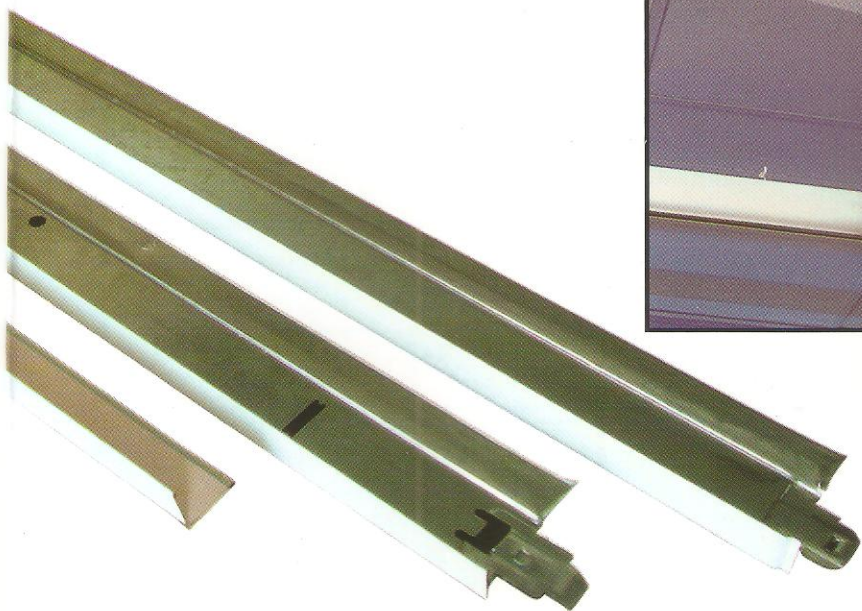


Ceiling

**EXPOSED 'T-BAR'
SUSPENSION SYSTEM**



FRAMEWORK

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EXPOSED "T-BAR" SUSPENSION SYSTEM


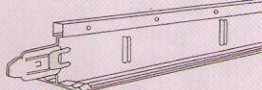

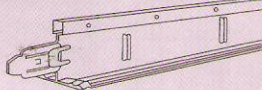




All parts are made of high quality steel for the protection against corrosion, capped with white coloured steel. Main T-Bar and Cross T-Bar have snap-in locking device on each end for quick and easy installation. All parts are designed for best assemble with most popular types of ceiling materials available in the market.

Production Process : All components of the system are roll formed, perforated, press formed and cut to length on a continuous CNC Production line to BS 2994 Standard. This manufacturing process produces a balanced grid profile in precision for stronger and more accurate modules.

Physical Properties : Components are manufactured from Prime Quality Hot Dipped Galvanized Steel according to BS 2989 and JIS G3302 Standards. The exposed flange is capped with pre-coated metal strip with Polyester coating of 18-24 microns dry film thickness.

Fire Protection : Exposed T-Bar system is non-combustible according to BS 476 Part 20, when used with an approved ceiling panel. The system is capable of providing effective protection to structural steel beams supporting a fire resistant floor for a period of 60 minutes according to BS 476 Part 23 (1987).

Regular 24mm

Parts Name	Dimension	Shape	Pcs./Ctn.	Kg/Ctn.
Main T-Bar 38 x 24mm 3.6m or 12'			20	26
Main T-Bar 32 x 24mm 3.6m or 12'			20	24
Cross T-Bar 25 x 24mm 1.2m or 4'			60	19
Cross T-Bar 25 x 24mm 0.6m or 2'			60	10

Technical Load Data

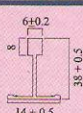
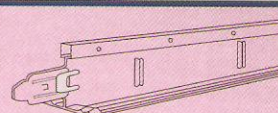
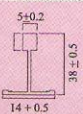
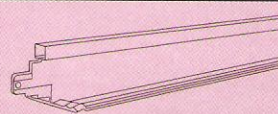
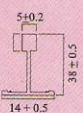
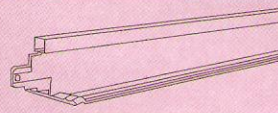
Light Duty System : Capable of carrying a load not less than 14.5 Kg./m (12 .08 Kg./m² on 1220mm hanger spacing) without the mid-span deflection exceeding L/360.

Parts Name	Simple span concentrated Load at length Kg/m	Uniform load ASTM C-635 Kg/m	ASTM Class
Main T-Bar 32 x 24 - 3.6m	8.6	14.5	Light Duty
Cross T-Bar 25 x 24 - 1.2m	6.4	8.6	Light Duty
Cross T-Bar 25 x 24 - 0.6m	10.8	20.8	Light Duty

Intermediate Duty System : Capable of carrying a load not less than 22 Kg./m (18.3 Kg/m² on 1.2 m hanger spacing) without the mid-span deflection exceeding L/360.

Parts Name	Simple span concentrated Load at length Kg/m	Uniform load ASTM C-635 Kg/m	ASTM Class
Main T-Bar 38 x 24 - 3.6m	13.6	22.0	Intermediate Duty
Cross T-Bar 25 x 24 - 1.2m	10.4	15.5	Intermediate Duty
Cross T-Bar 25 x 24 - 0.6m	14.2	30.2	Intermediate Duty

Slimline System 14mm


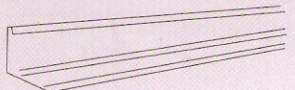

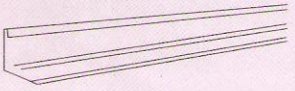

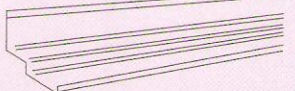
Parts Name	Dimension	Shape	Pcs./Ctn	Kg/Ctn.
Main T - Bar 38 x 14mm - 3.6m or 12'			20	22
Cross T-Bar 38 x 14mm - 1.2m or 4'			60	22
Cross T-Bar 38 x 14mm - 0.6m or 2'			60	11

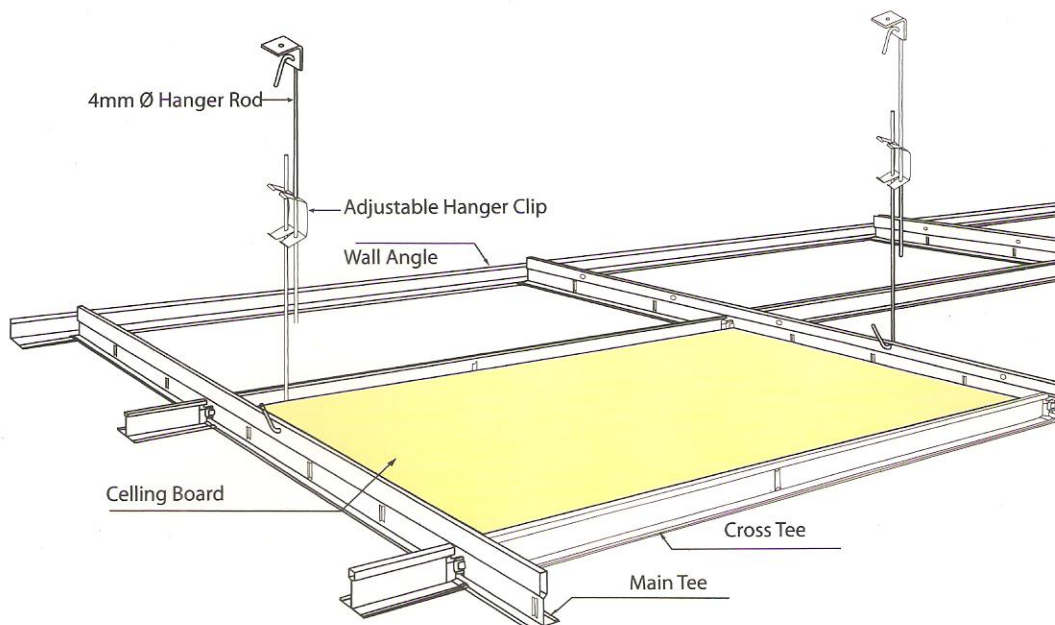
Technical Load Data

Intermediate Duty System : Capable of carrying a load not less than 20Kg./m (16.6 Kg./m² on 1.2m hanger spacing) without the mid-span deflection exceeding L/360.

Product	Simple span concentrated Load at length Kg/m	Uniform load ASTM C-635 Kg/m	ASTM Class
Main T-Bar 38 x 14 - 3.6m	13.6	20.1	Intermediate Duty
Main T-Bar 38 x 14 - 1.2m	13.4	18.5	Intermediate Duty
Cross T-Bar 38 x 14 - 0.6m	28.8	38.2	Intermediate Duty

Wall Angle

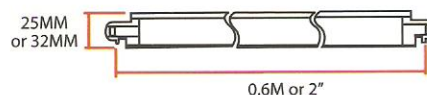
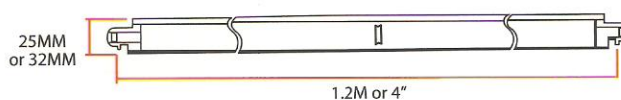
Parts Name	Dimension	Shape	Pcs./Ctn	Kg/Ctn.
Wall Angle 24 x 24mm 3000mm			40	27
Wall Angle 19 x 19mm 3000mm			40	23
Shadow Wall Angle 19 x 14mm 3000mm			40	28



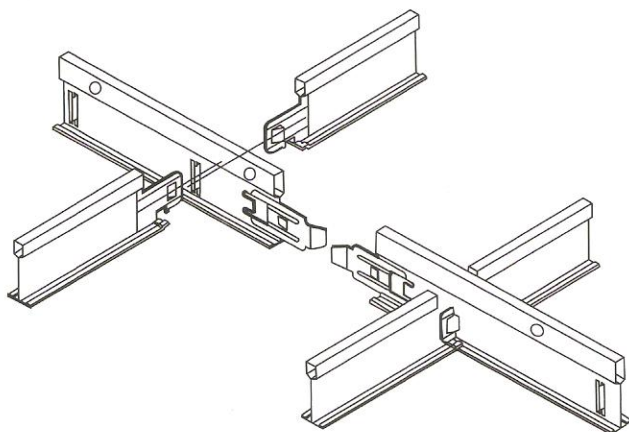
Main Tee is a double web section of 38 mm or 32mm high, made in standard length of 3.6 integral push lock splices at both ends for easy inter-connection. The end splices have been tested to sustain a pulling force of 68kgf before separation. The bulb is pre-punched with "H" slots at 75mm from ends and 150mm in between to receive cross tees.



Cross Tee is a 25mm high double web section with joggled flange at both ends. It has integral splices at both ends for straight entry to the main tee for interlocking connections. The precision of the joggle ensure minimum "floating effect" of ceiling boards. Each end splice has a built-in fire nib which will be broken as a result of linear expansion of the grid during a fire, allowing movement of the cross tees to maintain the structural integrity of the ceiling system. Cross tees are available in the standard 1.2m or 4' and 0.6m or 2' length.



Connection between Main and Cross Tees



Cross Tee Fire Nib

