



METAL CEILINGS





Metal Ceiling: Non-standard shaped ceilings



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SUPERTEC CEILINGS & BOARD (PTY) LTD

Supertec offers a combined knowledge and experience base in the industry of over 60 years. Supertec and its partners specialise in the manufacture of ceiling and partitioning products in their South African factory in Alrode and under strict controls it uses OEM (original equipment manufacturer) plants in various plants around the world. Our primary reason for having production facilities both domestically and internationally is to remain competitive when the exchange rate is strong or weak in order to ensure that our customers always get the most competitive pricing. Our product design and development is done by our technical team in South Africa and is backed by many years of product development and specialist ceiling experience. Our product is regularly tested by both the SABS / CSIR and Internationally recognized testing agencies

METAL CEILING PANELS

Supertec metal ceiling panels are made of superior quality aluminium sheets through a process of punching, moulding and washing.

A surface preservative treatment is then applied followed by a spray painting technique using high-grade plastic powder that is solidified through high temperature. Supertec metal ceiling panels are a high-grade reasonably priced decorative solution for indoor hung ceilings.

Supertec metal ceiling panels and T-Grid suspension are widely used in airports, stadiums, schools, banks, restaurants, offices, shopping centers, libraries, stations, factory buildings, hospitals, households and other public buildings.

Supertec metal ceiling panels aim to become the number one choice of designers due to the wide variety of finishes available and the aesthetic value they add to a buildings design.

AVAILABILITY

Custom designs for ceilings and wall panels are available on request. We can also make different thicknesses according to the size and the structure of the panels (1.0, 1.2, 1.5, 2.0, 3). You can choose powder Coating, metallic paint or Fucabon paint for the surface. The panels can also be perforated with circular, square and triangle designs. Please contact us for more information.

METAL CEILING PANEL CHARACTERISTICS

Damp resistance:

Being subject to damp and deformation is a universal hard nut for most ceiling materials. Supertec aluminium ceiling panels are resistance to damp and contamination.

Fire resistance:

Guarding against fire is of primary importance in designing modern public buildings, especially high-rise buildings. Supertec aluminium ceiling panels are considered as the most ideal material for fire resistant hung ceilings because of its fire resistant properties. Tested by the National Quality Test Center of Fireproof Building materials, the panels are determined as products reaching the quality level B1 (Fire resistant)

High temperature resistance:

Because of this property, Supertec aluminium ceiling panels are considered as the first choice for decorative materials of hung ceilings in high temperature environments.

Decorative value:

Supertec aluminium ceiling panels are made with more than 100 patterns and dozens of colours. That will provide designers limitless space for their imagination

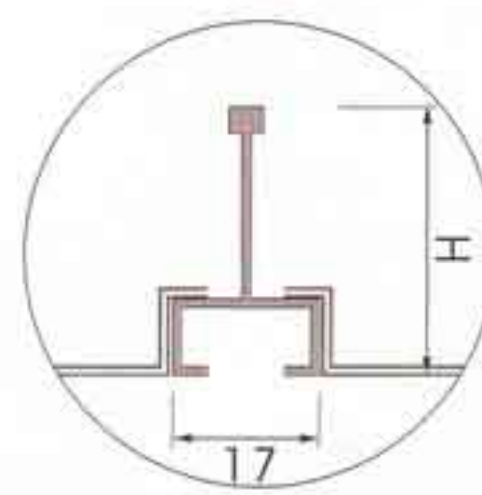
Multiple functions:

When Supertec aluminium panels are installed along with heat insulating cotton, the resultant working and living spaces are ideal being quieter and more comfortable.





Size: 600X600mm

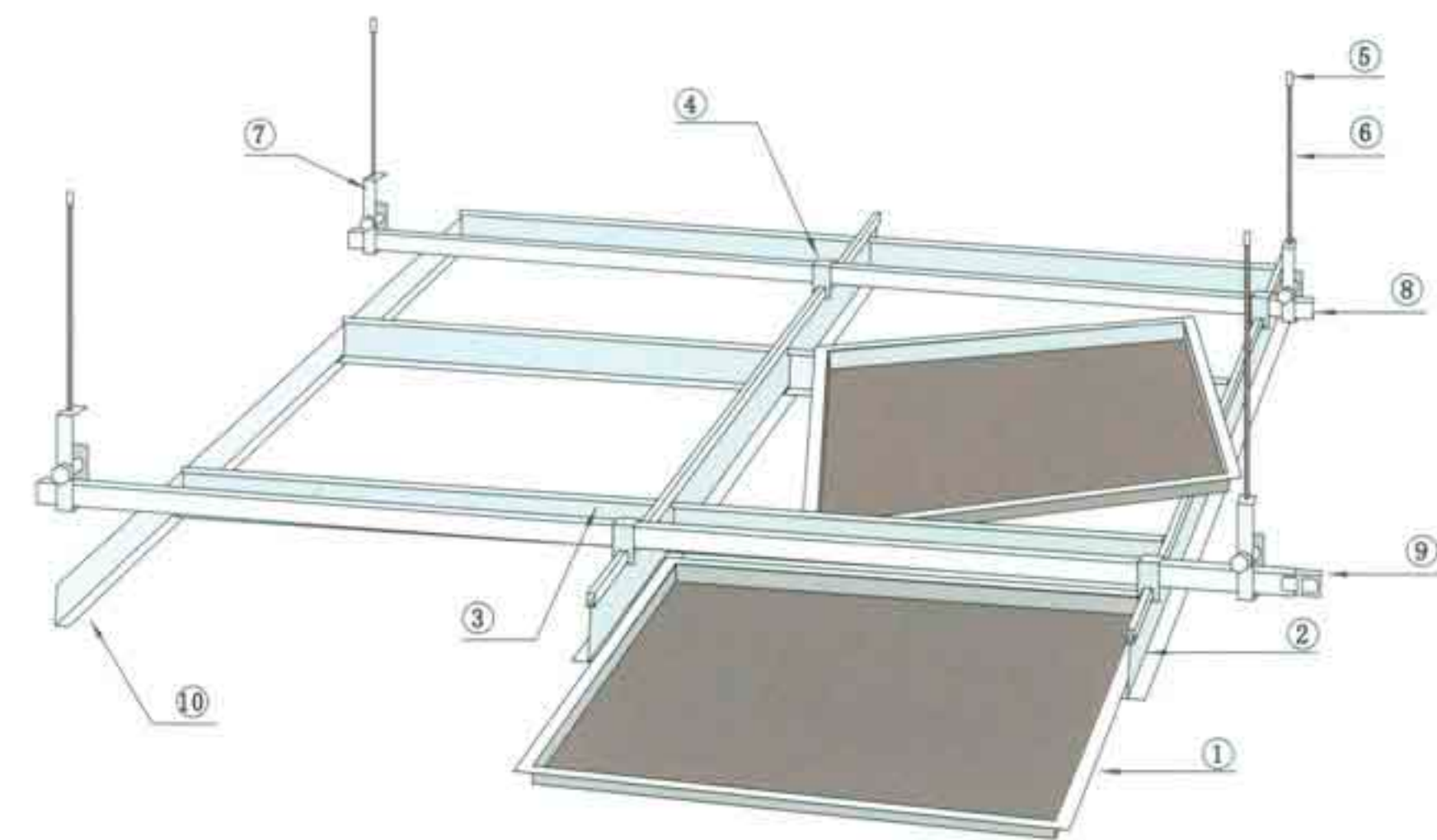


Ceiling Cross-section

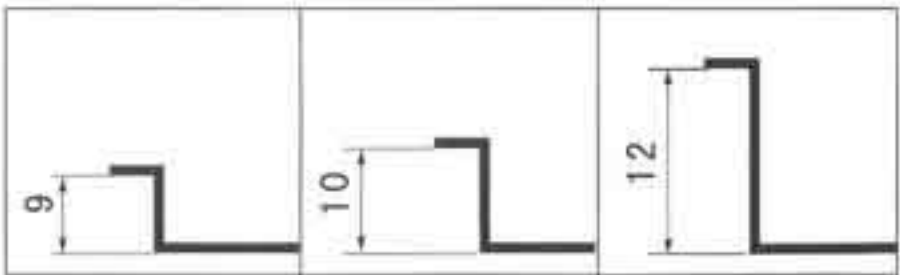
	NAME: Open frame ceiling
	NAME: 17T aluminum square groove Main carrier GB&US: 3050mm Metric: 3000mm
	NAME: 17T aluminum square groove Horizontal carrier GB&US: 1220.610mm Metric: 1200.600mm
	NAME: Suspension bracket (Options)



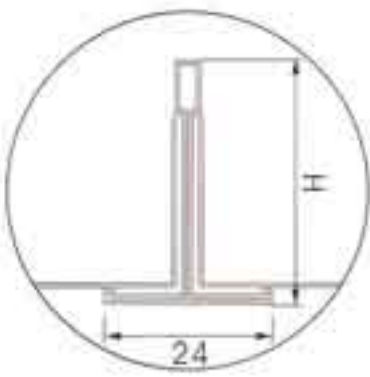
Illustration for fixing open frames



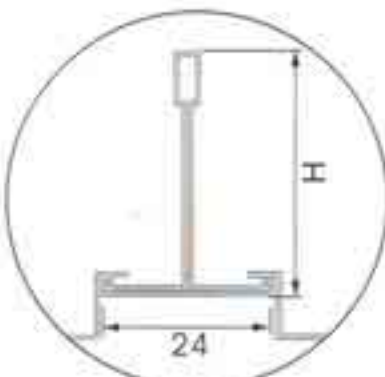
Illustrated instructions for fixing clear frames



Height of the panel



Open frame flat bedding type



Open frame lower leveled bedding

Fixing method for aluminium ceiling panels with clear frames:
First - fix the suspended frames according to the size of the SUPERTEC aluminium ceiling panels and adjust the frames evenly, then place the ceiling panels directly onto them, using L-shaped angles to support and fix the panels at positions near the walls.

	NAME: Open frame ceiling
	NAME: Painted plane carrier GB&US: 3050mm Metric: 3000mm
	NAME: Painted plane carrier GB&US: 1220, 610mm Metric: 1200, 600mm
	NAME: Suspension bracket (Options)
	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options)
	NAME: 38# Main carrier suspension bracket (Options)
	NAME: 38# Main carrier (Options)
	NAME: 38# main carrier connector (Options)
	NAME: L-Shaped angle (Options)

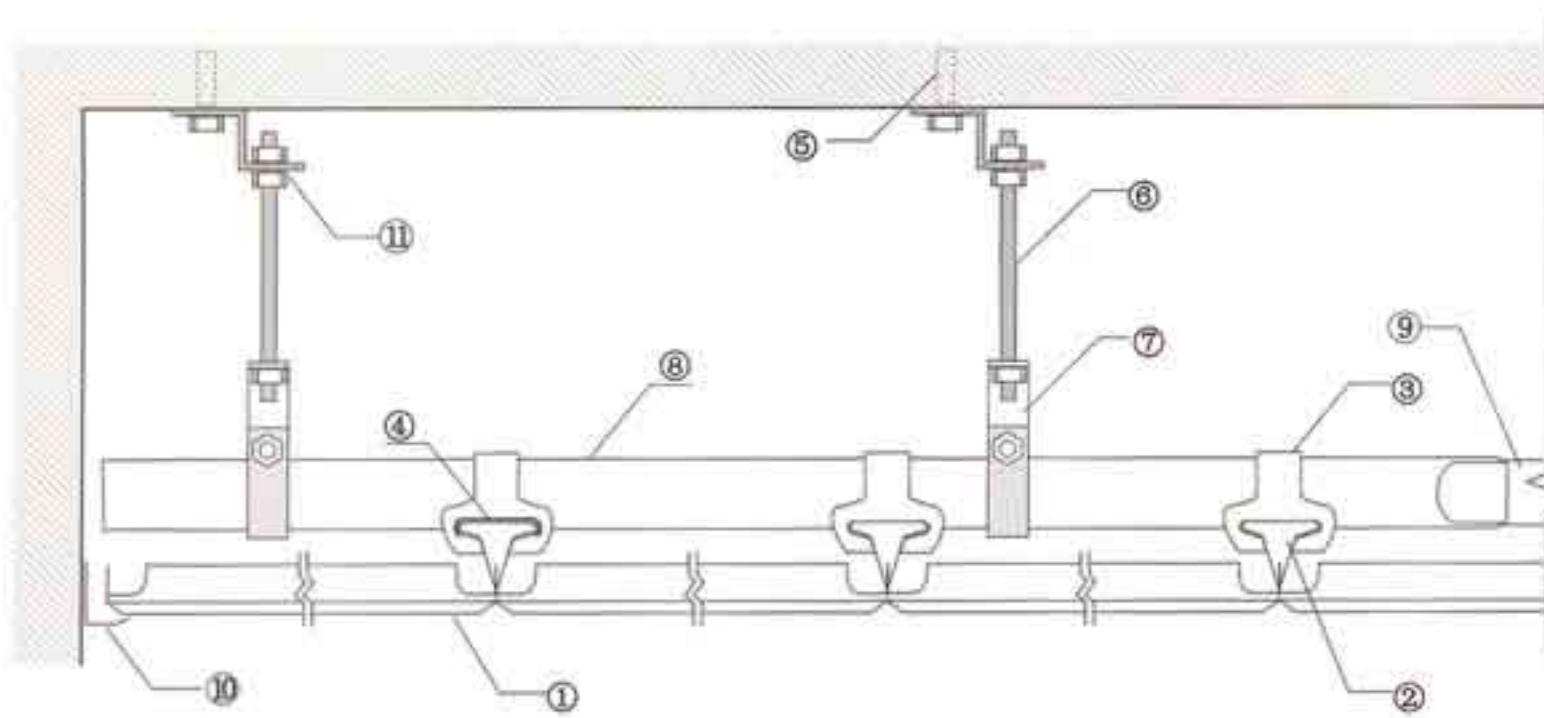


Illustration for fixing open frames

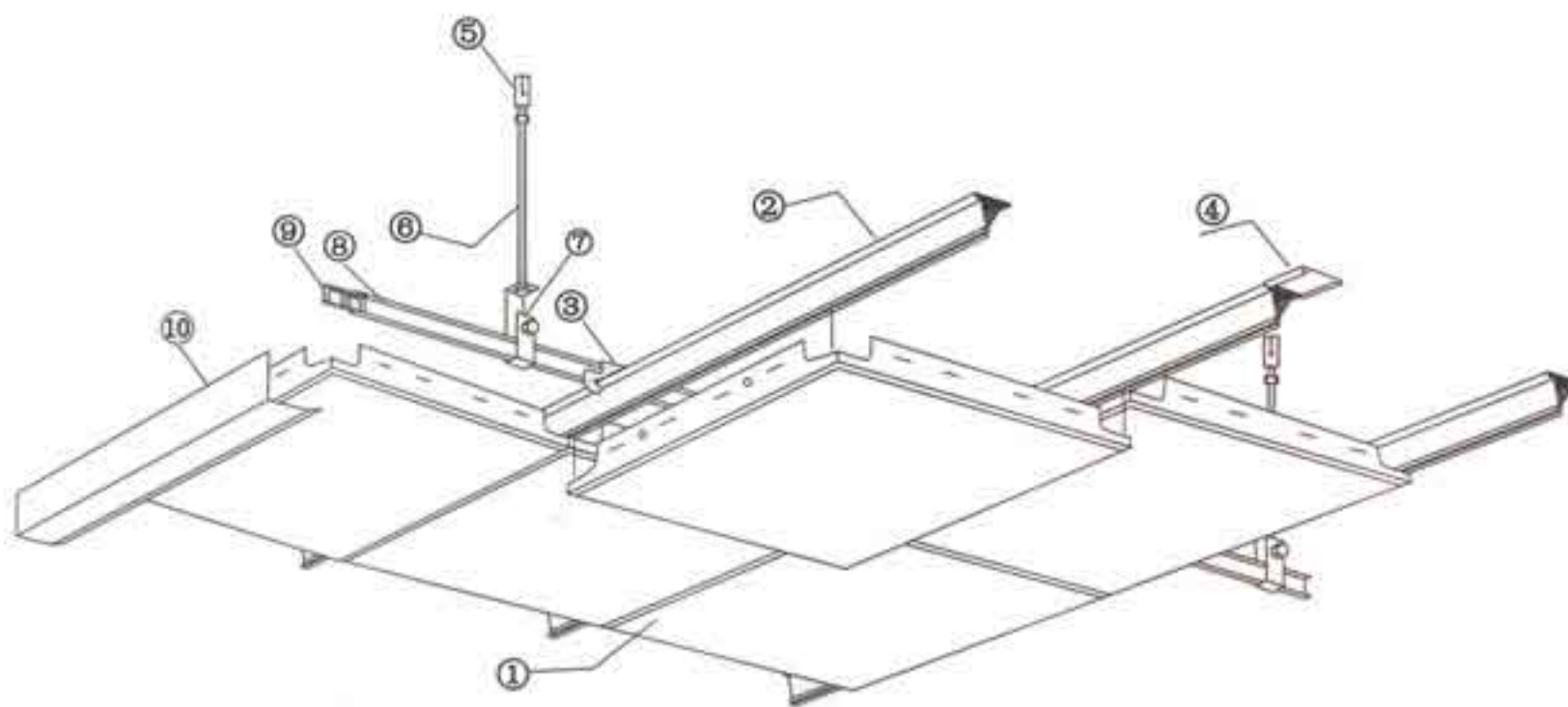
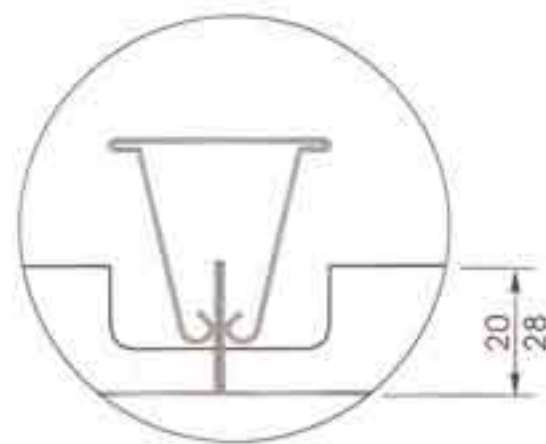


Illustration for fixing open frames



Bevelled edge Ceiling Cross-section



Square edge Ceiling Cross-section

Specifications and Sizes(mm)

100X100
100X600
150X150
150X800
300X300
300X600
400X400
500X500
600X600
800X800
300X1200
600X1200

	NAME: Closed frame ceiling
	NAME: Spring tee runner
	NAME: Spring tee runner suspension bracket
	NAME: Spring tee runner carrier connector
	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options) 6~8mm
	NAME: 38# Main carrier suspension bracket (Options)
	NAME: 38# Main carrier (Options)
	NAME: 38# main carrier connector (Options)
	NAME: L-Shaped angle (Options)



Fixing method for aluminium ceiling panels with clear frames:

First - fix the suspended frames according to the size of the SUPERTEC aluminium ceiling panels and adjust the frames evenly, then place the ceiling panels directly onto them, using L-shaped angles to support and fix the panels at positions near the walls.

Example of closed frame ceiling

Plain combined ceiling series are constructed with mixed panels, displaying new ideas for metal hung ceilings. They can be constructed with panels of different sizes and patterns, different colours, displaying different effects of combined ceiling panels, and allowing you to produce completely new designs using, Strip ceiling, Box ceiling, spring tee runners, suspension brackets, connectors and L-shaped angles.

Construction method:

Fix the L-shaped angles at the same height according to width of the panels and carriers, fix the suspension bolts and spring tee runners, adjust the evenness, setting up the Frame first and then the panels to form the ceiling.

Combined Ceiling Size (mm)

800x800 Combined
Square ceiling 600x600
Strip ceiling 600x100
Box ceiling 100x100

1100x1100 Combined

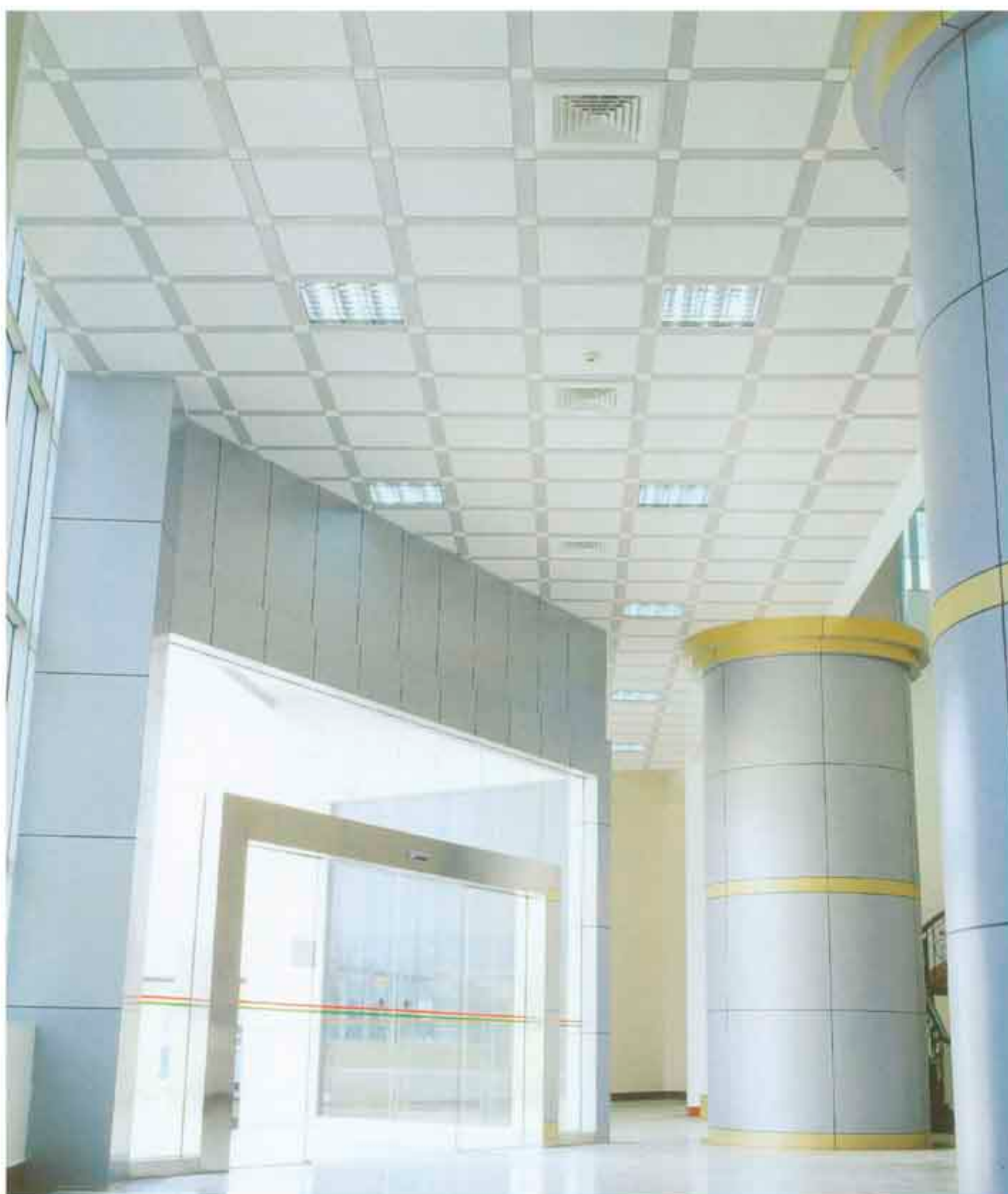
Square ceiling 800x600
Strip ceiling 800x150
Box ceiling 150x150

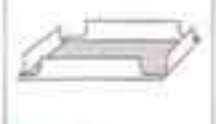
300x1200 Combined

Square ceiling 300x1200
Square ceiling 300x1200

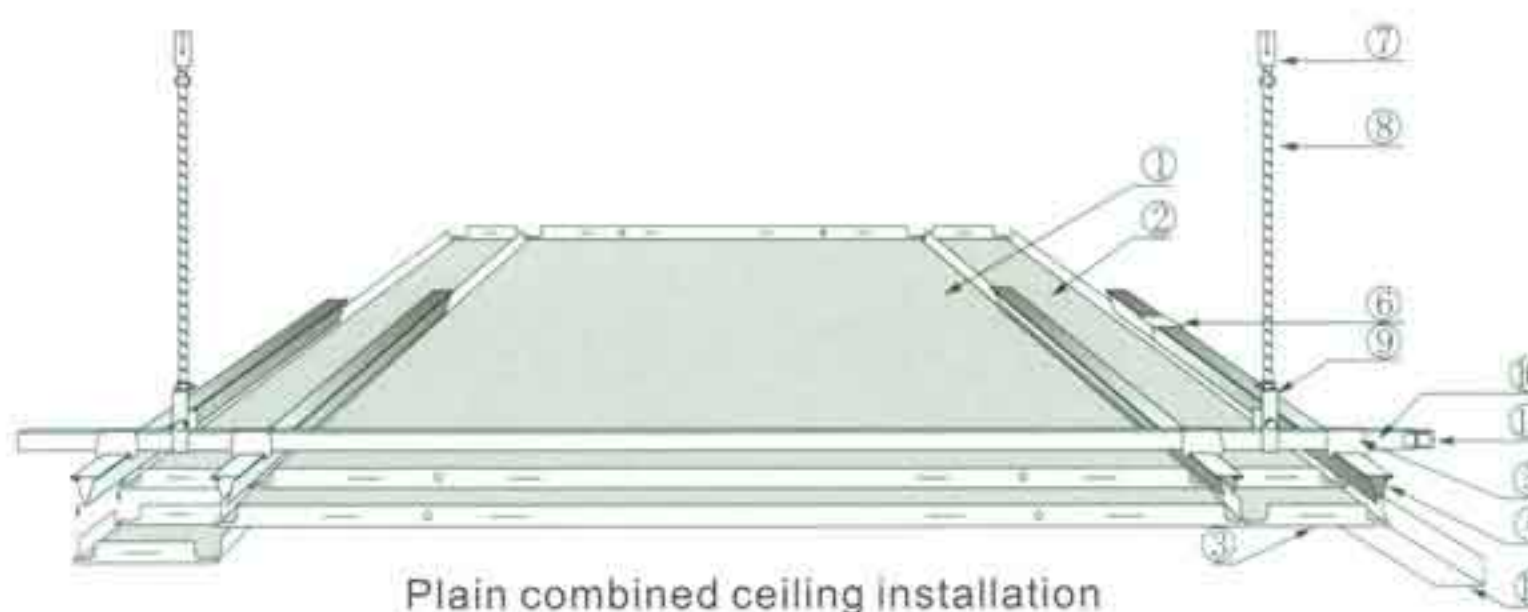
1200x1200 Combined

Square ceiling 600x600
Square ceiling 300x1200
Square ceiling 300x300



	NAME: Closed frame ceiling
	NAME: Strip ceiling
	NAME: Little Square box
	NAME: Spring tee runner
	NAME: Spring tee runner suspension bracket
	NAME: Spring tee runner carrier connector

	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options)
	NAME: 38# Main carrier suspension bracket (Options)
	NAME: 38# Main carrier (Options)
	NAME: 38# main carrier connector (Options)
	NAME: L-Shaped angle (Options)





Constituent ceiling size

800X800mm

1100X1100mm

1200X1200mm

300X1200mm

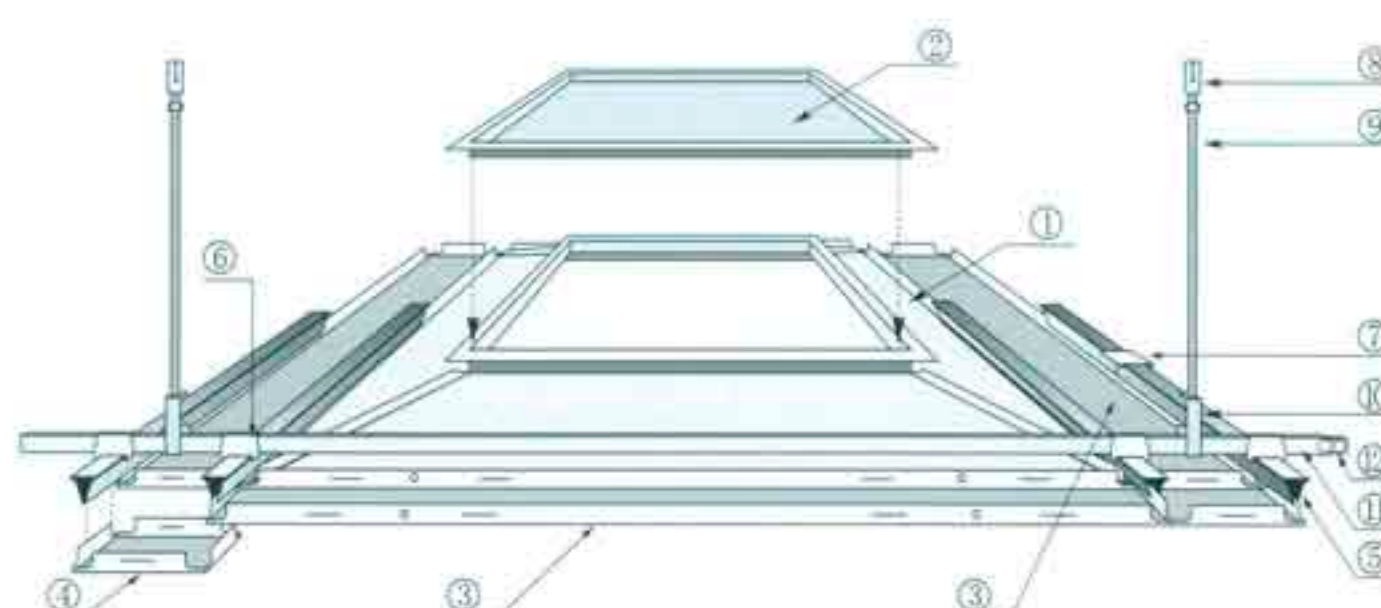
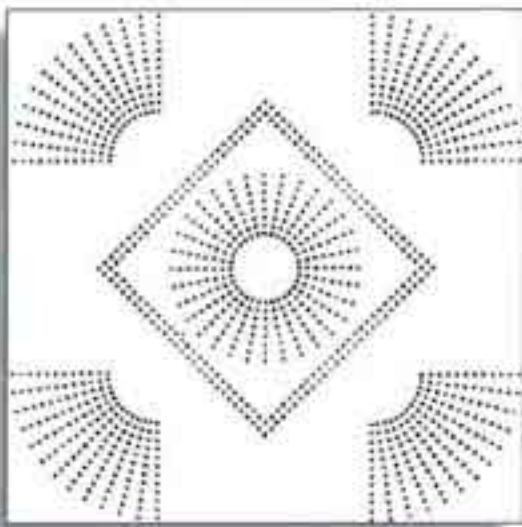


Illustration for #-Shaped combined ceiling installation

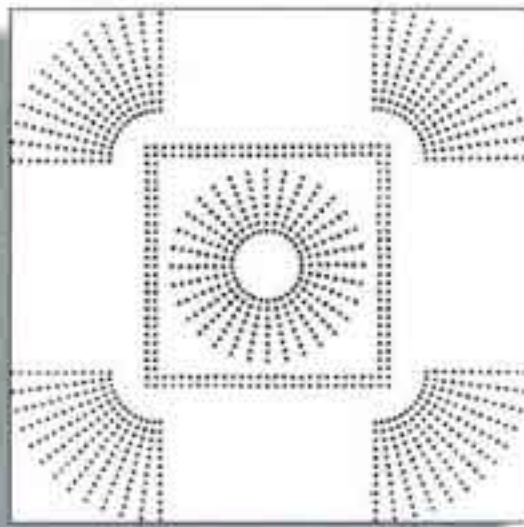
	NAME: #Frame
	NAME: #Cover
	NAME: Strip ceiling
	NAME: Little Square box
	NAME: Spring tee runner
	NAME: Spring tee runner suspension bracket

	NAME: 38#Main carrier (Options)		NAME: Suspension bolt (Options) 6~8mm		NAME: Spring tee runner carrier connector
	NAME: 38# main carrier connector (Options)		NAME: 38#Main carrier suspension bracket (Options)		NAME: Expansion screw (Options)



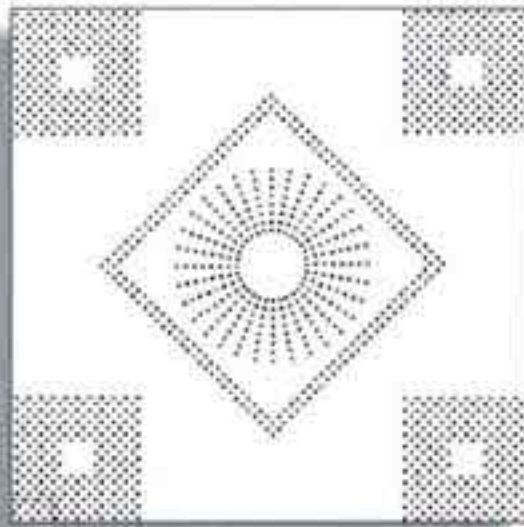
101

(500×500) ϕ 3
(600×600) ϕ 3



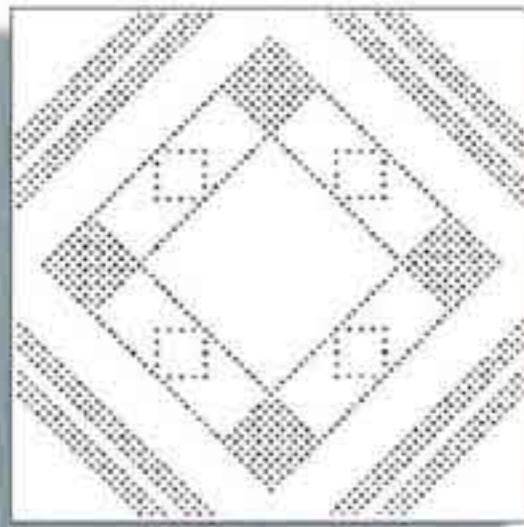
102

(500×500) ϕ 3
(600×600) ϕ 3



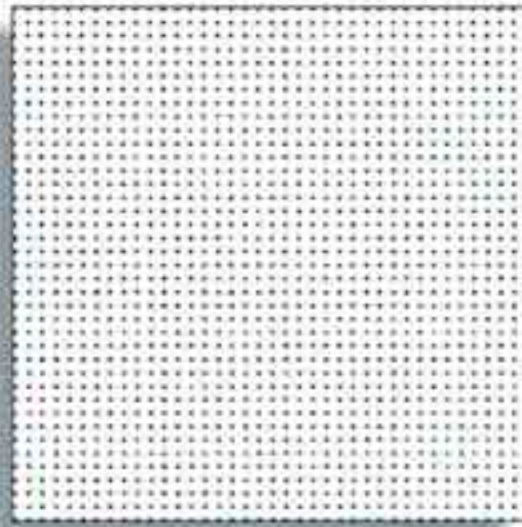
103

(500×500) ϕ 3
(600×600) ϕ 3



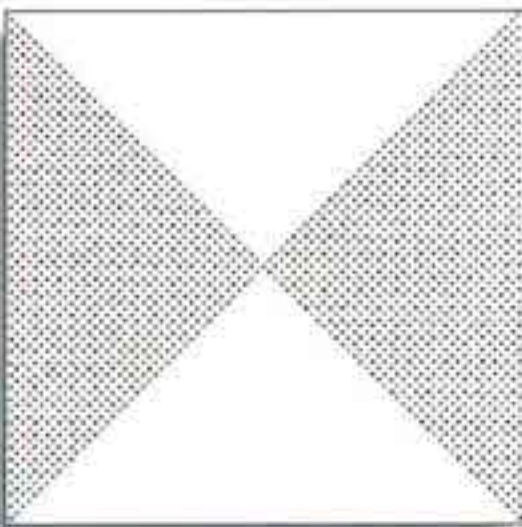
104

(500×500) ϕ 3
(600×600) ϕ 3



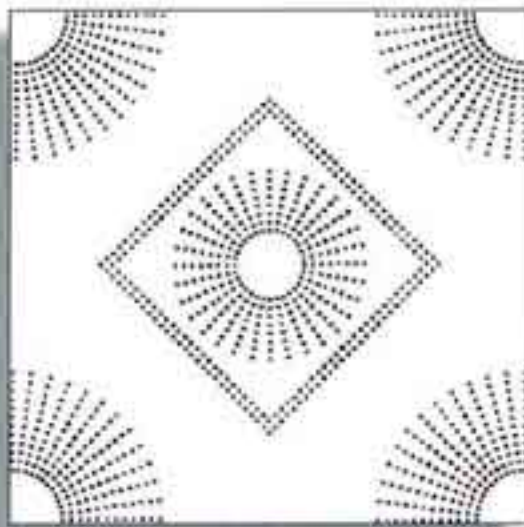
105

(300×1200) (300×300) ϕ 3 ϕ 2.3
(400×400) ϕ 3 ϕ 2.3
(500×500) ϕ 3 ϕ 2.3
(600×1200) (600×600) ϕ 3 ϕ 2.3



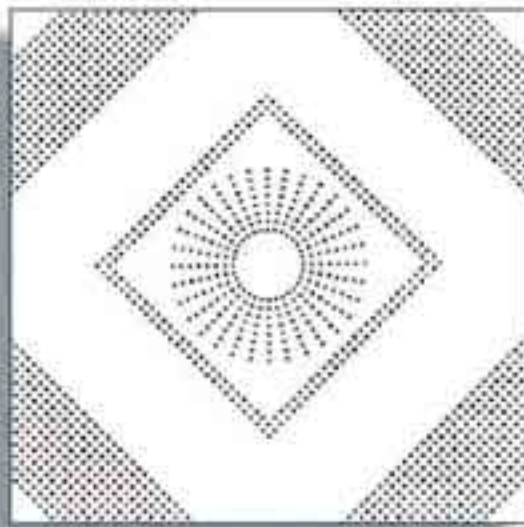
106

(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3



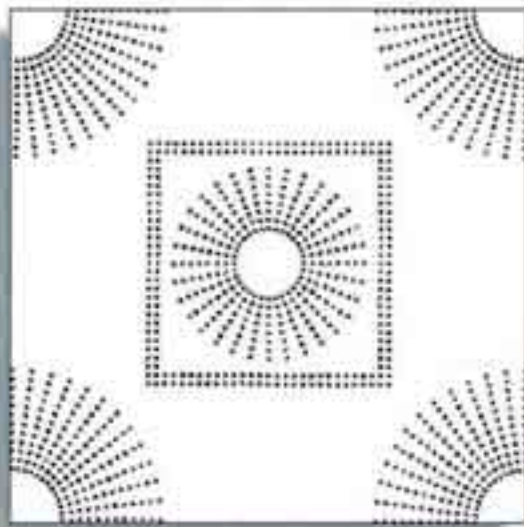
107

(500×500) ϕ 3
(600×600) ϕ 3



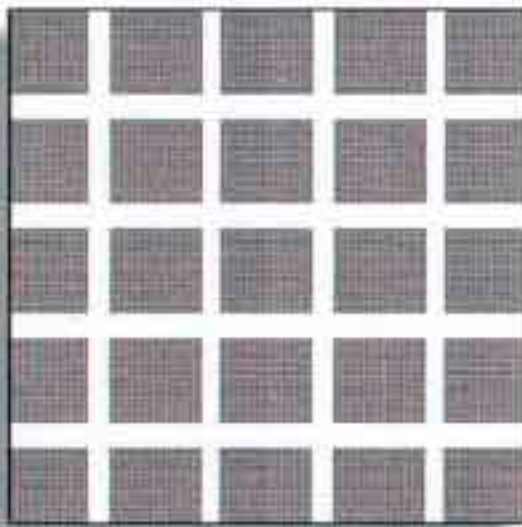
108

(500×500) ϕ 3
(600×600) ϕ 3



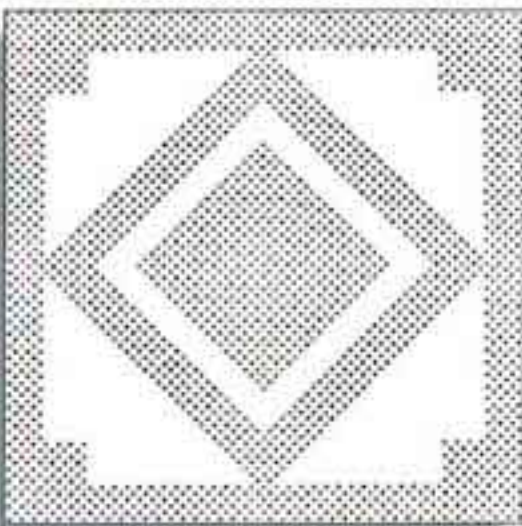
109

(500×500) ϕ 3
(600×600) ϕ 3



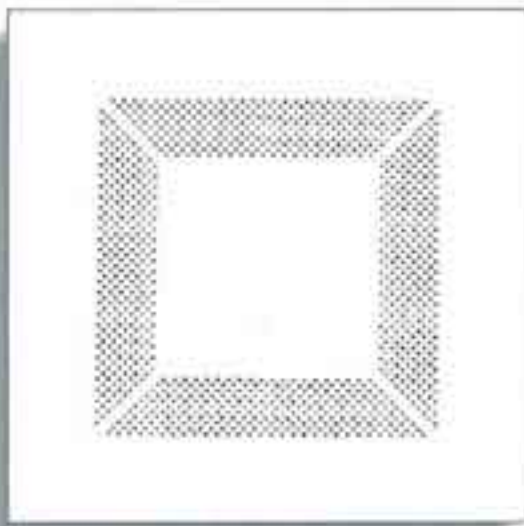
110

(600×600) ϕ 3 ϕ 1.8



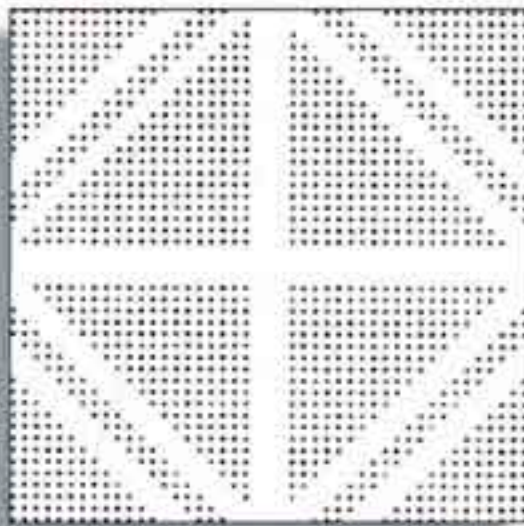
111

(500×500) ϕ 3
(600×600) ϕ 3



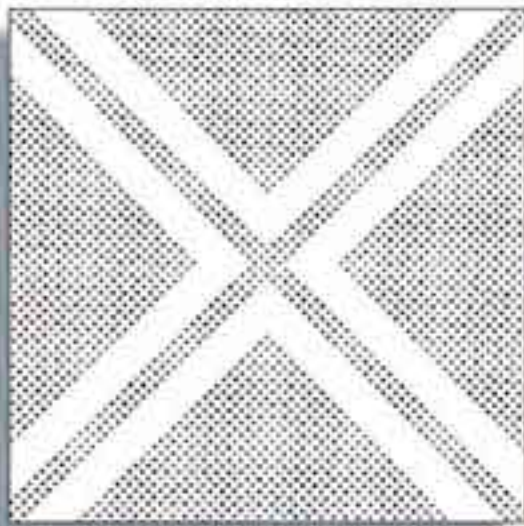
112

(600×600) ϕ 3



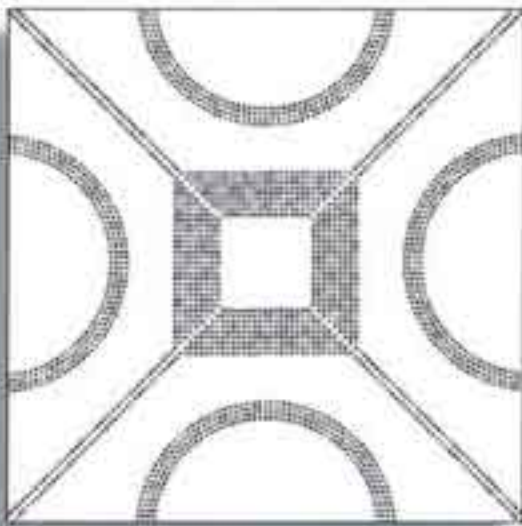
113

(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3



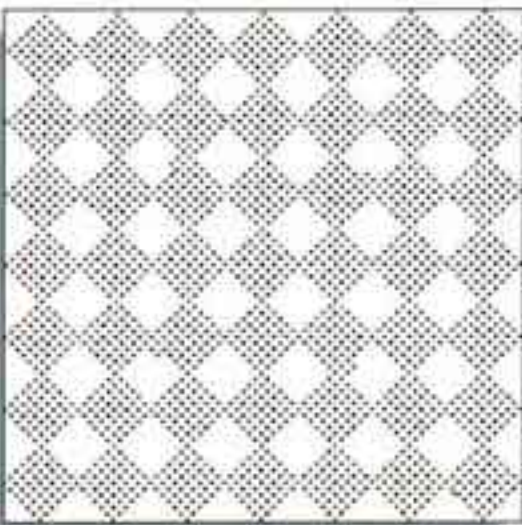
114

(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3



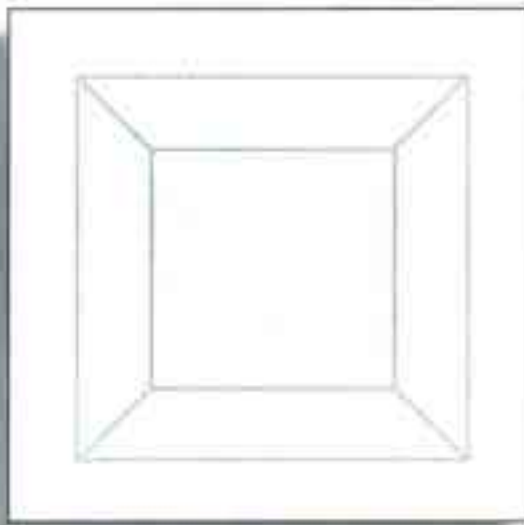
115

(600×600) ϕ 2



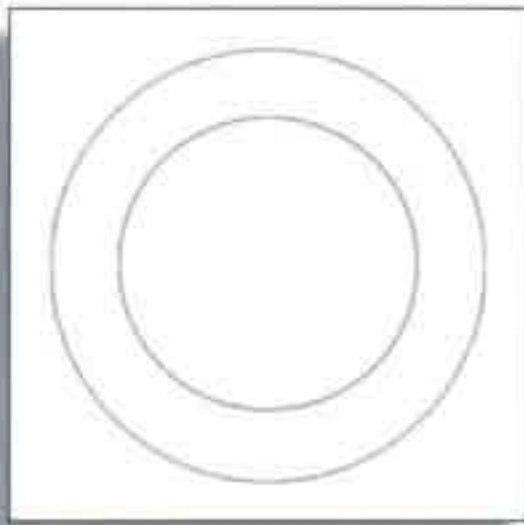
116

(500×500) ϕ 3
(600×600) ϕ 3 49格



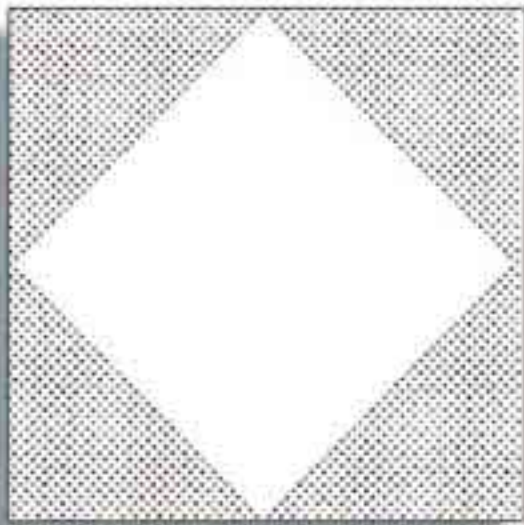
117

(300×300)
(500×500)
(600×600)



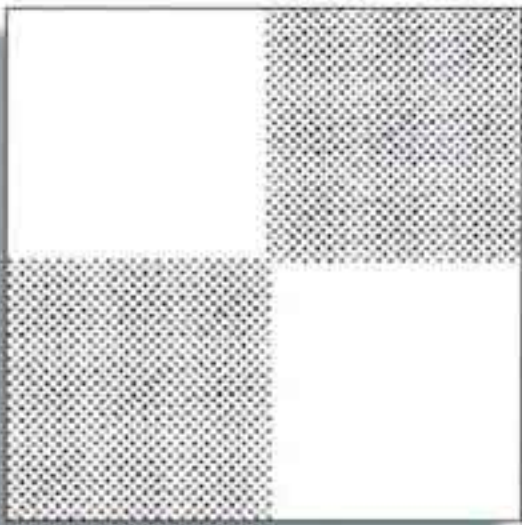
118

(600×600)



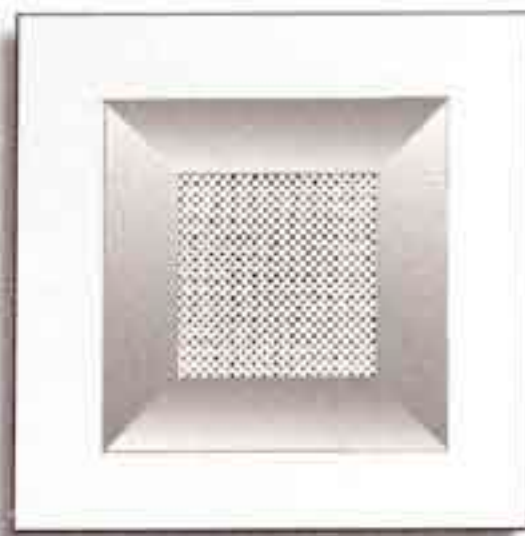
119

(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3



120

(400×400) ϕ 3 ϕ 1.8
(500×500) ϕ 3 ϕ 1.8
(600×600) ϕ 3 ϕ 1.8



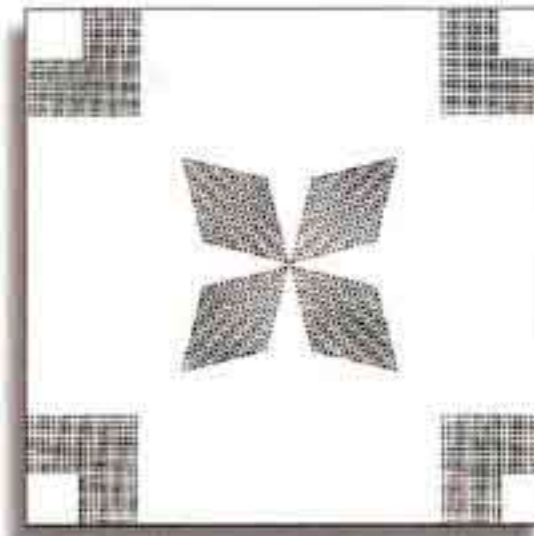
121
(600×600) ϕ3



122
(600×600) ϕ3



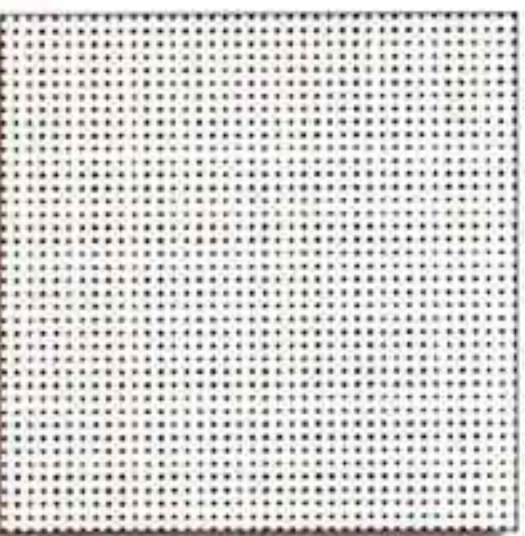
123
(300×300) (400×400)
(500×500) (600×600)
(600×1200) (300×1200)
(300×600)



124
(600×600) ϕ2.5



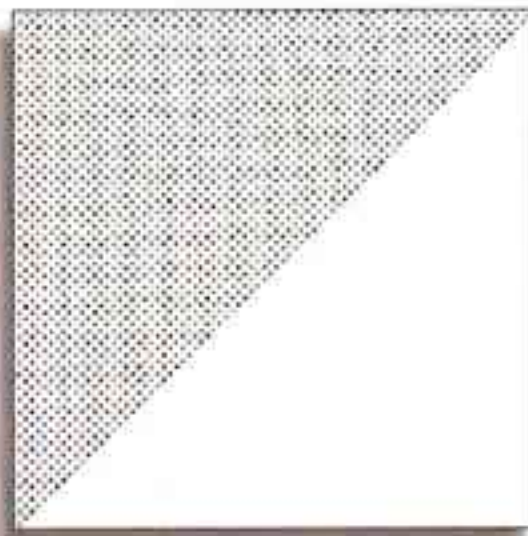
128
(600×600) ϕ2.5



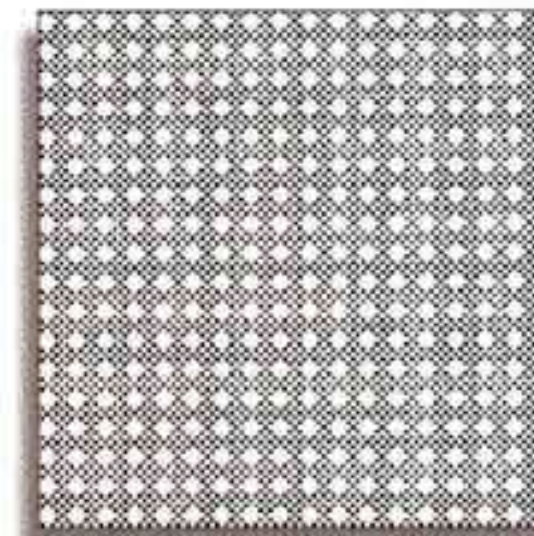
129
(300×300) ϕ1.8 (300×600) ϕ1.8
(400×400) ϕ1.8 (500×500) ϕ1.8
(600×600) ϕ1.8 (600×1200) ϕ1.8
(300×1200) ϕ1.8



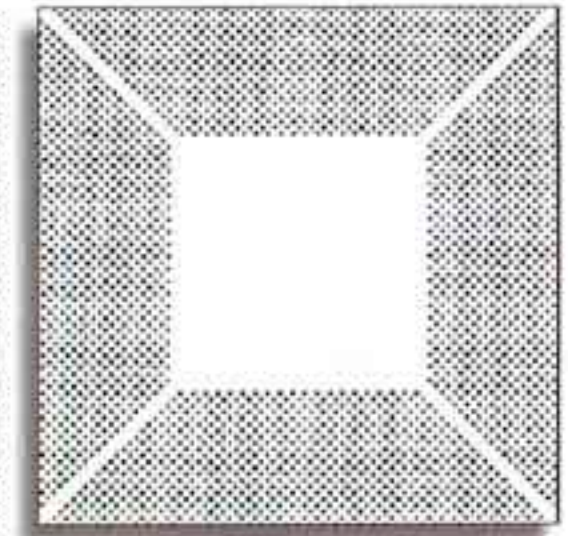
130
(600×600)



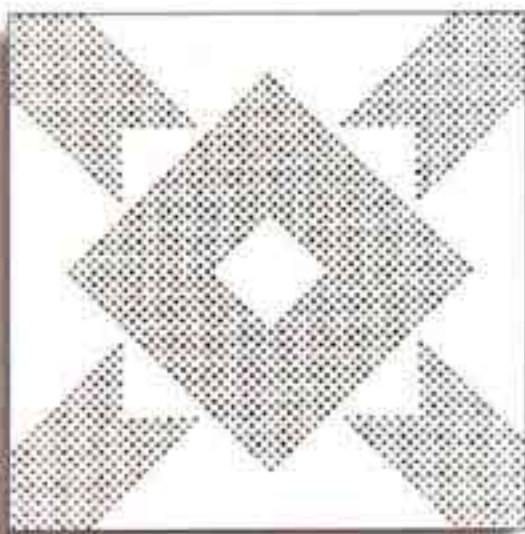
131
(400×400) ϕ3
(500×500) ϕ3
(600×600) ϕ3



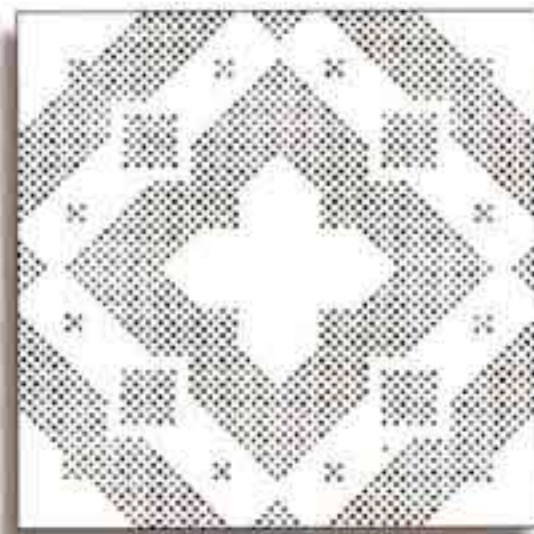
133
(300×300) ϕ1.8 (18×18)
(400×400) ϕ1.8
(500×500) ϕ1.8
(600×600) ϕ1.8 (38×38)



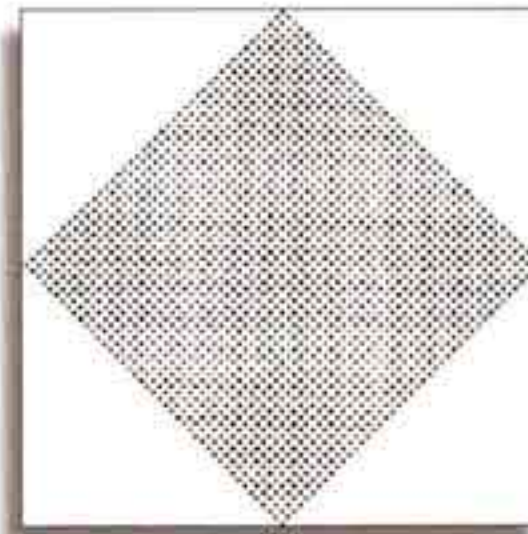
134
(400×400) ϕ3
(500×500) ϕ3
(600×600) ϕ3



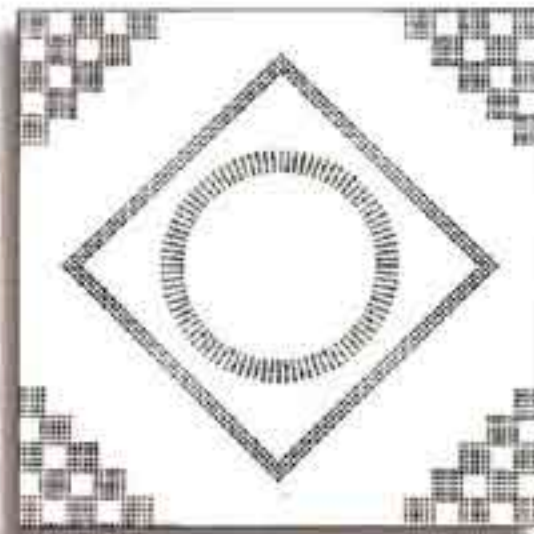
135
(400×400) ϕ3
(500×500) ϕ3
(600×600) ϕ3
(跌级)



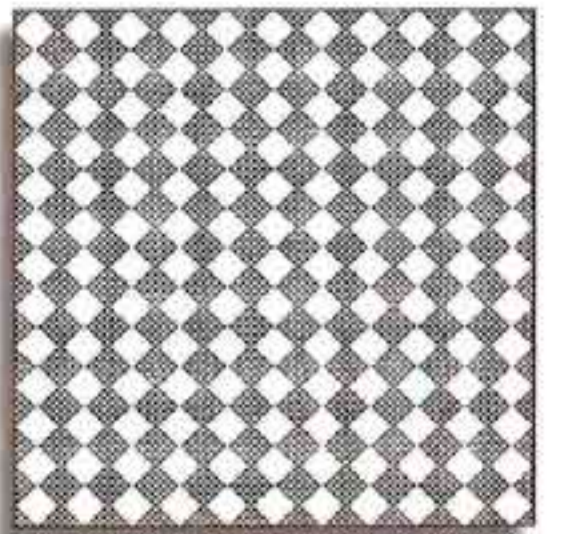
136
(600×600) ϕ3
(跌级)



137
(400×400) ϕ3
(500×500) ϕ3
(600×600) ϕ3
(跌级)



138
(600×600) ϕ2.5



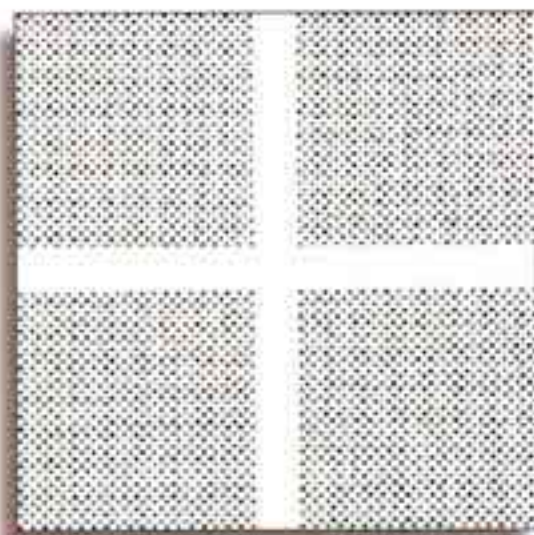
139
(300×300) ϕ1.8 (11×13)
(400×400) ϕ1.8
(500×500) ϕ1.8
(600×600) ϕ1.8 (29×24)



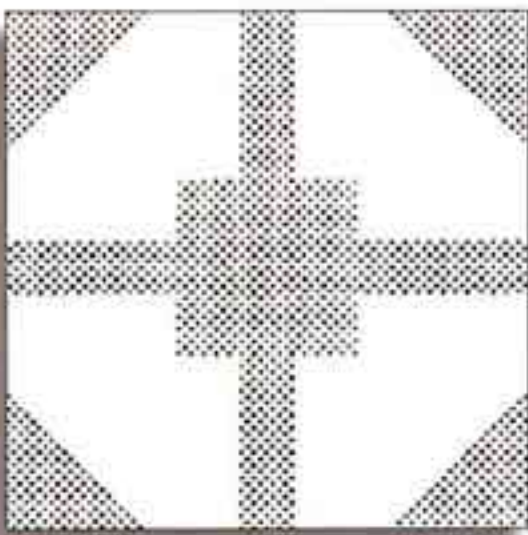
141(上)
(300×300) ϕ3



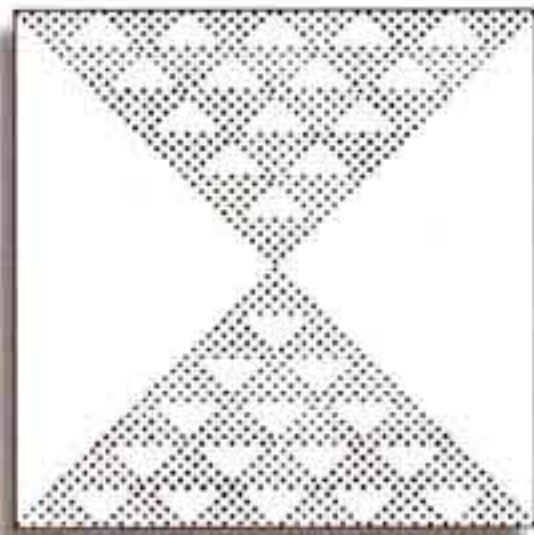
142(下)
(300×300) ϕ3



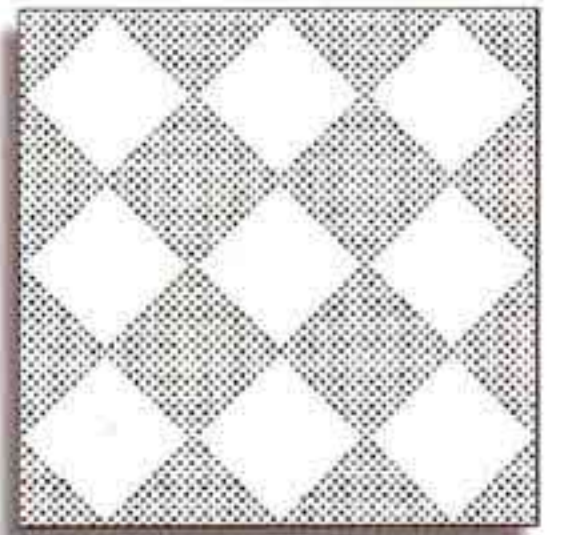
146
(400×400) ϕ3 ϕ1.8
(500×500) ϕ3 ϕ1.8
(600×600) ϕ3 ϕ1.8



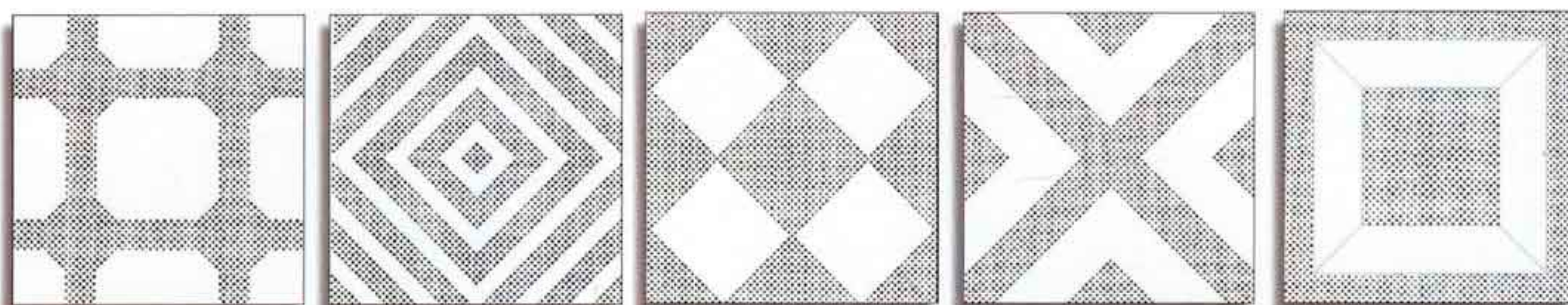
147
(400×400) ϕ3
(500×500) ϕ3
(600×600) ϕ3



149
(400×400) ϕ3
(500×500) ϕ3
(600×600) ϕ3



152
(600×600) ϕ3



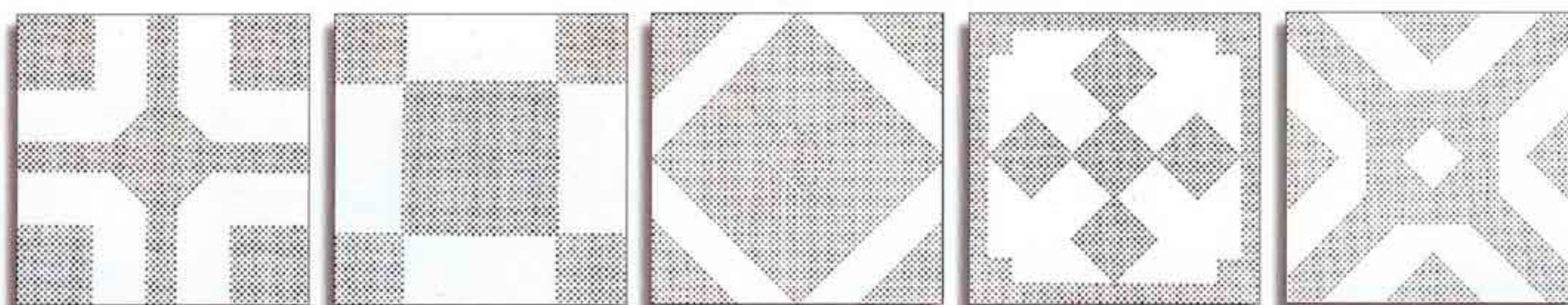
153
(600×600) ϕ 3

154
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3

155
(600×600) ϕ 3

156
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3

157
(600×600) ϕ 3



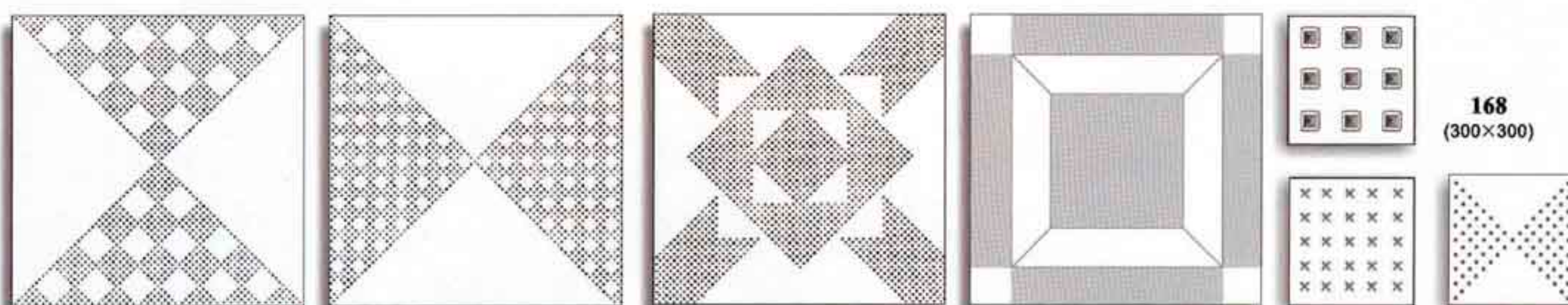
158
(500×500) ϕ 3
(600×600) ϕ 3

159
(500×500) ϕ 3
(600×600) ϕ 3

160
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3

161
(600×600) ϕ 3

162
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3



163
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3

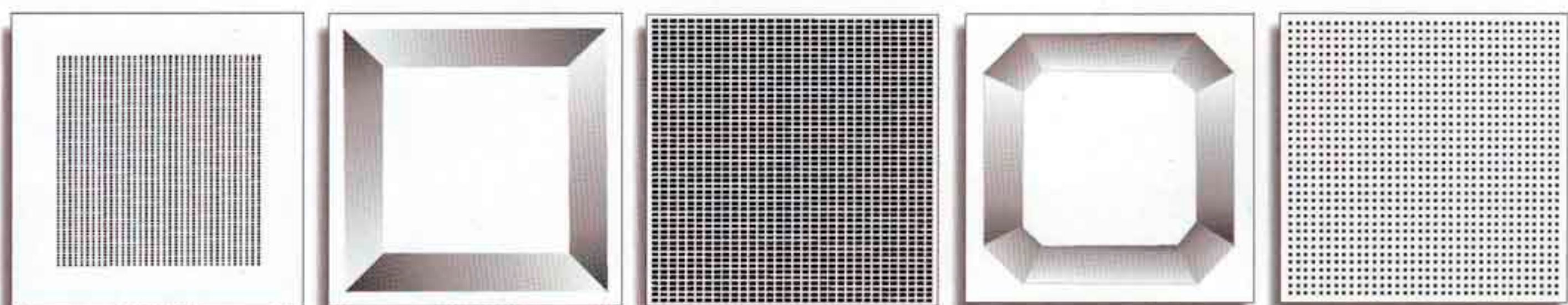
164
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3

165
(400×400) ϕ 3
(500×500) ϕ 3
(600×600) ϕ 3

167

170
(300×300)

169
(300×300)



171
(600×600) ϕ 1.8

172
(600×600)

173
(600×600)

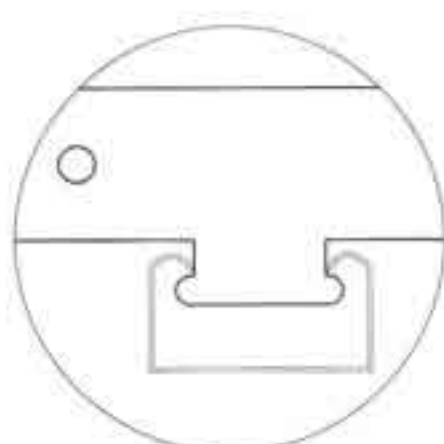
174
(600×600)

175
(600×600)



	NAME: Square groove panel ceilings		NAME: Suspension bolt (Options) 6-8mm
	NAME: Panel carrier		NAME: 38# Main carrier suspension bracket (Options)
	NAME: Hanger		NAME: 38# Main carrier (Options)
	NAME: Expansion screw (Options)		NAME: 38# main carrier connector (Options)

Size 30X15X1000-3000
50X25X1000-3000



Ceiling Cross-section

30, 50mm width square groove panels:

This product is widely used in public projects. They are easy to install and maintain, good for air flowage. They look strong, harmonious and three-dimensional.

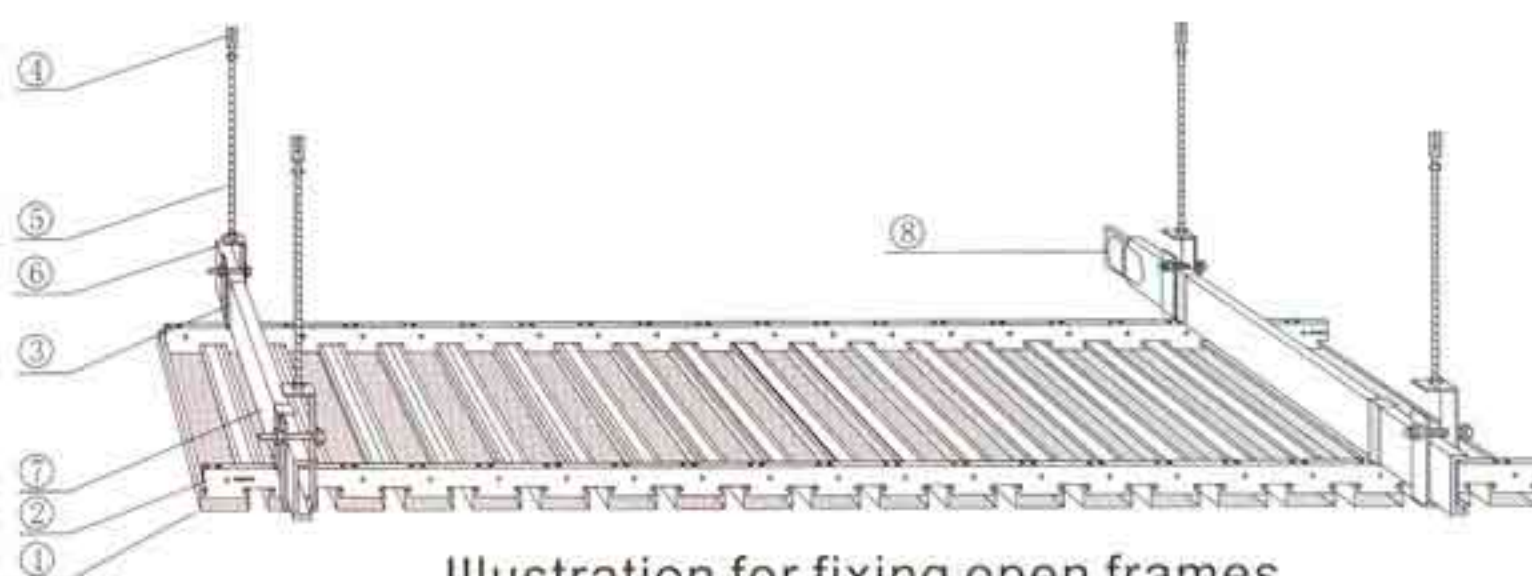
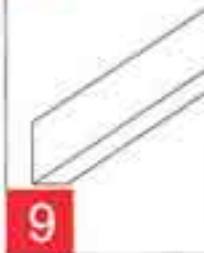
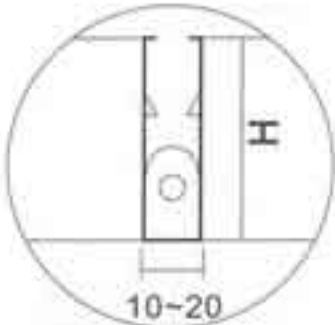


Illustration for fixing open frames



	NAME: Main carrier
	NAME: Horizontal carrier
	NAME: Hanger
	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options) ≈ 8mm
	NAME: 38# Main carrier suspension bracket (Options)
	NAME: 38# Main carrier (Options)
	NAME: 38# main carrier connector (Options)
	NAME: L-Shaped angle (Options)



Grille Ceiling Cross-section

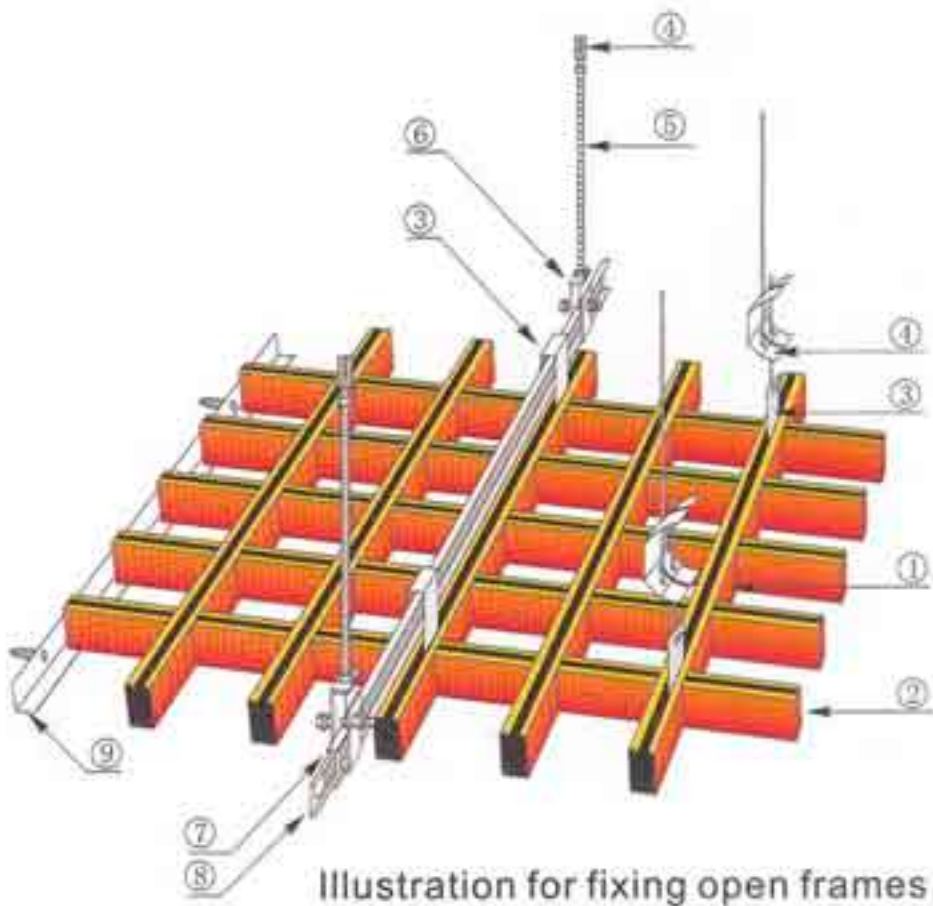
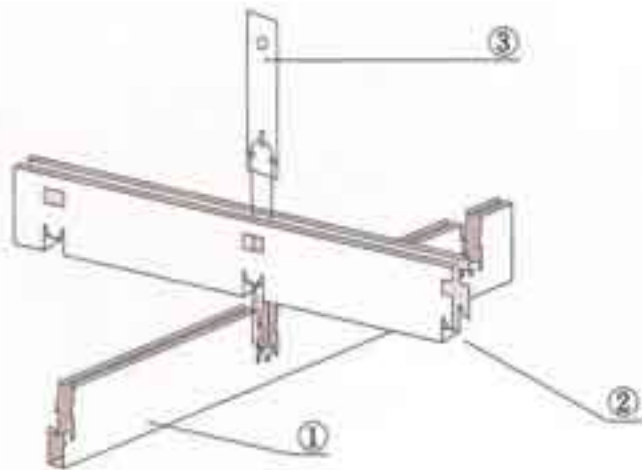
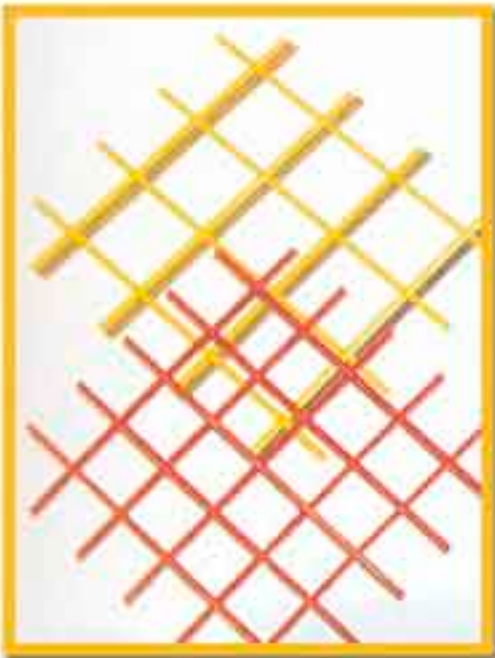


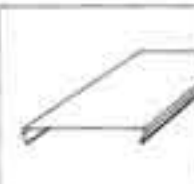
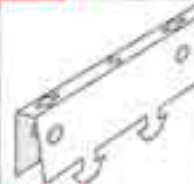
Illustration for fixing open frames

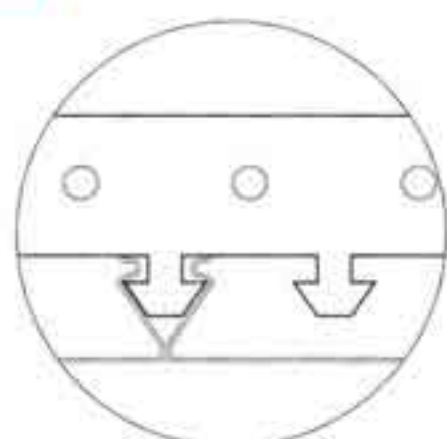
Grille ceilings are widely used in big-scale stores and other public areas
Characteristics:
Very good sound absorbtion and air flowage

Grille specifications and sizes(mm)



- 50X50
- 75X75
- 100x100
- 110X110
- 125X125
- 150x150
- 200X200
- 250X250

	NAME: C-Shaped stripe panel
	NAME: Panel carrier
	NAME: Hanger
	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options) 6~8mm
	NAME: 38#Main carrier suspension bracket (Options)
	NAME: 38#Main carrier (Options)



Ceiling Cross-section

C Size

C75X1000-3000mm

C100X1000-3000mm

C150X1000-3000mm

C200X1000-3000mm

C300X1000-3000mm

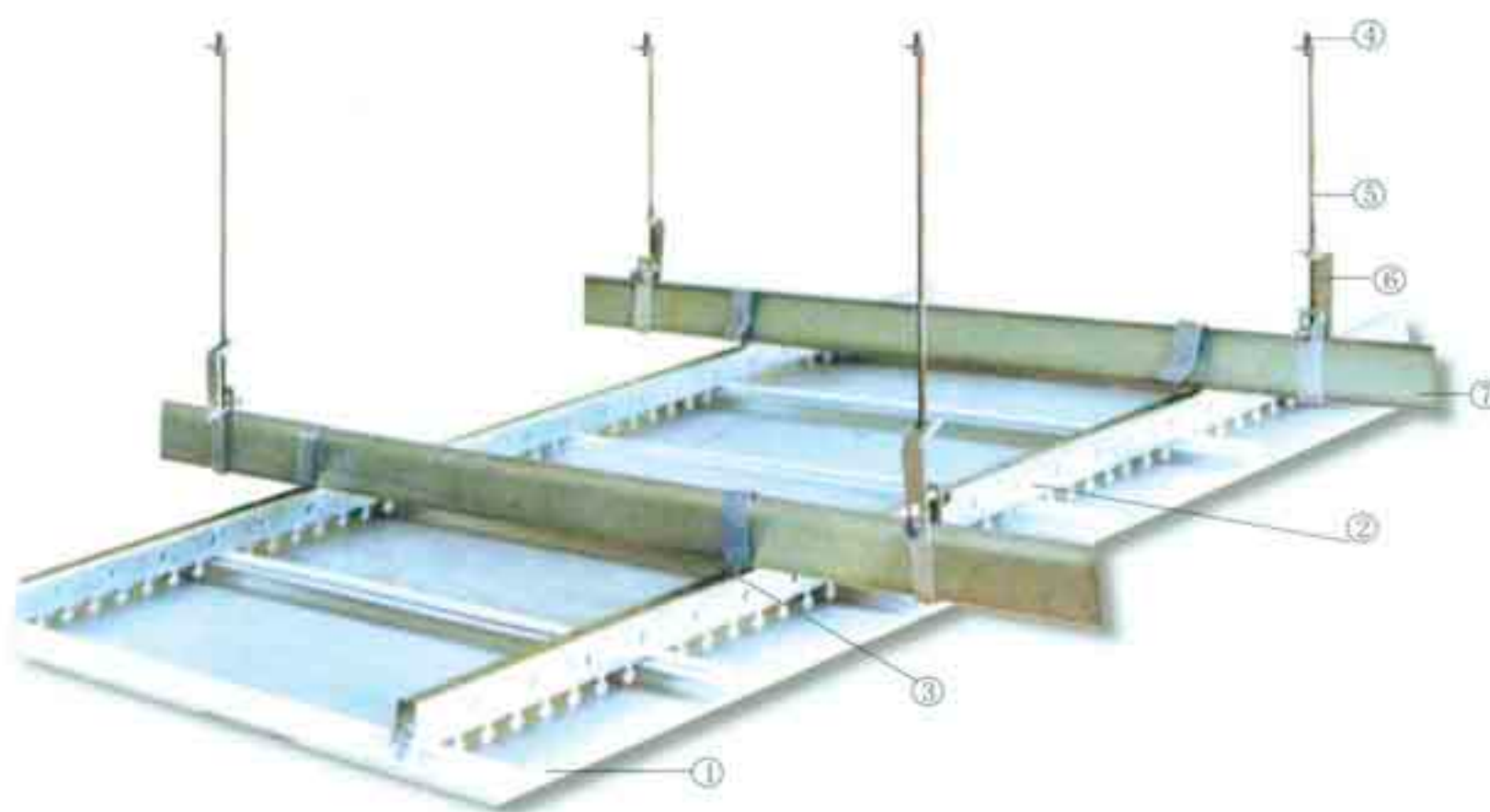


Illustration for C-Shaped stripe installation



 1	NAME: G-Shaped stripe panel	 7	NAME: 38#Main carrier (Options)
 2	NAME: Panel carrier		
 3	NAME: Hanger		
 4	NAME: Expansion screw (Options)		
 5	NAME: Suspension bolt (Options) 6~8mm		
 6	NAME: 38#Main carrier suspension bracket (Options)		



Ceiling Cross-section

G Size
H:15mm

G100x1000-3000mm

G200X1000-3000mm

G300x1000-3000mm

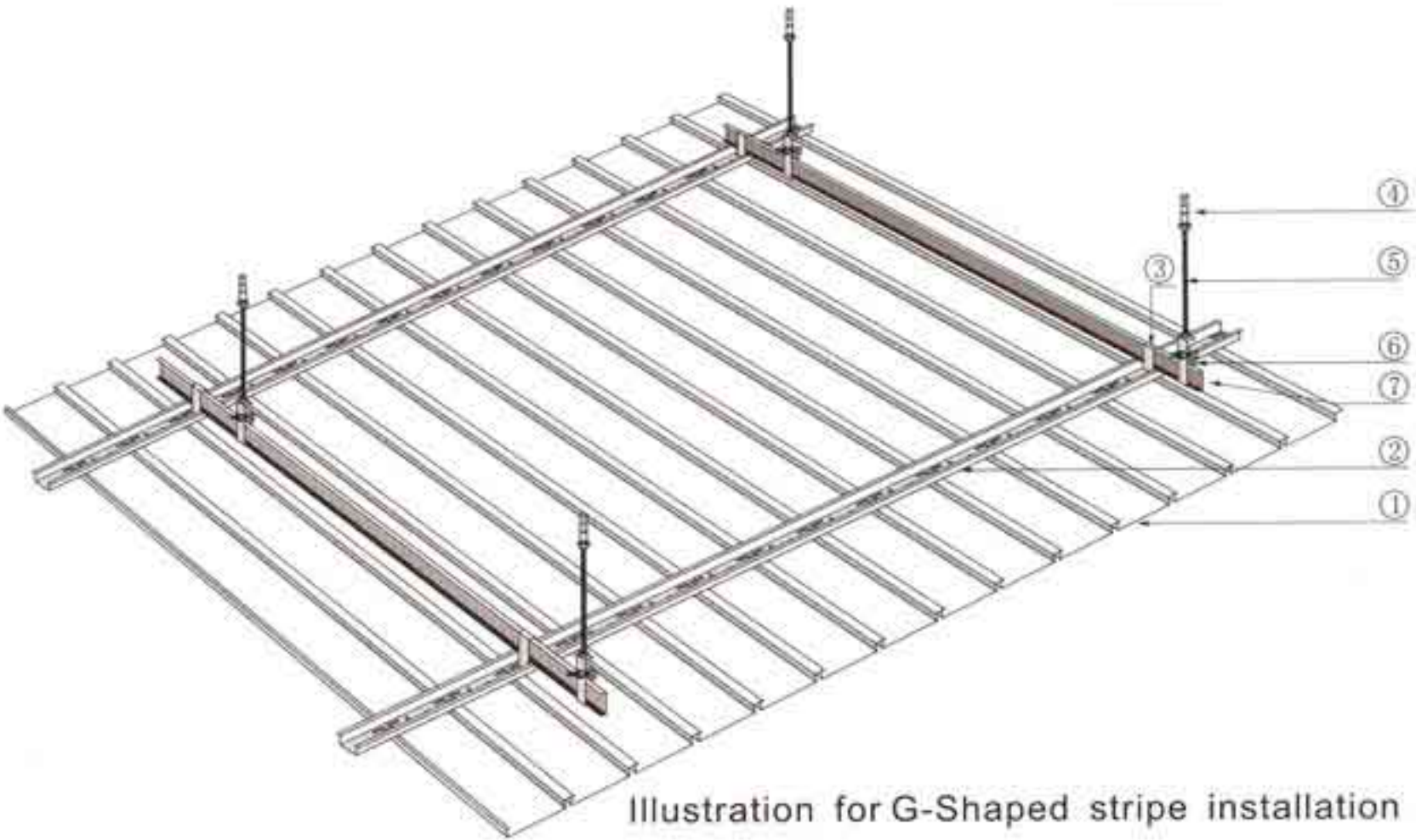
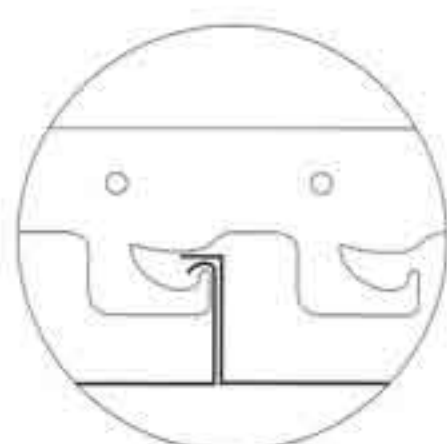


Illustration for G-Shaped stripe installation



1	NAME: A-Shaped stripe panel
2	NAME: Panel carrier
3	NAME: Hanger
4	NAME: Expansion screw (Options)
5	NAME: Suspension bolt (Options) 6≈8mm
6	NAME: 38#Main carrier suspension bracket (Options)
7	NAME: 38#Main carrier (Options)



A-Shaped stripe panel
Cross-section

(A Size)
H:30mm

A 100X1000-3000mm

A 200X1000-3000mm

A 250X1000-3000mm

A 300X1000-3000mm

Custom sizes possible by special request

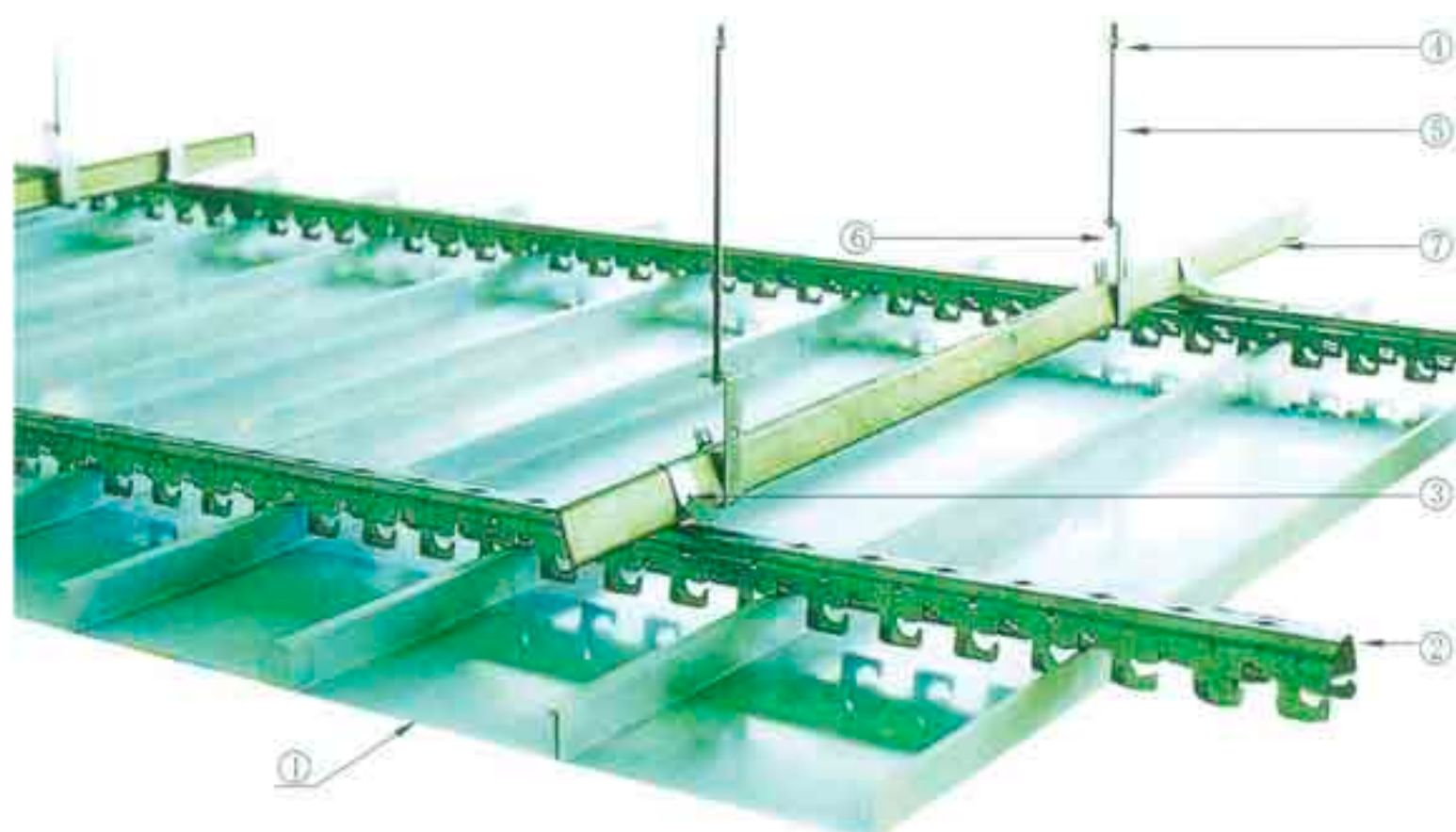


Illustration for A-Shaped stripe installation



	NAME: S-Shaped stripe panel
	NAME: Panel carrier
	NAME: Hanger
	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options) 6~8mm
	NAME: 38#Main carrier suspension bracket (Options)
	NAME: 38#Main carrier (Options)

Smooth simple structure easy to fix, dismantle and maintain.
Great for decorative interior projects.

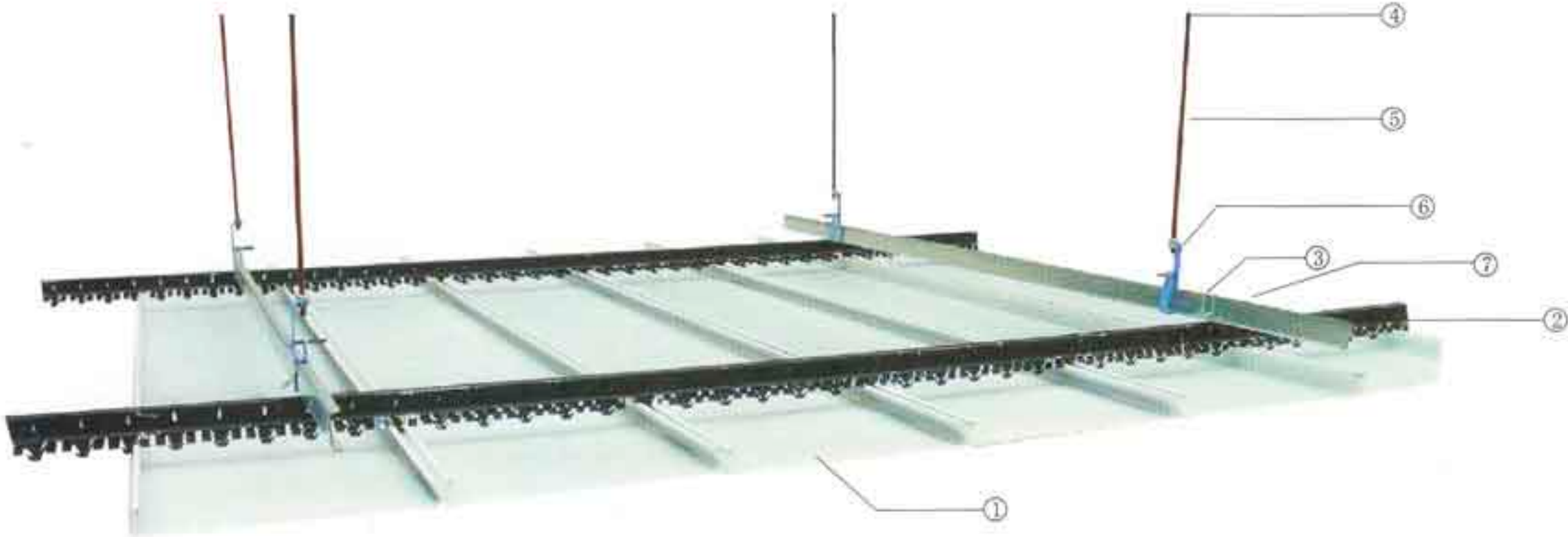
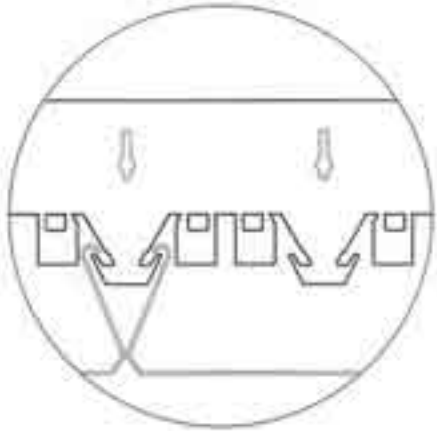


Illustration for S-Shaped stripe installation

Size of S-shaped seamless squared edge ceilings
S300X1000-3000



S-Shaped stripe panel Cross-section

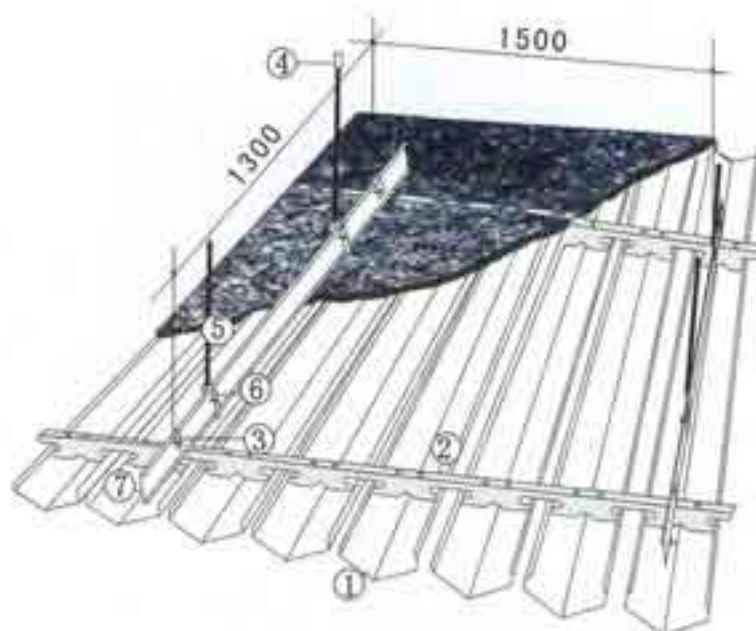
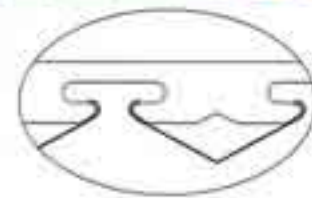
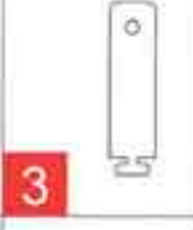
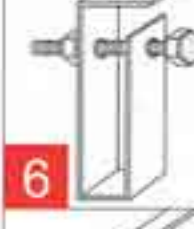
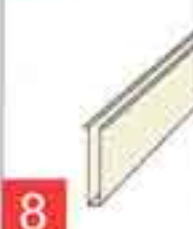
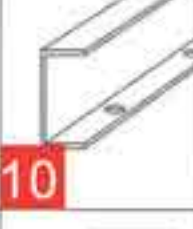
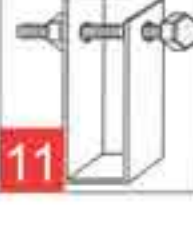


Illustration for
V-Shaped stripe installation

V-Shaped panel ceiling size
85X1000-3000mm



V-Shaped stripe panel
Cross-section

	NAME: V-Shaped stripe panel
	NAME: Panel carrier
	NAME: Hanger
	NAME: Expansion screw (Options)
	NAME: Suspension bolt (Options) 6 ~ 8mm
	NAME: 38#Main carrier suspension bracket (Options)
	NAME: 38#Main carrier (Options)
	NAME: Square groove panel (Options)
	NAME: Square groove panel carrier
	NAME: 38B#Main carrier (Options)
	NAME: 38B#Main carrier suspension bracket (Options)

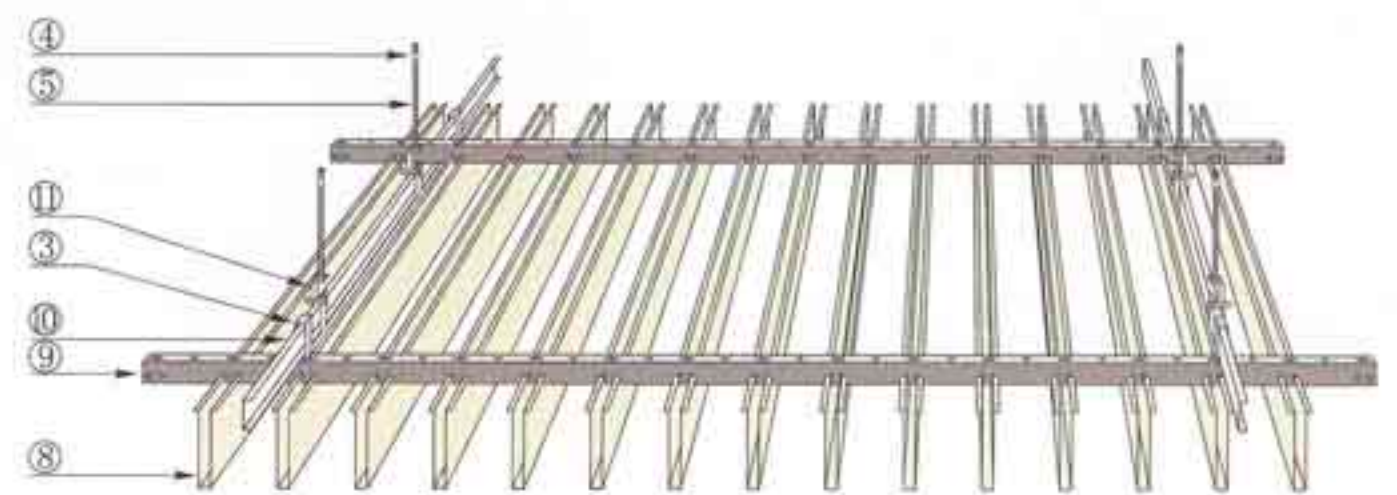
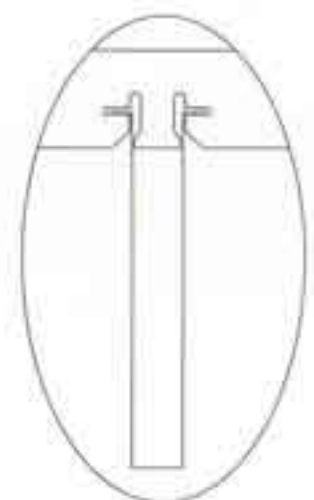


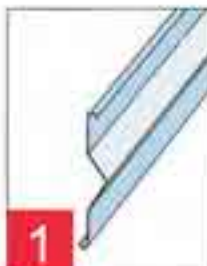
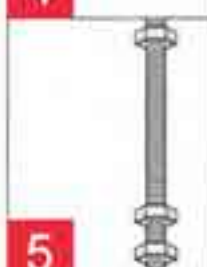
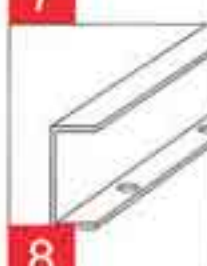
Illustration for Square groove panel ceilings installation

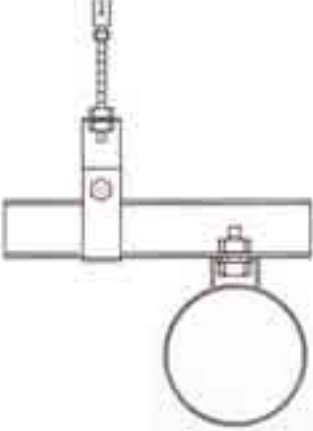
Square groove panel ceiling size
20X100X1000-3000mm



Square groove panel ceilings
Cross-section



 1	NAME: Blade ceiling	 10	NAME: tubeline Ceiling Panel
 2	NAME: Panel carrier	 11	NAME: End Cover
 3	NAME: Hanger	Tubeline Ceiling Panel size Ø50X1000-3000mm	
 4	NAME: Expansion screw (Options)		
 5	NAME: Suspension bolt (Options) 6~8mm		
 6	NAME: 38#Main carrier suspension bracket (Options)	Blade ceiling size 125X1000-3000mm 135X1000-3000mm 150X1000-3000mm Special sizes can be made on customers' demand	
 7	NAME: 38#Main carrier (Options)		
 8	NAME: 38B#Main carrier (Options)		
 9	NAME: 38B#Main carrier suspension bracket (Options)		



Tubeline Ceiling Panel Cross-section

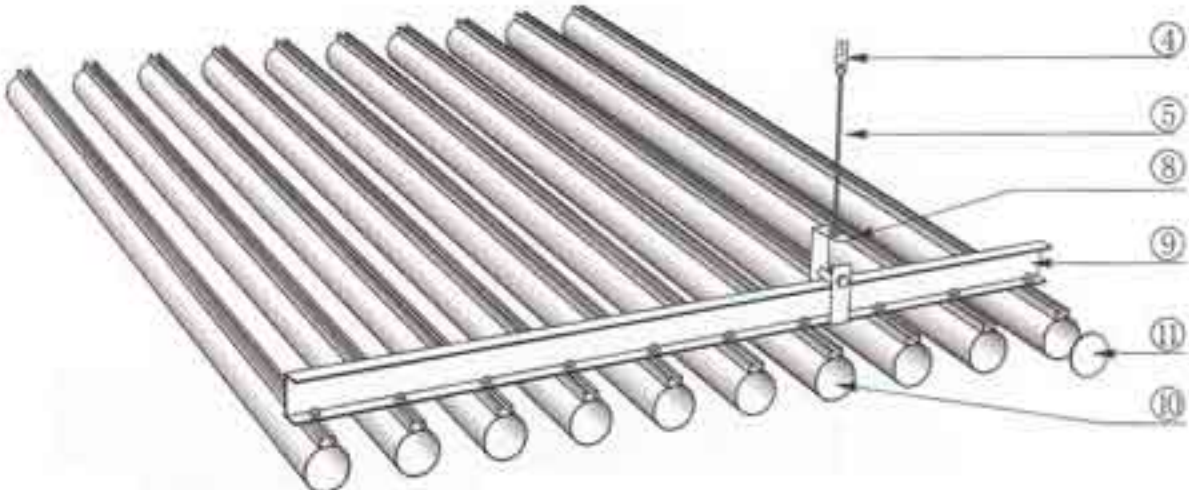


Illustration for Tubeline Ceiling Panel installation



Blade ceiling Cross-section

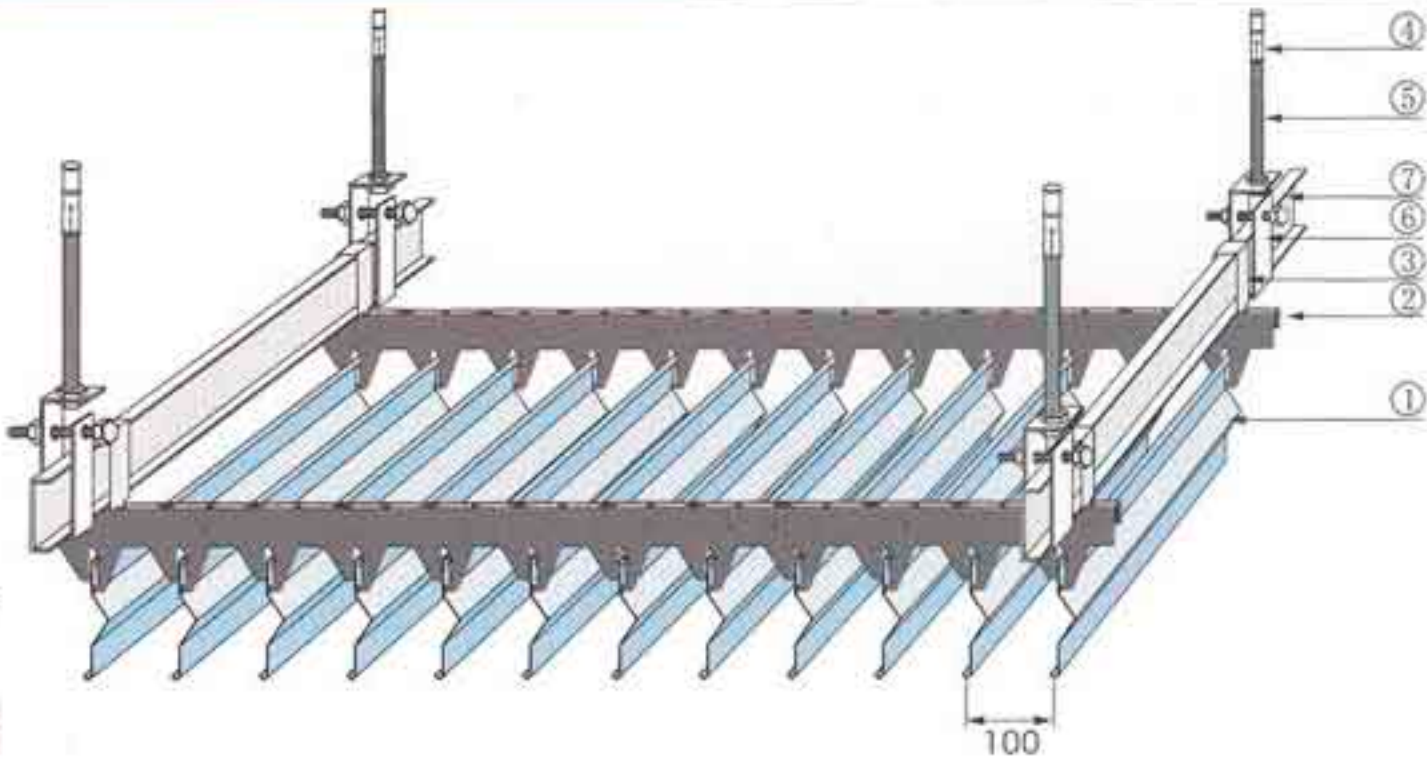


Illustration for blade ceiling installation



Household ceiling series:

High glossed, paint coated square ceilings & strip panels

This new product is made of high tech materials, widely used in kitchens and bathrooms.

Characteristics:

- Last lasting colour
- Fire resistant
- Damp resistant,
- High temperature resistant
- Heat insulating.
- Easy to clean and maintain
- High class, fresh styles, elegant.
- Available in a variety of colours.

High-gloss and prepainted strip panel ceiling size

A100X20X3000 A150X20X3000

G100X15X3000

C100X3000 C150X3000

High-gloss, prepainted square ceiling size

300X300

High-gloss, prepainted steel square ceiling size

300X300



1. Aluminum hung ceiling should be installed according to design. During the installation make sure to firmly connect the hanging points, and ensure they are all level.
2. It is recommended to utilize the specialized high-grade engineered carriers and necessary accessories produced by our Company.
3. Installation of hung ceilings should occur only after all doors, windows, and general finishing has been completed as well as all plumbing and fire sprinklers tested.
4. Aluminum hung ceilings are generally light and not designed to bear any heavy weight. If a ceiling is designed to be strong enough to hold up a person, heavy-duty carriers must be used on installation. Heavy objects such as large decorative lights etc. must not be hung directly to the carriers. Hanging points must be specially design for any such heavy objects.
5. It is recommended to wear clean gloves while fixing aluminum ceiling panels, lest the panels be contaminated. Pat lightly the 4 edges of the panel while fixing it with closed frames so as not to force it into the frames. Do not press the center of the panels so as to avoid deformation or buckling.
6. Aluminum ceiling panels are not recommended to be fixed in an environment with chemical gasses, otherwise it will cause discoloration of the coating.

Notes for Transportation and Storage

1. While transporting, there must be iron angle protections at positions between the binding bands and the cartons of panels, lest the cartons should be damaged. While unloading, the cartons must be handled with care in accordance with the direction indicated by arrows on the cartons.
2. In storage, aluminum ceiling panels should be supported by wooden pallets 15 cm higher than the floor and with a distance of 40 cm from the walls. Do not stack more than 3 cartons high.
3. In transportation and storage, please pay attention to the warning signs of the cartons.

10 Years Quality Guarantee

The installation of SUPERTEC aluminum ceiling panels and SUPERTEC high grade engineering carriers, must be carried out in strict accordance with the Operation Instructions in the User's Manual, as well the following guidelines adhered to.

1. SUPERTEC aluminum ceiling panels and SUPERTEC high-grade engineering carriers must be purchased from SUPERTEC CEILINGS & BOARD (Pty) Ltd. and the hung ceilings are to be installed by qualified construction personel.
2. These products are not recommended to be fixed in an environment with chemical gases, otherwise it will cause discolouration of the coating.
3. Damages to the products caused by transportation, storage and construction are not included in the guarantee.
4. The ceiling panels and carriers must be stored in dry, clean place. Be sure not to put any weight on top of them.
5. Having adhered to the above-mentioned conditions, should defects be found in the product which are by nature as a result of manufacture, SUPERTEC CEILINGS & BOARD (Pty) Ltd must be advised within 15 days from date of delivery and after verifying that the defects were caused by production, we will provide, free of charge, the buyer with replacement products of the same models as those of the defected products. we can not consider any consequential losses however Should you require any further information concerning SUPERTEC metal ceilings, please call us or visit our website: www.supertecceilings.co.za





