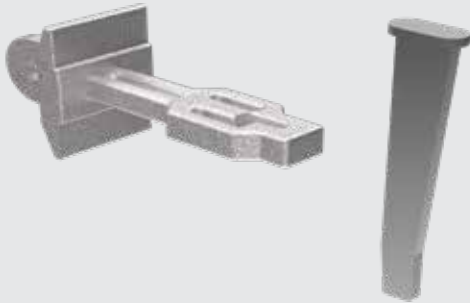
Singular Prop Base Plate

223120150 2,50 kg

Payanda Kafası - Kuşak - Sfero Döküm

Push Pull Prop Head Piece - Waller - Ductile Iron casting

Özel Kama - Sac Special Wedge K - Plate



221001001 2,30 kg
215200030 0,40 kg

Çalışma Konsolu (H20 Ahşap Kiriş)

Scaffold Bracket (Timber Beam)



224060120 10,00 kg

Ø17 Tij Pulu - Presli Ø17 Tie-rod Counter Plate - Press



226110004 0,40 kg

Çalışma Konsolu (Kuşak)

Scaffold Bracket (Waler)



224060100 12,00 kg

Beton Vidası MMS-S M10x100

Beton Vidası MMS-S M12x100

Concrete Screw MMS-S M10x100

Concrete Screw MMS-S M12x100



240010100 0,08 kg

240012100 0,06 kg

Ø17 Tij Somunu - 100mm Tablalı - Sfero Döküm

Ø17 Tie-rod Waler Wing Nut 100mm - Ductile Iron casting



230017100 0,60 kg

Ø17 Tij Somunu - 90mm Tablalı - Sfero Döküm

Ø17 Tie-rod Waler Wing Nut 90mm - Ductile Iron casting



230017090 0,40 kg

Ø17 Tij - Tie-Rod Ø17 Tie-Rod

50cm	225017050	0,75 kg
75cm	225017075	1,13 kg
100cm	225017100	1,50 kg
120cm	225017120	1,80 kg
150cm	225017150	2,25 kg

Ø17 Tij Somunu - Çatal Somun - Sfero Döküm

Ø17 Tie-rod Wing Nut - Ductile Iron casting



230017110 0,40 kg

Ø17 Tij Somunu - Taban Plakalı

Çatal Somun - Sfero Döküm

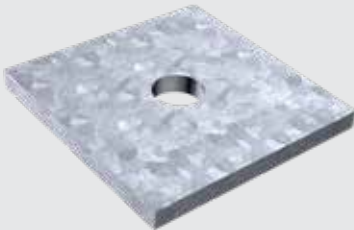
Ø17 Tie-rod Wing Nut Pivot Plate - Ductile Iron casting



230017120 1,20 kg

Ø17 Tij Pulu - Düz

Ø17 Tie-rod Counter Plate - Flat



226120008 0,90 kg

Pim (Delikli) Ø16x100 Pin (Perforated) Ø16/100

R Firkete 4/1 Cotter Pin 4/1



245016100 0,20 kg
246004001 0,01 kg

Ø17 Tij Sütütücü Muf - Sfero Döküm

Ø17 Tie-rod Water Stop - Ductile Iron casting



235017120 0,40 kg