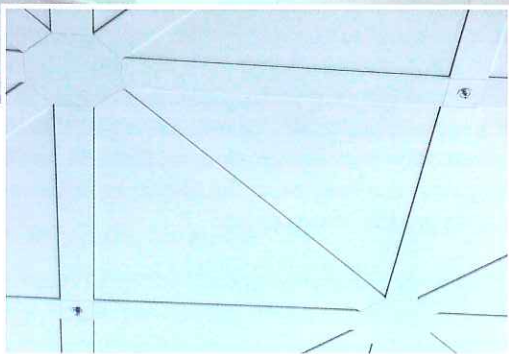


System 176 Tartan Grid

With Junction Box Ceiling



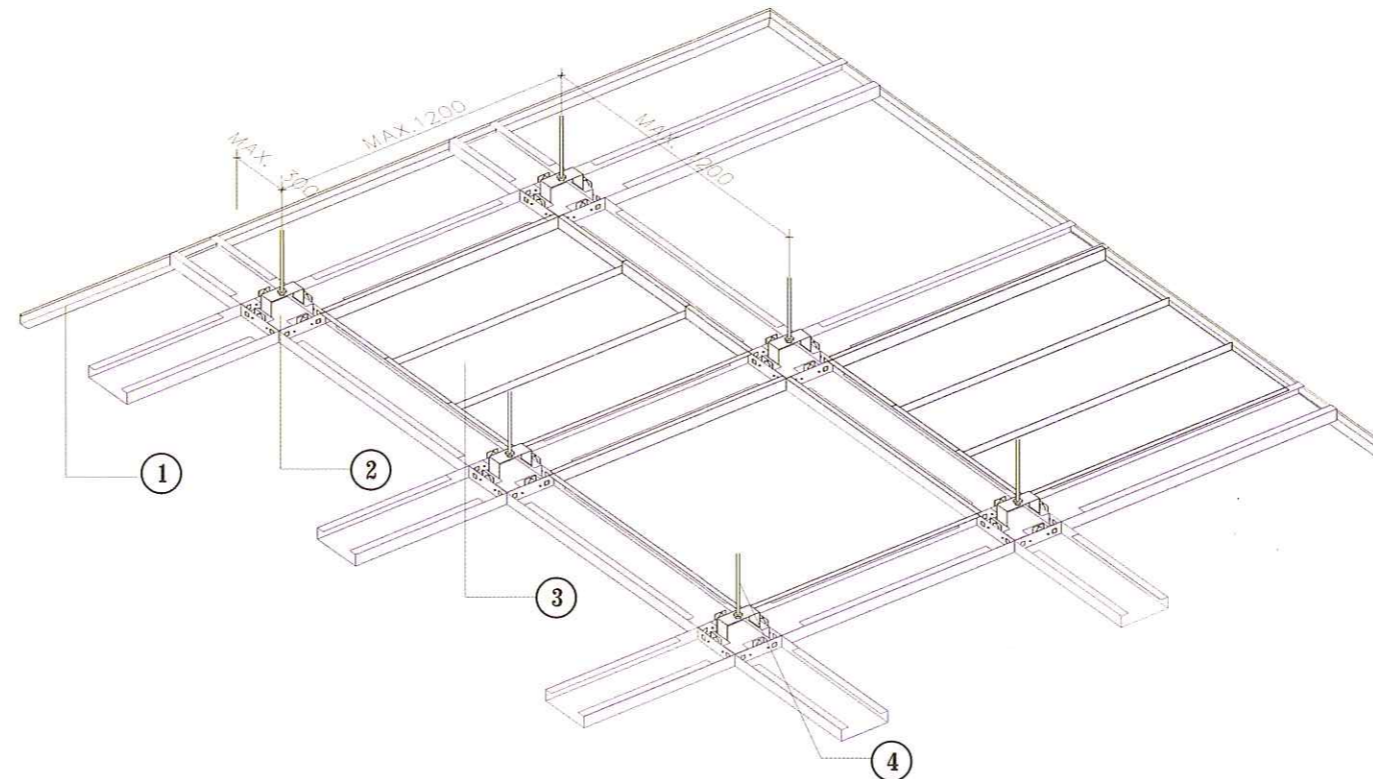
System 176

Tartan Grid Ceiling

Versatile and functional ceiling system with design characteristics that back-up by "Suckow & Fischer" German engineering.



System 176 - Tartan Grid with Junction Boxes Ceiling System



- ① L20 Alum. Wall Angle ② CZK 100 Center-junction Box ③ Alum. Panel ④ M6 Thread Rod ⑤ PB 100 K2 Cross C-grid Profile

System 176 – Tartan Grid with Junction Boxes Ceiling System

A remarkable ceiling system for your design creativity with distinctive aesthetic appearance. The Tartan Grid systems are dimensionally flexible to form different shapes in square, triangular or octagonal modular ceiling. It is particularly ideal to be installed in large ceiling area with high ceiling height at prominent area of the building. The system is rigid, stable and fast in installation. Promotional banners and wall partitions can be positioned underneath the grids for multi functional building areas. The ceiling panels can be fabricated in various sizes, square in large tile form, rectangular shape or triangular shape in plank form, depending on the ceiling layout design. Furthermore, the ceiling panel is fully demountable at any position without the use of special tools.

The Suspension System

The suspension system is one of “Suckow & Fischer” proprietary systems. The system consists of standard square Centre Junction Box, ‘CZK 100’, in 100x100mm visible dimensions made of galvanized steel in either 1.0 or 1.5mm thick with factory welded hanger bracket at the back of the junction box to provide accurate spacing and even distribution of loading. The cross connecting C-grid profile, ‘PB 100 K2’ C-shaped grid in 100mm width, is made of 1.25mm galvanized steel with powder coated finish on visible surface. The cross connecting C-grid profile is butt jointed to the centre junction box by interlocking the pre-punched cutouts at the centre junction box to the open slot at the C-grid profile, to form a rigid and stable square modular grid structure.

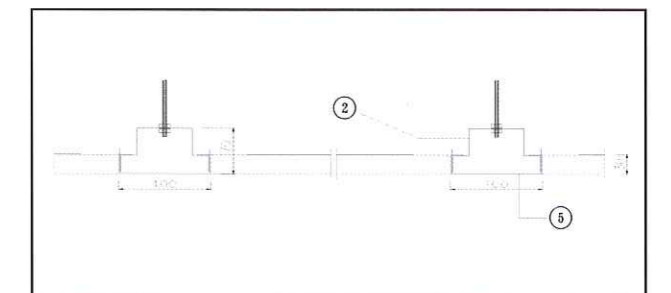


Besides the standard 100mm width centre junction box and cross connecting C-grid profile, other widths or materials are available to fulfill your design requirements. In addition, the junction boxes have the choices of forming hexagonal (6-sided) or octagonal (8-sided) shaped to form triangular patterns.

The centre junction boxes are suspended by threaded rods directly to the concrete soffit. Due to the rigidity of the system, wall partition tracks or promotional banners can be fixed directly onto the surface of the C-grid to achieve a functional and versatile ceiling design.

The Lay-in Panel

The high quality lay-in panel is fabricated with precision-engineered equipment to achieve flat and dimensionally stable surface. The ceiling panel is fabricated with outward flange, with square edges, to lay onto the C-grid profile. The ceiling panel and the C-grid profile are flushed at the same level to form a harmonious and flat ceiling surface. Ceiling panel can have a choice of 3mm black foam gasket at the panel up-stand to form a recessed shadow line and to create spacing for panel removal. Recommended grid modular sizes are: 1000x1000mm, 1200x1200mm, and 1500x1500mm. You have choices of various widths of C-grid in 50, 80, 100, 125 and 150mm. The panel sizes are flexible to fit into your choice of grid modules, please consult our “Suckow & Fischer” personnel for details.



Perforated Panel

For interior application, lay-in panels can be perforated for decorative purpose or for acoustic effect by adding non-woven acoustical black fleece or mineral wool acoustical pads. For more information, please refer to “**Suckow & Fischer**” Metal Ceiling Technical Brochure.

Wall & Perimeter Treatments

All C-grid profiles have special designed wall anchors (‘**ZS 80/100/125/150**’ with shadow line and ‘**ZW 80/100/125/150**’ without shadow line) to fix directly onto wall for proper loading distribution and grid alignment. Also, available in standard wall trims or custom made bulkheads, up-stands and window pelmets, all designed to incorporate with ceiling panels in matching colours.

Building Services

Lay-in Ceiling Panels or the C-grid profiles can be designed to incorporate other building service facilities such as down lighting fixtures, sprinkler heads, smoke & fire detectors, security and broadcasting systems. No Access Panel is required for easy access to plenum. Pre-opening holes fabricated at the factory are available as options.

Base Material & Finishes

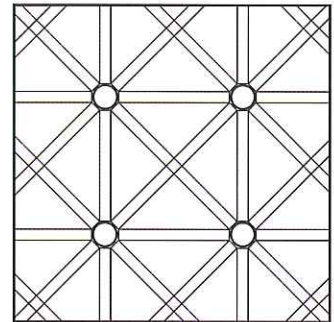
Base material of the ceiling panels can be aluminium or electrolytically galvanized steel in standard RAL 9010 or other RAL colours. Finish coating of the panels can have the choices of using polyester powder coating, coil coated in advanced polymer system or polyvinylidene di-fluoride (PVDF). For more information, please refer to “**Suckow & Fischer**” Metal ceiling Technical Brochure.

Access to Plenum

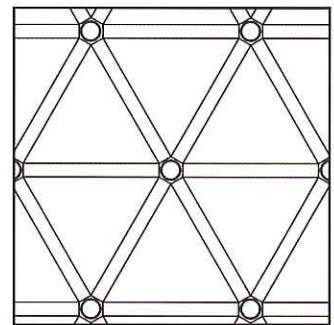
Lay-in ceiling panel can be dismantled and removed from the suspension grid by hands without using special tools. Gently push the panel end upward at one end and tilt the ceiling panel to remove from the C-grid profile.

Ceiling Pattern with Lighting Lay-out

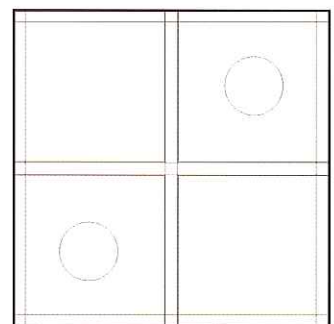
Example 1



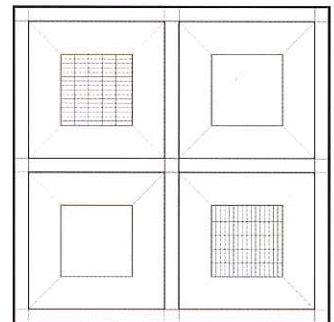
Example 2



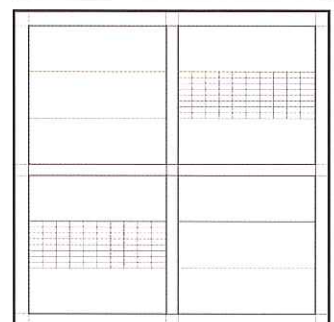
Example 3



Example 4



Example 5



- Functional, versatile with room for your creativity
- Modular form ceiling with exposed C-grid system
- Can form in square, rectangular and triangular patterns
- Flexible in dimensions to suit the building layout
- Easy to integrate with all lighting fixtures & other building services
- 100% accessibility and de-mountability without tools

Triangular Ceiling Panels with Tartan Grid System

For large and high ceiling level area, it will be ideal to create an aesthetic touch by choosing triangular ceiling panels with Tartan Grid System. **"Suckow & Fischer"** has designed and completed many prestigious building projects with our unique tartan grids and triangular metal panels.

The structure and suspension method of square, rectangular or triangular shape tartan grid ceilings are similar. The key difference is the design and construction of the junction boxes for triangular panels.

The junction box can be in hexagonal shape to suspend equilateral triangular shaped ceiling panels. The photos (A) & (B) shows such design with 150mm wide cross C-grid. The downlight can be fixed at the junction box to come up with symmetrical ceiling layout and even lighting distribution.

It can also be octagonal shape in conjunction with square junction box and lay with 45 triangular ceiling panel. Photo (C) shows the construction of the aforesaid system. The ceiling panels and the grids have different depth to further accent the grid line effect.

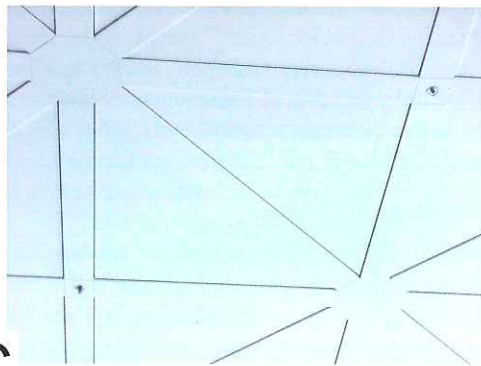
The C-grid can be as small as 50mm wide to match with smaller triangular panels as shown on photo (D) & (E). All the cross C-grid can be pre-punched with slots for accommodating linear air-diffusers to form a neat and tidy ceiling layout.



A



B



C



D



E

Brief Specification

Part 1 - INTRODUCTION

“Suckow & Fischer” is a German branded product. “Suckow & Fischer” System 176 – Tartan Grid with Junction Boxes Ceiling System is rigid, stable and fast in installation. It is particularly ideal to be installed in large ceiling area with high ceiling height. The ceiling panels is fully de-mountable at any position without the use of special tools.

Part 2 - PRODUCT

2.1 Suspension System

2.1.1 Tartan Grid with Centre Junction Boxes

The system consists of standard square Centre Junction Box, ‘CZK 100’ in 100x100mm visible dimensions made of galvanized steel in either 1.0mm or 1.5mm thick with factory welded hanger bracket at the back of the junction box. The cross connecting C-grid Profile, ‘PB 100 K2’ is made of 1.25mm galvanized steel with powder coated finish on visible surface. The cross connecting C-grid Profile is butt jointed to the centre junction boxes by interlocking the pre-punched cutouts at the centre junction box to the open slot.

Choices of width of the junction box and cross connecting C-grid profile are available in 125 and 150mm. Other widths are also available upon request.

2.1.2 Multi-Directional Centre Junction Boxes

The junction boxes have the choices of forming Hexagonal (6 sided) or Octagonal (8 sided) shape to form triangular patterns. The standard width of C-grid is 100mm in 1.25mm thick made of galvanized steel. Optional open ended C-grid Profile ‘PB 100 K1’ provides and forms different grid and triangular ceiling patten. Other widths and materials are available to fulfill your design requirements.

Choice of width of the junction box and cross connecting C-grid profile are available in 125 and 150mm. Other widths are also available upon request.

2.2 Ceiling Panels

The ceiling panels can be fabricated in various sizes such as square in large tile form, rectangular shape or triangular shape in plank form and thickness (from 0.7mm to 3.0mm) depending on the design requirements. Ceiling panels can have an optional choice of 3mm black foam gasket. The ceiling panel is fabricated with two outward flanges (or four outward flanges upon request), with square edges, to lay onto the C-grid Profile. Recommended grid modular sizes are : 1000x1000mm, 1200x1200mm and 1500x1500mm c/c (as per Manufacturer’s recommendation).

2.3 Base Material & Finishes

Base material of the ceiling panels can be aluminium or electrolytically galvanized steel coated in polyester powder finish in standard white RAL 9010 with minimum of 60 micron thick or other RAL colours. Optional coating finishes of polymer stove-enamelled or PVDF pre-paint or post-paint processes are available upon request.

PART 3 - WALL ANGLE & PERFORATED PATTERN

Please refer to “Suckow & Fischer” Metal Ceiling Technical Brochure.

Accessories

