

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)


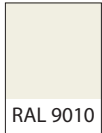
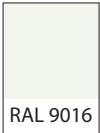

+ High Performance Coatings like PESDF, PVDF and POLYAMIDE are available upon request.

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.dorsoram.com for additional colors & special finishes available

+ Special finishes can be provided in lamination, sublimation or coil coating process.

SIZES (mm)


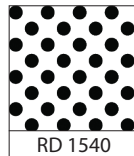
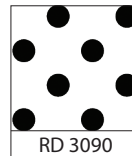
| | Panel Joint Details | | | RAM 211 | RAM 212 |
|-------------|---------------------|--------------|-------------|---------|---------|
| | Square | 5 mm Beveled | 3mm Beveled | | |
| 300 X 300 | • | • | | • | |
| 300 X 600 | • | • | | • | |
| 300 X 1200 | • | • | | • | |
| 600 X 600 | • | • | • | • | • |
| 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.dorsoram.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

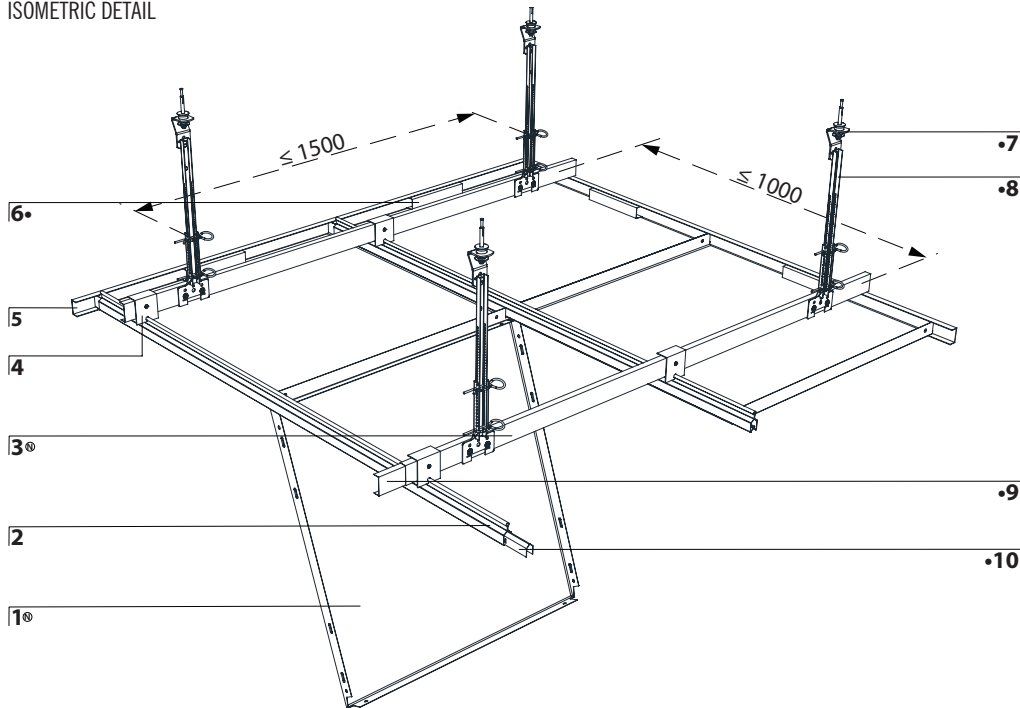
“Non-Combustible” Material tested as per BS 476: Part4: 1970

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[•]



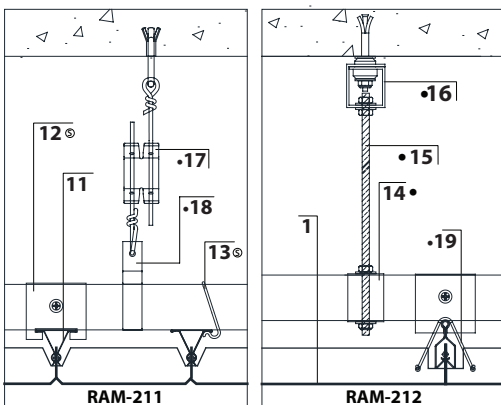
• Optional

® For Narrow Carrier

® For Spring Tee Carrier

Custom sizes can be offered

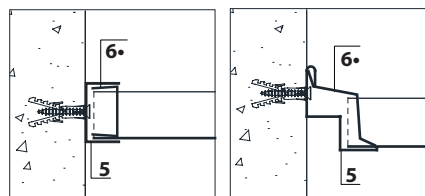
OPTIONAL HANGING SOLUTIONS



JOINT DETAIL



PERIMETER OPTIONS



ACCESS TOOL[•]

