



Force Steel Profiles FZC

فورس سٹیل پروفائلز ش.م.ع

**CEILING & PARTITION
SYSTEMS**

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About us

Force Steel Profiles FZC is a rapidly growing company with expertise in the production and distribution sector of gypsum/drywall ceiling system, partition system, T-Grid suspension system and aluminium ceiling tiles in the region. Founded in Riyadh in 2013, the production facilities have been established in Sharjah, UAE since 2014. FSP is a leading manufacturer of steel profiles. Our annual production of drywall systems and steel profiles is in capacity of 24000 tons per annum. We are focusing on our local market as well as export business in many sectors of global market. We are engaged in production of accessories for steel profiles to suit in applications. The vast production capacity has enabled Force Steel to provide solutions in diverse market sectors, which includes commercial building projects, residential units, hospitals, airports, hotels and educational facilities. The product line is especially beneficial for consultants, architects, building contractors and developers. We are an ISO 9001:2015 and ISO 14001: 2015 certified company. All our products are certified by SASO under the Saber Saleem System. Our policy is to provide highest quality products to our clients.

Production

Sharjah

Total Area: 4000 Square Meters

Production Capacity: 12,000 Metric Tons

Machineries: Hi-tech fully automated cold roll forming machines

Riyadh

Total Area: 3000 Square Meters

Production Capacity: 12,000 Metric Tons

Machineries: Hi-tech fully automated cold roll forming machines



Sales Support

We have specialized and well qualified team to deliver your orders. Delivery schedules are well-maintained and we keep sufficient stocks at all times to meet our demand in a timely manner. Our knowledgeable team will cater to client's needs and provide them with all the relevant information. We believe in building long-term business acquaintances, thus the interaction is always supportive, easy, transparent, retained and maintained.

Quality

Production Categories

- Drywall Partition System
- Drywall Ceiling System
- Exposed Grid Ceiling
- Concealed Grid Ceiling
- Specialized Profiles

In construction industry, we are committed in providing solutions as per client's expectations. We always focus on quality to deliver best requirements in the market. We believe that providing high quality productions ensures satisfied customers and builds stronger relationships.

We like to work hard to exceed the customer requirements and expectations, not only during business transactions but also post-client care. We don't aim to reach the benchmark, we aim to excel and exceed it.

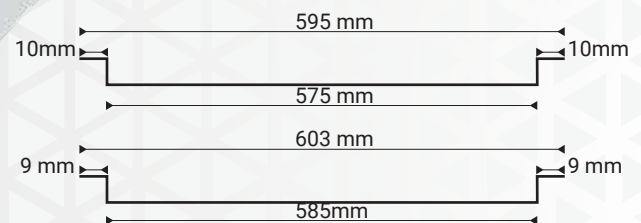


Outlook

Our future goal is to provide our products throughout Middle East, North, South, East and West Africa. Our main aim is to provide complete solution to the construction industry and to interiors designers. We have geared ourselves with the evolving trends in the steel profile market. Our products range is trusted for use in homes, offices, hospitals schools, universities, cinemas and retail spaces along with other large-scale projects such as commercial malls.

Force Steel Profiles is involved with the manufacturing of steel profiles from the best sources in order to satisfy the need and demands of our valuable clients. Force steel profiles are very sensitive towards the reliability, quality and durability of our products. Due to high steel profiles manufacturers, our clients in the industry recognize us as a leading manufacturer with highly competitive prices.

Aluminum Tile (Lay - In)



Technical Standard

EN 13964:2014 CLAUSE 4

DESCRIPTION	COLOR	LENGTH	SURFACE
Lay In	RAL 9016	595 X 595 X 0.6-0.8 MM 603 X 603 X 0.6-0.8 MM	Plain or Perforated 1.8mm

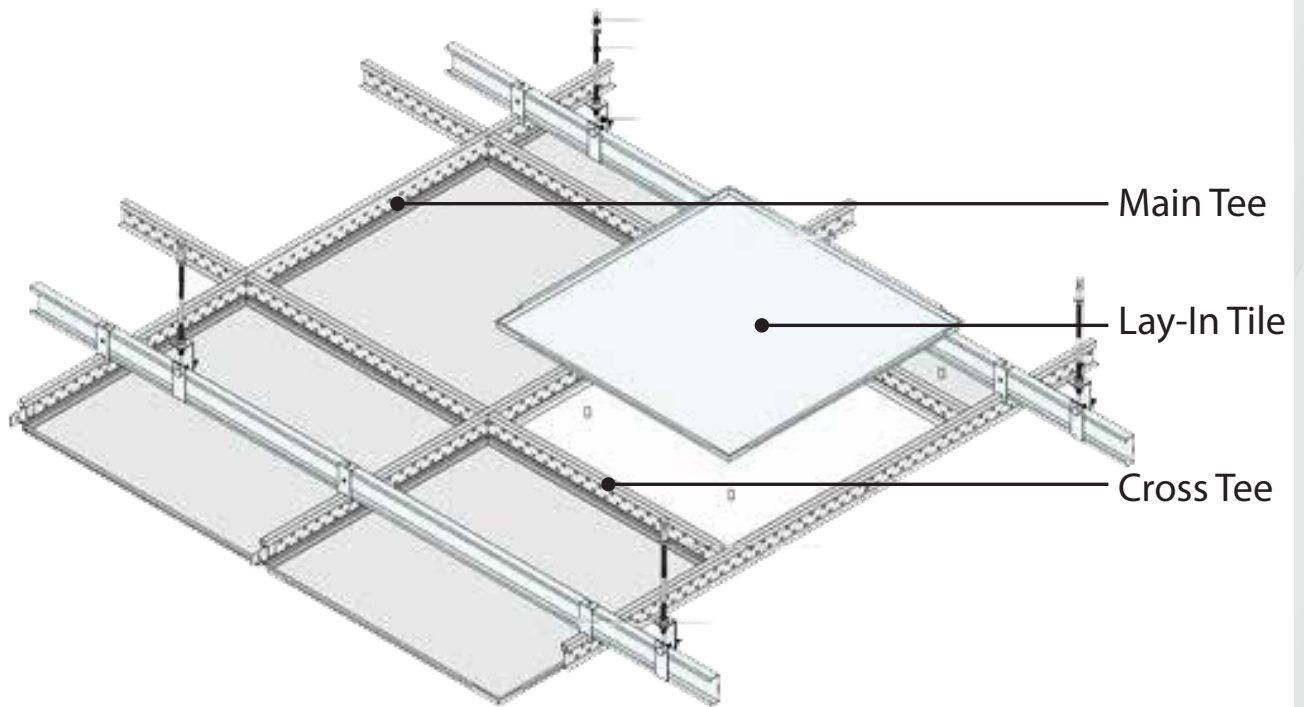
Lay-In Ceiling Tile system is very versatile and durable.

The lay-in tile allows installation, removal and maintenance without any damage to the system.

- FSP provides two compatible sizes in both plain and perforated options



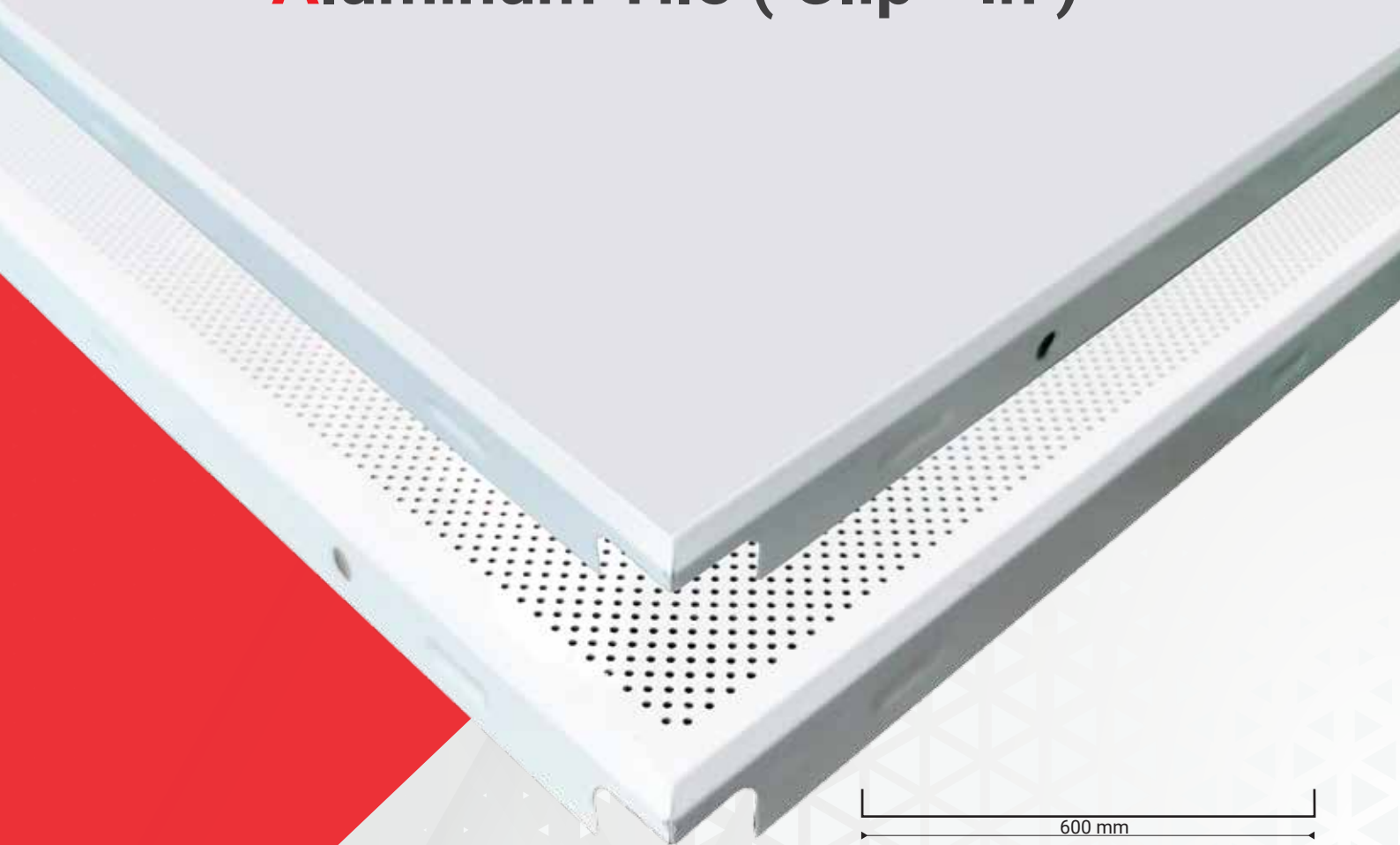
Lay - In Installation Design



The FSP lay-in system grid is composed primarily of Cross Tee and Main Tee intersecting at various points. Each set of parallel 1200mm has a 600mm Cross Tee connected to the mid-points of both. (Refer to Cross Tee and Main Tee for measurements).



Aluminum Tile (Clip - In)



Technical Standard

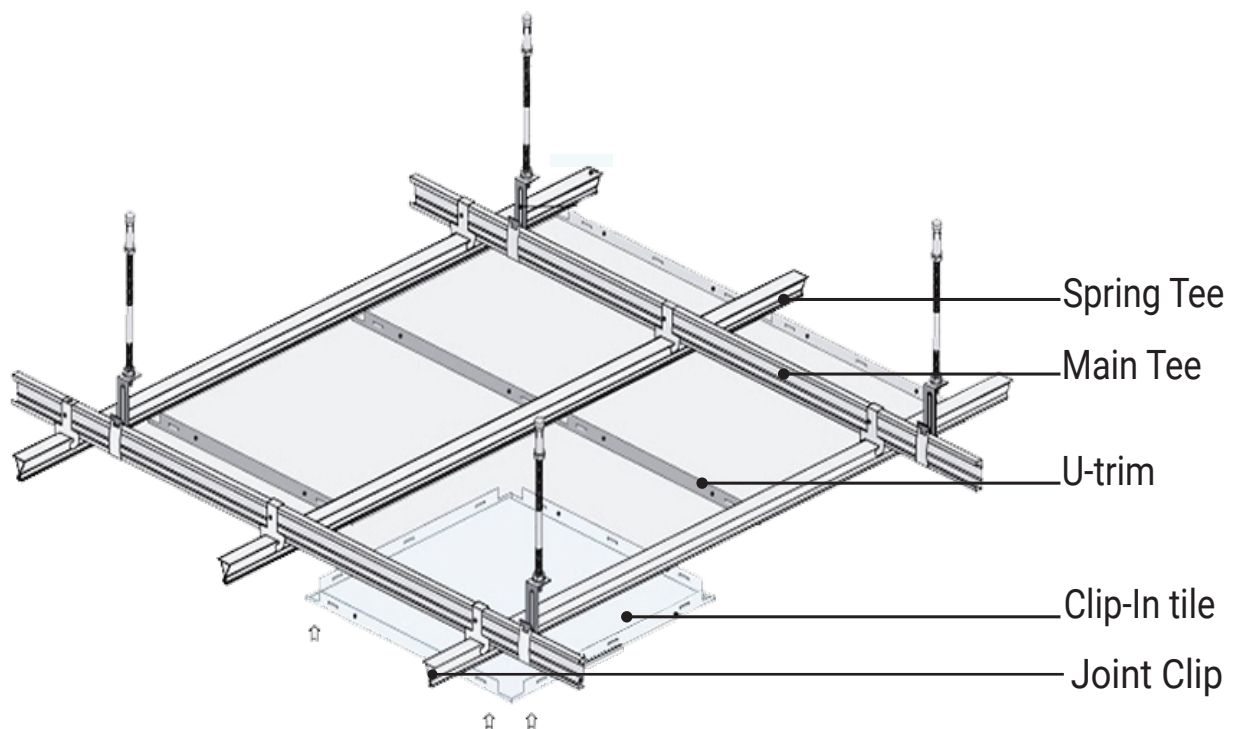
EN 13964:2014 CLAUSE 4

DESCRIPTION	COLOR	LENGTH	SURFACE
Clip In	RAL 9016	600 X 600 X 0.6 MM	Plain or Perforated 1.8mm

Clip-in ceiling tile is a modern method which allows very durable and stable installation. The grid is not visible in this system and it is fixed to and below a primary grid.

- FSP provides in both plain and perforated options



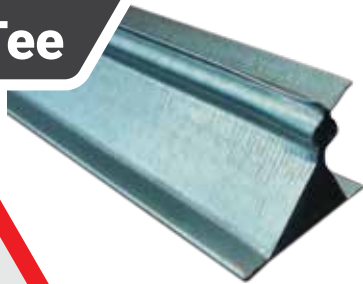


Clip-In grid components

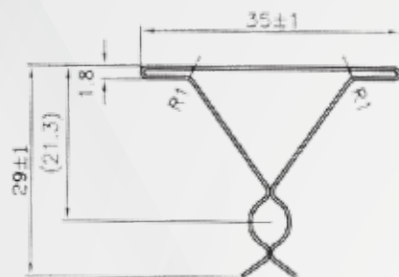
Tool	Function
Main Channel	Provides primary support and lateral restraint.
Spring tee	Provides support for Clip-in tile flanges, suspend below suspension channel.
U - Trim	Used to conceal the joints of two Clip-In tiles. It enhances the finished look.
Joint clip	Used to connect one end of the Spring Tee to another one, it is a connection tool.

Clip-In ceiling grid components

Spring Tee



The Spring Tee System is designed for use with metal pan clip-in tiles. The clip-in tile corner is inserted directly into the midst of the spring tee.

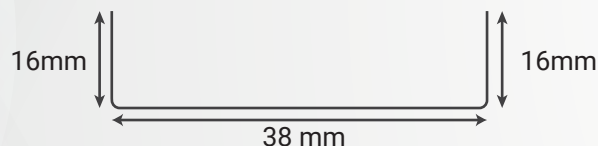


Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
0.45	35	4000 & 3000	200

U-Trim

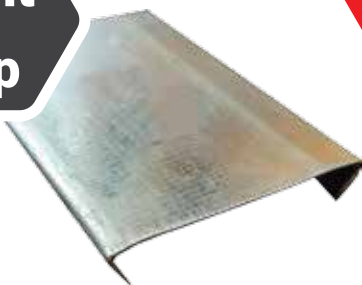


Ceiling Panel U-Trim is pre-painted in white and it is used to create the perfect professional finished edge on the new ceiling. This clever U-trim neatly slots on around the entire ceiling to create a stunning flawless look.

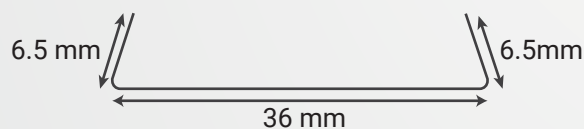


Thickness (mm)	Width (mm)	Length (mm)	Material
0.60	16x38x16	3000	Pre - Painted Aluminium alloy

Joint Clip



Joint clips are used for expansion of spring tee in clip in ceiling system.



Thickness (mm)	Width (mm)	Length (mm)	Material
0.40 & 0.45	6.5x36x6.5	60	Galvanized Iron

Aluminum Tile Detail (Lay - In & Clip - In)

Material

- Tiles are made from pre-painted aluminum
- Color: RAL 9016
- Thickness: 0.6 – 0.8mm
- For Perforated tile - Black fleece rolls

Application

Force Steel Profiles also offers unique systems providing the specifier unlimited design possibilities for applications ranging from banks, corporate offices, schools, airports and commercial buildings such as shopping malls.

Benefits

- Easy access for service maintenance
- Robust and easy to clean
- High sound absorption and sound attenuation
- Extensive range of perimeter options
- Environmentally friendly and recyclable
- Durable and washable polyester powder finish

Sound Absorption

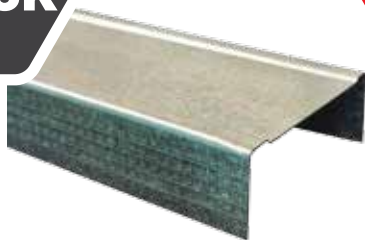
“Sound absorption” describes the reduction of noise within a room. Perforated ceiling tiles with an acoustic fleece overlay it absorb sound energy and serve to control acoustic reverberation time. Different combinations of perforated open areas and acoustic pad density / thickness provide different levels of sound absorption.

Acoustical Performance Details

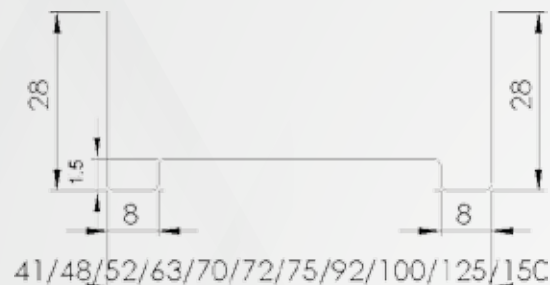
PANEL	INFILL	SOUND ABSORPTION		SOUND ATTENUATION
		NRC	QW	
Lay-In	Plain	N/A	N/A	35 - 40
	Acoustical Fleece	0.45-0.60	-	<20
Clip-In	Plain	N/A	N/A	35 - 40
	Acoustical Fleece	0.45-0.60	-	<20

DRY WALL PARTITION SYSTEM

Track



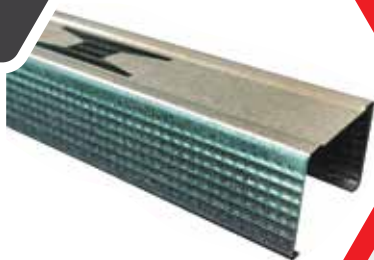
The Track allows vertical movement between the ceilings, keeping the load distributed with the stud.



Thickness (mm)	Width (mm)	Length (mm)	Flange(mm)	Package (pcs)
0.35, 0.40, 0.45	41,48,52,63,70,72,75,92,100,125,150	3000	28	250/pallet

* Other thickness available upon request (0.30mm - 1.00mm)

Stud



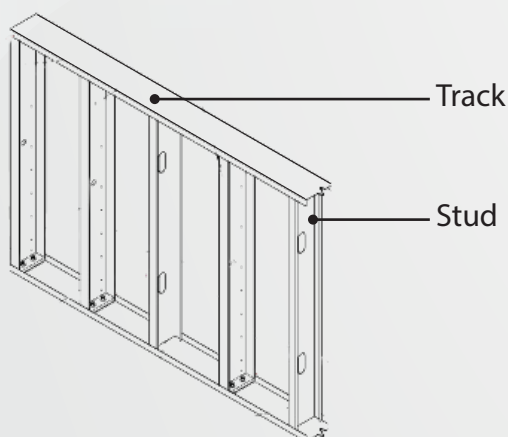
Studs are commonly used for partition as a vertical framing, keeping a friction between the parallel tracks on top and bottom.



Thickness (mm)	Width (mm)	Length (mm)	Flange(mm)	Package (pcs)
0.35, 0.40, 0.45	39,46,50,61,68,70,73,90,98,123,148	3000	34 & 36	250/pallet

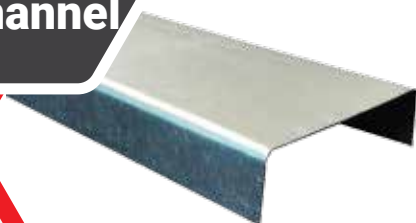
* Other thickness available upon request (0.30mm - 1.00mm)

INSTALLATION

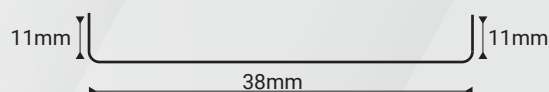


DRY WALL CEILING SYSTEM

Main Channel



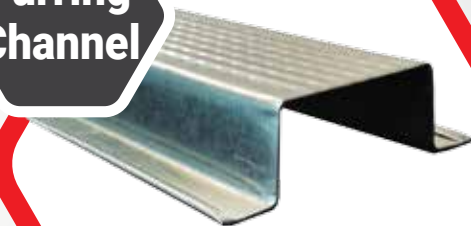
It is also known as Carrying Channel or C Channel and is used for ceiling framework. Main Channel is a prominent channel in a conventional metal framework and it is produced from cold roll formed steel. Main channel is the supporting component for the furring channel as it hangs from the roof with furring channel right beneath it. This structure is commonly used for the drywall grid.



Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
0.35, 0.40, 0.45, 0.60, 0.80	38x11x11	3000	500/pallet

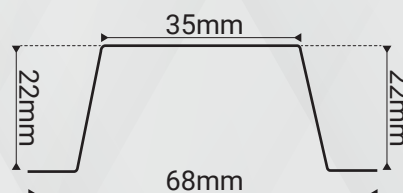
* Other thickness available upon request (0.30mm - 1.00mm)

Furring Channel



It is secondary to the Main Channel as it is fixed to it. Once this process is over, the gypsum board gets screwed to conceal and finish the ceiling.

FSP Furring Channel is a hat-shaped corrosion - resistant framing component used to fur out masonry walls and ceiling assemblies. In concrete wall applications, furring channel is installed vertically to the wall surface using concrete nails or power-driven fasteners.



Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
0.35, 0.40, 0.45, 0.60	12x22x35x22x12	3000	500/pallet

* Other thickness available upon request (0.30mm - 1.00mm)

DRY WALL CEILING SYSTEM

PERIMETER ANGLE



A perimeter component for ceiling framework and it is easily connected to the wall. It is a 90-degree Galvanized Iron (GI) angle used in the inner framework

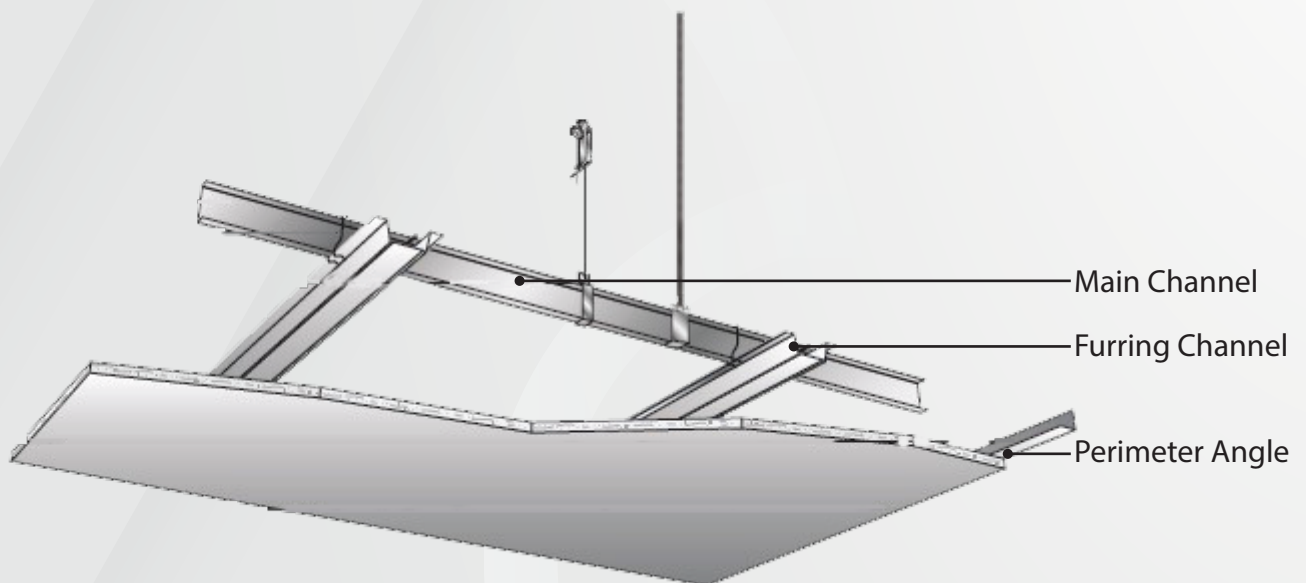


	Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
Flat	0.30,0.35,0.40,0.45 & 0.60	25x25	3000	1000/pallet
Folded	0.35, 0.40	22x22	3000	500/pallet

* Other thickness available upon request (0.30mm - 1.00mm)

INSTALLATION

The Furring channel and Main channel form the main grid for drywall ceiling, the perimeter angle is then placed on the edges to close the grid in a neat manner.

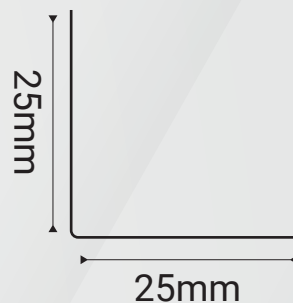


T-GRID SUSPENSION SYSTEM

WALL ANGLE

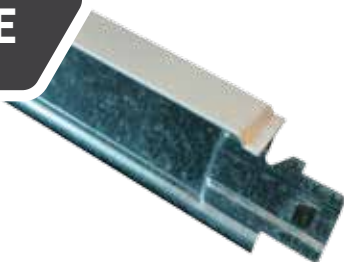


It is a Pre-Painted Galvanized Iron (PPGI) 90-degree angle used in the framework.



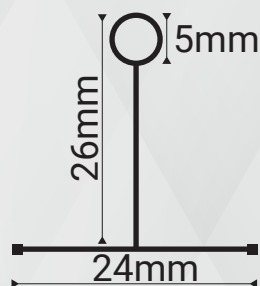
Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
0.40	25X25	3000 OR 3600	50/BOX

CROSS TEE



COLOR: RAL 9016

Short metal T-beam used in suspended-ceiling systems to bridge the spaces between the main tees



Thickness (mm)	Width (mm)	Length (mm)		Package (pcs)
		Metric(mm)	Imperial(ft./mm)	
0.30	24X26	1200	4 / 1220	50/BOX
0.30	24X26	600	2 / 610	75/BOX

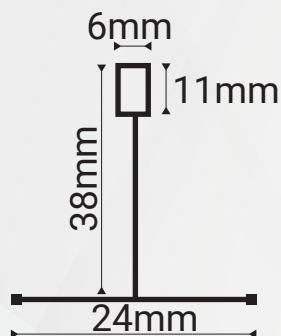
T-GRID SUSPENSION SYSTEM

MAIN TEE



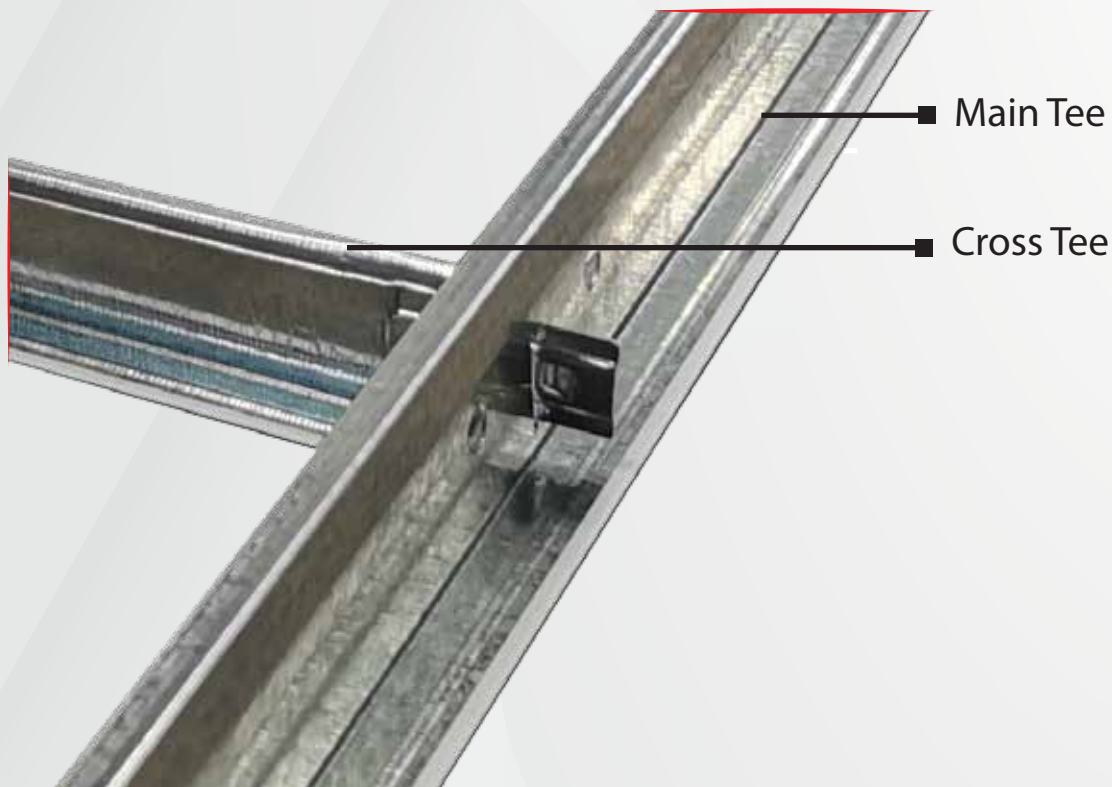
COLOR: RAL 9016

Main tee is a typically 3.6m length of 'T' shape grid which forms the primary support for the suspended ceiling. The Main Runner is suspended from the top fix (or ceiling above) by a combination of suspension wire and some specialist fixings.



Thickness (mm)	Width (mm)	Length (mm)		Package (pcs)
		Metric(mm)	Imperial(ft./mm)	
0.30	24X38	3600	12/3660	25/BOX

INSTALLATION

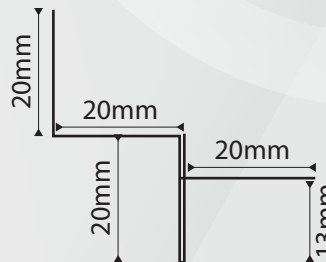


SPECIALIZED PROFILES

SHADOW GAP

20mm X 20mm

Shadow Angle is a primed, pre-formed aluminium trim. It enables to create a shadow gap of 20mm along the ceiling perimeter.

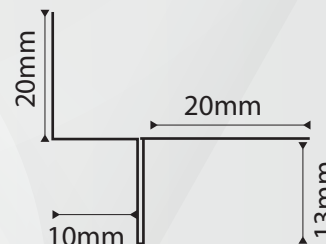


Thickness (mm)	Shadow Gap (mm)	Length (mm)
0.45	20	3000

SHADOW GAP

10mm x10mm

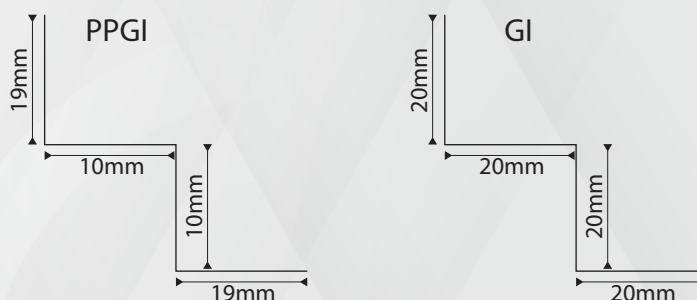
Shadow Angle is a primed, pre-formed aluminium trim. It enables to create a shadow gap of 10mm along the ceiling perimeter.



Thickness (mm)	Shadow Gap (mm)	Length (mm)
0.45	10	3000

W ANGLE

W-Angle can be used for gypsum board ceiling systems to provide a shadow line finish. We provide options in PPGI as well as GI. FSP W-Angle is also available in two sizes (10 & 20).(Zinc Coating: Min.Z12gr)

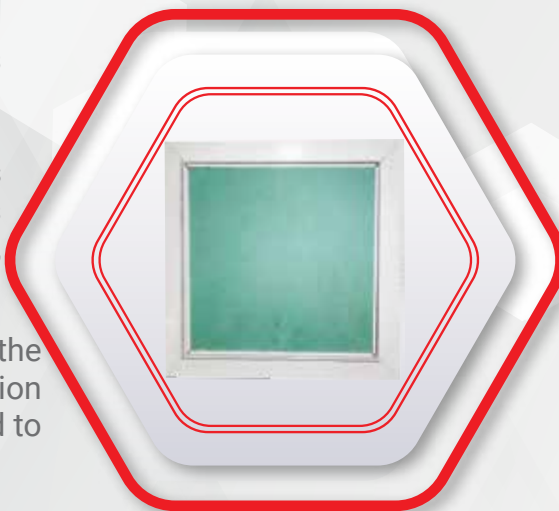


Thickness (mm)	Width (mm)	Length (mm)	Material
0.50	19x10x10x19	3000	Pre-Painted Galvanized Steel
0.50	20x20x20x20	3000	Galvanized Steel

ACCESS PANEL

These custom manufactured systems are planted in various areas of the drywall ceiling, panel fulfills the requirements for constant adjustments, revisions and inspections. It makes access to electrical control outlets, pipes, valves and ventilation duct easier.

The panel has a gypsum insert in the metal frame to allow beautification for the final look, it can be painted to preference.



Standard Size(mm)	Actual door opening size (mm)
200x200	195x195
300x300	295x295
400x400	395x395
450x450	445x445
500x500	495x495
600x600	595x595
600x1200	595x1195

*FSP can cater to any size preferences apart from these standard sizes, available upon request.



Automatic Panel

It has a very convenient push-in system which opens the entire panel. The push-in system acts like a button.



The gypsum flap opens downwards. For further access the metal clip can be removed opening the flap completely.



Manual Panel

This panel simply opens with a manual push and shift creating access



The gypsum flap opens upwards providing comfortable access. The clips on either sides can be removed for complete access.

SCREWS

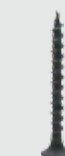
DRY-WALL SCREW



Fine thread drywall screw with bugle head is a durable screw used to secure full or partial sheets of drywall to ceiling joints or studs.



#6 x 2-1/2"



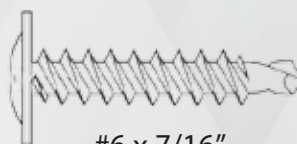
#6 x 1"

Thickness (mm)	Length (inch)	Material	Package (pcs)
0.6	1	Black Phosphated	1000/Box
0.6	2	Black Phosphated	500/Box

SELF-DRILLING



Heavy duty self drilling fastener for multiple layer drywalls, installation and accessory mountings on steel structures. Commonly used in the T-Grid ceiling structure.



#6 x 7/16"

Thickness (mm)	Length (Inch)	Coating	Package (pcs)
0.6	0.44	Zinc Plated	1000/Box



Force Steel Profiles Fzc

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