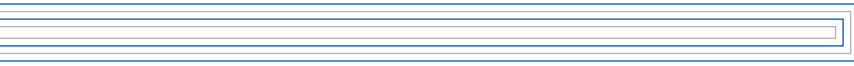
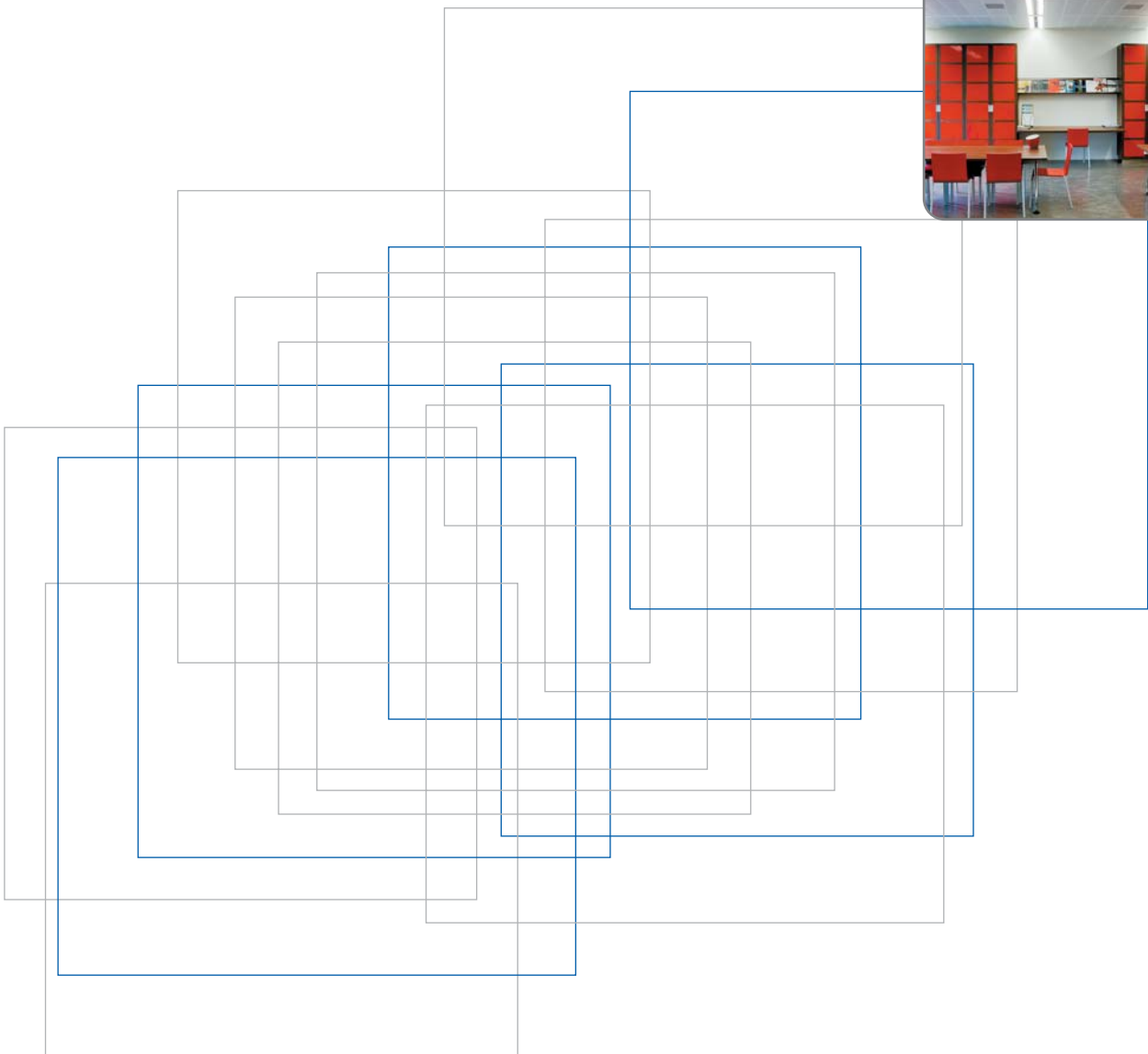
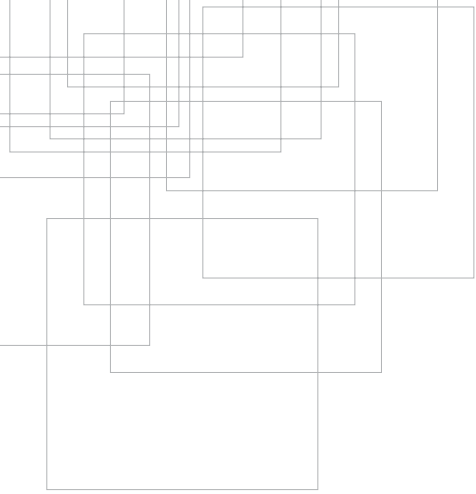


# PLANK



## METAL CEILING SYSTEMS





**INTEGRA TILE**



**INTEGRA PLANK**



**INTEGRA OPEN CELL**



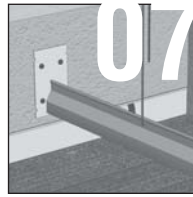
**INTEGRA EXPANDED**



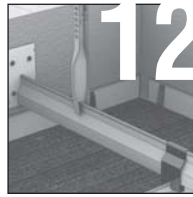
**INTEGRA SPECIALS**



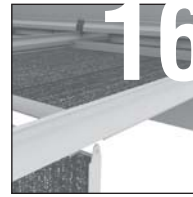
**CLIP-IN PLANK**



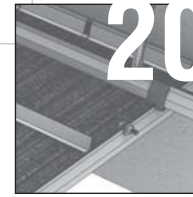
CLIP-IN  
HEAVY DUTY



CLIP-IN  
HEAVY DUTY NONIUS

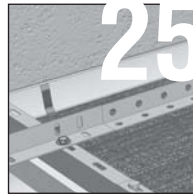


CLIP-IN  
HINGE-DOWN

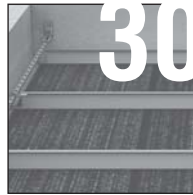


CLIP-IN EXTERIOR SYSTEM

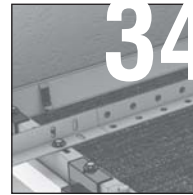
**HOOK-ON PLANK**



HOOK-ON

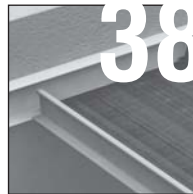


HOOK-ON CORRIDOR



HOOK-ON EXTERIOR SYSTEM

**LAY-IN PLANK**

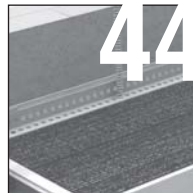


LAY-IN

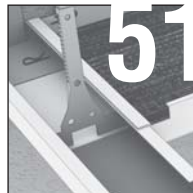


LAY-IN CORRIDOR

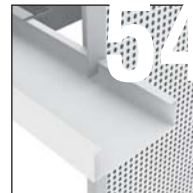
**PERSPEKTA PLANK**



PERSPEKTA C  
BANDRASTER



PERSPEKTA C  
BANDRASTER NONIUS

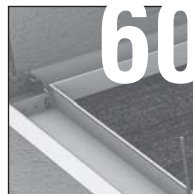


PERSPEKTA C  
BANDRASTER  
HINGE-DOWN



PERSPEKTA D  
BANDRASTER NONIUS

**NORMA GRID PLANK**



NORMA GRID

**ADDITIONAL INFORMATION**



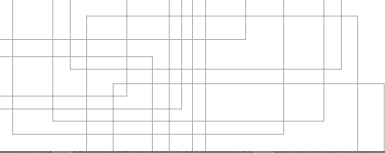
64 WALL JOINTING DETAILS  
INTEGRATION AND LIGHTING  
COLOUR AND PATTERN  
PERFORATION  
ACOUSTICS  
FIRE  
MAINTENANCE GUIDE

## INTEGRA PLANK

Integra Plank offers a greater degree of freedom to architects and business owners that require a wider choice of alternatives, regarding form and dimension, in order to meet the various needs of any given space while also fulfilling the respective acoustic and aesthetic requirements.







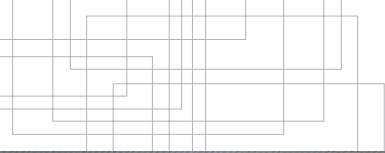


CLIP-IN

## CLIP-IN HEAVY DUTY

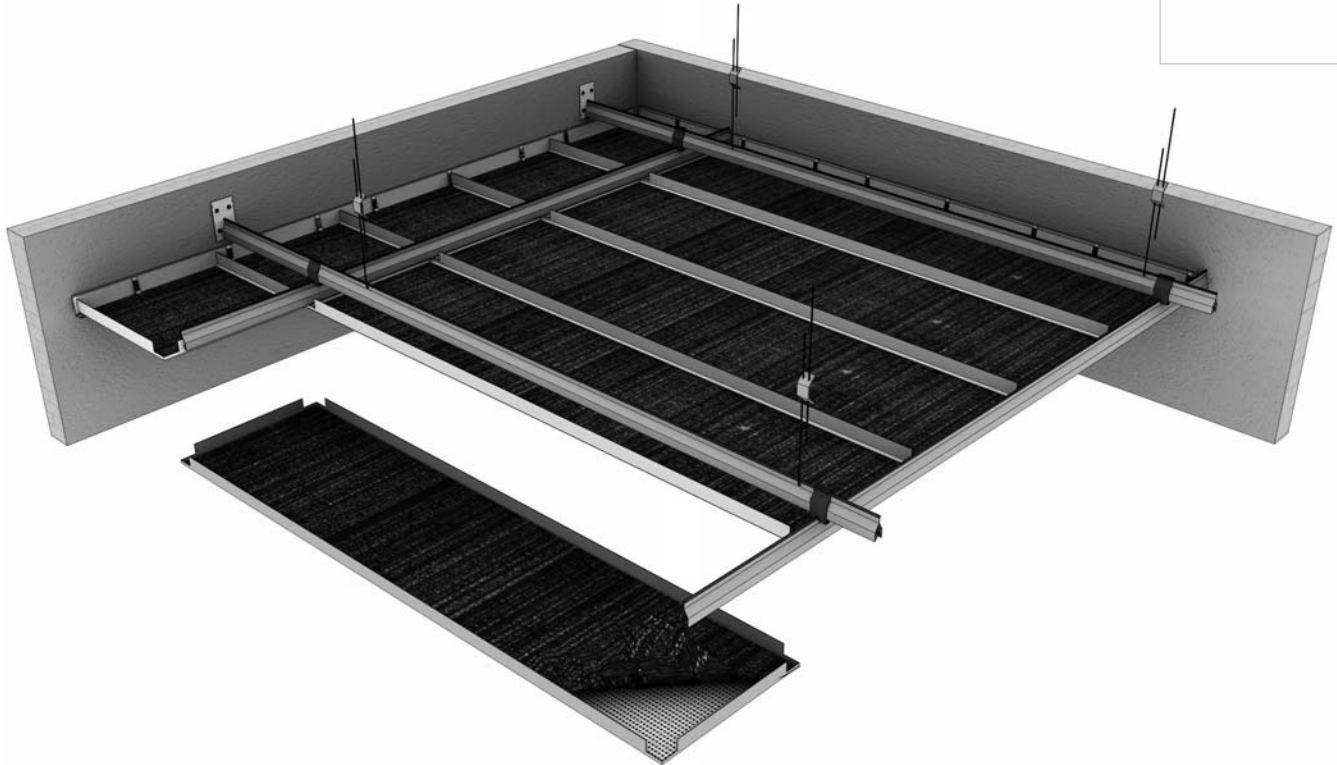
Integra Clip-in panels with their Heavy Duty Clip-in profiles offer the advantage of quick demounting and easy access to the plenum.

It is recommended to use Hook-on system instead of Clip-in system for project in which one panel is bigger than 1 sqm.





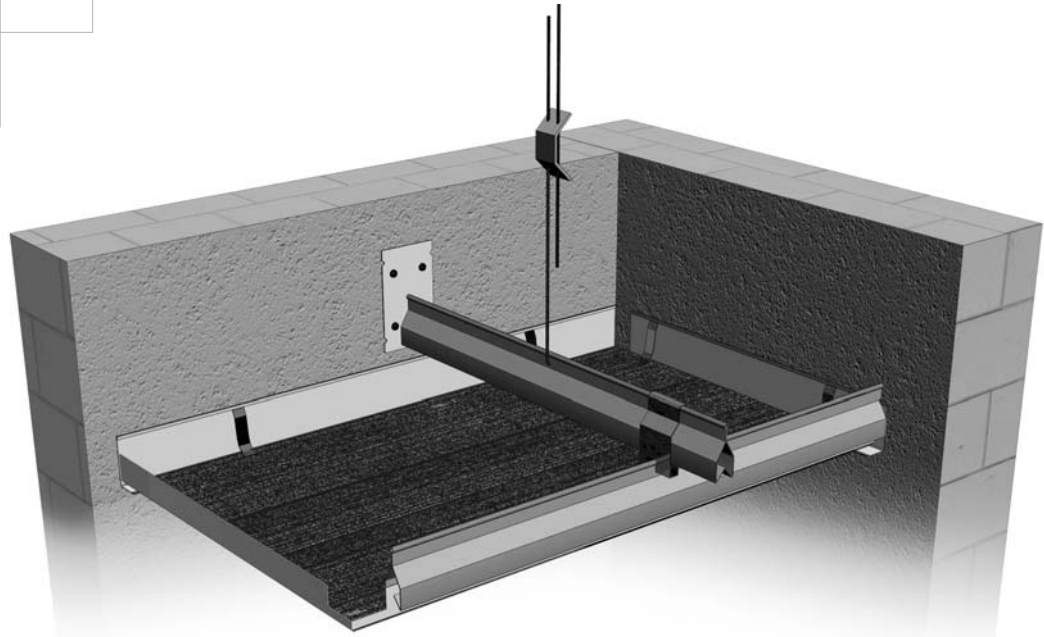
## CLIP-IN HEAVY DUTY



---

<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested.</li></ul> (For detailed information on colours pls. see pp. 71-73)
<b>Areas of Use</b>	Offices, production facilities, airports, shopping centers,
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

# CLIP-IN HEAVY DUTY



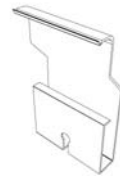
## Accessories



**01**

**52010024 KPH-40 Heavy Duty Clip-in Profile**

Dimensions (mm)	16x38,5x4000x0,6
Packaging Details	40 m/carton
Weight	0,513 kg/m



**03**

**52010025 KPC-44 Heavy Duty Clip-in Profile Coupling Clip**

Dimensions (mm)	
Packaging Details	100 pc/carton
Weight	0,013 kg/pc



**02**

**13011128 HDVC/4 Double Spring Clip**

Dimensions (mm)	
Packaging Details	500 pc/carton
Weight	0,0082 kg/pc

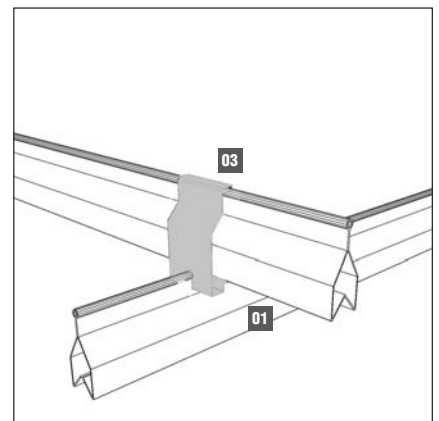
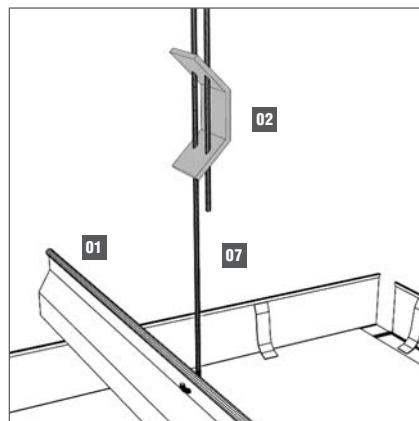


**04**

**52010012 KPS 42 Heavy Duty Clip-in Profile Splice**

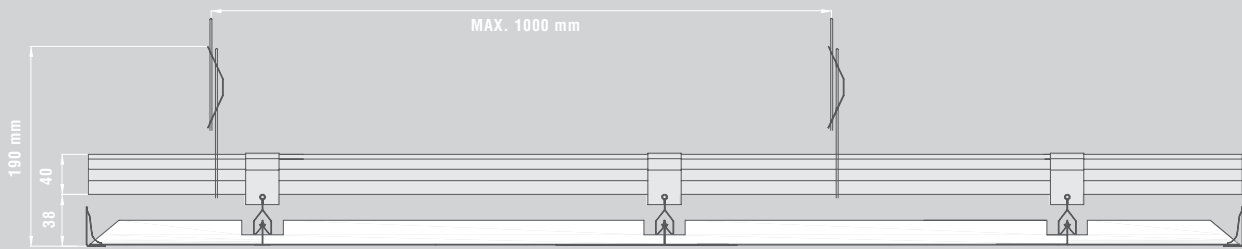
Dimensions (mm)	14,7x100x0,5
Packaging Details	100 pc/carton
Weight	0,019 kg/pc

## Accessories Joint Details

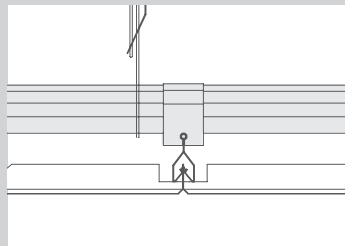


# CLIP-IN HEAVY DUTY

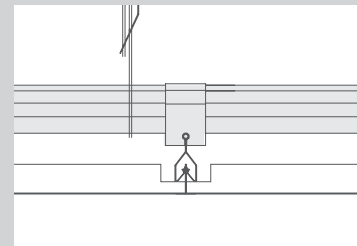
## SYSTEM DETAIL



## EDGE OPTIONS



BEVELLED



SQUARE



05

### 52040967 WL-3000 L Wall Angle

Dimensions (mm)	20x40x3000x0,6
Packaging Details	60 m/carton
Weight	0,95 kg/pc



07

### 17010104 DST-01 Hanger wire

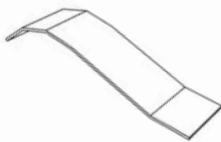
Dimensions (mm)	1000
Packaging Details	500 pc/carton
Weight	0,10 kg/pc



08

### 17020101 TP-02 Steel Anchor

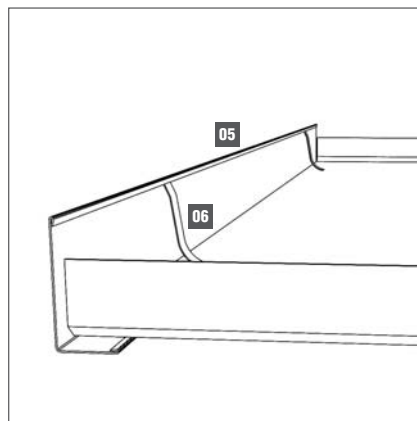
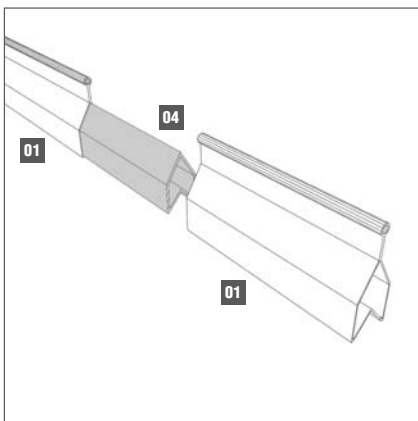
Dimensions (mm)	
Packaging Details	500 pc/carton
Weight	0,018 kg/pc



06

### 52010022 WKT-1 Wedge Clip

Dimensions (mm)	
Packaging Details	1000 pc/carton
Weight	0,0017 kg/pc



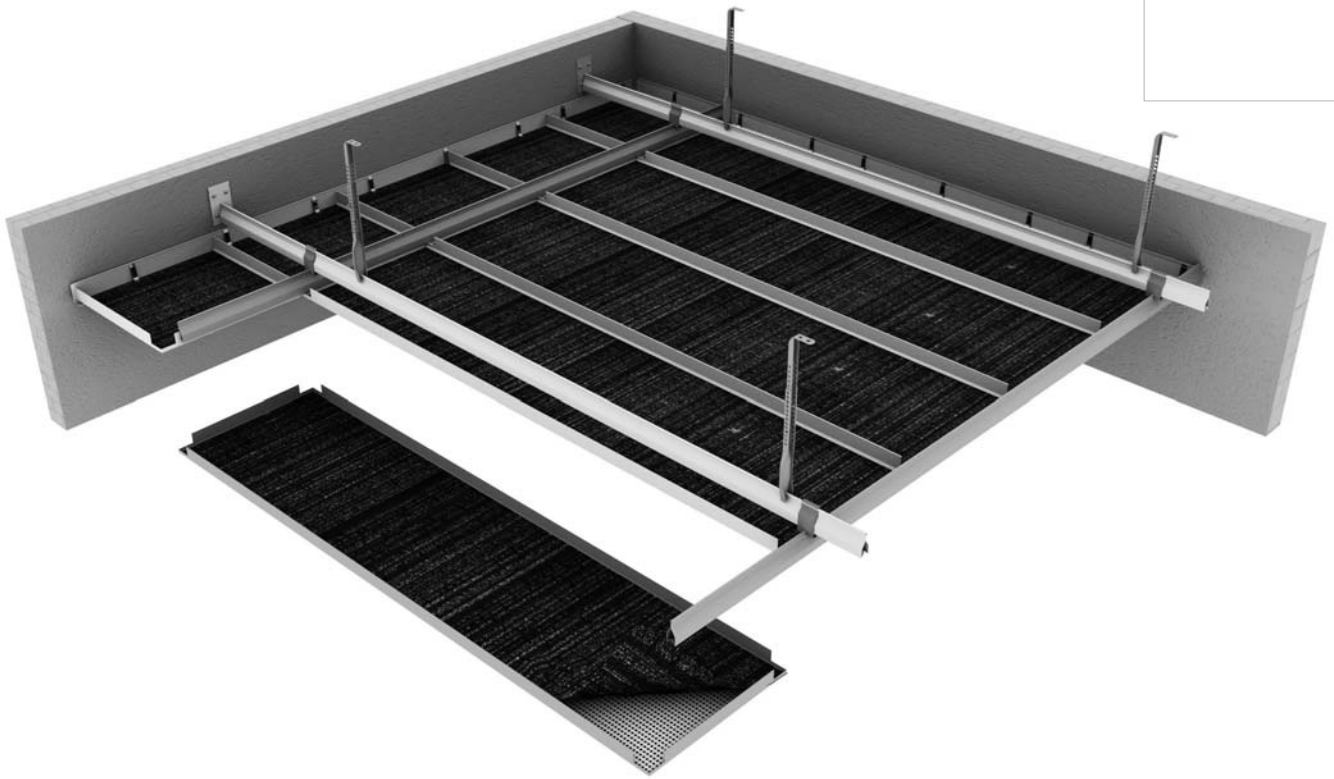


## **CLIP-IN HEAVY DUTY NONIUS**

Integra Plank Clip-in Nonius Hanging Systems are a relatively rigid system owing to the utilization of both the Clip-in Heavy Duty (high load bearing capacity) profile and the Nonius Hanging System. When required they can be quickly and easily demounted independent of one another, thus facilitating ease of access to the plenum.



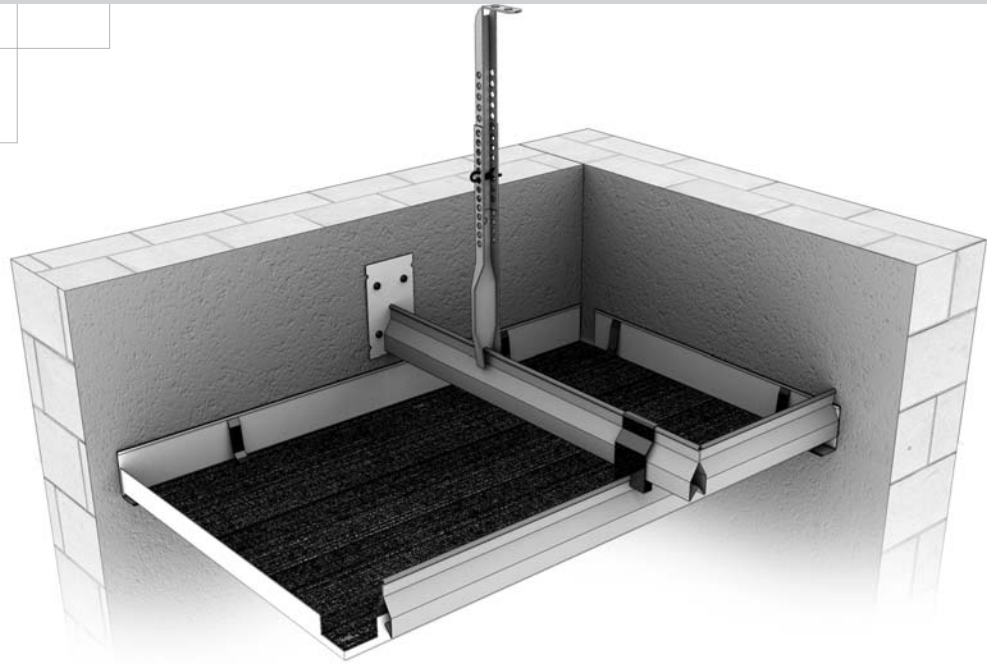
## CLIP-IN HEAVY DUTY NONIUS



<b>Material</b>	Galvanized Steel, Aluminum	
<b>Dimensions</b>	Width: 200 - 1200 mm	Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,	
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)	
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>	
<b>Areas of Use</b>	Airports, shopping centers, metro stations, sports halls	
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)	
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)	



## CLIP-IN HEAVY DUTY NONIUS



### Accessories



**01**

**52010024 KPH-40 Heavy Duty Clip-in Profile**

Dimensions (mm)	16x38,5x4000x0,6
Packaging Details	40 m/carton
Weight	0,513 kg/m



**03**

**52030025 NU-100 Nonius Rigid Hanger (Upper part)**

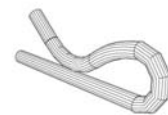
Dimensions (mm)	1000
Packaging Details	100 pc/carton
Weight	0,015 kg/pc



**02**

**52030024 HD-NA Heavy Duty Nonius Rigid Hanger (Lower part)**

Dimensions (mm)	190
Packaging Details	100 pc/carton
Weight	0,04 kg/pc

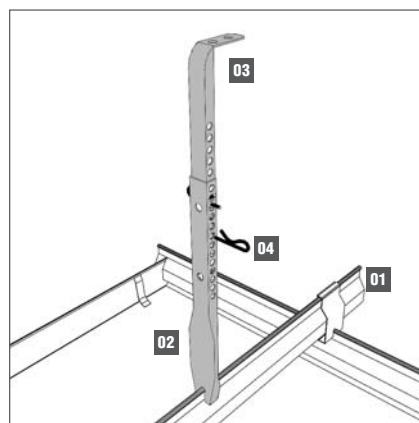


**04**

**52030026 1/14 Connecting Pin**

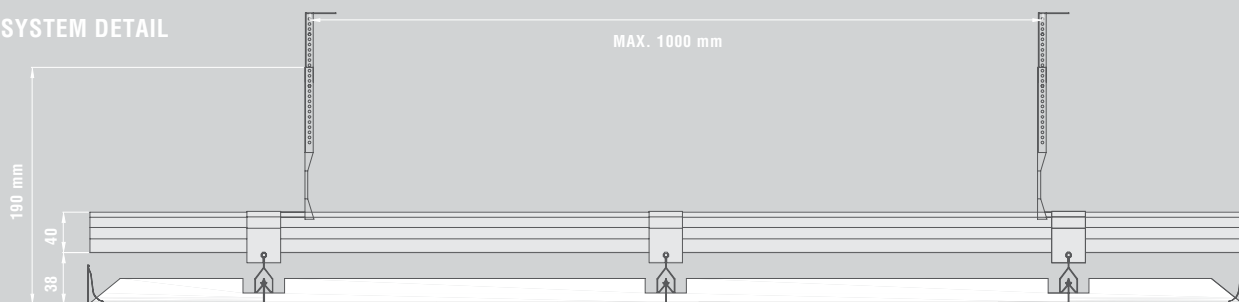
Dimensions (mm)	
Packaging Details	200 pc/carton
Weight	0,006 kg/pc

### Accessories Joint Details

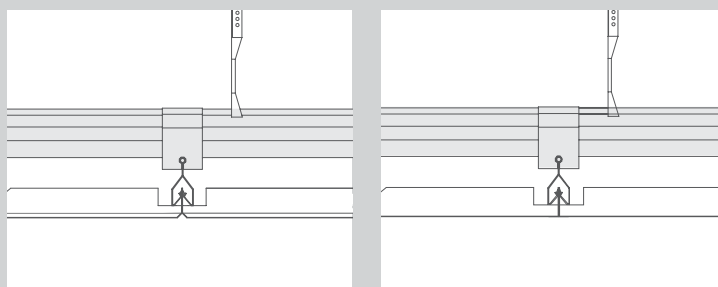


# CLIP-IN HEAVY DUTY NONIUS

## SYSTEM DETAIL



## EDGE OPTIONS



BEVELLED

SQUARE

05



**52010025 KPC-44 Heavy Duty Clip-in Profile Coupling Clip**

Dimensions (mm) 30x52x1,0  
 Packaging Details 100 pc/carton  
 Weight 0,013 kg/pc

07



**52040967 WL-3000 L Wall Angle**

Dimensions (mm) 20x40x3000x0,6  
 Packaging Details 60 m/carton  
 Weight 0,95 kg/pc

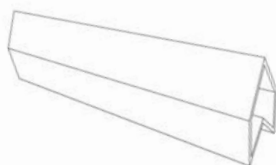
09



**17020101 TP-02 Steel Anchor**

Dimensions (mm)  
 Packaging Details 500 pc/carton  
 Weight 0,018 kg/pc

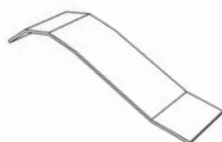
06



**52010012 KPS 42 Heavy Duty Clip-in Profile Splice**

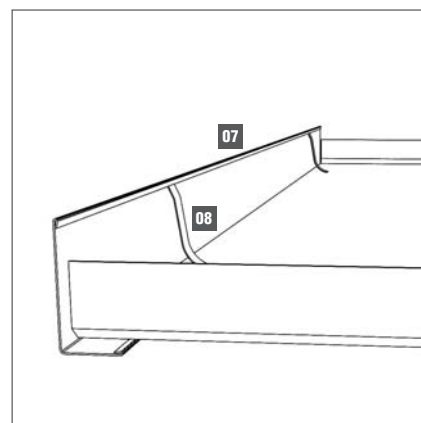
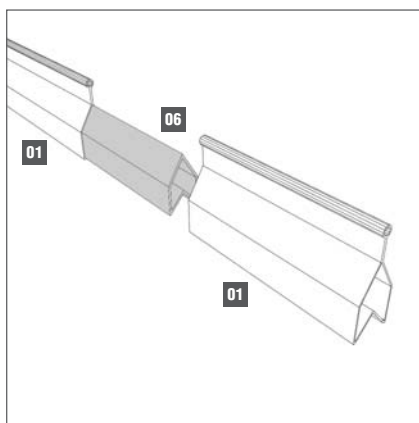
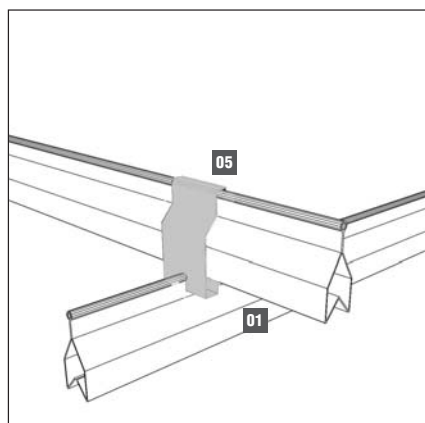
Dimensions (mm) 14,7x100x0,5  
 Packaging Details 100 pc/carton  
 Weight 0,019 kg/pc

08



**52010022 WKT-1 Wedge Clip**

Dimensions (mm)  
 Packaging Details 1000 pc/carton  
 Weight 0,0016 kg/pc



## CLIP-IN HINGE-DOWN

Clip-in Hinge- Down panels can be swung down from the ceiling and allowed to hang from the profile edge hinges. In areas where frequent and quick access to installations within the plenum area requirement, this feature offers greater ease of usage.







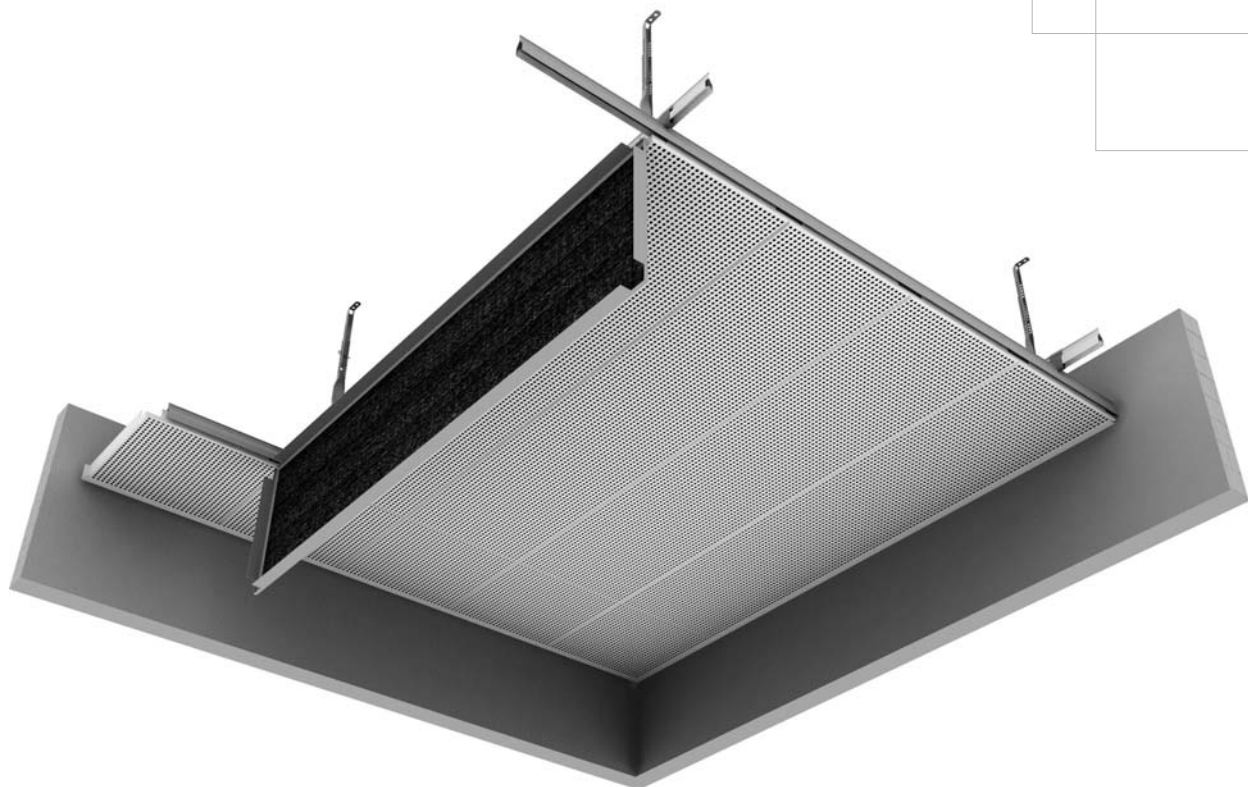
## CLIP-IN HINGE-DOWN



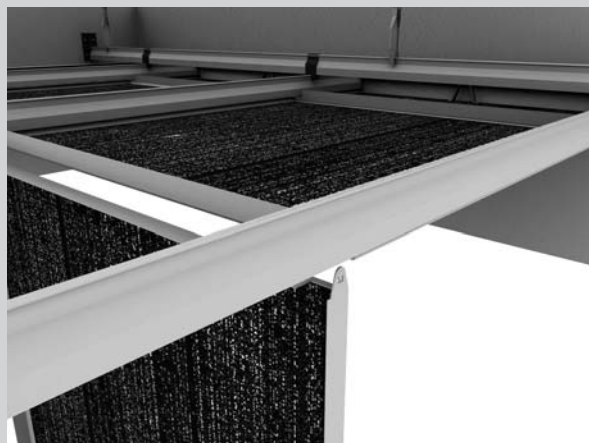
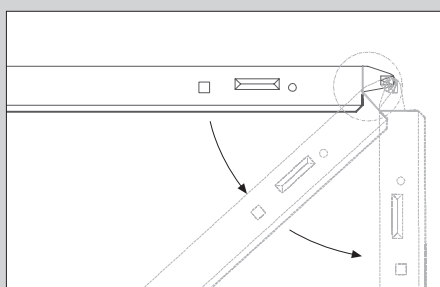
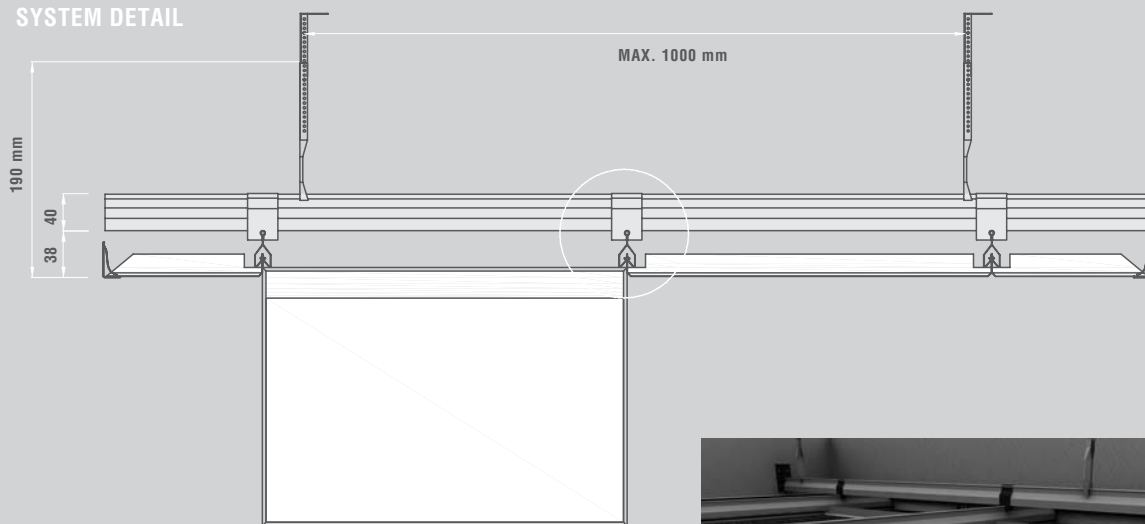
<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested.</li></ul> (For detailed information on colours pls. see pp. 71-73)
<b>Areas of Use</b>	Offices, production facilities, airports, shopping centers, metro stations.
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

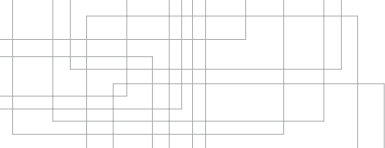


# CLIP-IN HINGE-DOWN



## SYSTEM DETAIL





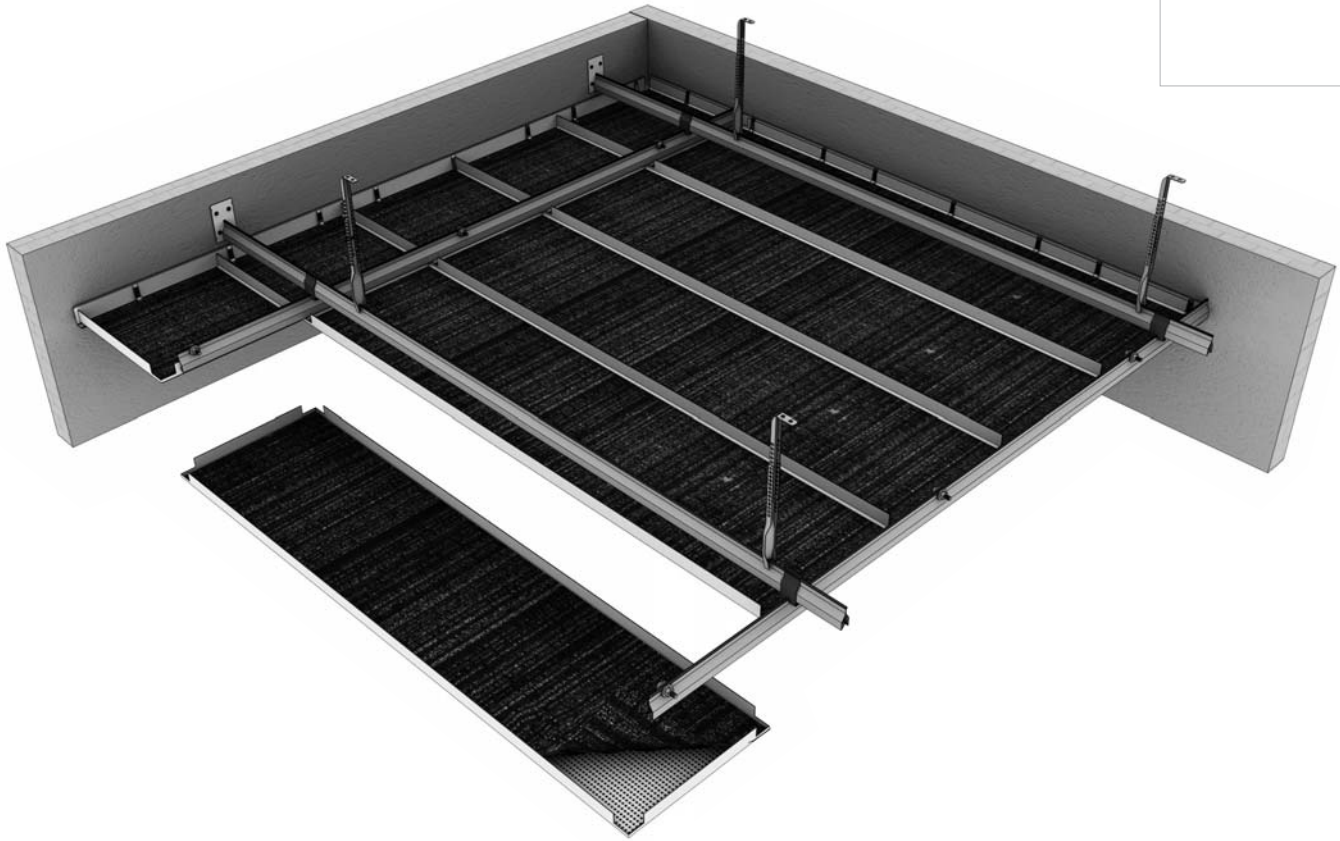
## CLIP-IN EXTERIOR

Integra Plank Clip-in Exterior is a durable, resistant system suitable for areas which are exposed to the effect of the weather and the threat of corrosion. Clip-in Exterior panels offer alternative solutions and the desired static requirements according to the project needs, and as the panels are secured to the profiles with washers, the degree of resistance and rigidity of the system is strengthened, thus making it the right choice for external areas.

Furthermore, as both sides of the panels are created with high density paint, the maximum level of resistance to corrosion is ensured (paint thickness minimum 90 micron).



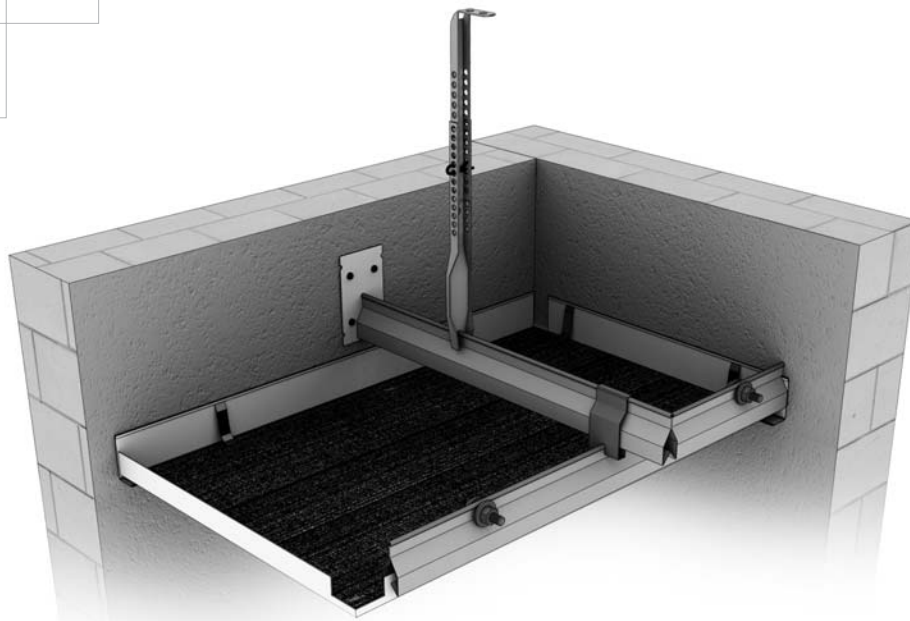
## CLIP-IN EXTERIOR SYSTEM



---

<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Airports, shopping centers, metro stations, sports halls
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

## CLIP-IN EXTERIOR SYSTEM



### Accessories



01

**52010024 KPH-40 Heavy Duty clip-in Profile**

Dimensions (mm)	16x38,5x4000x0,6
Packaging Details	40 m/carton
Weight	0,513 kg/m



**52030025 NU-100 Nonius Rigid Hanger (Upper part)**

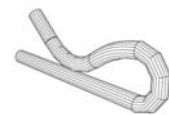
Dimensions (mm)	1000
Packaging Details	100 pc/carton
Weight	0,015 kg/pc



02

**52030024 HD-NA Heavy Duty Nonius Rigid Hanger (Lower part)**

Dimensions (mm)	190
Packaging Details	100 pc/carton
Weight	0,04 kg/pc

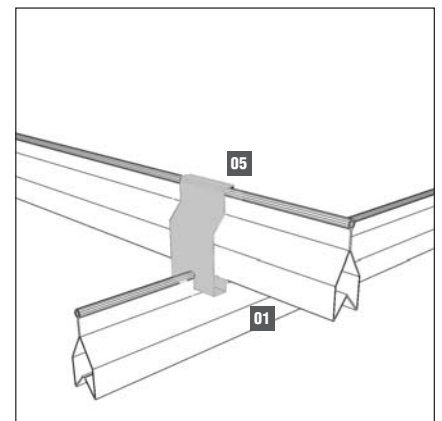
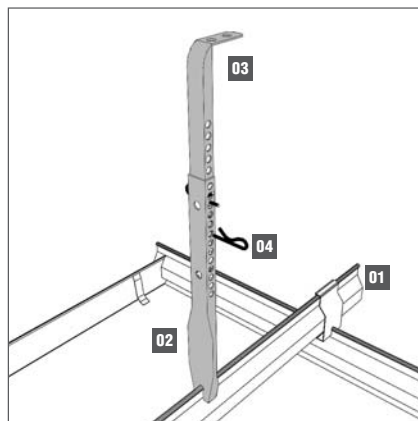


04

**52030026 1/14 Connecting Pin**

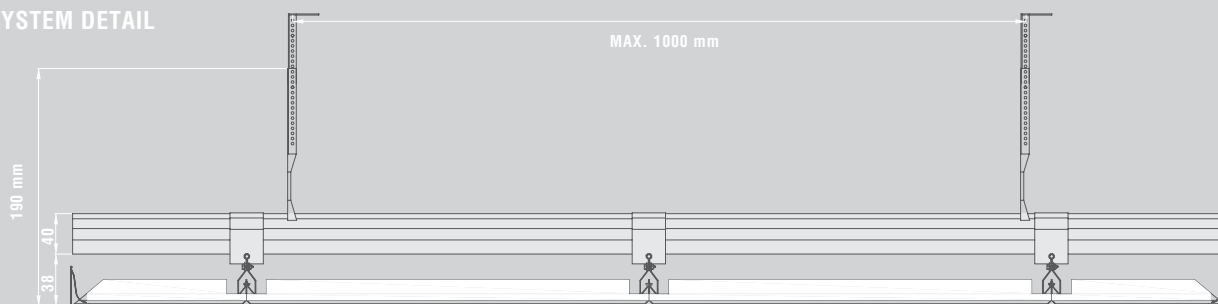
Dimensions (mm)	
Packaging Details	200 pc/carton
Weight	0,006 kg/pc

### Accessories Joint Details

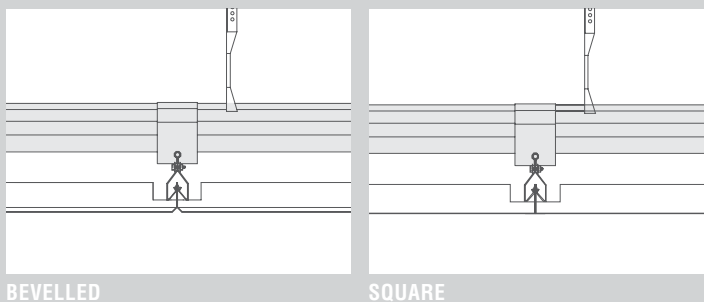


# CLIP-IN EXTERIOR SYSTEM

## SYSTEM DETAIL



## EDGE OPTIONS



05



**52010025 KPC-44 Heavy Duty Clip-in Profile Coupling Clip**

Dimensions (mm) 30x52x1,0  
 Packaging Details 100 pc/carton  
 Weight 0,013 kg/pc

07



**52040967 WL-3000 L Wall Angle**

Dimensions (mm) 20x40x3000x0,6  
 Packaging Details 60 m/carton  
 Weight 0,95 kg/pc

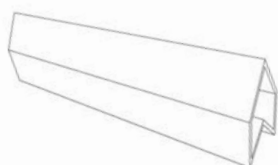
09



**17020101 TP-02 Steel Anchor**

Dimensions (mm)  
 Packaging Details 500 pc/carton  
 Weight 0,018 kg/pc

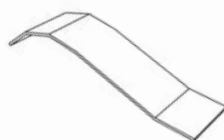
06



**52010012 KPS 42 Heavy Duty Clip-in Profile Splice**

Dimensions (mm) 14,7x100x0,5  
 Packaging Details 100 pc/carton  
 Weight 0,019 kg/pc

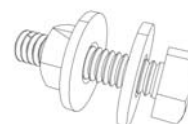
08



**52010022 WKT-1 Wedge Clip**

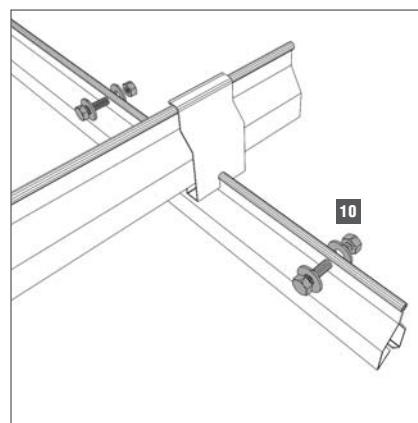
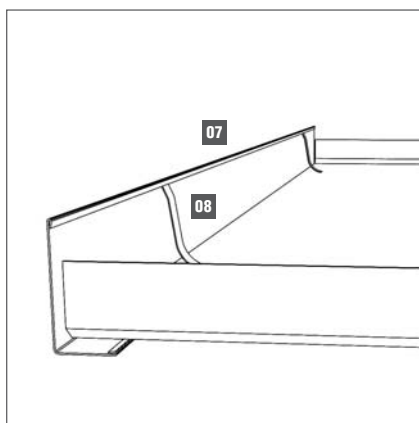
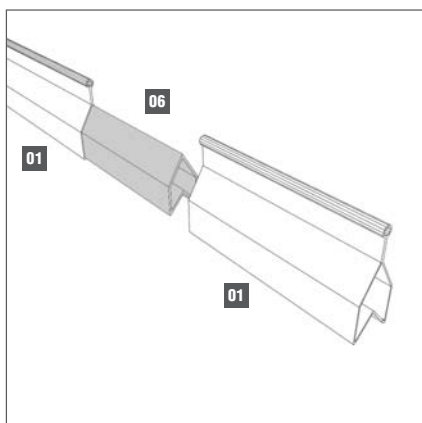
Dimensions (mm)  
 Packaging Details 1000 pc/carton  
 Weight 0,0016 kg/pc

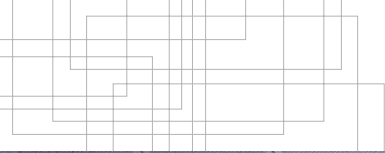
10



**52010041 HD-P Washer**

Dimensions (mm) Ø6  
 Packaging Details 500 pc/carton  
 Weight 0,018 kg/pc









## HOOK-ON

Integra Hook-on Ceilings panels offer an uncluttered monolithic ceiling appearance through concealed suspension systems. It is available in various sizes and options, which ensures full compatibility with all types of architectural design.

Complete with a concealed suspension system, Hook-on panels can be easily demounted without extractor tools. The Hook-on system is an ideal solution for areas with heavy circulation such as offices and airport.

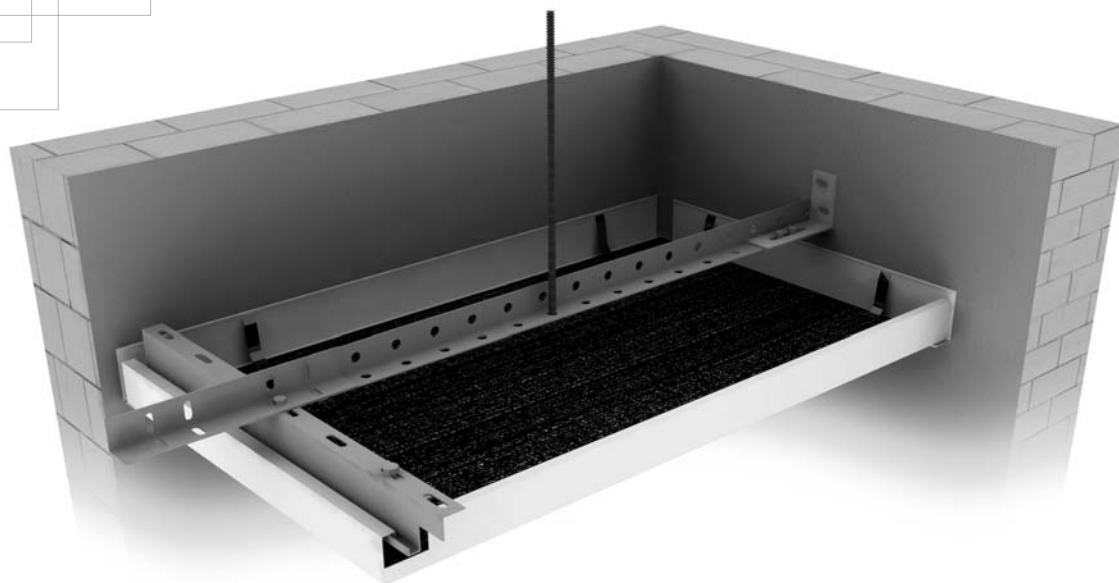


## HOOK-ON

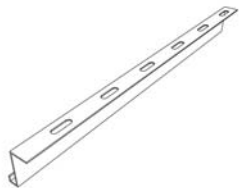
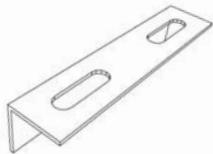
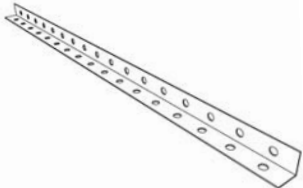
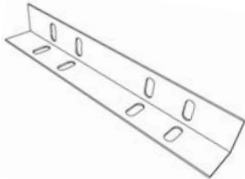


<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Offices, production facilities, airports, shopping centers, metro stations
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

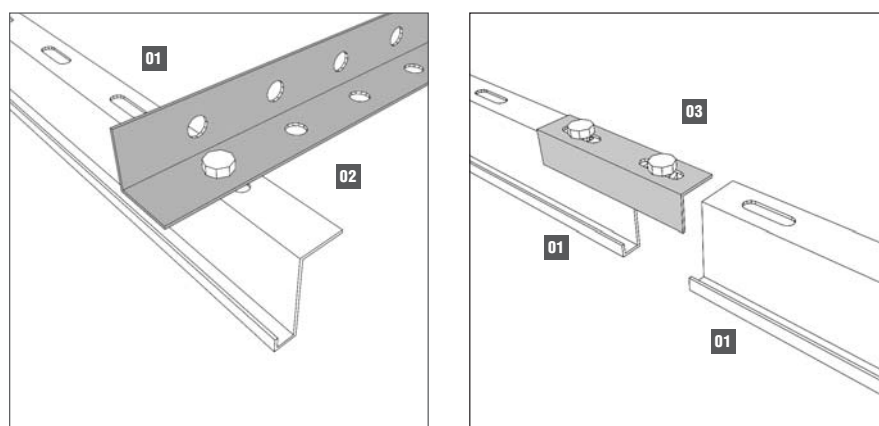
# HOOK-ON



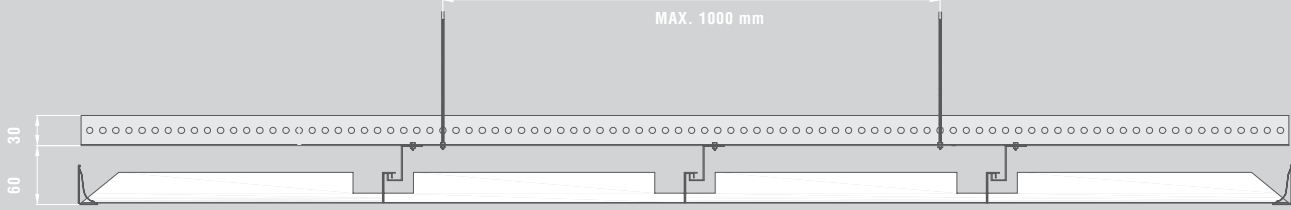
## Accessories

01		03	
<b>52020001 AS-9 Hook-on Profile</b> Dimensions (mm) 19x38x4000x1,0 Packaging Details 40 m/carton Weight 0,581 kg/m		<b>52020003 AS-15 Hook-on Profile Splice</b> Dimensions (mm) 22,5x35x100x1,0 Packaging Details 100 pc/carton Weight 0,09 kg/pc	
02		04	
<b>52020002 AS-20 Primary L Runner</b> Dimensions (mm) 30x30x4000x1,5 Packaging Details 80 m/carton Weight 0,685 kg/m		<b>52020004 AS-25 Primary L Runner Splice</b> Dimensions (mm) 30x30x150x1,5 Packaging Details 100 pc/carton Weight 0,11 kg/pc	

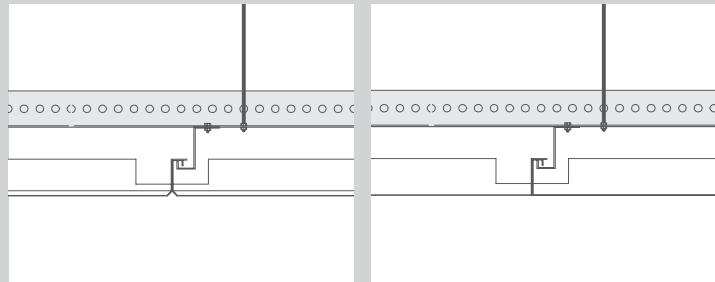
## Accessories Joint Details



# HOOK-ON



## EDGE OPTIONS



BEVELLED

SQUARE



05

### 52040967 WL-3000 L Wall Angle

Dimensions (mm)	20x40x3000x0,6
Packaging Details	60 m/carton
Weight	0,95 kg/pc



07

### 52020006 ATJ-100 Threaded rod

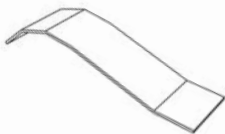
Dimensions (mm)	Ø6-1000
Packaging Details	100 pc/carton
Weight	0.17 kg/pc



09

### 52030012 TD-06 Rod Anchor

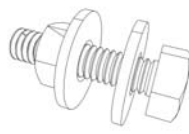
Dimensions (mm)	
Packaging Details	1500 pc/carton
Weight	0,009 kg/pc



06

### 52010022 WKT-1 Wedge Clip

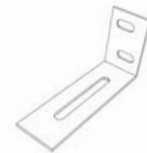
Dimensions (mm)	
Packaging Details	1000 pc/carton
Weight	0,0016 kg/pc



08

### 52030018 VDS-60 Bolt/Nut/washer

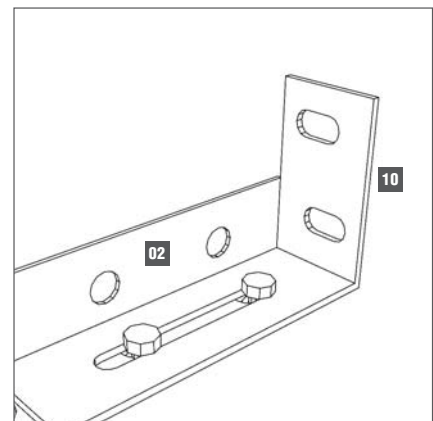
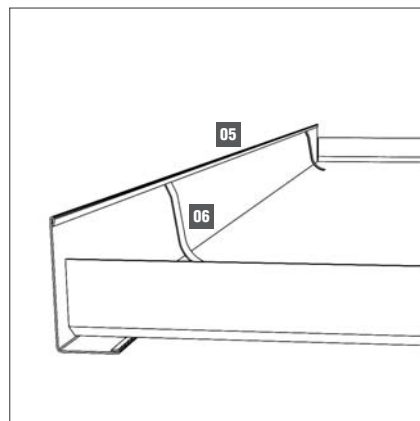
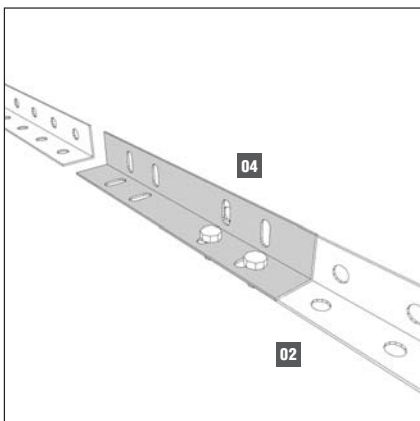
Dimensions (mm)	Ø6
Packaging Details	500 pc/carton
Weight	0,018 kg/pc



10

### 52020007 AS-30 Wall anchor

Dimensions (mm)	30x50x100x1,5
Packaging Details	100 pc/carton
Weight	0,058 kg/pc



## HOOK-ON CORRIDOR

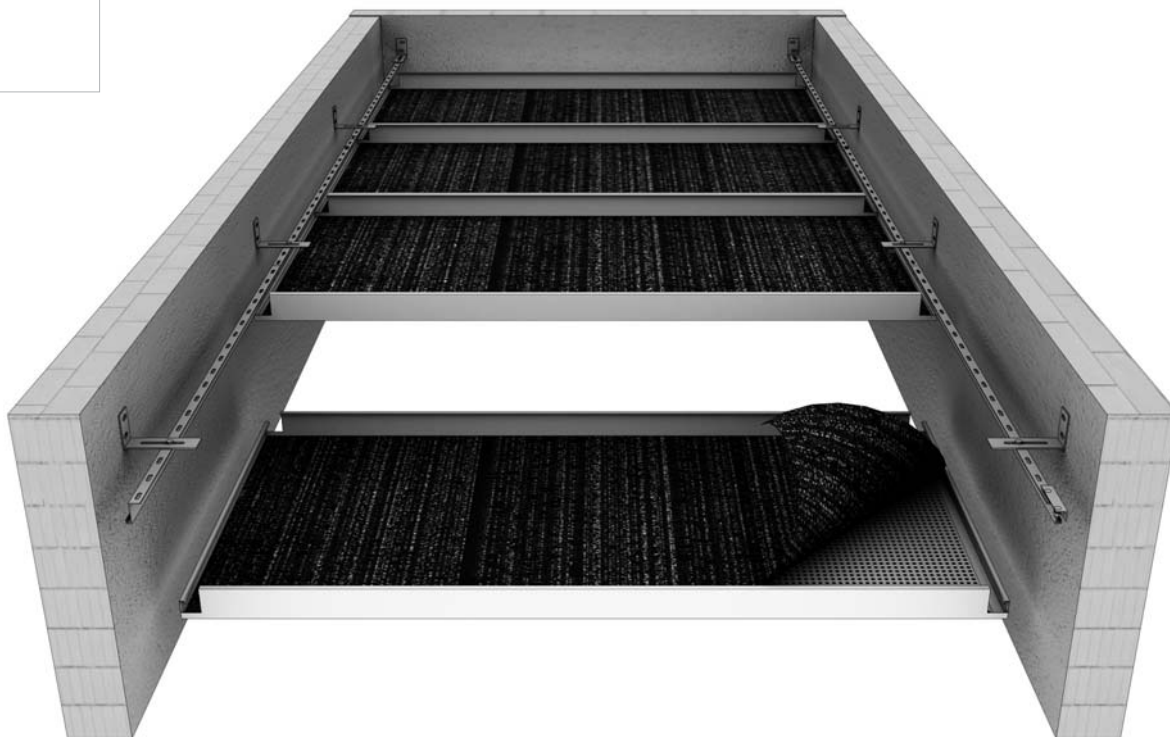
Integra Hook-on Corridor ceiling panels are designed to offer ideal solutions for corridors of different sizes and details. The corridor panels, which are fully compatible with Hook-on profiles and accessories, can be easily demounted.

Produced according to the specific size of each area, the Hook-on Corridor system minimizes material loss during installation.





## HOOK-ON CORRIDOR



<b>Material</b>	Galvanized Steel, Aluminum	
<b>Dimensions</b>	Width: 200 - 1200 mm	Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,	
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)	
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested.</li></ul> (For detailed information on colours pls. see pp. 71-73)	
<b>Areas of Use</b>	Offices, production facilities, airports, shopping centers, metro stations	
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)	
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)	





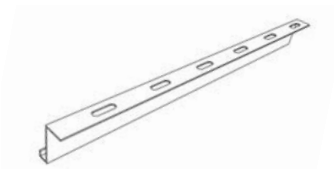
# HOOK-ON CORRIDOR

## SYSTEM DETAIL



### Accessories

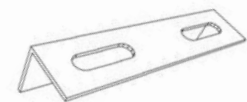
01



#### 52020001 AS-9 Hook-on Profile

Dimensions (mm)	19x38x4000x1,0
Packaging Details	40 m/carton
Weight	0,581 kg/m

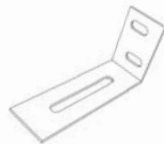
03



#### 52020003 AS-15 Hook-on Profile Splice

Dimensions (mm)	22,5x35x100x1,0
Packaging Details	100 pc/carton
Weight	0,09 kg/pc

02



#### 52020007 AS-30 Wall anchor

Dimensions (mm)	30x50x100x1,5
Packaging Details	100 pc/carton
Weight	0,058 kg/pc

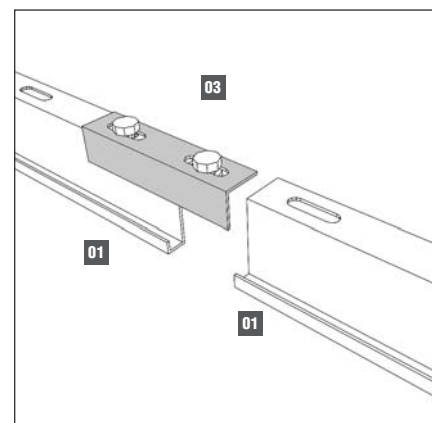
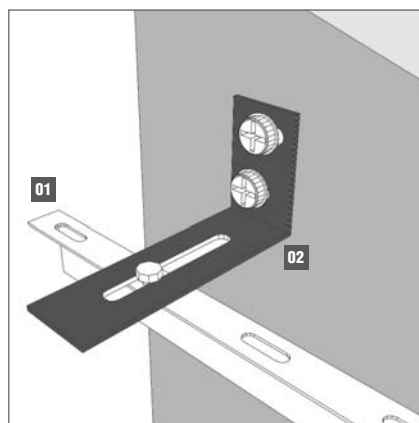
04



#### 52030018 VDS-60 Bolt/Nut/Washer

Dimensions (mm)	Ø6
Packaging Details	500 pc/carton
Weight	0,018 kg/pc

### Accessories Joint Details



## HOOK-ON EXTERIOR SYSTEM

Integra Plank Hook-on Exterior systems are used in areas where there is windload and threat of corrosion. Hook-on Exterior systems offer alternative solutions with hold down clip onto the profiles, according to the static requirements of the project.

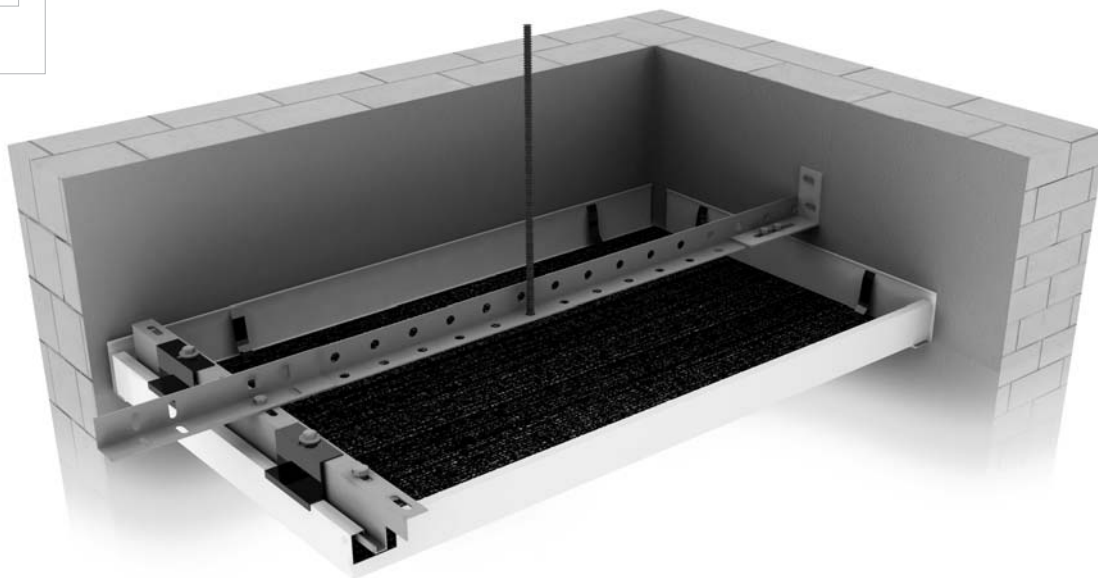


## HOOK-ON EXTERIOR SYSTEM



<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Airports, shopping centers, metro stations
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

# HOOK-ON EXTERIOR SYSTEM



## Accessories

**01**



<b>52020001 AS-9 Hook-on Profile</b>
Dimensions (mm) 19x38x4000x1,0
Packaging Details 40 m/carton
Weight 0,581 kg/m

**02**



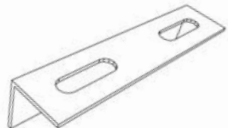
<b>52020002 AS-20 Primary L Runner</b>
Dimensions (mm) 30x30x4000x1,5
Packaging Details 80 m/carton
Weight 0,457 kg/m

**04**



<b>52020004 AS-25 Primary L Runner Splice</b>
Dimensions (mm) 30x30x150x1,5
Packaging Details 100 pc/carton
Weight 0,11 kg/pc

**03**



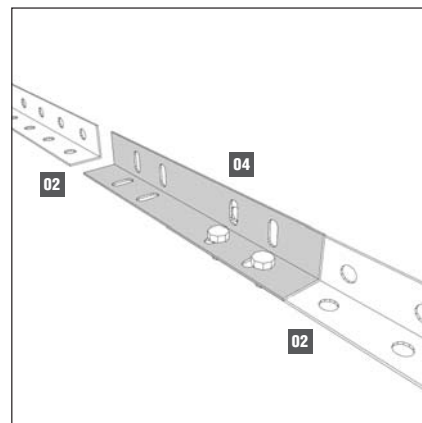
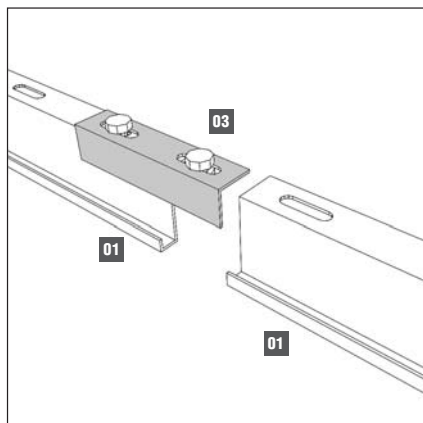
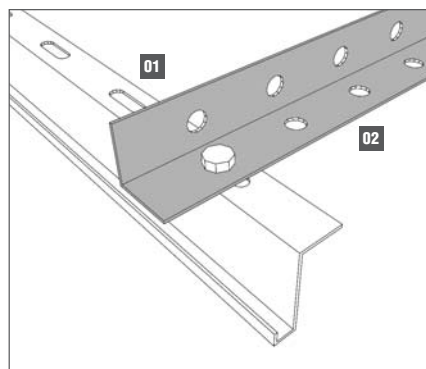
<b>52020003 AS-15 Hook-on Profile Splice</b>
Dimensions (mm) 22,5x35x100x1,0
Packaging Details 100 pc/carton
Weight 0,09 kg/pc

**05**



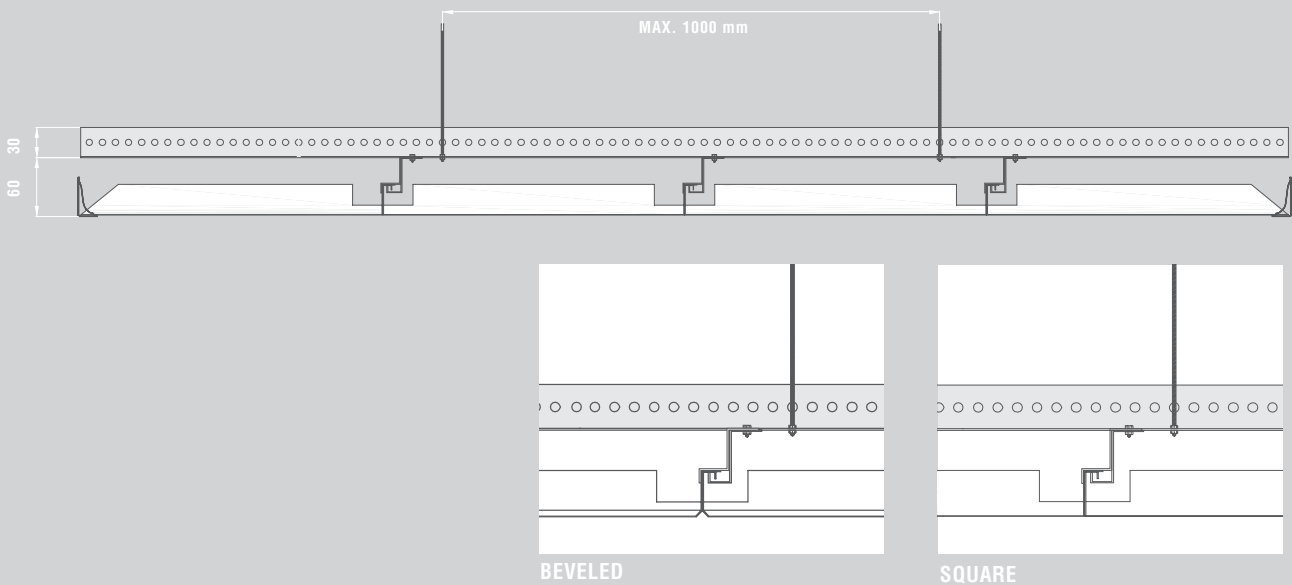
<b>52040967 WL-3000 L Wall Angle</b>
Dimensions (mm) 20x40x3000x0,6
Packaging Details 60 m/carton
Weight 0,95 kg/pc

## Accessories Joint Details



# HOOK-ON EXTERIOR SYSTEM

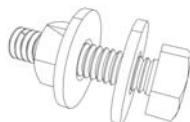
## SYSTEM DETAIL



06

**52010022 WKT-1 Wedge Clip**

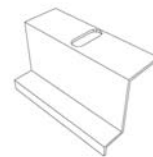
Dimensions (mm)  
Packaging Details 1000 pc/carton  
Weight 0,0016 kg/pc



08

**52030018 VDS-60 Bolt/Nut/Washer**

Dimensions (mm) Ø6  
Packaging Details 500 pc/carton  
Weight 0,018 kg/pc



10

**52020014 HB-BP Hold down clip**

Dimensions (mm)  
Packaging Details 100 pc/carton  
Weight



07

**52020006 ATJ-Threaded rod**

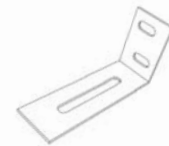
Dimensions (mm) Ø6-1000  
Packaging Details 100 pc/carton  
Weight 0,17 kg/pc



09

**52030012 TD-06 Threaded Rod Anchor**

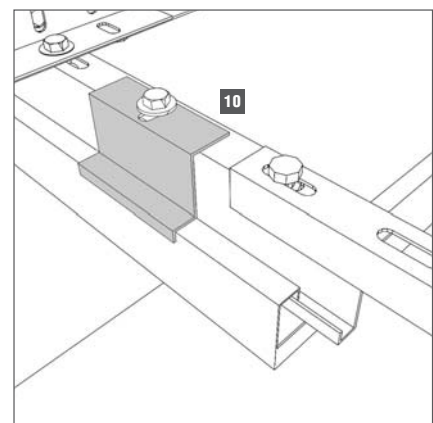
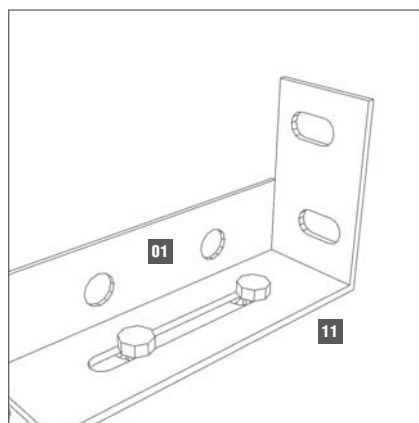
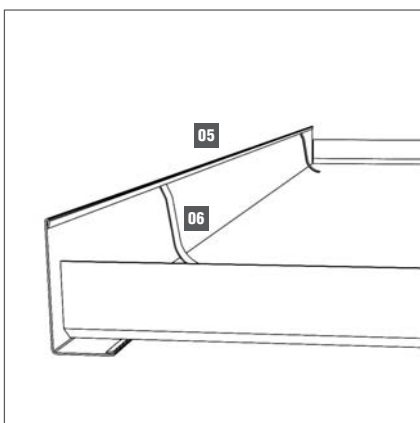
Dimensions (mm)  
Packaging Details 1500 pc/carton  
Weight 0,009 kg/pc



11

**52020007 AS-30 Wall anchor**

Dimensions (mm) 30x50x100x1,5  
Packaging Details 100 pc/carton  
Weight 0,058 kg/pc



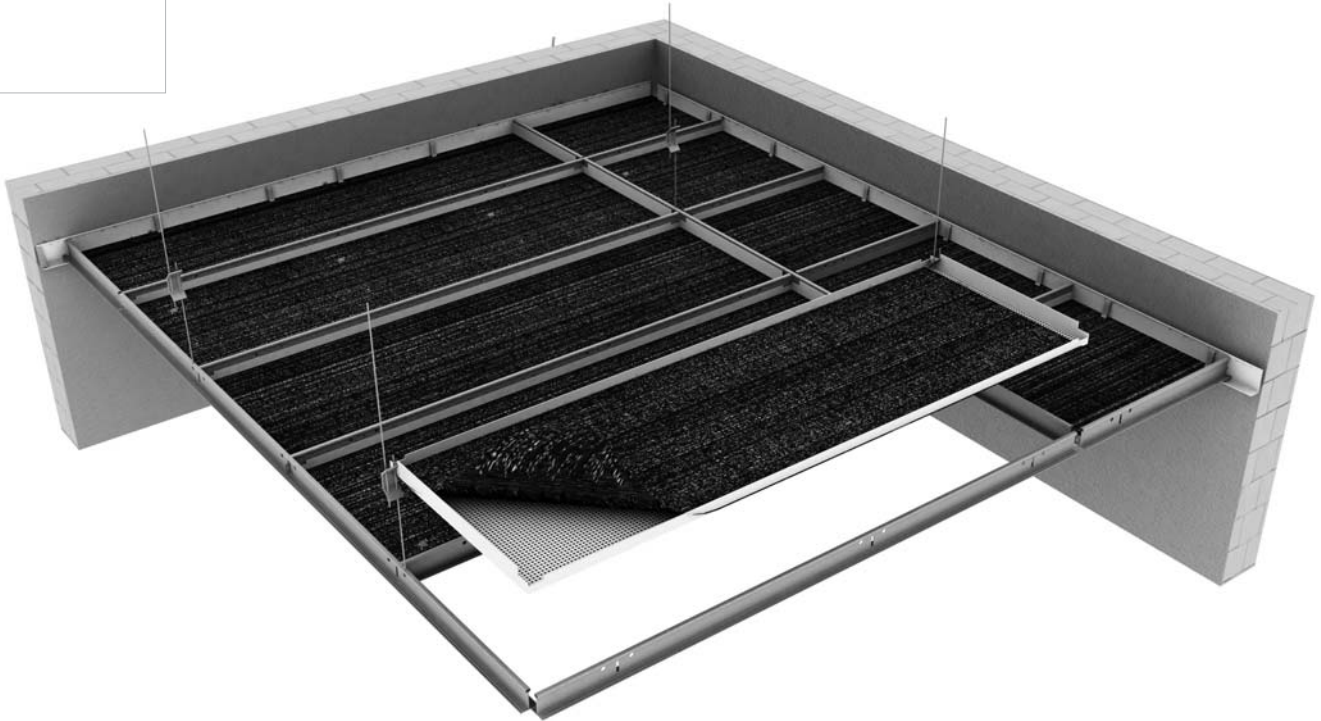
## LAY-IN

Integra Plank Lay-in systems are fully compatible with various T-15 and T-24 suspension profiles and are available in different sizes and drops therefore allowing for different architectural designs.





## LAY-IN

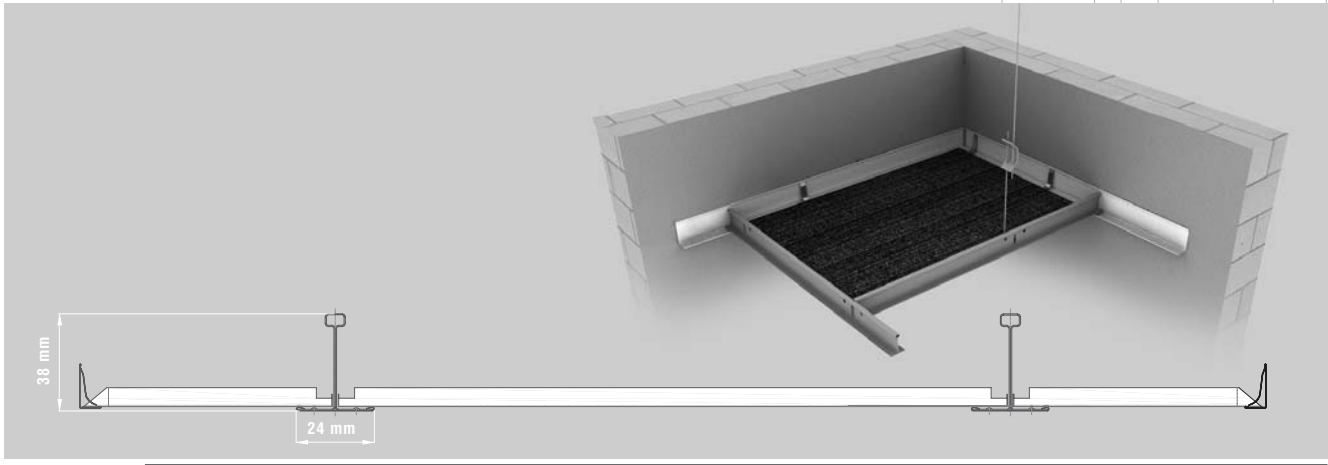


<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested.</li></ul> (For detailed information on colours pls. see pp. 71-73)
<b>Areas of Use</b>	Renovation projects, offices, shopping centers
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)



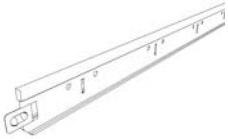


# LAY-IN



## Accessories


**01**



**52040101 AS-GR24-B01 T24 Primary runner**

Dimensions (mm)	24x38x3600x0,4
Packaging Details	90 m/carton
Weight	1,344 kg/pc

**04**



**52040967 WL-3000 L Wall Angle**

Dimensions (mm)	20x40x3000x0,6
Packaging Details	60 m/carton
Weight	0,95 kg/pc

**07**



**17010104 DST-01 Hanger wire**

Dimensions (mm)	1000
Packaging Details	500 pc/carton
Weight	0,10 kg/pc

**02**



**52040102 AS-GR24-B02 T24 Cross Runner**

Dimensions (mm)	24x30x1200x0,4
Packaging Details	60 m/carton
Weight	0,3896 kg/pc

**05**



**52010022 WKT-1 Wedge Clip**

Dimensions (mm)	
Packaging Details	1000 pc/carton
Weight	0,0016 kg/pc

**08**



**17020101 TP-02 Steel Anchor**

Dimensions (mm)	
Packaging Details	500 pc/carton
Weight	0,018 kg/pc


**03**



**52040102 AS-GR24-B03 T24 Cross Runner**

Dimensions (mm)	24x30x600x0,4
Packaging Details	45 m/carton
Weight	0,187 kg/pc

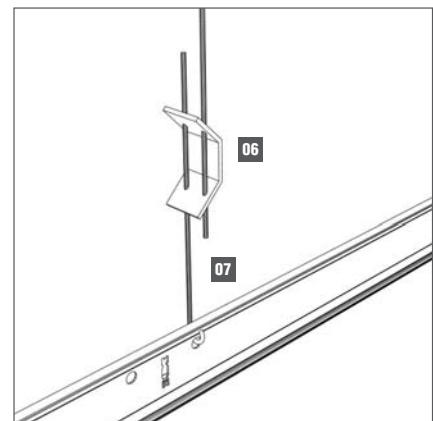
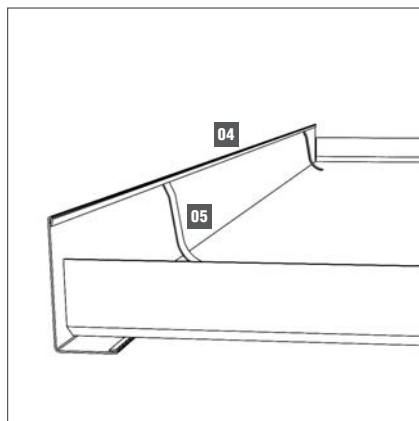
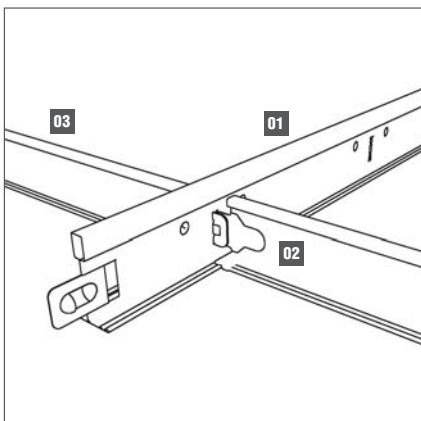
**06**



**13011128 HDVC/4 Double Spring Clip**

Dimensions (mm)	
Packaging Details	500 pc/carton
Weight	0,0082 kg/pc

## Accessories Joint Details





**LAY-IN CORRIDOR** Integra Plank Lay-in Corridor panels are designed to offer the ideal solution for corridors where sizes need to be produced according to the specific dimensions of each area the Lay-in Corridor system minimizes material loss during installation.



## LAY-IN CORRIDOR



<b>Material</b>	Galvanized Steel, Aluminum	
<b>Dimensions</b>	Width: 200 - 1200 mm	Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,	
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)	
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"> <li>• Production is possible in all other RAL colours upon request.</li> <li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li> <li>• Panels with wood appearance can be produced if requested.</li> </ul> (For detailed information on colours pls. see pp. 71-73)	
<b>Areas of Use</b>	Offices, production facilities, airports, shopping centers, metro stations	
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)	
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)	



### Accessories



#### 52040967 WL-3000 L Wall Angle

Dimensions (mm)	20x40x3000x0,6
Packaging Details	60 m/carton
Weight	0,95 kg/pc

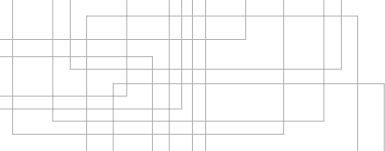


## PERSPEKTA BANDRASTER

Integra Plank, Perspektka C/D Bandraster Systems provide architects with modern application alternatives by forming a continuous smooth, appearance on the surface of the ceiling with the C and D Bandrasters. All Perspektka panels can be easily demounted without the need for tools. It is suitable for applications with wide openings, thanks to its 50-100-125-150-200 mm C or D Bandraster profile alternatives.







## PERSPEKTA C BANDRASTER

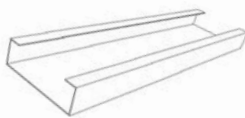


<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Airports, shopping centers, metro stations, offices
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

## PERSPEKTA C BANDRASTER



### Accessories

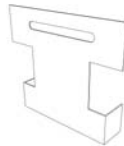


01

**52030021 CBP-100-L4000 C BandraSTER**

Dimensions (mm)	10x30x100x4000x1,0
Packaging Details	2 pc/carton
Weight	5,69 kg/pc

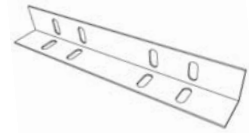
Please contact to our head office for 50,125,150 and 200 mm alternatives.



02

**52030006 CBP-ZA-100 Rigid Hanger**

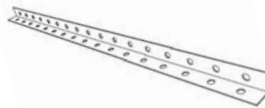
Dimensions (mm)	30x30x150x1,0
Packaging Details	100 pc/carton
Weight	0,22 kg/pc



04

**52020004 AS-25 Primary L Runner Splice**

Dimensions (mm)	30x30x150x1,5
Packaging Details	100 pc/carton
Weight	0,11 kg/pc



03

**52020002 AS-20 Primary L Runner**

Dimensions (mm)	30x30x4000x1,5
Packaging Details	80 m/carton
Weight	0,685 kg/m

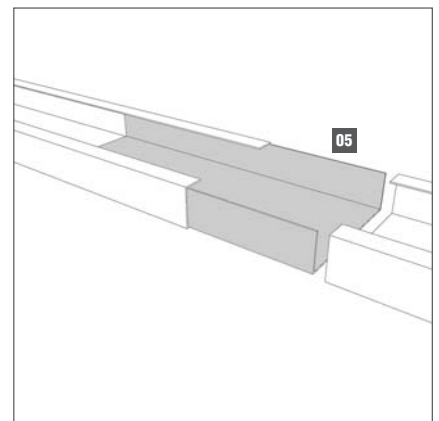
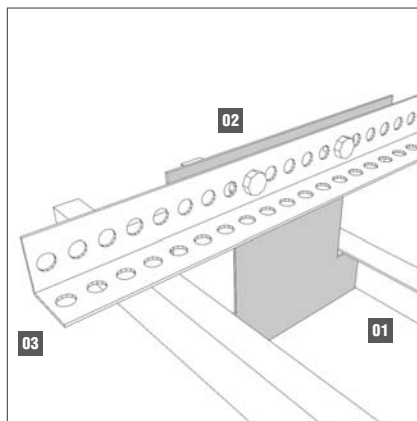


05

**52030002 CBP-ZL-100 C BandraSTER Profile Splice**

Dimensions (mm)	97x120x1,0
Packaging Details	100 pc/carton
Weight	0,22 kg/pc

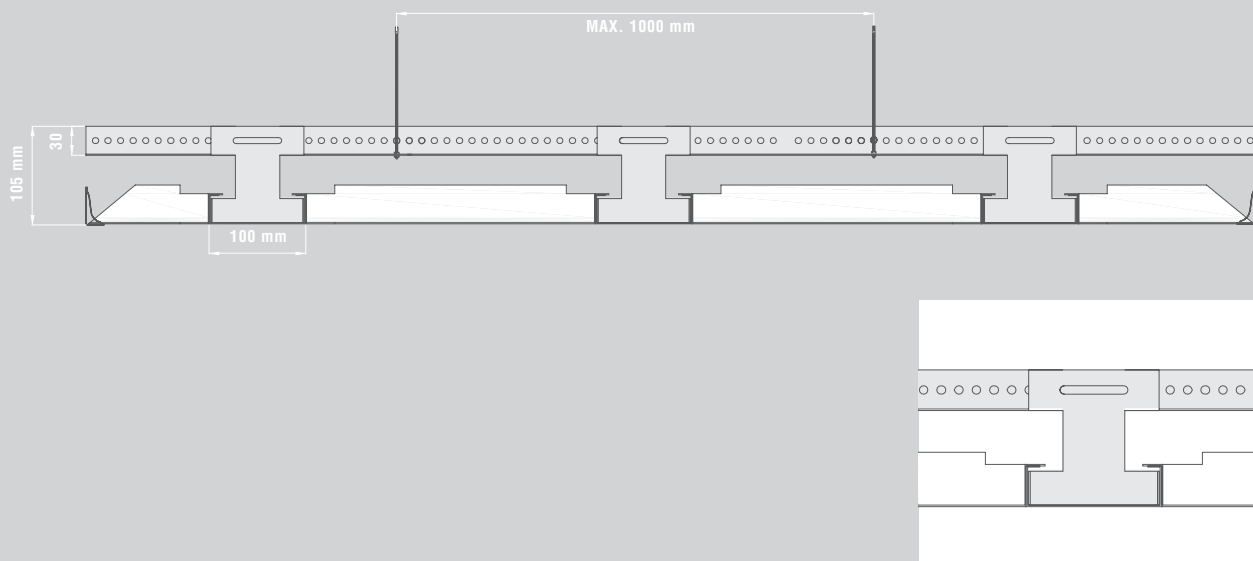
### Accessories Joint Details





# PERSPEKTA C BANDRASTER

## SYSTEMS DETAILS



06



**52030003 CBP-ZW-100 Bandraster Wall Anchor**

Dimensions (mm)	70x97x100x1,0
Packaging Details	100 pc/carton
Weight	0,22 kg/pc

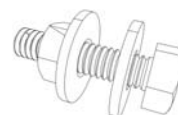
08



**52010022 WKT-1 Wedge Clip**

Dimensions (mm)	
Packaging Details	1000 pc/carton
Weight	0,0016 kg/pc

10



**52030018 VDS-60 Bolt/Nut/Washer**

Dimensions (mm)	Ø6
Packaging Details	500 pc/carton
Weight	0,018 kg/pc

07



**52040967 WL-3000 L Wall Angle**

Dimensions (mm)	20x40x3000x0,6
Packaging Details	60 m/carton
Weight	0,95 kg/pc

09



**52020006 ATJ-100 Threaded rod**

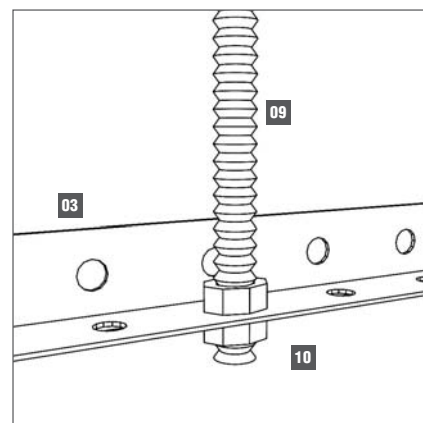
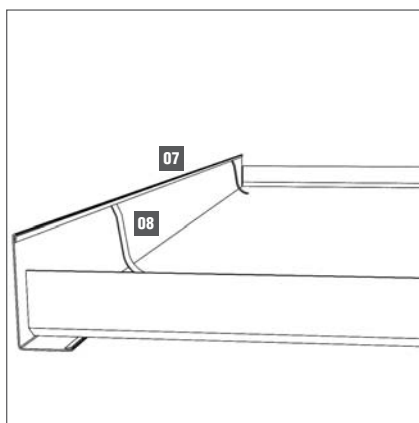
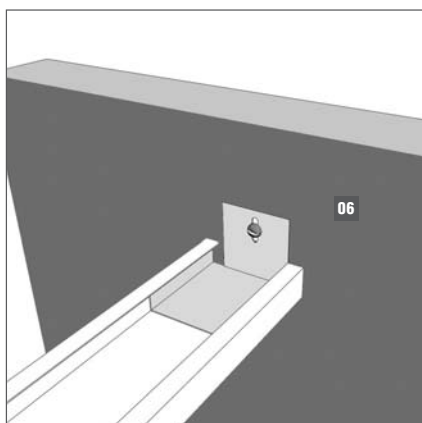
Dimensions (mm)	Ø6-1000
Packaging Details	100 pc/carton
Weight	0,17 kg/pc

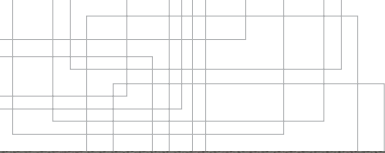
11



**52030012 TD-06 Threaded Rod Anchor**

Dimensions (mm)	
Packaging Details	1500 pc/carton
Weight	0,009 kg/pc



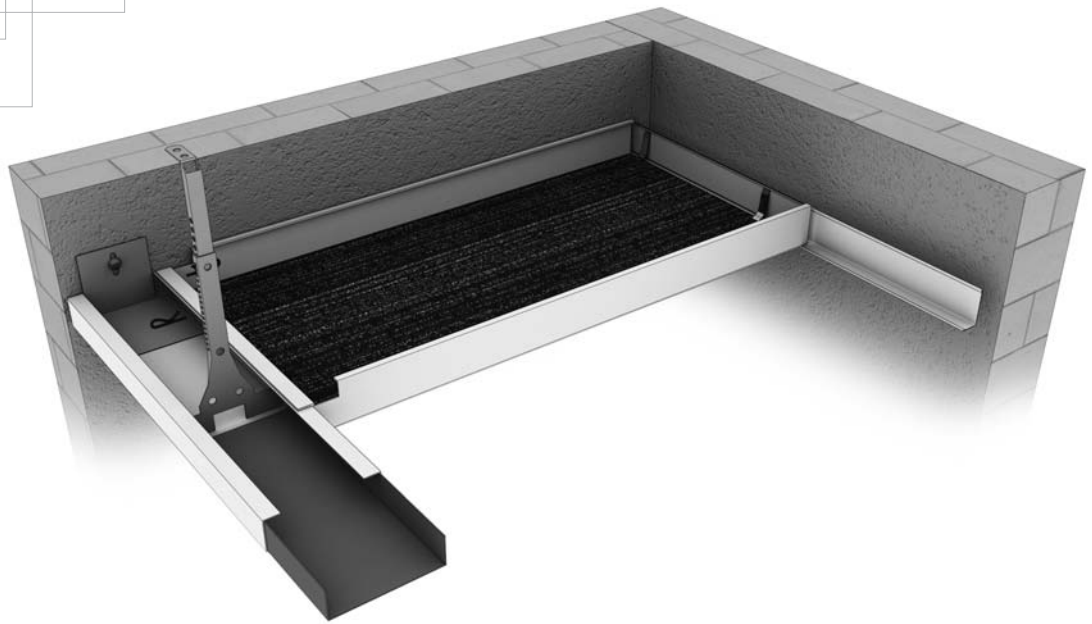


## PERSPEKTA C BANDRASTER NONIUS

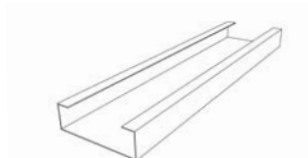


<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Airports, shopping centers, metro stations, offices
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

## PERSPEKTA C BANDRASTER NONIUS



### Accessories



01

**52030021 CBP-100-L4000 C- BandraSTER**

Dimensions (mm)	10x30x100x4000x0,1
Packaging Details	2 pc/carton
Weight	5,69 kg/pc

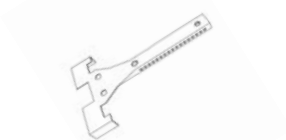


03

**52030025 NU-100 Nonius Rigid Hanger (Upper part)**

Dimensions (mm)	1000
Packaging Details	100 pc/carton
Weight	0,015 kg/pc

Please contact to or head office for 50, 125, 150 and 200 mm alternatives.



02

**52030023 CBP-100-NA  
C BandraSTER Nonius Rigid Hanger (Lower part)**

Dimensions (mm)	30x30x150x1,0
Packaging Details	100 pc/carton
Weight	0,04 kg/pc

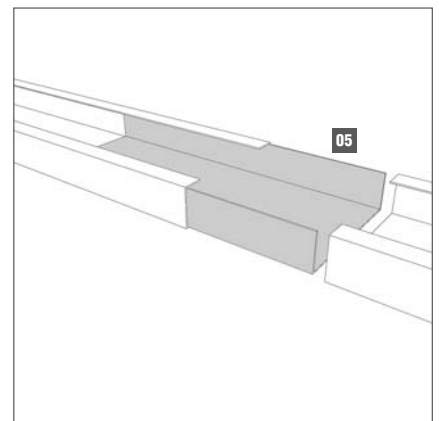
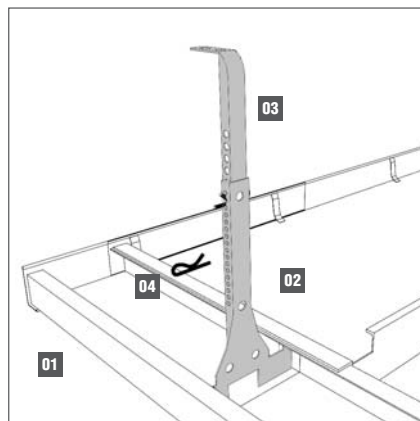


04

**52030026 1/14 Connecting Pin**

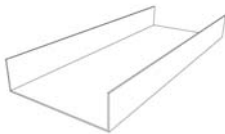
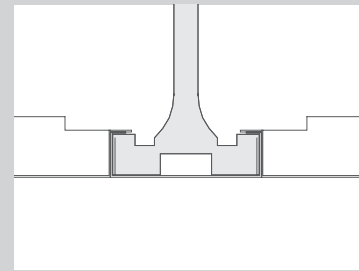
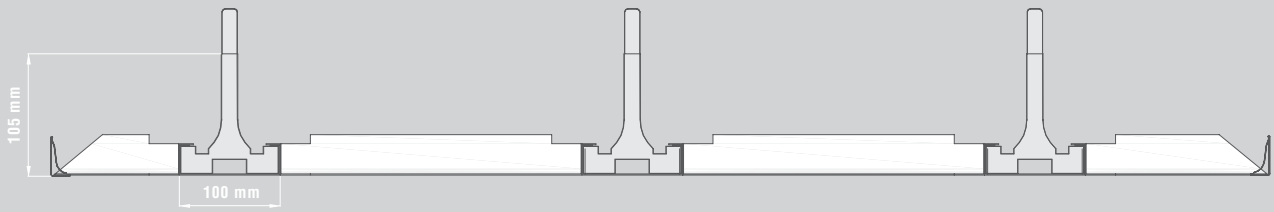
Dimensions (mm)	
Packaging Details	200 pc/carton
Weight	0,006 kg/pc

### Accessories Joint Details



# PERSPEKTA C BANDRASTER NONIUS

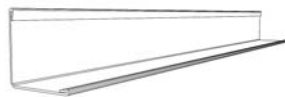
## SYSTEM DETAIL



**05**

**52030002 CBP-ZL-100 C Bandraster Profile Splice**

Dimensions (mm) 97x120x1,0  
 Packaging Details 100 pc/carton  
 Weight 0,22 kg/pc



**07**

**52040967 WL-3000 L Wall Angle**

Dimensions (mm) 20x40x3000x0,6  
 Packaging Details 60 m/carton  
 Weight 0,95 kg/pc



**09**

**17020101 TP-02 Steel Anchor**

Dimensions (mm)  
 Packaging Details 500 pc/carton  
 Weight 0,018 kg/pc



**06**

**52030003 CBP-ZW-100 Bandraster Wall Anchor**

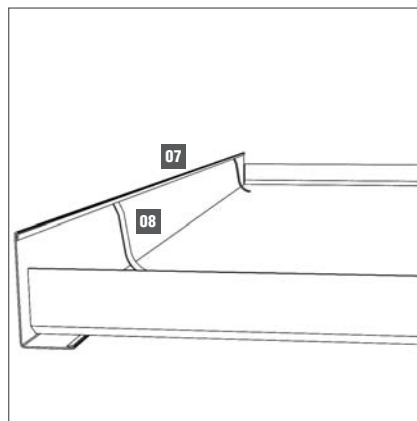
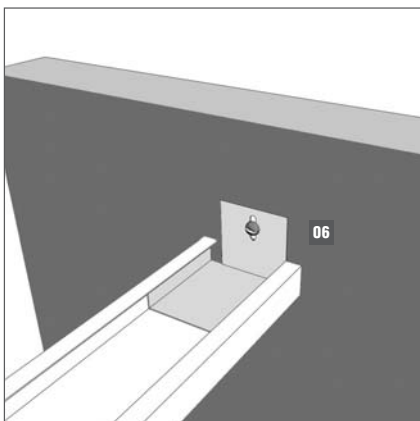
Dimensions (mm) 70x97x100x1,0  
 Packaging Details 100 pc/carton  
 Weight 0,22 kg/pc



**08**

**52010022 WKT-1 Wedge Clip**

Dimensions (mm)  
 Packaging Details 1000 pc/carton  
 Weight 0,0016 kg/pc



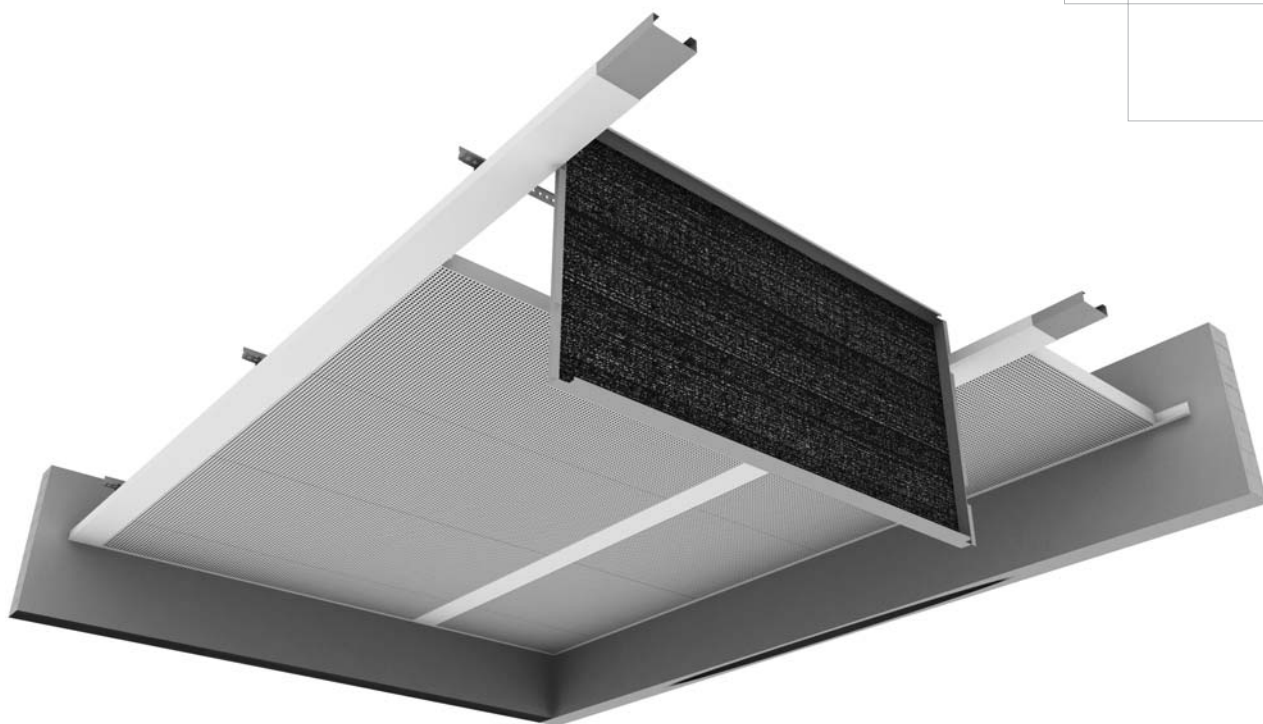
## PERSPEKTA C BANDRASTER HINGE-DOWN



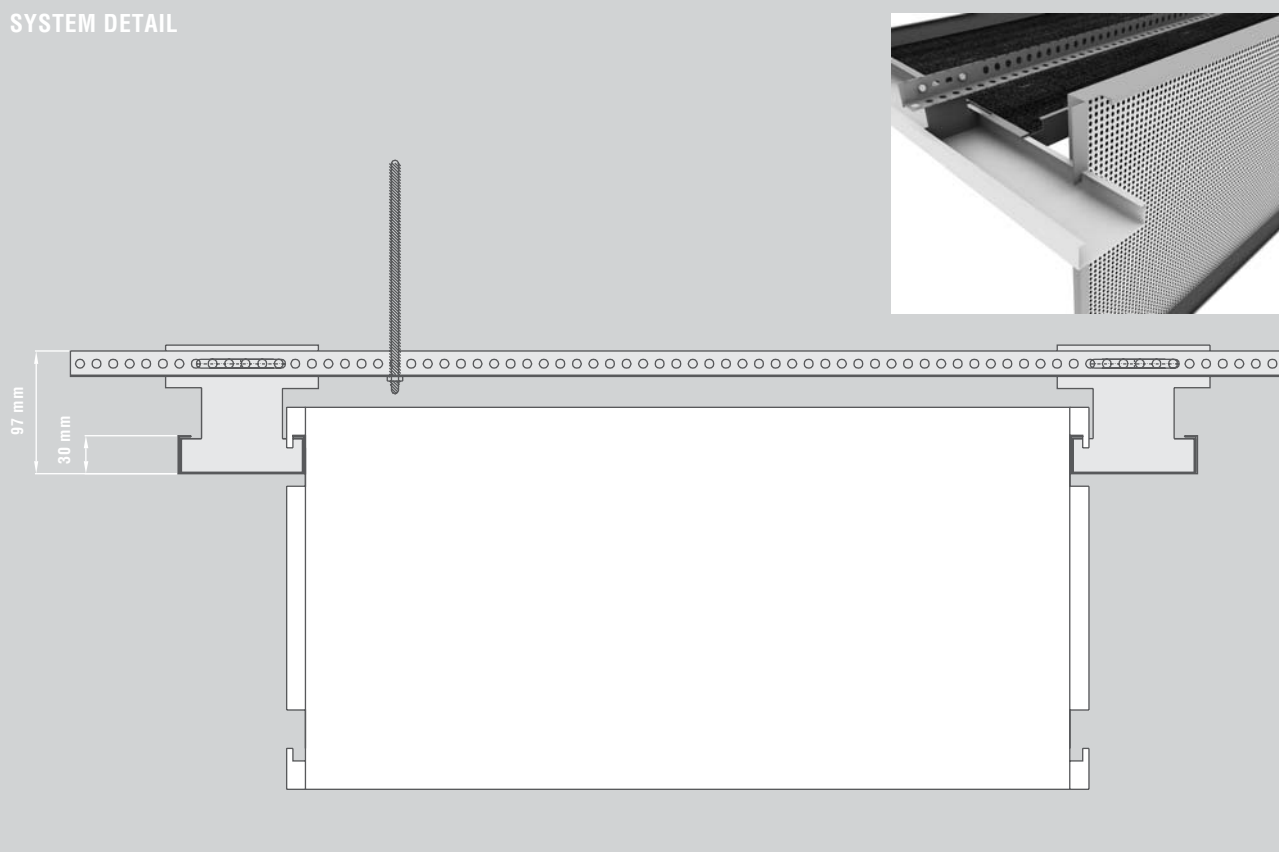
<b>Material</b>	Galvanized Steel, Aluminum	
<b>Dimensions</b>	Width: 200 - 1200 mm	Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,	
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)	
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested.</li></ul> (For detailed information on colours pls. see pp. 71-73)	
<b>Areas of Use</b>	Areas where regular reach to plenum is needed.	
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)	
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)	

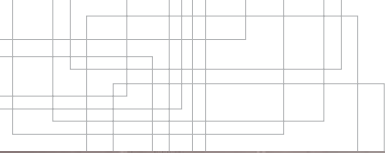


## PERSPEKTA C BANDRASTER HINGE-DOWN



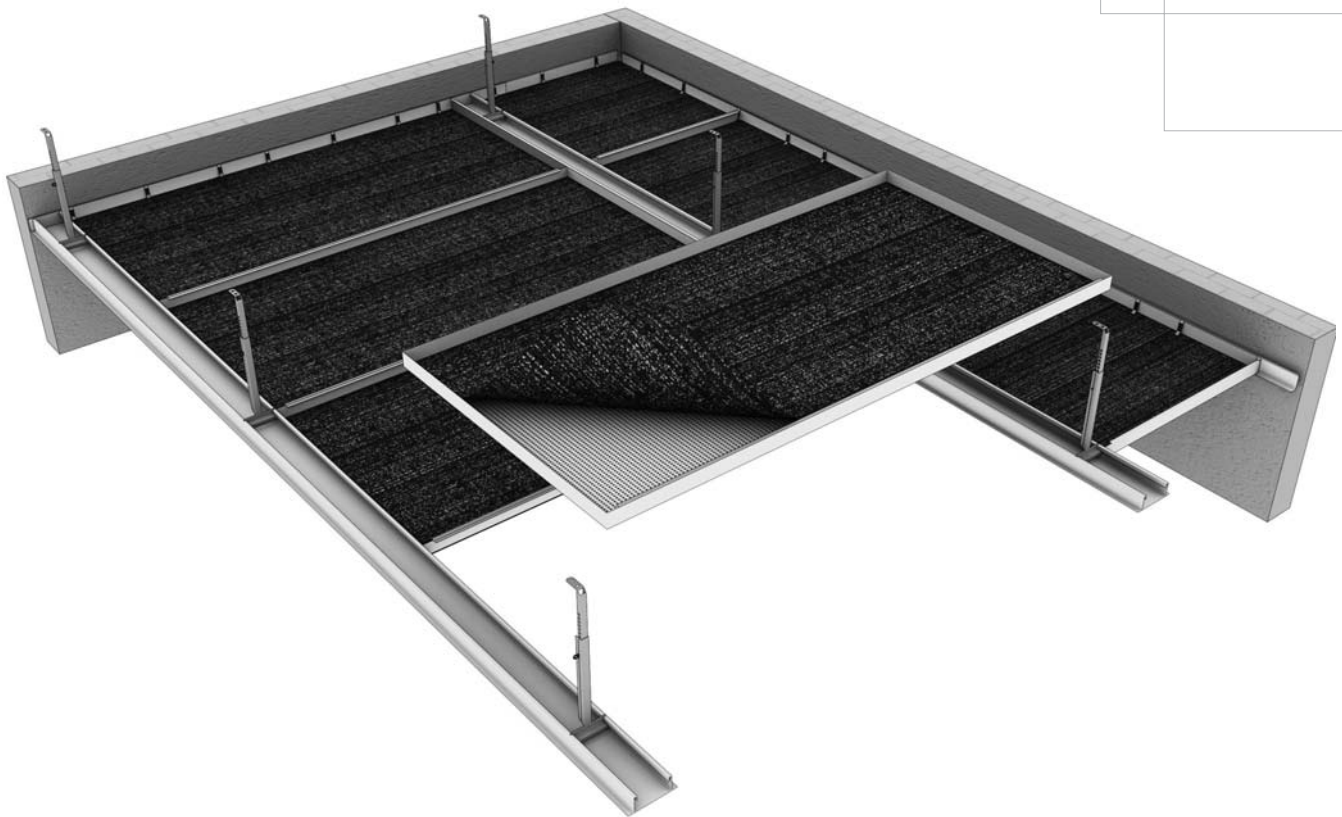
### SYSTEM DETAIL





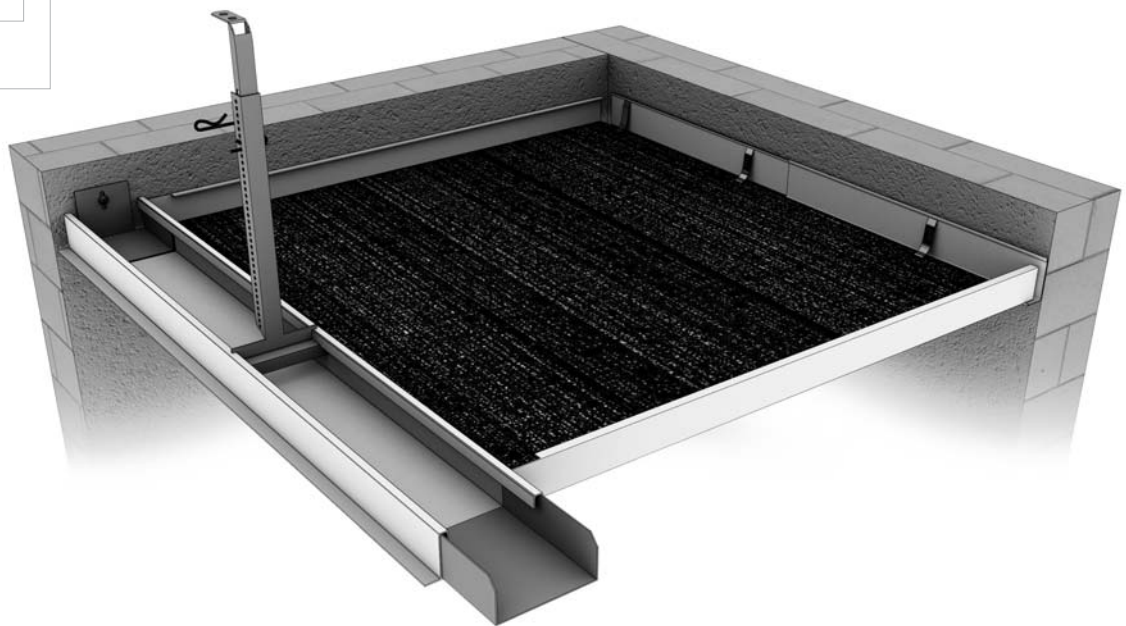


## PERSPEKTA D BANDRASTER NONIUS




<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Airports, shopping centers, metro stations, offices
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)

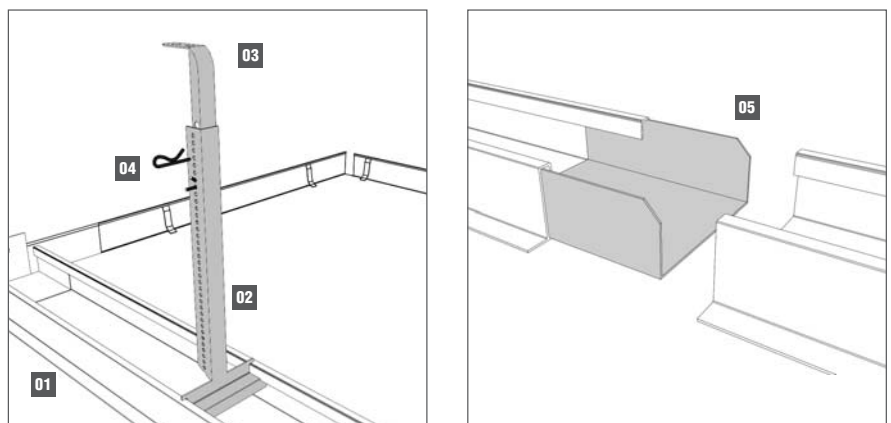
## PERSPEKTA D BANDRASTER NONIUS



### Accessories

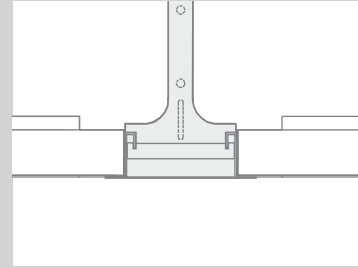
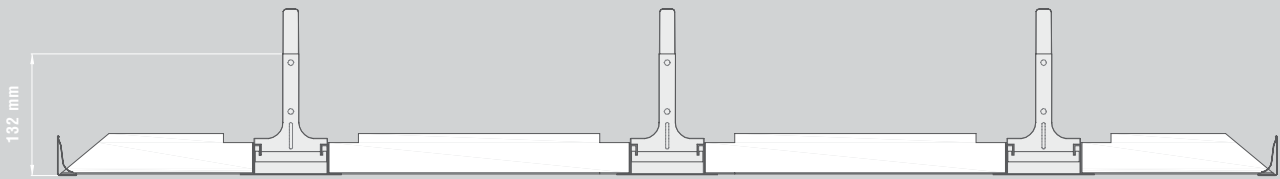
 <p><b>01</b></p>	 <p><b>03</b></p>												
<p><b>52030035 DBP-100-L3600 D Bandraster</b></p> <table border="1"> <tr> <td>Dimensions (mm)</td> <td>3600x1,0</td> </tr> <tr> <td>Packaging Details</td> <td>40 m/carton</td> </tr> <tr> <td>Weight</td> <td>3,72 kg/pc</td> </tr> </table>	Dimensions (mm)	3600x1,0	Packaging Details	40 m/carton	Weight	3,72 kg/pc	<p><b>52030025 NU-100 Nonius Rigid Hanger (Upper part)</b></p> <table border="1"> <tr> <td>Dimensions (mm)</td> <td>1000</td> </tr> <tr> <td>Packaging Details</td> <td>100 pc/carton</td> </tr> <tr> <td>Weight</td> <td>0,015 kg/pc</td> </tr> </table>	Dimensions (mm)	1000	Packaging Details	100 pc/carton	Weight	0,015 kg/pc
Dimensions (mm)	3600x1,0												
Packaging Details	40 m/carton												
Weight	3,72 kg/pc												
Dimensions (mm)	1000												
Packaging Details	100 pc/carton												
Weight	0,015 kg/pc												
 <p><b>02</b></p>	 <p><b>04</b></p>												
<p><b>52030004 DBP-100-NA D Bandraster Nonius Rigid Hanger (Lower part)</b></p> <table border="1"> <tr> <td>Dimensions (mm)</td> <td>30x30x150x1,0</td> </tr> <tr> <td>Packaging Details</td> <td>100 pc/carton</td> </tr> <tr> <td>Weight</td> <td>0,05 kg/m</td> </tr> </table>	Dimensions (mm)	30x30x150x1,0	Packaging Details	100 pc/carton	Weight	0,05 kg/m	<p><b>52030026 1/14 Connecting Pin</b></p> <table border="1"> <tr> <td>Dimensions (mm)</td> <td>200 pc/carton</td> </tr> <tr> <td>Packaging Details</td> <td>200 pc/carton</td> </tr> <tr> <td>Weight</td> <td>0,006 kg/pc</td> </tr> </table>	Dimensions (mm)	200 pc/carton	Packaging Details	200 pc/carton	Weight	0,006 kg/pc
Dimensions (mm)	30x30x150x1,0												
Packaging Details	100 pc/carton												
Weight	0,05 kg/m												
Dimensions (mm)	200 pc/carton												
Packaging Details	200 pc/carton												
Weight	0,006 kg/pc												

### Accessories Joint Details



# PERSPEKTA D BANDRASTER NONIUS

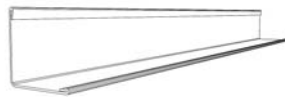
## SYSTEM DETAIL



**05**

**52030008 DBP-ZL-100 D Bandraster Profile Splice**

Dimensions (mm) 70x97x100x1,0  
 Packaging Details 100 pc/carton  
 Weight 0,22 kg/pc



**07**

**52040967 WL-3000 L Wall Angle**

Dimensions (mm) 20x40x3000x0,6  
 Packaging Details 60 m/carton  
 Weight 0,95 kg/pc



**09**

**17020101 TP-02 Steel Anchor**

Dimensions (mm)  
 Packaging Details 500 pc/carton  
 Weight 0,018 kg/pc



**06**

**52030003 DBP-ZW-100Bandraster Wall Anchor**

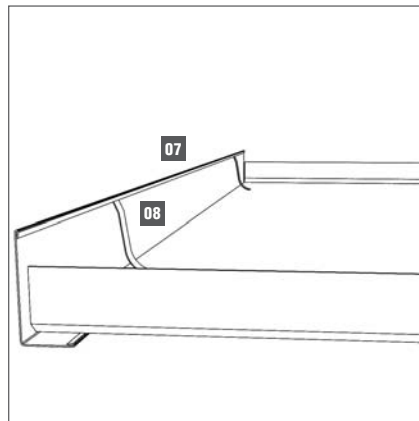
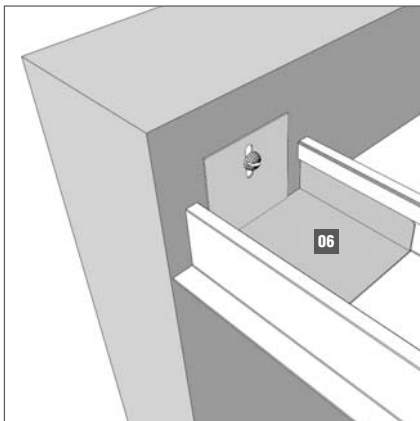
Dimensions (mm) 70x97x100x1,0  
 Packaging Details 100 pc/carton  
 Weight 0,22 kg/pc



**08**

**52010022 WKT-1 Wedge Clip**

Dimensions (mm)  
 Packaging Details 1000 pc/carton  
 Weight 0,0016 kg/pc



## NORMA GRID

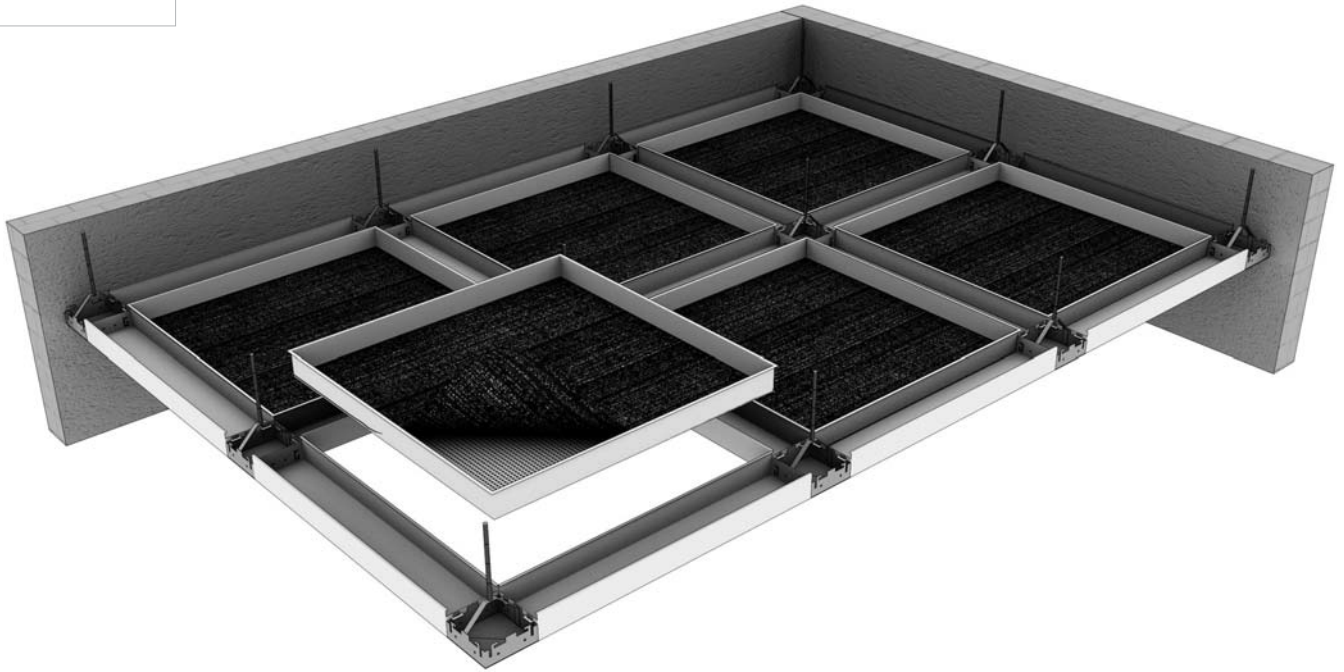
Norma Grid Metal Ceilings fully meet the aesthetic and functional expectations of architects. The system provides the possibility to create different geometrical patterns (square and rectangular) with various boxes and bandraster profiles.

All Norma Grid panels can be easily demounted without tools. The Norma Grid system is ideal for areas such as offices, airports and spaces where both aesthetics and functionality are required.





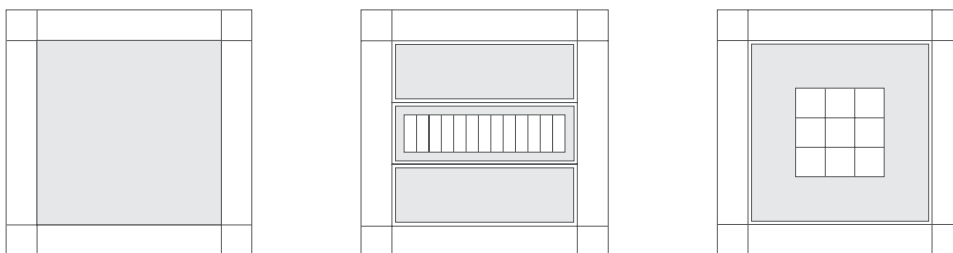
## NORMA GRID



<b>Material</b>	Galvanized Steel, Aluminum
<b>Dimensions</b>	Width: 200 - 1200 mm      Length: 200 - 3000 mm
<b>Standard Perforation (mm)</b>	Ø0.7, Ø1.5, Ø1.8, Ø2.5, Ø3.0, Ø7.0,
<b>Special Perforation (mm)</b>	Ø4.5, Ø12.0, 8x8 square (For detailed information on perforations pls. see pp. 75-79)
<b>Standard Colours</b>	RAL 9010 and RAL 9006 <ul style="list-style-type: none"><li>• Production is possible in all other RAL colours upon request.</li><li>• Antibacterial paint option is available upon request, especially for areas with hygiene requirements.</li><li>• Panels with wood appearance can be produced if requested. (For detailed information on colours pls. see pp. 71-73)</li></ul>
<b>Areas of Use</b>	Offices, airports, shopping centers, metro stations
<b>Acoustics</b>	NRC: 0.60 - 0.70 (For detailed information pls. see pp. 81-89)
<b>Fire</b>	Reaction to Fire Class B-s1, d0 (For detailed information pls. see pp. 91-93)



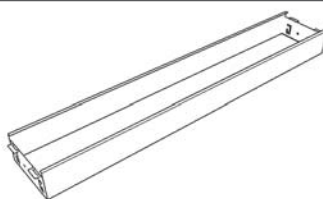
# NORMA GRID



## SYSTEM DETAIL



## Accessories



01

### C Profile

Dimensions (mm)	100xVariable
Packaging Details	
Weight	

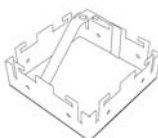
Please contact to our head office for 150 and 200 mm alternatives.



03

### 52020006 ATJ-100 Threaded rod

Dimensions (mm)	Ø6-1000
Packaging Details	100 pc/carton
Weight	0.17 kg/pc

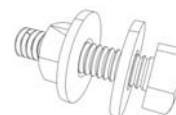


02

### Coupling Box

Dimensions (mm)	100x100x1,0
Packaging Details	
Weight	

Please contact to our head office for 150 and 200 mm alternatives.

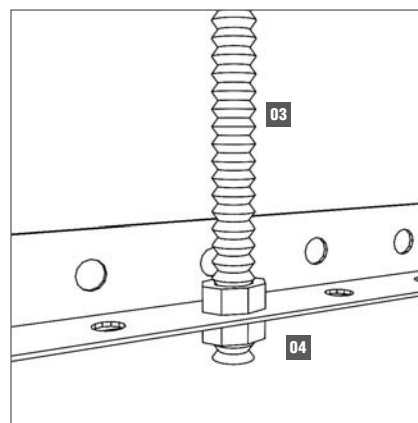
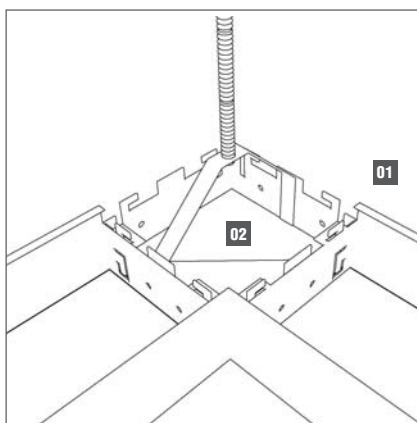


04

### 52030018 VDS-60 Bolt/Nut/Washer

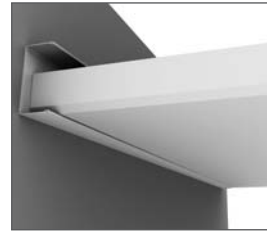
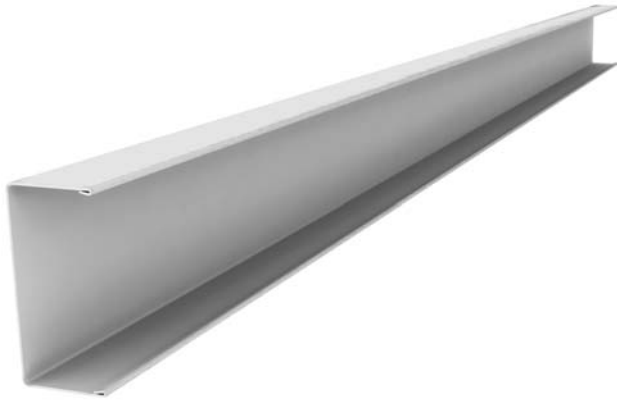
Dimensions (mm)	Ø6
Packaging Details	500 pc/carton
Weight	0,018 kg/pc

## Accessories Joint Details

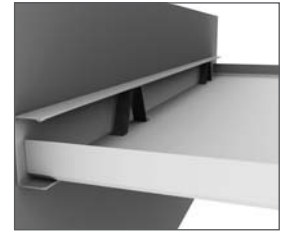


## WALL JOINT DETAILS

### C WALL ANGLE CDPR 310



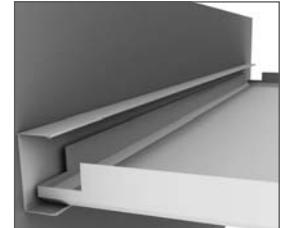
Bottom View



Cut Plate Finish

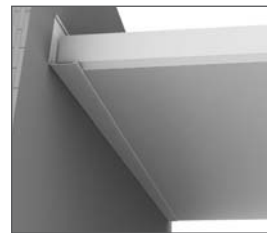
#### Packaging Details

Dimensions (mm)	20x40x20
Length (mm)	3000
Weight (kg/piece)	0.98
m/Packaging	96.00



Full Plate Finish

### L WALL ANGLE WL 3000



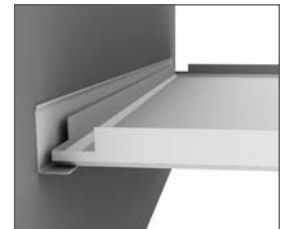
Bottom View



Cut Plate Finish

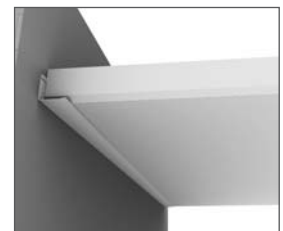
#### Packaging Details

Dimensions (mm)	20x40
Length (mm)	3000
Weight (kg/piece)	0.95
m/Packaging	60.00



Full Plate Finish

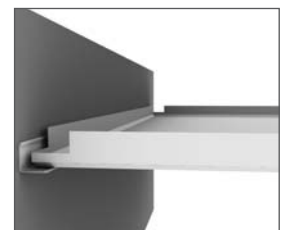
### GRIDA L AS-GR1919-B04



Bottom View

#### Packaging Details

Dimensions (mm)	19x19
Length (mm)	3050
Weight (kg/piece)	0.50
m/Packaging	137.25



Full Plate Finish





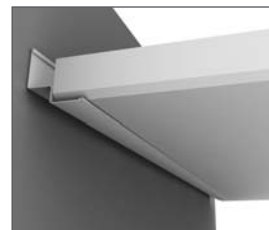
## WALL JOINT DETAILS

### STEPPED CAMMED BTZ - 300

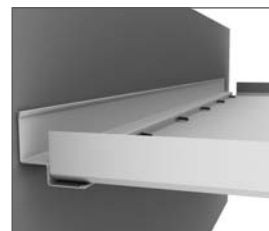


#### Packaging Details

Dimensions (mm)	24x15x10x20
Length (mm)	3000
Weight (kg/piece)	0.93
m/Packaging	105.00



Bottom View



Cut Plate Finish

### SHADOW ANGLE AS-GR1508-B05



#### Packaging Details

Dimensions (mm)	25x15x8x15
Length (mm)	3050
Weight (kg/piece)	0.79
m/Packaging	106.75



Bottom View



Full Plate Finish

### HALF CLIP-IN PROFILE HCLN-400



#### Packaging Details

Dimensions (mm)	18x29
Length (mm)	4000
Weight (kg/piece)	0.35
m/Packaging	80.00

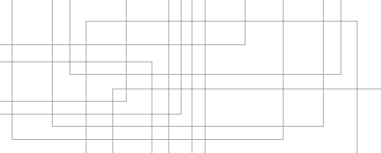


Bottom View



Full Plate Finish



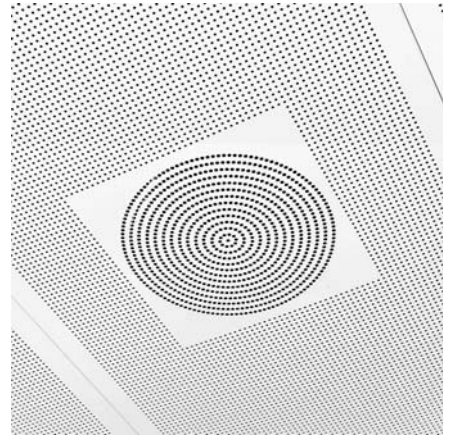




## INTEGRATION AND LIGHTING

Integra Metal Ceilings can be integrated with various lighting, ventilation, heating and sprinkler systems. Custom-made cutting and bending can be carried out for lighting fixtures and ventilation inlets while special designs compatible with the system details can also be produced on demand.

## INTEGRATION



All components produced for different lighting fixtures and ventilation culvert apertures are subjected to an electrostatic powder coating process subsequent to the perforation, cutting and bending processes thereby providing full protection of the surface against external conditions.

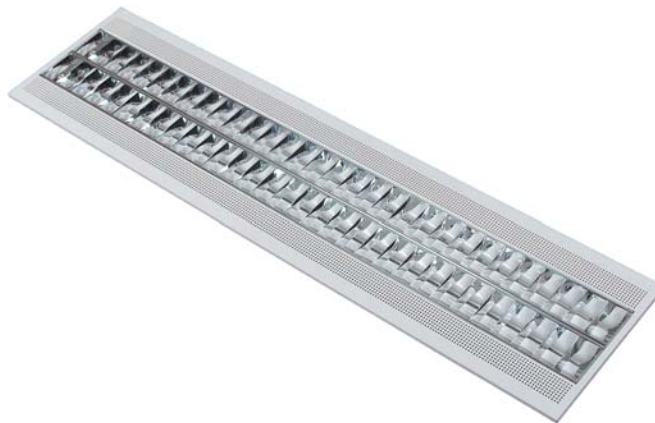
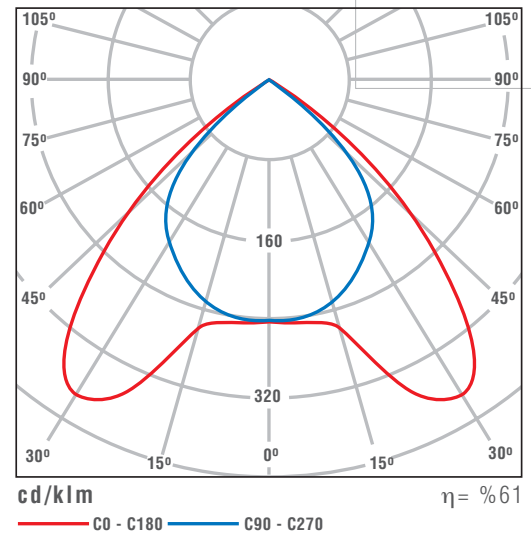


## INTEGRATION AND LIGHTING

### MODUS PLANK

Modus is used in spaces where a high light technique and energy saving solutions are needed.

- Light Technique** : Direct
- Characteristics** : The fixture body is produced from steel sheets.  
Coated with highly reflective electrostatic powder coating
- Light Source** : T5 1x21W, 2x21W, 1x28W, 2x28W, 1x35W, 2x35W
- Ballast** : Electronic Ballast (Hot ignition)
- Electrical Protection** : Class I, IP 20
- Installation** : The fixture is integrated into the metal ceiling plate.



### MODUS DP. MIR. REFLECTOR PERFORATED

The reflector provides glare control and is produced from aluminum and is double-parabolic.



### MODUS PC LAMEL

The fixture emits direct light and lights the space with direct light polycarbonate lamella.







## COLOUR AND PATTERN

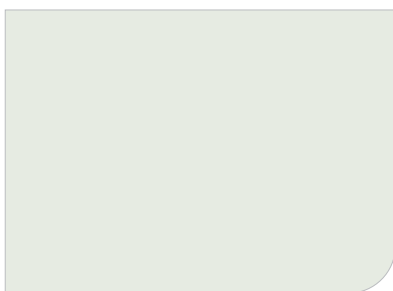
Integra Metal Ceiling Systems offer a broad selection of colour and pattern options to support the imagination of designers. In addition to the standard RAL colours given on Integra's colour card, the panels can be produced in all RAL colours or with a wood appearance upon request. An anti-bacterial paint option is also available for use in areas where hygiene is important.

# COLOURS

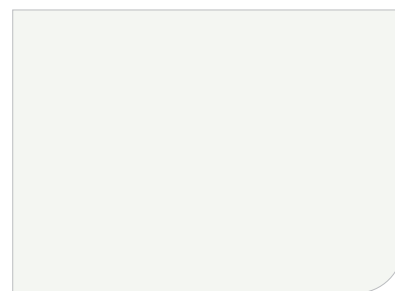
## RAL COLOURS



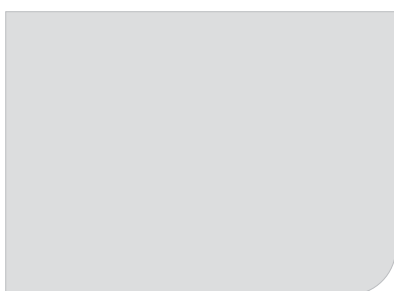
RAL 9010



RAL 9002



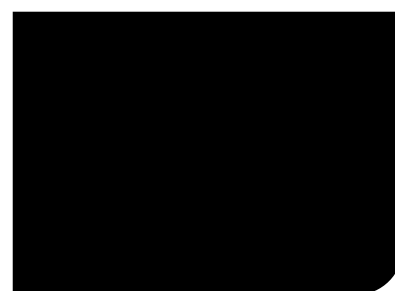
RAL 9016



RAL 7047



RAL 7004



RAL 9005



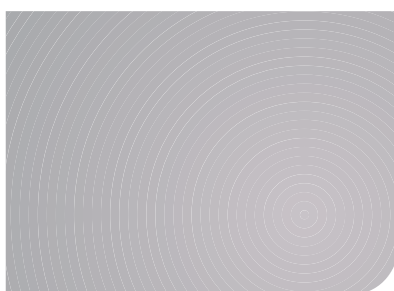
RAL 2008



RAL 1018



RAL 6002



RAL 9006 METALLIC



RAL 9022 METALLIC



RAL 9007 METALLIC

## WOOD PATTERN OPTIONS



101-V13 Walnut-1



104-V1 Walnut-2



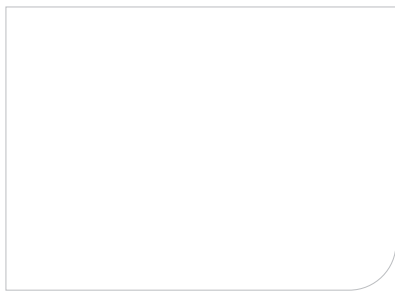
100-V1 Acacia

For other colour and wood patterns, please contact Integra head office.

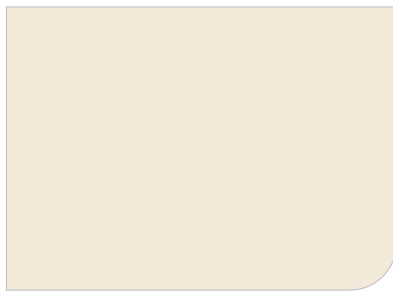




# COLOURS



RAL 9003



RAL 1013



RAL 7035



RAL 8011



RAL 3005



RAL 3020



RAL 5012



RAL 1035 METALLIC



RAL 7048 METALLIC



108-V3 Oak-1

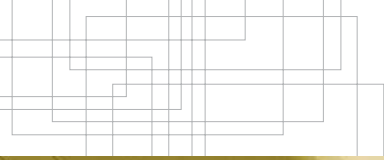


103-V7 Oak-2



102-V1 Pine





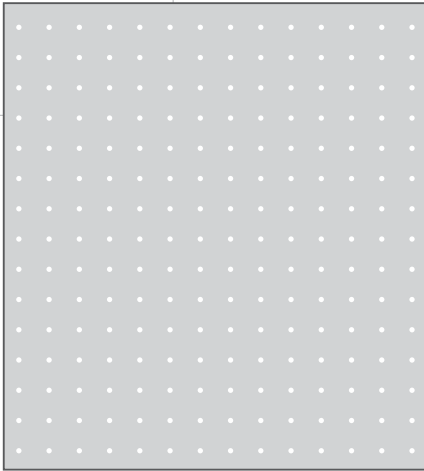


## PERFORATION

All products are offered plain or perforated (0.7mm, 1.5mm, 1.8mm, 2.5mm, 3.0mm, 7.0mm). All perforated products can be produced with various plain borders upon request. Special perforated products may also be available upon request.

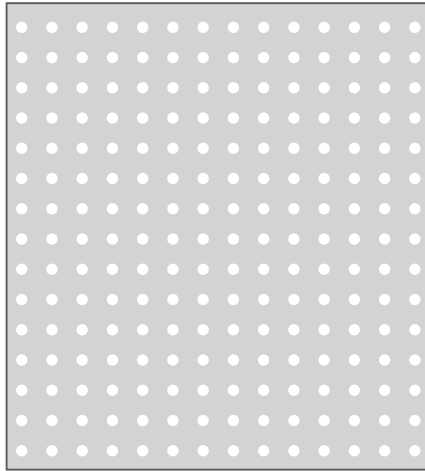
# PERFORATION

## STANDARD PERFORATIONS



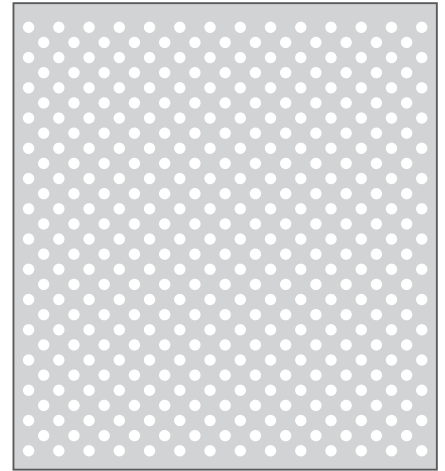
**Perforation  
Open area**

Ø0,7 mm  
%2,4



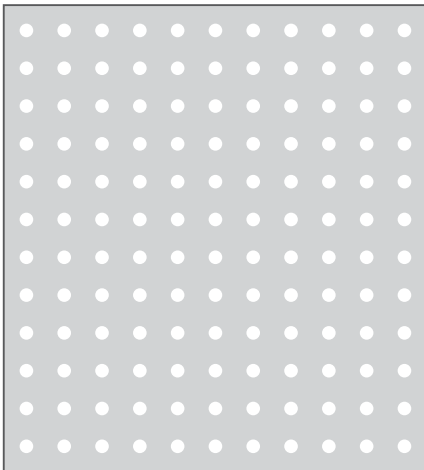
**Perforation  
Open area**

Ø1,5 mm  
%11



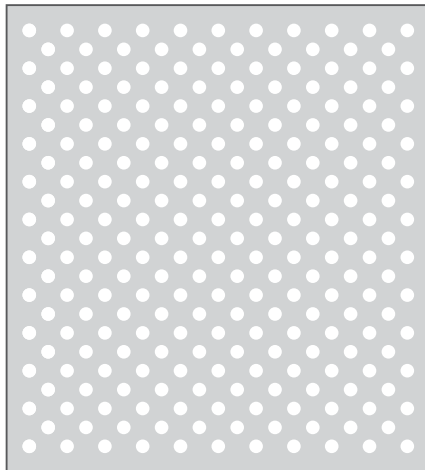
**Perforation  
Open area**

Ø1,5 mm  
%22



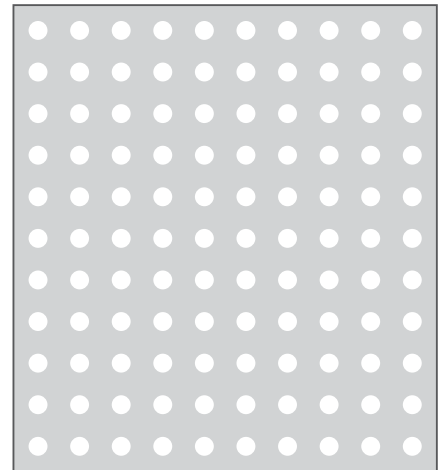
**Perforation  
Open area**

Ø1,8 mm  
%10,5



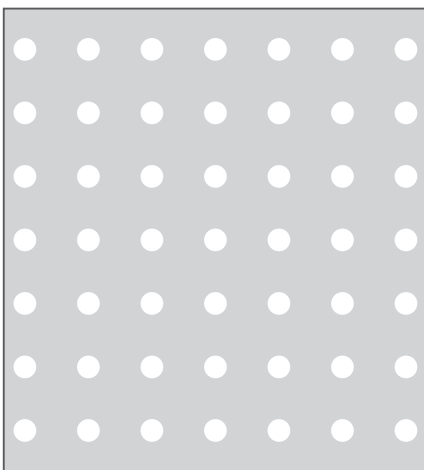
**Perforation  
Open area**

Ø1,8 mm  
%21



**Perforation  
Open area**

Ø2,5 mm  
%16



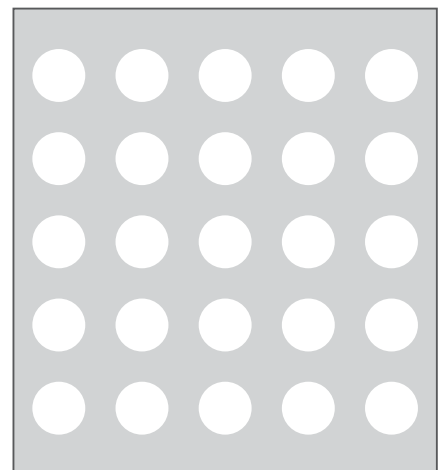
**Perforation  
Open area**

Ø3 mm  
%10



**Perforation  
Open area**

Ø3 mm  
%20



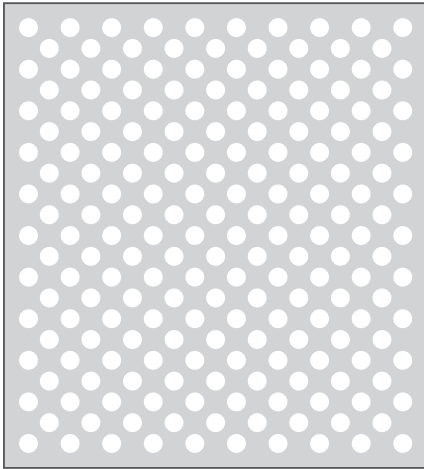
**Perforation  
Open area**

Ø7 mm  
%32



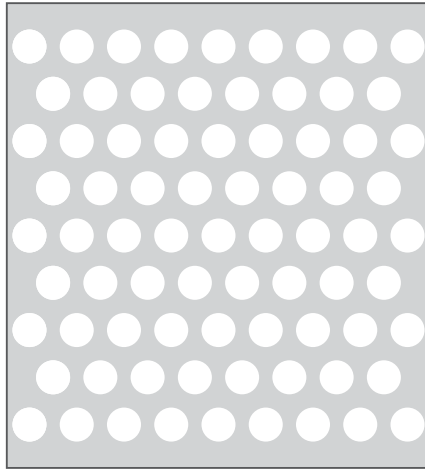
# PERFORATION

## SPECIAL PERFORATIONS



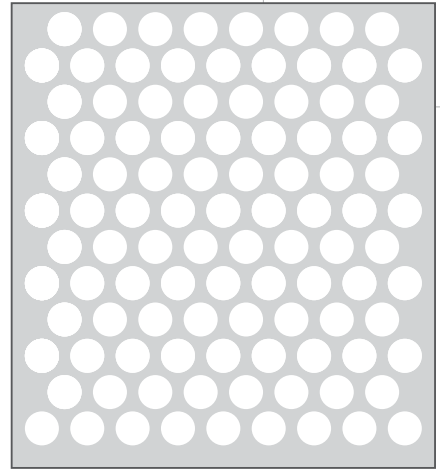
**Perforation  
Open area**

Ø2.5 mm  
%32



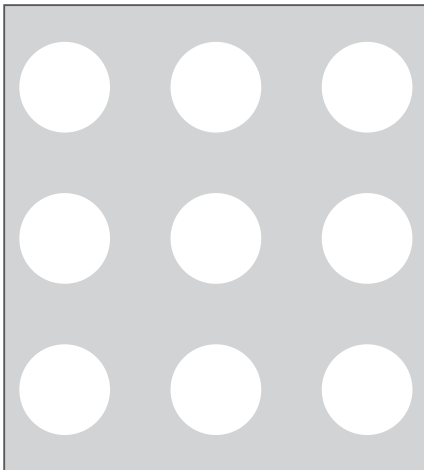
**Perforation  
Open area**

Ø4,5 mm  
%41



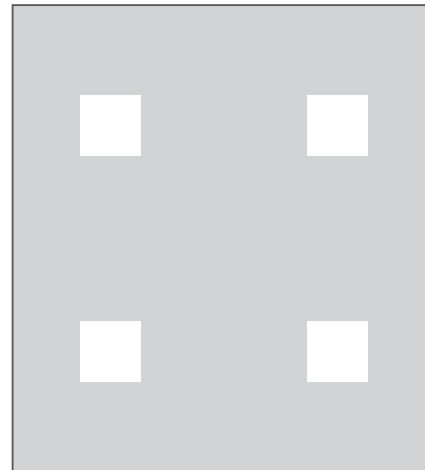
**Perforation  
Open area**

Ø4,5 mm  
%55



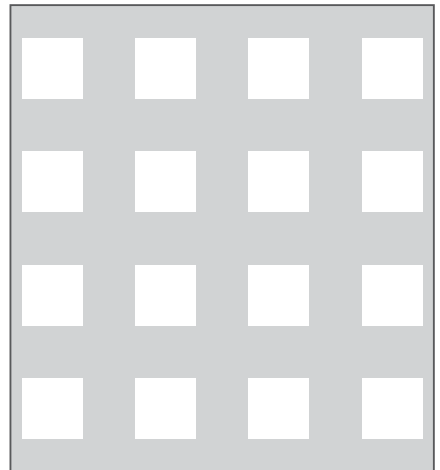
**Perforation  
Open area**

Ø12 mm  
%28



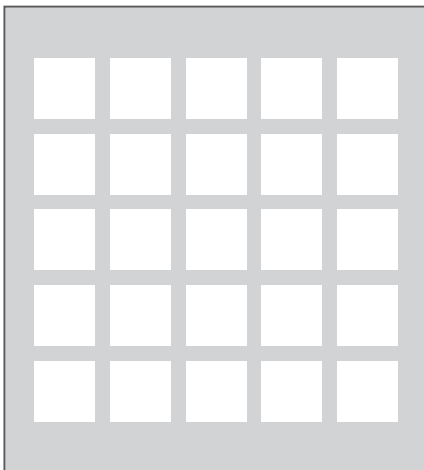
**Perforation  
Open area**

8x8 mm  
%7



**Perforation  
Open area**

8x8 mm  
%28

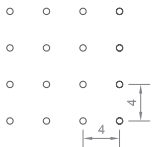
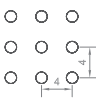
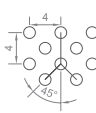
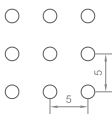
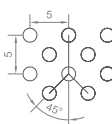
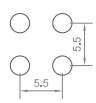
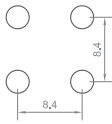
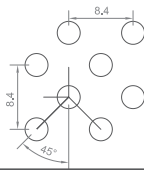
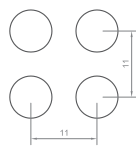


**Perforation  
Open area**

8x8 mm  
%64

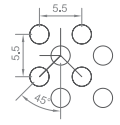
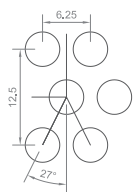
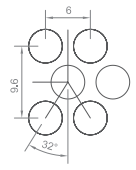
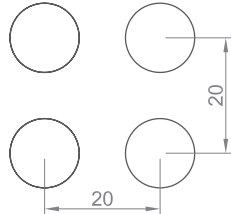
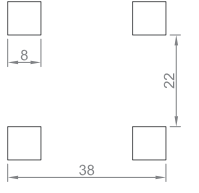
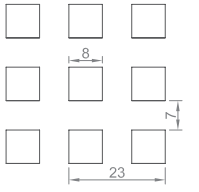
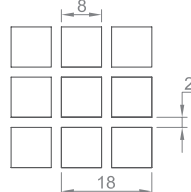


# PERFORATION

STANDARD PERFORATIONS	Perforation Diameter (mm)	Open Area (%)	Alignment Form	Max. Perforation Width (mm)	Max. Roll Width (mm)	Max. Material Thickness Steel (mm)	Max. Material Thickness Alu. (mm)	Sound Absorption (Soundtex)		Sound Absorption (Soundtex + Rockwool)	
								NRC	$\alpha_w$	NRC	$\alpha_w$
	Ø0,7	%2.4	Square	697	750	0.6	0.7	0.60	0.60	0.70	0.60
	Ø1.5	%11.0	Square	1236	1305	0.7	0.7	0.70	0.75	0.85	0.85
	Ø1.5	%22.0	Diagonal	1238	1305	0.7	0.7	0.60	0.60	0.85	0.90
	Ø1.8	%10.5	Square	1255	1305	0.7	1.0	0.70	0.75	0.80	0.85
	Ø1.8	%21.0	Diagonal	1258	1305	0.7	1.0	0.60	0.60	0.85	0.90
	Ø2.5	%16.0	Square	1260	1305	1.0	1.0	0.70	0.70	0.80	0.85
	Ø3.0	%10.0	Square	697	1250	0.7	0.7				
	Ø3.0	%20.0	Diagonal	701	1250	0.7	0.7	0.65	0.65	0.85	0.90
	Ø7.0	%32.0	Square	715	1250	1.0	1.0	0.70	0.75	0.85	0.85



# PERFORATION

STANDARD PERFORATIONS	Perforation Diameter (mm)	Open Area (%)	Alignment Form	Max. Perforation Width (mm)	Max. Roll Width (mm)	Max. Material Thickness Steel (mm)	Max. Material Thickness Alu. (mm)	Sound Absorption (Soundtex)		Sound Absorption (Soundtex + Rockwool)	
								NRC	$\alpha_w$	NRC	$\alpha_w$
	Ø2.5	%32.0	Diagonal	1270	1300	0.7	1.0	0.60	0.65	0.90	0.90
	Ø4.5	%41.0	Diagonal	1270	1300	0.7	1.0				
	Ø4.5	%55.0	Diagonal	1270	1300	0.7	1.0	0.60	0.60	0.85	0.90
	Ø12.0	%28.0	Square	1270	1300	0.7	1.0	0.75	0.75	0.80	0.85
	8x8	%7.0	Square	1270	1300	0.7	1.0				
	8x8	% 28.0	Square	1270	1300	0.7	1.0	0.75	0.75		
	8x8	%64.0	Square	1270	1300	0.7	1.0				









## ACOUSTICS

Integra panels are manufactured with acoustical inlay to provide the best acoustic solutions. Special acoustic infill materials can be adapted for special acoustic requirements.

## ACOUSTICS

Building acoustics can be reviewed under 3 main titles.

### Indoor acoustics:

Associated with providing acoustic properties in enclosed spaces. While the most important evaluation criterion is reverberation time, "sound absorption" in the space is the key to achieving the acoustic values desired.

### Sound insulation:

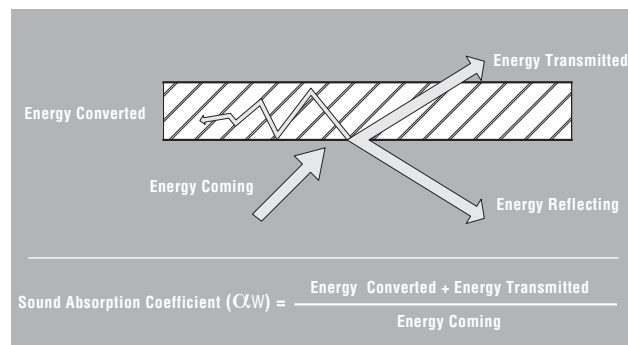
Associated with the feature of building and building conditions to prevent sound passing between two rooms. It can be divided into 2 types; providing sound insulation by air way and impact sound insulation in adjacent areas.

### Noise:

Associated with sounds in the outside environment such as vehicle noise, air conditioner, lighting equipment and background sounds or the human voice coming from the adjoining room.

## SOUND ABSORPTION;

When a sound wave hits any surface, part of its energy is reflected back into the room while the other part of it affects the surface. Part of the sound wave energy is converted into thermal energy and is absorbed while the remaining part is transmitted. The level of the energy converted into thermal energy is dependent on the sound absorption capacity of the panel.

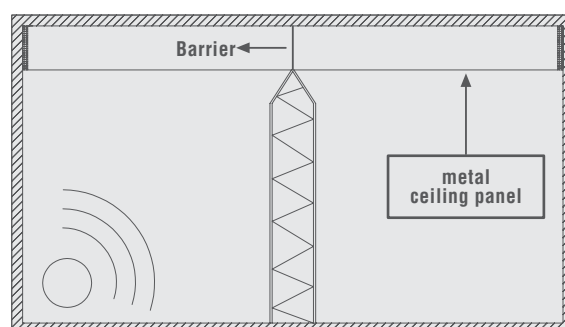


Integra metal ceiling panels to having been subjected tests in international institutes and laboratories in accordance with DIN EN 20354 and DIN EN ISO 116554 norms and meet the sound absorption values (NRC) required in the space.

Sound absorption values are related directly to the material used and perforations applied on the panel. Perforated Metal Ceilings improve room acoustics and reduce the echo time.

## SOUND INSULATION

Sound insulation is applied in order to; protect against the hazardous effects of noise by insulating the living environment from undesired sounds, to reduce the sounds emitted from noisy areas in the environment into the surrounding area and to create suitable conditions of use in spaces such as movie theaters and recording studios. Sound reduction values are generally subjected to testing according to EN ISO 140 and EN ISO 717-1 norms in the 1/3 octave band. The sound reduction value for acoustic applications in buildings is tested at frequencies ranging from 100 to 3150 Hz as per ISO and from 125 to 4000 Hz as per ASTM. The sound insulation value for ceilings according to the EN ISO 717-1 norms is defined as  $D_{n,c,w}$  (dB). INTEGRA metal ceiling panels sound insulation values are able to decrease sound transmissions arising from sound sources such as ventilation in the ceiling void, lighting systems and noise transmitted from room to room. (20-40 dB)



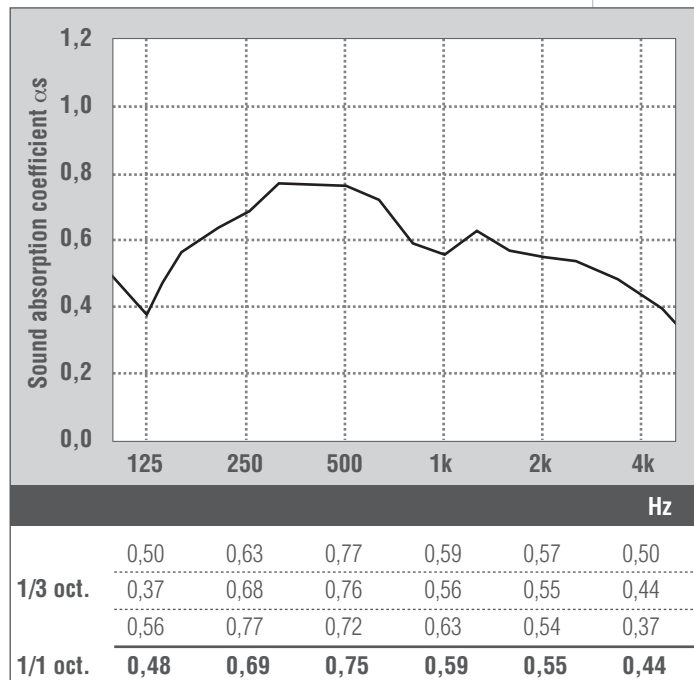
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø0.7** mm, Square  
 Open Area : **2.4%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,60**

NRC (ASTM - C 423) = **0,60**

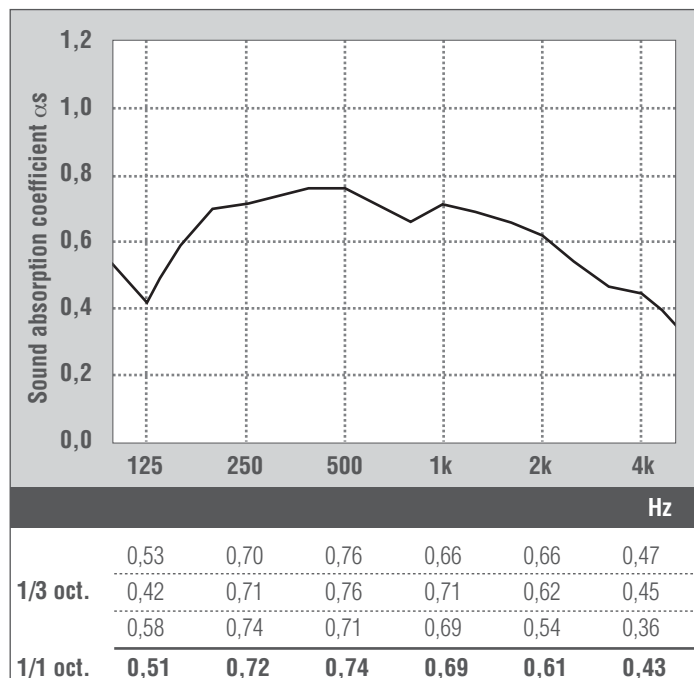


Size : 600x600x0.6 mm  
 Perforation Type : **Ø0.7** mm, Square  
 Open Area : **2.4%**  
 Acoustical Inlay : **Soundtex + 25 mm x 18.7 kg/m<sup>3</sup> glasswool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,60**

NRC (ASTM - C 423) = **0,70**



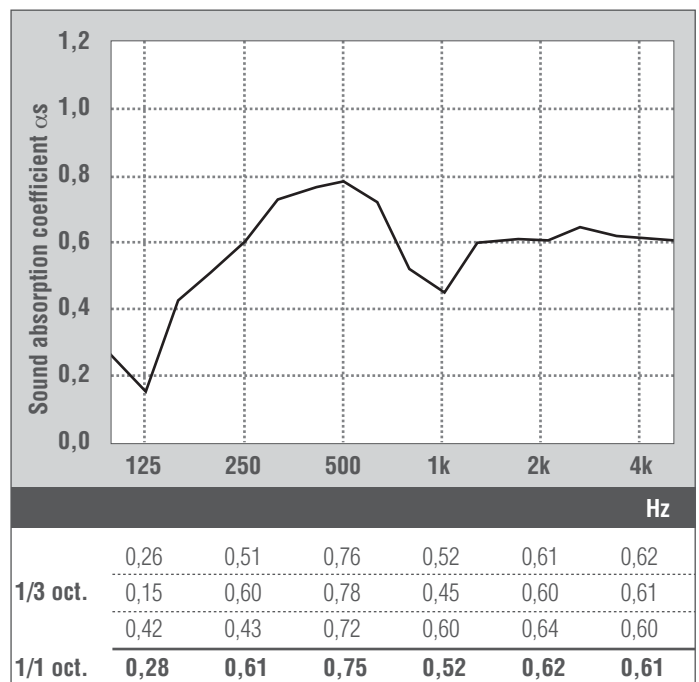
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø1.5 mm, Square**  
 Open Area : **22%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,60**

NRC (ASTM - C 423) = **0,60**

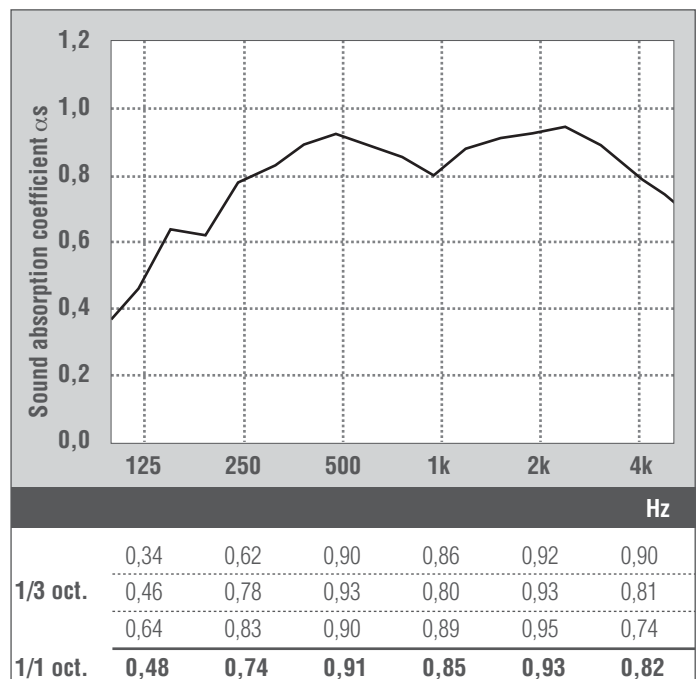


Size : 600x600x0.6 mm  
 Perforation Type : **Ø1.5 mm, Square**  
 Open Area : **22%**  
 Acoustical Inlay : **Soundtex + 25 mm x 50 kg/m<sup>3</sup> rockwool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,90**

NRC (ASTM - C 423) = **0,85**



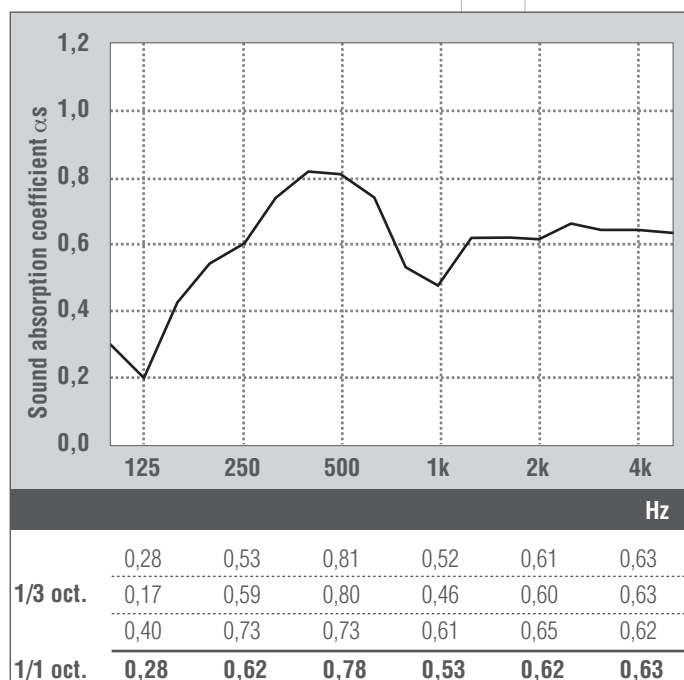
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø1.8** mm, Square  
 Open Area : **21%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,60**

NRC (ASTM - C 423) = **0,60**

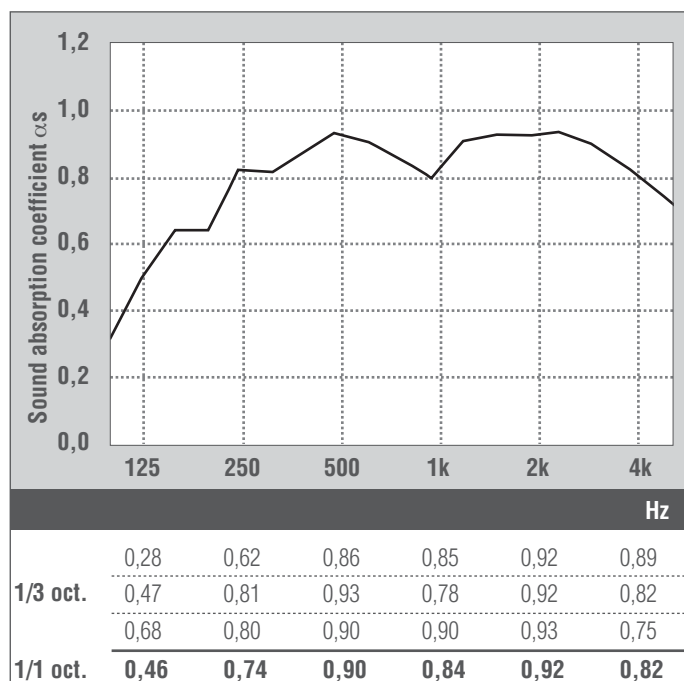


Size : 600x600x0.6 mm  
 Perforation Type : **Ø1.8** mm, Square  
 Open Area : **21%**  
 Acoustical Inlay : **Soundtex + 25 mm x 50 kg/m<sup>3</sup> rockwool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,90**

NRC (ASTM - C 423) = **0,85**



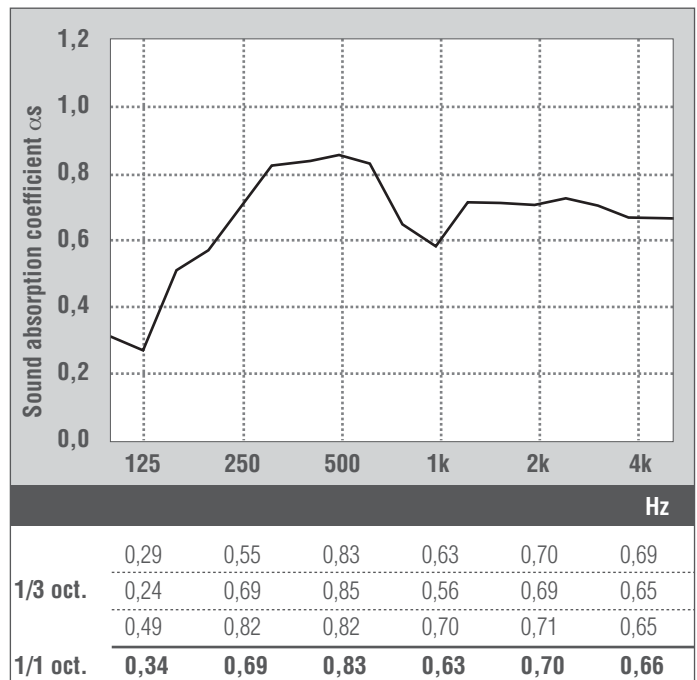
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø2.5** mm, Square  
 Open Area : **16%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,70**

NRC (ASTM - C 423) = **0,70**

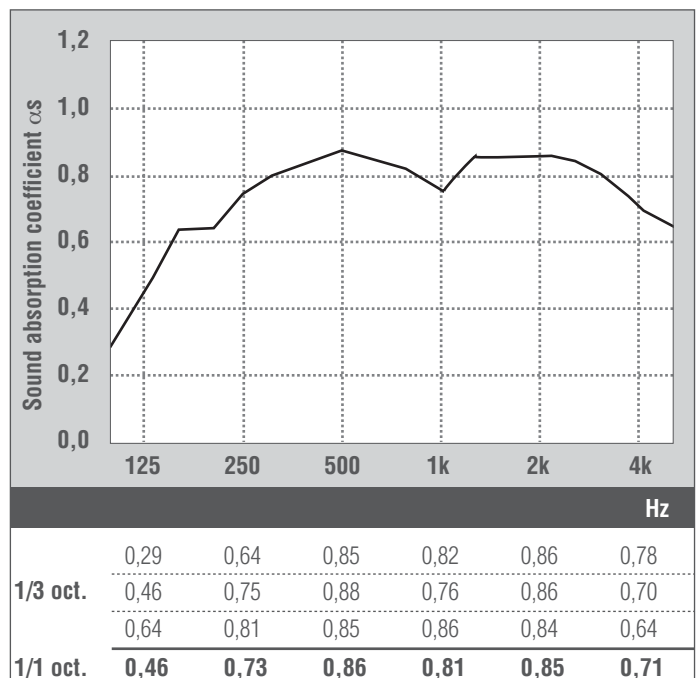


Size : 600x600x0.6 mm  
 Perforation Type : **Ø2.5** mm, Square  
 Open Area : **16%**  
 Acoustical Inlay : **Soundtex + 25 mm x 50 kg/m<sup>3</sup> rockwool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,85**

NRC (ASTM - C 423) = **0,80**



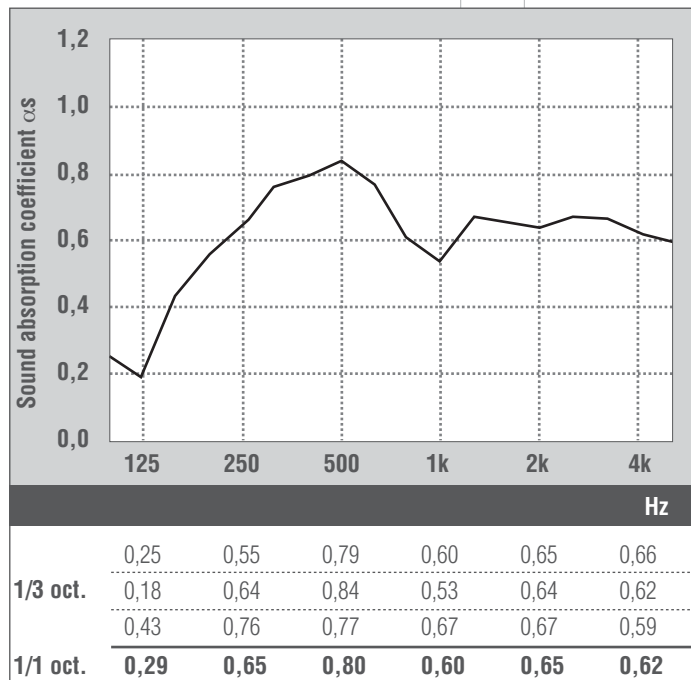
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø3** mm, Square  
 Open Area : **20%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,65**

NRC (ASTM - C 423) = **0,65**

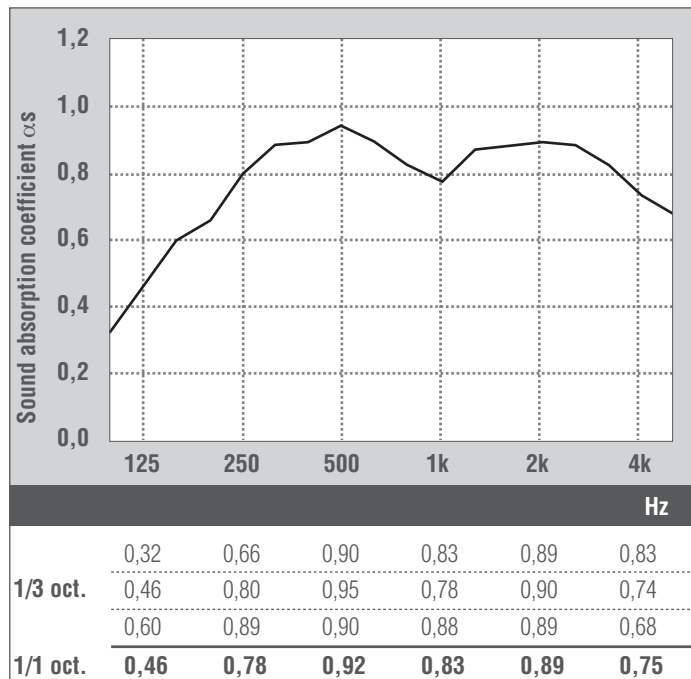


Size : 600x600x0.6 mm  
 Perforation Type : **Ø3** mm, Square  
 Open Area : **20%**  
 Acoustical Inlay : **Soundtex + 25 mm x 50 kg/m<sup>3</sup> rockwool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,90**

NRC (ASTM - C 423) = **0,85**



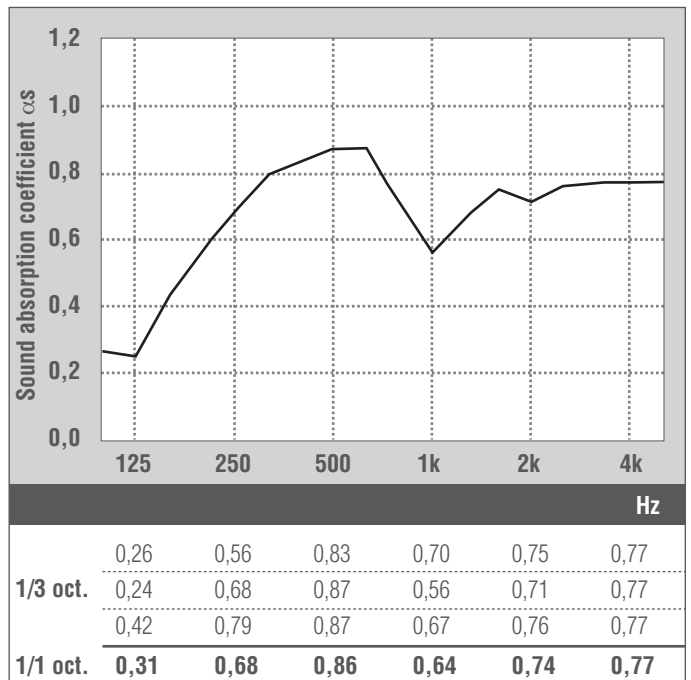
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø7** mm, Square  
 Open Area : **32%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,75**

NRC (ASTM - C 423) = **0,70**

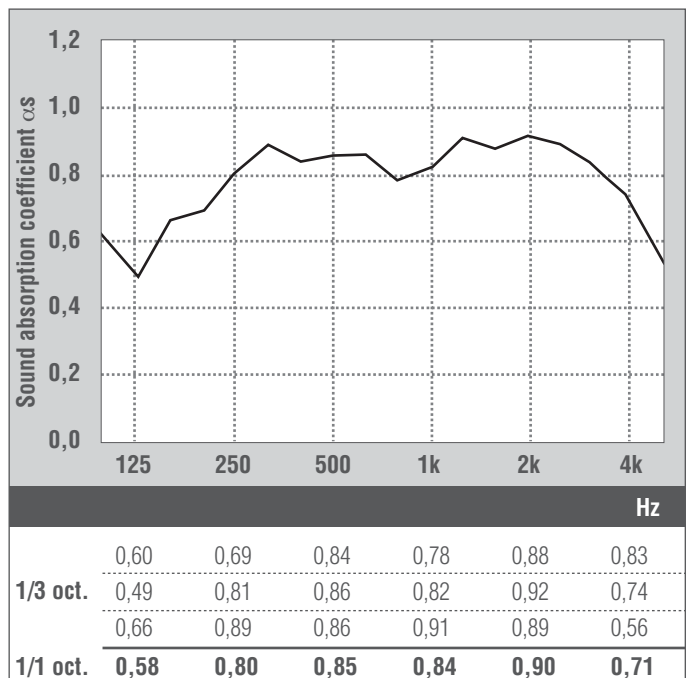


Size : 600x600x0.6 mm  
 Perforation Type : **Ø7** mm, Square  
 Open Area : **32%**  
 Acoustical Inlay : **Soundtex + 25 mm x 18.7 kg/m<sup>3</sup> glasswool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,85**

NRC (ASTM - C 423) = **0,85**





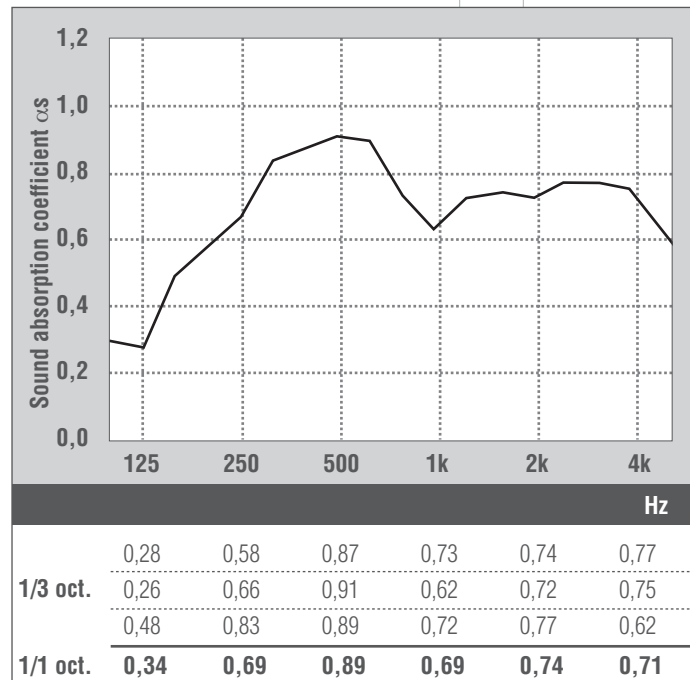
## ACOUSTICS

Size : 600x600x0.6 mm  
 Perforation Type : **Ø12** mm, Square  
 Open Area : **28%**  
 Acoustical Inlay : **Soundtex**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,75**

NRC (ASTM - C 423) = **0,75**

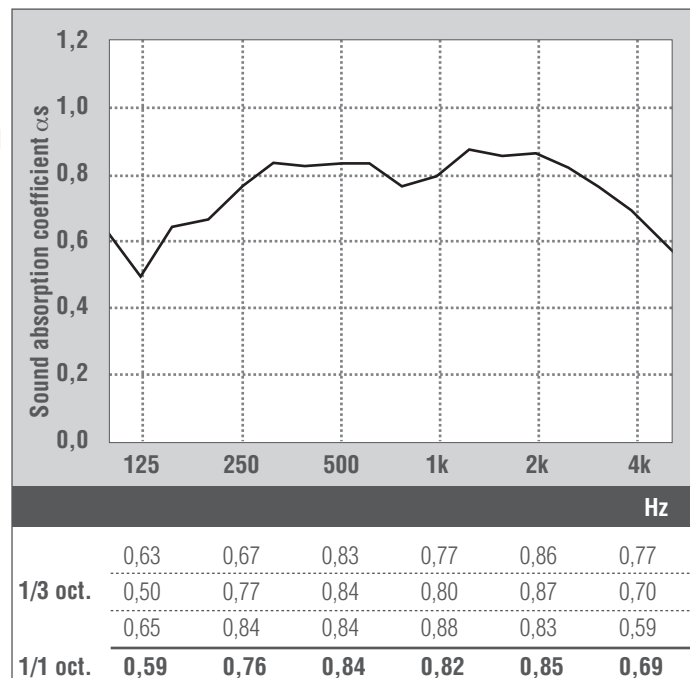


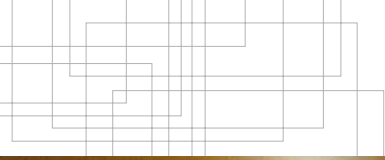
Size : 600x600x0.6 mm  
 Perforation Type : **Ø12** mm, Square  
 Open Area : **28%**  
 Acoustical Inlay : **Soundtex + 25 mm x 18.7 kg/m<sup>3</sup> glasswool**

Volume of reverberation room : 214 m<sup>3</sup>  
 Sample area : 10,87 m<sup>2</sup>  
 System height : 0.2 m  
 Signal : Broad band  
 Band-width : 1/3 octave

$\alpha_w$  (ISO 11654) = **0,85**

NRC (ASTM - C 423) = **0,80**







## FIRE

Fires that break out in the buildings and spread very rapidly cause a high level of destruction. For this reason, subjects relating to fire safety have to be handled carefully extremely at the design stage of the building and materials selection is vitally important. The main purpose of ensuring fire safety is to minimize the degree of destruction arising from an outbreak of fire.

## FIRE

When providing fire safety, above all else, the type of building and room in which the suspended ceiling system to be installed is important. During the initial stages of a fire there are three critical conditions to be considered.

- Suspended ceilings should not contribute to the spread of the fire or the formation of smoke. This may be ensured by the use of suspended ceiling systems that conform to the Euro class B-s1 (s2) d0 class of reaction to fire.
- While rescue and evacuation operations are conducted during the early stages of the fire, suspended ceiling systems should not be demolished or collapse. This is possible with suspended ceiling systems capable of withstanding heat up to approximately 300°C.
- Suspended ceiling systems should not include any combustible materials.

### Reaction to Fire performance classes for building materials other than flooring

Fire reaction class- Euroclass (EN 13501-1) standard

B	s1,	d
Basic class	Smoke class formation	Flame draplet

- **Basic classes**  
A1, A2, B,C,D, E and F (A1; the best, F; the worst)
- **Smoke formation classes**  
s1, s2, and s3 (s1;the best )
- **Flame dripping classes**  
d0, d1,d2, (d0; the best)

A1		
A2-s1,d0	A2-s1,d1	A2-s1,d2
A2-s2,d0	A2-s2,d1	A2-s2,d2
A2-s3,d0	A2-s3,d1	A2-s3,d2
B-s1,d0	B-s1,d1	B-s1,d2
B-s2,d0	B-s2,d1	B-s2,d2
B-s3,d0	B-s3,d1	B-s3,d2
C-s1,d0	C-s1,d1	C-s1,d2
C-s2,d0	C-s2,d1	C-s2,d2
C-s3,d0	C-s3,d1	C-s3,d2
D-s1,d0	D-s1,d1	D-s1,d2
D-s2,d0	D-s2,d1	D-s2,d2
D-s3,d0	D-s3,d1	D-s3,d2
E		
E-d2		
F		

## FIRE

Fire reaction performance classes for building materials other than flooring

Inflammables Feature of the Material	No Smoke Formation	No Burning/ Dripping Particles	European class (as per TS EN 135011 Inflammables)
Inflammables	X	X	A1
Hard-flammable	X	X	A2 - s1,d0
Hard flaming	X	X	B, C - s1,d0
		X	A2 - s2,d0 A2, B, C - s3,d0
	X		A2, B, C - s1,d1 A2, B, C - s1,d2
(minimum)			A2, B, C - s3,d2
Normal flaming		X	D - s1,d0 D - s2,d0 D - s3,d0 E
			D - s1,d2 D - s2,d2 D - s3,d2
(minimum)			E - d2
Easy-flaming			F

Fire reaction classes for INTEGRA metal ceiling panels subjected to tests in international institutes and laboratories in accordance with EN 13501-1 standard

FIRE REACTION CLASS	WITHOUT FABRIC	ROYALIN
Galvanized steel	B-s1,d0	B-s1,d0
Aluminum	B-s1,d0	B-s1,d0

All fire reports required for perforated Integra metal ceiling panels, whether with acoustic fabric or not, can be obtained upon request from Integra head office.



## MAINTENANCE GUIDE

### Field Cutting

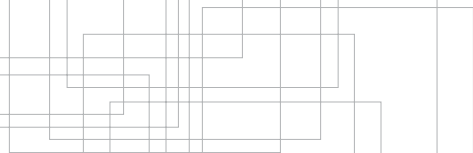
Metal ceilings may need to be field cut to accommodate special conditions: less than full module perimeters, columns penetrating the ceiling etc. Such cuts should be made by competent craftsmen using appropriate tools: duct snips, electric sheet metal shears or hand-saws. Extreme care must be exercised to prevent damage to painted surfaces or buckling and distortion. Cut edges should be concealed with the appropriate trim.

### Cleaning and Maintenance

Dust should be removed from painted surfaces by wiping with a clean soft cloth. Grease and finger prints should be removed with a mild household cleaner suitable for painted surfaces. Do not use abrasive cleaners or scrub the surface.

### Storage and Transportation

Ceiling components should be stored under conditions of use in a dry interior location and should remain in cartons until installation. Care must be exercised during the handling and opening of cartons to avoid damage



Offering high quality  
solutions to all interior  
dimensions







Since 2000, Integra has been providing solutions to architects, interior designers and contractors through its extensive range of products which include; metal ceilings, partition walls and raised access floorings.



Integra offers wide range of high quality products through its extensive line of design alternatives and options incorporation the Tile, Plank, Open Cell, Expanded and fully customised ceiling systems, all of which can be supplied in different shapes, colours and sizes.





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