PeakForm Prelude 24mm CE Grid (For Controlled Environments)

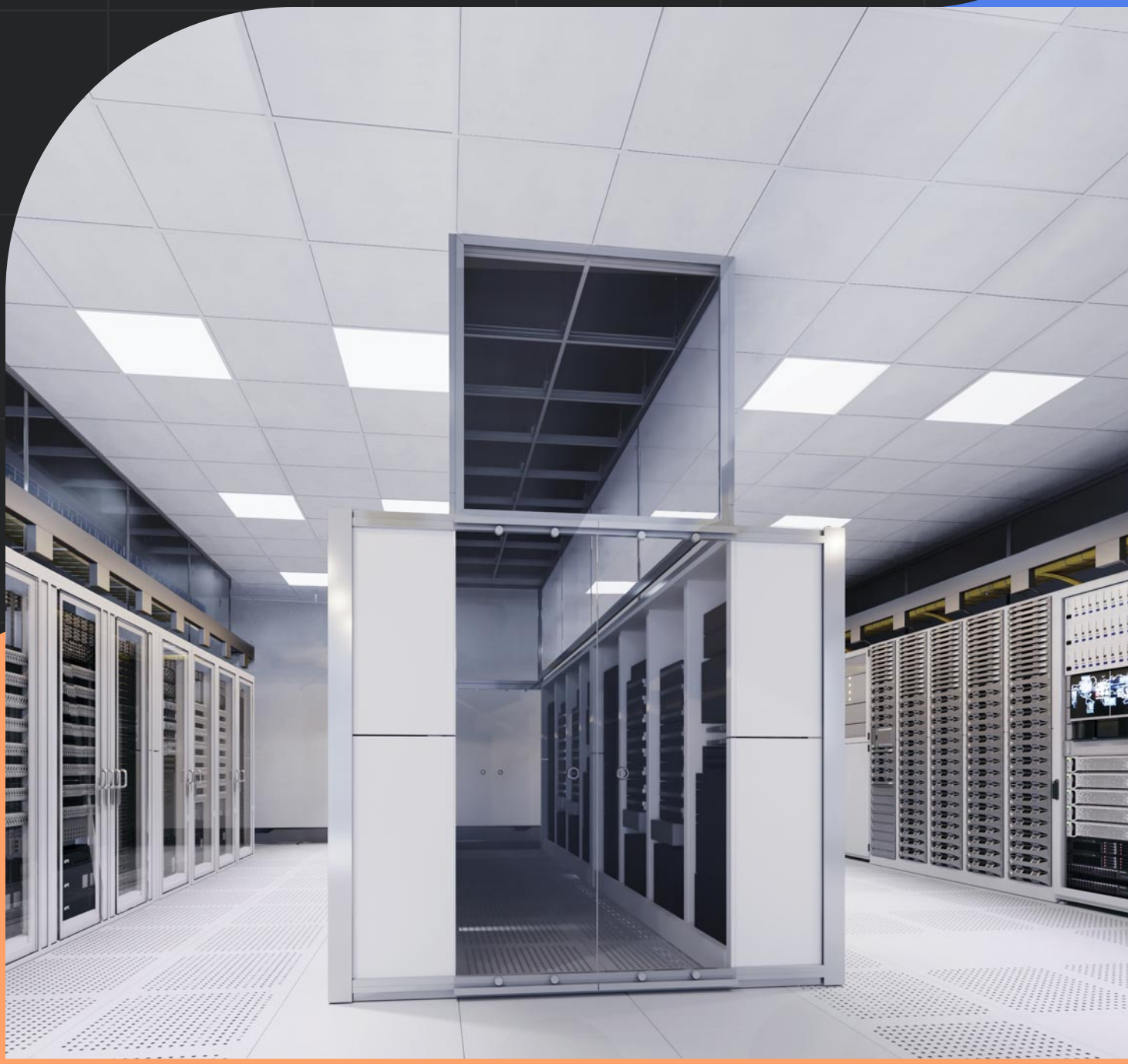
Armstrong CEILING SOLUTIONS

Benefits

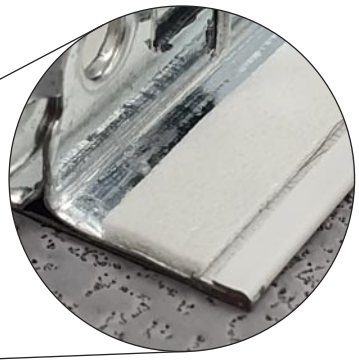
- Cost Effective 'gasketed', galvanised steel ceiling grid system
- Tried and proven "Peakform" medium duty 24mm T-Bar system
- Grid components connect securely for seismic design
- ISO 3 Clean Room performance achieved with Bioguard Acoustic Ceiling panels
- Factory fitted gasket between grid face and panel
- Hold down clip for positive pressure environments

Application Areas

- Computer rooms and data centres
- Healthcare facilities
- Clean Rooms
  - Pharmaceutical Manufacturing
  - Food and Electrical Manufacturing
  - Laboratories, PC1 and PC2 Certified Facilities
- Education (Science Labs)

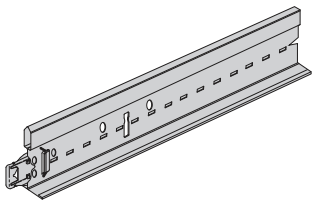


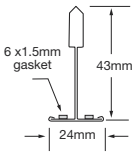
PeakForm Prelude 24mm CE Grid



Gasket seal between grid and panel

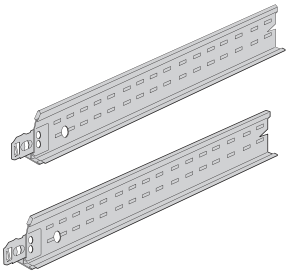
Main Bar: PRELUDE 24mm CE with Superlock Clip (bulb-to-bulb connection)

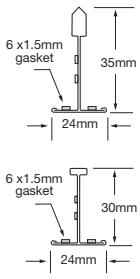




Item Number	Dimensions length (mm)	height (mm)	width (mm)	Rout Centres mm	Content / Carton pcs	lm	Weight / Carton kg
HBP734042CE	3600	43	24	100	20	72	22

Cross Runner: PRELUDE 24mm CE (stab system, override)

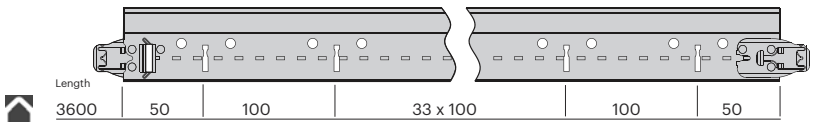




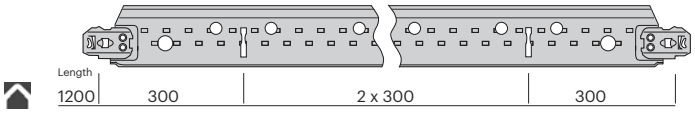
Item Number	Dimensions length (mm)	height (mm)	width (mm)	Rout Centres mm	Content / Carton pcs	lm	Weight / Carton kg
HBP313052CE	1200	35	24	300	60	72	21
HBP312022CE	600	30	24	–	60	36	10

Section Drawings

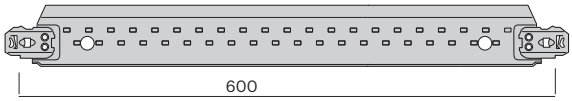
Prelude CE Main Bar



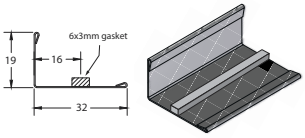
Prelude CE 1200mm Cross Runner



Prelude CE 600mm Cross Runner



Perimeter Trims

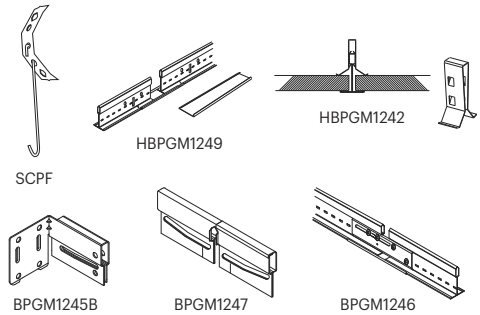


HBPT1932CE

Item Number	Description	Length (mm)	Cont / Cart'n pcs	Wt / Cart'n kg
HBPT1932CE	**Steel Perimeter Trims: Roll Formed and Prepainted** Long Leg Wall Angle	3600	30	21

Suspension and Accessories

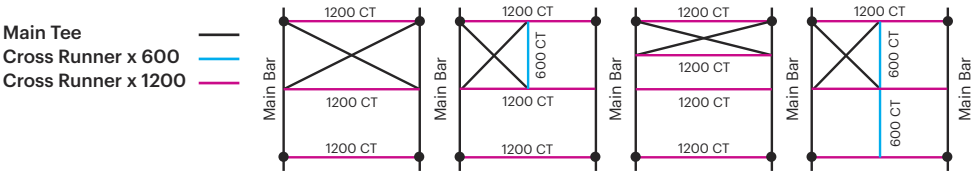
Suspension & Accessories



Item Number	Description	Length (mm)	Cont / Cart'n pcs	Wt / Cart'n kg
SCPF	Hook Suspension Clip for 5mm Rod	165	100	2.2
HBPGM1242	Universal Hold Down Clip	–	100	4.0
68650425	5mm Suspension Rod	4000	25	16
HBPGM1249	Expansion Sleeve **(Seismic)**	100	100	5.0
BPGM1245B	BERC2 Clip **(Seismic)**	–	100	4.4
BPGM1247	Cross Runner Joint Clip **(Seismic)**	127	100	3.6
BPGM1246	Main Bar Joint Clip **(Seismic)**	102	100	5.5

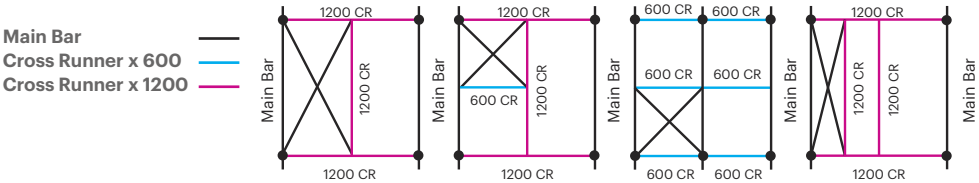
Maximum Fixture Weight

Main Bar to Main Bar (Fixture / Panel Orientation)



1. FIXTURE* (mm)	1200 x 600	600 x 600	1200 x 300	600 x 600
2. PLANNING MODULE (mm)	1200 x 1200	1200 x 1200	1200 x 600	1200 x 600
3. HANGER SPACING (mm)	1200	1200	1200	1200
4. Max Fixture Weight (kgs)	21.2 kg	14.0 kg	17.4 kg	14.0 kg

Cross Runner to Cross Runner (Fixture / Panel Orientation)



1. FIXTURE* (mm)	1200 x 600	600 x 600	600 x 600	1200 x 300
2. PLANNING MODULE (mm)	1200 x 1200	1200 x 1200	600 x 600	1200 x 1200
3. HANGER SPACING (mm)	1200	1200	1200	1200
4.Max Fixture Weight (kgs)	10.6 kg	10.6 kg	37.5 kg	17.4 kg

***Note:** Fixtures and other designed live loads weighing more than 25kg should be independently supported.

Fixture weight is based on single fixture only.

The above data is based on 1200mm hanger wire spacing, board weight of 4.8kg/m², maximum deflection of tees not to exceed 1/360 of the span and suspension system installed in accordance with AS/NZ 2785 2020.

For Point Loads suspended directly from grid, please contact your Armstrong Ceilings Technical Representative for load evaluations and solutions.

For ISO Class 3 Clean Room and magnetic imaging environments Armstrong Clean Room Aluminium grid must be used.

Specifications

Connection Strength (SEISMIC)

Prelude 24mm CE Main Bar and Cross Runners: Compression / Tension capacity > 100kgs.

Scope

The contractor to furnish all materials, labour and equipment for the erection of the exposed ceiling system where so indicated on the architectural drawings.

Material

The two-way exposed hot dipped galvanised steel ceiling suspension system shall be Armstrong PeakForm Prelude 24mm CE Grid with gasket applied to flanges. All materials supplied by Armstrong meet the requirements of Australian Standard AS/NZ 2785 2020 "Suspended Ceilings Design and Installation".

Perimeter Detail

Armstrong CE Wall Angles should be fixed to wall at 450mm centres. Exposed ceiling grid members intersecting with the Wall Angle must be fixed with a BERC 2 Clip to 'noggings or angles as stated in project specific Armstrong Seismic design report'.

Installation and Loading Parameters

- Main Bars shall be installed at 1200mm centres and suspended by 5mm galvanised rod or 2.5mm wire and Suspension Clips
- 1200mm long Cross Runner shall be installed at 600mm spacing and positively locked into the Main Bars
- Suspension points spaced at 1200mm along Main Bars

***Note:** Additional independent support of heavy fixtures should be considered for safety purposes.

Contact us

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