

2022

# REALSTEEL CEILING PRODUCTS CATALOG

Q3 2022 |

## Metal Ceiling System



**REALSTEEL**  
ENTERPRISES

## Introduction

RealSteel metal ceilings create quality products with high end finishes that harmonize along with the design environment to seamlessly give it an opulent finish.

Our metal ceilings are manufactured with pre-painted galvanized iron or strong lightweight pre-painted aluminum. Sourcing of the finest raw materials from our trusted international suppliers ensures rust free performance along with resistance to fire and moisture. RealSteel ceiling tiles is the prime selection when it comes to quick delivery and ease of installation. The ceiling have been designed for economical and simple installations that are made on standard exposed systems.

Each tile system is formed with a specific grid system in order for it to integrate seamlessly. RealSteel metal ceiling systems offer a fully combined system that includes ceiling tiles combined with a grid suspension system that covers every aspect of the ceiling requirement need.

## Lay-in Standard

### System Description

Lay-in tiles are designed and coupled with main Tee and Cross Tee to achieve a gridded system, which helps give quicker entry to hidden access doors and other maintenance requirements. Both normal and beveled corner options available with perforated and non-perforated options.

#### Lay-In

- Easily lift up without special tools to access doors.
- Easily replaceable.
- Quick installation as it interlocks to grid system seamlessly.
- Reduced cost and damage during access and maintenance.
- Easy on sight modifications for provisions for lights, firefighting equipment and grills.
- Pre-painted finish therefore easily washable.

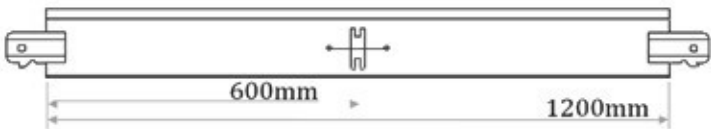


Reference	Dimensions (mm)		Thickness (mm)	Dimensions (inch)		Thickness (Gauge)	Material
	A	B		A	B		
<b>FLA 6</b>	600	600	0.5 to 1.2	23 5/8	23 5/8	25 to 18	Aluminum
<b>FLA 12</b>	600	1200	0.5 to 1.2	23 5/8	47 1/4	25 to 18	Aluminum
<b>FLAP 6</b>	600	600	0.5, 0.6, 0.7	23 5/8	23 5/8	25, 23, 22	Aluminum Perforated
<b>FLAP 12</b>	600	1200	0.5, 0.6, 0.7	23 5/8	47 1/4	25, 23, 22	Aluminum Perforated
<b>FLG 6</b>	600	600	0.45, 0.5	23 5/8	23 5/8	26, 25	Galvanized Iron
<b>FLG 12</b>	600	1200	0.45, 0.5	23 5/8	47 1/4	26, 25	Galvanized Iron

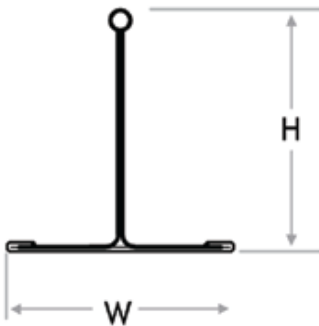
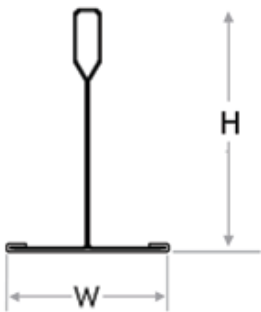


# Main components for Exposed / Lay-in Ceiling System

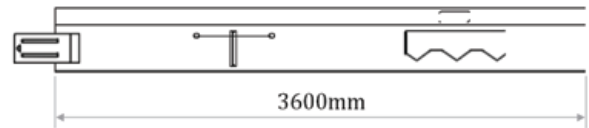
## Cross Tee



Reference	Size (mm)		Length (mm)	Size (inch)		Length (inch)	Material
	H	W		H	W		
CT6	25	24	600	0.984	0.944	23 5/8	Galvanized Steel
CT12	25	24	1200	0.984	0.944	47 1/4	Galvanized Steel

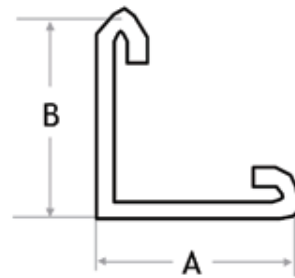


## Main Tee



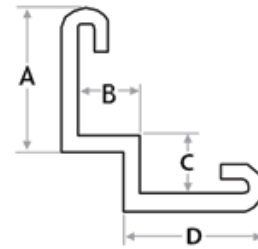
Reference	Size (mm)		Length (mm)	Size (inch)		Length (inch)	Material
	H	W		H	W		
<b>MT6</b>	88	15	600	3.464	0.59	23 5/8	Galvanized Steel
<b>MT12</b>	38	24	1200	1,496	0.944	47 1/4	Galvanized Steel

## L-Angle

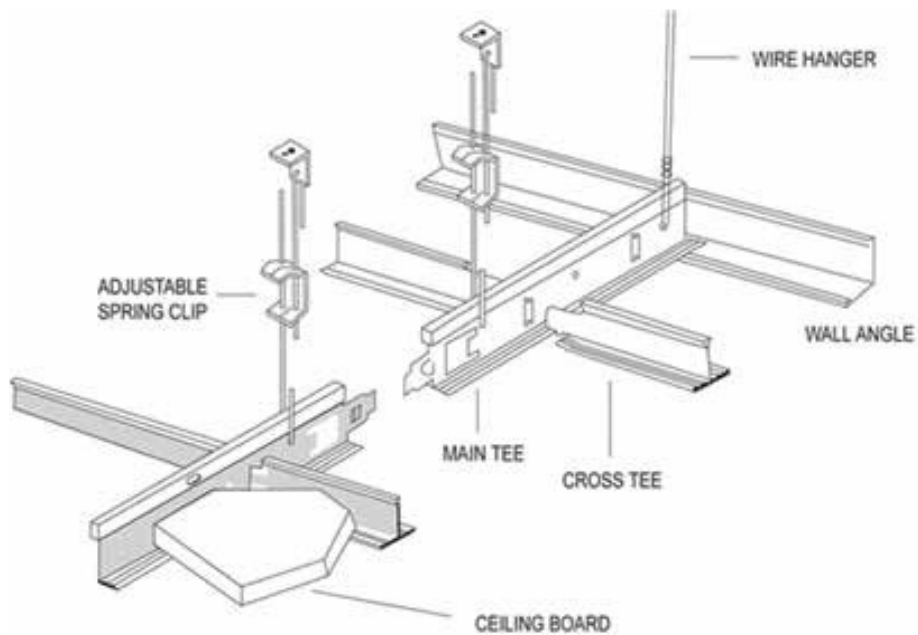


Reference	Size (mm)		Length (mm)	Size (inch)		Length (inch)	Material
	H	W		H	W		
<b>LA6</b>	20	20	600	0.797	0.787	23 5/8	Galvanized Steel
<b>LA12</b>	25	25	1200	0.984	0.984	47 1/4	Galvanized Steel

## W-Angle (Plain)



Reference	Size (mm)				Length (mm)	Size (inch)				Length (inch)	Material
	A	B	C	D		A	B	C	D		
<b>WA19</b>	19	9	9	19	3000	0.748	0.354	0.354	0.748	118.11	Galvanized Steel
<b>WA20</b>	20	19	19	20	3000	0.787	0.748	0.748	0.787	118.11	Galvanized Steel



## Color and Pattern

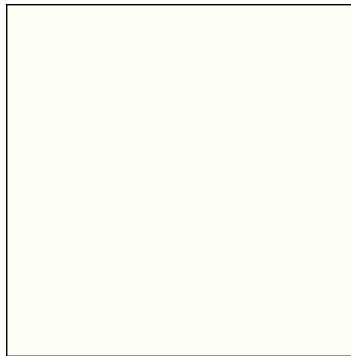
RealSteel metal ceiling tiles and grid systems are manufactured in RAL 9003.

## Color Specifications

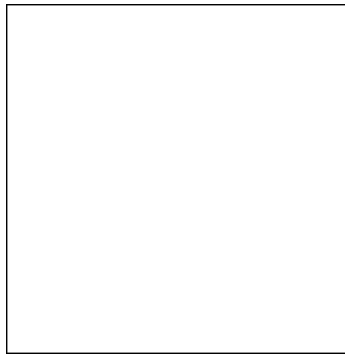
Standard color – RAL 9003

<b>RAL</b>	<b>9003</b>
<b>Color</b>	Signal White 12% Gloss
<b>Top Coating</b>	5 micron Primer + 20 Micron PE
<b>Top Color</b>	RAL 9003 Polyester
<b>Back Coating</b>	5-7 Micron

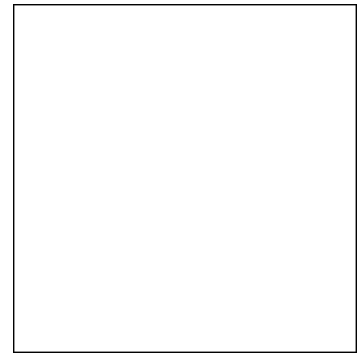
Standard colors available on request – RAL 9003, 9010, 9016



RAL 9010 Pure White

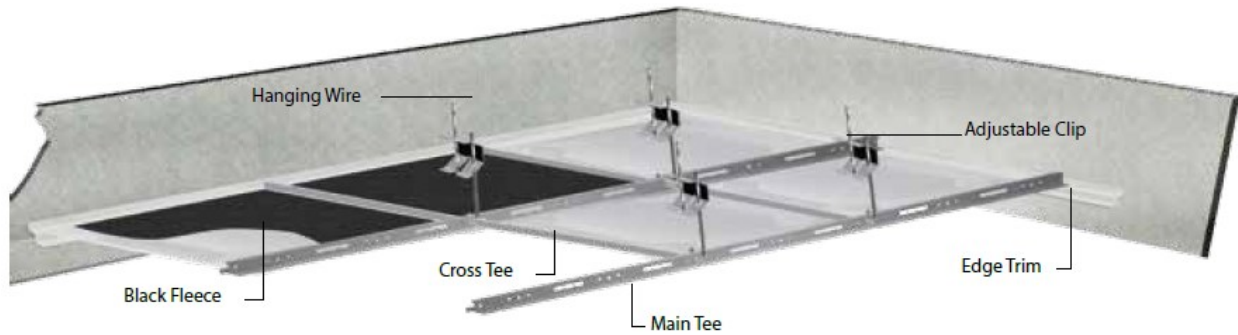


RAL 9016 Traffic White

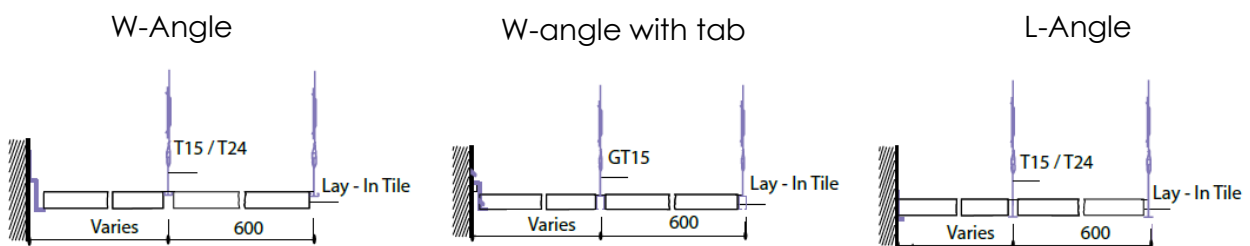
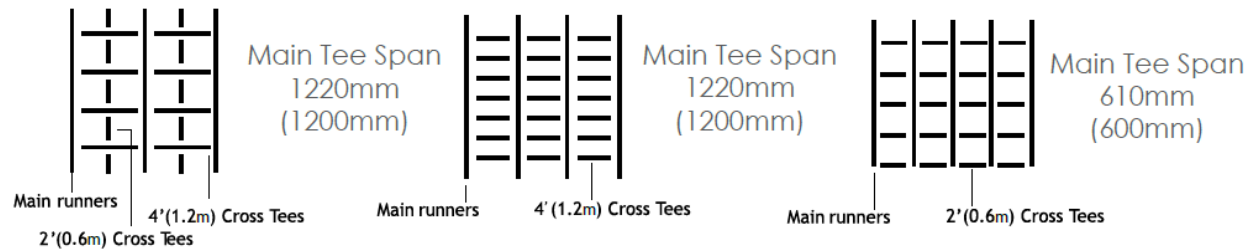


RAL 9003 Signal White

# Metal Ceiling System Installation Method



Types of combination



1. Level marking on wall using water level method or Laser method.
2. Fixing of Wall Angle with screws and nails.
3. Mark out & commence fixing of grid suspension system using Main Tee, Cross Tee's according to the approved layout to make 600 x 600mm (2 x 2 ft.) grid, Installation of Main Tee at every 1200mm (4 ft.) and Cross Tee at every 600mm (2 ft.).
4. Fixing of suspension system with 3mm / 4mm wired fixed to concrete with ceiling clips and cartridges and having adjustable clips to adjust the ceiling level.
5. Installation of Lay-In/Lay-On 600 x 600mm (2 x 2 ft.) tiles in a proper way taking into consideration the ceiling level and design pattern.
6. Cut apertures for lights and other services where required.



# General Maintenance Guide

## Field Cutting

RealSteel metal ceiling can be field cut into various shapes in order to offer a bit of personalization and customization wherein to incorporate lighting fixtures, ventilation grills and firefighting systems. It should be remembered that experienced craftsmen who have access to high quality and efficient tools should do such alternations. Extreme care must be exercised in the whole process to prevent any sort of damage that can be sustained by the surrounding.

## Cleaning

If you want to get the most out of RealSteel ceiling systems then maintenance is key. Dust can be easily wiped of using a cloth and other stains like grease can be removed using light cleaners. Heavy abrasive cleaners should be avoided.

## Storage and Transportation

All the ceiling components should be stored in a dry place and all the cartons must be handled with care in order to avoid any sort of damage.

## Accessibility

RealSteel tiles provide very easy accessibility, adding or removing any fixture is very easy and no special tool is required for this purpose.



# Technical Specifications:

## Raw Materials Standards:

### Aluminum

BS EN 573-3:2009, BS EN 485-2:2008  
ASTM B209M

### Galvanized Steel

BS EN 10346:2009 (formerly BS EN 10142:1991)  
Coating Type: Z120, Z180 & Z275  
ASTM A653/A653M

### Stainless Steel

BS EN 10088-2:2005 (formerly BS 1449:Part 2:1983)  
ASTM A240/A240M

### Preformed Wire Clip

Galvanized Steel Wire to BS EN 10244-2:2009  
ASTM A641/A641M

### Hanging Wire

Galvanized Steel Wire to BS EN 10244-2:2009  
ASTM A641/A641M

### Adjustable Spring Clip

Carbon Steel Strip to BS EN 10132-4:2000  
Zinc Plated to BS EN ISO 2081:2008  
Phosphated to BS 7371-9:1996

### Main Channel Bracket / Channel Clamp / Spring Tee Hanger / Spring Tee Connector / Ceiling Rail Connector / Main Tee L- Shape Connector & other G.I. Accessories

Galvanized Steel Strip to BS EN 10346:2009,  
ASTM A653/A653M

### Drywall Partitioning Systems & Dryline Ceiling Systems

BS EN 10162:2003, BS 5234-1:1992,  
BS 7364:1990, BS EN 14195:2005 ASTM C645

### Ceiling Suspension Systems (Tee Grid System)

ASTM C635-97

### Hot Dip Galvanizing After Fabrication (HDGAF)

BS EN ISO 1461:1999 (formerly BS 729)  
ASTM A123/A123M

### Powder Coating

BS 6497:1984

### Load Calculation:

ASTM C645 - 5.1 Standards



## Orders and enquiries:

**New Jersey - USA**

**Tel : +1 (551) 247-9998**

**Dubai - United Arab Emirates**

**Tel : +971 50 243 6932**

**Cairo - Egypt**

**Tel : +20 100 134 1333**

**Email: [sales@realsteelenterprises.com](mailto:sales@realsteelenterprises.com)**

**Website: [www.realsteelenterprises.com](http://www.realsteelenterprises.com)**

**REALSTEEL**  
ENTERPRISES

