

CEILING SYSTEMS
MODULAR

210 series

CLIP-IN

Clip-in type ceiling designed for internal application. Clipped in to a concealed suspension system. Fully demountable with downward accessibility / hinge down accessibility using panel removal access key tool. Offered in a wide range of sizes, colors & finishes.

FEATURES

MATERIAL

Aluminum Alloy as per EN AW 3000 or 5000 series.

Zinc Plated Galvanized Steel G90 grade.

THICKNESS

Aluminum: 0.5mm to 0.8mm.

Galvanized Steel: 0.45mm to 0.7mm

+ Custom thickness are available upon request

SURFACE FINISH

Plain
Perforated

COATING

Polyester Coating: (5μ (Back) + 20μ (Face))

Polyester Powder Coating: (70μ -80μ)


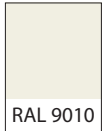
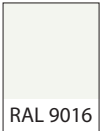

+ High Performance Coatings like PESDF, PVDF and POLYAMIDE are available upon request.

INSULATION

Acoustic Black Fleece is non-flammable and meets the standard DIN 4102 / B1. Classification A1 according to EN 13501-1.

Rockwool slabs conforming to ASTM C612 and equivalent BS 3958-5 are provided for acoustic insulation.

COLORS

			
RAL 9003	RAL 9010	RAL 9016	RAL 9006

SPECIAL FINISHES

			
Red Oak	Natural	Mirror	Brush

- + See www.rammetal.com for additional colors & special finishes available
- + Special finishes can be provided in lamination, sublimation or coil coating process.

SIZES (mm)


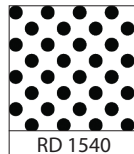
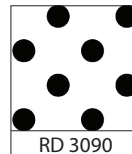
	Panel Joint Details			RAM 211	RAM 212
	Square	5 mm Beveled	3mm Beveled		
300 X 300	•	•		•	
300 X 600	•	•		•	
300 X 1200	•	•		•	
600 X 600	•	•	•	•	•
600 X 1200	•	•		•	•
600 X 1800	•			•	•
1200 X 1200	•			•	•

*RAM 211 –With tool key access

*RAM 212 –With hinge down access

+ Custom Sizes available upon request

PERFORATION PATTERNS

		
RD 1850	RD 1540	RD 3090

- + See www.rammetal.com for all available pattern options

DATA / PERFORMANCE



ACOUSTICS

Tested as per BS EN ISO 354: 2003 for sound absorption, noise reduction and sound attenuation.

NRC achieved with Acoustic Black fleece – NRC 0.75

NRC achieved with Acoustic Black Fleece and Rockwool Insulation – NRC 1.00

Tested as per ASTM E1414-11a for Airborne Sound Attenuation as per ISO 10848-2.

CAC can achieved up to – 48 dB

Perforated & Sound Attenuation cover



ANTI BACTERIAL COATING

Tested as per JIS Z 2801: 2000, which inhibits the growth of bacteria on the applied surface.



LIGHT REFLECTANCE (LR)

Achieved by the metal ceiling is LR – 0.85-0.96 tested as per ASTM E 1477.



FIRE PERFORMANCE

Surface Spread of flame Class 1 tested as per BS 476: Part 7: 1997

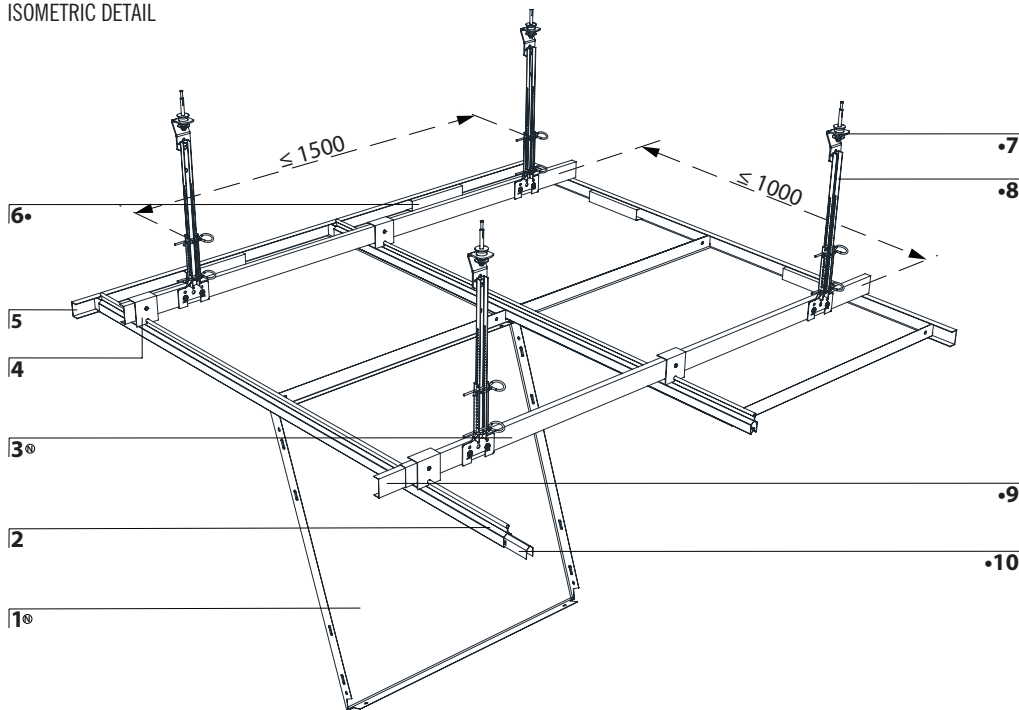
“Non-Combustible” Material tested as per BS 476: Part4: 1970

Flame Spread and Smoke Development Index tested as per ASTM E84 (Class 1 or A)

RAM 211 CLIP-IN

RAM 212 CLIP-IN/HINGEDOWN

ISOMETRIC DETAIL



COMPONENTS

- 1 Panel[®]
- 2 Narrow Carrier
- 3 Stabilizer
- 4 NC Bracket[®]
- 5 Wall Trim
- 6 Wedge[•]
- 7 Anti-Vibration Clip (RH)[•]
- 8 Rigid Hanging System[•]
- 9 ST Splice[•]
- 10 C Splice[•]
- 11 Spring Tee Carrier
- 12 SC Bracket[®]
- 13 Wire Clip[®]
- 14 U Bracket[•]
- 15 Threaded Rod[•]
- 16 Anti-Vibration Clip (TR)[•]
- 17 Adjustment Clip[•]
- 18 Coupling Clip[•]
- 19 Security Wire[•]



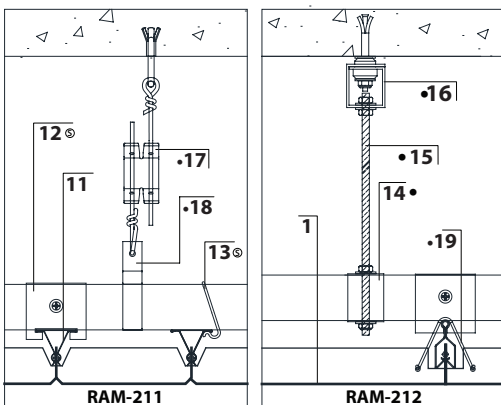
• Optional

® For Narrow Carrier

® For Spring Tee Carrier

Custom sizes can be offered

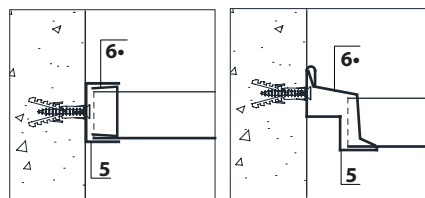
OPTIONAL HANGING SOLUTIONS



JOINT DETAIL



PERIMETER OPTIONS



ACCESS TOOL[•]

