



System 160

Single Directional C-grid Ceiling

A single directional ceiling grid system that lasts for years. The system is functional and dimensionally flexible engineered by "Suckow & Fischer" Germany.



System 160

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Brief Specification

Part 1 - INTRODUCTION

"Suckow & Fischer" is a German branded product. "Suckow & Fischer" System 160 – Single Directional C-Grid Ceiling System is rigid, stable and dimensionally flexible. It is widely used for interior application. The ceiling panel is fully de-mountable at any position without the use of special tools.

Part 2 - PRODUCT

2.1 Suspension System

2.1.1 Primary Structural Profile

The Primary Structural Profile, 'AS 20' Primary Angle Runner is made of galvanized steel in 30x30mm and 2.0mm thick, 4M length per piece with 6.5mm diameter hole at 12.5mm c/c. The primary structure is suspended with **GMS M6** threaded rods at a maximum distance of 1200mm c/c (as per Manufacturer's recommendation).

2.1.2 Secondary C-Grid Profile

The Secondary C-grid Profile, 'PB 80/100/125/150' C-shaped grid in 80, 100, 125 and 150mm respectively, is made of 1.25mm galvanized steel with powder coated finish on visible surface. The C-grid profile is fixed to primary angle runner by means of hanger brackets 'ZA 80/100/125/100' with **M6** bolts and nuts. This primary structure profile is suspended with **GMS M6** threaded rods directly to the concrete soffit. The C-grid profile span is based on the length of the ceiling panel.

2.2 Ceiling Panels

The ceiling panels can be fabricated in various sizes and thickness (from 0.7mm to 3.0mm) depending on the design requirements with an optional choice of 3mm black foam gasket between panels. The ceiling panel is fabricated with outward flanges, with square edges, to lay onto the C-grid Profile. Recommended ceiling panel sizes are : 300x1200mm, 400x1200mm, 600x1200mm and 1200x1200mm c/c (as per Manufacturer's recommendation).

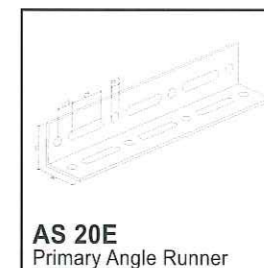
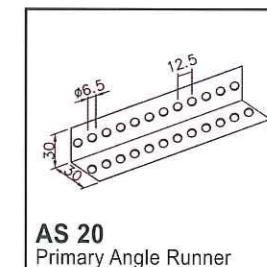
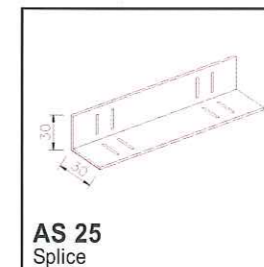
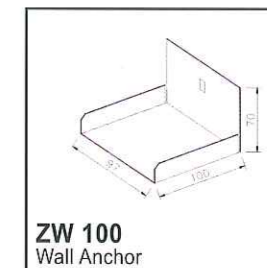
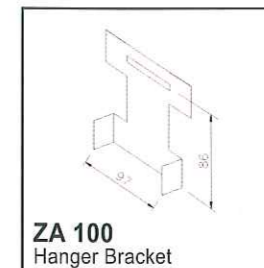
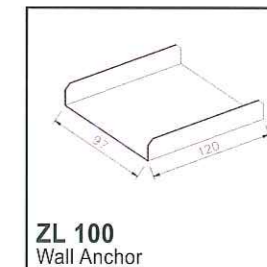
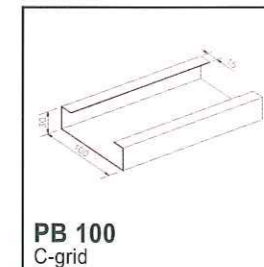
2.3 Base Material & Finishes

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





System 160 – Single Directional C-grid Ceiling System

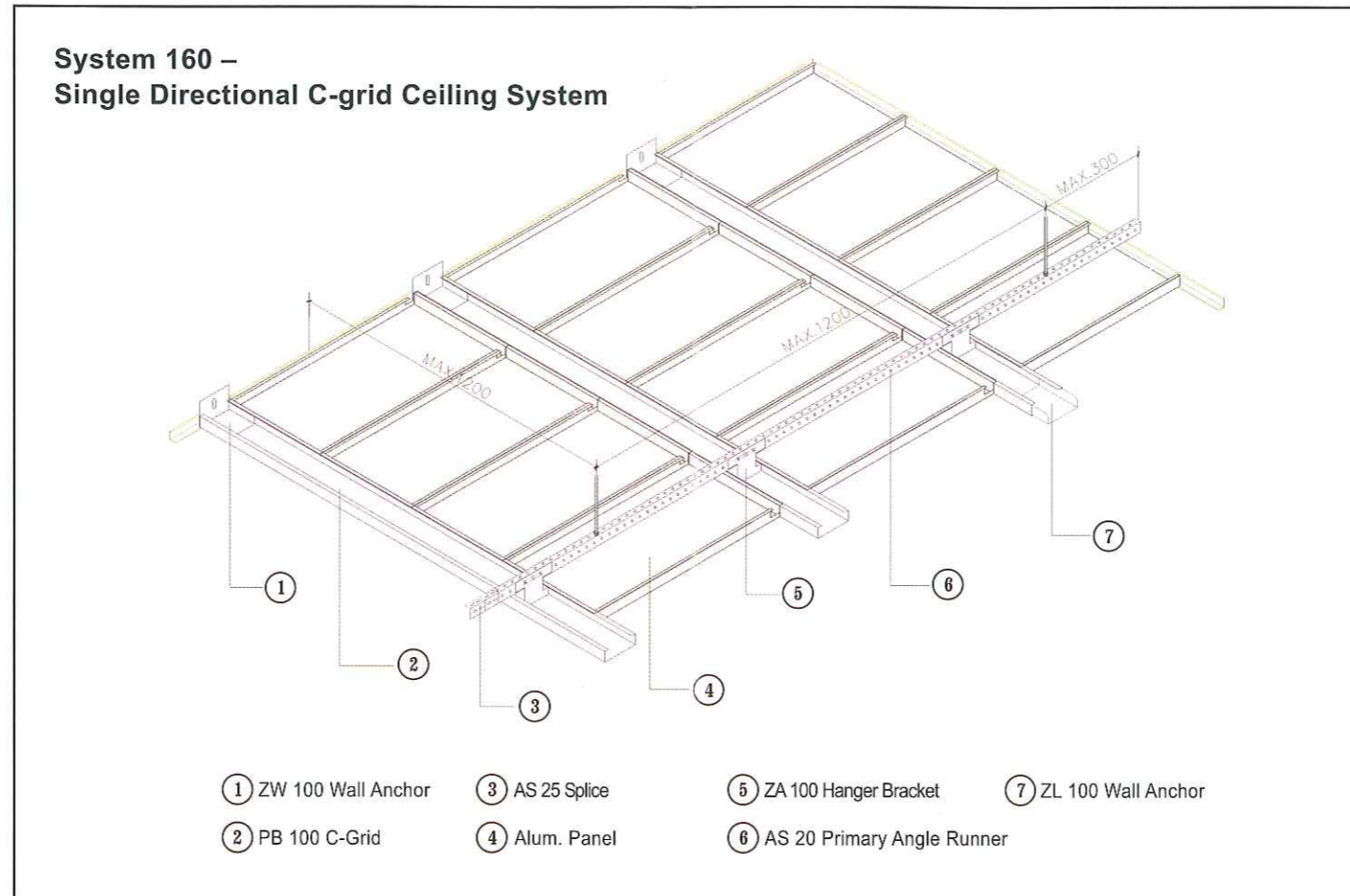
Single Directional C-grid ceiling system is one of the Lay-in suspended ceiling systems being widely used for interior application. The system is rigid, stable and dimensionally flexible. It is particularly designed to accommodate full height wall partitions for exhibition halls or commercial buildings. The ceiling panels can be fabricated in various sizes, square in tile form or rectangular shape in plank form, depending on the ceiling layout design. Furthermore, the ceiling panel is fully de-mountable 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 primary structural profile, ‘AS 20’ primary angle runner, in 30x30mm made of galvanized steel in 2.0mm thick with both flanges pierced to provide accurate spacing and even distribution of loading. The secondary C-grid profile, ‘PB 80/100/125/150’ C-shaped grid in 80, 100, 125 and 150mm respectively, is made of 1.25mm galvanized steel with powder coated finish on visible surface. The C-grid profile is fixed to primary angle runner by means of hanger brackets, ‘ZA 80/100/125/150’ with M6 bolts & nuts. The primary structure is suspended with 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 panel sizes are: 300x1200mm, 400x1200mm, 600x1200mm and 1200x1200mm. Other panels sizes are available upon request, please consult our “Suckow & Fischer” personnel for details.

Perforated Panel

For interior application, hook-on 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

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

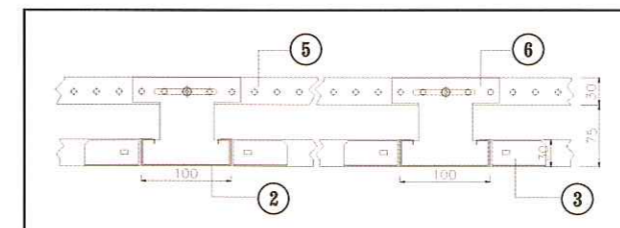
Lay-in Ceiling Panels or the C-grid profiles can be designed to incorporate other building service facilities such as down lighting fixtures, sprinkler heads, smoke & fire detectors, security and broadcasting systems. No Access Panel is required for easy access to plenum. Pre-opening holes fabricated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



Advantages of System 160

- Functional, versatile and durable ceiling system
- Rigid exposed C-grid system in single direction
- Can accommodate wall partitions and promotional banners
- Flexible in rectangular or square shape of panel
- Easy to integrate with all lighting fixtures & other building services
- 100% accessibility and de-mountability without tools

