

**CEIR**

aluminium  
open  
cell  
ceilings

 commercial ceilings  
**deckon**<sup>®</sup>  
PREMIUM

alüminyum  
petek  
tavan  
sistemleri



CEIR farklı ebatta, farklı renkte ve farklı yüzey detayında, geniş ürün yelpazesine sahip bir alüminyum petek tavan profilleri üreticisidir.

CEIR tasarımcılara mimarideki entegre tasarım kriterleri doğrultusunda çözümler sunar.

CEIR asma tavan sistemleri, prensipte teknolojik tesislerde bir örtü olarak, aydınlatma tasarımı amacıyla ve tavanda standart dışı uygulamalara imkan sağlamak amacıyla kullanılırlar. Bu çözümlerin getirdiği pratik ve estetik faydalar sayısızdır: ışık ve hava eşit dağıtılırken tavanın ya da aydınlatma sisteminin herhangi bir kısmı belirgin bir biçimde görünür değildir. Tamamıyla homojen ve monolitik bir tavan görüntüsü elde edilir. Tasarıma göre farklı tavan elemanları birlikte kullanılarak tavanda bir ahenk oluşturulur. Yükü taşıyan gizli taşıyıcı profillerinin hafifliği ile tavan boşluğunda saklanan servis ekipmanlarına hızlı, pratik ve kolay erişim imkanı sunulur.

Bileşenlerin modülerliği, kullanılan aksesuarların sadeliği, montaj sisteminin uygulanabilir olması ve kullanılan hammaddenin alüminyum olması gibi unsurlar, CEIR petek tavan sistemlerinin oldukça etkili, kaliteli ve aynı zamanda ekonomik bir tavan tercihi olmasını sağlamaktadır.

**ISO 9001:2008 Kalite Sistemi Sertifikalı**

CEIR produces a wide range of aluminium grids for false ceilings, with various sizes of cell, section shapes and types of finish.

CEIR offers designers and users a host of possibilities of use in line with the criteria of integrated architecture.

The CEIR false ceilings system is principally used for shielding technological plants, for lighting schemes and to unify and render more uniform particular spaces with unusual shapes and uneven heights.

The practical and aesthetic benefits offered by these solutions are innumerable: light and air are evenly distributed while no part of the lighting or the structure remain visible thus permitting the overall use of the space above for other purposes. A harmonizing effect may be created between the various compositional structures in the setting, thereby imparting an uniform, harmonious atmosphere. The lightness of the materials and the possibility of using small panels set along side each other that do not reveal the load-bearing structure, enable easy, practical maintenance of any element located in the space above the false ceiling.

The modular nature of the components, the simplification of accessories, the rationalization of the installation systems, the material itself aluminium, make CEIR open cell ceilings an extremely simple and inexpensive system of top quality.

**Cerfied Quality system ISO 9001:2008**





## GRIGLIATI



Monoblade  
Monoblade

Grigliati

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## TETRÁL



“U”şekilli profil  
Double blade “U” shape

Tetrál

21

Tetrál b

23

Tetrál s

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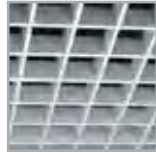
Tetrál Line

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“Δ”şekilli profil  
Double blade “Δ” shape

Delta

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Montaj sistemi ve aksesuarlar  
Mounting systems and accessories

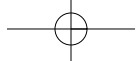
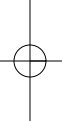
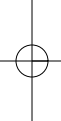
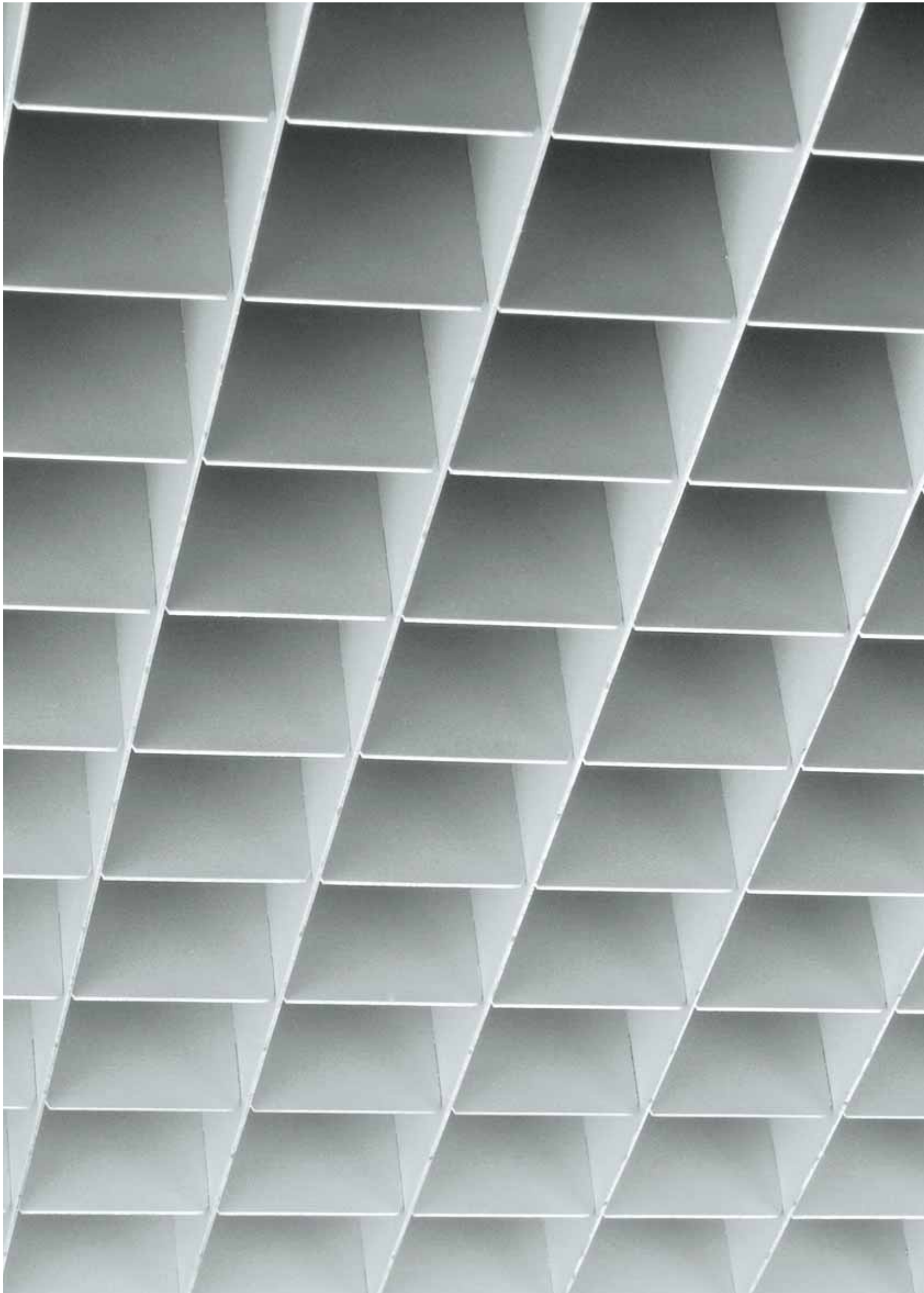
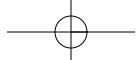
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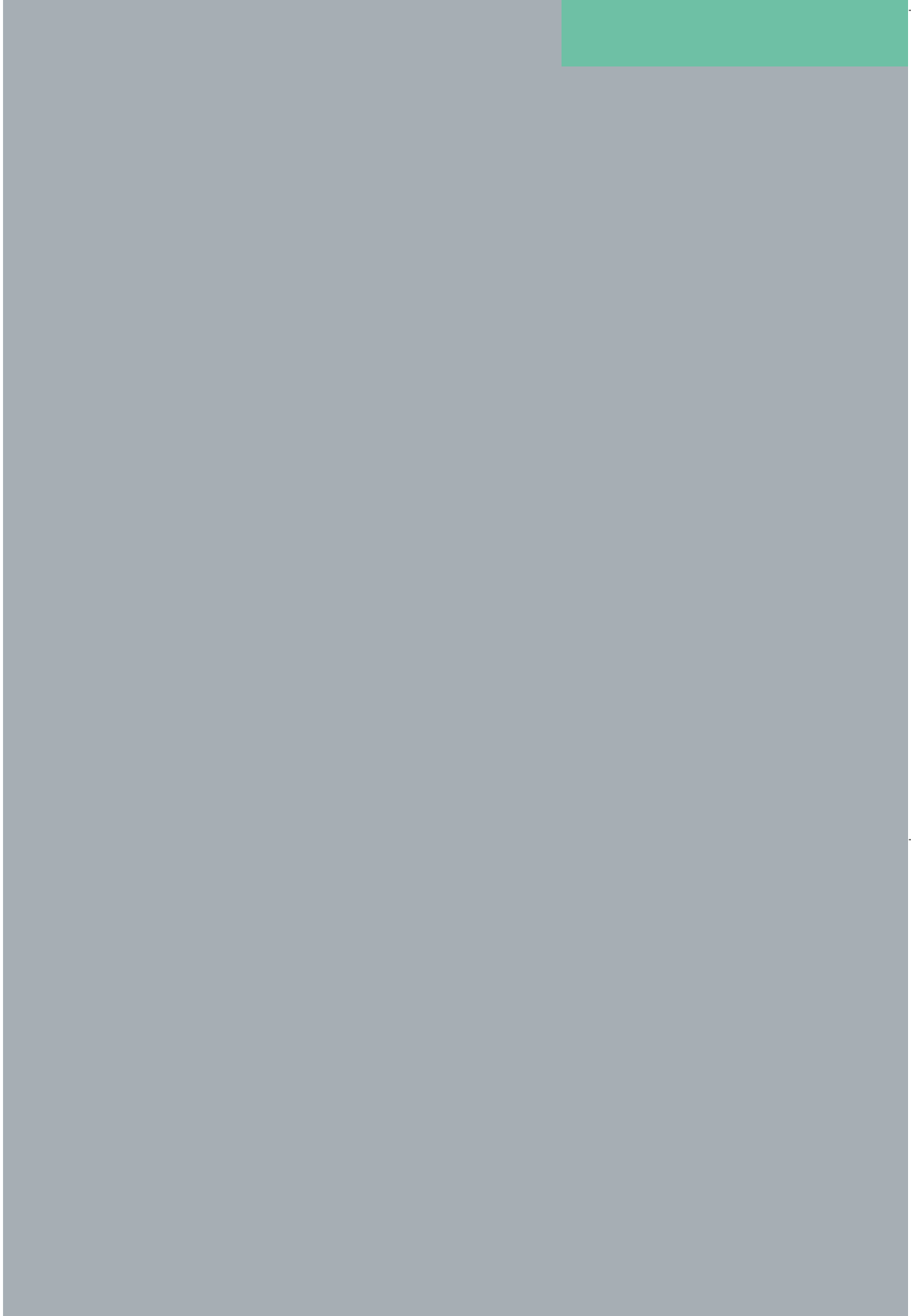
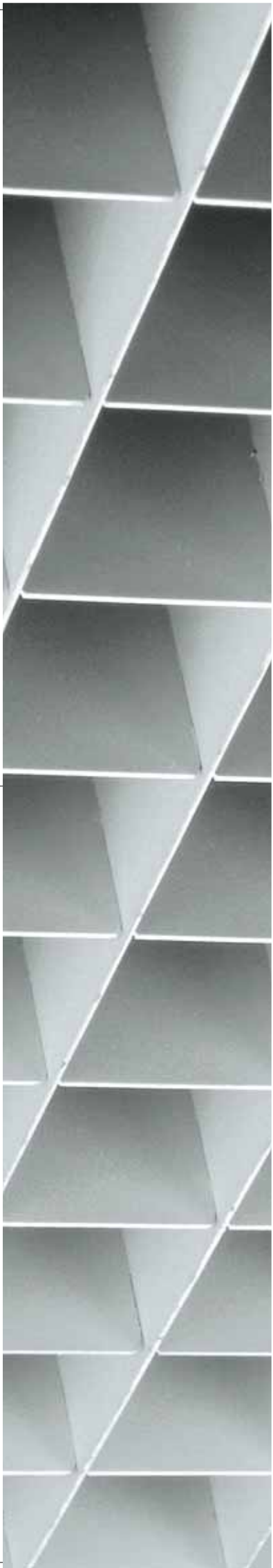
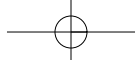
Renkler  
Colours

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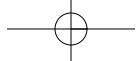
Hammadde  
Base materials

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**GRIGLIATI**







Monoblade tek profilden oluşan petek tavan sistemidir. Profiller birbirine sıkı biçimde monte edilerek kare veya dikdörtgen form alırlar. Dekoratif ve ışığın dağılarak yayılımını sağlayan bir tavan sistemidir. Küçük ebatlı monoblade hücreler, asma tavan boşluğunda bulunan tesisat ve servis ekipmanlarını, kabloları gizlemenin iyi bir yoludur.

#### ÖZELLİKLER

Monoblade 3 biçimde sunulur: OR1, ORi and ORs hücre biçimine göre değişen adlarıdır.

OR1: yüzey düzdür

ORi: yüzeyde profiller açılı olarak birbirine geçmiştir

ORs: yüzey kübiktir

Monoblade 1200x600 mm modüller olarak üretilmiş alüminyum profillerden oluşur.

Hücre ebatları 13x13 mm den 150x150 mm'e kadar değişebilir.

Profil yükseklikleri de 13 mm'den 80 mm'e kadar uzanır.

Monoblade petek tavan profilleri düz veya estetik ve akustik amaçlara hizmet edebilmek için perforasyonlu olarak da sunulabilmektedir.

Standart perforasyon:

Delik çapı Ø 1,50mm, 22% delikli alan, 3 mm diagonal delik aralıklı

Delik çapı Ø 2.50 mm, 19% delikli alan, 5 mm düzenli delik aralıklı

Hazır boyalı veya sonradan boyanan alüminyum renk seçenekleri oldukça geniştir. RAL, NCS, PANTONE ve SIKKENS renk kartelalarından yapılacak tercihe göre üretim mümkündür.

#### TEDARİK ŞEKLİ

Monoblade sistemler her zaman montajlı/petek haline getirilmiş olarak sunulur.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır.

#### MONTAJ

1200x600 mm ölçülerinde modüller, petek tavan taşıyıcı sistemi içinde gizlenirler.

Gizli taşıyıcı sistem modüllerin hızlı ve kolay şekilde demonte edilebilmelerini sağlar. Paneller T15 / T24 ("lay-in" ya da "lay-on") taşıyıcı sistemlere de uygundur.

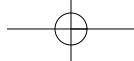
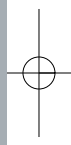
#### ŞARTNAME:

Ürün:	Monoblade QR1, QRi ve QRs
Tedarik şekli:	Petek haline getirilmiş, hazır.
Malzeme:	0,40/0,80 mm kalınlıkta alüminyum
Hücre ebadı:	...x... mm.
Panel ebadı:	1200x600 mm.
Yüzey bitiş:	...
Taşıyıcı sistem:	Gizli taşıyıcı "A" ve "B", veya T15-24 taşıyıcı sistem profillerine üstten oturmalı





## Grigliati



GRIGLIATI are the monoblade aluminium open cell ceilings, made of assembled strips to form square or rectangular cells.

Their effect is highly decorative, allowing for an indirect diffusion of light.

The small cells make GRIGLIATI suitable for many applications, like covering air condition machinery, lift application, vertical mounting and decoration.

#### FEATURES

GRIGLIATI are mainly provided in 3 variations: QR1, QRi and QRs depending on the face of the cell provided.

QR1: the face is flat - QRi: the face is flat with inclined strips - QRs: the face is cubic.

Upon request, special faces of cell are available.

GRIGLIATI feature 1200x600 mm modular panels, made up of aluminium strips, which suitably assembled form square cell with a dimension and height depending on application.

Cell sizes from 13x13 mm up to 150x150 mm.

Heights from 13 mm up to 80 mm.

GRIGLIATI can be supplied either plain or perforated, to achieve aesthetic and acoustic requirements. Standard perforation patterns are as follows:

hole  $\varnothing$  1,50 mm, 22% free opening, 3 mm pitch.

hole  $\varnothing$  2,50 mm, 19% free opening, 5 mm pitch.

A wide range of finishes either from pre-painted or post-painted aluminium is available, according to the RAL, NCS, PANTONE and SIKKENS colours. Enamelled after assembly, GRIGLIATI are designed not to show uncoated edges.

#### SUPPLY FORM

GRIGLIATI are always supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

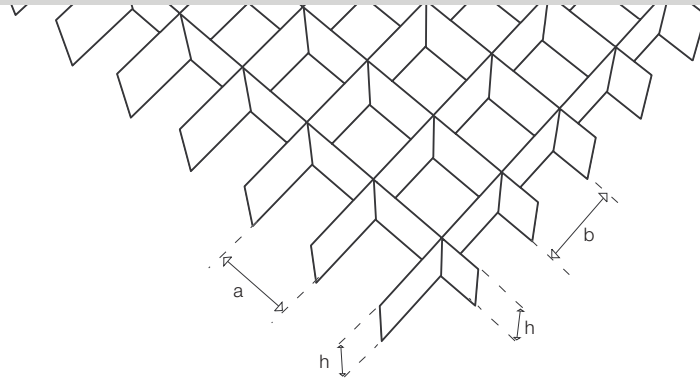
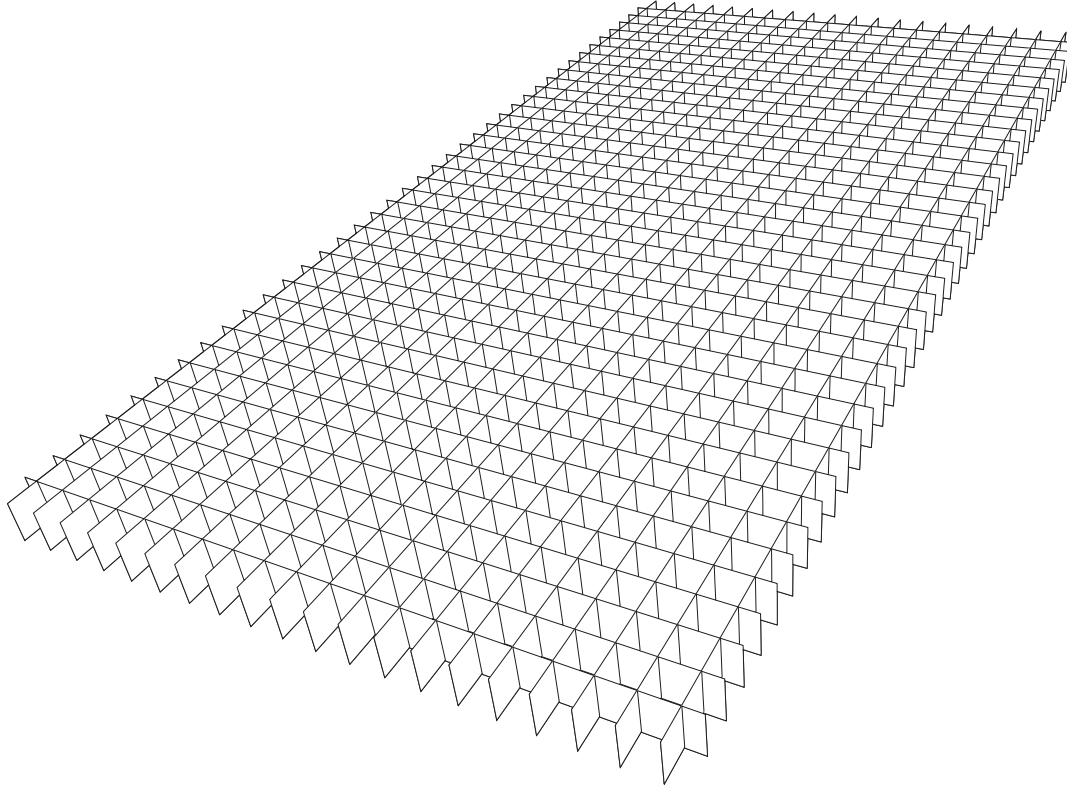
The modular panels, 1200x600 mm, are suspended from the concealed GRILL Suspension System, available in two versions: system "A" (lay in concealed on grids of type T16) or "B" (hanged to concealed tube placed above the ceiling).

The concealed GRILL Suspension Systems allow for easy and fast placement or removal of the panels.

The panels can also be installed on the standard grids of type T15 or T24 ("lay-in" or "lay-on").

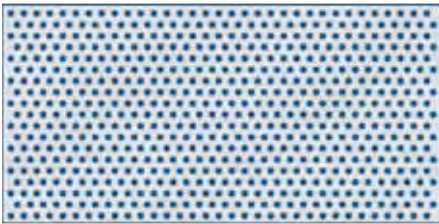
#### SPECIFICATION

Product:	Grigliati QR1, QRi and QRs
Supply form:	assembled panels
Material:	0,50-0,80 mm. th. aluminium
Cell size:	...x... mm.
Panel size:	1200x600 mm.
Finish:	...
Suspension:	concealed system "A" or "B", or to lay-in/on T15 or T24 grid
Quantity:	... sq.m.



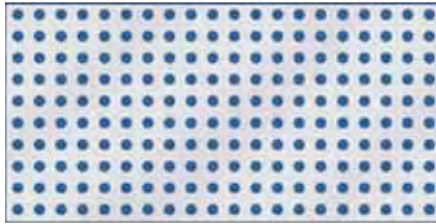
Perforasyon / Perforation patterns

Ø1,5 mm delik çapı, %22 delikli alan  
3 mm diagonal delik sırası



1,5 mm. hole, 22% open area,  
3 mm. diagonal pitch.

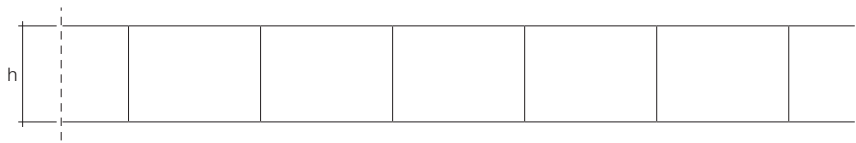
Ø 2,50 mm delik çapı, %19 delikli alan  
5 mm düzenli delik sırası



2,50 mm. hole, 19% open  
area, 5 mm. parallel pitch.

## Grigliati

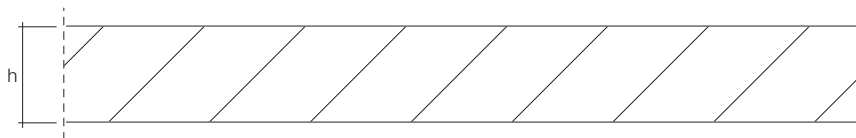
### Grigliati QR1



a	b	h	sp - th
13	13	13	0,50
13	13	25	0,50
13	13	30	0,50
13	13	40	0,50
15	15	15	0,50
17	17	13	0,50
20	20	18,5	0,60
20	20	20	0,50
25	25	25	0,50
30	30	25	0,50
30	30	30	0,50
35	35	30	0,50
37,5	37,5	30	0,50
40	40	30	0,60
40	40	35	0,60

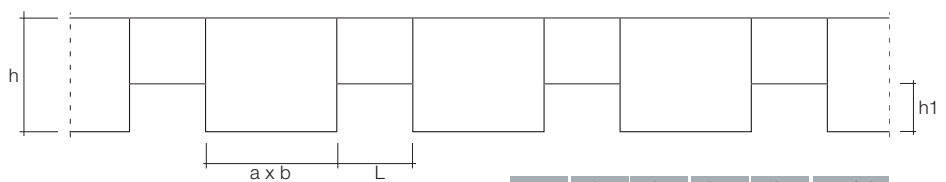
a	b	h	sp - th
45	45	30	0,60
50	50	30	0,80
50	50	35	0,80
50	50	40	0,80
50	50	50	0,80
60	60	30	0,80
60	60	35	0,80
60	60	40	0,80
60	60	50	0,80
70	70	35	0,80
70	70	40	0,80
75	75	40	0,80
75	75	50	0,80
100	100	50	0,80
140	140	80	1,00

### Grigliati QRi



a	b	h	sp / th
20	20	20	0,50
30	30	25	0,50

### Grigliati QRs



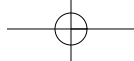
a	b	h	h1	L	sp / th
50	50	50	25	30	0,80
60	60	50	20	15	0,80
70	70	40	12	15	0,80



Grigliati



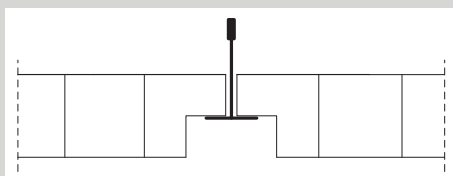
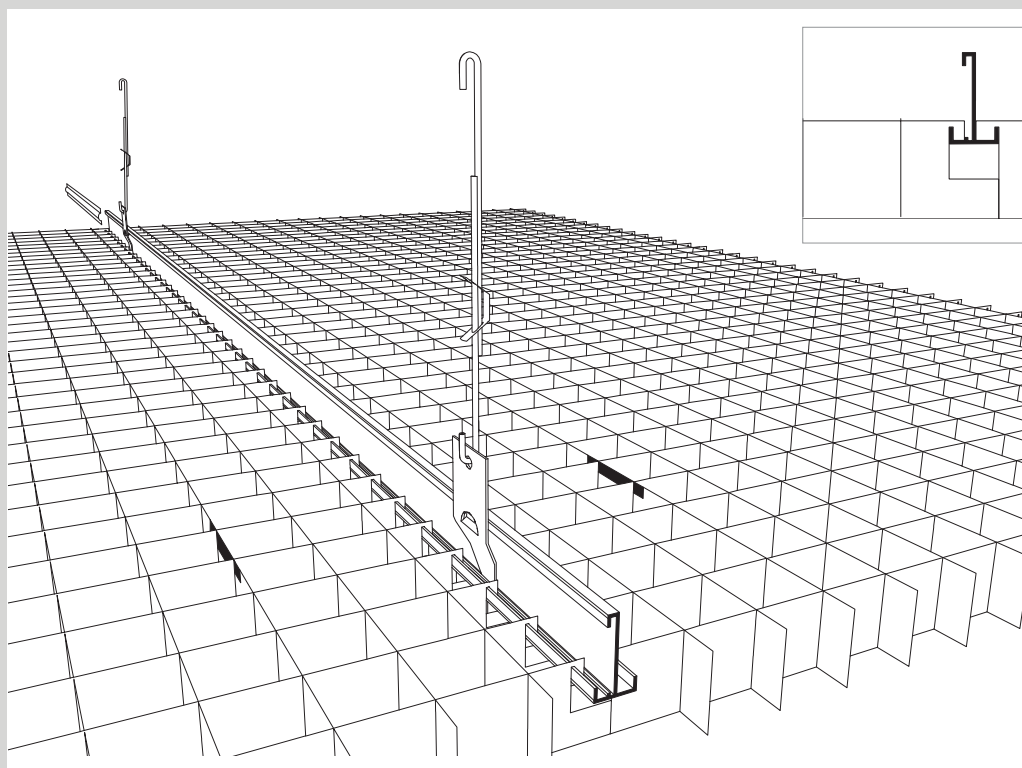
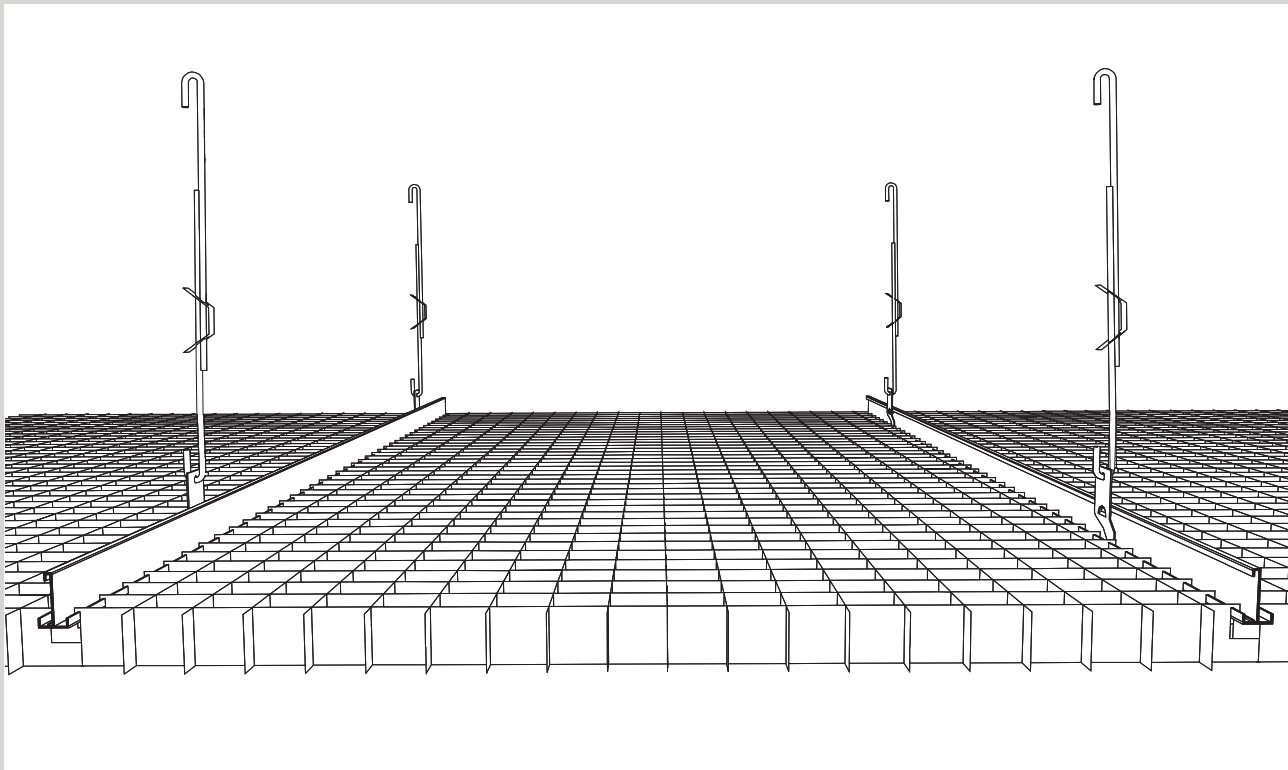




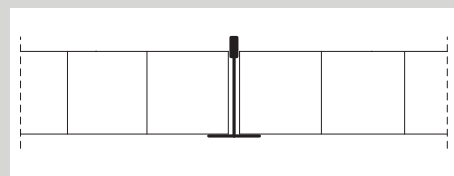
# Grigliati

Montaj  
Installation

sistem A - system A

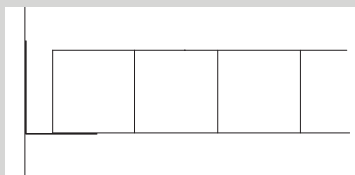
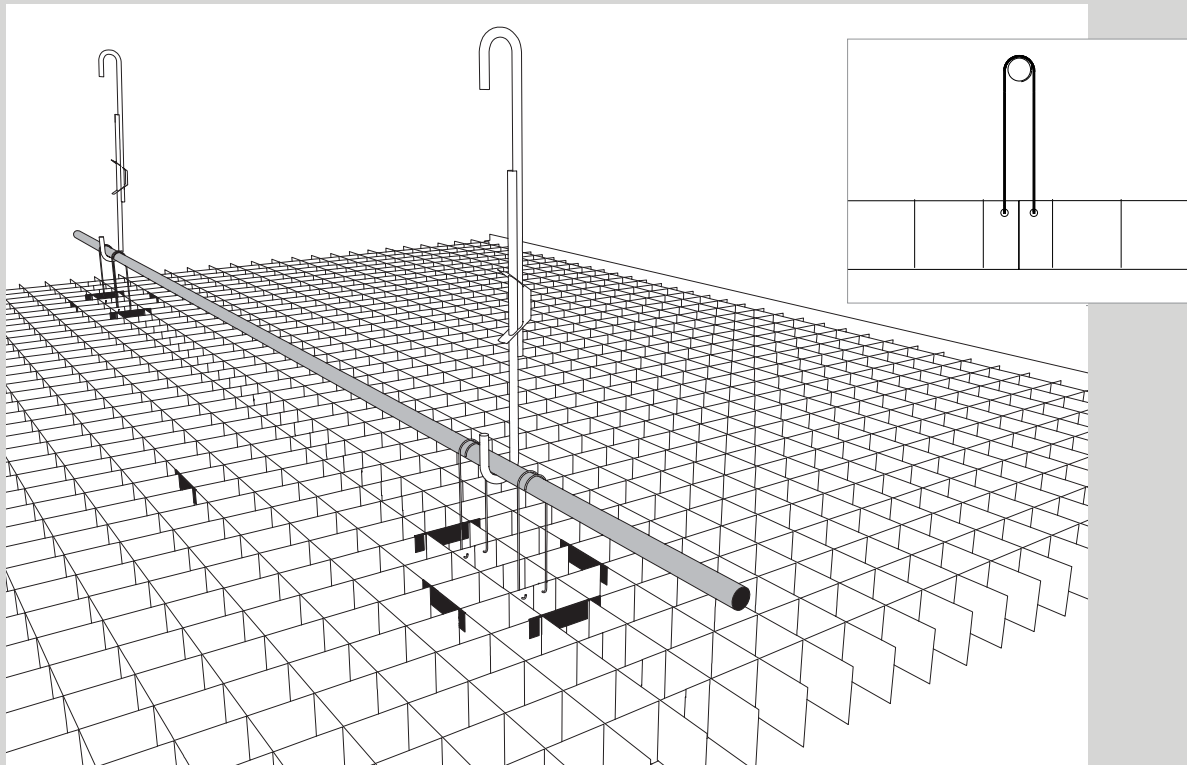
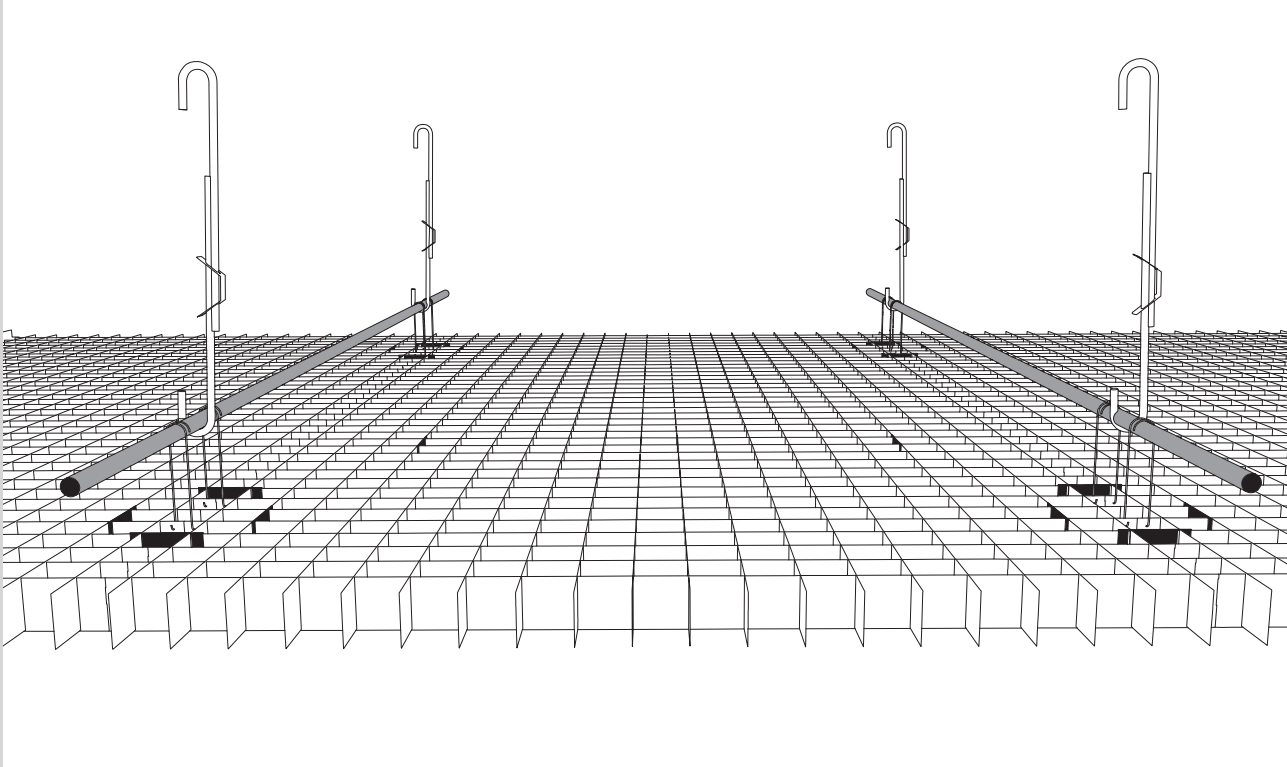


Sarkmali sistem  
to lay-in system

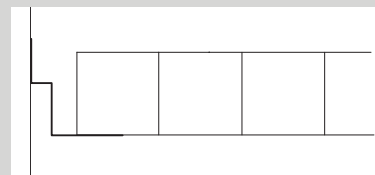


Oturmalı sistem  
to lay-on system

sistem B - system B



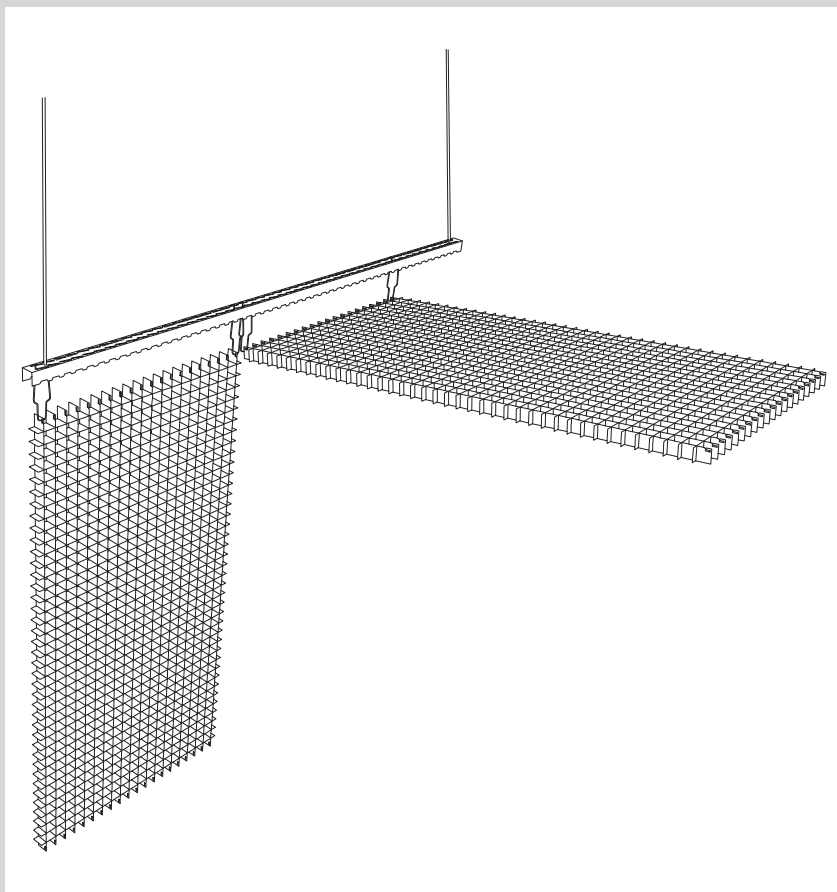
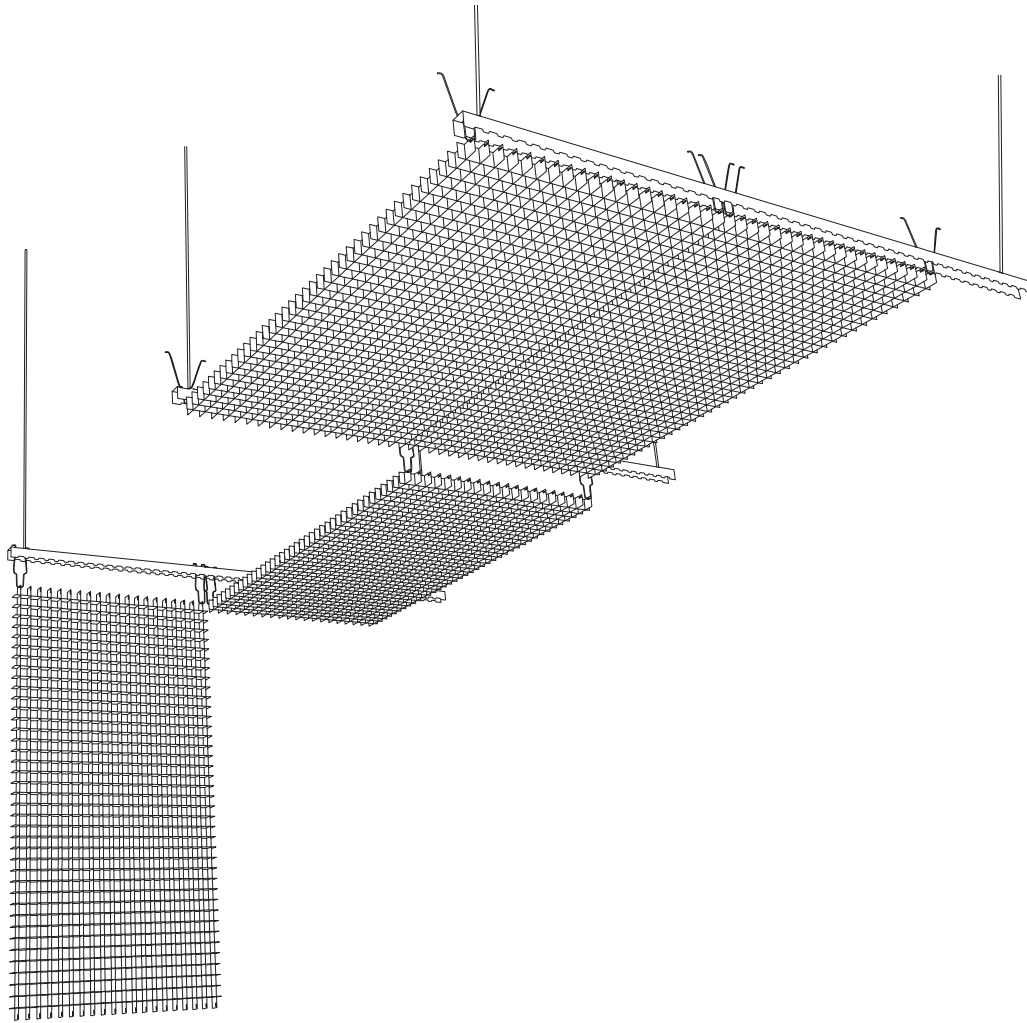
L köşe  
"L" shape perimeter profile



Z köşe  
double "L" shape perimeter profile

# Grigliati

sistem Delta - Delta system





## Grigliati - sistem A / system A

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200X600
G001 tij / rod	pc	0,70
G002 yay / spring	pc	0,70
G003 kanca / hook	pc	0,70
G005/p bağlantı aparatı / connection bracket	pc	4,90
G043 "T" taşıyıcı aparatı / "T" profile	lm	0,70
G044 askı aparatı / suspension bracket	pc	0,70
G045 "T" taşıyıcı profil ekleme / splicer for "T" profile	pc	0,70

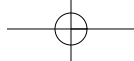
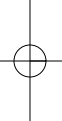
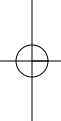
## Grigliati - sistem B / system B

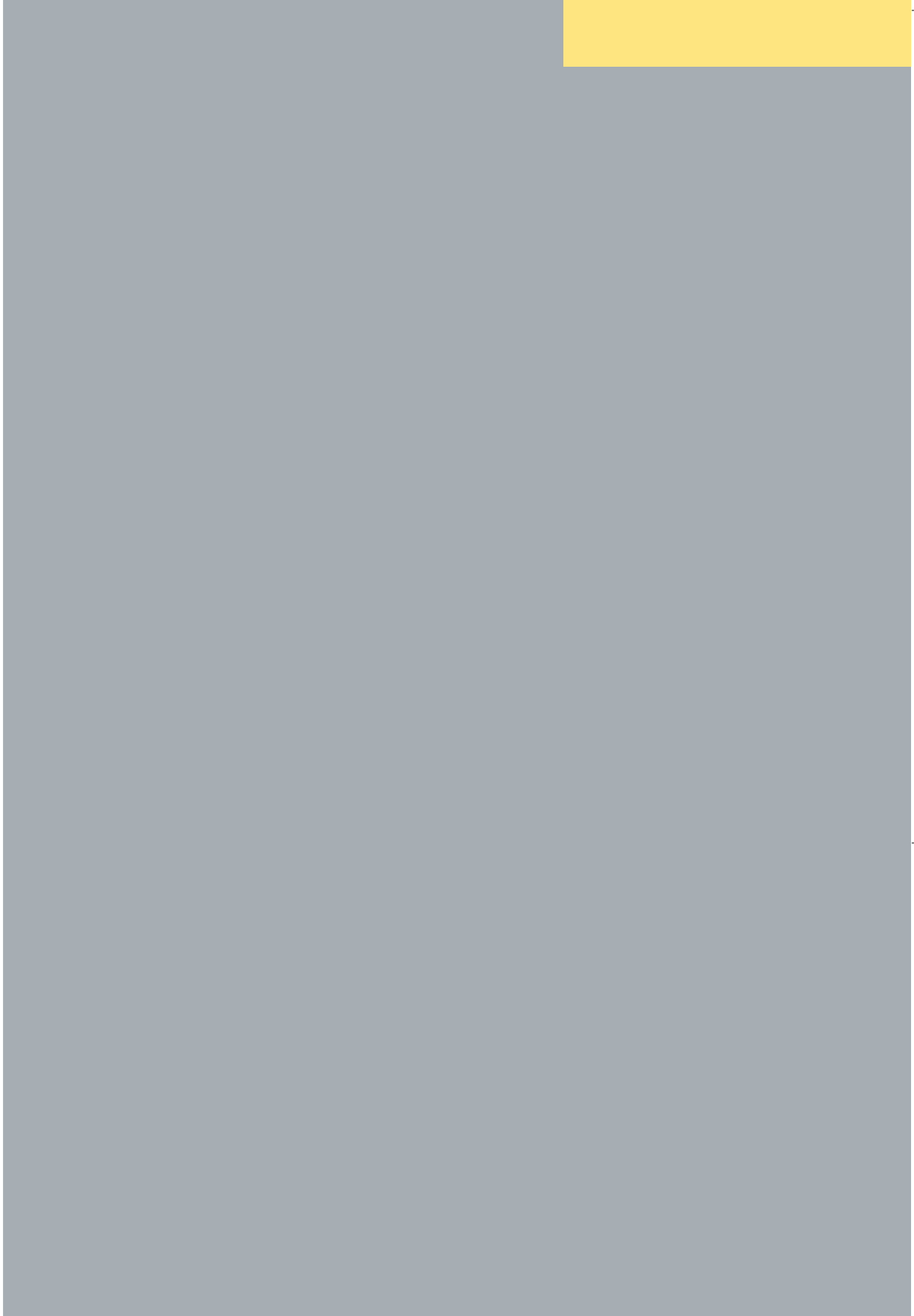
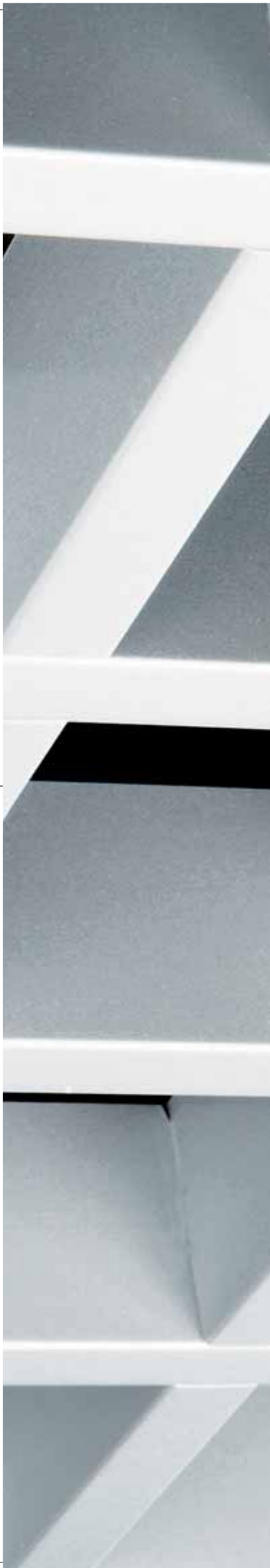
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200X600
G001 tij / rod	pc	0,70
G002 yay / spring	pc	0,70
G003 kanca / hook	pc	0,70
G004 panel taşıyıcı kancası / panel suspension hook	pc	4,95
G005/p ekleme / connection bracket	pc	9,80
G016 askı borusu / tube	lm	0,70

## Grigliati - Delta taşıyıcı sistem / Delta system

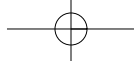
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200X600
D001 taşıyıcı kanal / suspension channel	lm	0,80
D002 taşıyıcı ekleme / coupler	pc	0,28
D003 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80

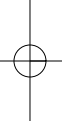
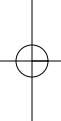
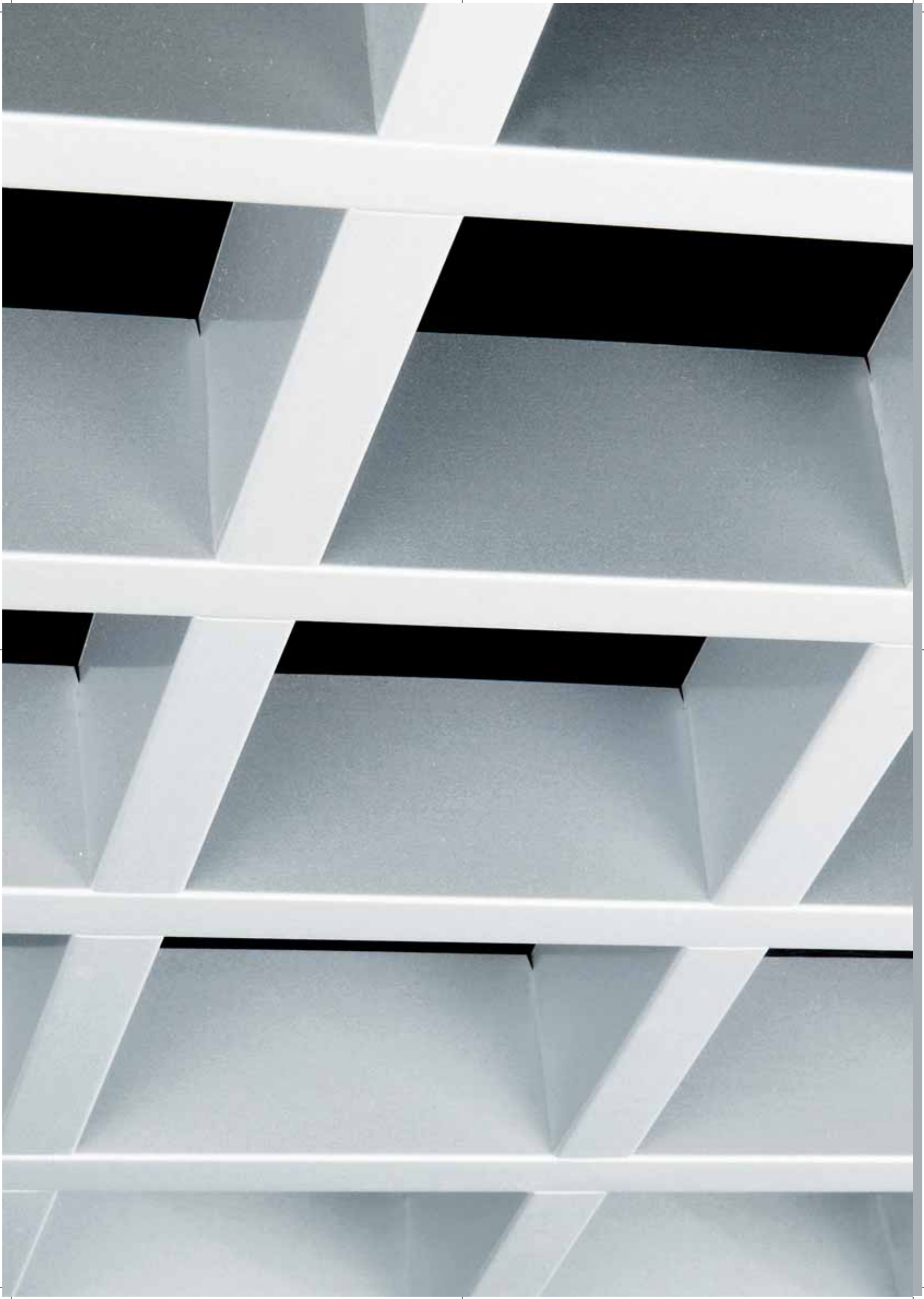






TETRÁL





TETRAL b, klasik ahşap izgara sistemden esinlenilerek üretilen, taban eni ve yüksekliği değişik biçimlerde "U" profillerden oluşan alüminyum open cell petek tavan sistemidir. Tip, hücre ebadı ve yüzey bitişi detayları ile tasarımcılara ve mimarlara farklı tasarım olanakları sunmaktadır. Petek hücreleri oluşturan profillerden oluşturulan kendinden taşıyıcı sistem sayesinde mükemmel ve kesintisiz bir tavan görüntüsü elde edilir.

#### ÖZELLİKLER

TETRAL b 5 biçimde sunulur: Tetrál b4, b5, b10, b12 ve Tetrál b20 profil eni ölçüsüne göre değişen adlardır.

Tetrál b 600x600mm veya 1200x600 mm modüller olarak üretilmiş çift profil U şeklinde alüminyum profillerden oluşur.

Hücre ebatları 30x30 mm den 300x300 mm'e kadar değişebilir.

Profil yükseklikleri de 30 mm'den 80 mm'e kadar uzanır.

Tetrál b petek tavan profilleri düz veya estetik ve akustik amaçlara hizmet edebilmek için perforasyonlu olarak da sunulabilmektedir.

Standart perforasyon:

Delik çapı Ø 1,50mm, 22% delikli alan, 3mm diagonal delik aralıklı

Delik çapı Ø 2.50 mm, 19% delikli alan, 5mm düzenli delik aralıklı

Hazır boyalı veya sonradan boyanan alüminyum renk seçenekleri oldukça geniştir. RAL, NCS, PANTONE ve SIKKENS renk kartelalarından yapılacak tercihe göre üretim mümkündür.

#### TEDARİK ŞEKLİ

Tetrál b, çoğunlukla nakliyeti kolaylaştırmak amacıyla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır

#### MONTAJ

TETRAL b petek tavan sistemi, modülü oluşturan profillerle aynı evsafa

T1800 ana taşıyıcı

T1200/T600 tali taşıyıcı profilleri ile tamamen entegre bir sistemdir.

Ana taşıyıcılar her 1200mm ya da 600mm de bir, tali taşıyıcılar da ana taşıyıcılara 600mm de bir kliklenir.

TETRAL b panelleri, aşağı yönlü demontaj imkanı sağlayan "Delta taşıyıcı sistem" ile de kullanılabilir, bu durumda modül ölçüsü 600x1200mm olmalıdır.

#### ŞARTNAME:

Ürün:	TETRAL b
Tedarik şekli:	Petek haline getirilmiş, hazır.
Malzeme:	0,40/0,80 mm kalınlıkta alüminyum
Profil kesit :	"U", 4/5/10/12/20mm ve h: ..mm
Hücre ebadı:	...x... mm.
Panel ebadı:	600x600mm ve 1200x600 mm
Yüzey bitişi:	...
Taşıyıcı sistem:	Gizli taşıyıcı "trackless" veya "kendinden taşıyıcı" sistem





Centro per l'Arte Contemporanea Luigi Pecci



TETRÁL b is the aluminium open cell ceiling inspired in the classic wooden grid, made up of "U" shaped profiles with a base and height depending on application.

The multiple choice of type, cell size and finish offers designers and architects a host of possibilities in line with the criteria of integrated architecture. The concealed suspension system, with main and cross runners made from the same profiles as the panels, gives a perfect and trackless appearance.

#### FEATURES

TETRÁL b is provided in 5 variations: Tetrál b4, b5, b10, b12 and Tetrál b20, depending on the width of the profile base.

TETRÁL b features 600x600 mm (or 1200x600 mm), made up of "U" shaped profiles, which suitably coupled form a square cell.

Cell sizes from 30x30 mm up to 300x300 mm.

Heights from 30 mm up to 80 mm.

TETRÁL b blades are made by BENDING SYSTEM, which gives:

the accuracy of profiles, more square edges and blades perfectly straight.

TETRÁL b can be supplied either plain or perforated, to achieve aesthetic and acoustic requirements.

Standard perforation patterns are as follows:  
hole  $\varnothing$  1,50 mm, 22% free opening, 3 mm pitch.  
hole  $\varnothing$  2,50 mm, 19% free opening, 5 mm pitch.

A wide range of finishes either from pre-painted or post-painted aluminium is available, according to the RAL, NCS, PANTONE and SIKKENS colours.

#### SUPPLY FORM

TETRÁL b is usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

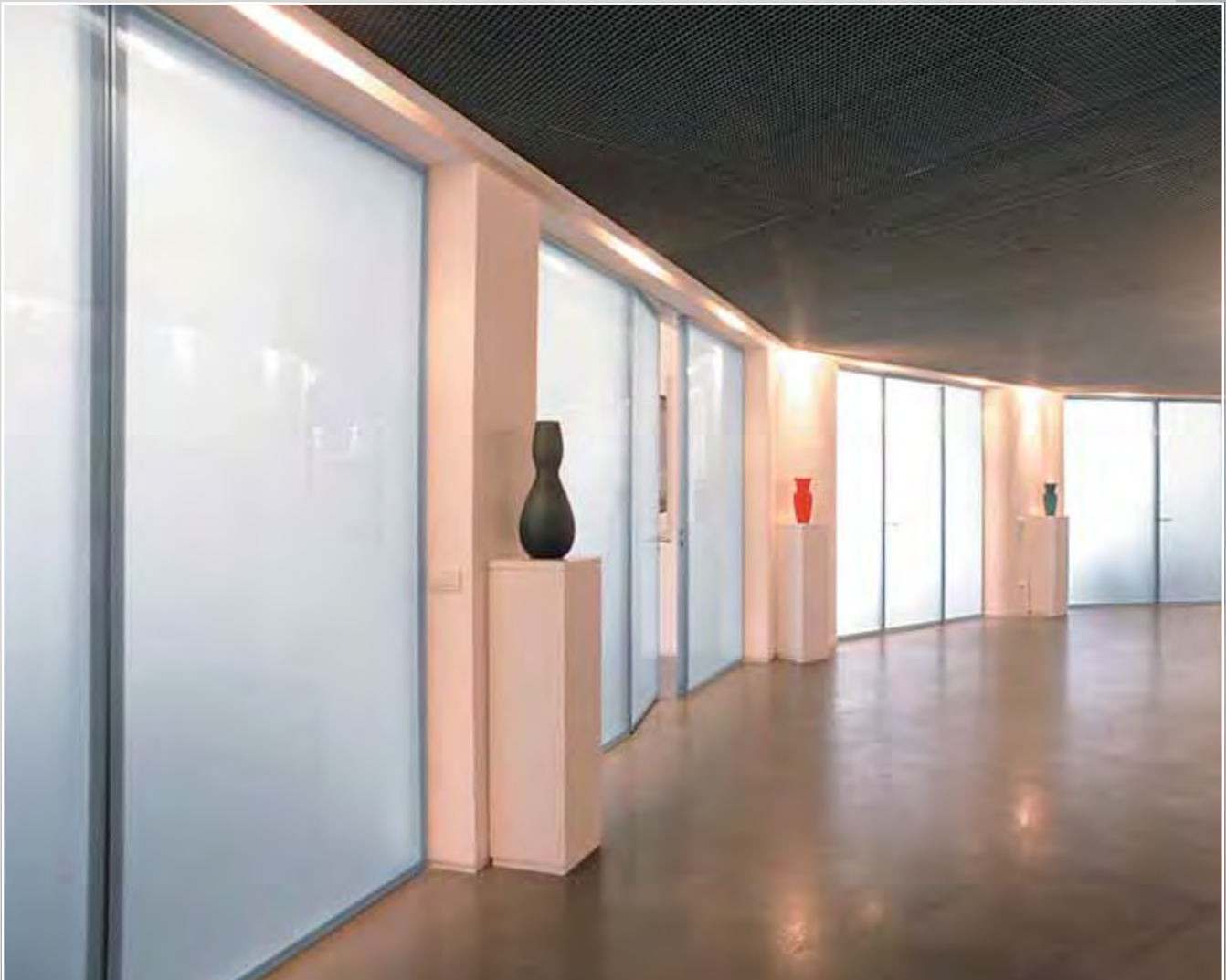
The TETRÁL b ceiling features fully integrated suspension system, with main runners (T1800 mm length) and cross runners (T1200/T600 mm length) made from the same profiles as the panel.

Rows of main runners are installed at 1200 (or 600) mm centres, while the cross runners are clicked in-between the main runners at 600 mm.

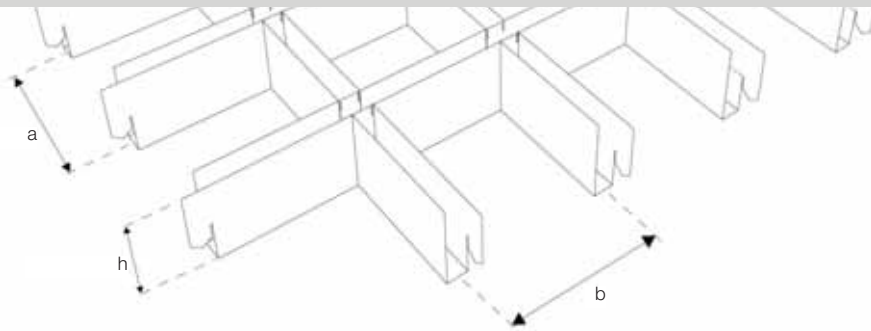
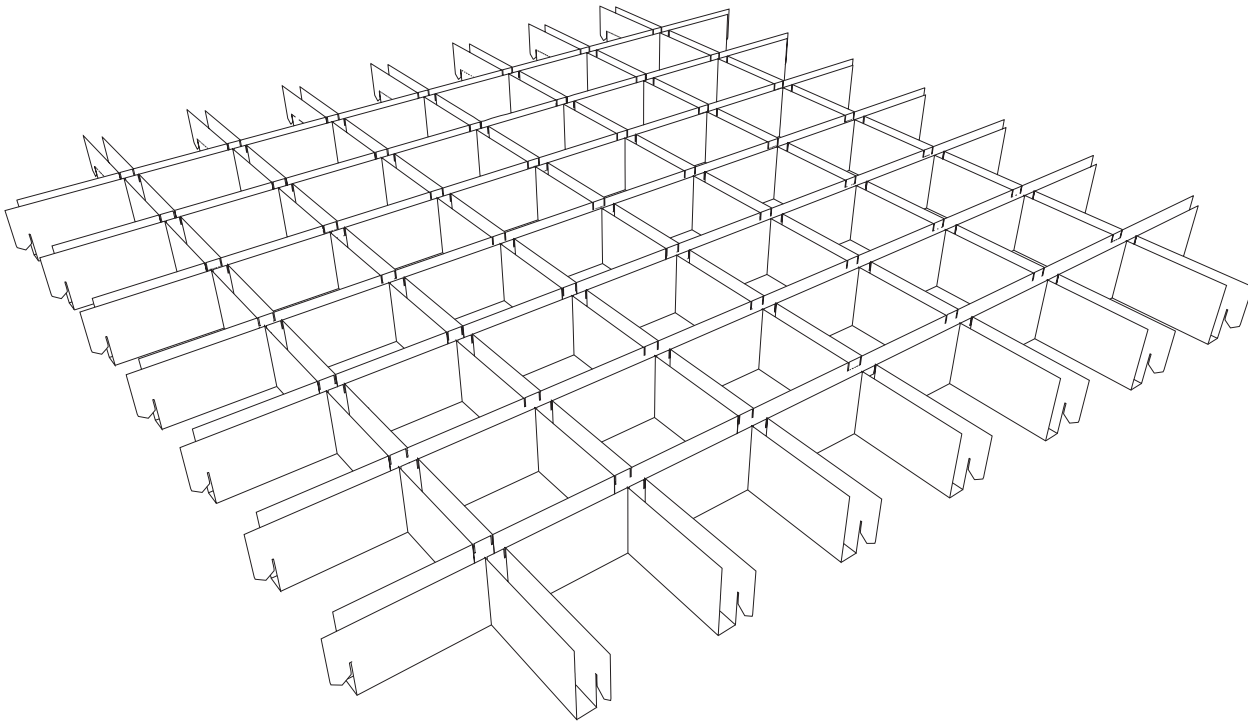
The TETRÁL b panels can be also suspended from the concealed Delta suspension system, demountable from below. In this case the standard module is 1200x600 mm.

#### SPECIFICATION

Product:	TETRÁL b
Supply form:	unassembled / assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"U", base 4/5/10/12/20 mm, h...mm.
Cell size:	...x... mm.
Panel size:	600x600 mm. (1200x600 mm.)
Finish:	...
Suspension:	concealed suspension by main and cross runners
Quantity:	... sq.m.







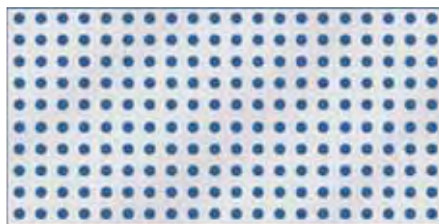
Perforasyon / Perforation patterns

Ø1,5 mm delik çapı, %22 delikli alan  
3 mm diagonal delik sırası



1,5 mm. hole, 22% open area,  
3 mm. diagonal pitch.

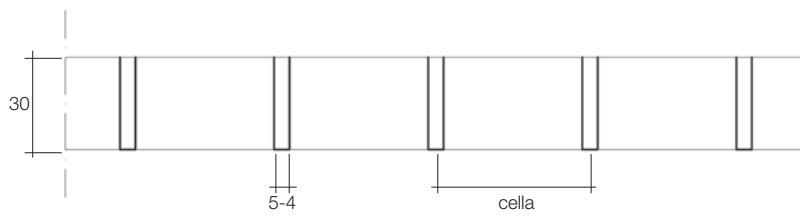
Ø 2,50 mm delik çapı, %19 delikli alan  
5 mm düzenli delik sırası



2,50 mm. hole, 19% open  
area, 5 mm. parallel pitch.

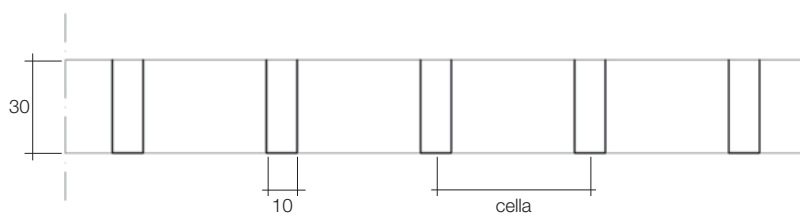


Tetrál b5 (o b4) h30 mm.



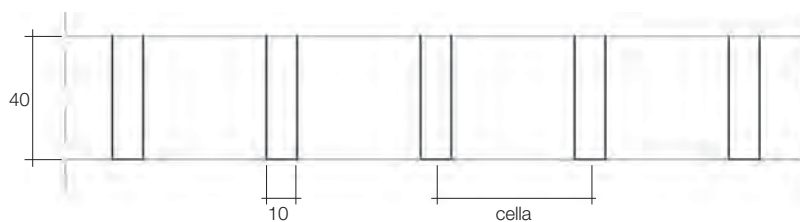
a	b	h
30	30	30
40	40	30
50	50	30
60	60	30
66	66	30
75	75	30
86	86	30
100	100	30

Tetrál b10 - h30 mm.



a	b	h
50	50	30
60	60	30
66	66	30
75	75	30
86	86	30
100	100	30
120	120	30
150	150	30
200	200	30

Tetrál b10 - h40 mm.

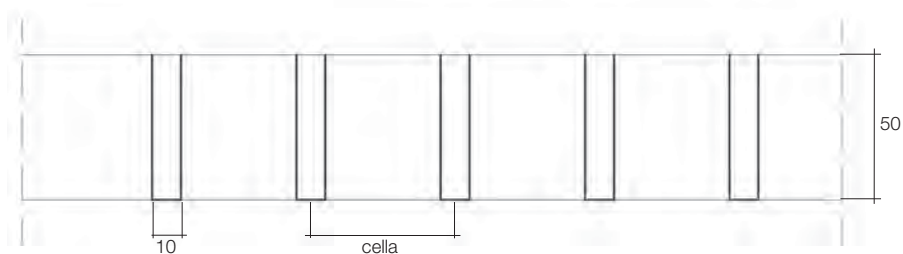


a	b	h
50	50	40
60	60	40
66	66	40
75	75	40
86	86	40
100	100	40
120	120	40
150	150	40
200	200	40

## Tetrál b

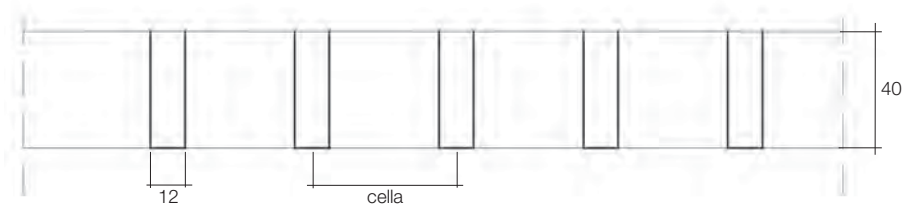
Tetrál b10 - h50 mm.

a	b	h
50	50	50
60	60	50
66	66	50
75	75	50
86	86	50
100	100	50
120	120	50
150	150	50
200	200	50



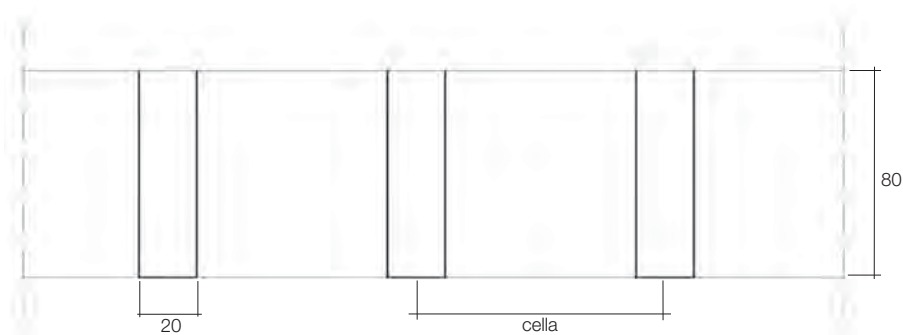
Tetrál b12 - h40 mm.

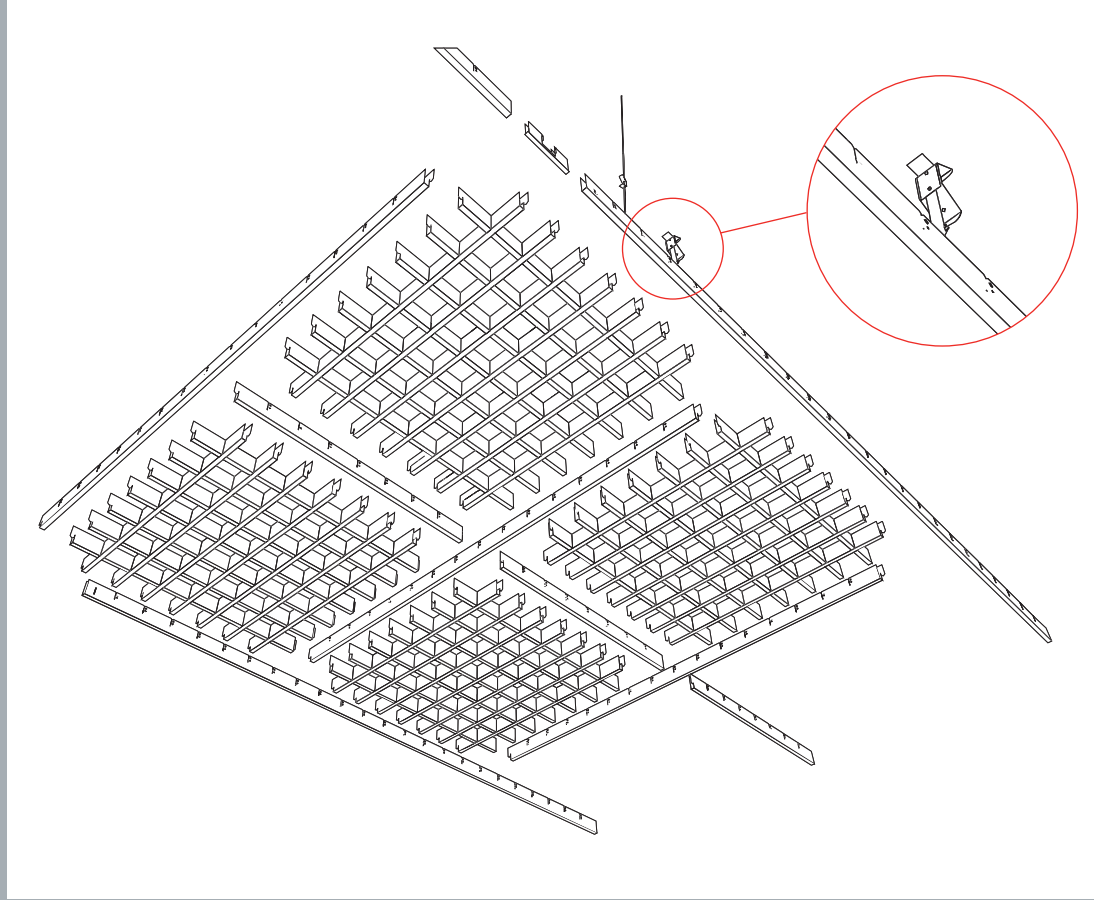
a	b	h
50	50	50
60	60	50
66	66	50
75	75	50
86	86	50
100	100	50
120	120	50
150	150	50
200	200	50



Tetrál b20 - h80

a	b	h
86	86	80
100	100	80
120	120	80
150	150	80
200	200	80
300	300	80



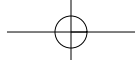
Montaj Aksesuarları  
Accessories for installation

## Tetrál b - sistemi Tetrál / Tetrál system

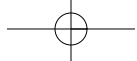
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	hücre 30-66 cell 30-66	hücre 75-300 cell 75-300	panel panel
T001 askı tiji / rod	pc	2,00	1,00	600 x 600
T002 yay / spring	pc	2,00	1,00	600 x 600
T003 kanca / hook	pc	2,00	1,00	600 x 600
T004 için ekleme T1800 / splicer for T1800	pc	0,94	0,47	600 x 600
T1800 ana taşıyıcı / main runner	pc	0,94	0,47	600 x 600
T1200 tali taşıyıcı / cross runner	pc	•	1,38	600 x 600
T600 tali taşıyıcı / cross runner	pc	2,70	1,38	600 x 600

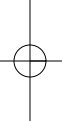
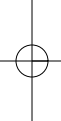
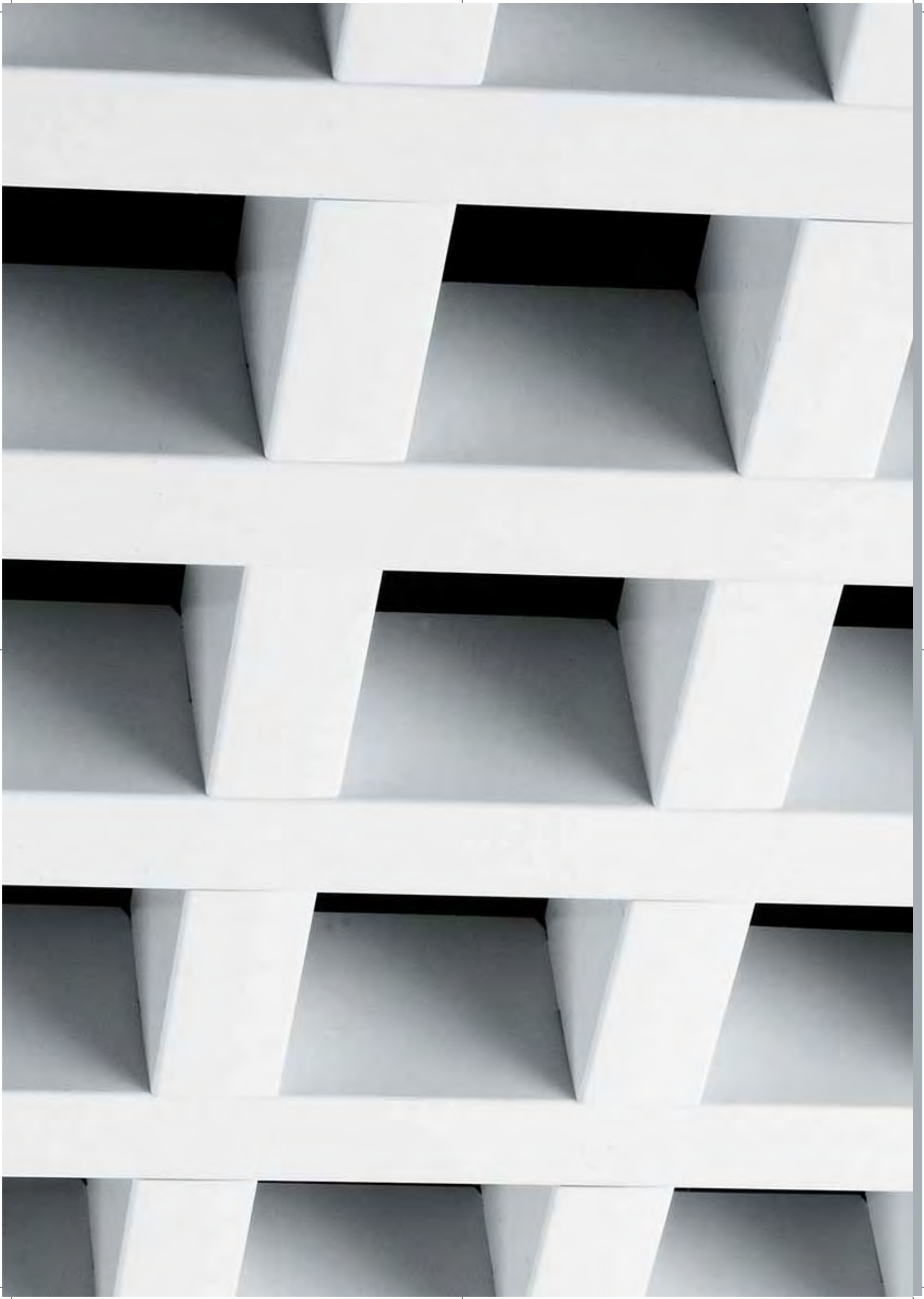






Tetrál b





TETRAL s15 ve s24, klasik ahşap ızgara sistemden esinlenilerek üretilen, taban eni 15mm ve 24mm; yüksekliği ise 35-50mm olan "U" profillerden oluşan alüminyum open-cell petek tavan sistemidir. T15 ve T24 taşıyıcı sistemle birlikte kullanılmak üzere tasarlanan bu sistem, tavanda taşıyıcıyı gizleyen kesintisiz bir görünüm sunar. TETRAL s15 ve s24 kolay montaj ve demontaj imkanı sağlar, bu yönüyle çok tercih edilen bir sistemdir. Türkiye'de yaygın olarak kullanılan petek tavan sistemi bu 15mm taban enindeki U profillerden oluşan gizli taşıyıcılı Tetral S sistemidir.

#### ÖZELLİKLER

TETRAL s15 ve s24 mm petek tavan sistemi, 15-24mm taban enindeki "U" profillerin birbirine geçirmesiyle oluşturulan 600x600 mm modüller halinde panellerden oluşur, bu kare şeklindeki modüllerin etrafında, 4 kenarda da T taşıyıcının yerleşmesi için çerçeve profilleri bulunur.

Hücre ebatları 60x60mm ile 300x300mm arasında değişebilir.

Profil yükseklikleri s15 için 30/40/50mm ve s24 için 35 mm'dir.

TETRAL s15 ve s24 sistemin U profilleri, bu profillere keskinlik ve hatasızlık veren yüksek teknolojili makinalarda bükme sistemi ile üretilirler.

TETRAL s15 ve s24 mm petek tavan profilleri, düz veya estetik ve akustik amaçlara hizmet edebilmek için perforasyonlu olarak da sunulabilmektedirler.

#### Standart Perforasyon:

Delik çapı Ø 1,50mm, 22% delikli alan, 3 mm diagonal delik aralıklı

Delik çapı Ø 2.50 mm, 19% delikli alan, 5 mm düzenli delik aralıklı

Hazır boyalı veya sonradan boyanan alüminyum renk seçenekleri oldukça geniştir. RAL, NCS, PANTONE ve SIKKENS renk kartelalarından yapılacak tercihe göre üretim mümkündür.

#### TEDARİK ŞEKLİ

Tetral s, çoğunlukla nakliyyeyi kolaylaştırmak amacıyla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır

#### MONTAJ

TETRAL s petek tavan sisteminde işe her bir profilin önce kare hücreler oluşturacak biçimde birbirine geçirilerek 600x600mm'lik paneller haline getirilmesiyle başlanır. Diğer yandan T 3600-1200-600mm'lik ana ve tali taşıyıcı sistem oluşturulur. Daha sonra 600x600mm'lik paneller bu T taşıyıcı sisteme üstten oturtulur. S15 sistemde kullanılan T15 taşıyıcı sistem sayesinde U profil base 15mm kalınlıkları ile T taşıyıcının base ölçüsü aynı olduğu için tavana bakıldığında kesintisiz bir görünüm elde edilir, taşıyıcı sistem profillerin arasında gizlenmiş olur.

#### Sistemin bileşenleri

T3600mm ana taşıyıcı – Main tee : 0,83m/m<sup>2</sup>

T1200mm tali taşıyıcı – Cross tee: 1,67m/m<sup>2</sup>

T600mm tali taşıyıcı – Cross tee: 0,83m/m<sup>2</sup>

600X600mm lik petek modüller, T taşıyıcı karkasa kolayca monte edilip gerektiğinde de tekrar demont edilebilirler.

#### ŞARTNAME:

Ürün:	TETRAL S
Tedarik şekli:	Petek haline getirilmiş veya demonte.
Malzeme:	0,40mm kalınlıkta alüminyum
Profil kesit :	"U" base 15 mm-24 mm, ve h(s15): 30/40/50 mm ile h(s24):35mm
Hücre ebadı:	...x... mm.
Panel ebadı:	600x600 mm ve 1200x600 mm
Yüzey bitiş:	...
Taşıyıcı sistem:	T15/24 sistem ile entegre, gizli taşıyıcılı.







TETRÁL s15 & s24 are the aluminium open cell ceilings inspired in the classic wooden grid, made up of "U" shaped profiles with a width of 15 or 24 mm and height of 40/50 or 35 mm.

Specifically designed to fit into standard 15 or 24 mm wide T-grids, they provide a trackless appearance of the ceiling.

TETRÁL s15 & s24 are high quality products for easiest placement and removal of the panels.

#### FEATURES

TETRÁL s15 & s24 mm feature 600x600 mm modular panels, made up of "U" shaped profiles with 15 and 24 mm base, which suitably coupled form a square cell, to be inserted in a frame.

Cell sizes from 60x60 mm up to 300x300 mm.  
Heights 30/40/50 mm (s15) and 35 mm (s24).

TETRÁL s15 & s24 blades are made by BENDING SYSTEM, which gives:

the accuracy of profiles, more square edges and blades perfectly straight.

TETRÁL s15 & s24 mm can be supplied either plain or perforated, to achieve aesthetic and acoustic requirements.

Standard perforation patterns are as follows:

hole  $\varnothing$  1,50 mm, 22% free opening, 3 mm pitch

hole  $\varnothing$  2,50 mm, 19% free opening, 5 mm pitch.

A wide range of finishes either from pre-painted or post-painted aluminium is available, according to the RAL, NCS, PANTONE and SIKKENS colours.

#### SUPPLY FORM

TETRÁL s15 & s24 mm are usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

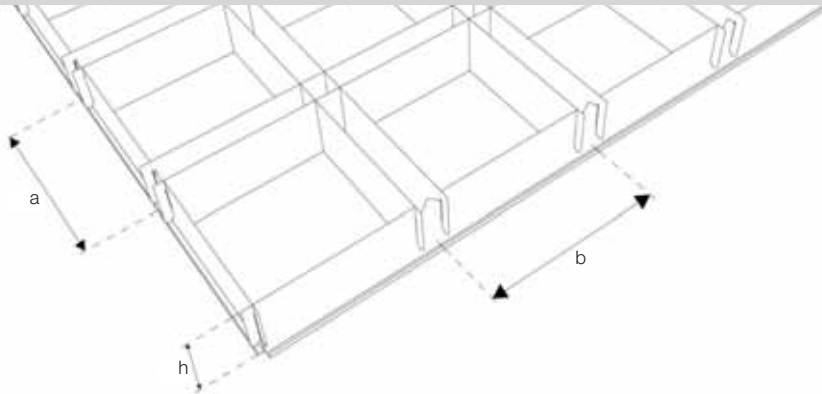
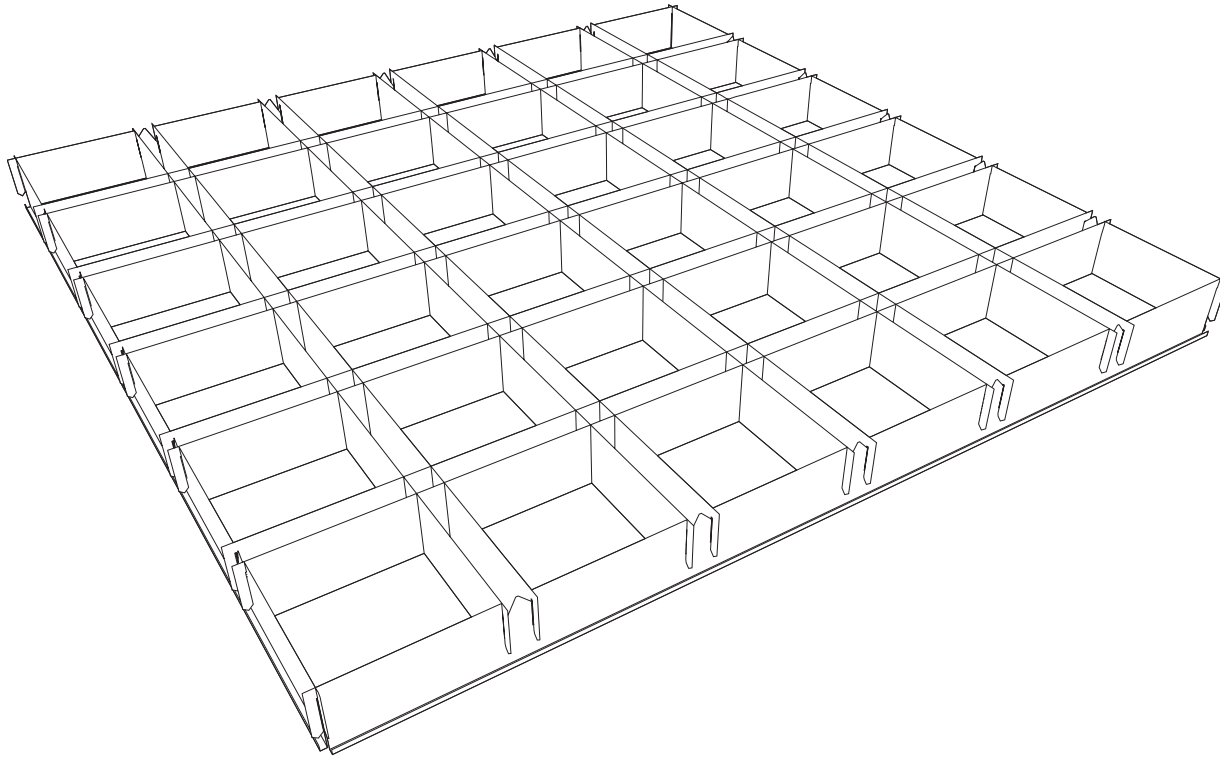
#### INSTALLATION

The TETRÁL s15 & s24 mm are installed in the suspension grids formed by T-profiles, 15 or 24 mm wide, 3600, 1200 and 600 mm long. When the panel is laid into the suspension grid, the structure results fully integrated in the cell ceiling.

The modular panels 600x600 mm are easily individually laid into and taken out of the standard T grid, by lifting them upwards for simple access to the plenum.

#### SPECIFICATION

Product:	TETRAL s15 or s24
Supply form:	unassembled / assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"U", base 15 or 24 mm, h30/40/50 (s15) or h35 mm. (s24)
Cell size:	...x... mm.
Panel size:	600x600 mm.
Finish:	...
Suspension:	integrated suspension by T15 or T24 grid
Quantity:	... sq.m.



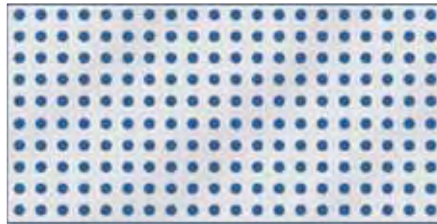
Microforature / Perforation patterns

Ø1,5 mm delik çapı, %22 delikli alan  
3 mm diagonal delik sırası



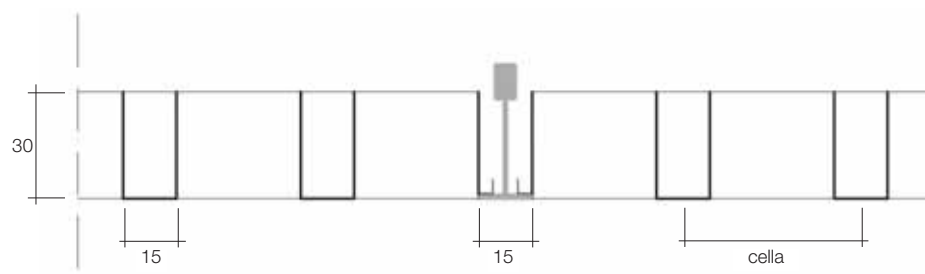
1,5 mm. hole, 22% open area,  
3 mm. diagonal pitch.

Ø2,50 mm delik çapı, %19 delikli alan  
5 mm düzenli delik sırası



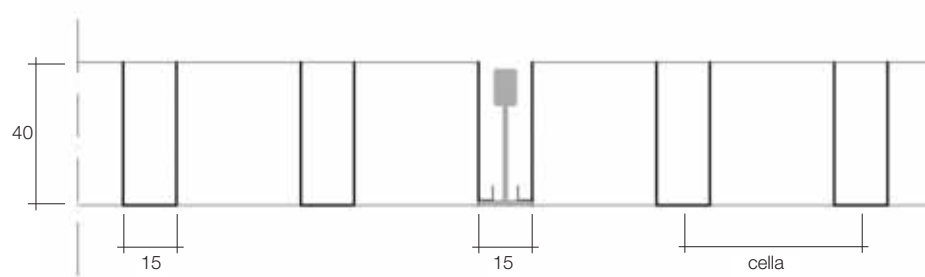
2,50 mm. hole, 19% open  
area, 5 mm. parallel pitch.

Tetrál s15 h30 mm.



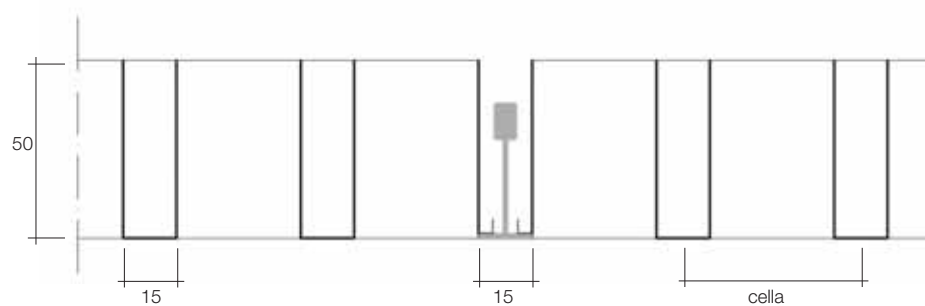
a	b	h
50	50	30
60	60	30
66	66	30
75	75	30
86	86	30
100	100	30

Tetrál s15 h40 mm. - h40/55 mm.



a	b	h
50	50	40
60	60	40
66	66	40
75	75	40
86	86	40
100	100	40
120	120	40
150	150	40
200	200	40

Tetrál s15 h50 mm.

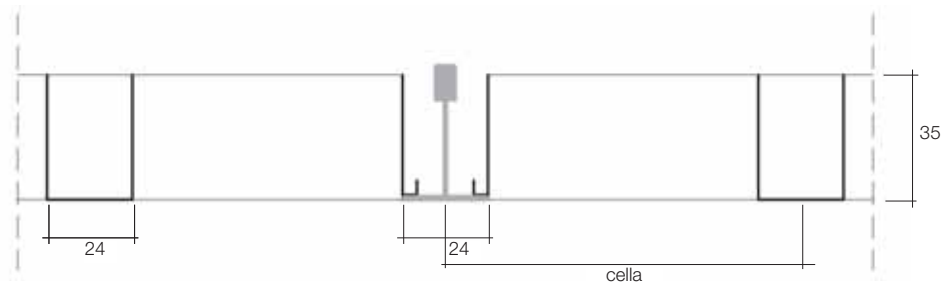


a	b	h
50	50	50
60	60	50
66	66	50
75	75	50
86	86	50
100	100	50
120	120	50
150	150	50
200	200	50

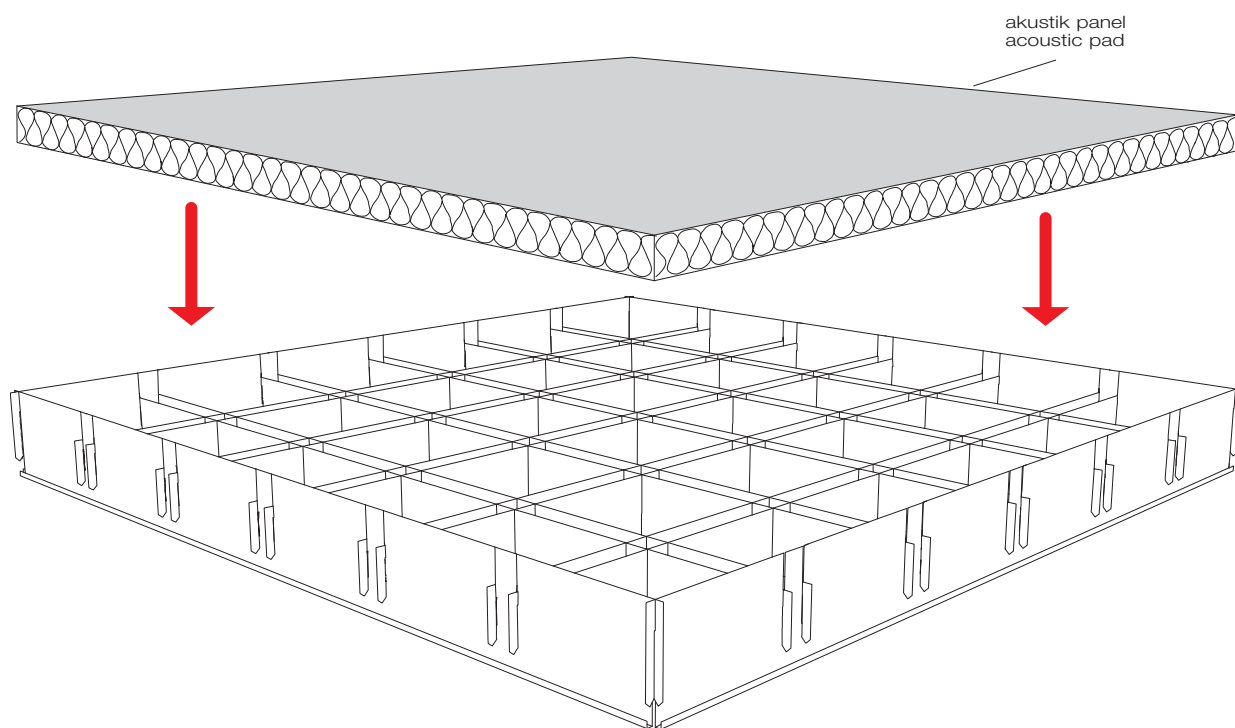
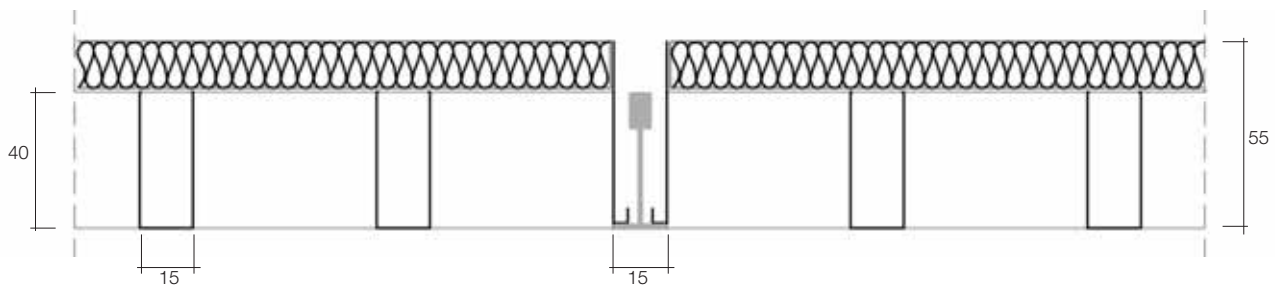
## Tetrál s

Tetrál s24 h35 mm.

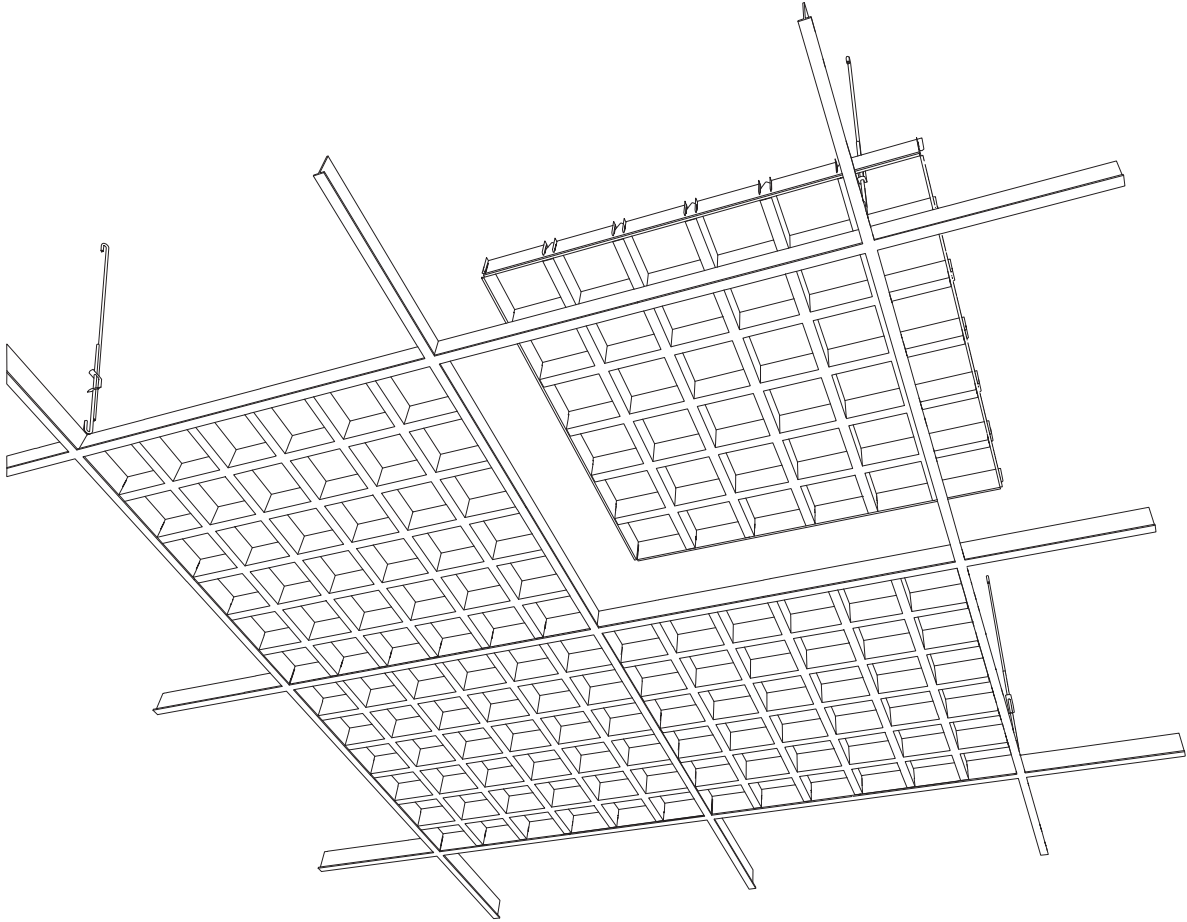
a	b	h
100	100	35
120	120	35
150	150	35
200	200	35
300	300	35



Tetrál s15 h40/55 mm.

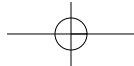
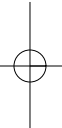
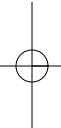




Montaj aksesuarları  
Accessories for installation

Tetrál s - T15/24'e oturmali sistem / system on T15 or T24

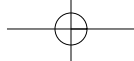
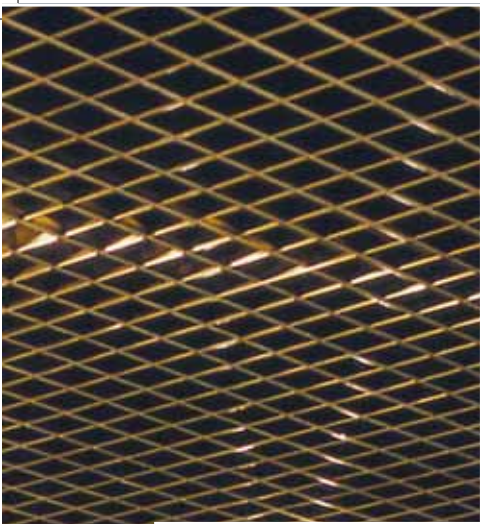
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 600x600
T001 askı tiji / rod	pc	0,70
T002 yay / hook	pc	0,70
T003 kanca / spring	pc	0,70
T3600 ana taşıyıcı / main runner	pc	0,23
T1200 tali taşıyıcı / cross runner	pc	1,38
T600 tali taşıyıcı / cross runner	pc	1,38



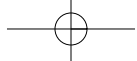
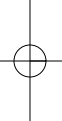
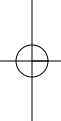
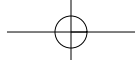




Tetrál s









TETRAL Line, Tetral b kendinden taşıyıcı petek tavan sisteminin lineer halidir, tamamen aşağı yönlü demonte edilebilir bir petek tavan sistemidir.

İnce ve dekoratif, 5 ve 10mm eninde "U" biçimli lineer profiller, bu ürün birbirine paralel profillerin üzerlerindeki bir destek profiliyle bir arada tutulmasıyla oluşturulur.

Tetral line, profil taban eni ölçüsüne göre iki şekilde sunulur: TETRAL Line b5 ve TETRAL Line b10. Bu seçenekler, her tasarıma uygun bir çözüm sunmaktadır.

TETRAL Line, 5-10mm taban eninde ve 30/40mm yüksekliğinde "U" biçimli profillerle oluşturulmuş 1200x600mm'lik modüller halinde, profil aralığı (pitch) 15 mm olacak şekilde üretilir.

1200x600mm'lik modüller, Delta taşıyıcı sistem ile asılır. İsteğe bağlı olarak 1200mm'den 2400mm'ye kadar uzunlukta (b5 için) modüller ve 1800 mm'e kadar uzunlukta (b10 için) özel modüller de üretilebilmektedir.

TETRAL Line petek tavan profilleri, düz veya estetik ve akustik amaçlara hizmet edebilmek için perforasyonlu olarak da sunulabilmektedirler.

Standart Perforasyon:

Delik çapı Ø 1,50 mm, 22% delikli alan, 3 mm diagonal delik aralıklı

Delik çapı Ø 2.50 mm, 19% delikli alan, 5 mm düzenli delik aralıklı

Ön boyalı (pre-painted) veya sonradan boyanan (post-painted) alüminyum hammadde kullanılarak üretilebilirler. RAL, NCS, PANTONE ve SIKKENS renk kartelalarından seçilecek renklerle tavanlar çeşitlendirilebilmektedir.

#### TEDARİK ŞEKLİ

Tetral Line çoğunlukla nakliyeti kolaylaştırmak amacıyla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır.

#### MONTAJ

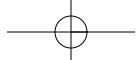
Delta Taşıyıcı Sistem ile Tetral Line petek tavan modüllerinin montajı kolay ve hızlıdır. Bu gizli taşıyıcı sistem, tavanda kesintisiz görünüm sunar. Tüm modüller birbirinden bağımsız olarak aşağı yönlü demonte edilebilir, bu da asma tavan boşluğunda gizlenen servis tesisatlarına kolay ve hızlı erişim sağlar. Tavanı rahatlıkla demonte edebilmek için gerekli olan asma tavan boşluğu min 8 cm'dir.

#### ASKILI DEMONTAJ

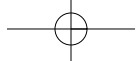
Her bir modül tek kenarından aşağıya sarkıtılır ancak tamamen demonte edilmez, klipsler vasıtasıyla aşağı doğru sallandırılarak durur. Modüller 60 cm'lik kısa kenardan demonte edilir ve boyuna doğru asılı bırakılır. İstek üzerine uzun kenardan demonte edilecek şekilde de üretim yapılabilir.

#### ŞARTNAME:

Ürün:	Tetral Line b5 - b10
Tedarik şekli:	Hazır petek haline getirilmiş veya demonte
Malzeme:	0,40 mm kalınlıkta alüminyum
Profil kesit :	"U" base 5 (h30) veya 10 (h40) mm
Hücre aralığı:	.. mm
Panel ebadı:	1200x600mm
Yüzey bitiş:	..
Taşıyıcı sistem:	gizli taşıyıcı Delta taşıyıcı sistem



Tetrál Line



TETRÁL Line is the linear solution of Tetrál b aluminium ceiling system, made up of modular panels which are fully downward demountable.

With thin and very decorative "U"-shaped lines, 5 or 10 mm wide, this product features parallel profiles hold by upper support bridges which placed over the panel will disappear when looking across the ceiling.

Provided in two variations, TETRÁL Line b5 and TETRÁL Line b10, it is the perfect solution for every project requiring exclusive design.

#### FEATURES

TETRÁL Line features 1200x600 mm modular panels, made of "U" blades with a base of 5 or 10 mm and height of 30/40 mm, which can be spaced at any interval (pitch) from 15 mm.

The modular panels, 1200x600 mm, are suspended from the concealed Delta suspension system. Upon request, special modules are available: width up to 1200 mm length up to 2400 mm (b5) and 1800 mm (b10).

TETRÁL Line blades are made by BENDING SYSTEM, which gives: the accuracy of profiles, more square edges and blades perfectly straight.

TETRÁL Line can be supplied either plain or perforated, to achieve aesthetic and acoustic requirements. Standard perforation patterns are as follows:

hole  $\varnothing$  1,50 mm, 22% free opening, 3 mm pitch  
hole  $\varnothing$  2,50 mm, 19% free opening, 5 mm pitch.

A wide range of finishes either from pre-painted or post-painted aluminium is available, according to the RAL, NCS, PANTONE and SIKKENS colours.

#### HINGE-DOWN PERFECT AND EASY

Each panel is fully downward demountable and can remain hinged-down in the springs without being totally removed.

The panels swing down from the short side (600 mm) and remain suspended at full length. Upon request, hinge-down from the long side (1200 mm) is possible too.

#### SUPPLY FORM

TETRÁL Line is usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

The concealed Delta suspension system allows for easy and fast placement or removal of TETRÁL Line.

The suspension system gives a trackless appearance and allows for demounting of the panels from below.

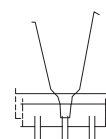
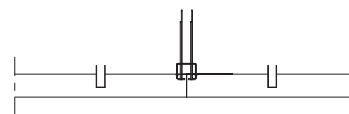
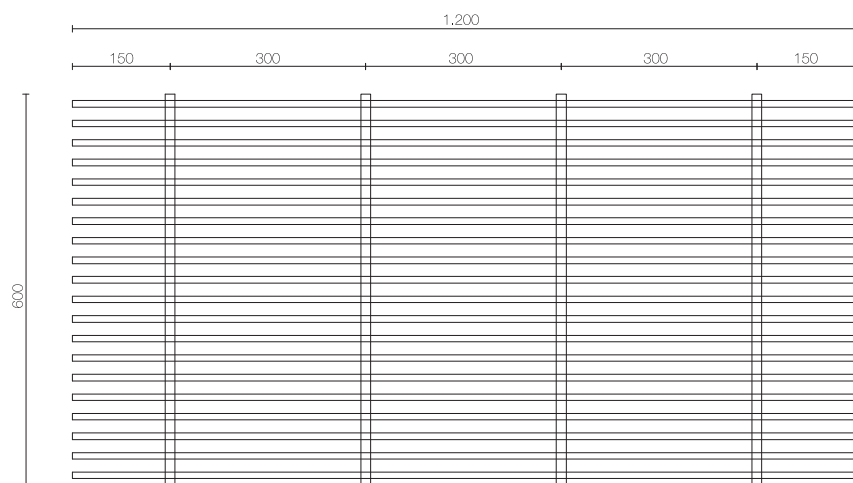
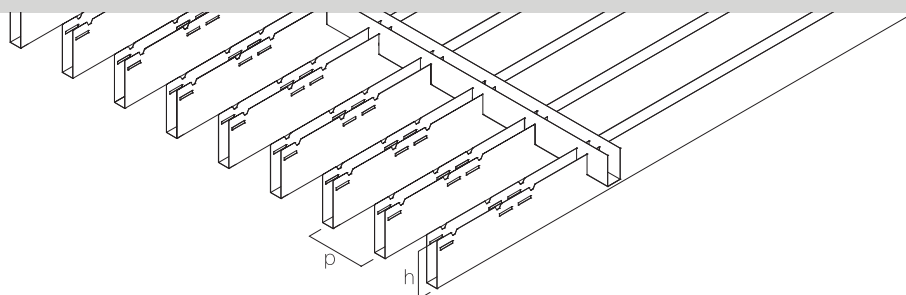
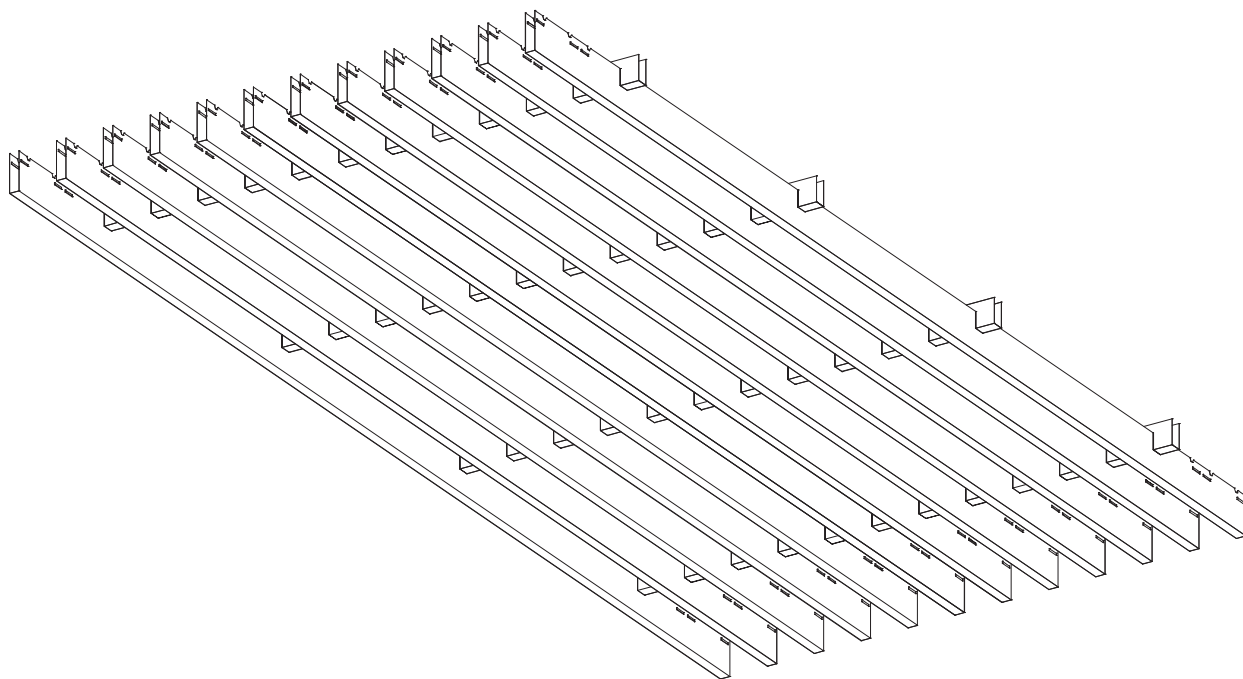
The minimum free space required for comfortable demounting is 80 mm only.

#### SPECIFICATION

Product:	TETRÁL Line b5 or b10
Supply form:	unassembled / assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"U", base 5 (h30) or 10 (h40) mm.
Pitch:	at ... mm. c/c
Panel size:	1200x600 mm.
Finish:	...
Suspension:	Delta system
Quantity:	... sq.m.

# Tetrál Line

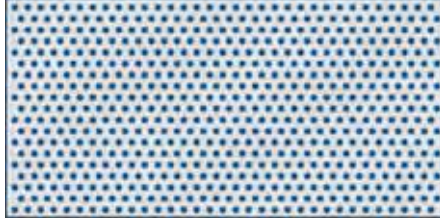
Tetrál Line





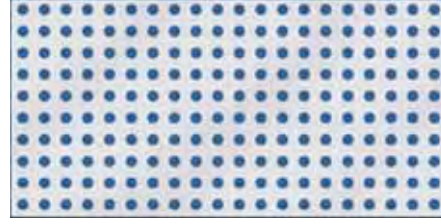
## Tetrál Line

Ø1,5 mm delik çapı, %22 delikli alan  
3 mm diagonal delik sırası



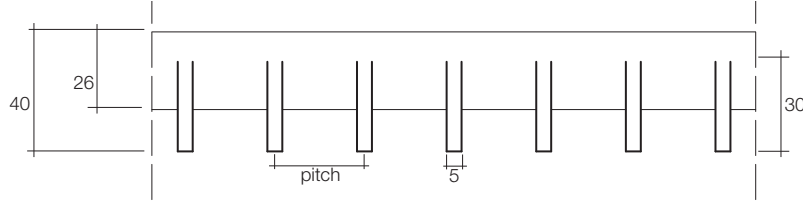
1,5 mm. hole, 22% open area,  
3 mm. diagonal pitch.

Ø2,50 mm delik çapı, %19 delikli alan  
5 mm düzenli delik sırası



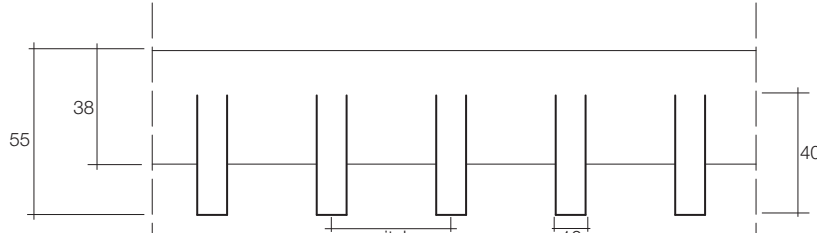
2,50 mm. hole, 19% open area,  
5 mm. parallel pitch.

## Tetrál Line - b5

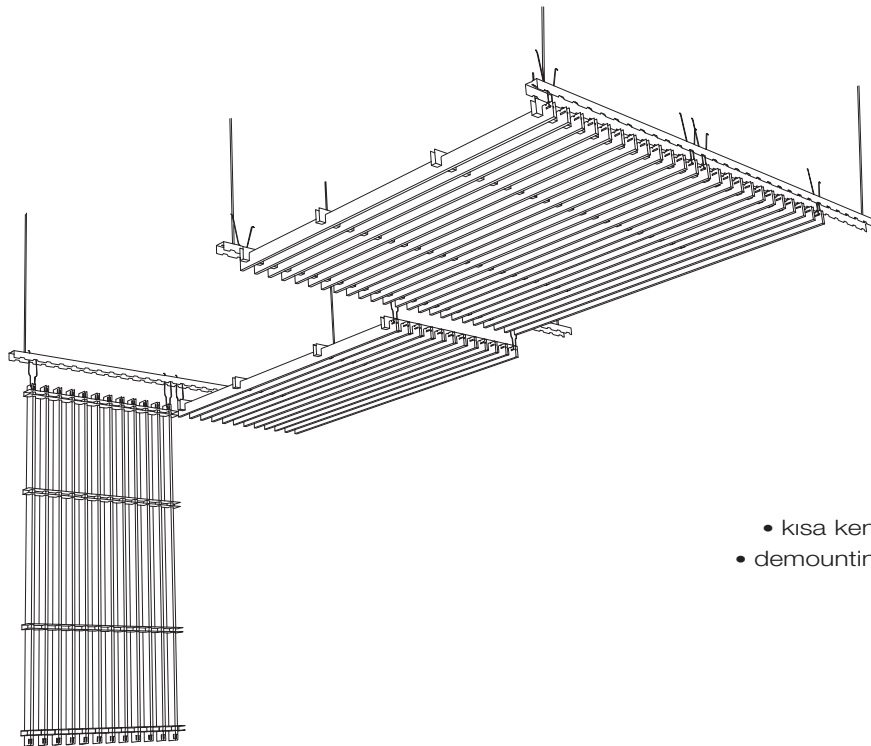


p	h
15	30
25	30
30	30
40	30
50	30

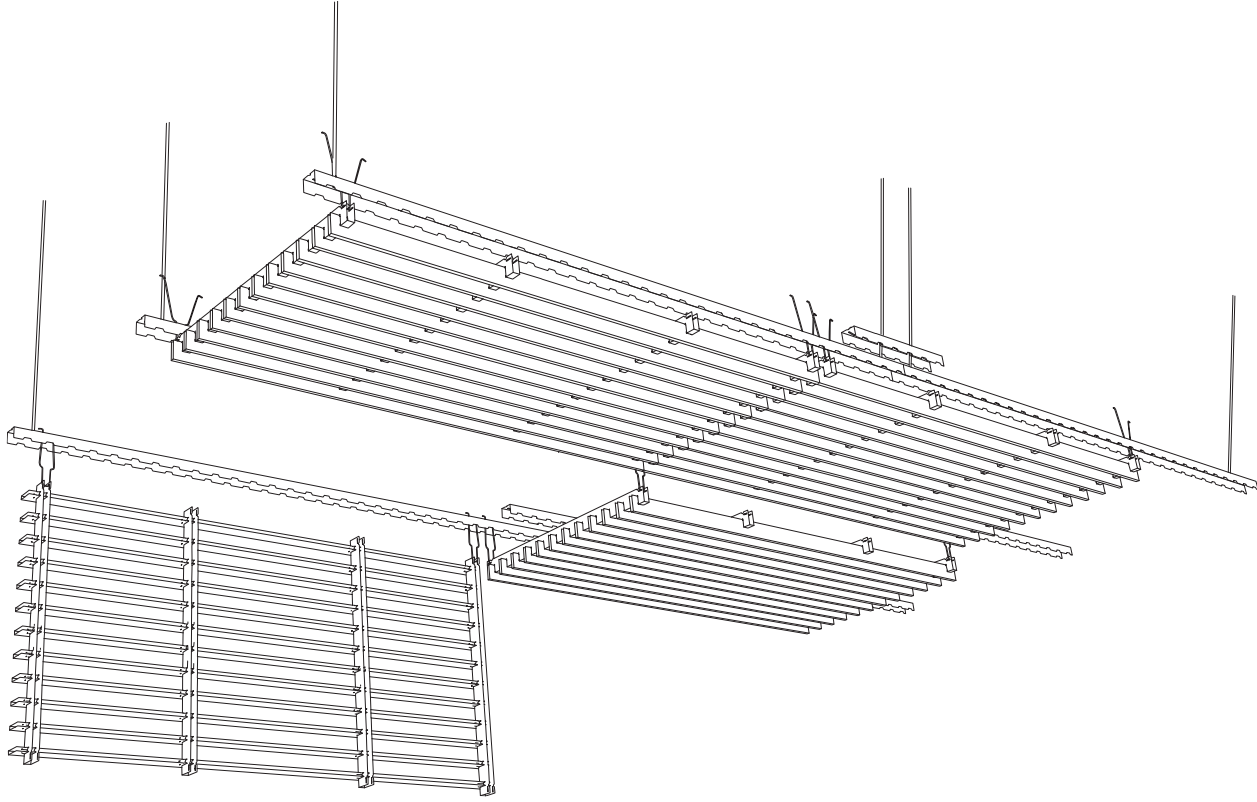
## Tetrál Line - b10



p	h
30	40
40	40
50	40
60	40
75	40

Montaj  
Installation

- kısa kenardan demonte ediliş
- demounting from the short side



- uzun kenardan demonte ediliş
- demounting from the long side

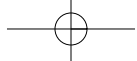
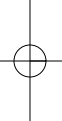
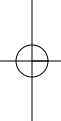
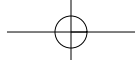
Montaj aksesuarları  
Accessories for installation

Tetrál Line - Delta Sistem / Delta system  
m<sup>2</sup> sarfiyat tablosu  
components per sq.m.

	birim unit	panel / panel 1200 x 600
D001 ana taşıyıcı kanal / suspension channel	lm	0,80
D002 ana taşıyıcı ekleme / coupler	pc	0,28
D003 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80
D010 panel destek profili / panel support bridge	pc	5,56









Tetral inverse, eni 15mm, yüksekliđi 40 mm olan 40x15x40mm ters U (Π) řeklinde profillerden oluřan ve 600x1200 mm modüller halinde monte edilen bir petek tavan sistemidir.

Hücre ölçüleri ise 90x90mm den 150x150 mm'e kadar olabilmektedir. Profil yüksekliđi yine 40 mm'dir. 600x1200 mm modüllerin tavan montajı, gizli taşıyıcı Delta taşıyıcı sistem ile yapılır.

Π profiller deliklidir. Düzenli perforasyon yapılan bu profiller sayesinde tavanda farklı ışık oyunları yapılabilmektedir.

Standart Perforasyon:

Delik çapı Ø 1,50 mm, 22% delikli alan, 3 mm diagonal delik aralıklı

Delik çapı Ø 2.50 mm, 19% delikli alan, 5 mm düzenli delik aralıklı

Π profillerin iç kısmı ile dış kısmı farklı renklerde üretilerek, farklı tasarım amaçlarına uygun petek tavan tasarımları yapılabilmektedir. Bu ürün için standart renkler:

İç mavi RAL 5012, dış gümüş gri RAL 9006

İç alüminyum metalik, dış siyah RAL 9005

#### TEDARİK ŐEKLİ

Tetral Inverse, çođunlukla nakliyyeyi kolaylařtırmak amacıyla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır

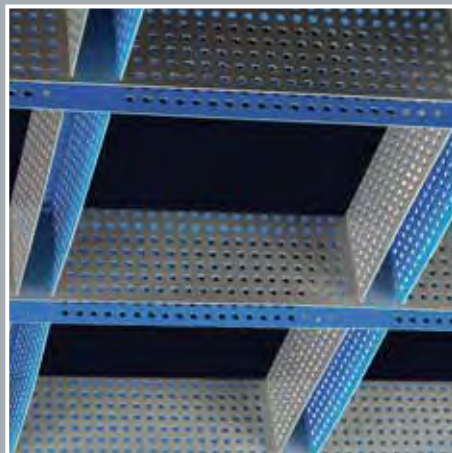
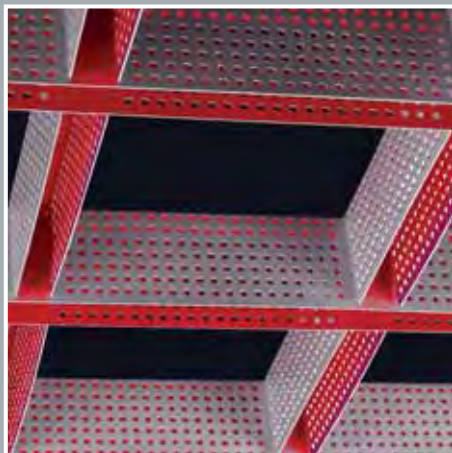
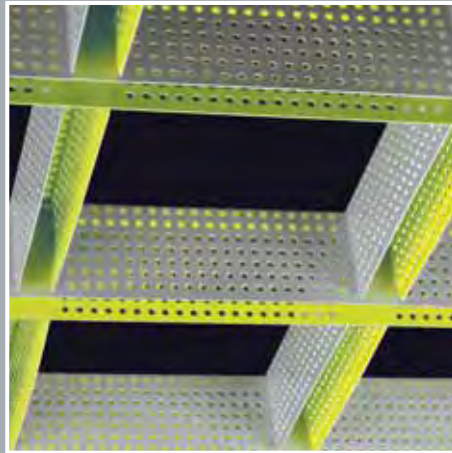
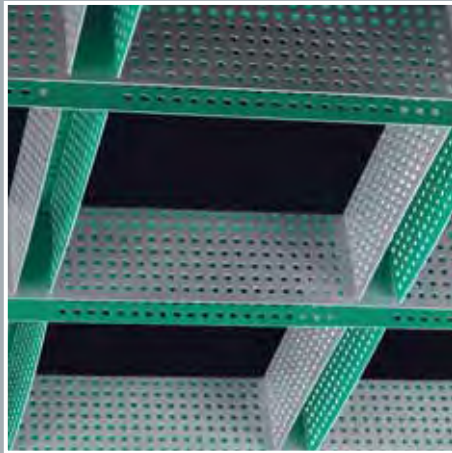
#### MONTAJ

Delta Taşıyıcı Sistem ile Tetral Inverse petek tavan modüllerinin montajı kolay ve hızlıdır. Bu gizli taşıyıcı sistem, tavanda kesintisiz görünüm sunar. Tüm modüller birbirinden bağımsız olarak aşağı yönlü demonte edilebilir, bu da asma tavan boşluđunda gizlenen servis tesisatlarına kolay ve hızlı erişim sağlar.

#### ŐARTNAME:

Ürün:	TETRAL INVERSE
Tedarik řekli:	Petek haline getirilmiş veya demonte.
Malzeme:	0,40mm kalınlıkta alüminyum
Profil kesit :	"Π" base 15mm ve h:40mm
Hücre ebadı:	...x... mm.
Panel ebadı:	1200x600 mm
Yüzey bitiş:	İç mavi RAL 5012, dış gümüş gri RAL 9006 İç alüminyum metalik, dış siyah RAL 9005
Taşıyıcı sistem:	Delta taşıyıcı sistem, gizli taşıyıcı.

# Tetrál Inverse



INVERSE is the inverse solution of Tetral 15 ceiling system, made up modular panels which are fully downward demountable.

Thanks to its "Π" shaped inverse profiles, INVERSE provides the best solution between functional and decorative purposes.

Ideal for high style projects or for areas requiring periodic access to the plenum above open cell ceiling.

#### FEATURES

INVERSE features 1200x600 mm modular panels, made up of "Π" shaped blades 15 mm base and 40 mm height, which suitably coupled form a square cell.

Cell sizes are available from 86x86 mm up to 150x150 mm. Height 40 mm.

The modular panels 1200x600 mm are suspended from the concealed Delta suspension system

The TETRÁL INVERSE blades are made by BENDING SYSTEM, which gives: the accuracy of profiles, more square edges and blades perfectly straight.

INVERSE is supplied perforated.

Standard perforation patterns are as follows:  
hole 1,50 mm, 22% free opening, 3 mm pitch  
hole 2,50 mm, 19% free opening, 5 mm pitch.

The inner and outer of blades can be of same colour, or in different colours for every decorative purpose. Standard finishes:

inner blue RAL 5012 and outer silver RAL 9006  
inner natural aluminium and outer black RAL 9005.

#### SUPPLY FORM

INVERSE is usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

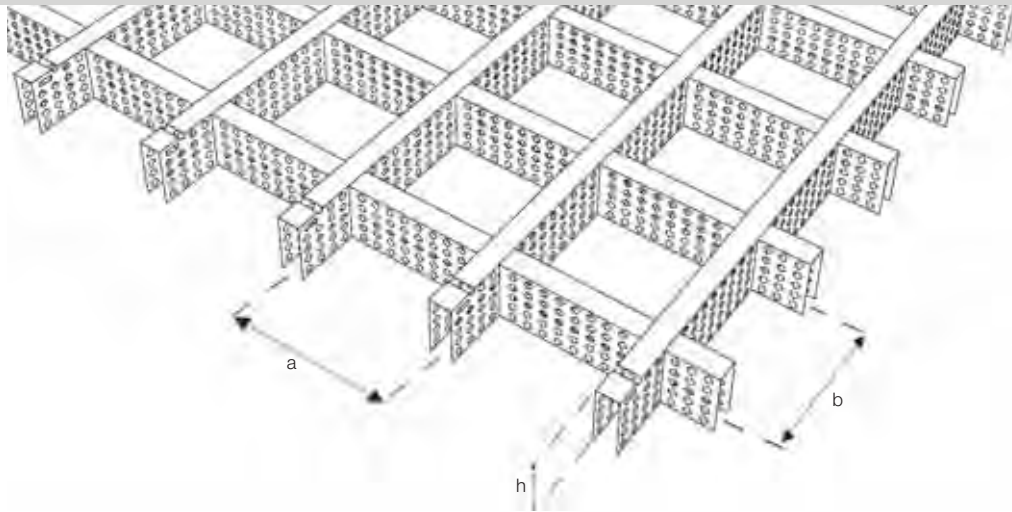
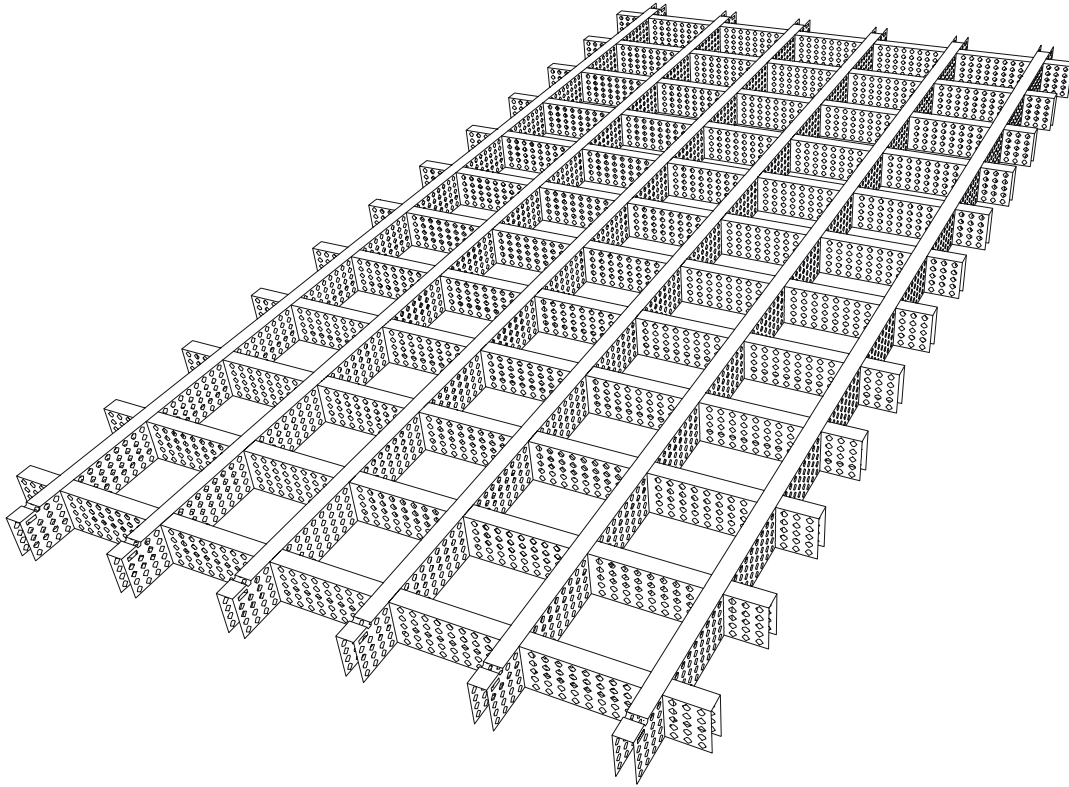
#### INSTALLATION

Using the concealed Delta suspension system, to install INVERSE is very easy and fast.

The concealed suspension gives a trackless appearance and each panel, fully downward demountable, can be hinged down without being totally removed.

#### SPECIFICATION

Product:	TETRÁL INVERSE
Supply form:	unassembled / assembled panels
Material:	0,46 mm. th. aluminium
Section blade:	Π, base 15 mm, h40 mm.
Cell size:	...x... mm.
Panel size:	1200x600 mm.
Finish:	inner blue RAL 5012 outer silver RAL 9006 inner natural aluminium outer black RAL 9005
Suspension:	concealed Delta system
Quantity:	... sq.m.



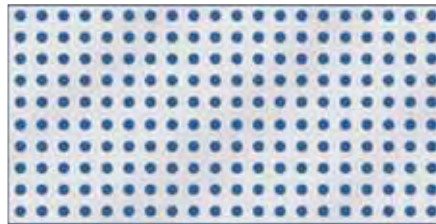
Perforasyon / Perforation patterns

Ø1,5 mm delik çapı, %22 delikli alan  
3mm diagonal delik sırası



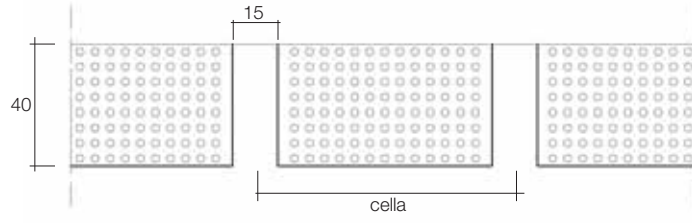
1,5 mm. hole, 22% open area,  
3 mm. diagonal pitch.

Ø2,50 mm delik çapı, %19 delikli alan  
5mm düzenli delik sırası



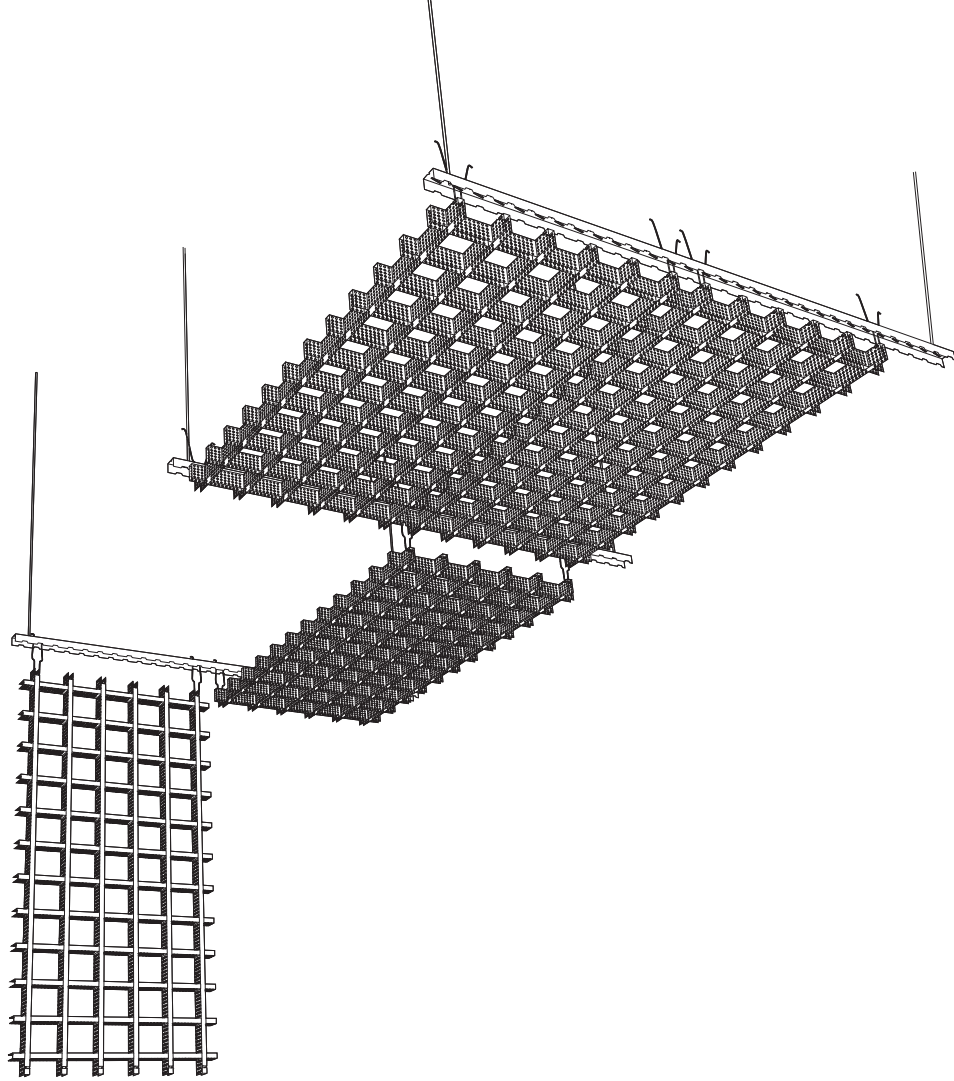
2,50 mm. hole, 19% open  
area, 5 mm. parallel pitch.





a	b	h
86	86	40
100	100	40
120	120	40
150	150	40

montaj  
Installation



Montaj Aksesuarları  
Accessories for installation

Tetrál Inverse - sistem Delta / Delta system

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel 1.200 x 600
D001 ana taşıyıcı kanal / suspension channel	lm	0,80
D002 ana taşıyıcı ekleme / coupler	pc	0,28
D003 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,70

Inverse T sistem; 600x600 mm modüllerin T kesitli taşıyıcı sistemlere montajı ile kurulur. **Π** biçiminde profillerle oluşturulan modüller, 15 mm flanş genişliğindeki T kesitli ana ve tali taşıyıcı profillerle oluşturulan kasa üstten oturtularak montaj yapılır. Oldukça fonksiyonel ve dekoratif bir sistem olan Inverse-T sistem; tetral s sisteminin tam tersidir.

#### ÖZELLİKLER

Inverse T sistemde hücre ölçüleri 90x90 mm den 150x150mm'e kadar olabilmektedir. Profil yüksekliği 40mm'dir. Inverse T sistemde profiller delikli olarak sunulur.

#### Standart Perforasyon:

Delik çapı Ø 1,50 mm, 22% delikli alan, 3 mm diagonal delik aralıklı

Delik çapı Ø 2.50 mm, 19% delikli alan, 5 mm düzenli delik aralıklı

**Π** profillerin iç kısmı ile dış kısmı farklı renklerde üretilerek, farklı tasarım amaçlarına uygun petek tavan tasarımları yapılabilmektedir. Bu ürün için standart renkler:

İç mavimsi gri RAL 5012, dış gümüş gri RAL 9006

İç alüminyum metalik, dış siyah RAL 9005

#### TEDARİK ŞEKLİ

Tetral Inverse-T, nakliyeti kolaylaştırmak amacıyla çoğunlukla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır

#### MONTAJ

Tetral Inverse-T petek tavan profilleri, modüller etrafındaki çerçeveler sayesinde T kesitli taşıyıcı sisteme kolayca monte edilecek şekilde dizayn edilmiştir. Inverse-T sistem:

- tavanda kesintisiz görünüm sunar.
- Dekoratif görünüm sunar. Tüm modüller, T taşıyıcı sisteme entegre edildiğinde profillerin taban eni ile T taşıyıcı sistemin eni aynı olduğundan, taşıyıcı sistem profilleri tamamen gizlenmiş olur. 600x600mm'lik her bir modül birbirinden bağımsız olarak demonte edilebilir ve asma tavan boşluğunda gizlenen servis tesisatlarına kolay ve hızlı erişim sağlanır.

RAL 9006 gümüş gri ve RAL 9005 siyah standart renklerdir.

#### ŞARTNAME:

Ürün:	TETRAL INVERSE-T
Tedarik şekli:	Petek haline getirilmiş veya demonte.
Malzeme:	0,45mm kalınlıkta alüminyum
Profil kesit :	" <b>Π</b> " base 15mm ve h:40mm
Hücre ebadı:	...x... mm.
Panel ebadı:	600x600 mm
Yüzey bitiş:	İç mavimsi gri RAL 5012, dış gümüş gri RAL 9006 İç alüminyum metalik, dış siyah RAL 9005
Taşıyıcı sistem:	T taşıyıcı sistem, gizli taşıyıcılı.

INVERSE on T-grid is the inverse solution of Tetrál 15 ceiling system, made up modular panels laid into a 24 mm T-grid.

Thanks to its "Π" shaped inverse profiles, 15 mm. wide, INVERSE provides the best solution between functional and decorative purposes.

A simple solution for high style projects.

#### FEATURES

INVERSE on T-grid features 600x600 mm modular panels, made up of "Π" - shaped blades 15 mm base and 40 mm height, which suitably coupled form a square cell.

Cell sizes are available from 86x86 mm up to 150x150 mm. Height 40 mm.

The TETRÁL INVERSE on T-grid blades are made by BENDING SYSTEM, which gives:

the accuracy of profiles, more square edges and blades perfectly straight.

INVERSE on T-grid is supplied perforated.

Standard perforation patterns are as follows:

hole 1,50 mm, 22% free opening, 3 mm pitch

hole 2,50 mm, 19% free opening, 5 mm pitch.

The inner and outer of blades can be of same colour, or in different colours for every decorative purpose.

Standard finishes:

inner blue RAL 5012 and outer silver RAL 9006

inner natural aluminium and outer black RAL 9005.

#### SUPPLY FORM

INVERSE on T-grid is usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

Specifically designed to fit into the standard suspension grid formed by T-24 mm. profiles, INVERSE on T-grid provides:

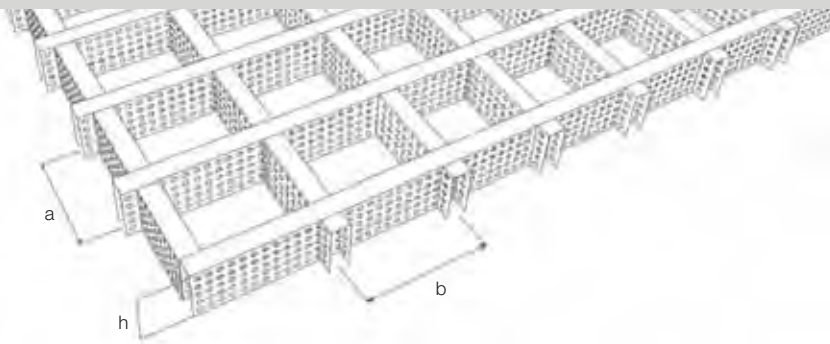
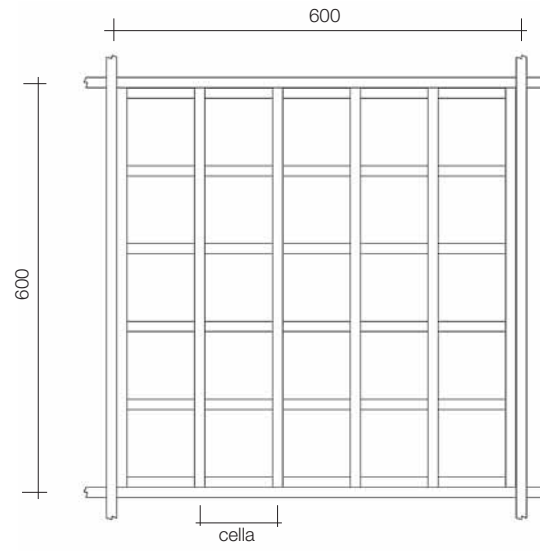
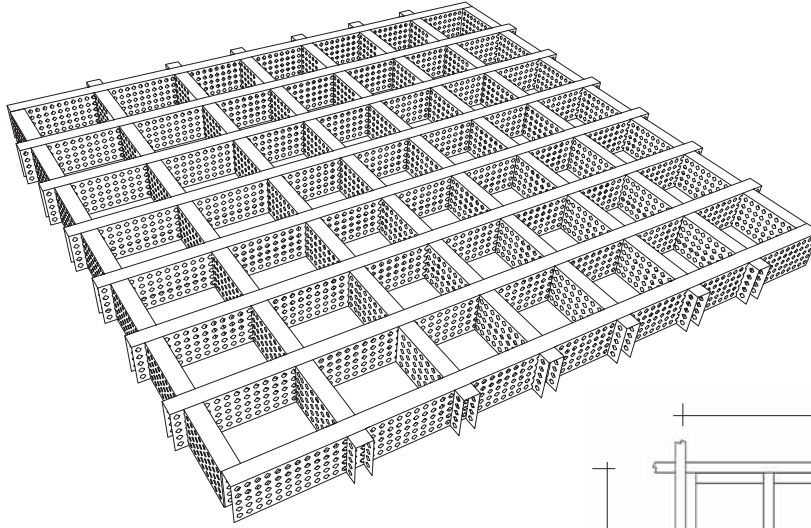
- trackless appearance of the ceiling.
- highly decorative effect. Actually, when the panel is laid into the suspension grid, the structure results fully integrated in the cell ceiling and just the T-profile points out the modular panels 600x600 mm.

The standard finishes of T24 profile are silver RAL 9006 and black RAL 9005.

#### SPECIFICATION

Product:	TETRÁL INVERSE on T-grid
Supply form:	unassembled / assembled panels
Material:	0,46 mm. th. aluminium
Section blade:	Π, base 15 mm, h40 mm
Cell size:	...x... mm.
Panel size:	600x600 mm.
Finish:	inner blue RAL 5012 outer silver RAL 9006 inner natural aluminium outer black RAL 9005
Suspension:	to lay into standard T24 grid
Quantity:	... sq.m.





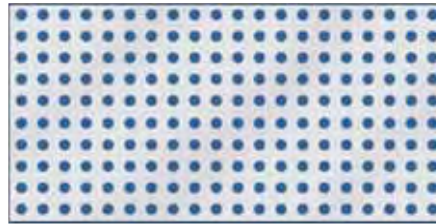
Perforasyon / Perforation patterns

Ø1,5 mm delik çapı, %22 delikli alan  
3 mm diagonal delik sırası



1,5 mm. hole, 22% open area,  
3 mm. diagonal pitch.

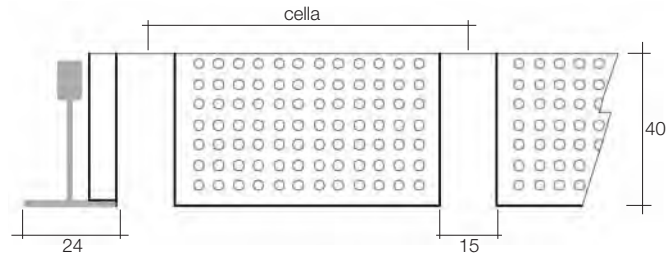
Ø2,50 mm delik çapı, %19 delikli alan  
5 mm düzenli delik sırası



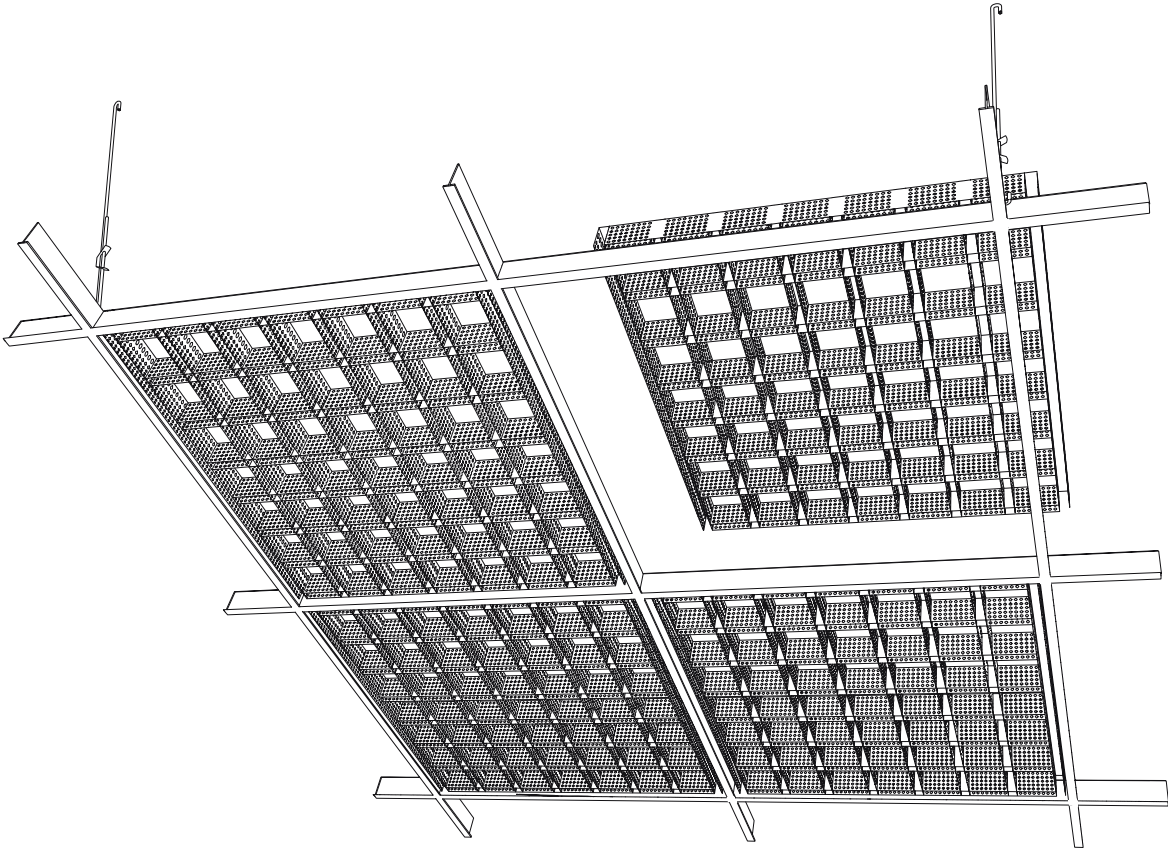
2,50 mm. hole, 19% open  
area, 5 mm. parallel pitch.

Tetrál Inverse  
on T-grid

Tetrál Inverse on T-Grid

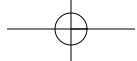
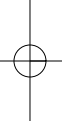
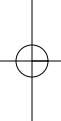
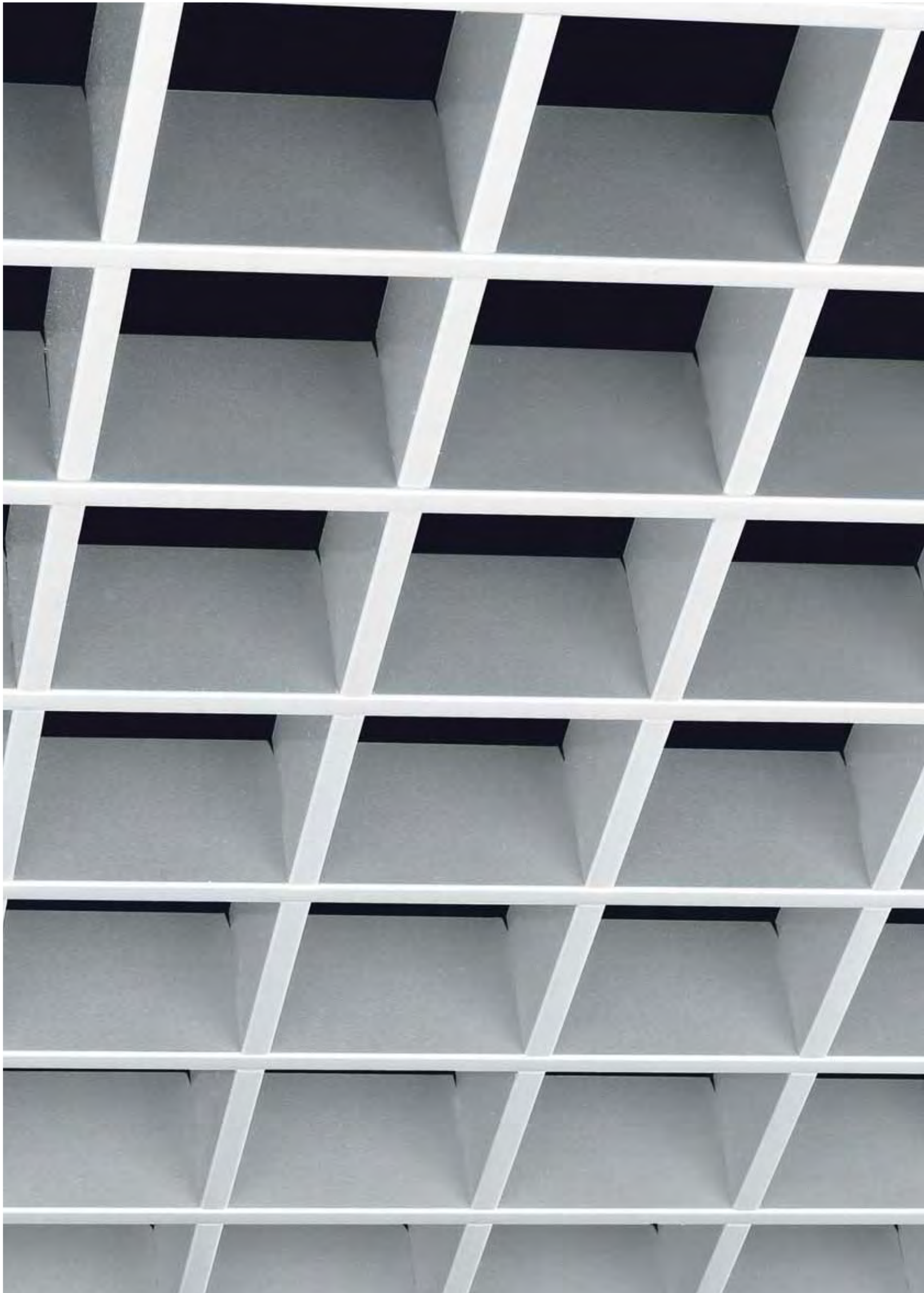
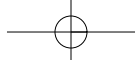


a	b	h
86	86	40
100	100	40
120	120	40
150	150	40

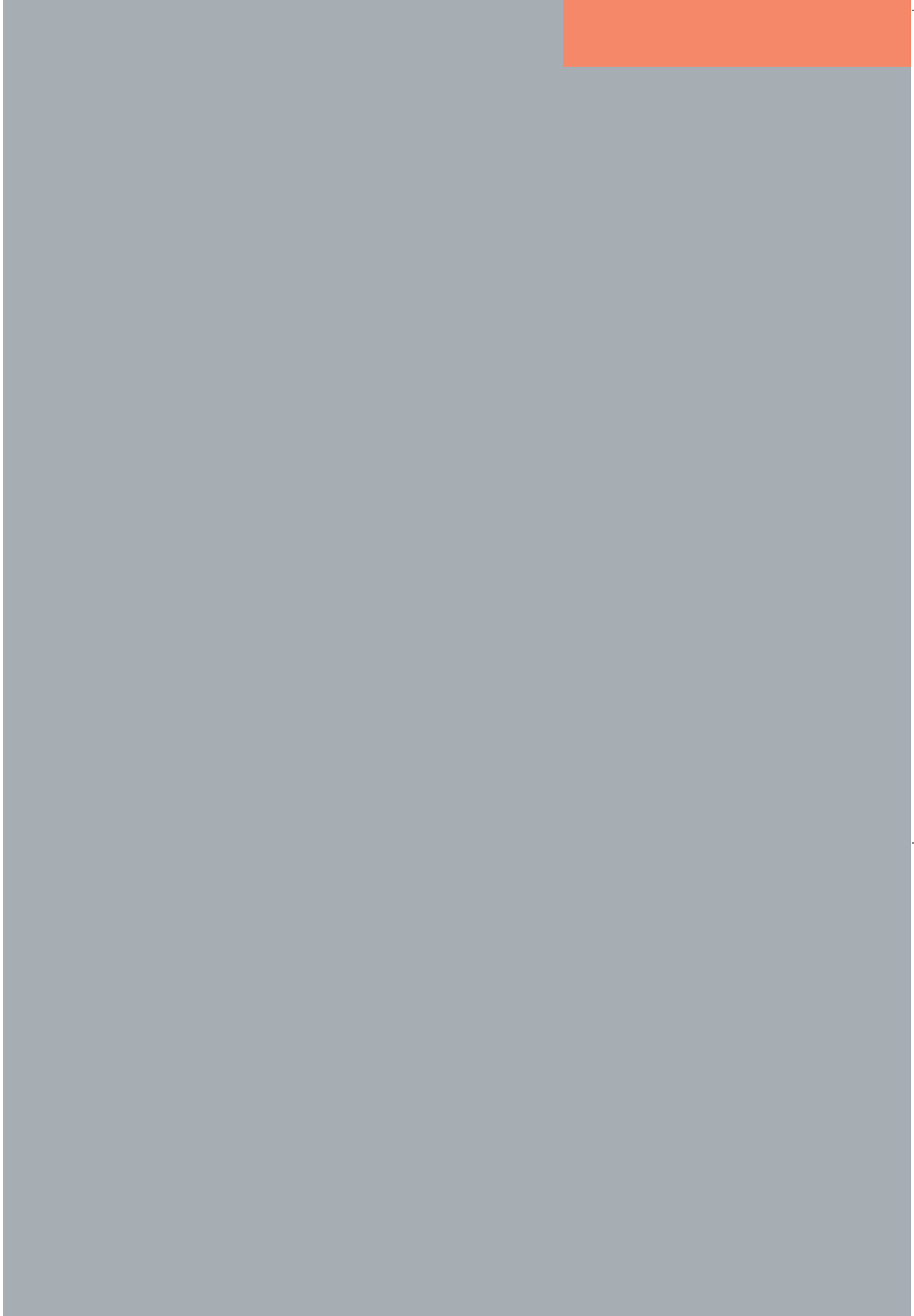
Montaj  
InstallationMontaj aksesuarları  
Accessories for installation

Tetrál inverse on T-grid - T24 sistem / system on T24

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 600 x 600
T001 askı tiji/ rod	pc	0,70
T002 yay / spring	pc	0,70
T003 kanca / hook	pc	0,70
T3600 ana taşıyıcı L 3600 / L 3600 profile	pc	0,23
T1200 tali taşıyıcı L1200 / L1200 profile	pc	1,38
T600 tali taşıyıcı L 600 / L 600 profile	pc	1,38







DELTA







Deltaceir, "Δ" biçiminde üretilen profillerle oluşturulan bir petek tavan sistemidir. Bu sistem, asma tavan boşluğuna sık ve kolay erişim gereken alanlar için idealdir. Bu sistem, profillerin biçimi ve birlikte sunulduğu taşıyıcı sistem itibarıyla dış mekanlarda yapılacak petek tavan uygulamaları için de uygundur.

#### ÖZELLİKLER

Deltaceir, 4 mm taban eni ve 30 mm yükseliğinde "Δ" biçimli profillerden oluşturulmuş 1200x600 mm halinde montajı yapılan modüler petek tavan sistemidir. Kare veya dikdörtgen biçiminde hücre biçimiyle taşıyıcı sistemin gizlendiği mükemmel kesintisiz bir tavan görüntüsü elde edilir. Petek hücre enatları 30x30 mm'den 100x100 mm'e kadar değişir. Modüller 1200x600 mm ölçüsündedir ve gizli taşıyıcı sistemi olan Delta taşıyıcı sistem ile monte edilirler. Ön boyalı (pre-painted) veya sonradan boyanan (post-painted) alüminyum hammadde kullanılarak üretilirler. RAL, NCS, PANTONE ve SIKKENS renk kartelalarından seçilecek renklerle tavanlar çeşitlendirilebilmektedir.

#### ASKILI DEMONTAJ

Her bir modül tek kenarından aşağıya sarkıtılır ancak tamamen demonte edilmez, klipsler vasıtasıyla aşağı doğru sallandırılarak durur. Modüller 60 cm'lik kısa kenardan demonte edilir ve boyuna doğru asılı bırakılır. İstek üzerine uzun kenardan demonte edilecek şekilde de üretim yapılabilir.

#### TEDARİK ŞEKLİ

Deltaceir, çoğunlukla nakliye kolaylaştırmak amacıyla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

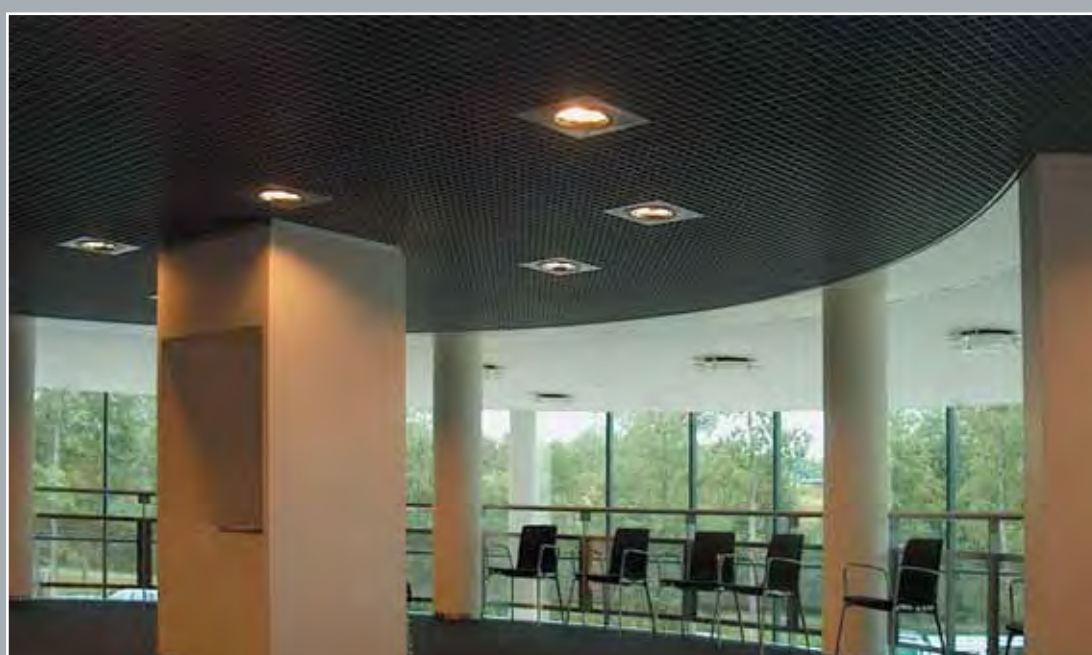
Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır.

#### MONTAJ

Delta Taşıyıcı Sistem ile Deltaceir petek tavan modüllerinin montajı kolay ve hızlıdır. Bu gizli taşıyıcı sistem, tavan da kesintisiz bir görünüm sunar. Tüm modüller birbirinden bağımsız olarak aşağı yönlü demonte edilebilir, bu da asma tavan boşluğunda gizlenen servis tesisatlarına kolay ve hızlı erişim sağlar. Tavani rahatlıkla demonte edebilmek için gerekli olan asma tavan boşluğu minimum 80mm'dir.

#### ŞARTNAME:

Ürün:	DELTACEIR
Tedarik şekli:	Petek haline getirilmiş veya demonte.
Malzeme:	0,40mm kalınlıkta alüminyum
Profil kesit:	"Δ" base 4mm ve h:30mm
Hücre ebadı:	...x... mm.
Panel ebadı:	1200x600 mm
Yüzey bitiş:	Değişir
Taşıyıcı sistem:	Delta taşıyıcı sistem, gizli taşıyıcı.





DELTA CEIR is the aluminium open cell ceiling made of closed "Δ" profiles, fully downward demountable. Easy and fast to install, DELTA CEIR is ideal for areas where the most simple form of access to the ceiling void is required.

Thanks to its special suspension system, it is also suitable for external applications with excellent results.

The closed shape of the blades drastically reduces the buildup of dust, and so the settling in the space of harmful products to one's health.

#### FEATURES

DELTA CEIR features 1200x600 mm modular panels, made of closed "Δ" profiles with a base of 4 mm and height of 30 mm, forming square cells in a perfect and trackless appearance.

Cell sizes from 30x30 up to 100x100 mm.

Height 30 mm.

The modular panels, 1200x600 mm, are suspended from the concealed Delta suspension system.

DELTA CEIR blades are made by BENDING SYSTEM, which gives:

the accuracy of profiles, more square edges and blades perfectly straight.

A wide range of finishes either from pre-painted or post-painted aluminium is available, according to the RAL, NCS, PANTONE and SIKKENS colours.

#### HINGE-DOWN PERFECT AND EASY

Each panel is fully downward demountable and can remain hinged-down in the springs without being totally removed.

The panels swing down from the short side (600 mm) and remain suspended at full length. Upon request, hinge-down from the long side (1200 mm) is possible too.

#### SUPPLY FORM

DELTA CEIR is usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

Ceir open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

The concealed Delta suspension system allows for easy and fast placement or removal of DELTA CEIR.

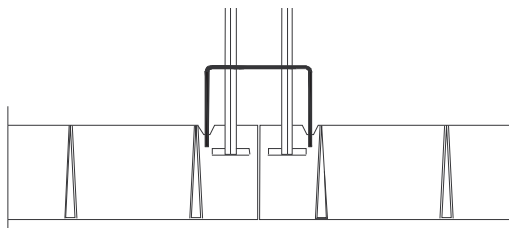
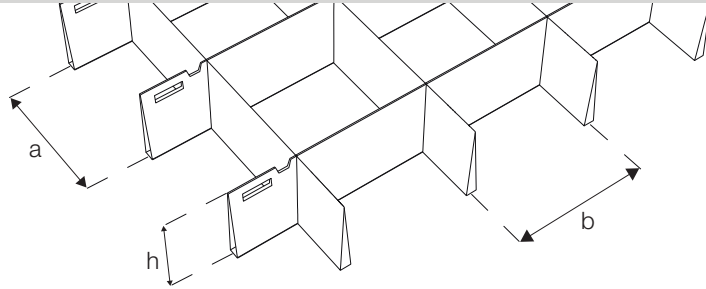
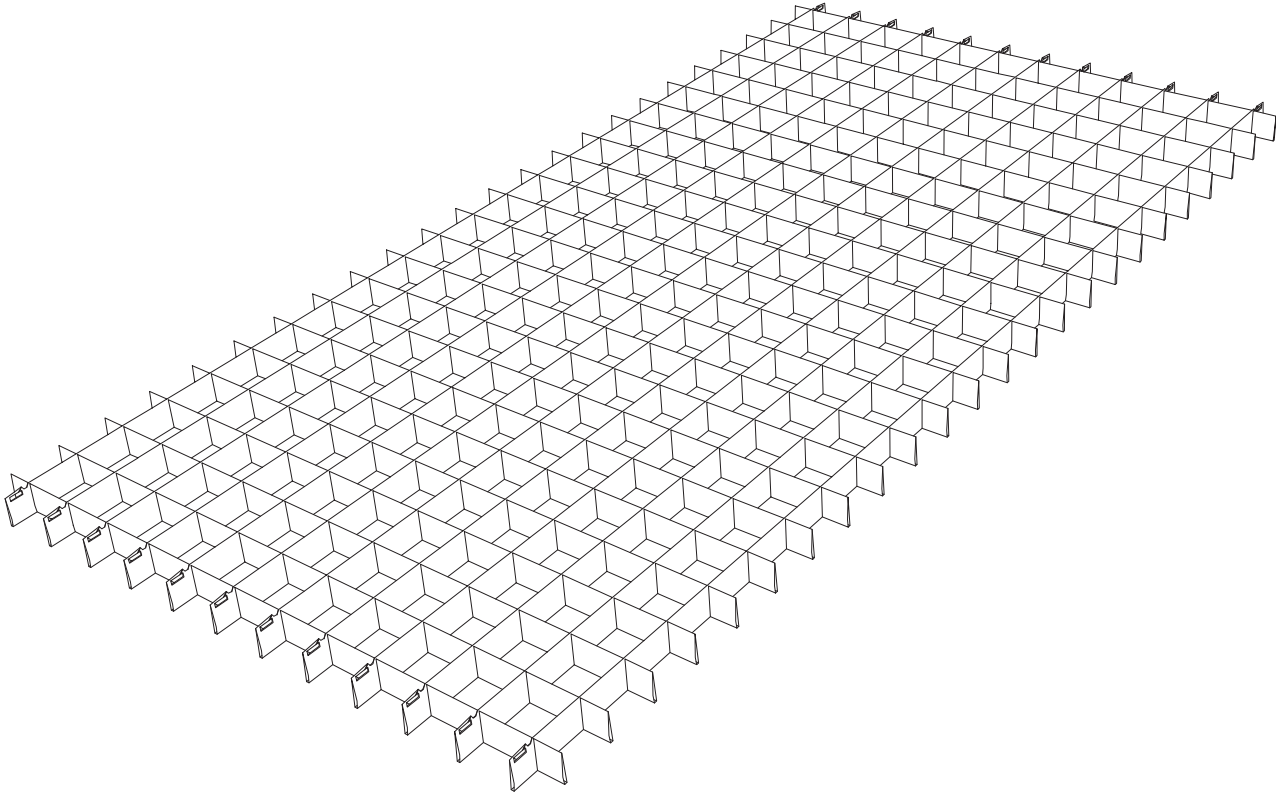
The suspension system gives a trackless appearance and allows for demounting of the panels from below.

The minimum free space required for comfortable demounting is 80 mm only.

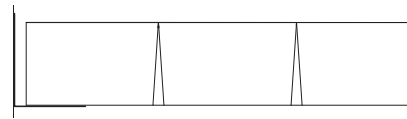
#### SPECIFICATION

Product:	DELTA CEIR
Supply form:	unassembled / assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"Δ", base 4 mm, h30 mm.
Cell size:	...x... mm.
Panel size:	1200x600 mm. (standard)
Finish:	...
Suspension:	Delta system
Quantity:	... sq.m.

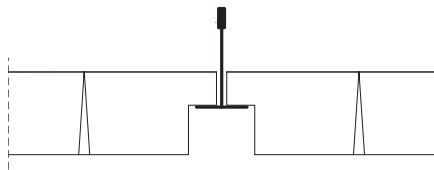




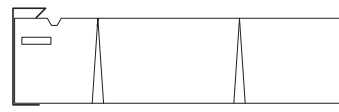
Delta standart sistem  
Delta standard system



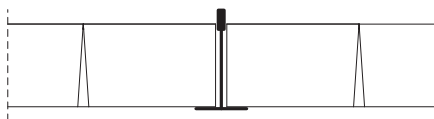
L köşebent  
'L' shape perimeter profile



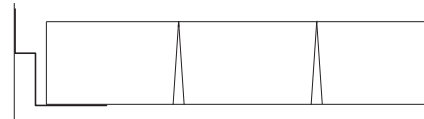
Lay-in Sarkmalı sistem  
to lay-in system



Yüzer tavan için köşebent  
perimeter profile for free-floating installation

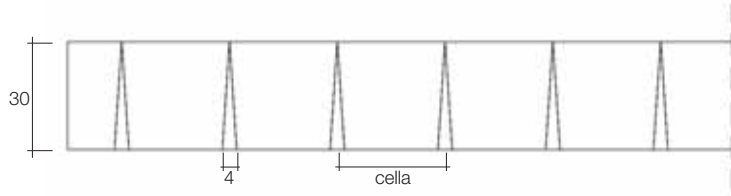


Lay-on oturmali sistem  
to lay-on system

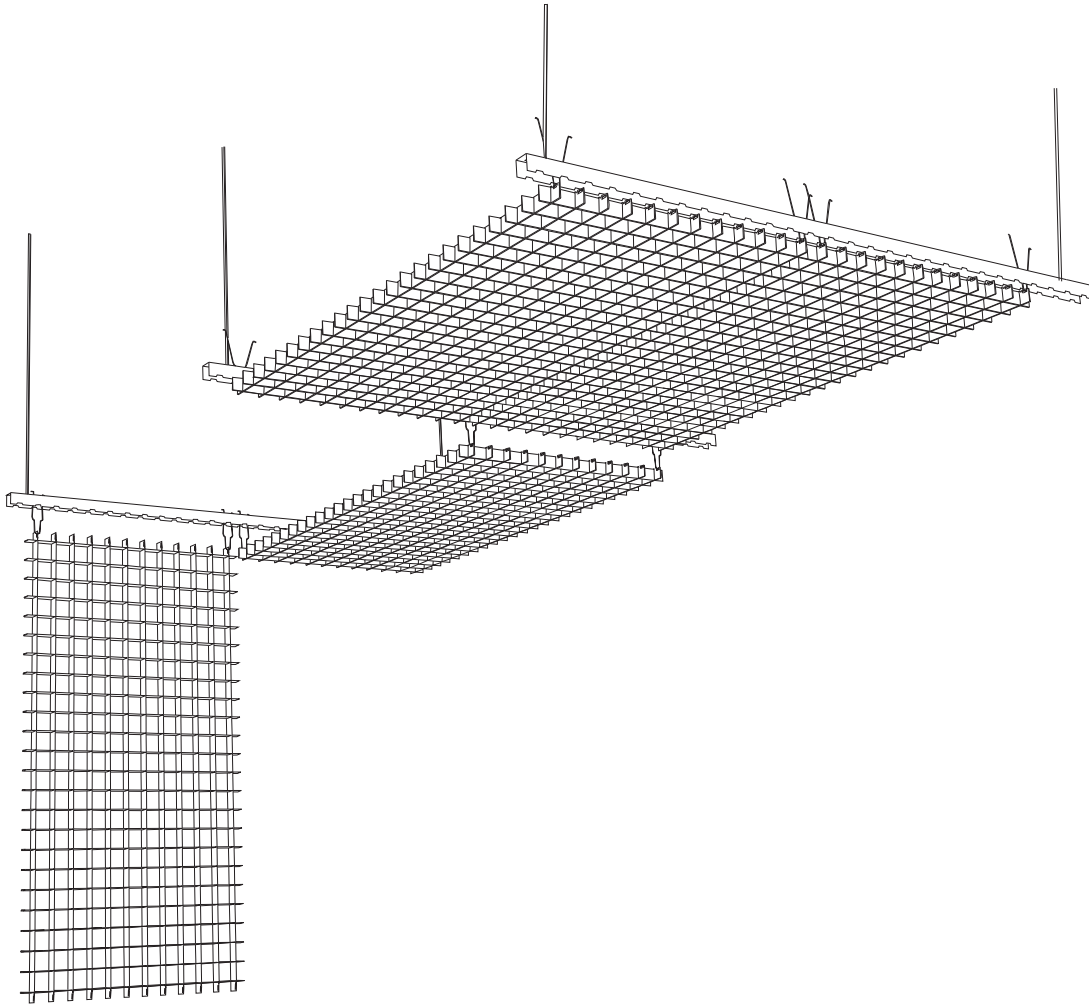


Z köşebent  
double 'L' shape perimeter profile

## Deltaceir

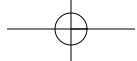
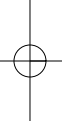
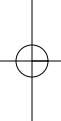
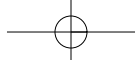


a	b	h
30	30	30
37,5	37,5	30
40	40	30
50	50	30
60	60	30
66	66	30
75	75	30
86	86	30
100	100	30

Montaj  
InstallationMontaj aksesuarları  
Accessories for installation

Deltaceir - Delta standart sistem / Delta standard system

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel 1.200 x 600
D001 taşıyıcı kanal / suspension channel	lm	0,80
D002 taşıyıcı ekleme / coupler	pc	0,28
D003 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,70



DELTA CEIR Line, Deltaceir'in lineer versiyonudur, demonte edilebilir modüllerden oluşur. Deltaceir Line, "Δ" biçiminde üretilen profillerle oluşturulan bir petek tavan sistemidir. Bu sistem, asma tavan boşluğuna sık ve kolay erişim gereken alanlar için idealdir.

Sistem, ince ve dekoratif, birbirine paralel şekilde monte edilmiş "Δ" biçimli lineer profillerin üzerinde destek köprüsü görevi gören bir profille bir arada tutulmasıyla oluşturulur.

#### ÖZELLİKLER

Deltaceir Line, 1200x600mm'lik modüllerden oluşur. "Δ" biçimli profiller belirli aralıklarla birbirine paralel olarak monte edilir (bu aralık 15 mm'den başlar). Profiller 4 mm taban eni, yükseklik 20 veya 30mm

#### ASKILI DEMONTAJ

Her bir modül tek kenarından aşağıya sarkıtılır ancak tamamen demonte edilmez, klipsler vasıtasıyla aşağı doğru sallandırılarak durur. Modüller 60cm'lik kısa kenardan demonte edilir ve boyuna doğru asılı bırakılır. İstek üzerine uzun kenardan demonte edilecek şekilde de üretim yapılabilir.

#### TEDARİK ŞEKLİ

DeltaceirLine nakliye için kolaylaştırmak amacıyla çoğunlukla petek haline getirilmeden demonte olarak tedarik edilir. Ancak istek üzerine montajlı/petek haline getirilmiş olarak da sunulabilmektedir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır

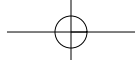
#### MONTAJ

Delta Taşıyıcı Sistem ile DeltaLine petek tavan modüllerinin montajı kolay ve hızlıdır. Bu gizli taşıyıcı sistem, tavanda kesintisiz görünüm sunar. Tüm modüller birbirinden bağımsız olarak aşağı yönlü demonte edilebilir, bu da asma tavan boşluğunda gizlenen servis tesisatlarına kolay ve hızlı erişim sağlar.

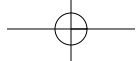
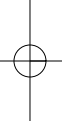
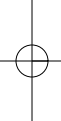
#### ŞARTNAME:

Ürün:	Deltaceir Line
Tedarik şekli:	Hazır petek haline getirilmiş veya demonte
Malzeme:	0,40mm kalınlıkta alüminyum
Profil kesit :	"Δ" base 4 (h30) veya (h20) mm
Hücre aralığı:	.. mm
Panel ebadı:	1200x600mm (standard)
Yüzey bitiş:	..
Taşıyıcı sistem:	gizli taşıyıcı Delta taşıyıcı sistem





Deltaceir Line



DELTA CEIR Line is the linear solution of Deltaceir aluminium ceiling system, made up of modular panels which are fully downward demountable. With thin and very decorative "Δ" lines, this product features parallel profiles held by upper support bridges which placed over the panel will disappear when looking across the ceiling. The perfect solution for every project requiring exclusive design. The closed shape of the blades drastically reduces the buildup of dust, and so the settling in the space of harmful products to one's health.

#### FEATURES

DELTA CEIR Line features 1200x600 mm modular panels, made of closed "Δ" profiles spaced at any interval (pitch) from 15 mm. Profiles h30, 4 mm wide. Profiles h20, 4 mm wide.

The modular panels, 1200x600 mm, are suspended from the concealed Delta suspension system. Upon request, special modules are available: width up to 1200 mm and length up to 1800 mm.

DELTA CEIR Line blades are made by BENDING SYSTEM, which gives: the accuracy of profiles, more square edges and blades perfectly straight.

A wide range of finishes either from pre-painted or post-painted aluminium is available, according to the RAL, NCS, PANTONE and SIKKENS colours.

#### HINGE-DOWN PERFECT AND EASY

Each panel is fully downward demountable and can remain hinged-down in the springs without being totally removed. The panels swing down from the short side (600 mm) and remain suspended at full length. Upon request, hinge-down from the long side (1200 mm) is possible too.

#### SUPPLY FORM

DELTA CEIR Line is usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can also be supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

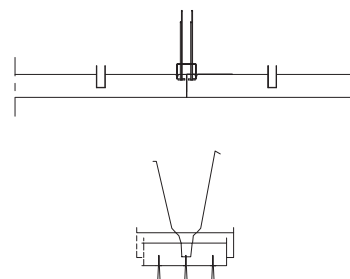
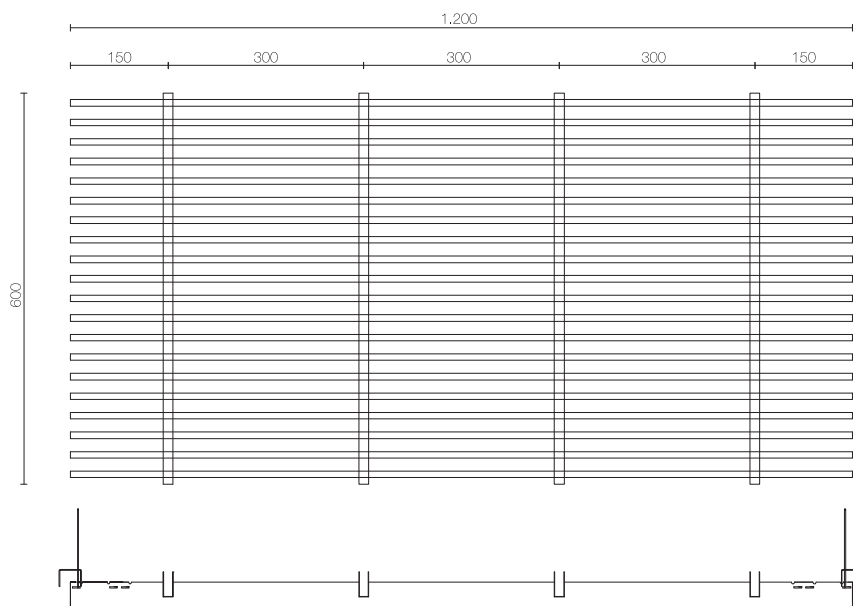
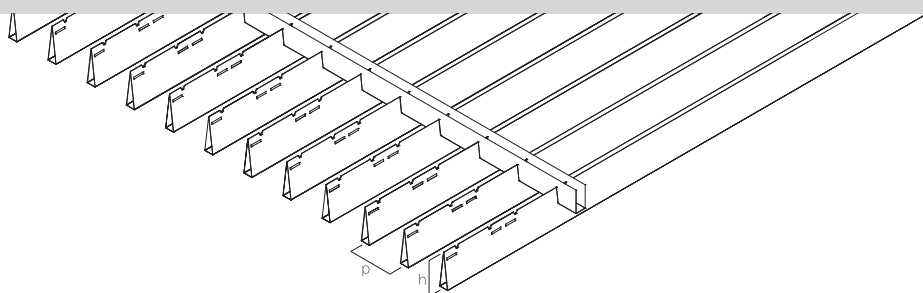
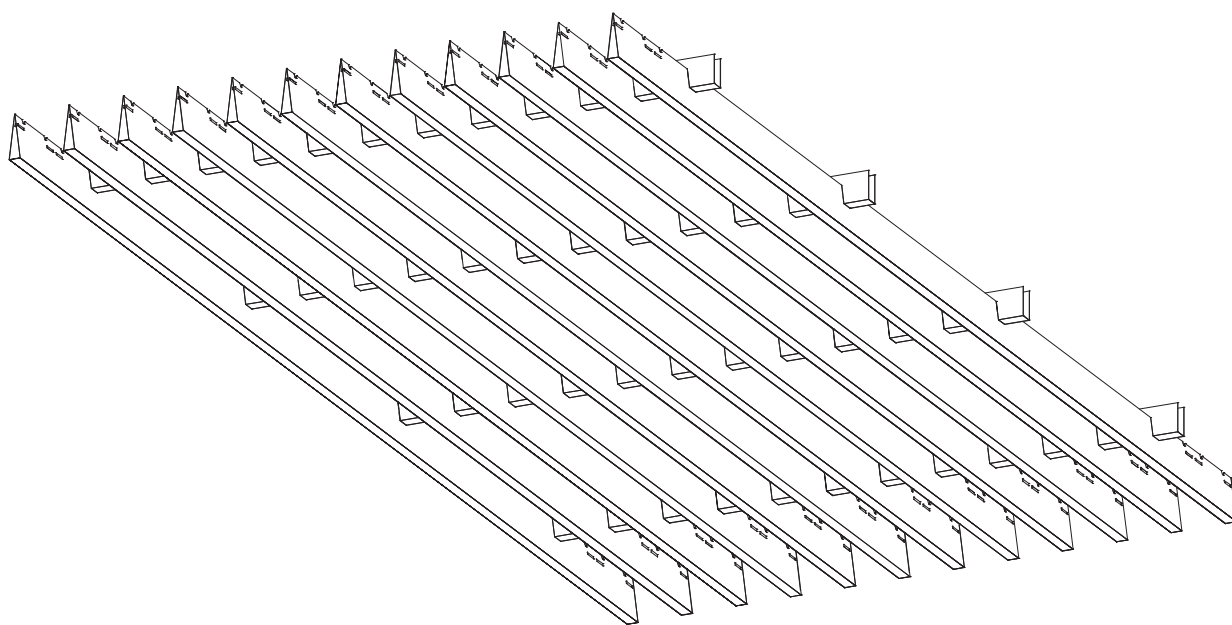
The concealed Delta suspension system allows for easy and fast placement or removal of DELTA CEIR Line.

The suspension system gives a trackless appearance and allows for demounting of the panels from below.

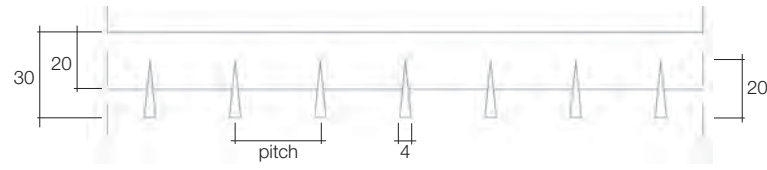
The minimum free space required for comfortable demounting is 80 mm only.

#### SPECIFICATION

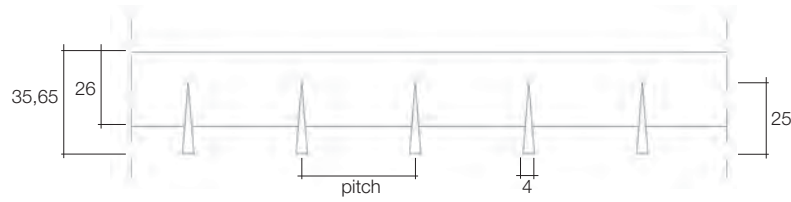
Product:	DELTA CEIR Line
Supply form:	unassembled / assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"Δ", base 4 h30 or h20 mm.
Pitch:	at ... mm.
Panel size:	1200x600 mm. (standard)
Finish:	...
Suspension:	Delta system
Quantity:	... sq.m.



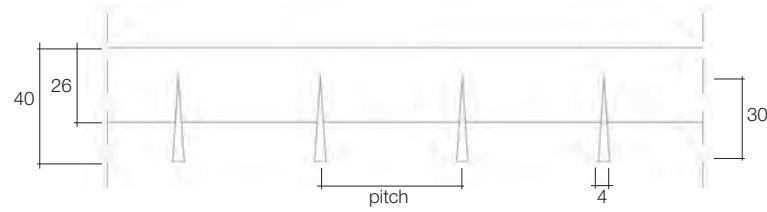
## Deltaceir Line



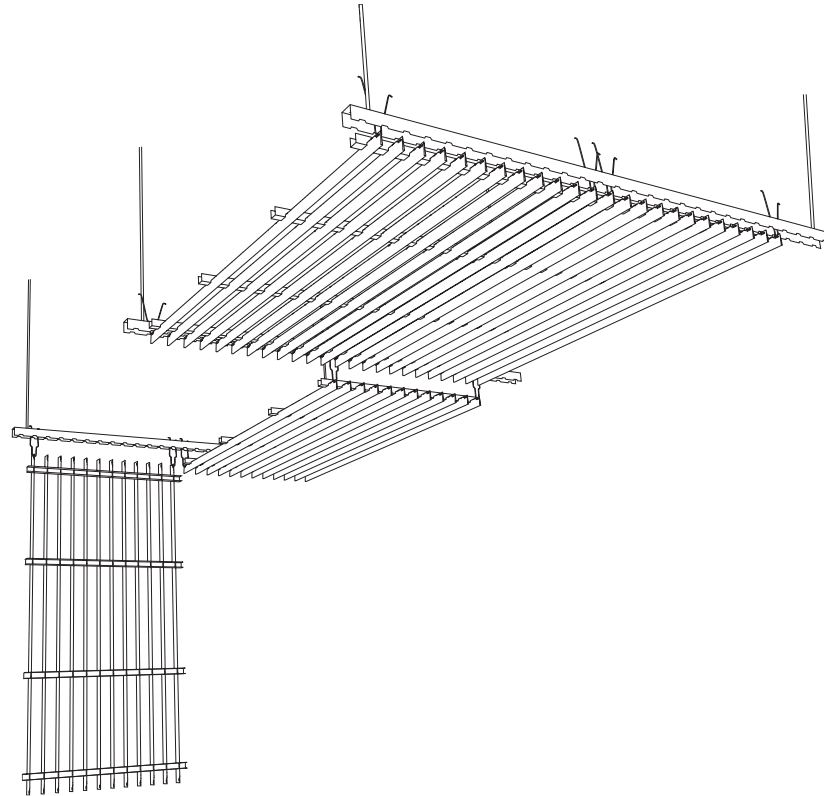
p	h
15	20
20	20
25	20
30	20



p	h
15	25
20	25
25	25
30	25



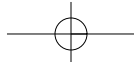
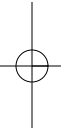
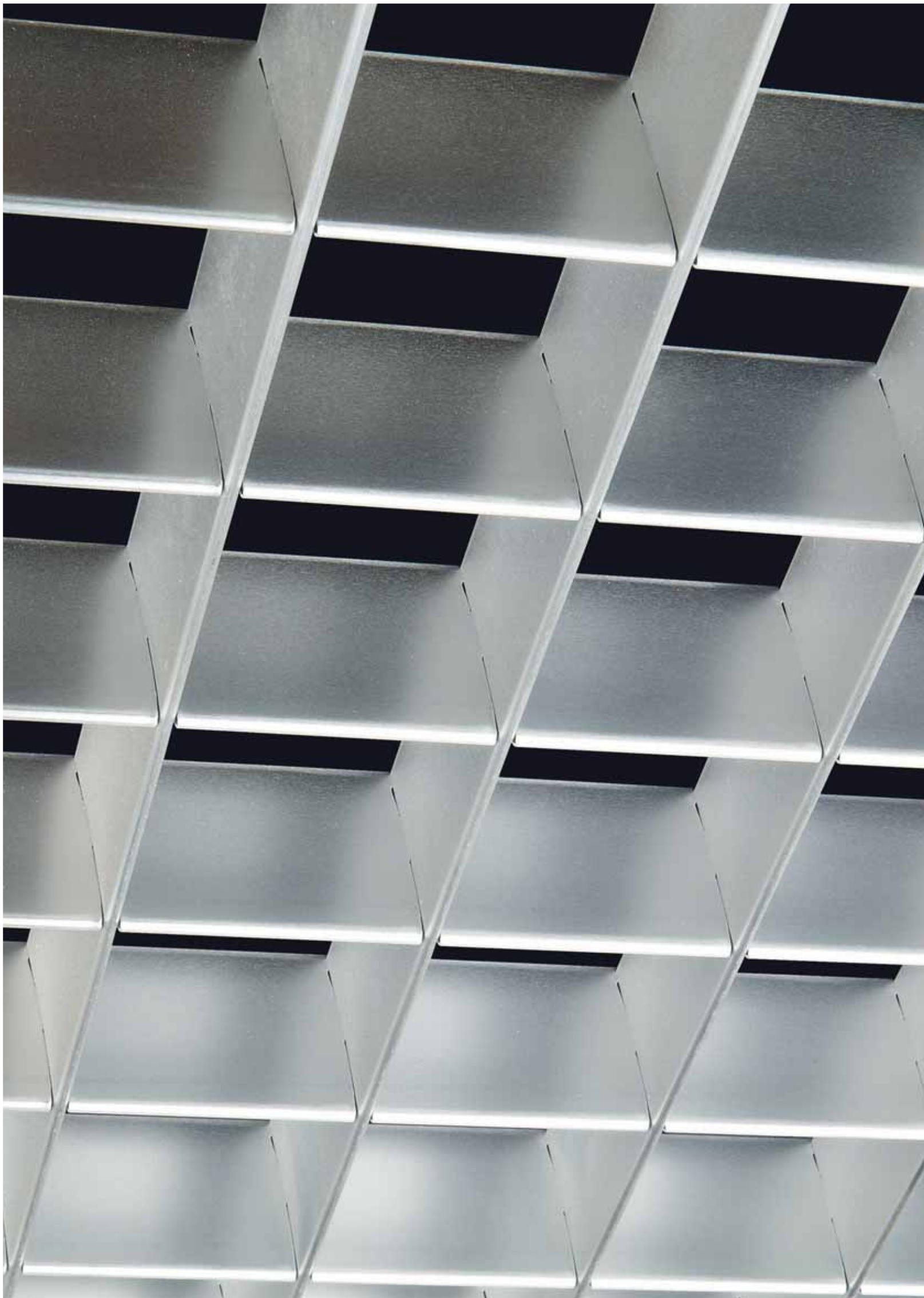
p	h
20	30
25	30
30	30
40	30
50	30

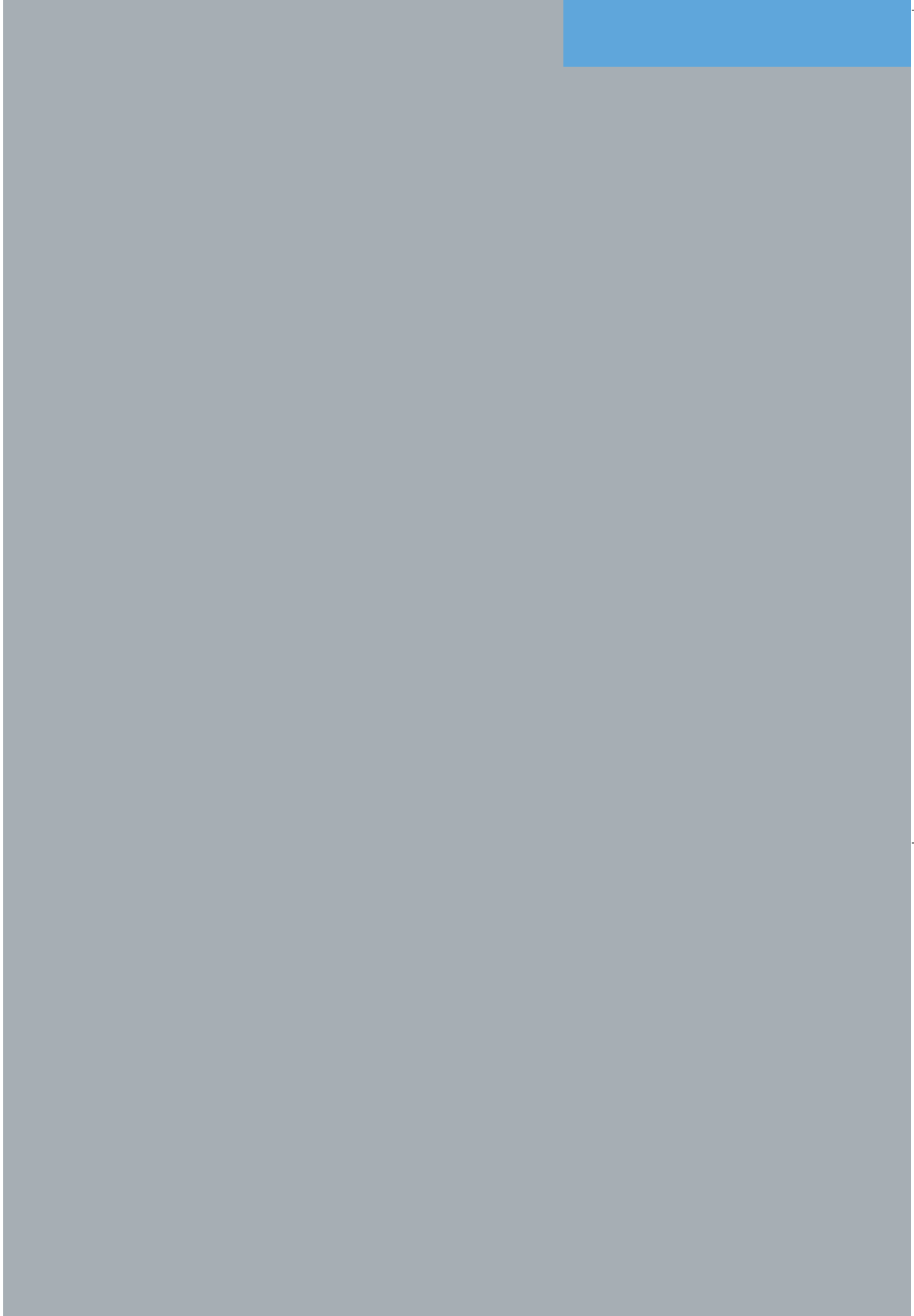
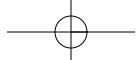
Montaj  
InstallationMontaj aksesuarları  
Accessories for installation

## Deltaceir Line - Delta standard sistem / Delta standard system

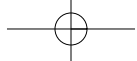
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200 x 600
D001 taşıyıcı kanal / suspension channel	lm	0,80
D002 taşıyıcı ekleme / coupler	pc	0,28
D003 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80
D010 panel destek profili / panel support bridge	pc	5,56







REFLEX



Reflex





Reflex sistemi petek tavan profillerinin yeni bir konseptle daha geliştirilmiş versiyonudur.

"V" biçiminde parabolik şekilli profiller ve kullanılan parlama yapmaz yarı-yansıtıcı, anodize alüminyum ham madde sayesinde REFLEX, video terminalleri, show-rooms, mağazalar, bankalar gibi yüksek derecede ışık yoğunluğu gereken alanlar için ideal olmaktadır.

REFLEX profilleri, yüksek kalite aydınlatma teknolojisine ve harika mimari tasarımına sahip bir tavan sistemini garanti eder.

#### ÖZELLİKLER

Reflex sistemi 30mm yüksekliğinde "V" biçimli parabolik profillerden oluşturulmuş 800x800 ya da 1200x600mm lik modül tavan sistemidir. Standart hücre ölçüsü 50x50mm ve profil yüksekliği 30mm'dir. Özel ebatlar da isteğe bağlı olarak üretilebilmektedir.

REFLEX genellikle parlama yapmaz yarı-yansıtıcı, anodize alüminyumdan veya altın sarısı bitişle sunulur. Aydınlatma Sistemi: Reflex profilleri direk ya da endirek parlama-yansıma yapmaz.

Izgara tavanın parabolikliği, tavanda oluşabilecek doğrudan parlamayı ve ışık hüzmelerinin yansımalarını engeller.

Aydınlatmaya katkısı sayesinde REFLEX doğal ve doğal ışıklandırmada kullanılan difüzörlerin iki misli ölçüsünde katkı sağlar.

#### TEDARİK ŞEKLİ

Reflex her zaman petek haline getirilmiş hazır olarak teslim edilir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır.

#### MONTAJ

Reflex, tavanda kesintisiz görünüm sunan gizli taşıyıcı sistem ile monte edilir. Reflex modüller, aşağı yönlü demontaj imkanı sunan Delta taşıyıcı sistem ile uygulanabilirler.

#### ŞARTNAME:

Ürün:	REFLEX
Tedarik şekli:	Petek haline getirilmiş, hazır.
Malzeme:	0,40mm kalınlıkta alüminyum
Profil kesit :	"V" ve h:30 mm
Hücre ebadı:	50x50 mm.
Panel ebadı:	800x800 mm 1200x600 mm
Yüzey bitiş:	Değişir
Taşıyıcı sistem:	gizli taşıyıcı Reflex-T sistem veya Delta taşıyıcı sistem







REFLEX is the aluminium open cell ceiling system developed on a new concept.

Thanks to its "V" parabolic shape profiles and the material employed (anti-iridescent semi-specular, anodised aluminium), REFLEX is ideal for settings requiring a high light intensity, like rooms equipped with video terminals, showrooms, shops, banks, etc.

REFLEX ensures a ceiling system with high quality lighting technology and great architectural effect.

#### FEATURES

REFLEX features 800x800 or 1200x600 mm modular panels, made of "V" profiles 30 mm high, which suitably assembled form a square cell. Standard cell size 50x50 mm. Height 30 mm. Upon request, special modules and cell sizes are available.

The REFLEX blades are made by BENDING SYSTEM, which gives: the accuracy of profiles, more square edges and blades perfectly straight.

REFLEX is usually supplied in anti-iridescent semi-specular anodised aluminium or gold finish.

#### REFLEX - LIGHTING SYSTEM

REFLEX excludes any glare, both direct and indi-

rect.

The special parabolicity of the grill prevents the direct glare and the reflection of lighting on the ceiling surface.

Thanks to its lighting technology, REFLEX has the double effect of a diffuser for artificial lighting and a diffuser for natural light, with energy saving thanks.

#### SUPPLY FORM

REFLEX is always supplied assembled.

#### FIRE REACTION

CEIR open cell ceilings are classified incombustible in compliance with international standards.

#### INSTALLATION

REFLEX is suspended from a concealed suspension system giving a trackless appearance.

The concealed Reflex system, by which the panels are installed on extruded aluminium T-profiles, allows for easy and fast placement or removal of the panels.

REFLEX can also be suspended from the concealed Delta suspension system, demountable from below. In this case the standard module is 1200x600 mm.

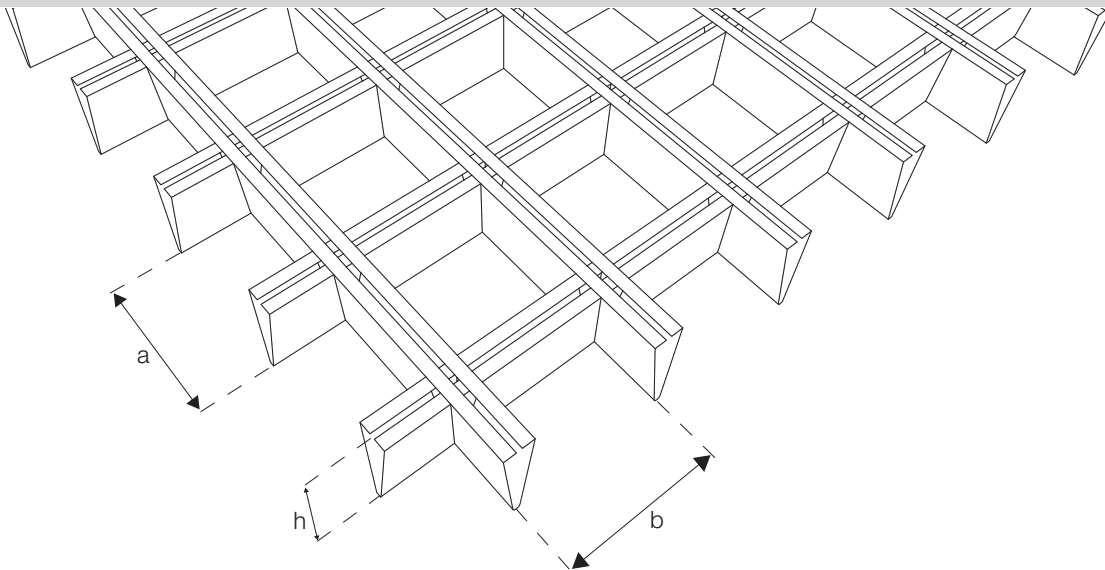
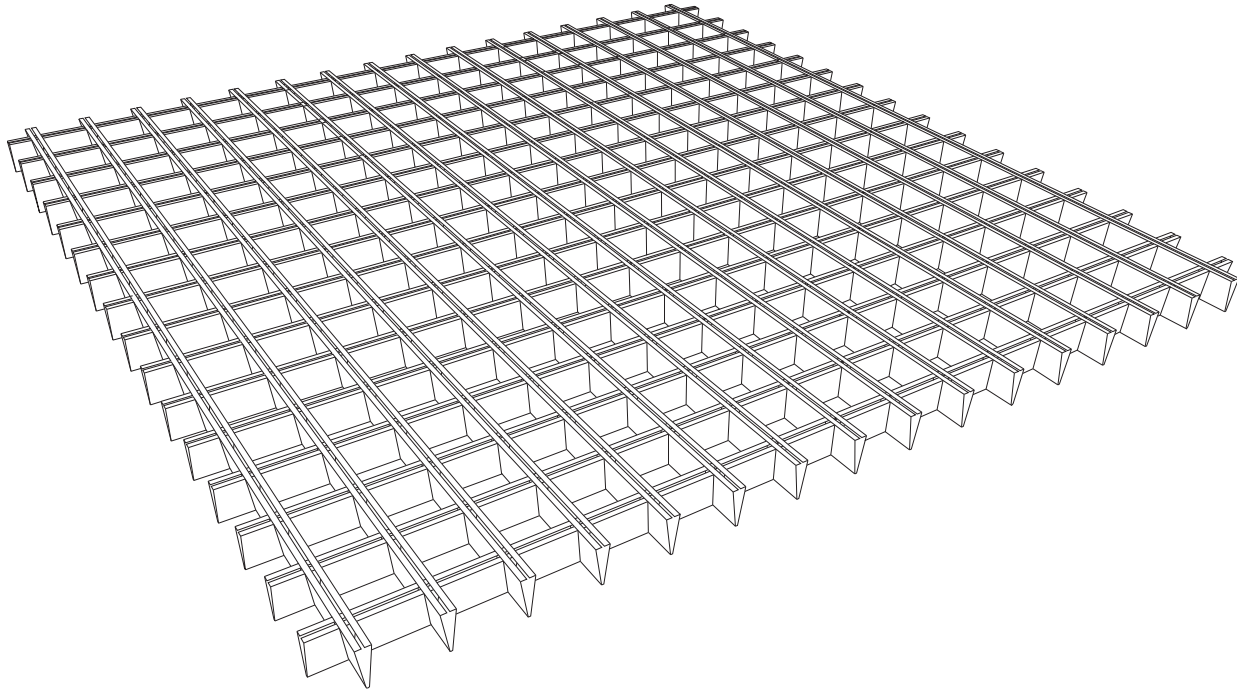
#### SPECIFICATION

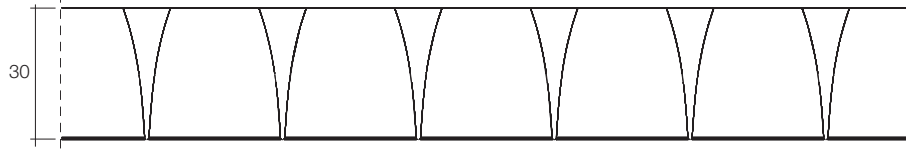
Product:	REFLEX
Supply form:	assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"V", h30 mm.
Cell size:	50x50 mm.
Panel size:	800x800 mm. (1200x600 mm.)
Finish:	...
Suspension:	concealed Reflex system by T-grids or Delta system
Quantity:	... sq.m.



Reflex

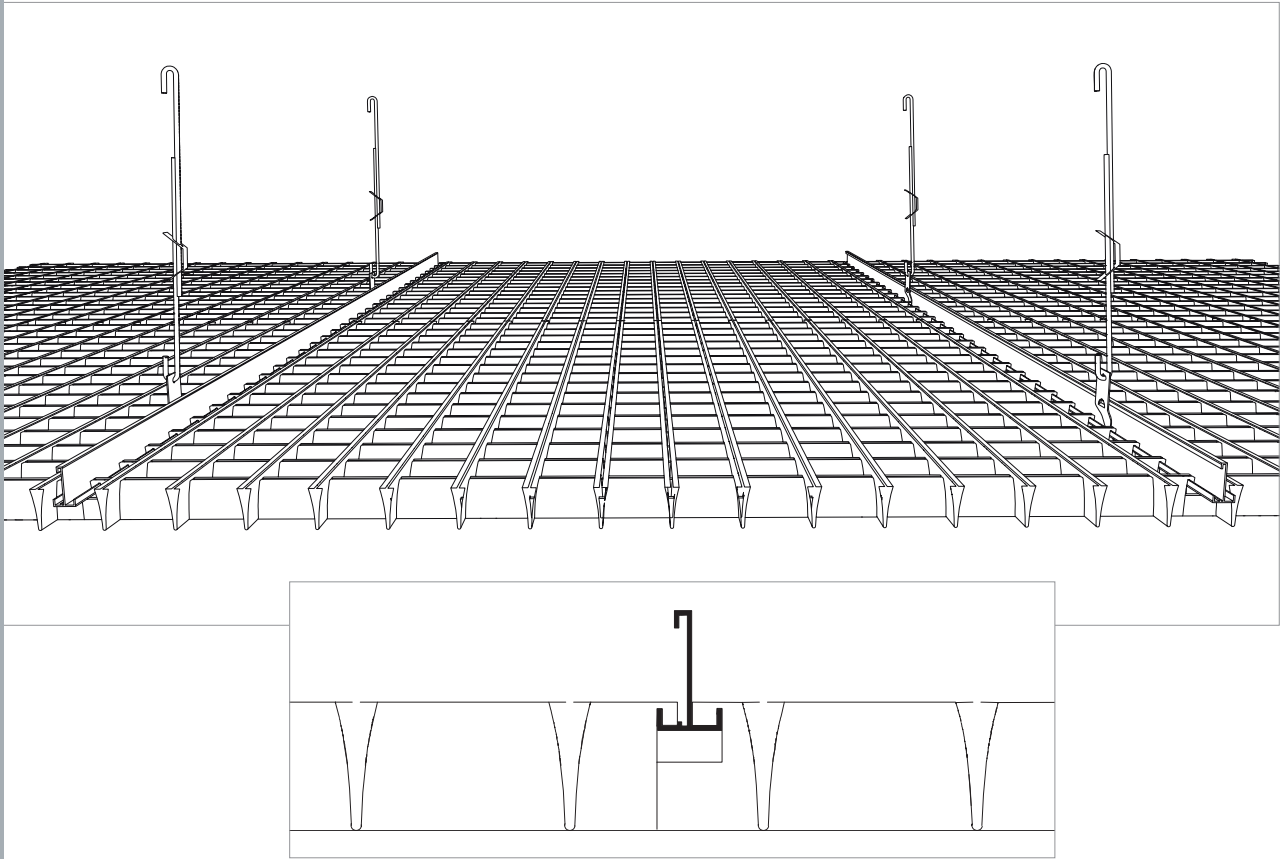
Reflex





a	b	h
50	50	30
60	60	30
75	75	30

Montaj  
Installation



Montaj aksesuarları  
Accessories for installation

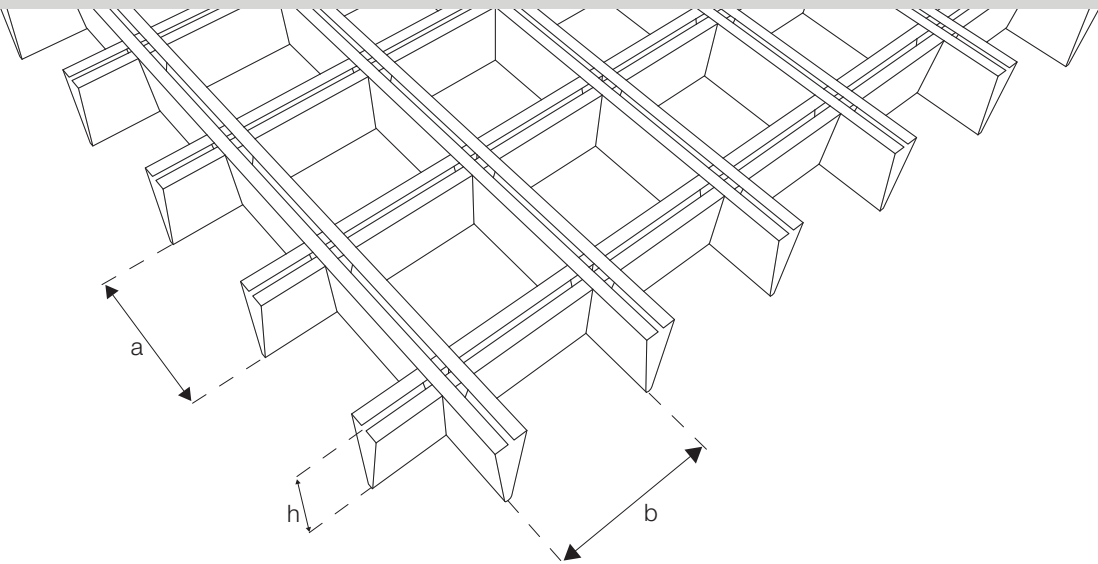
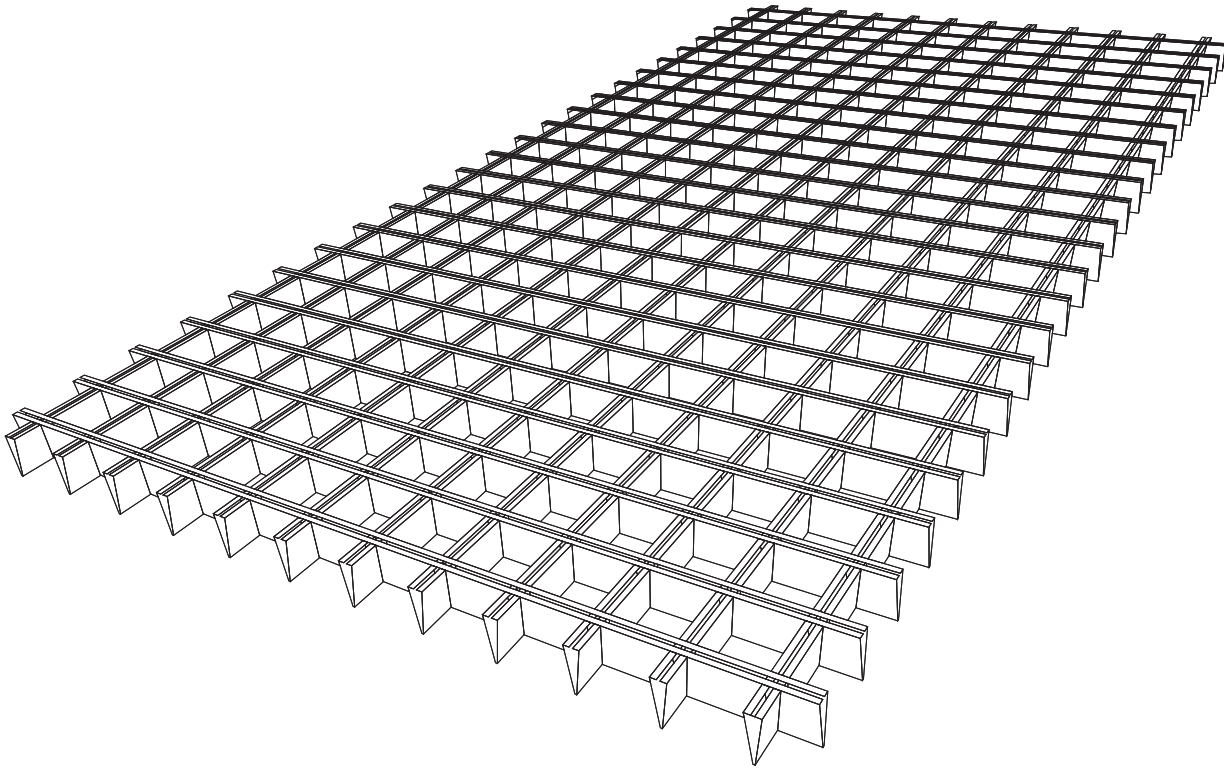
Reflex - reflex sistem / reflex system

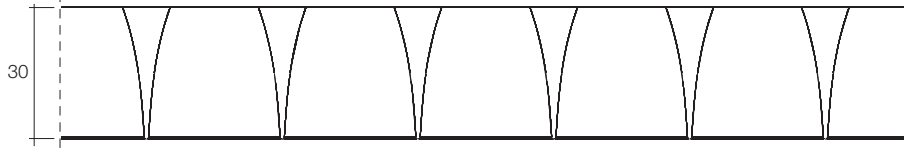
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 800 x 800
R001 askı tiji / rod	pc	0,95
R002 yay / spring	pc	0,95
R003 kanca / hook	pc	0,95
R043 "T" taşıyıcı profil / "T" profile	lm	1,20
R044 askı aparatı / suspension bracket	pc	0,95
R045 "T" taşıyıcı ekleme / splicer for "T" profile	pc	0,22
R046 bağlantı aparatı (reflex) / connection bracket (reflex)	pc	4,60



Reflex

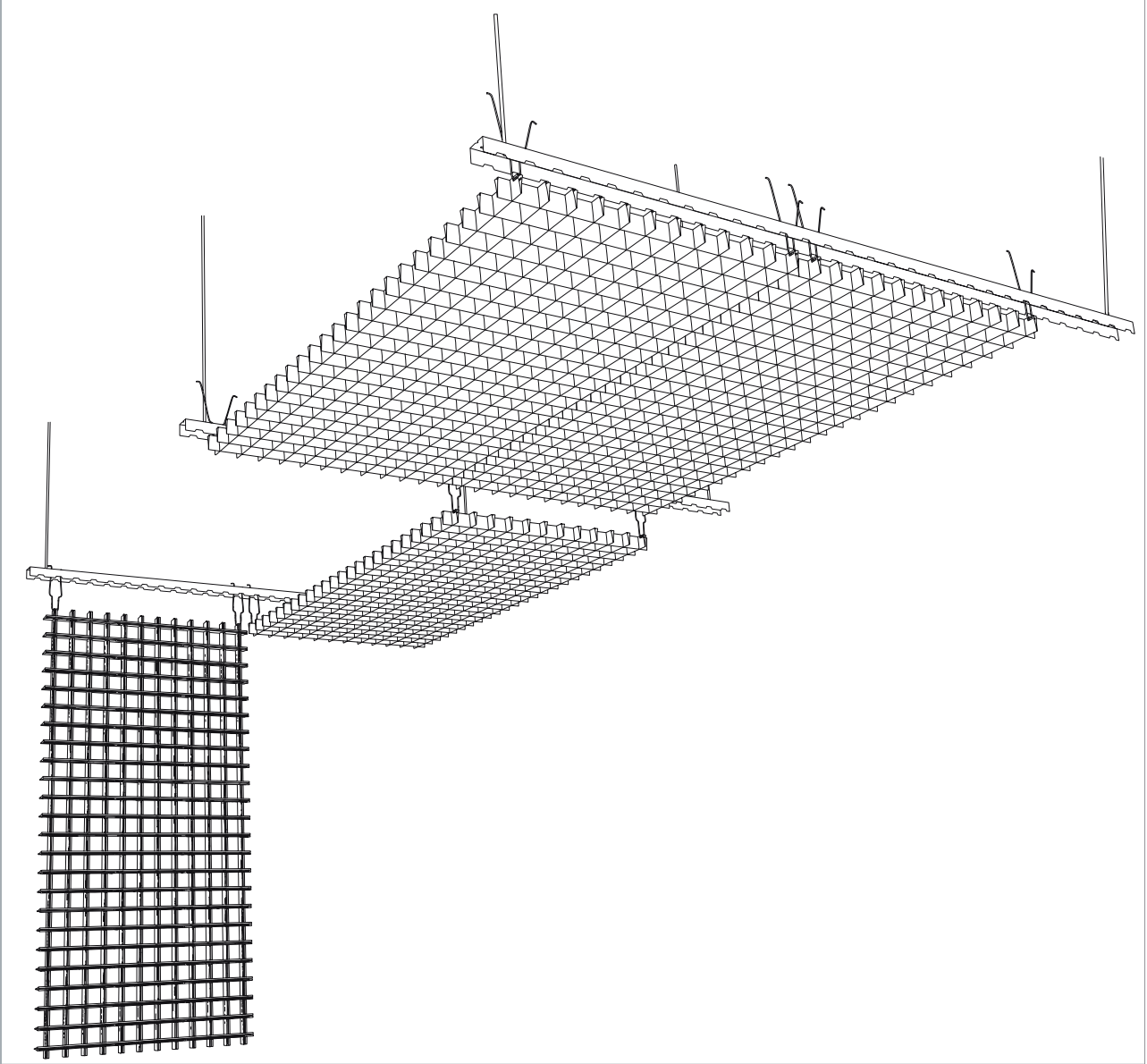
Reflex





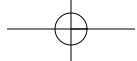
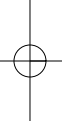
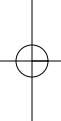
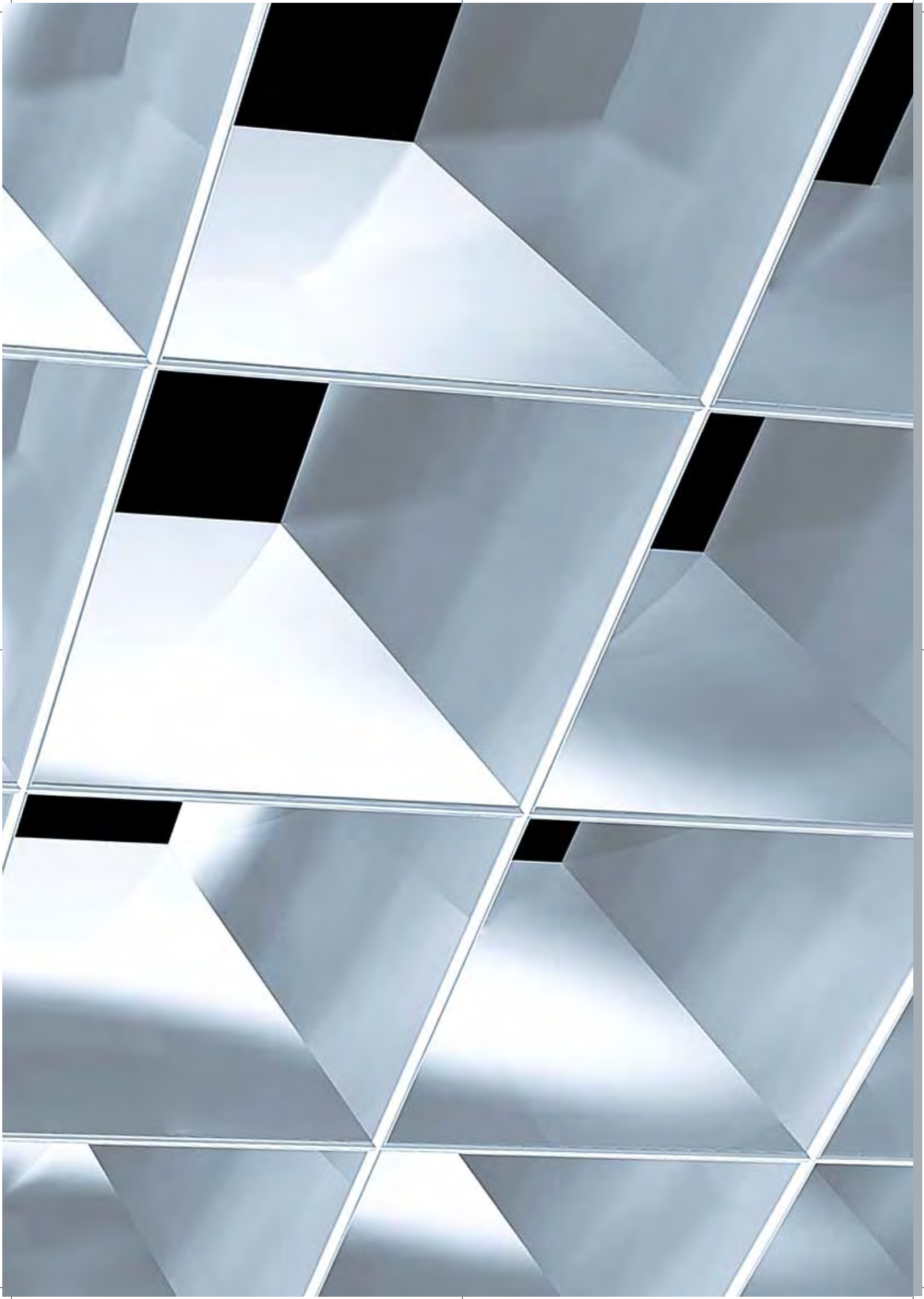
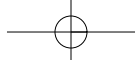
a	b	h
50	50	30
60	60	30
75	75	30

## Delta taşıyıcı sistem - Delta System

Montaj aksesuarları  
Accessories for installation

## Reflex - Delta sistem / Delta system

m <sup>2</sup> sarfiyat tablosu component per sq.m.	birim unit	panel / panel 1200 x 600
D001 taşıyıcı kanal / suspension channel	lm	0,80
D002 taşıyıcı ekleme / coupler	pc	0,28
D003 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80





Reflex petek tavan sistemleri büyüyüp genişlediğinde MAXIREFLEX adını alır.

Aynı "V" biçiminde parabolik şekilli profiller ve kullanılan parlama yapmaz yarı-yansıtıcı, anodize alüminyum hammadde sayesinde MaxiReflex, video terminalleri, showroomlar, mağazalar, bankalar gibi yüksek derecede ışık yoğunluğu gereken alanlar için ideal olmaktadır. MaxiReflex profillerin, hücre ebatlarının ve modüllerin büyümüş halidir.

Yüksek kalitede aydınlatma teknolojisiyle ve mimari tasarımla birlikte uygulanacak bir MaxiReflex petek tavan sistemi, tavan boşluğunda mevcut tekil veya lineer aydınlatma elemanlarına iyi bir ön perde veya ızgara görevi görür.

#### ÖZELLİKLER

100mm yüksekliğinde "V" profillerden müteşekkil MaxiReflex 1200x1200mm'lik modülleri.

Hücre ebatları 100x100mm'den 250x250mm'kadar üretilebilmektedir. Profil yüksekliği 100 mm'dir.

İsteğe bağlı olarak farklı ebatlarda da üretilebilmektedir.

MaxiReflex genellikle parlama yapmaz yarı-yansıtıcı, anodize alüminyumdan veya altın sarısı bitişle sunulur.

Aydınlatma Sistemi; MaxiReflex profilleri direk ya da endirek parlama-yansıma yapmaz.

İzgara tavanın parabolikliği, tavanda oluşabilecek doğrudan parlamayı ve ışık hüzmelerinin yansımalarını engeller.

Aydınlatmaya katkısı sayesinde MaxiReflex doğal ve sanal ışıklandırmada kullanılan difüzörlerin iki misli ölçüsünde katkı sağlar.

Ön boyalı (pre-painted) veya sonradan boyanana (post-painted) alüminyum hammadde kullanılarak üretilebilirler. RAL, NCS, PANTONE ve SIKKENS renk kartellerarından seçilecek renklerle tavanlar çeşitlendirilebilmektedir.

#### TEDARİK ŞEKLİ

MaxiReflex her zaman petek haline getirilmiş hazır olarak teslim edilir.

#### YANGIN DAYANIMI

Alüminyum asma tavan sistemleri uluslararası normlara göre yanmaz sınıftadır.

#### MONTAJ

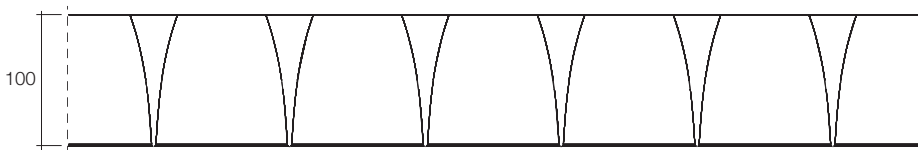
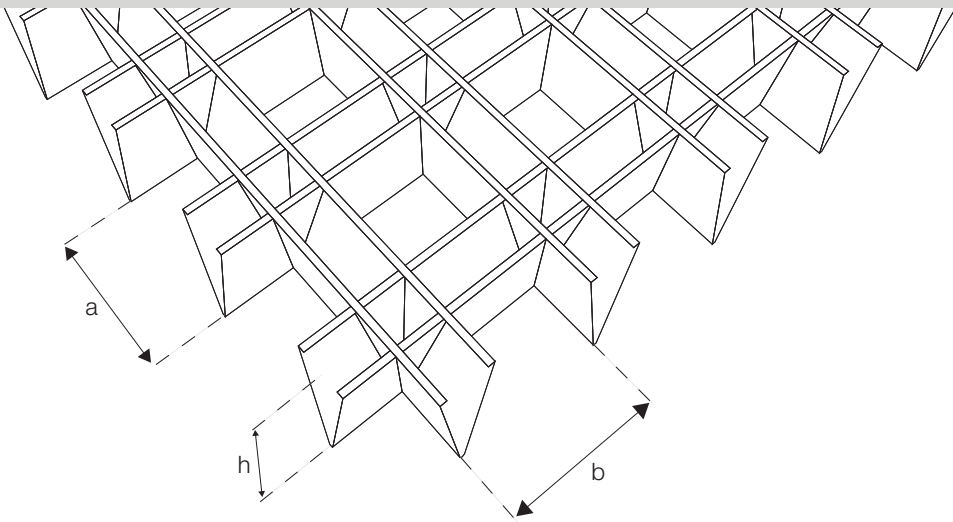
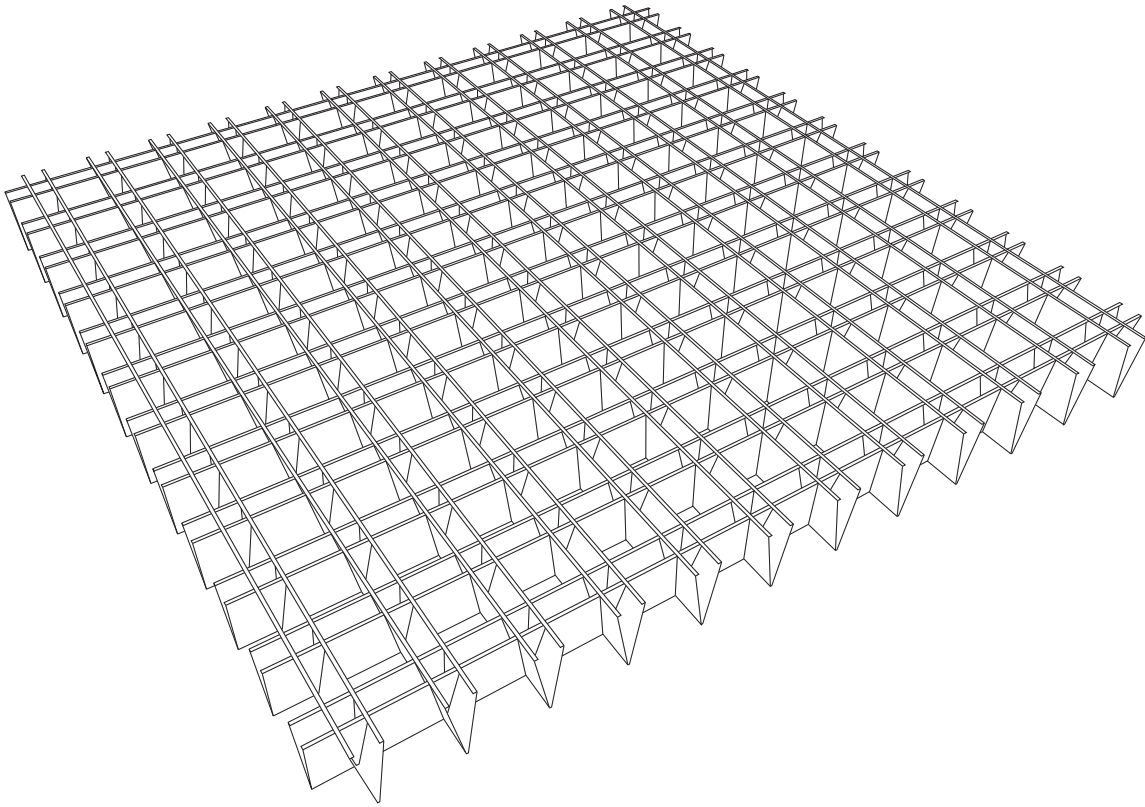
MaxiReflex, tavanda kesintisiz görünüm sunan gizli taşıyıcı sistem ile monte edilir. MaxiReflex modüller, tavan üzerine montaj edilmiş silindirik boru taşıyıcılara asılırlar.

#### ŞARTNAME:

Ürün:	MAXIREFLEX
Tedarik şekli:	Petek haline getirilmiş, hazır.
Malzeme:	0,40mm kalınlıkta alüminyum
Profil kesit :	"V" ve h:100mm
Hücre ebadı:	..x.. mm
Panel ebadı:	1200x1200mm
Yüzey bitiş:	Değişir
Taşıyıcı sistem:	gizli taşıyıcılı MaxiReflex sistem

# Maxi Reflex

Maxi Reflex



a	b	h
100	100	100
150	150	100
200	200	100
250	250	100

Whenever Reflex open cell ceiling grows up, it turns to MAXIREFLEX.

With the same "V" parabolic shape profiles and the same material employed (anti-iridescent semi-specular, anodised aluminium) of Reflex false ceiling, MAXIREFLEX just features the maxi dimension of profiles, cells and panels.

The high quality lighting technology and the great architectural effect make MAXIREFLEX suitable to be also used as simple grid to screen previously existing single or canalised light sources with the greatest screening power, without glare.

#### FEATURES

MAXIREFLEX features 1200x1200 mm modular panels, made of "V" profiles 100 mm high, which suitably assembled form a square cell.

Cell size from 100x100 up to 250x250 mm.

Height 100 mm.

Upon request, special modules and cell sizes are available.

The MAXIREFLEX blades are made by BENDING SYSTEM, which gives:

the accuracy of profiles, more square edges and blades perfectly straight.

MAXIREFLEX is usually supplied in anti-iridescent semi-specular anodised aluminium or gold finish.

Upon request, a wide range of finishes either from pre-painted or post-painted aluminium is also available, according to the RAL, NCS, PANTONE and SIKKENS colours.

#### MAXIREFLEX - LIGHTING SYSTEM

MAXIREFLEX excludes any glare, both direct and indirect.

The special parabolicity of the grill prevents the direct glare and the reflection of lighting on the ceiling surface.

Thanks to its lighting technology, MAXIREFLEX has the double effect of a diffuser for artificial lighting and a diffuser for natural light, with energy saving.

#### SUPPLY FORM

MAXIREFLEX is always supplied assembled.

#### FIRE REACTION

Ceir open cell ceilings are classified incombustible in compliance with international standards.

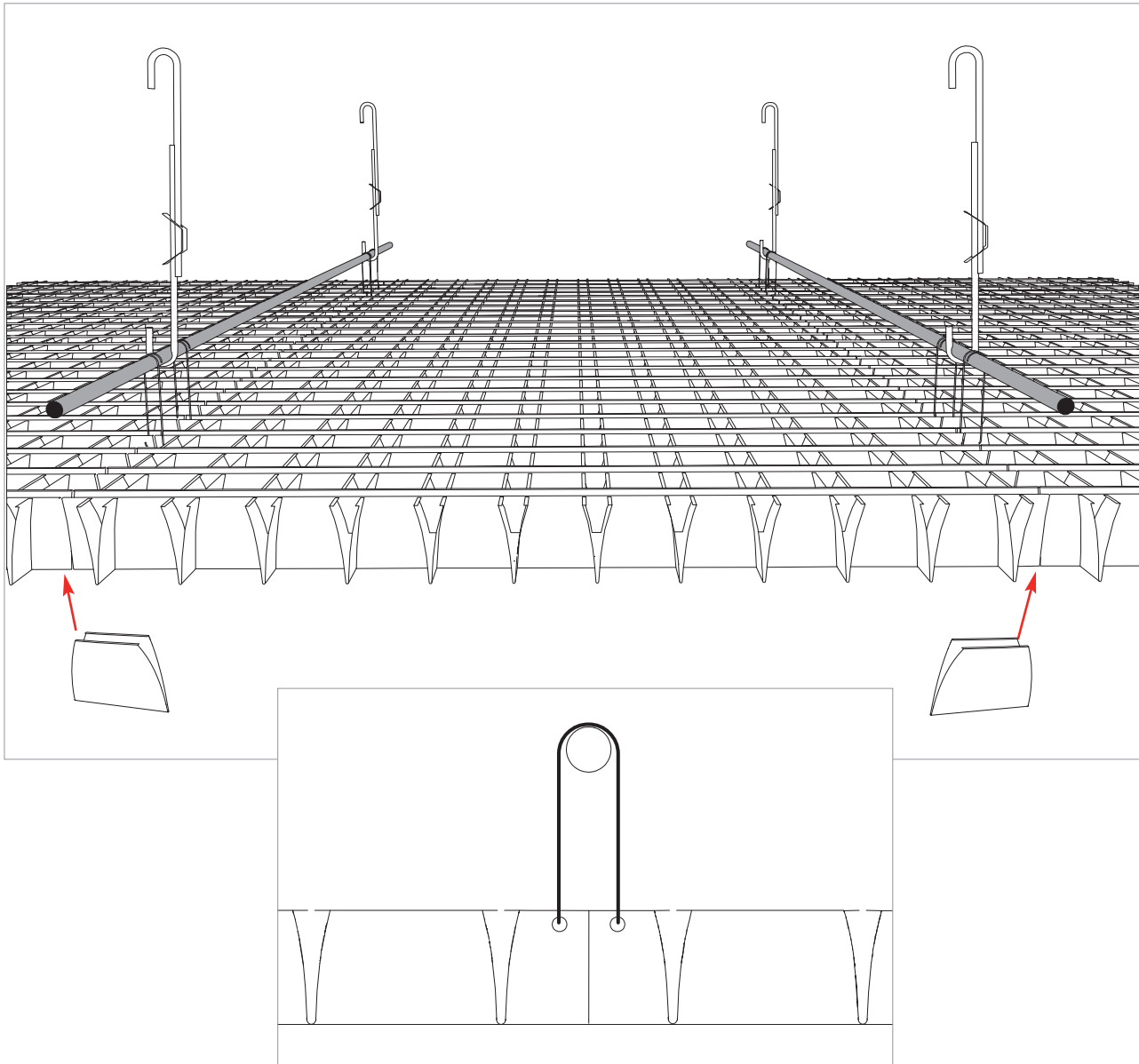
#### INSTALLATION

MAXIREFLEX is suspended from a concealed suspension system giving a trackless appearance. The concealed Maxi reflex system, by which the panels are hanged to a tube placed above the ceiling, allows for easy and fast placement or removal of the panels.

#### SPECIFICATION

Product:	MAXIREFLEX
Supply form:	assembled panels
Material:	0,40 mm. th. aluminium
Section blade:	"V", h100 mm.
Cell size:	...x... mm.
Panel size:	1200x1200 mm. (standard)
Finish:	...
Suspension:	concealed Maxi reflex system by tube
Quantity:	... sq.m.

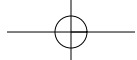




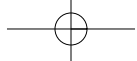
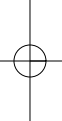
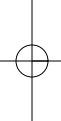
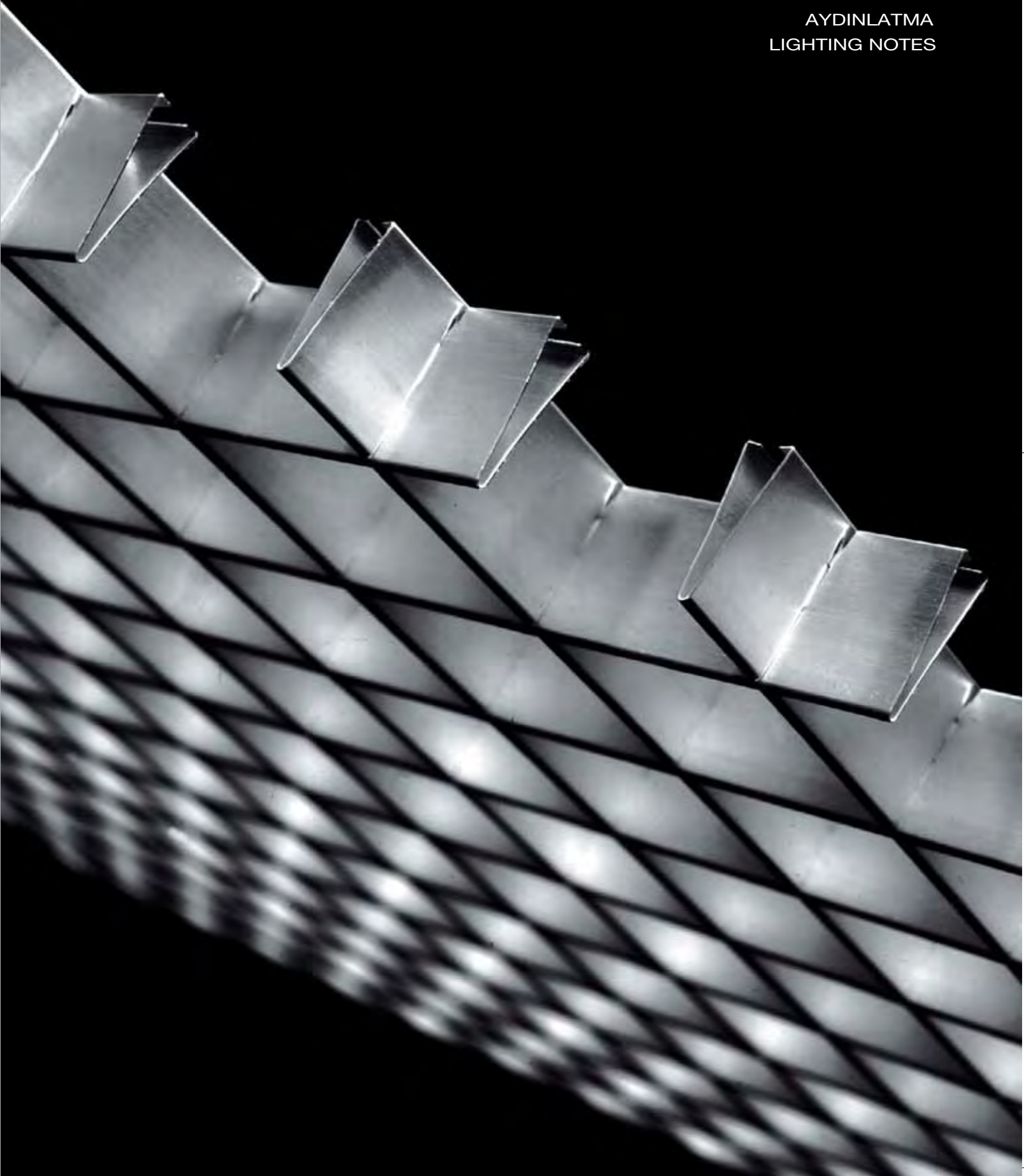
Montaj aksesuarları  
Accessories for installation

Maxi reflex - Maxi reflex sistem / Maxi reflex system

	m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200 x 1200
R001 askı tiji / rod		pc	0,70
R002 yay / spring		pc	0,70
R003 kanca / hook		pc	0,70
R004 panel taşıyıcı kanca / panel suspension hook		pc	5,56
R016 askı borusu / tube		lm	0,80
R046/MR bağlantı aparatı (maxi reflex) / connection bracket (maxi reflex)		pc	8



AYDINLATMA  
LIGHTING NOTES



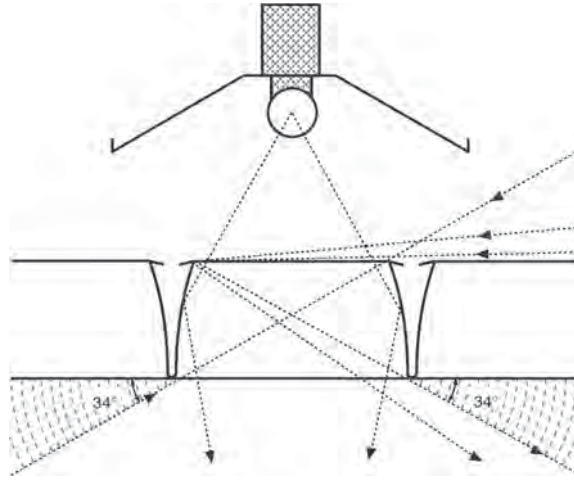
Aydınlatmada konfor elde edebilmek için, doğrudan ya da dolaylı parlamayı, yansımayı ve göz alıcı unsurları ortadan kaldırmak gerekir. REFLEX ve MAXIREFLEX ürünleri, bu konuda gerekli ihtiyacı karşılamaktadır. Petek tavanı oluşturan profillerin 34° açığa kadar paraboliklikleri sayesinde doğrudan parlamaya ve ışık akınının neredeyse dikey olduğu tavanda bulunan ışık kaynağının yansıması engellenir.

İnsanların yoğun çalıştığı video terminalleri gibi alanlarda ışık refleksi olmaz.

Bununla beraber, ışık kaynaklarının optimum kullanımıyla elde edilen mükemmel bir aydınlatma ve kullanılan ışık tekniği ile ortamda kayda değer bir enerji tasarrufu elde edilebilir.

In order to get the best comfort it is necessary to exclude any glare, both direct and indirect.

REFLEX and MAXIREFLEX easily meet these characteristics even in the critic areas within the field of vision. Up to a 34° angle the parabolicity of the grid prevents the direct glare and the reflection of lighting sources on the ceiling surface where the luminous flux flows almost vertically. No reflex lighting is obtained in rooms where people work at video terminals and a quality lighting with a better contrast reproduction. Furthermore the excellent lighting and technical features allow for remarkable energy saving thanks to the optimal exploitation of the lighting sources.



#### SÜREKLİ IN-LINE AYDINLATMA KAYNAKLARI

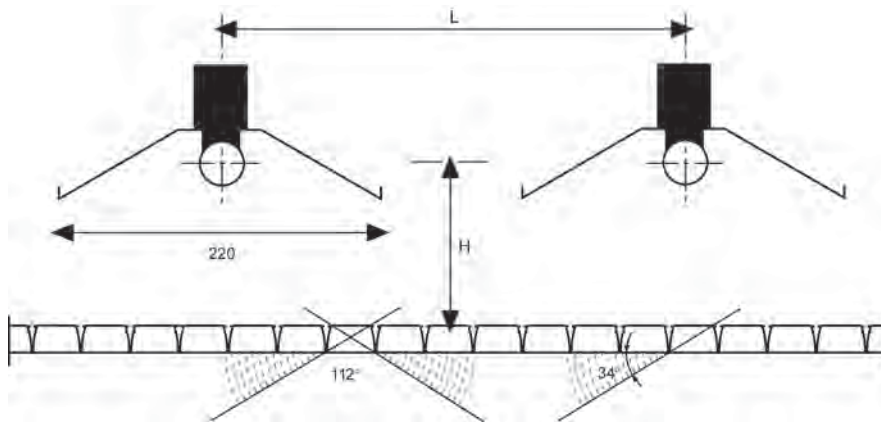
Özel büyük ışık akı reflektörleri kullanılarak, tavan kotunun ve asma tavan boşluğunun çok sınırlı olduğu alanlarda dahi tavan tamamen homojen olarak aydınlatılabilir.

Yarı-yansıtıcı anodize gümüş gri alüminyum profillerle oluşturulmuş bir asma tavanda yeknesak bir tavan ışığı elde edebilmek için aynı ekseninde sürekli devam eden ( $H / L > 0.3$  olacak şekilde) floresan aydınlatma elemanları kullanılması tavsiye edilmektedir.

#### CONTINUOUS IN-LINE LIGHTING SOURCES

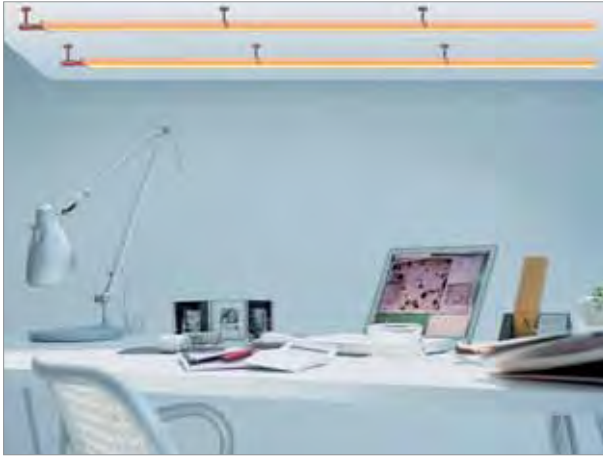
With the used of special large flux reflectors, the ceiling can be uniformly lighted even with the smallest heights of suspension.

In order to get a uniform luminance of the false ceiling with semi-specular anodised silver, it is advisable to install fluorescent continuous in-line lighting sources respecting the following value:  $H / L > 0.3$ .

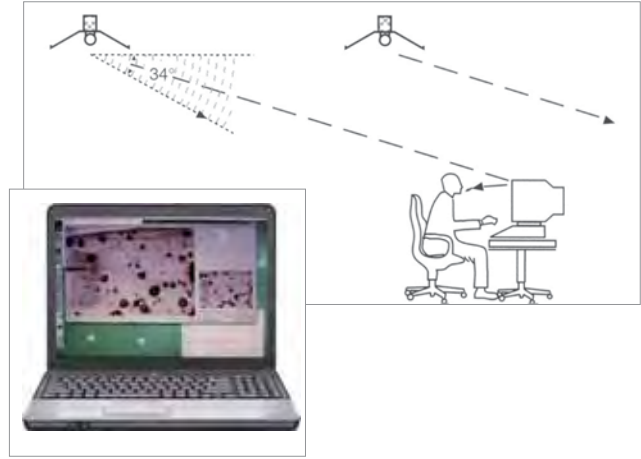


## REFLEX SİSTEMİ OLMADIĞINDA

## SETTING WITHOUT REFLEX SYSTEM



Ekranda yansımalar ve noktasal karartılar belirmekte ve çalışmayı zorlaştırmaktadır.



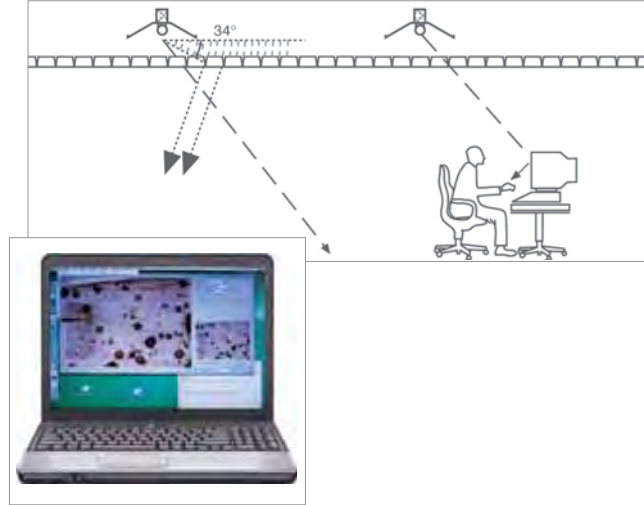
Reflexes and spots on the screen make working difficult and hard because of direct glare.

## REFLEX SİSTEMİ OLDUĞUNDA

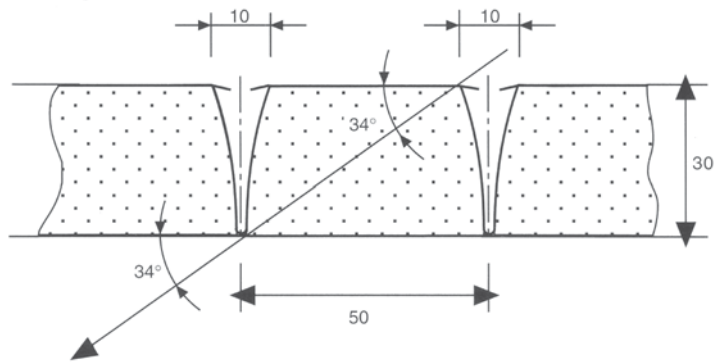
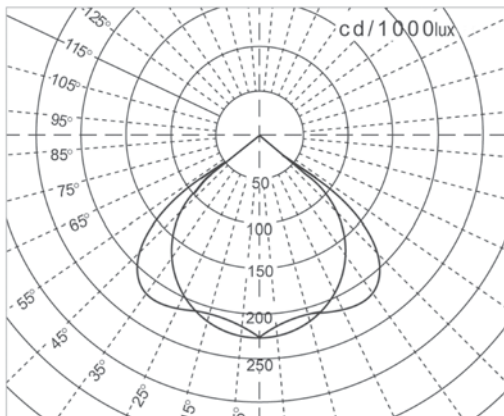
## SETTING WITH REFLEX SYSTEM



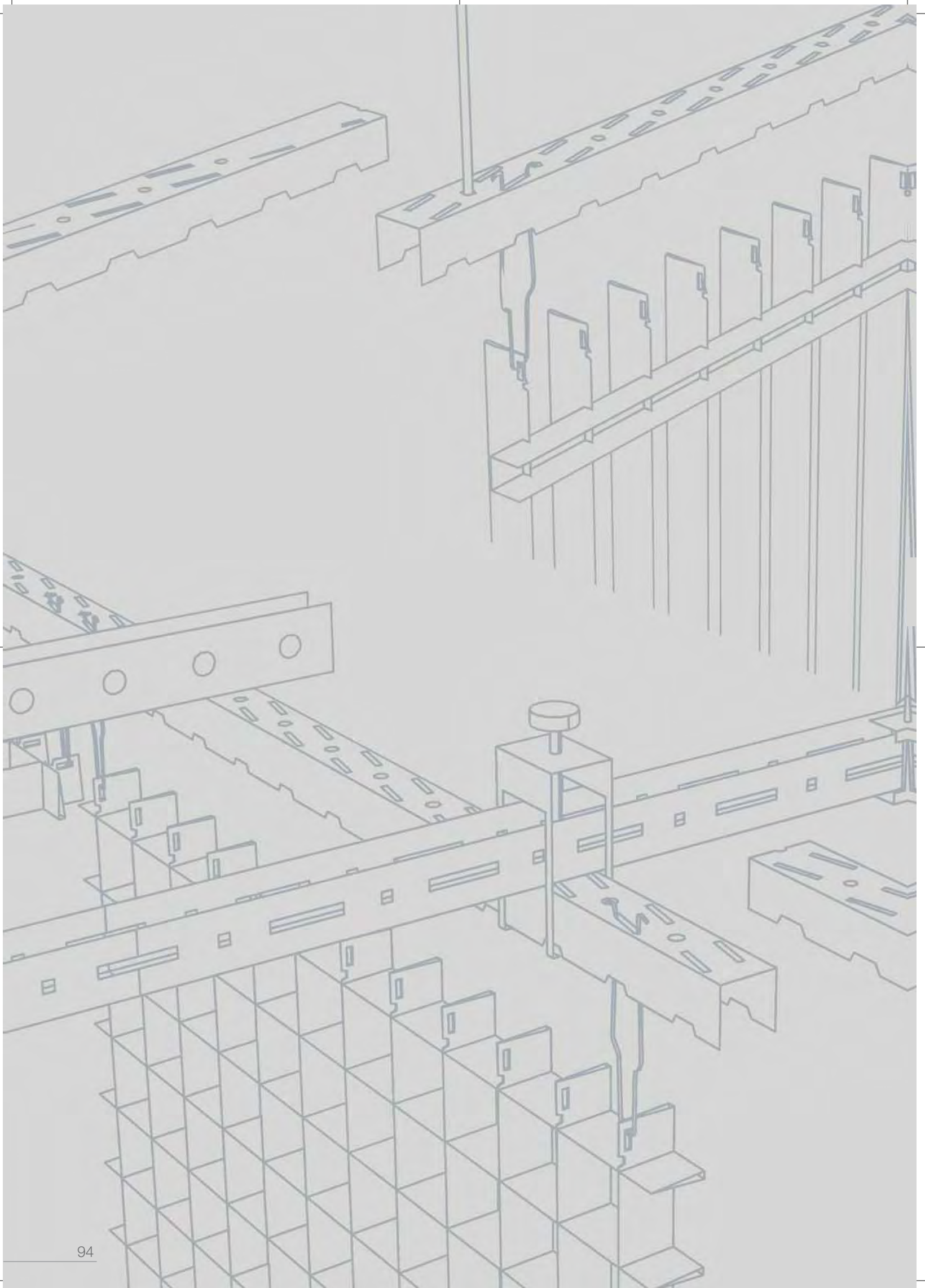
Doğru aydınlatma çalışmayı kolaylaştırır ve göz yorgunluğunu engeller.

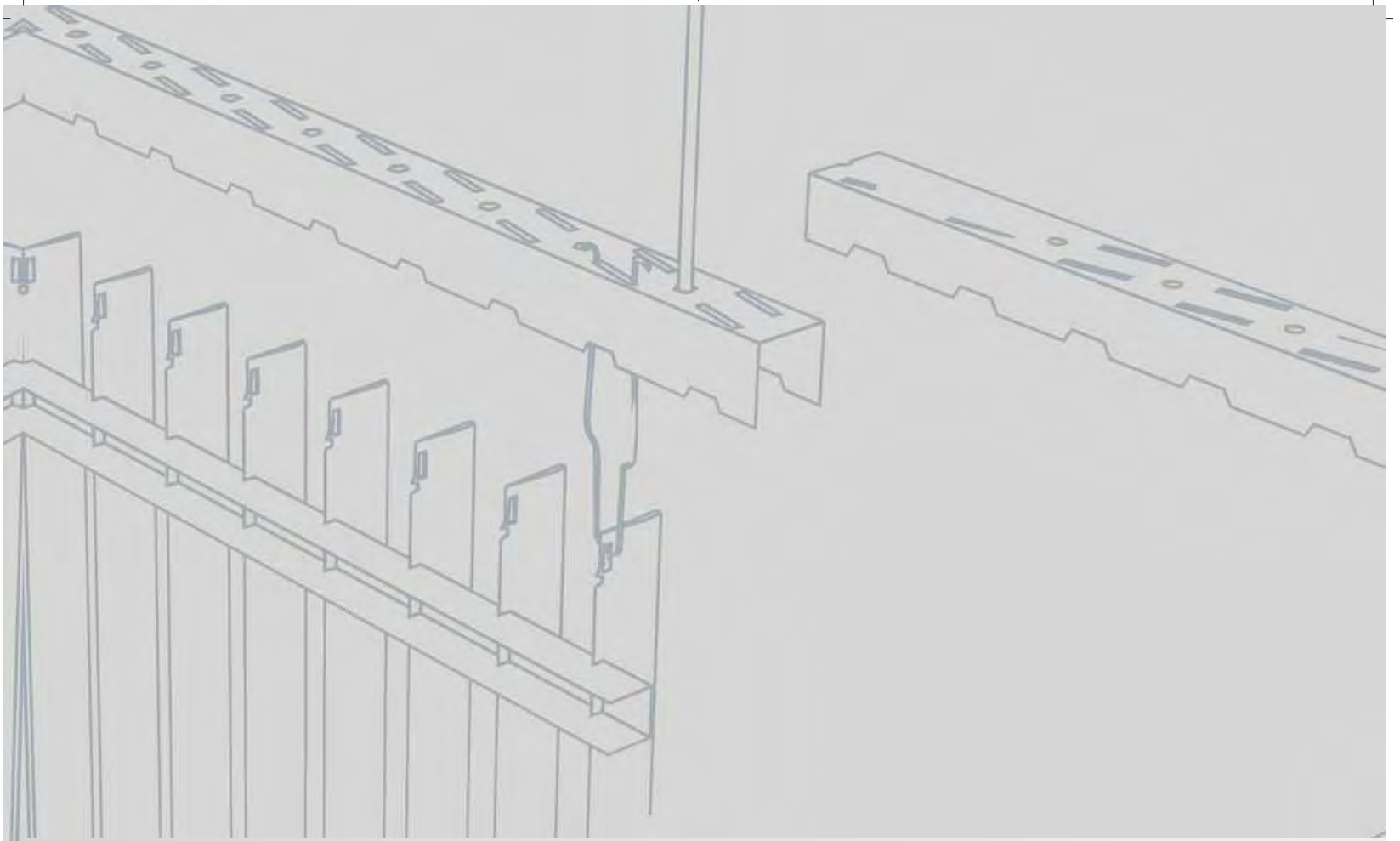


Correct lighting makes working easy avoiding eye-straining.

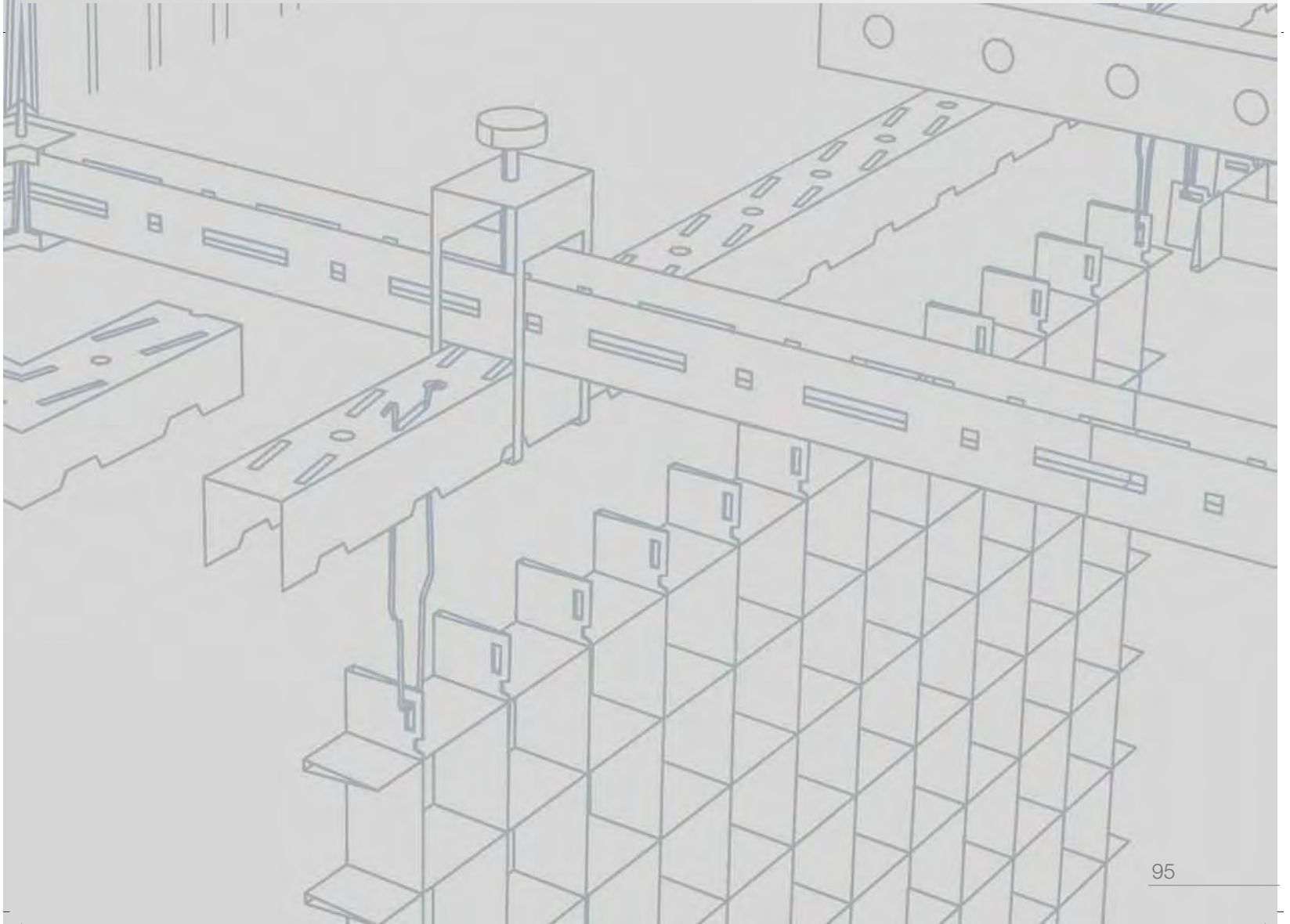


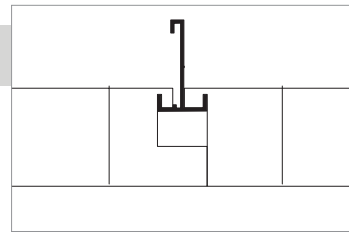




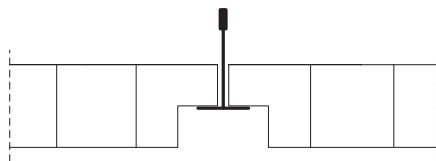
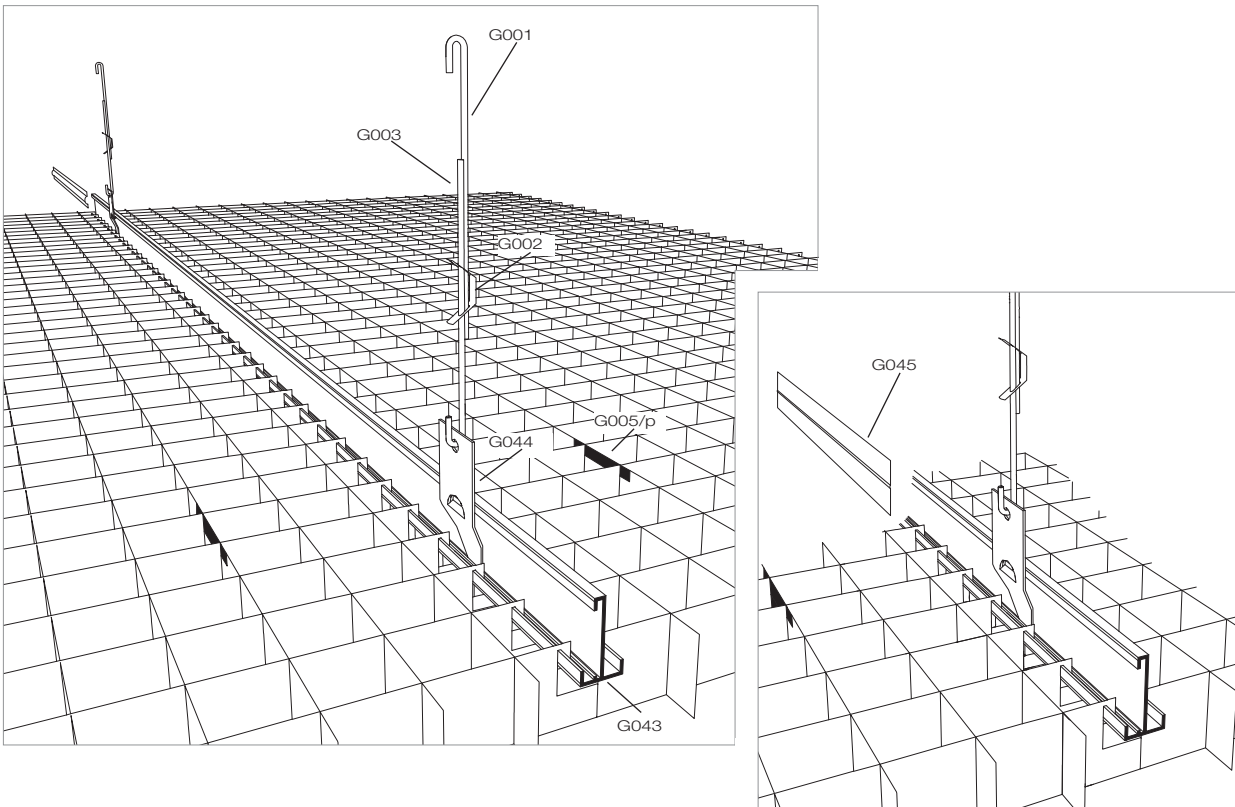
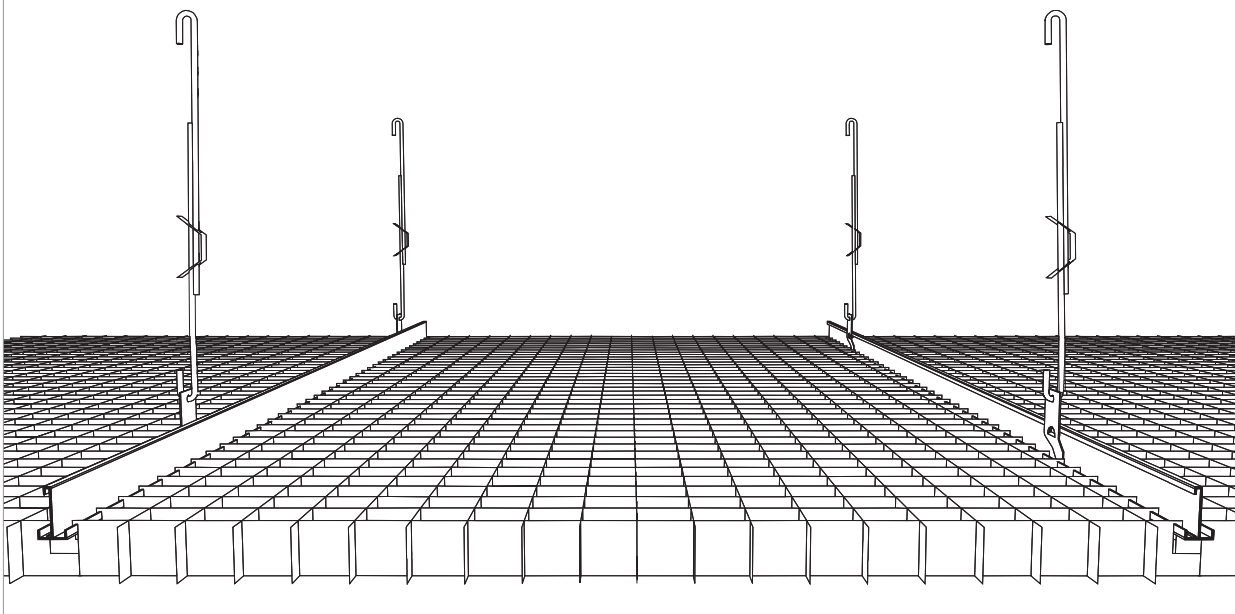


TAŞIYICI SİSTEMLER VE AKSESUARLARI  
MOUNTING SYSTEMS and ACCESSORIES

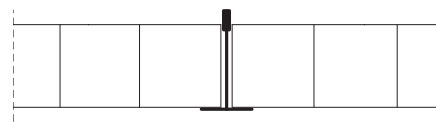




Grigliati - sistem A / system A

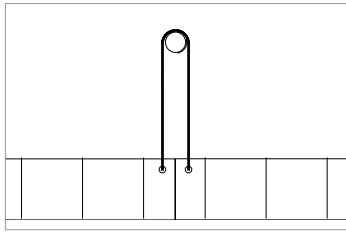


lay-in sarkmali sistem  
to lay-in system

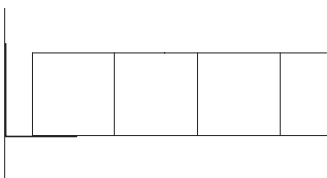
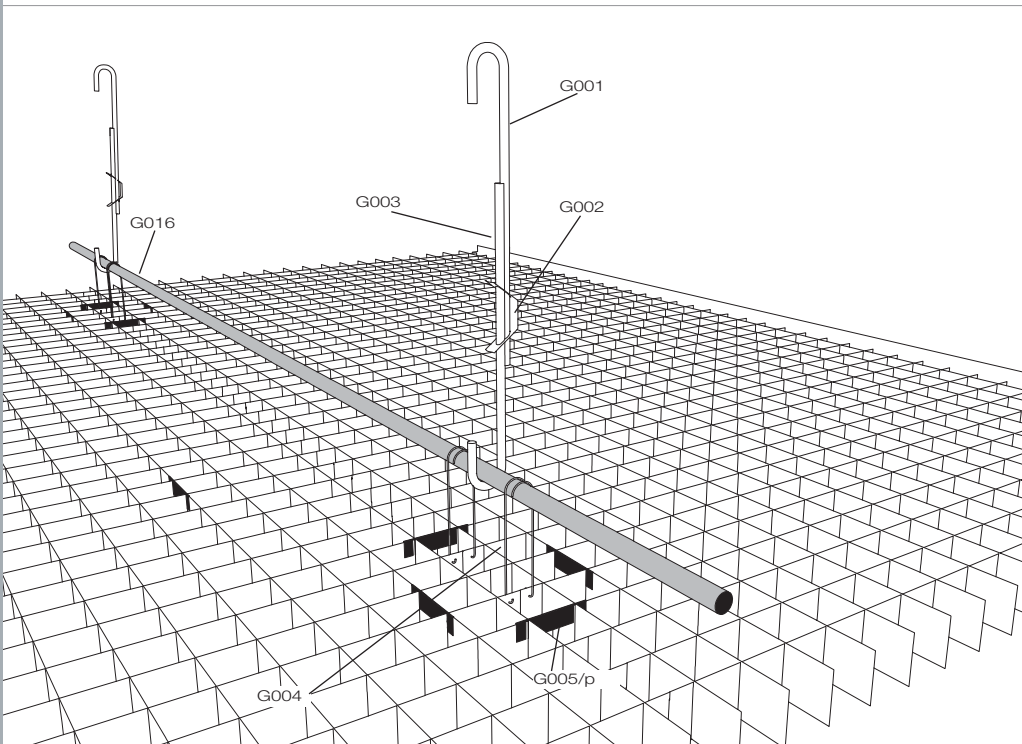
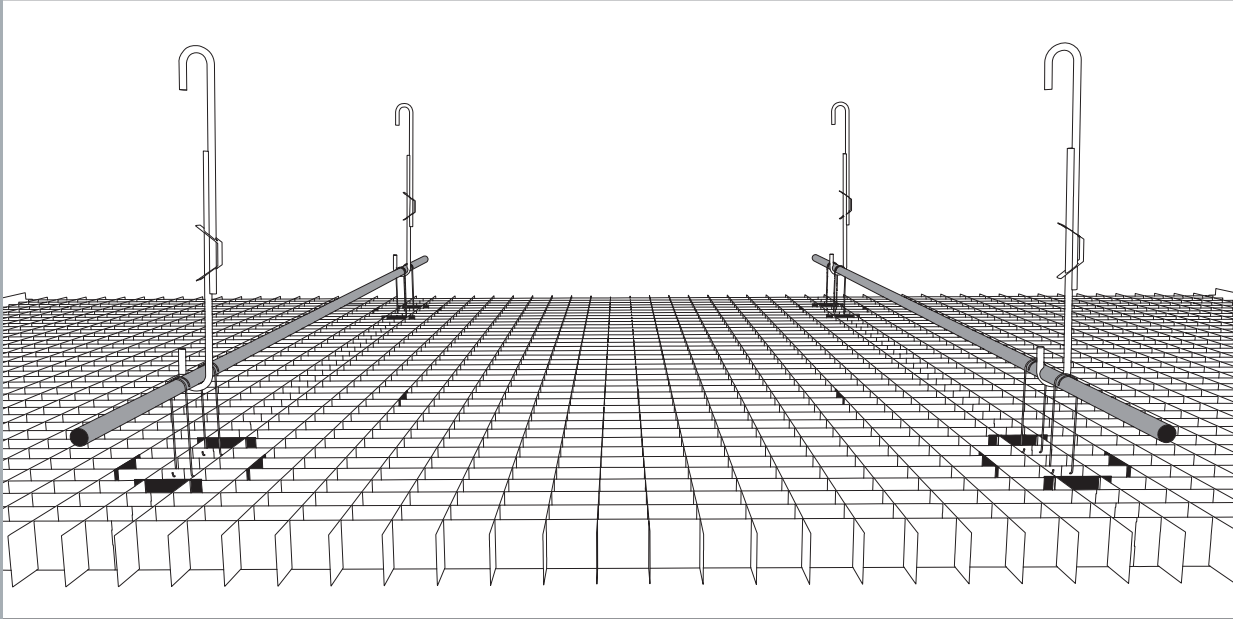


lay-on oturmali sistem  
to lay-on system

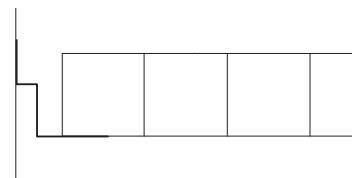




Grigliati - sistem B / system B



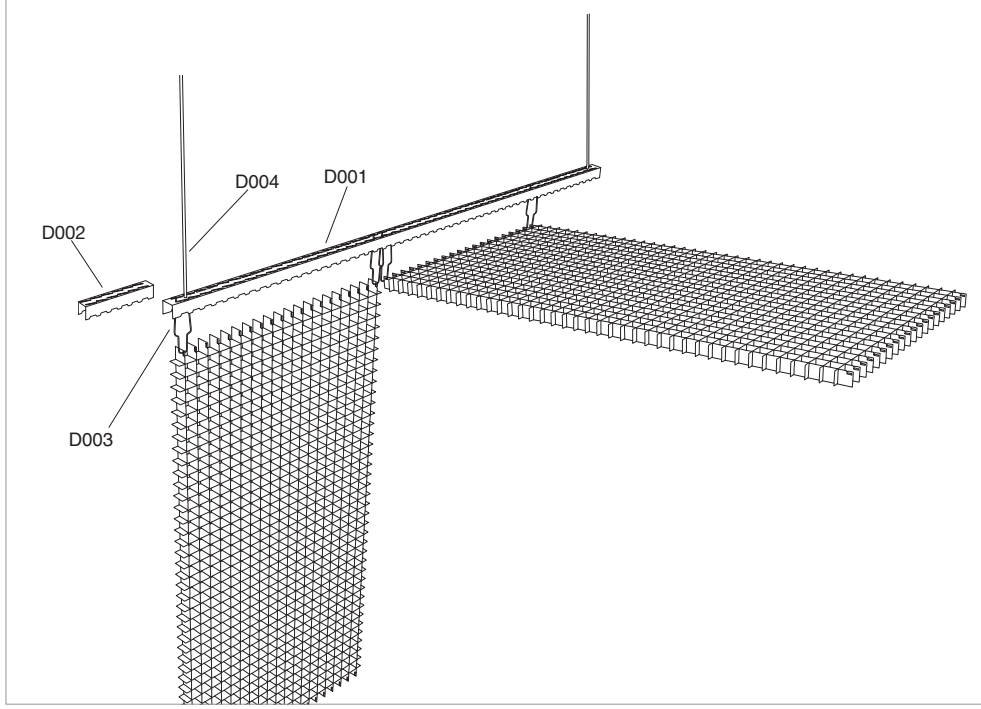
L köşebent  
"L" shape perimeter profile



Z köşebent  
double "L" shape perimeter profile



Grigliati - Delta sistem / Delta system



Montaj aksesuarları  
Accessories for installation

Grigliati - sistem A / system A

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200X600
G001 tij / rod	pc	0,70
G002 yay / spring	pc	0,70
G003 kanca / hook	pc	0,70
G005/p bağlantı aparatı / connection bracket	pc	4,90
G043 "T" taşıyıcı profil / "T" profile	lm	0,70
G044 askı aparatı / suspension bracket	pc	0,70
G045 "T" taşıyıcı profil ekleme / splicer for "T" profile	pc	0,70

Grigliati - sistem B / system B

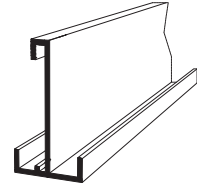
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200X600
G001 tij / rod	pc	0,70
G002 yay / spring	pc	0,70
G003 kanca / hook	pc	0,70
G004 panel taşıyıcı kancası / panel suspension hook	pc	4,95
G005/p bağlantı aparatı / connection bracket	pc	9,80
G016 askı borusu / tube	lm	0,70

Grigliati - Delta sistem / Delta system

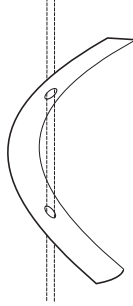
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200X600
D001/3 taşıyıcı kanal / suspension channel	lm	0,80
D002/3 ekleme / coupler	pc	0,28
D003/3 yay / spring	pc	5,56
D004 tij / rod	pc	0,80



G001  
tij  
rod



G043  
"T" taşıyıcı profil  
"T" profile



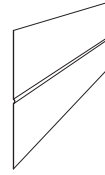
G002  
yay  
spring



G044  
askı aparatı  
suspension bracket



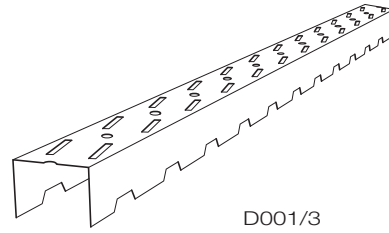
G003  
kanca  
hook



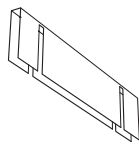
G045  
"T" taşıyıcı profil ekleme  
splicer for "T"



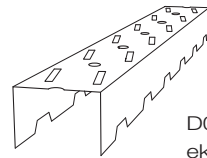
G004  
panel taşıyıcı kancası  
panel suspension hook



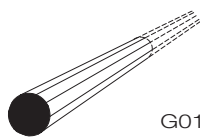
D001/3  
taşıyıcı kanal  
suspension channel



G005/p  
bağlantı aparatı  
connection bracket



D002/3  
ekleme  
hook

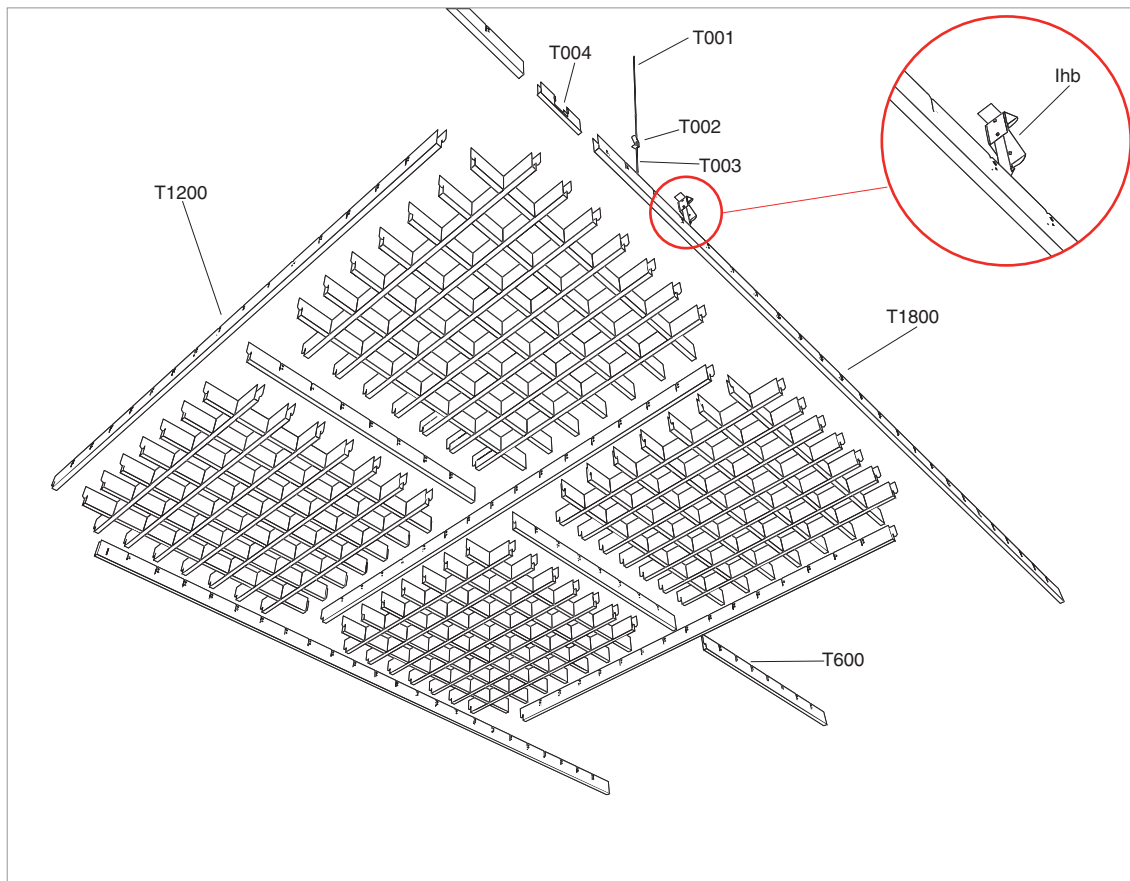


G016  
askı borusu  
tube

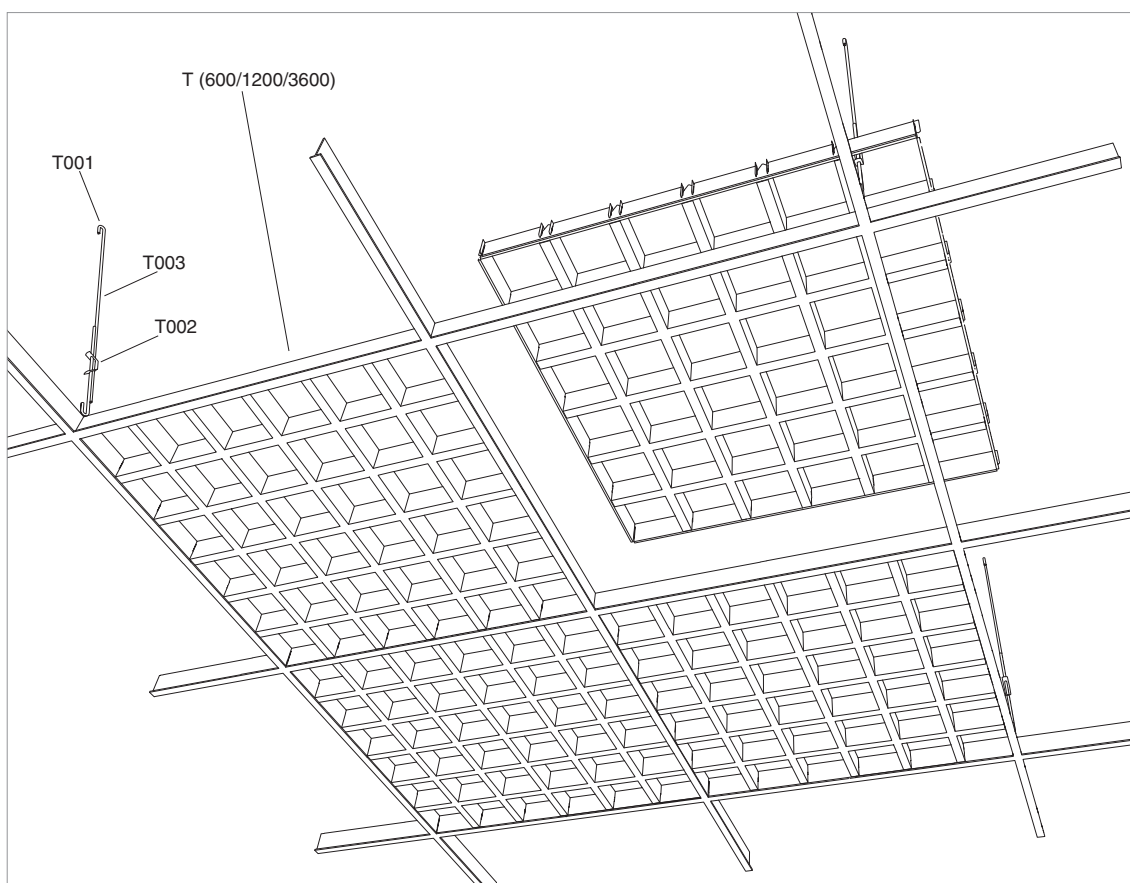


D003/3  
yay  
spring

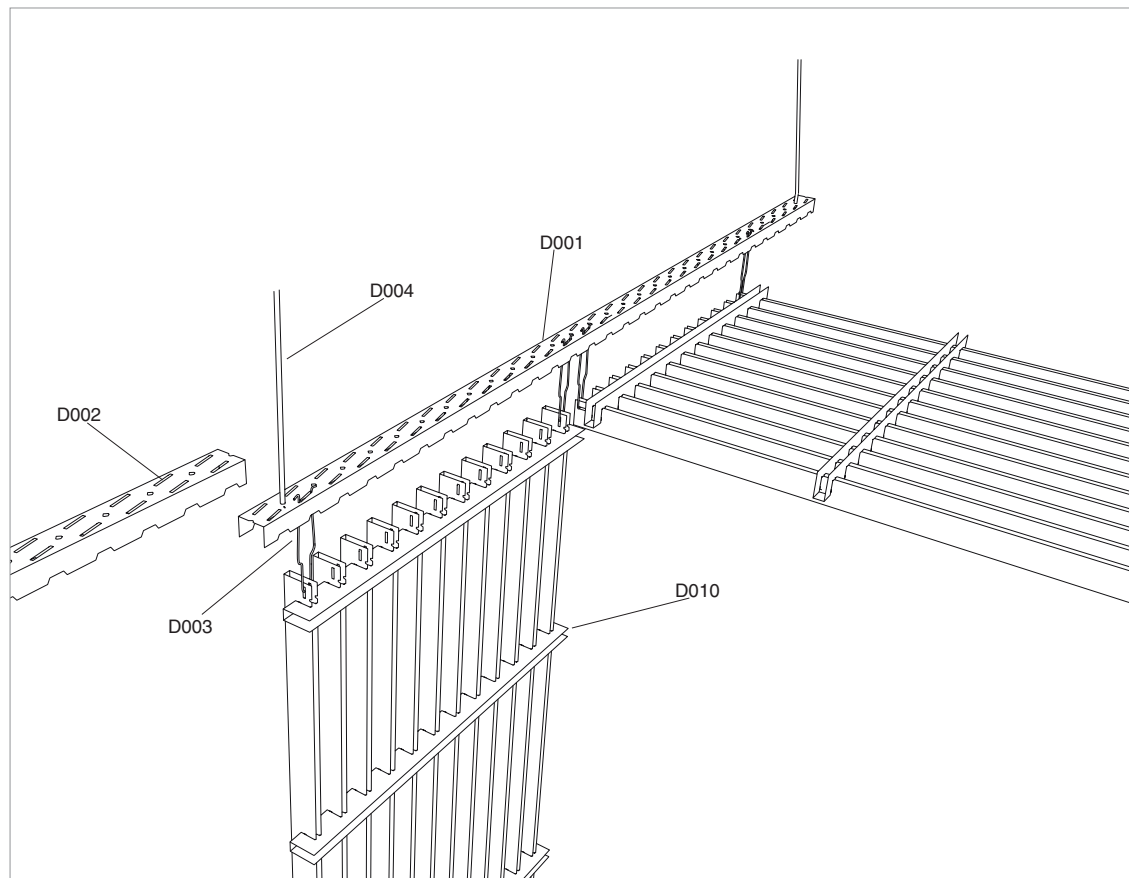
Tetrál b - Tetrál sistem / Tetrál system



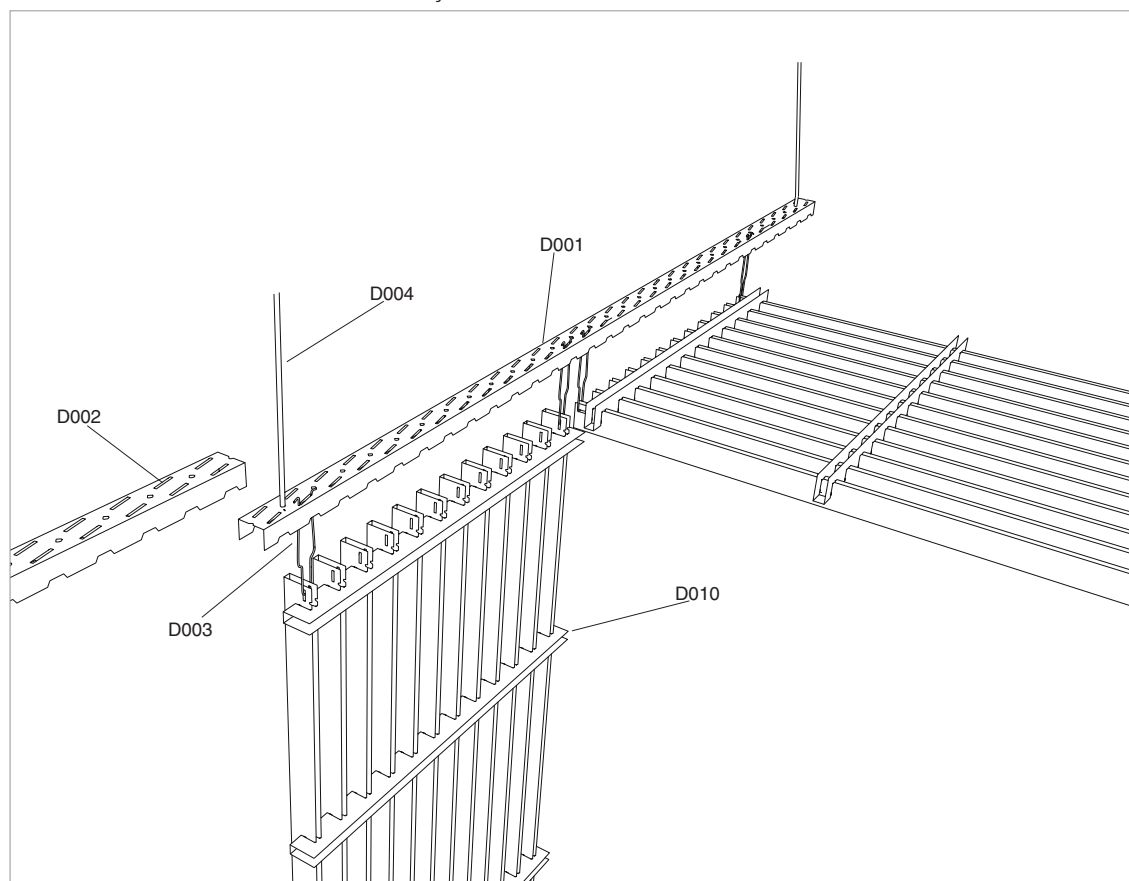
Tetrál s / Tetrál inverse on T-grid - T15 o T24 oturmali sistem / system on T15 or T24



Tetrál Line - Delta sistem / Delta system



Tetrál Inverse - Delta sistem / Delta system





## Tetrál

Montaj aksesuarları  
Accessories for installation

## Tetrál b - Tetrál sistem / Tetrál system

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	hücre 30-66 cell 30-66	hücre 75-300 cell 75-300	panel panel
T001 askı tiji / rod	pc	2,00	1,00	600 x 600
T002 yay / spring	pc	2,00	1,00	600 x 600
T003 kanca / hook	pc	2,00	1,00	600 x 600
T004 T1800 için ekleme / splicer for T1800	pc	0,94	0,47	600 x 600
T1800 ana taşıyıcı / main runner	pc	0,94	0,47	600 x 600
T1200 tali taşıyıcı / cross runner	pc	•	1,38	600 x 600
T600 tali taşıyıcı / cross runner	pc	2,70	1,38	600 x 600

## Tetrál s / Tetrál inverse on T-grid - T15/T24'e oturtulmuş sistem / system on T15 or T24

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 600 x 600
T001 askı tiji / rod	pc	0,70
T002 yay / spring	pc	0,70
T003 kanca / hook	pc	0,70
T3600 ana taşıyıcı L 3600 / L 3600 profile	pc	0,23
T1200 tali taşıyıcı L1200 / L1200 profile	pc	1,38
T600 tali taşıyıcı L 600 / L 600 profile	pc	1,38

## Tetrál Line - Delta sistem / Delta system

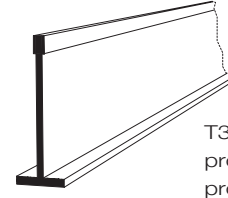
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200 x 600
D001/10 ana taşıyıcı kanal / suspension channel	lm	0,80
D002/10 ana taşıyıcı ekleme / coupler	pc	0,28
D003/10 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80
D010 panel destek profili / panel support bridge	pc	5,56

## Tetrál Inverse - Delta sistem / Delta system

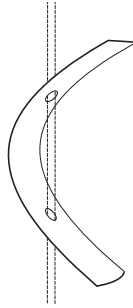
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200 x 600
D001/15 ana taşıyıcı kanal / suspension channel	lm	0,80
D002/15 ana taşıyıcı ekleme / coupler	pc	0,28
D003/15 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80



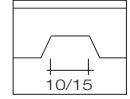
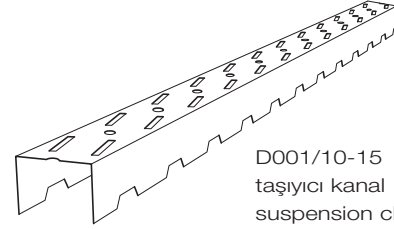
T001  
askı tiji  
rod



T3600/1200/600  
profil 3600, 1200 ve 600  
profile 3600, 1200 and 600



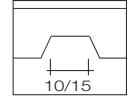
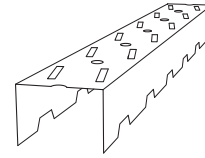
T002  
yay  
spring



D001/10-15  
taşıyıcı kanal  
suspension channel



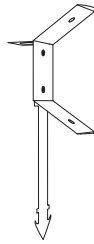
T003  
kanca  
hook



D002/10-15  
taşıyıcı ekleme  
coupler



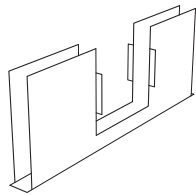
IHB  
"I" askı aparatı  
"I" hanger bracket



IHB  
"I" yaylı askı aparatı  
"I" hanger bracket with spring



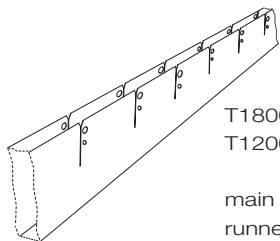
D003/10-15  
klips  
spring



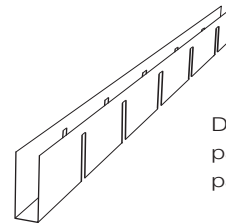
T1800 için ekleme  
splicer for T1800



D004  
tij  
rod



T1800 Ana taşıyıcı ve  
T1200/600 tali taşıyıcı  
main runner 1800 and cross  
runner 1200/600



D010  
panel destek profili  
panel support bridge

## DELTA TAŞIYICI SİSTEM

**Panelleri demonte etmek için çok büyük kolaylık.**

Delta taşıyıcı sistem, panellerin kolaylıkla montaj ve demontajına imkan sağlamaktadır. Özel taşıyıcı sistem elemanları sayesinde panellerin aşağı yönlü demontajı mümkündür, bu da asma tavan boşluğunda gizlenen servis elemanlarına sık erişim ihtiyacı olduğunda uygulamacılara önemli bir kolaylık sağlamaktadır. Taşıyıcı sistemi kendi içinde gizleyen bu sistem, 1200x600mm modüllerin birbirine özel bir biçimde bağlanmasıyla oluşturulur ve iki farklı şekilde sunulur:

Standart delta sistem

Çift konstrüksiyon delta sistem

Çift konstrüksiyon Delta sistem çok sağlam ve rijid bir taşıyıcı sistem oluşturmaktadır.

Özellikle yürüyüş koridorları ve tavan boşluğuna sık erişim gereken dış mekanlar için uygun ve kullanışlıdır.

Her iki çözümde de taşıyıcı sistem gizlidir ve her modül birbirinden bağımsız olarak aşağı yönlü demonte edilebilmektedir.

Ekleme parçalarının arasında kalan ve aşağıdan bakıldığında görünmeyen özel askı aparatlarıyla paneller demonte edilirken bir kenarından aşağı doğru sarkıtılır. Modüller kısa kenarından (600mm) sarkıtılır ve uzun kenarı ölçüsü kadar (1200mm) aşağıya doğru sarkık olarak durur. İhtiyaca göre modüller uzun kenarından sarkıtılacak şekilde de üretim yapılabilmektedir.

Minimum tavan boşluğu:

Standart delta sistem ile : 80mm

Çift konstrüksiyon delta sistem ile : 150mm

## DELTA SUSPENSION SYSTEM

**The greatest simplicity in the demounting system for all Ceir open cell ceilings.**

The Delta suspension system allows for easy placement and removal of the panels.

Thanks to its special suspension components, the Delta suspension system allows for demounting of panels from below, offering a superior accessibility to the plenum for maintenance crews after installation, especially in case of smallest heights of plenum. The concealed suspension is normally dimensioned for 1200x600 mm modular panels and is provided in two variations:

Standard system

Double structure system

The Double structure system ensures a very stable and robust open cell ceiling.

It is particularly well suited to outdoor use, such as passing areas and where a periodic access to the plenum is required.

In both solutions, the suspension is concealed giving a trackless appearance and each panel is fully downward demountable.

Using special springs, the panels are hanged to suspension channels, which placed over and connected by couplers, will disappear when looking at the ceiling from below.

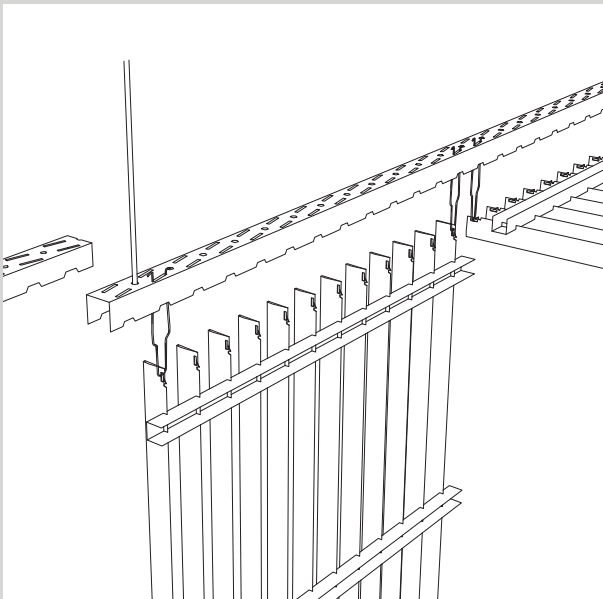
The panels swing down from the short side (600 mm) and remain suspended at full length (1200 mm). Upon request, hinge-down from the long side (1200 mm) is possible too.

Minimum free space required:

- with standard system: 80 mm.
- with double structure system: 150 mm.

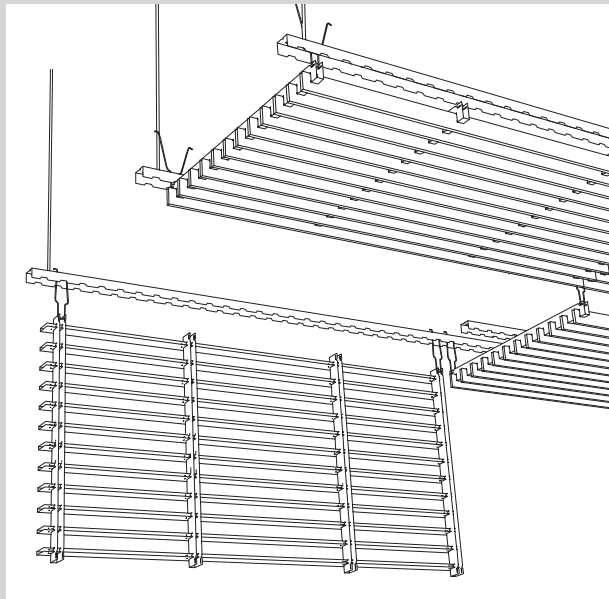
Panel kısa kenarından sarkıtılır (standart)

Demountable from the short side of panel (standard)

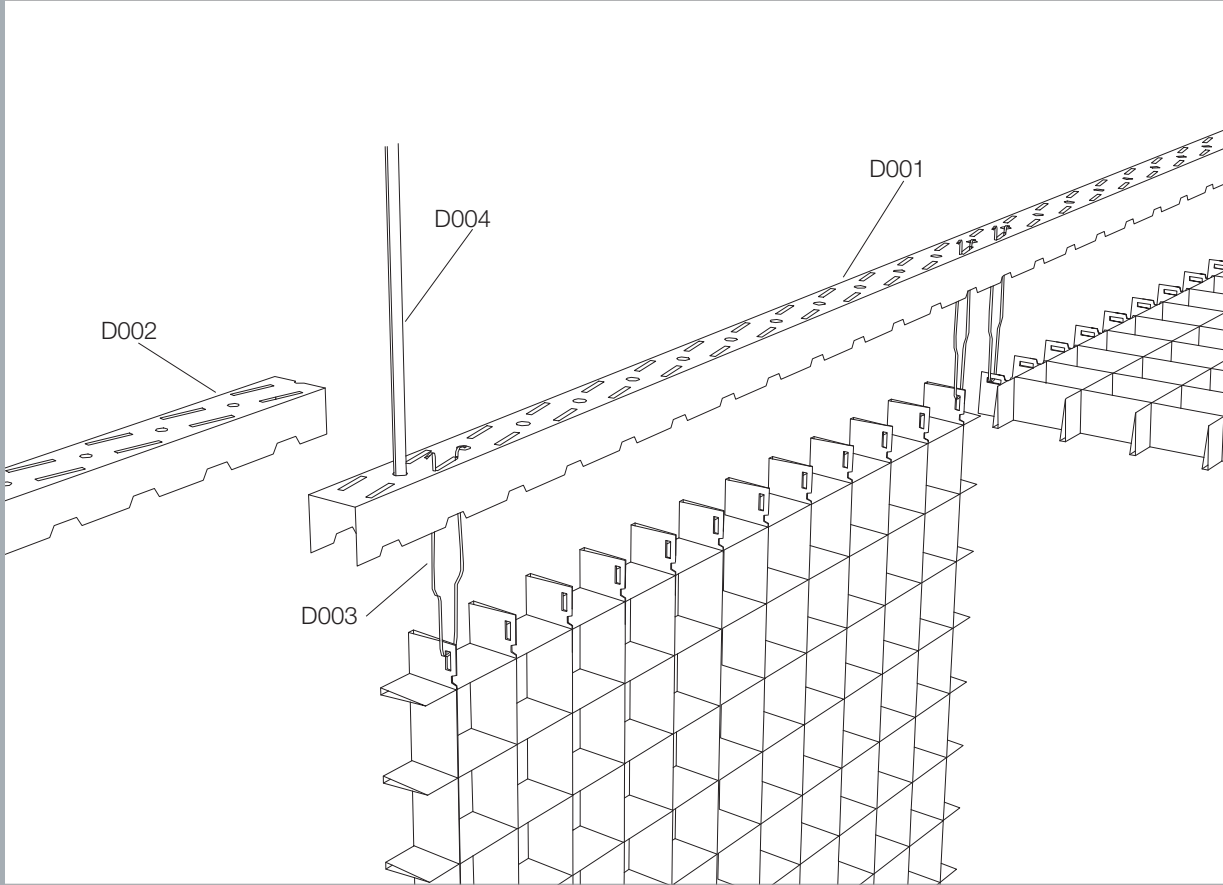


Panel uzun kenarından sarkıtılır (opsiyonel)

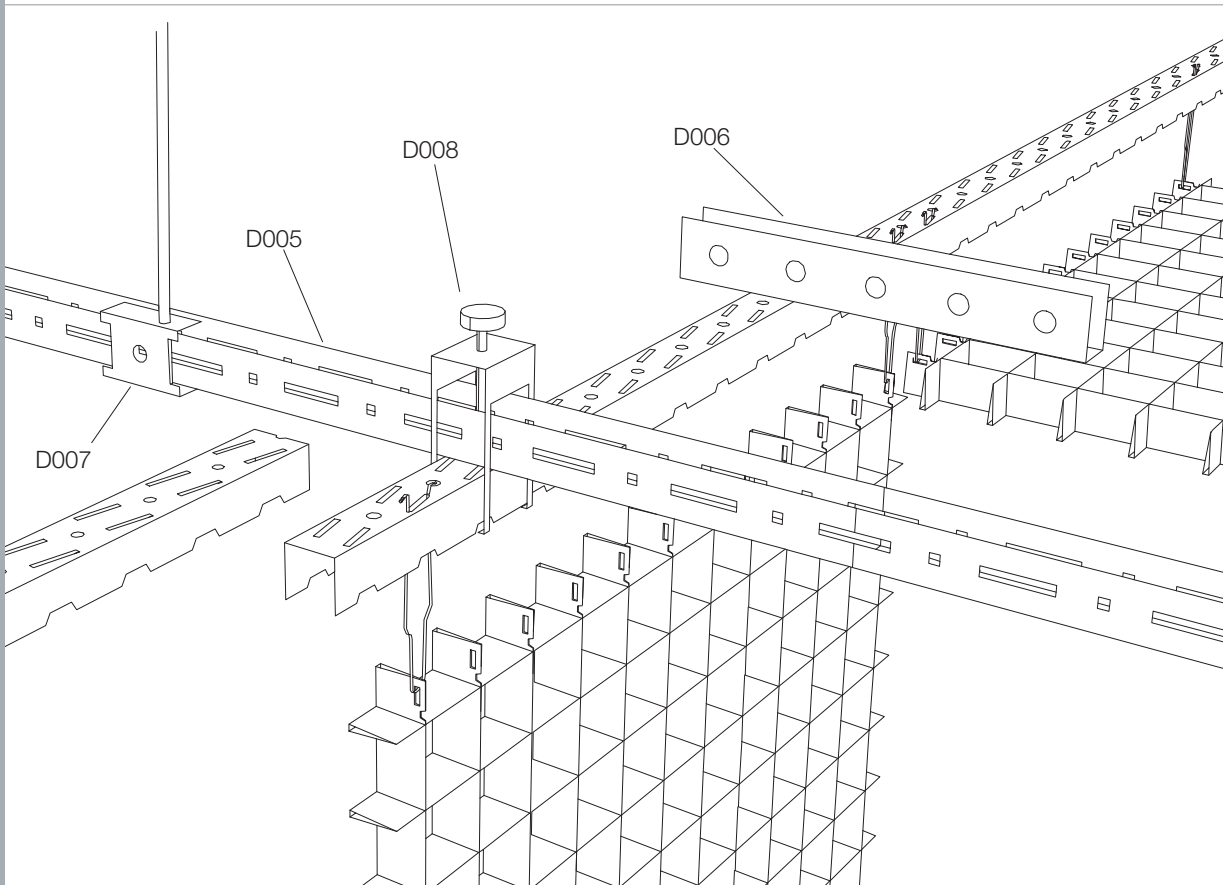
Demountable from the long side of panel (upon request)



Deltaceir - Delta standart sistem / Delta standard system

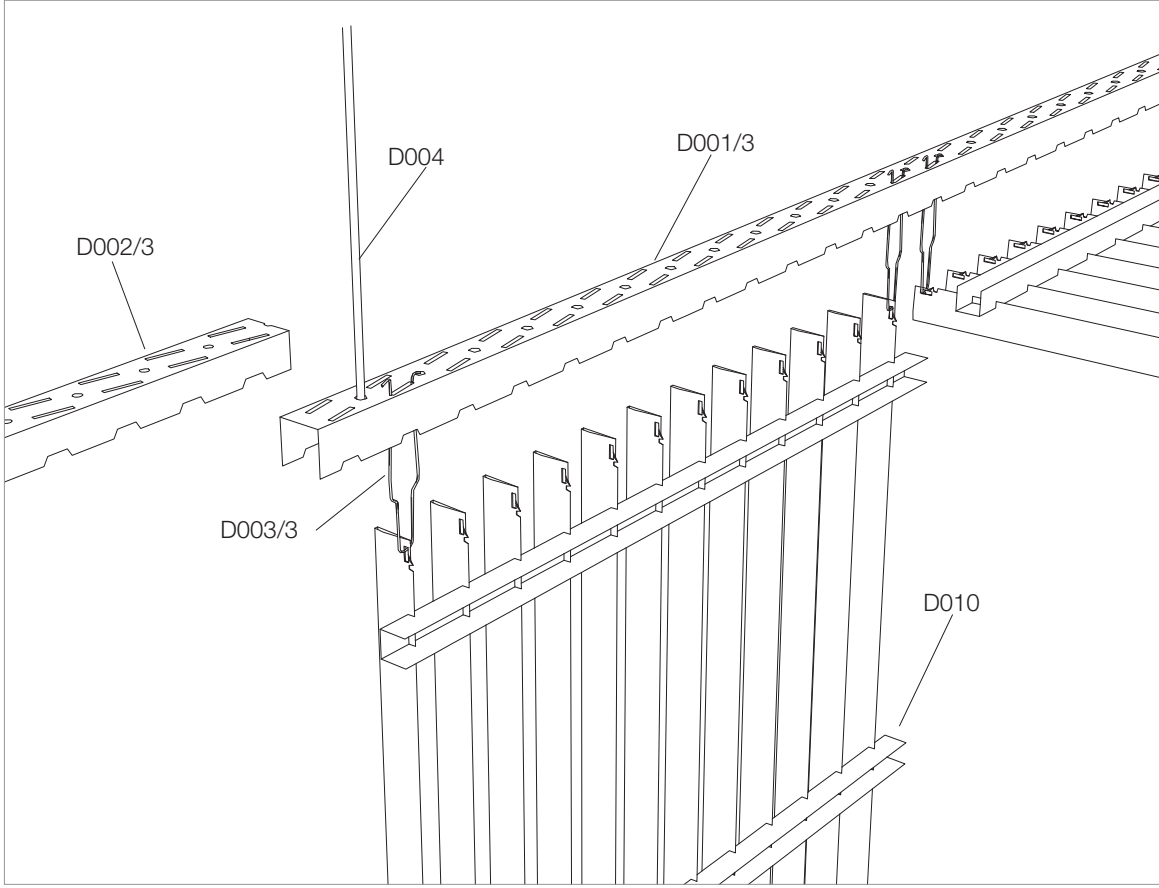


Deltaceir - Deltaceir çift konstruksiyon Delta taşıyıcı sistem / Delta double structure system

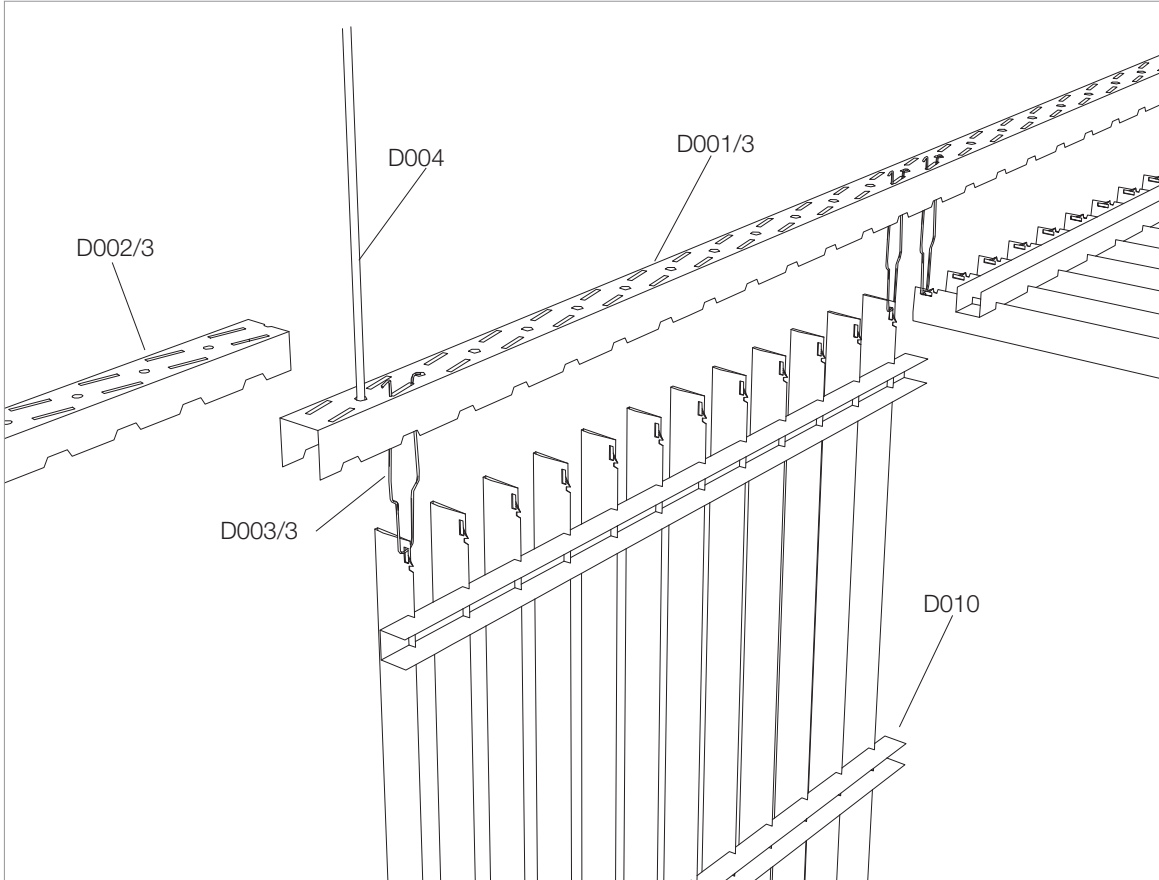




Deltaceir Line - Delta standart sistem / Delta standard system



Deltaceir Line - çift konstruksiyon Delta taşıyıcı sistem / Delta double structure system



Montaj aksesuarları  
Accessories for installation

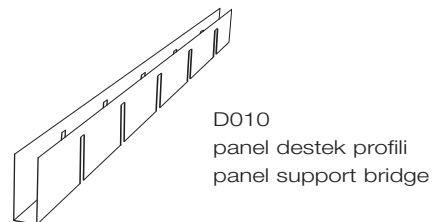
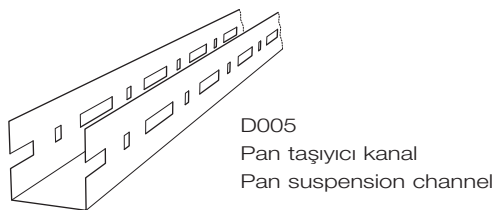
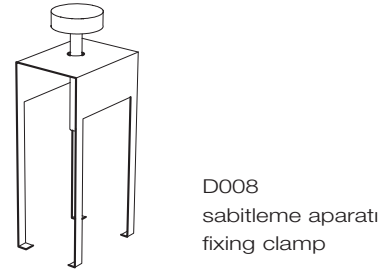
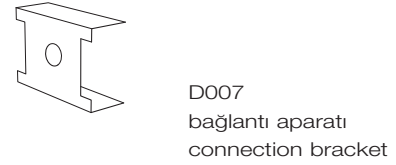
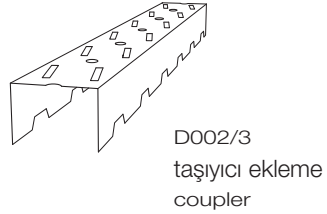
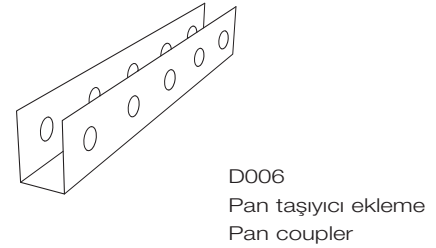
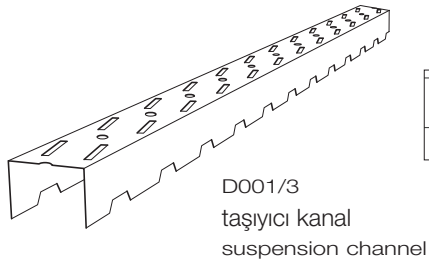
Deltaceir / Deltaceir Line - standart Delta sistem / Delta standard system

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200 x 600
D001/3 taşıyıcı kanal / suspension channel	lm	0,80
D002/3 taşıyıcı ekleme / coupler	pc	0,28
D003/3 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,75
D010 panel destek profili / panel support bridge	pc	5,56

Deltaceir / Deltaceir Line - Çift konstruksiyon Delta sistem / Delta double structure system

m <sup>2</sup> sarfiyat tablosu components per sq.m.*	birim unit	panel / panel 1200 x 600
D005 Pan taşıyıcı kanal / Pan suspension channel	lm	0,75
D006 Pan taşıyıcı ekleme / Pan coupler	pc	0,20
D007 bağlantı aparatı / connection bracket	pc	0,75
D008 sabitleme aparatı / fixing clamp	pc	0,60

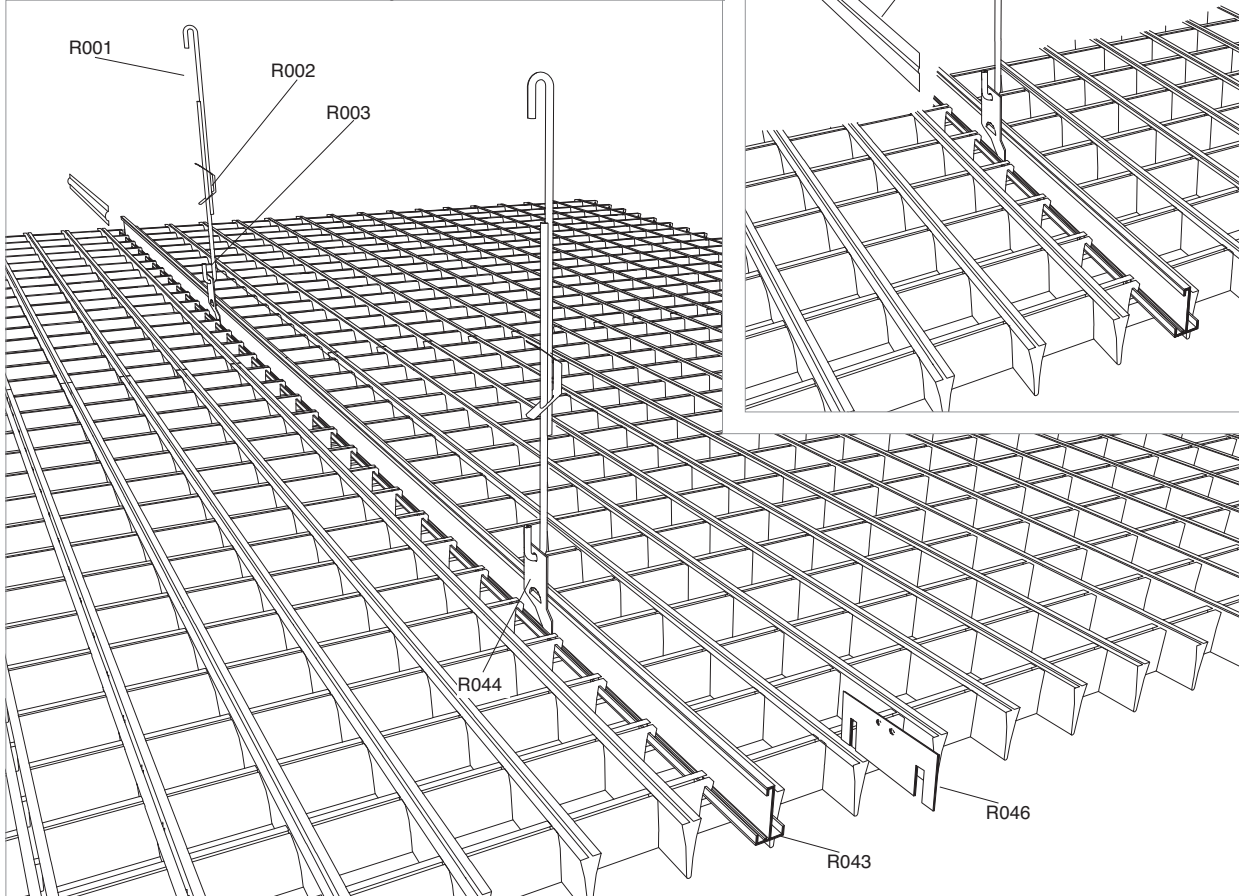
\* standart sistem elemanlarına ek olarak  
\* in addition to standard system components



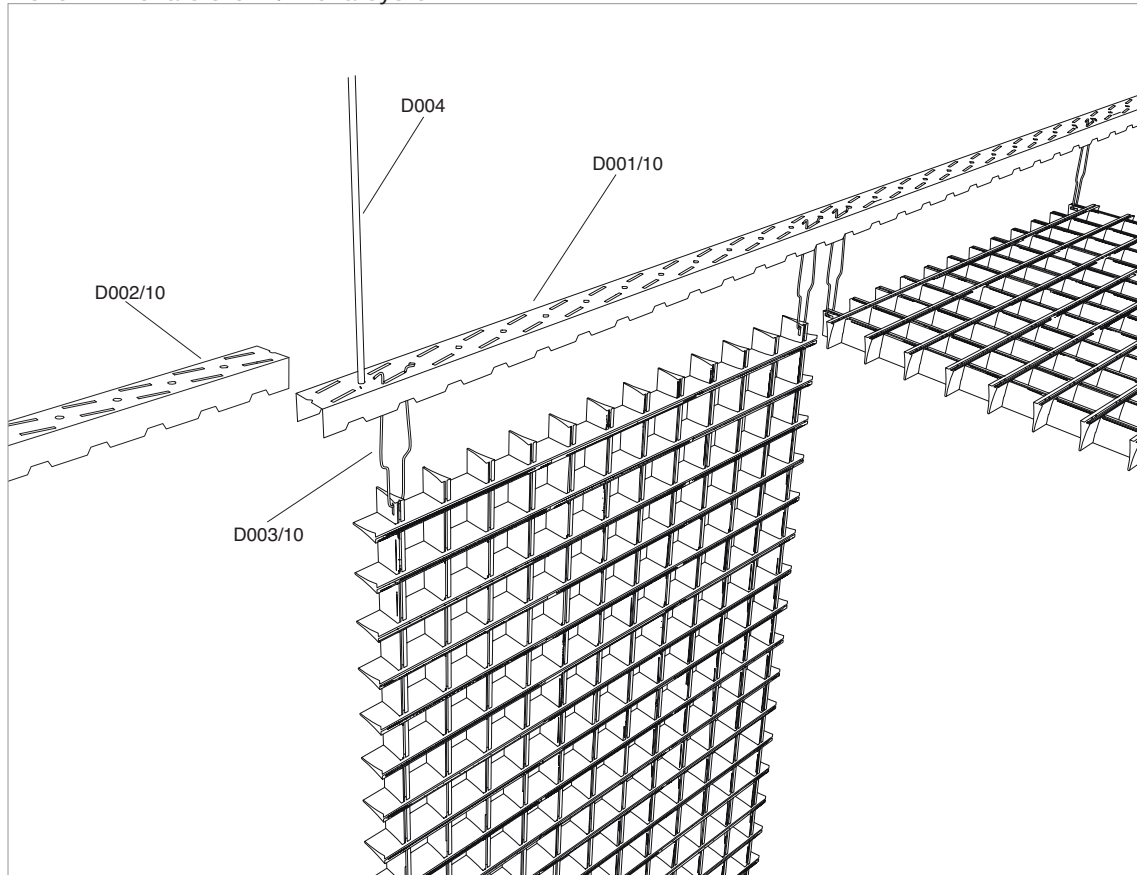
# Reflex

Montaj  
Installation

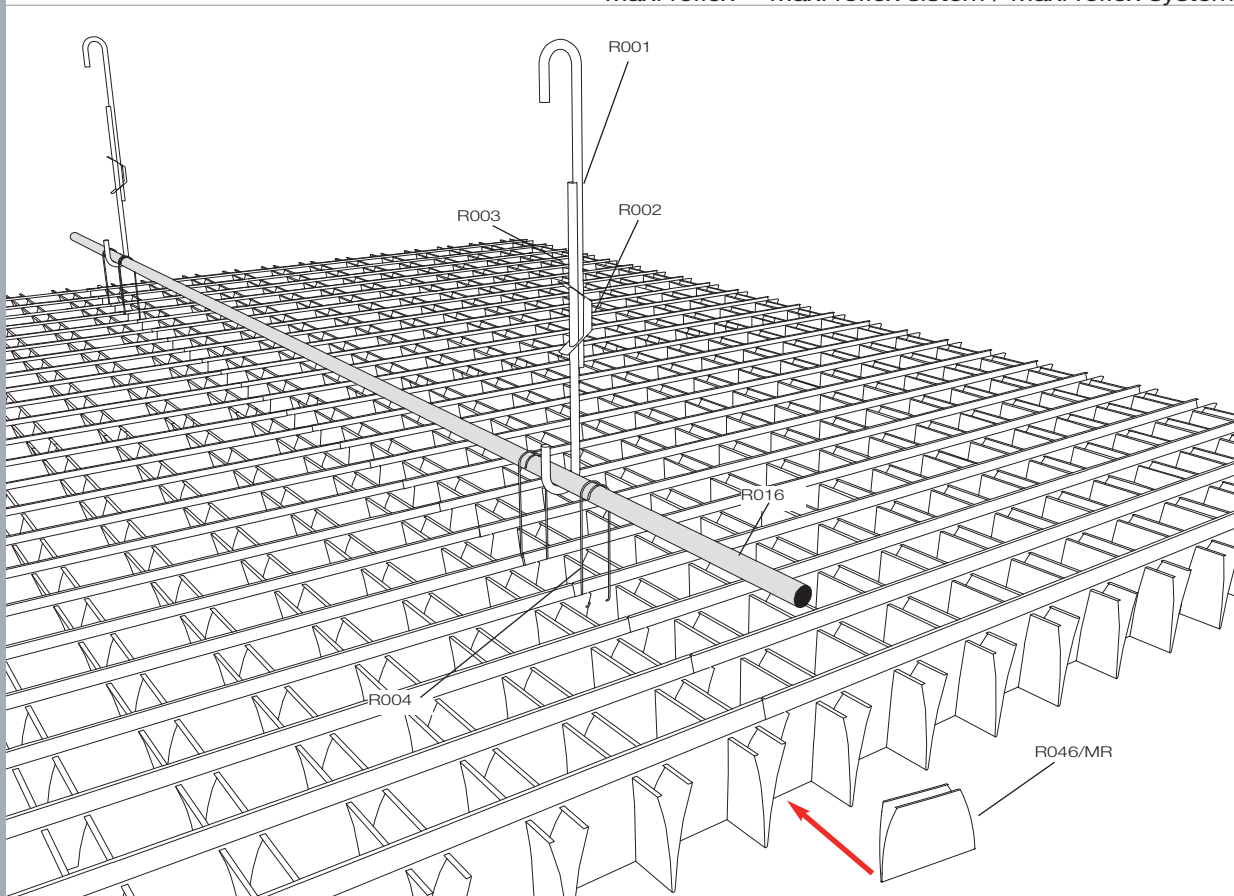
## Reflex - Reflex sistem / Reflex system



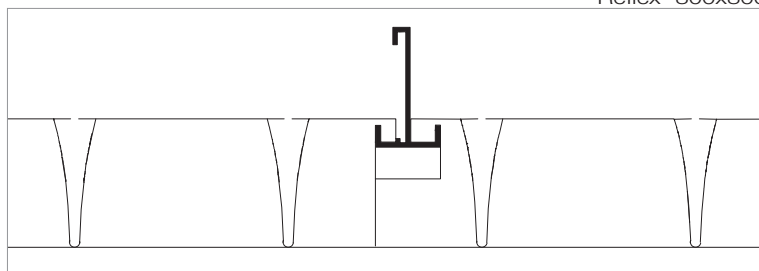
## Reflex - Delta sistem / Delta system



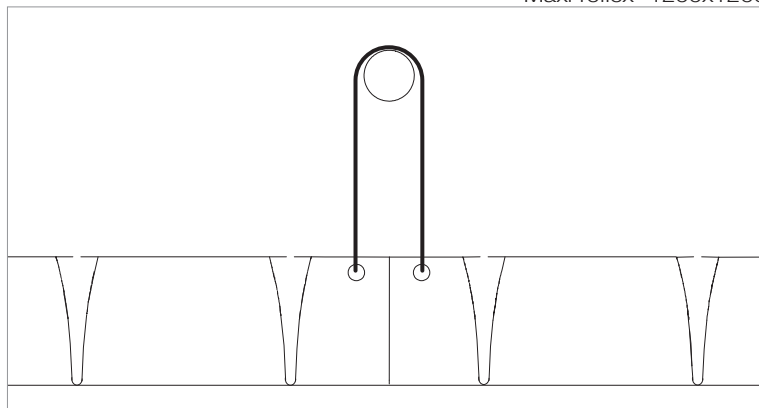
Maxi reflex - Maxi reflex sistem / Maxi reflex system



Reflex 800x800



Maxi reflex 1200x1200





Montaj aksesuarları  
Accessories for installation

## Reflex - reflex sistem / reflex system

m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 800 x 800
R001 Askı tiji / rod	pc	0,95
R002 yay / spring	pc	0,95
R003 kanca / hook	pc	0,95
R043 "T" taşıyıcı profil / "T" profile	lm	1,20
R044 askı aparatı / suspension bracket	pc	0,95
R045 "T" taşıyıcı ekleme / splicer for "T" profile	pc	0,22
R046 bağlantı aparatı (reflex) / connection bracket (reflex)	pc	4,60

## Reflex - Delta taşıyıcı sistem / Delta system

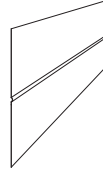
m <sup>2</sup> sarfiyat tablosu component per sq.m.	birim unit	panel / panel 1200 x 600
D001/10 taşıyıcı kanal / suspension channel	lm	0,80
D002/10 taşıyıcı ekleme / coupler	pc	0,28
D003/10 taşıyıcı birleşim klipsi / spring	pc	5,56
D004 askı tiji / rod	pc	0,80

## Maxi reflex - Maxi Reflex sistem / Maxi reflex system

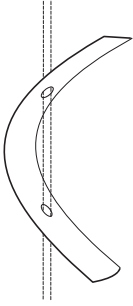
m <sup>2</sup> sarfiyat tablosu components per sq.m.	birim unit	panel / panel 1200 x 1200
R001 askı tiji / rod	pc	0,70
R002 yay / spring	pc	0,70
R003 kanca / hook	pc	0,70
R004 panel taşıyıcı kanca / panel suspension hook	pc	5,56
R016 askı borusu / tube	lm	0,80
R046/MR bağlantı aparatı (maxi reflex) / connection bracket (maxi reflex)	pc	8



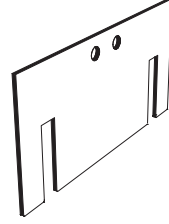
R001  
askı tiji  
rod



R045  
"T" taşıyıcı ekleme  
splicer for "T"



R002  
yay  
spring



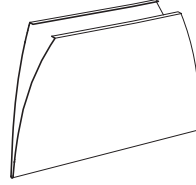
R046  
bağlantı aparatı  
connection bracket reflex



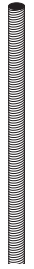
R003  
kanca  
hook



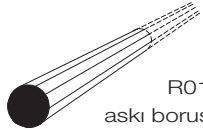
R004  
panel taşıyıcı kanca  
panel suspension hook



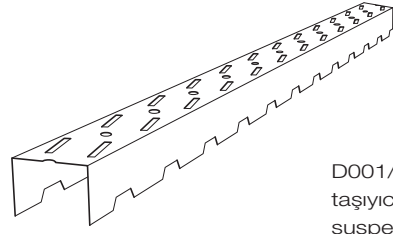
R046/MR  
bağlantı aparatı maxi reflex  
connection bracket maxi reflex



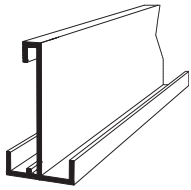
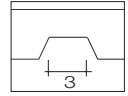
D004  
tiji  
rod



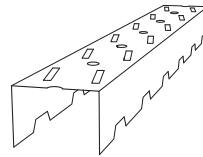
R016  
askı borusu  
tube



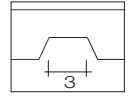
D001/10  
taşıyıcı kanal  
suspension channel



R043  
"T" taşıyıcı profil  
"T" profile



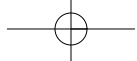
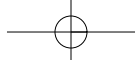
D002/10  
taşıyıcı ekleme  
coupler



R044  
askı aparatı  
suspension bracket



D003/10  
taşıyıcı birleşim klipsi  
spring



Renkler  
Colours



## Renkler

### Renklerin estetiđi

#### Ön boyalı petek tavan profilleri

CEIR petek tavan profilleri standart olarak beyaz, siyah, gümüş gri, doğal anodize alüminyum rengi ile sunulurlar ve RAL kodlarına göre de boyanırlar.

Diđer tüm renkler isteđe bađlıdır.

Tüm ön boyalı alüminyum hammadde, alüminyum oksidin ( $Al_2O_3$ ) kalın ve iyi yapışkan özellikli bir film katmanı ile kaplanmıştır ve üzerine nominal kalınlığı 20 mikron olacak şekilde renk verilir. Bu sayede tüm petek tavan panelleri korozyona karşı dayanıklı, kir tutmayan ve sararmayan, tok bir yapıya sahip olmaktadır.

#### Kaplama petek tavan profilleri

Tüm ürünler istenen miktara göre özel olarak tedarik edilir.

Esasen Ceir, sahip olduđu modern boya ünitesi ile RAL NCS SIKKENS PANTONE kodlarını kullanarak tasarımcılardan gelebilecek her türlü renk talebine kolaylıkla cevap verebilmektedir.

Yanı sıra Ceir taşıyıcı sisem elemanlarını da panellerle aynı renkte üretebilmektedir.

Genellikle, kaplama işlemi petegi oluşturan profiller birleştirilip petek haline getirilmeden yapılmaktadır. Sadece "Grigliati" modeli profiller petek haline getirildikten sonra kaplanırlar.

Kaplamalı petek tavanlar uzun süre dayanıklıdır ve rahatlıkla temizlenebilir.

what is your  
favourite  
color?



## Colours

The aesthetic function of the colour.

As for pre-painted open cell ceilings

The Ceir ceilings system standard color range is based on the RAL codes and includes the following colours and finishes:

white black silver and clear-lack (which gives a beautiful effect similar to natural anodised aluminium).

Other colours are available on request.

For all the pre-painted finished products, the thick and adherent layer of oxide (allumina  $Al_2O_3$ ), in a nominal thickness of 20 microns makes every Ceir false ceiling product, corrosion resistant, dirt repellent, extremely durable and avoids the product yellowing.

As for the enamelled open cell ceilings

For all the products, Ceir supplies any customised color, apart from the quantity requested.

Actually, Ceir, equipped itself with modern painting process plant, meets every requirements coming from designers and installers, offering the widest choice according to the colours:

RAL NCS SIKKENS e PANTONE.

Besides, Ceir can supply in the same finish as ceilings also the accessories for the mounting system.

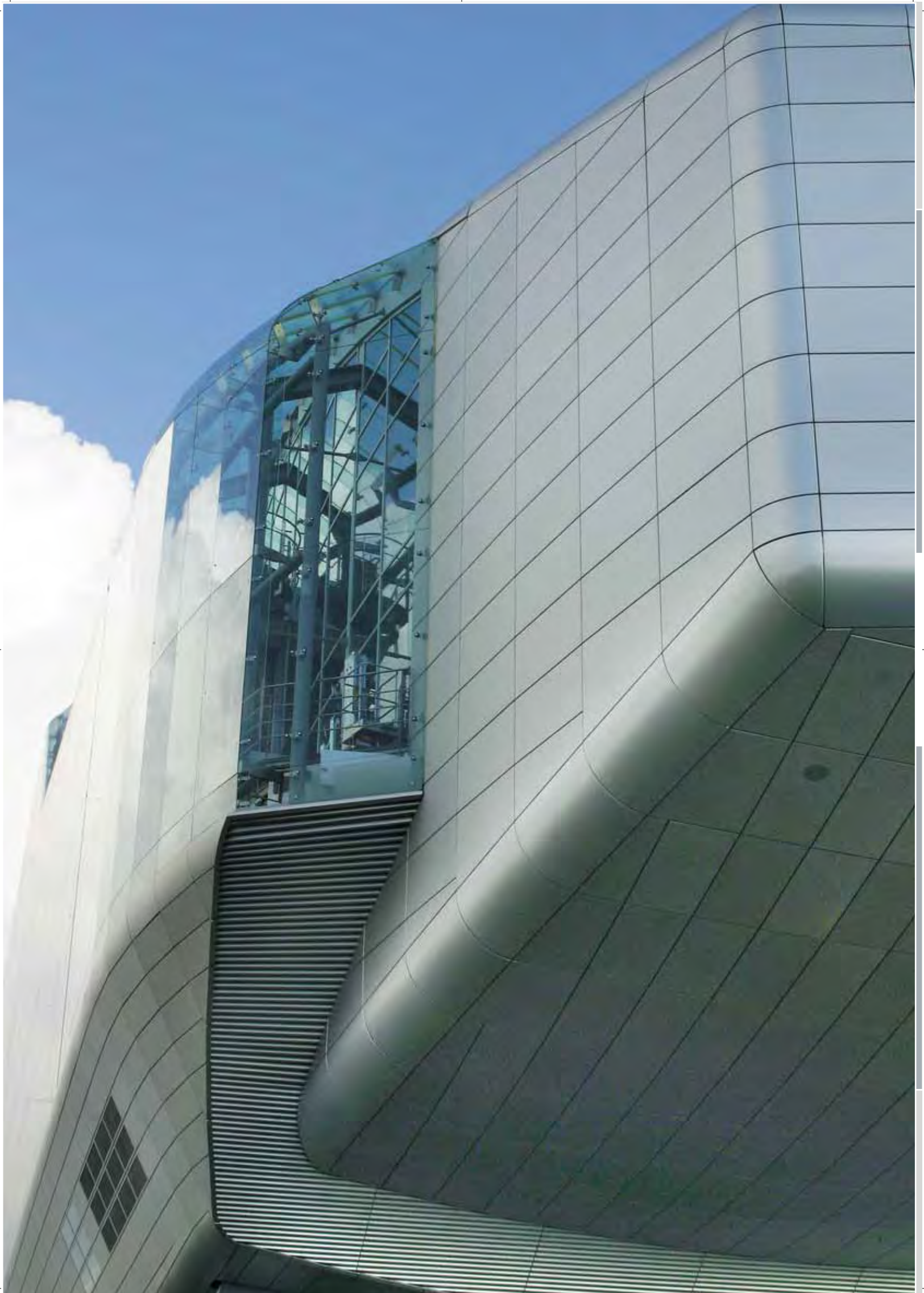
Generally, the enamelling process is made before assembling blades of panels. Only the monoblade ceilings, called "Grigliati", are enamelled after assembly not to show uncoated edges.

The enamelled Ceir open cell ceilings provide a superior color long-lasting and may be cleaned with to common detergents.

not all is black

not all is white ..

les couleurs sont colore & colori  
pantone ral colors  
ral & ral sikkens ncs  
9006 NCS sikkens  
pantone s 2021 N  
every color for everyday needs



hammadde  
base materials



#### *Hammadde özellikleri*

*Ceir petek tavan sistemleri boyalı alüminyum veya çelik plakalardan üretilirler. EN, ASTM ve ECCA (Avrupa Metal Rulo Kaplayıcıları Birliği) normlarına uygun olarak kullanılan hammaddenin kalitesine bağlı olarak uygulamada kolaylık ve yangına dayanım sunar. Genellikle, alüminyum veya çelik tırnaklar her iki yüzünde de boyalıdır. Üst kısmına yapılan polyester boya kaplaması dekoratif bir görüntü sunarken, arka kısmındaki minimum 20 mikronluk boya da profillere koruma sağlar.*

*Çok özel kullanımlar için de farklı boyama süreçleri de sağlanabilmektedir. Bu şekilde üretilen CEIR petek tavan sistemleri bu özelliklerinden dolayı dış mekanlarda da kullanılabilirlerdir.*

*Bir çözüm: Alüminyum*

*CEIR petek tavan sistemleri çoğunlukla alüminyum hammaddeden imal edilir. Bunun nedeni alüminyumun hem tasarımcılara hem de uygulamacılara bir çok kolaylık sunmasıdır:*

*Hafif ağırlık: alüminyum ağırlığı itibarıyla ( aynı hacimde çelikten üçte bir oranında daha hafiftir) taşınması, sökme ve takması çok daha kolaydır; bu nedenle tasarruf sağlar.*

*Uzun süre dayanıklılık: Tüm ön boyalı alüminyum hammadde, alüminyum oksidin (Al<sub>2</sub>O<sub>3</sub>) kalın ve iyi yapışkan özellikli bir film katmanı ile kaplanmıştır ve üzerine nominal kalınlığı 20 mikron olacak şekilde renk verilir. Bu sayede tüm petek tavan panelleri korozyona karşı dayanıklı, kir tutmayan ve sararmayan, tok bir yapıya sahip olmaktadır.*

*Çeşitlilik: Kullanılan malzeme kimyasal bileşim ve yüzey bitişi itibarıyla bir çok forma sokulabilmektedir. Böylece farklı pek çok estetik ve fonksiyonel ihtiyaçlara cevap verilebilmektedir.*

*Estetik: Alüminyum doğal rengi, hafifliği itibarıyla çok güzel ve önemli bir metaldir ve bu konsept mimari, iç mimari ve endüstriyel tasarımcılar tarafından onaylanmış bir gerçektir. Alüminyum, doğallığın, yeniliğin ve tasarımın dışı vurumudur.*

*Yangın dayanımı: Alüminyum Class 0 olarak sınıflandırılır. Yani, alüminyum toksik veya zararlı madde içermez. Yani sıra, mekanda petek tavan kullanımı, dumanın dağılması ve güvenli bir tahliye imkan sağlaması açısından önemli olabilmektedir.*

*Eco-uyumluluk: Alüminyum "yeşil" metal olarak bilinir, %70 oranında geri dönüşümlüdür. Alüminyumun bu gerçek kullanım değeri, CEIR ürünlerine de değer katmaktadır.*

*30 yıllık deneyimiyle CEIR alüminyum petek tavan sistemleri müşterilerinin ve çevrenin hizmetindedir.*



#### *Base materials specification*

Ceir open cell ceilings are made of pre-painted aluminium or steel alloys. Thanks to the quality of base materials used, which are produced according to norms EN, ASTM and in compliance with ECCA (European Coil Coating Association), the Ceir false ceilings feature either the high ease of installation and the reaction fire Euroclass A1. Generally, the aluminium or steel nails are pre-painted on both sides: a polyester paint on top side, to achieve decorative purpose, in a nominal thickness of 20 microns, a protective paint on back side.

A range of alternative paint processes are also available on request, to suit highly specialised uses.

The nature of these products allows for use of Ceir open cell ceilings in external applications also.

#### *Aluminium as the solution*

Ceir open cell ceiling systems are mainly made of aluminium.

The reason of this choice is because aluminium offers many advantages to designers and installers:

- light weight: aluminium weight (one third of the same volume of steel) makes very easy the transport, the mounting, and demounting of ceiling, saving the relative costs.
- long-lasting and resistance: being naturally protected by a thin film of oxide highly thick and adherent (alumina  $Al_2O_3$ ), it results resistant to air and weathering corrosion. It means that even without

special surface protection, almost all the aluminium alloys do not deteriorate in time, are extremely durable, no requiring any maintenance;

- versatility: the range in terms of chemical composition and finishes (from pre-painted, anodised material to other solutions) is so wide to meet every functional or aesthetic requirements.

- aesthetics: it is surely one of the most beautiful metal, thanks to its natural colour, its light weight, as confirmed by the wide application of this material in architecture, interior and industrial design. Aluminium is, for itself nature, expression of innovation and design.

- fire reaction: as for fire reaction, it is deemed to be Class 0. It means aluminium does not generate toxic nor hazardous products. Besides, in case of fire, the use of open cell ceiling makes large quantities of smoke can be extracted allowing a better visibility and safe way.

- eco-compatibility: aluminium is well-known as the "green" metal, actually it is recycled by 70% and its cost in terms of energy is of one twentieth that of the first melting. This high intrinsic value of aluminium adds value to such products as Ceir false ceilings, which make use of this.

With 30 years of experience Ceir open cell ceilings in aluminium, the "green" metal, are at service of customers and their environment.



**CEIR**

aluminium  
open  
cell  
ceilings

 commercial ceilings  
**deckon**<sup>®</sup>  
PREMIUM

alüminyum  
petek  
tavan  
sistemleri