



## System 130

### Hook-on Ceiling Interior

A popular concealed ceiling system with uncluttered monolithic appearance, proprietary engineered by "Suckow & Fischer" Germany.



# System 130

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### Brief Specification

#### Part 1 - INTRODUCTION

"Suckow & Fischer" is a German branded product. "Suckow & Fischer" System 130 - Hook-On Interior System is rigid, stable and dimensionally flexible. It is widely used for interior application. 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 Primary Structural Profile

The Primary Structural Profile, 'AS 20' Primary Angle Runner is made of galvanized steel coated in 30x30mm and 2mm thick, 4M length per piece with 6.5mm diameter hole at 12.5mm c/c. The primary structure is suspended by means of M6 threaded rods directly fixed to concrete soffit, and at a maximum distance of 1200mm c/c (as per Manufacturer's recommendation).

###### 2.1.2 Secondary Structural Profile

The Secondary Structural Profile, 'AS 10' Hook on Profile is made of galvanized steel in 19x50mm and 1.25mm thick, 4M length per piece. It is fixed to the Primary Structure Profile by M6 bolt and nut in the span between 600 to 1200mm c/c, according to the panel width to support the ceiling panels (as per Manufacturer's recommendation).

##### 2.2 Ceiling Panels

The ceiling panels can be fabricated in various sizes and thickness (from 0.8mm to 2.0mm) depending on the design requirements with an optional choice of 3mm black foam gasket between panels. The panel is fabricated with double-bent hook and outward flanges with square edges, to hook onto the 'AS 10' Hook-on Profile. Recommended panel sizes are : 600x600mm, 600x1200mm, 300x1200mm, 400x1200mm or 1200x1200mm, c/c. Other panel sizes are also available upon request.

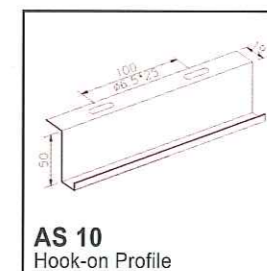
##### 2.3 Base Material & Finishes

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

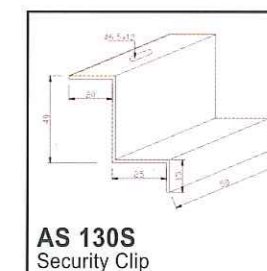
#### PART 3 - WALL ANGLE & PERFORATED PATTERN

Please refer to "Suckow & Fischer" Metal Ceiling Technical Brochure.

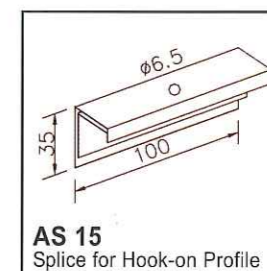
### Accessories



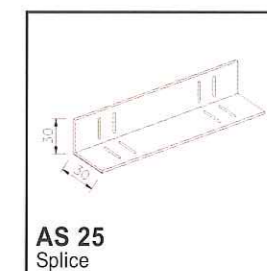
AS 10  
Hook-on Profile



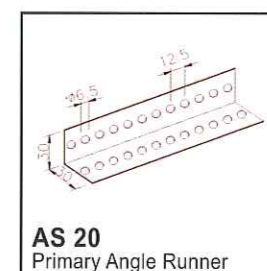
AS 130S  
Security Clip



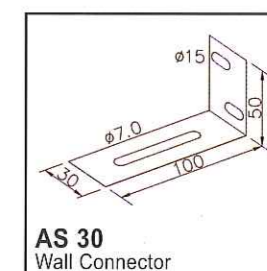
AS 15  
Splice for Hook-on Profile



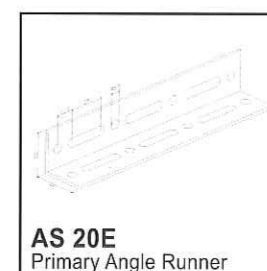
AS 25  
Splice



AS 20  
Primary Angle Runner



AS 30  
Wall Connector



AS 20E  
Primary Angle Runner



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### System 130 – Hook-on Ceiling Interior System

Hook-on ceiling system is one of the concealed grid suspended ceiling systems being widely used for interior application. The system is rigid, stable and dimensionally flexible. 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

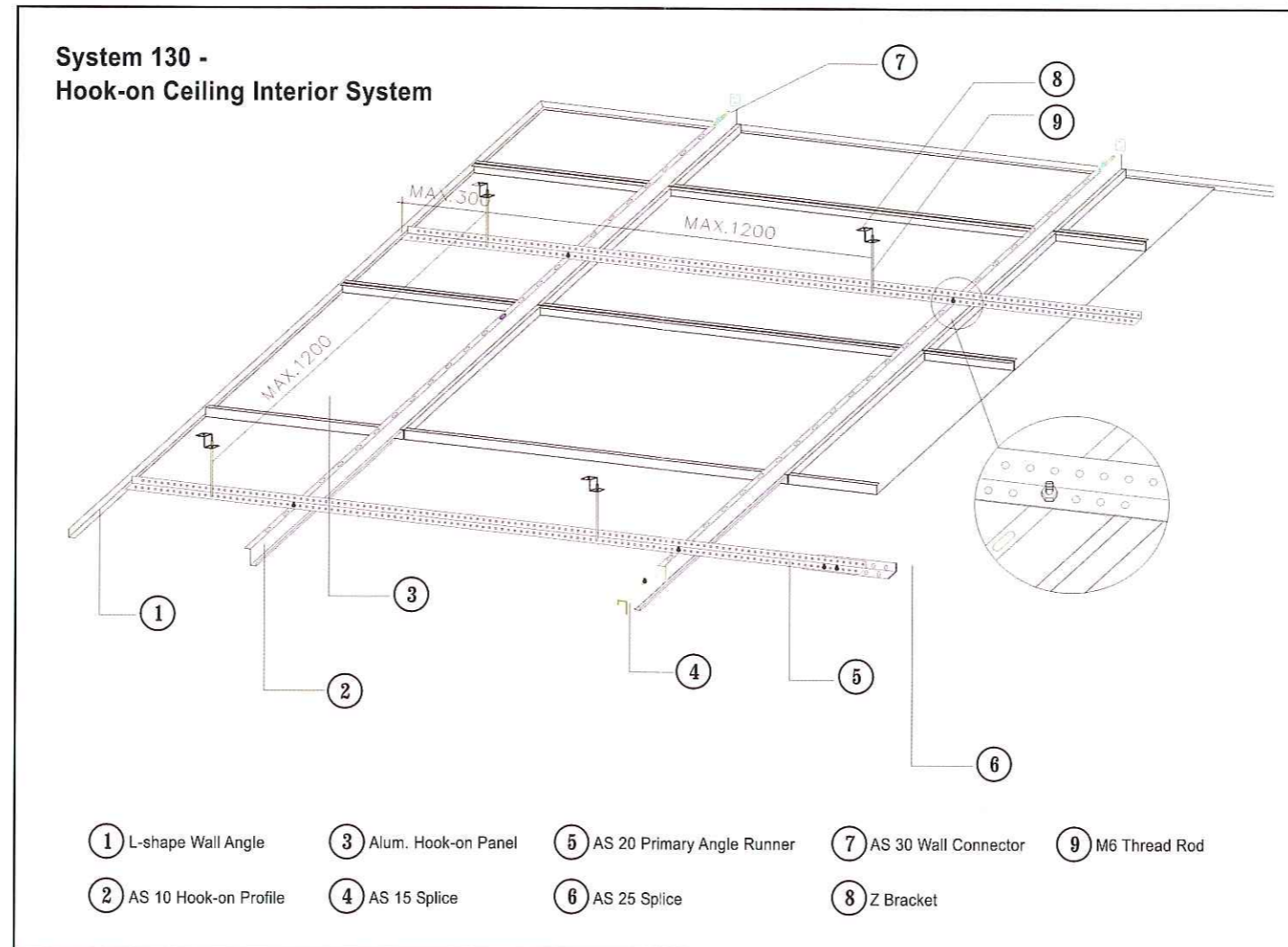
The suspension system is one of “Suckow & Fischer” proprietary systems. The system consists of primary structural profile, ‘AS 20’ primary angle runner, in 30x30mm made of galvanized steel in 2.0mm thick with both flanges pierced to provide accurate spacing and even distribution of loading. The secondary structural profile, ‘AS 10’ Z-shaped Hook-on Profile, is made of 1.25mm galvanized steel with pierced slots at the top which is fixed to primary angle runner with M6 bolts & nuts. The primary structure is suspended with threaded rods directly to the concrete soffit.

#### The Hook-on Panel

The high quality hook-on panel is fabricated with precision-engineered equipment to achieve flat and dimensionally stable surface. The ceiling panel is fabricated with double-bent hook and outward flange, with square edges, to hook onto the ‘AS 10’ Hook-on Profile. The ceiling panel end shall be overlapped to adjacent panel end to form a harmonious 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: 600x600mm, 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

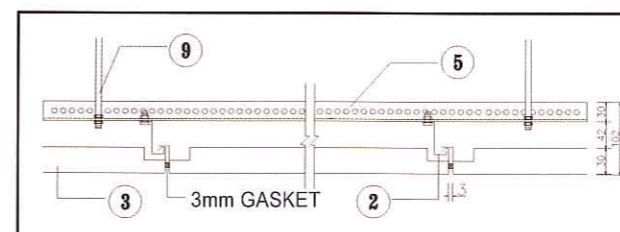
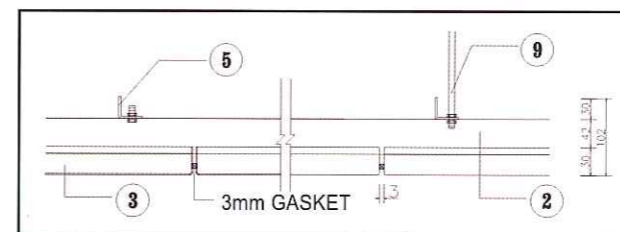
Hook-on Ceiling Panels can be designed to incorporate other building service facilities such as down lighting fixtures, sprinkler heads, smoke & fire detectors, security and broadcasting systems. No Access Panel is required for easy access to plenum. Pre-opening holes fabricated at the factory are available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

Hook-on ceiling panel can be dismantled and removed from the suspension grid by hands without using special tools. Gently push the panel end upward with an outward flange to make room for lifting the adjacent ceiling panel from the hook-on profile; tilt the ceiling panel to remove from the hook-on profile.



### Advantages of System 130

- Concealed suspension grid system
- Uncluttered monolithic visual appearance
- Flexible in rectangular or square shape
- Easy to integrate with all lighting fixtures & other building services
- 100% accessibility and de-mountability without tools
- Low maintenance with durable product life

#### Supplementary Information

Components Usage for 100 Sqm consumption per Sqm (e.g. 10m x 10m)	600x600mm Tile (Qty. per Sqm.)	600x1200mm Tile (Qty. per Sqm.)	1200x1200mm Tile (Qty. per Sqm.)
AS 20 Primary Runner	0.83LM	0.83LM	0.83LM
As 10 Hook-on Section	1.67LM	0.83LM	0.83LM
AS 15 Splice for Hook-on Profile	0.42pc	0.21pc	0.21pc
As 25 Splice	0.21pc	0.21pc	0.21pc

#### Hook-on Ceiling

Material Selection		Approximate Kg weight per Sqm	
600x600mm Tile	600x1200mm Panel	600x600	600x1200
0.8mm Alum	1.0mm Alum	2.69	3.21
1.0mm Alum	1.5mm Alum	3.37	4.82
0.5mm Steel	0.6mm Steel	5.09	5.75
0.6mm Steel	0.7mm Steel	6.11	6.71