

Force Steel Profiles

فورس سٹیل پروفائلز

CEILING & PARTITION
SYSTEMS



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About us

Force Steel Profiles (FSP) is a rapidly expanding company specializing in the production and distribution of gypsum/dry-wall ceiling systems, partition systems, T-Grid suspension systems, and aluminum ceiling tiles. Established in Riyadh in 2013, FSP relocated its production facilities to Sharjah, UAE in 2014. As a leading manufacturer of steel profiles, we boast an impressive annual production capacity of 40,000 tons.

Our operations serve both the local market and various sectors of the global market. We also manufacture a range of accessories tailored for steel profile applications. This extensive production capability allows us to deliver solutions across a broad spectrum of industries, including commercial building projects, residential units, hospitals, airports, hotels, and educational facilities.

Our product offerings are particularly advantageous for consultants, architects, building contractors, and developers. We are committed to providing the highest quality products, as evidenced by our ISO 9001:2015 and ISO 14001:2015 certifications. Additionally, all our products are certified by SASO under the Saber Saleem System, underscoring our dedication to quality and compliance.

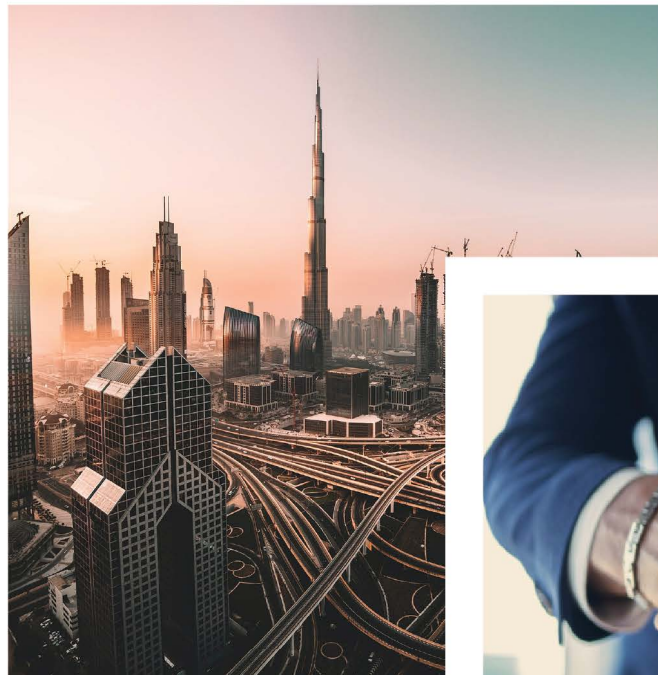
Production

Sharjah

Total Area: 8000 Square Meters
Production Capacity: 20,000 Metric Tons
Machineries: Hi-tech fully automated roll forming machines and ceiling tile production line.

Riyadh

Total Area: 6500 Square Meters
Production Capacity: 20,000 Metric Tons
Machineries: Hi-tech fully automated roll forming machines and ceiling tile production line.



Sales Support

Our team at Force Steel Profiles is highly specialized and qualified to ensure timely delivery of your orders. We maintain strict adherence to delivery schedules and keep ample stock to meet demand efficiently. Our expert staff is dedicated to addressing your needs and providing all necessary information.

We focus on building long-term business relationships by offering supportive, transparent, and seamless interactions. Our commitment to maintaining open and effective communication ensures a positive and enduring partnership.

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.

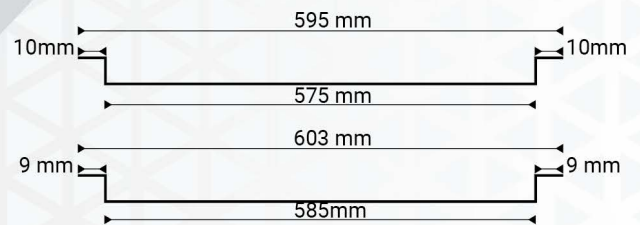


Outlook

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

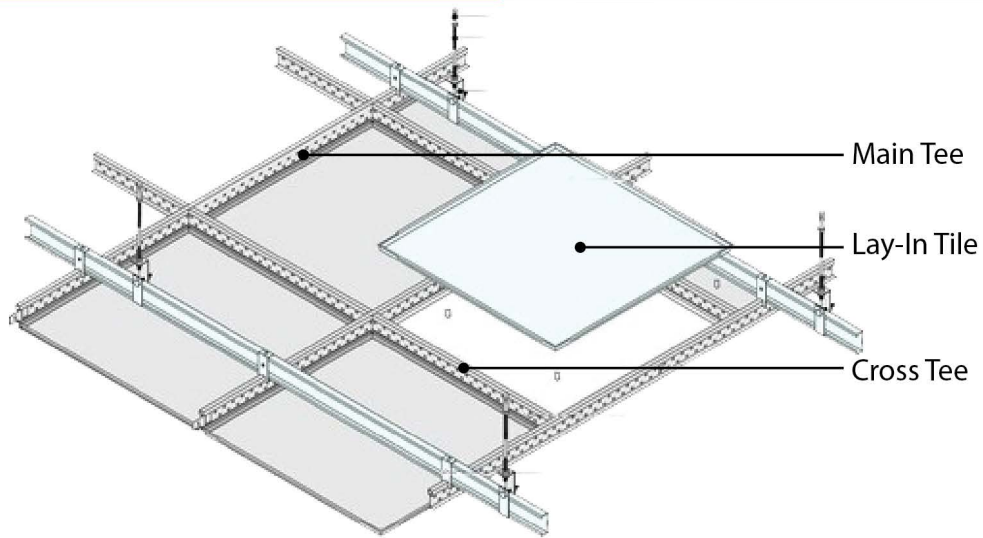
Lay-In Ceiling Tile system is very versatile and durable.

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).

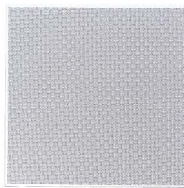
Lay - In Design pattern



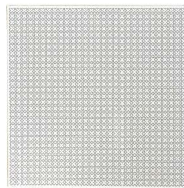
Aluminum Silver



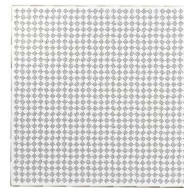
White



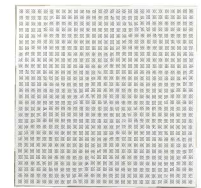
Half Tone



Pixel Puzzle



Square Mingle



Pixel Square

Custom sizes of ceiling tiles are available, allowing you to tailor the dimensions to perfectly fit your unique design and architectural needs.



Aluminum Tile (Clip - In)



Technical Standard

EN 13964:2014 CLAUSE 4

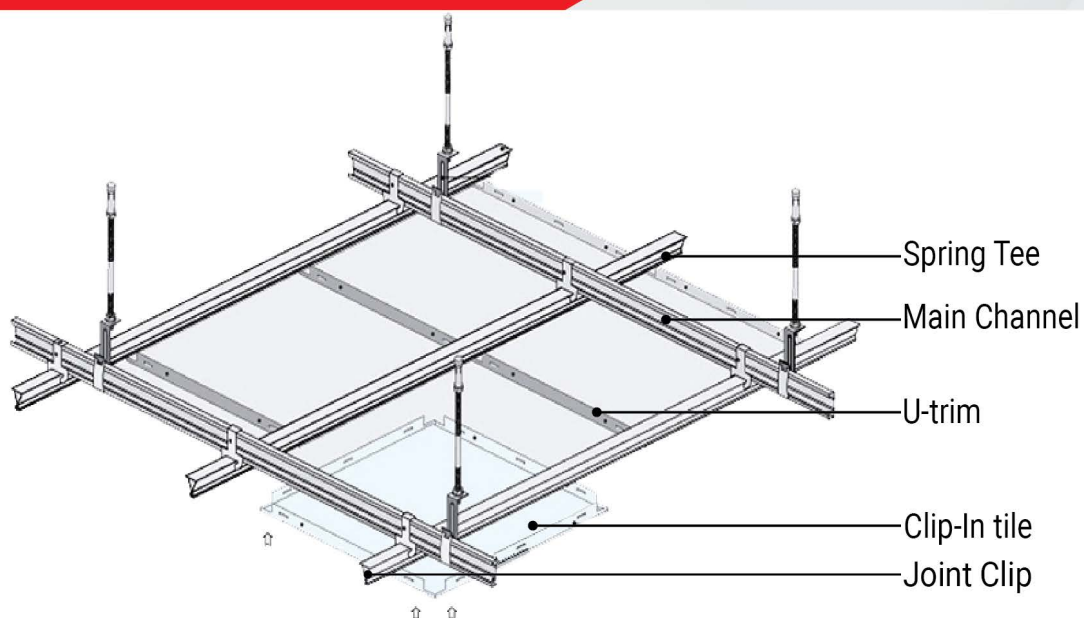
DESCRIPTION	COLOR	LENGTH	SURFACE
Clip In	RAL 9016	600 X 600 X 0.6-0.8 MM	Plain or Perforated 1.8mm

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 Installation Design



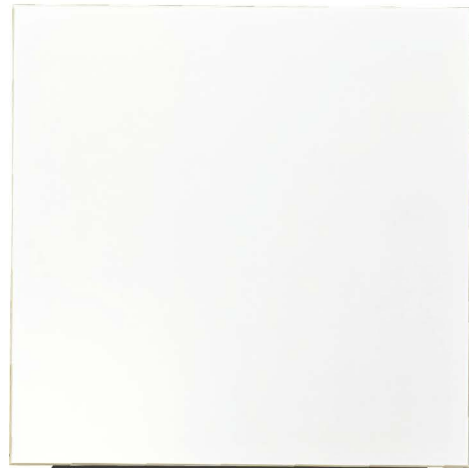
Clip-In grid components

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 create the perfect professional finished edge on the new ceiling.
Joint clip	Used to connect one end of the Spring Tee to another one, it is a connection tool.

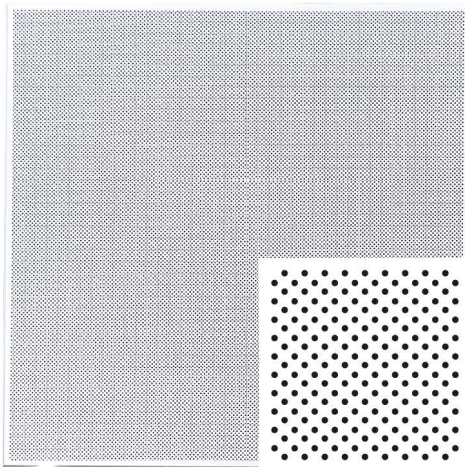
Lay-In and Clip-In design pattern



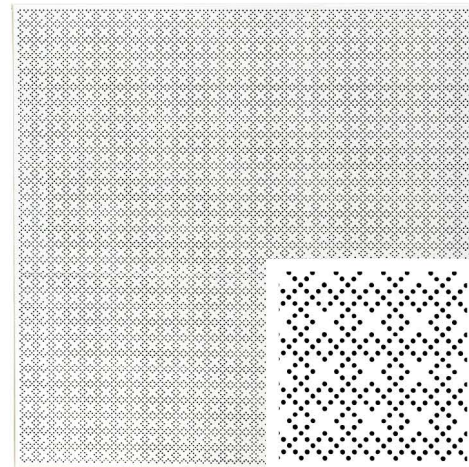
Aluminum Silver



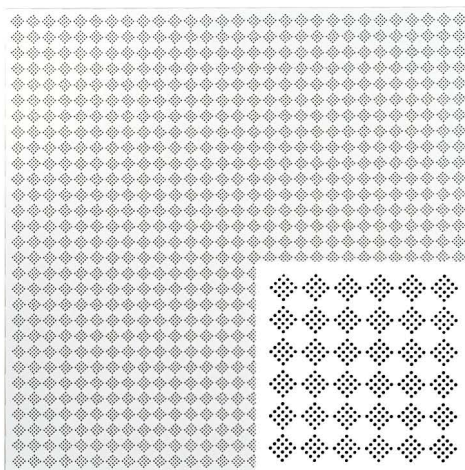
White



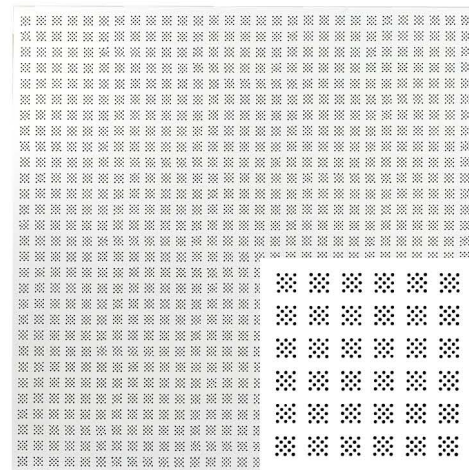
Half Tone



Pixel Puzzle



Square Mingle



Pixel Square

Custom sizes of ceiling tiles are available, allowing you to tailor the dimensions to perfectly fit your unique design and architectural needs.

Block Ladder

Block Ladder : the ideal solution for creating robust structures such as retaining walls, steps, and terraces. Utilizing high-quality concrete blocks or similar materials, this kit allows you to build with precision and durability in a step-like pattern. Achieving a successful block ladder construction has never been easier with our carefully selected materials and comprehensive building guide.

Features and Benefits:

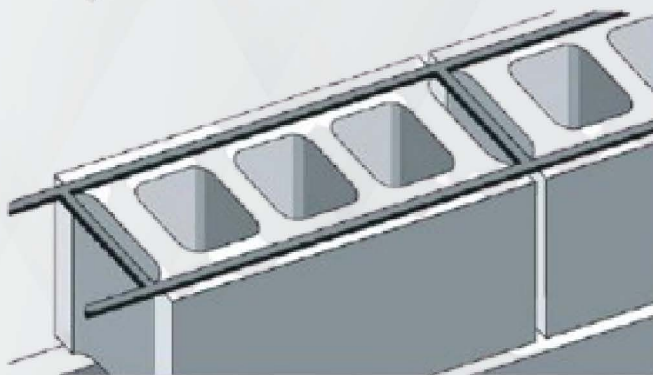
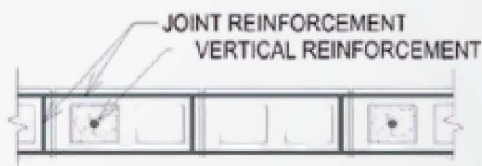
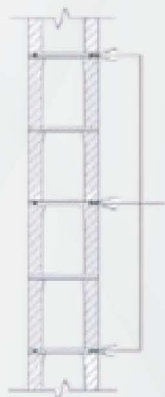
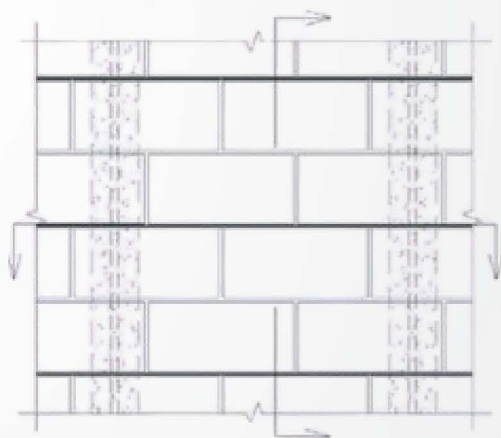
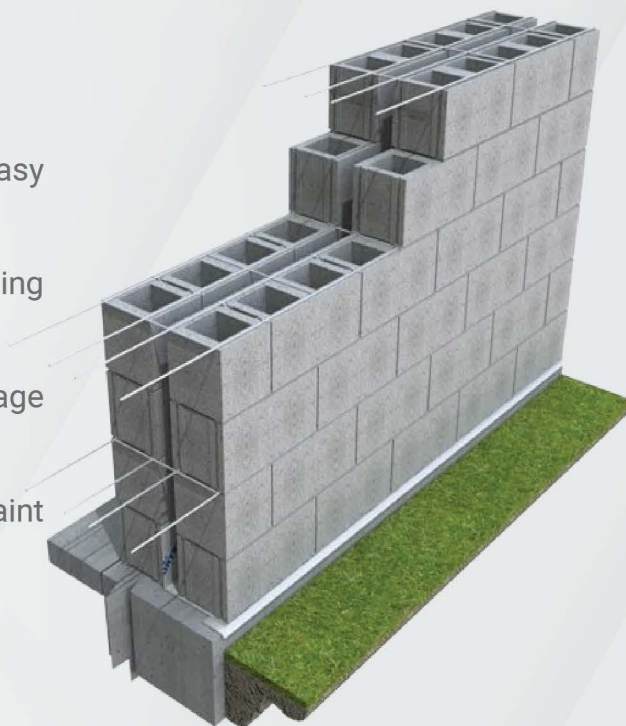
High-Quality Materials: Ensures long-lasting, sturdy constructions

Comprehensive Guide: Step-by-step instructions for easy assembly

Versatility: Perfect for a variety of projects including retaining walls, steps, and terraces

Enhanced Durability: Proper reinforcement and drainage materials included for structural integrity

Professional Finish: Cap blocks and optional sealant/paint for a clean, professional look

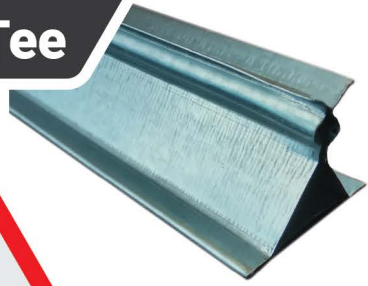


Specification	Thickness	Width (cm)
Block Ladder	3.8 MM	10 - 15 - 20

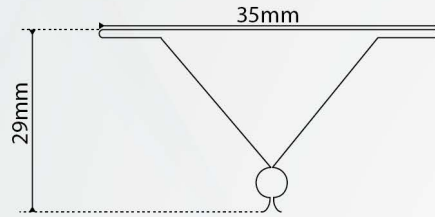


Clip-In ceiling grid components

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.

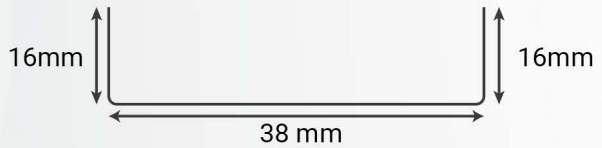


Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
0.45	35	4000 & 3000	200

U-Trim

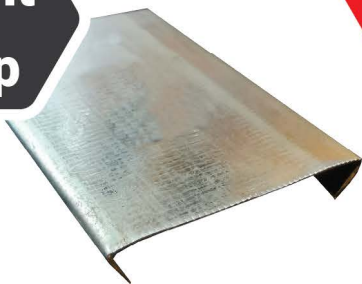


Ceiling Panel U-Trim is pre-painted in white and it is used to create the perfect professional finished edge on the new ceiling. This clever U-trim neatly slots on around the entire ceiling to create a stunning flawless look.



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	CAC
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



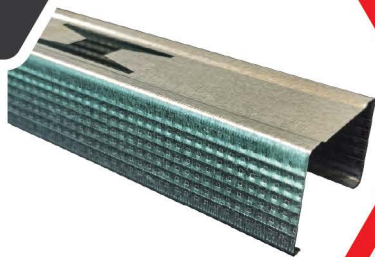
The Track allows vertical movement between the ceilings, keeping the load distributed with the stud.



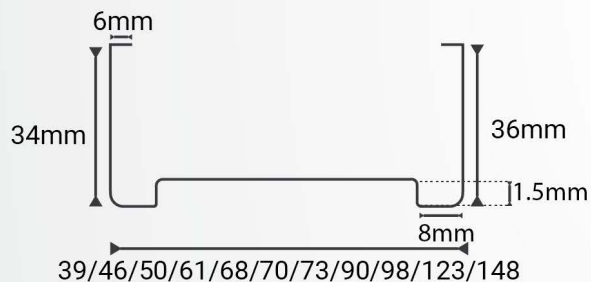
Thickness (mm)	Width (mm)	Length (mm)	Flange(mm)	Package (pcs)
0.35, 0.40, 0.45	41,48,52,63,70,72,75,92,100,125,150	3000	28	250/pallet

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

Stud



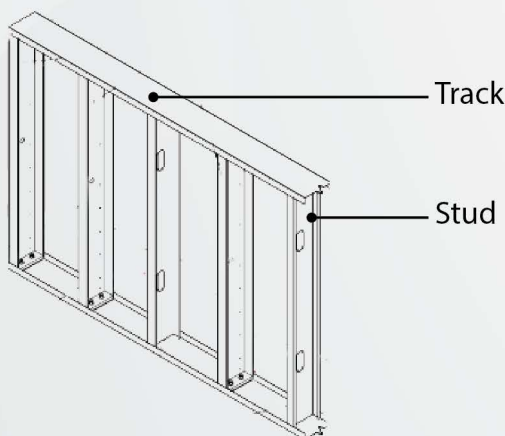
Studs are commonly used for partition as a vertical framing, keeping a friction between the parallel tracks on top and bottom.



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 (0.30mm - 1.00mm) and lengths available upon request

INSTALLATION



DRY WALL CEILING SYSTEM



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	11x38x11	3000	500/pallet

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



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.

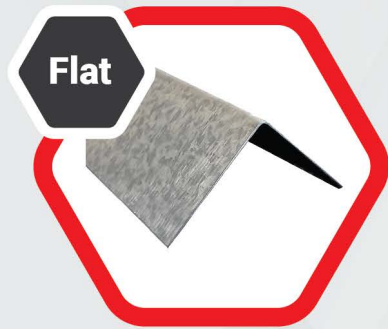


Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
0.35, 0.40, 0.45, 0.60	12x22x35x22x12	3000	500/pallet

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

DRY WALL CEILING SYSTEM

PERIMETER ANGLE

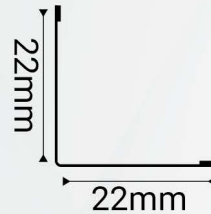
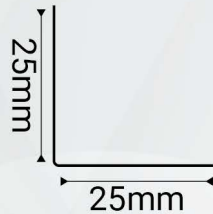


Flat

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



Folded

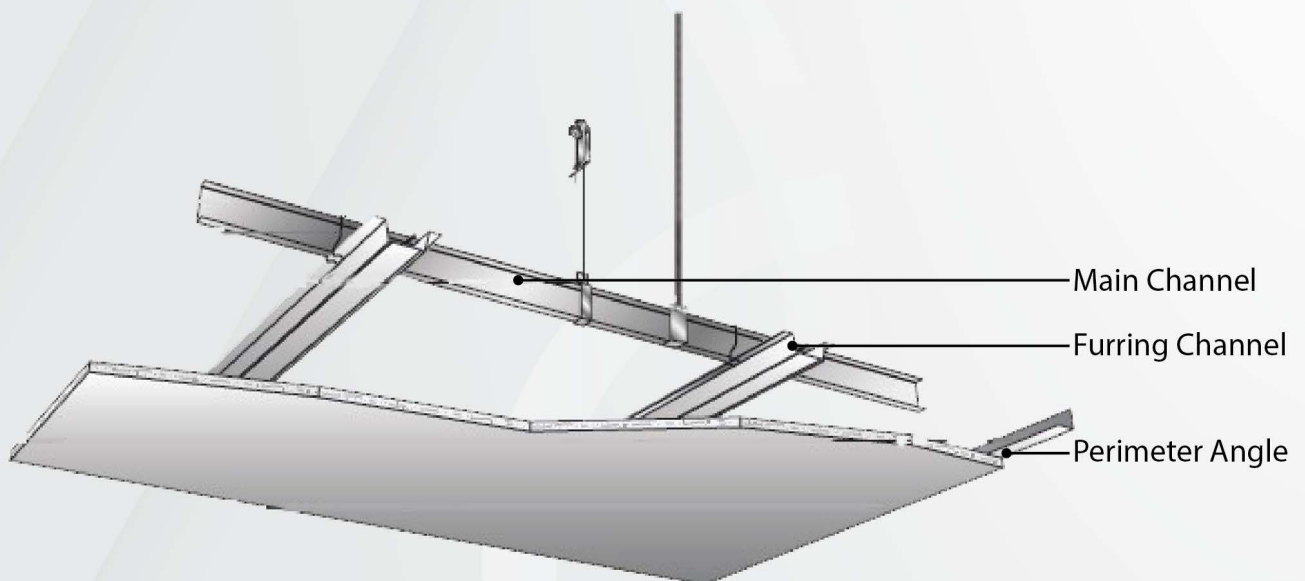


	Thickness (mm)	Width (mm)	Length (mm)	Package (pcs)
Flat	0.30,0.35,0.40,0.45 & 0.60	25x25	3000	1000/pallet
Folded	0.35, 0.40	22x22	3000	500/pallet

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

INSTALLATION

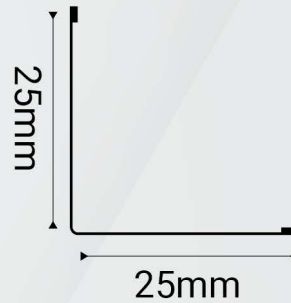
The Furring channel and Main channel form the main grid for drywall ceiling, the perimeter angle is then placed on the edges to close the grid in a neat manner.



T-GRID SUSPENSION SYSTEM



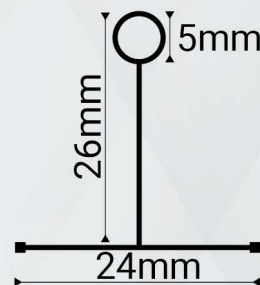
It is a Pre-Painted Galvanized Iron (PPGI) 90-degree angle used in the framework.



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



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

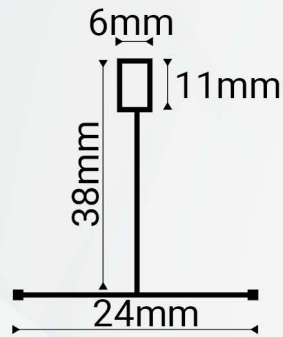
T-GRID SUSPENSION SYSTEM

**MAIN
TEE**



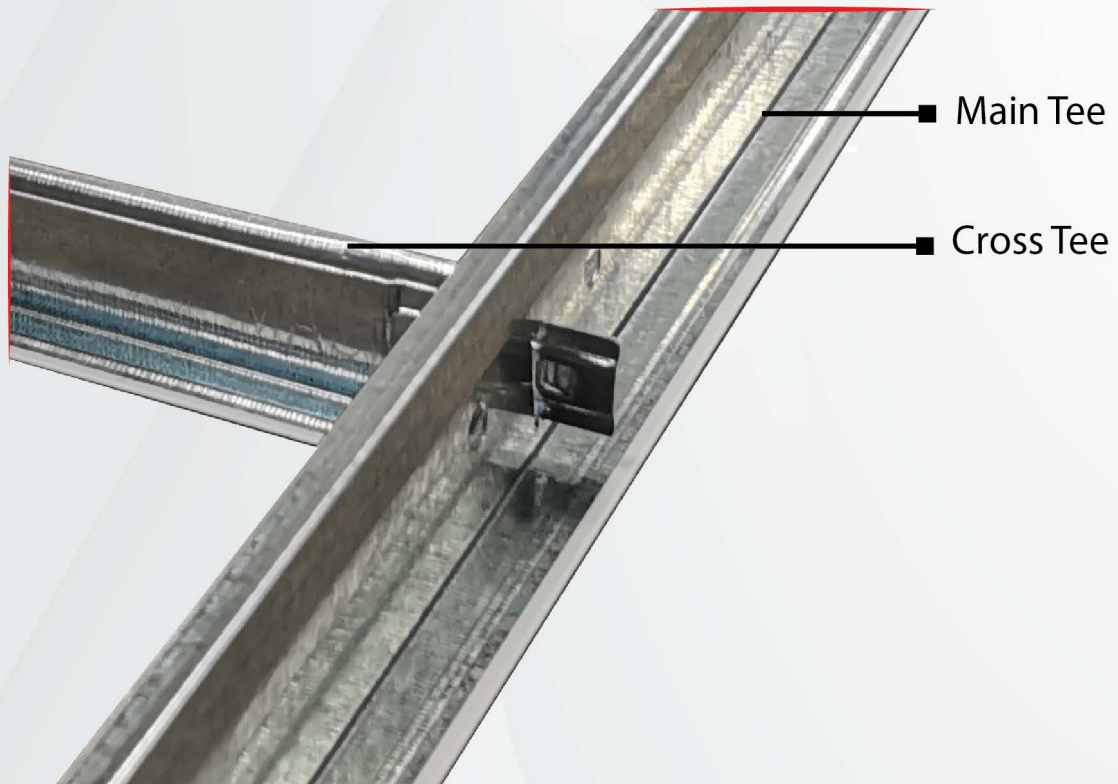
COLOR: RAL 9016

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

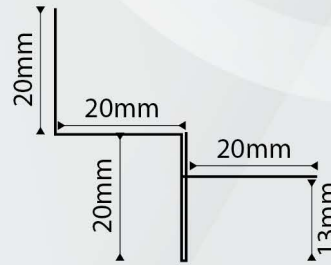
INSTALLATION



SPECIALIZED PROFILES



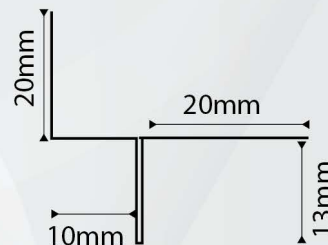
Shadow Angle is a primed, pre-formed aluminium trim. It enables to create a shadow gap of 20mm along the ceiling perimeter.



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



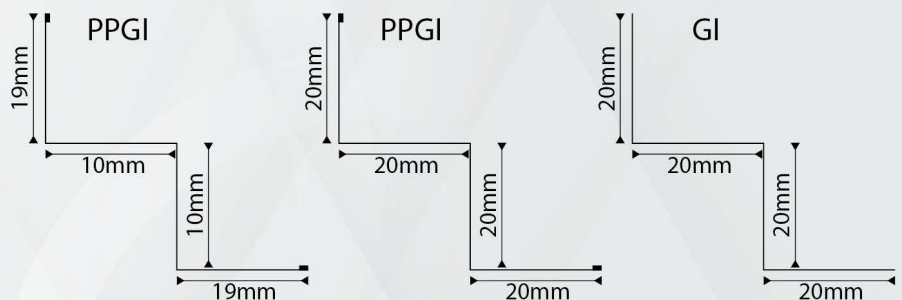
Shadow Angle is a primed, pre-formed aluminium trim. It enables to create a shadow gap of 10mm along the ceiling perimeter.



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



W-Angle 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)

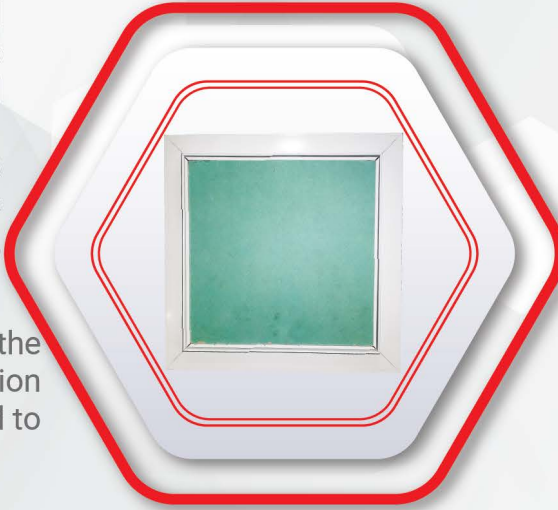


Thickness (mm)	Width (mm)	Length (mm)	Material
0.40 - 0.50	19x10x10x19	3000	Pre-Painted Galvanized Steel
0.40 - 0.50	20x20x20x20	3000	Pre-Painted Galvanized Steel
0.40 - 0.50	20x20x20x20	3000	Galvanized Steel

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.

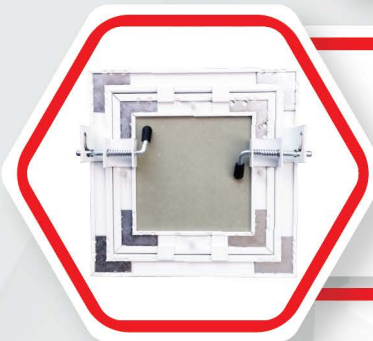


Auto Panel

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 phil recess is a durable screw used to secure full or partial sheets of drywall to ceiling joints or studs. It is a twinfast thread, case hardened screw with a sharp point. Each box includes one PH#2x25mm magnetic driver bit (carve "Taiwan"). Sand blasted, packed by small plastic bag.

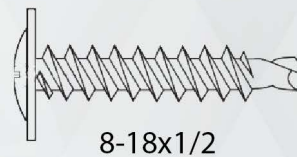


Specification	Material	Package (pcs)
6-17x1	Black Phosphated Carbon Steel C1022	1000/Box
6-17x1-1/4	Black Phosphated Carbon Steel C1022	1000/Box
8x1-1/2	Black Phosphated Carbon Steel C1022	1000/Box

SELF-DRILLING



Phil modified heavy duty self drilling screw #2 point also known as Truss Head. This fastener is for multiple layer drywalls, installation and accessory mountings on steel structures. Commonly used in the T-Grid ceiling structure.



Specification	Material	Package (pcs)
8-18x1/2	Zinc Plated C1022 Steel - Hardened	1000/Box

Force Steel Profiles Fzc



Force Steel Profiles

LET THE *Force* BE WITH YOU