

## D-H 700 SYSTEM Island Ceilings





#### BENEFITS

- Modular concept for optimum flexibility
- Visually defines a space
- Freedom in design
- Modern absorber solution for exposed soffits
- Meets demanding acoustic requirements
- Integration of lighting, air conditioning and other equipment
- Quick and easy to install

#### APPLICATION AREA

- Any exposed soffit applications
- All areas with floating applications



#### COLOUR SELECTION



Global White



RAL colors<sup>#</sup>

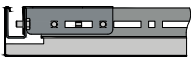

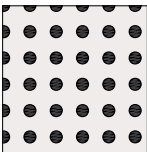
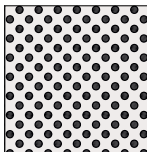



Wood Grain  
Colors<sup>#</sup>

<sup>#</sup> Available on request

# PHYSICAL DATA - D-H 700 SYSTEM FLOATING CEILINGS

## STANDARD PERFORATION PATTERNS

D-H 700	Plain	Standard Perforated Rd1518	Microperforated Rg2516	Microperforated
	 No perforations	 2.5 mm dia. holes 16% Open area	 1.5 mm dia. holes 18% Open area	 1.8 mm dia. holes 20% Open area
<b>Galvanised Steel (0.6/0.7mm)</b> <b>Aluminium (1.0mm)</b> Panel length (A) 600 - 3000 mm Panel width (B) 275 - 750 mm	✓ ✓	✓ ✓	✓ ✓	✓ ✓



NRC 0.70



EEA Euroclass A2-s2, d0

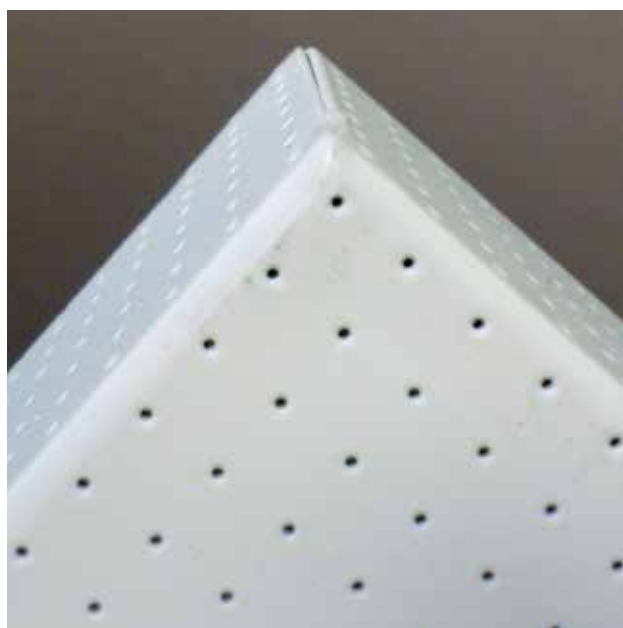


95% RH

## SPECIFICATION

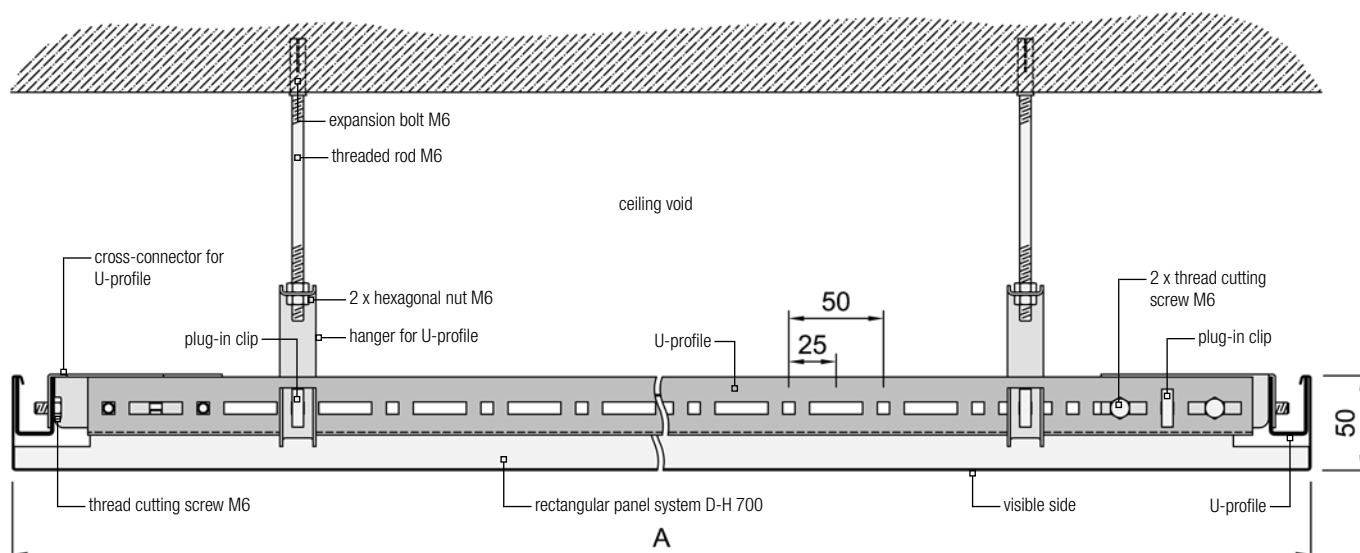
System	Armstrong ceiling system D-H 700, Island Hook-On solution with concealed grid, suspension height min. 105 mm
Panel material	galvanised steel sheet panel width up to 400 mm 0.6 mm panel width from 401 mm 0.7 mm (aluminium or other materials on request)
Coating	Global white post-coated powder painted visible surface, other RAL colours on request
Execution* standard panel	rectangular panel square edged long sides CA / DA (30 - 50 mm) not visible, short sides E4 / F4 (50 mm) visible
Execution* end panel	rectangular panel square edged one long side CA (30 - 50 mm) not visible, one long side DA (50 mm) visible short sides E4 / F4 (50 mm) visible
Execution* single panel	rectangular panel square edged long sides CA / DA (50 mm) visible short sides E4 / F4 (50 mm) visible
Gap solution	0 mm gap, without gasket
Acoustic inlay	Black non-woven acoustic fleece as standard. Other options available on request.
Configurable dimensions	panel length (A) 600 - 2750 mm (in steps of 25 mm) panel width (B) 250 - 600 mm (in steps of 25 mm)

Grid system	U-profile cross-connected with security bracket to secure end panels
Service integration	standard round or rectangular cut-outs plus customised options on request
Special capabilities	- chilled ceiling solution - can be combined with other Armstrong products

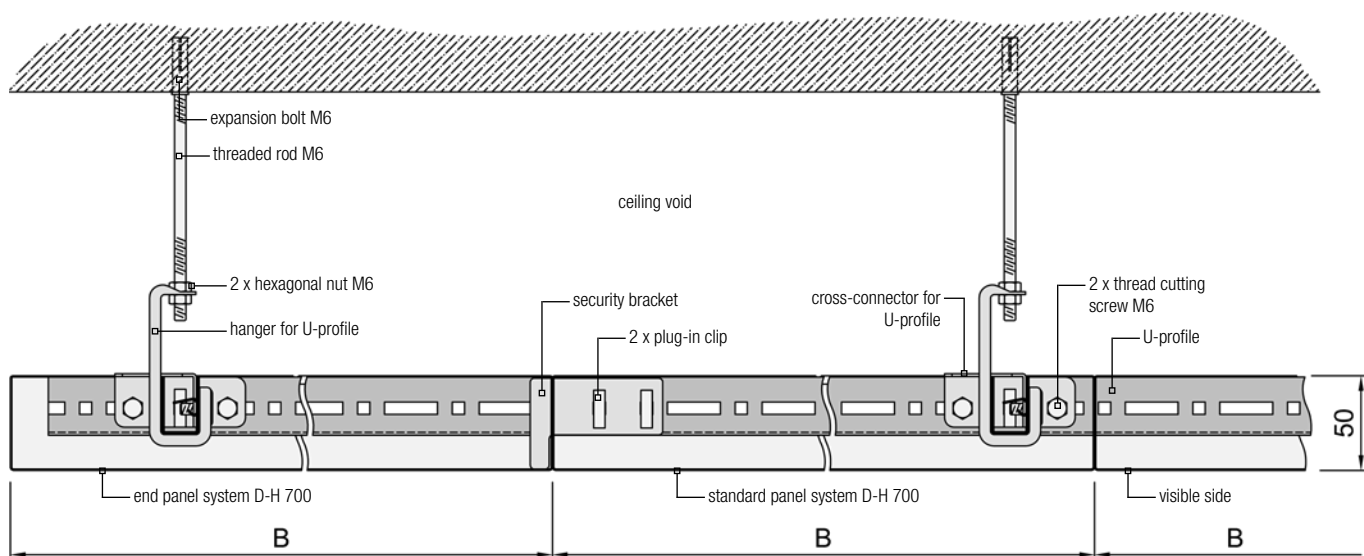


\* For further information about the edge detail execution of metal tiles, please see the Metal Edge Detail Execution datasheet

## CROSS-SECTION



## LONGITUDINAL-SECTION



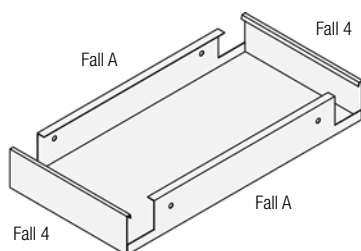
For chilled ceilings or additional acoustic inlays the bending height of the panel will change from 50mm to 65mm.

Item No.	Designation
IND 300100	U-profile
IND 300119	connector for U-profile
BPM 300120	plug-in clip
IND 300366	hanger for U-profile
-	expansion bolt M6 x 30 mm

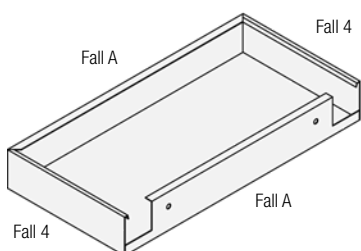
Item No.	Designation
-	threaded rod M6 x 1'000 mm
-	hexagonal nut M6
IND 315710	cross-connector for U-profile
-	thread cutting screw M6 x 10 mm
IND 315711	security bracket H = 50 mm

# PANEL & GRID DETAIL

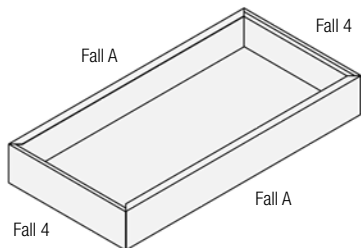
**Detail A** D-H 700 standard panel



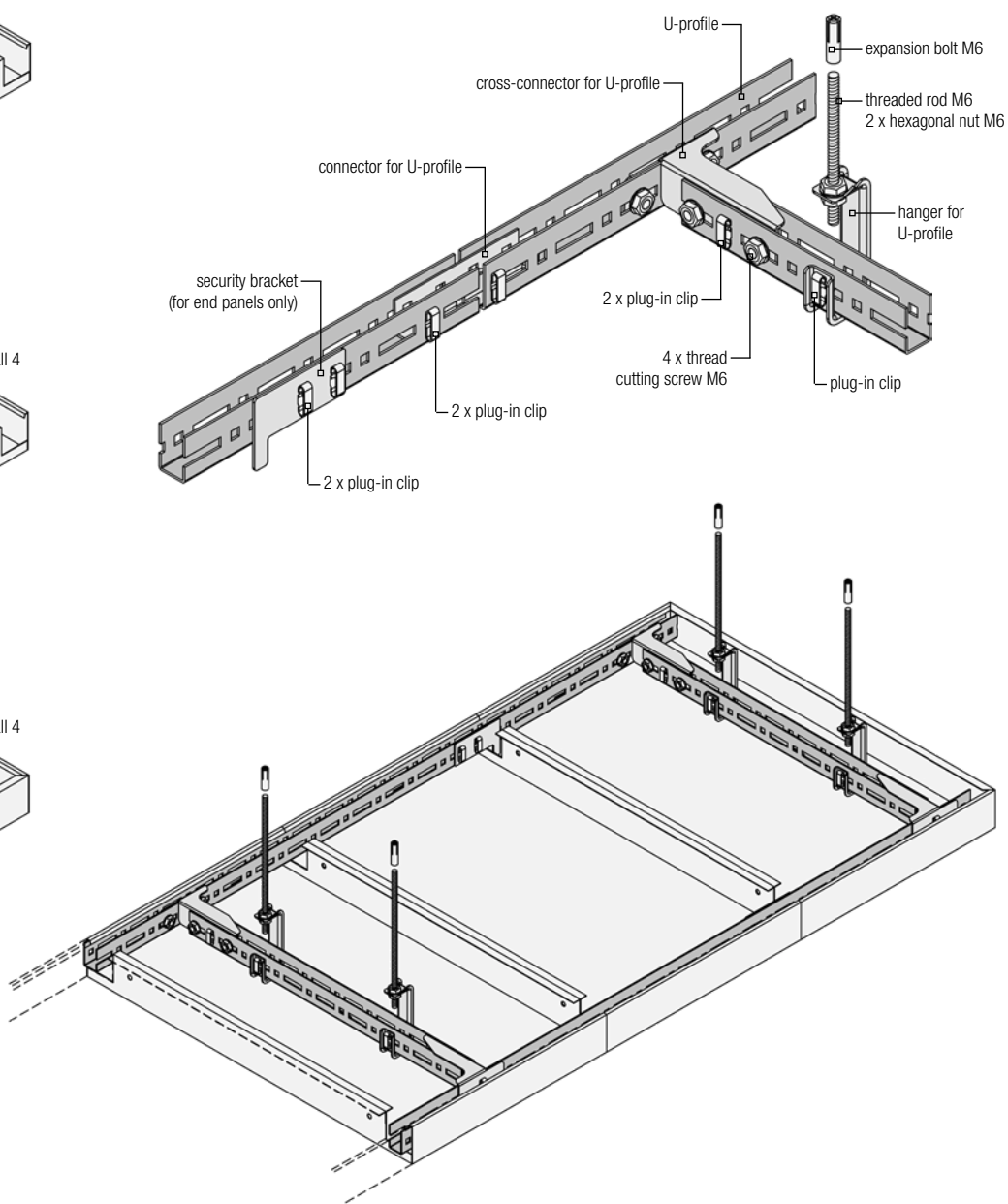
**Detail B** D-H 700 end panel



**Detail C** D-H 700 single panel



**Detail D** grid system

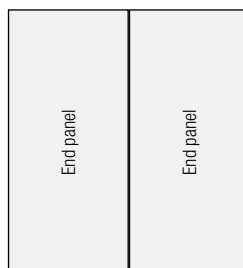


For further information about the edge detail execution of metal tiles, please see the Metal Edge Detail Execution datasheet

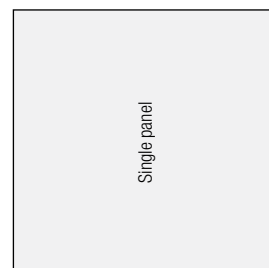
## LAYOUOT OPTIONS



Modular option 1



Modular option 2



Single panel option

## SPECIFICATION

### ACOUSTIC PERFORMANCE

Metal ceiling systems have been tested for their acoustic performance of sound absorption. All perforated products can be supplied with a variety of factory fitted acoustic infill options. Please contact us for more information.

### THERMAL CONDUCTIVITY

(λ) W/mK  
50.0 : Steel  
0.04 : Acoustic fleece

### HUMIDITY EXPOSURE

Up to 95% RH (for short term exposure).

### SERVICES INTEGRATION

Metal panels can be supplied with factory produced cut outs and apertures for the integration of building services equipment.

### CLEANING






Dust should be removed from the painted surface by wiping with a clean soft cloth. More stubborn marks should be removed with a mild household detergent in warm water. Excessive use of water should be avoided. The use of abrasive cleaners of the painted surface is not recommended.

### QUALITY STANDARD

Armstrong is a certified **EN ISO 9001:2008** Quality Assured Manufacturer. All Armstrong ceiling and grid systems are manufactured to the relevant tolerances and quality standards appropriate to material. Where differences exist between this and any expressed or implied architectural specifications or requirements then Armstrong's manufacturing standards will prevail unless stated otherwise.

### ENVIRONMENTAL

Our metal panels have an average of up to 30% recycled content. Armstrong is a member of TAIM (Technical Association of Industrial Metal Ceilings).

Sustainability		Safe & Healthy					
							
ISO 14021							
Recycled content (%)	Light reflectance (%)	Fire reaction	Humidity resistance (%) up to	Cleanability	Bioguard paint option	Scratch resistance	
Microperforation Rd 1522 (2)	up to 30	65	A2-s2, d0	95	wipeable moist cloth (3)		✓
Standard Perforation Rg 2516 (2)	up to 30	70	A2-s2, d0	95	wipeable moist cloth (3)		✓
Plain / Unperforated (1)	up to 30	85	A1	95	scrubbable	✓	✓

## CONTACT US

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