



Tel: 0800 975 4933

Sales: sales@avantauk.com

Unit B1 - Astra Park - Parkside Lane - Leeds - LS11 5SZ



CEILING SUSPENSION GRID

CEILING SYSTEMS

Ceiling Suspension Grid

Category is a new 24mm exposed grid ceiling suspension system designed to provide ceiling solutions to specialist and general interior fit-out contractors. Available exclusively from CPD Distribution plc, the UK's leading supplier of suspended ceiling systems, the grid is designed to offer a solution for the majority of projects where standard exposed tee grid and lay-in ceiling tiles are demanded.

Category offers excellent value for money without compromising on quality. The system is manufactured to meet the most stringent British and European standards and comply with all relevant building codes and norms.



Easy to Install

The Category grid system is also easy to install. A unique and proven stab clip design permits fast and simple installation without the use of tools. The cross tees are simply inserted and click into position on the main runner. The system is self-aligning ensuring a strong and positive connection that is square and tight every time. This is achieved with minimum effort, saving time and money. Removal is just as easy, simplifying future maintenance and making Category grid fully demountable.

Category grid can be used with any standard proprietary ceiling tile that is designed for 24mm grid. The butt-cut cross tee system ensures that flat lay-in ceiling tiles sit flush and neatly in position, without unsightly shadow gaps. Category is also compatible with tegular ceiling tiles.

High Quality Materials

Most importantly, Category offers the installer and user peace of mind that the products being used are of the highest quality and are readily available from the ceiling market's leading supplier, CPD. Experienced staff at CPD branches are ready to offer expert and unbiased advice on the selection and use of the Category Ceiling Suspension System, plus all other leading European manufacturers of ceilings and grid systems.



Features and Benefits

- Exposed 24mm system to suit both 600 x 600mm and 1200 x 600mm ceiling modules
- Butt-cut cross tee system, preferred for flat lay-in mineral fibre, metal and gypsum ceiling applications
- Maximum economy and design simplicity
- Fast and simple to install
- Cross tees feature a proven stab clip design for fast, simple installation and easy to remove without tools
- Compatible with Square and Tegular ceiling tiles
- Suitable for use with all standard ceiling tiles for 24mm grid systems
- Up to 60 minutes fire protection*
- Standard white colour
- CE Marked to comply with:

CE **BS EN 13964:2004**
 Reaction to fire: A2-s1, d0
 Corrosion class: Class B



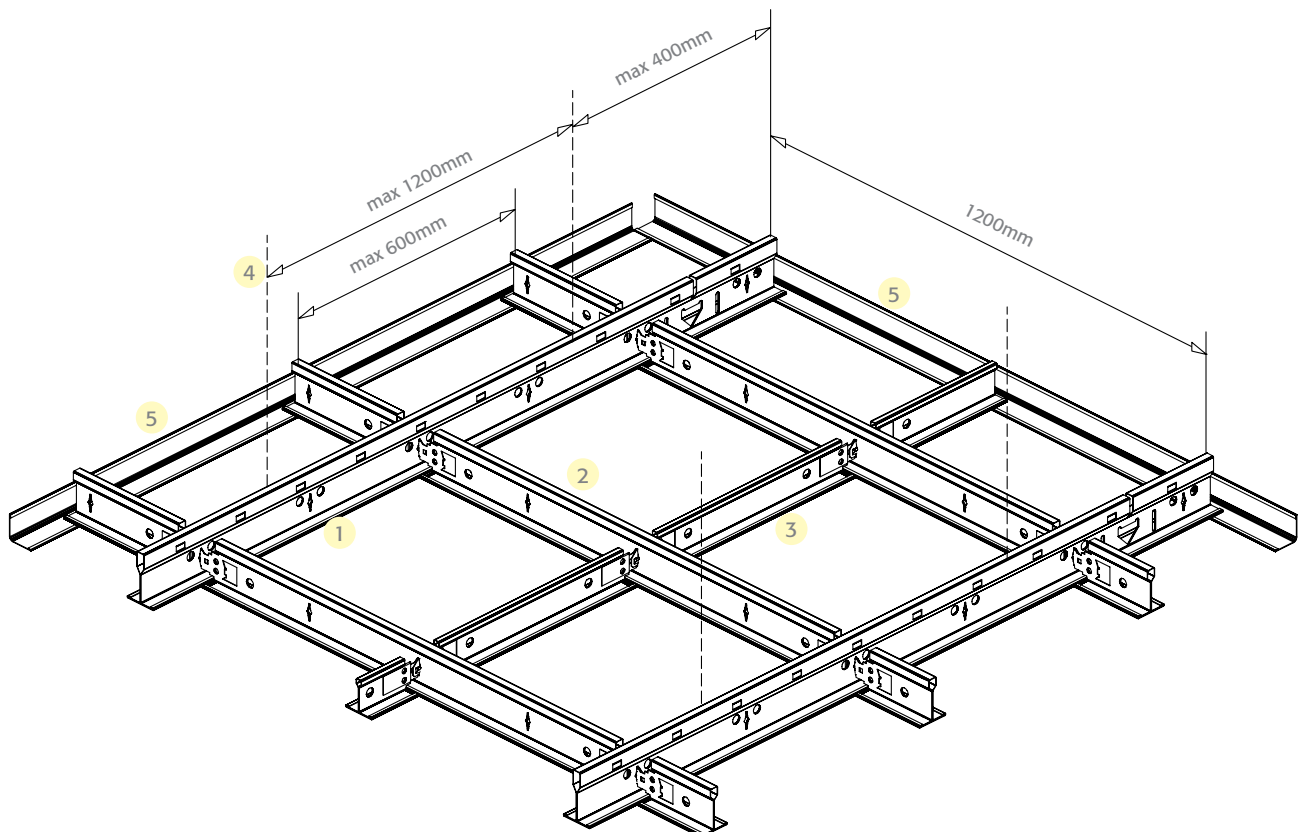
Easy to remove without the need for tools

Simply grasp the main runner with both hands and place the thumbs under the main runner and cross tee junction. Give the main runner a quick sharp twist and the cross tee is released. **NO TOOLS REQUIRED!**

* Category Ceiling Suspension Systems are certified with appropriate ceiling panels to provide up to 60 minutes structural fire protection in accordance with BS476: pt23. Further details can be obtained from your local branch of CPD Distribution plc.

Material needed for CAT24XTB grid construction (per m² ceiling)

Description	Item Reference	Product Code	Module		Pack Qty
			600 x 600	600 x 1200	
1 Main Runner	CAT24XTB-H370	A0778 0005	0.83 linear metre	0.83 linear metre	20
2 1200 Cross Tee	CAT24XTB-H120	A0778 0010	1.67 linear metre	1.67 linear metre	60
3 600 Cross Tee	CAT24XTB-S60	A0778 0015	0.83 linear metre		60
4 Hanger	CAT-SW2	A1935 0335	0.70 pieces	0.70 pieces	5kg
5 Perimeter Trim	CAT-PT2919	A0778 0020	Project Specific	Project Specific	40



Specification

Grid shall be CAT24XTB exposed grid system, hot dipped galvanised steel 'T' section with pre painted capping. Table width 24mm. To suit variable module sizes, most typically 600 x 600mm and 1200 x 600mm.

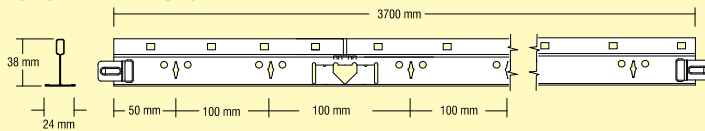
Main runners: 38 x 24mm, ref CAT24XTB-H370 shall be normally spaced at 1200mm centres and suspended from the structure or soffit using pre-straightened 2mm diameter steel wire hangers, ref CAT-SW2, at typically 1200mm centres. First hanger shall be no more than 450mm from the perimeter. Main runners joined end on by means of the integral splice. Splice connections shall be supported within 150mm with a hanger, and shall be staggered across the ceiling area.

Cross tees: 1200mm cross tees, 32 x 24mm ref CAT24XTB-H120, shall be installed perpendicular between the main runners at 600mm centres to form a 1200 x 600mm module. If applicable, 600mm cross tees, 25 x 24mm ref CAT24XTB-S60, shall be installed perpendicular between the 1200mm cross tees to form a 600 x 600mm module. All cross tees feature a 'butt cut' end detail.

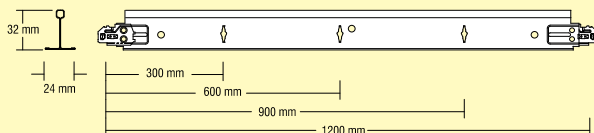
Perimeter trims: 29mm x 19mm painted steel angle trim, ref CAT-PT2919, fixed to perimeter wall using fixings appropriate to the structure at maximum 450 mm centres. Corners shall normally be finished with a lapped joint

Hangers: Shall be from pre straightened 2mm diameter steel wire, ref CAT-SW2. Hangers shall be fixed through holes in stalk or bulb of main runner and wrapped around itself a minimum of 3 times. Alternatively, hangers can be formed from 25 x 25mm steel angle section, ref CAT-GA5, fixed to main runners using appropriate self drilling screws or nut and bolt fixings. Hangers shall be normally spaced at 1200mm centres although alternative spacings are acceptable provided maximum loadings stated below are not exceeded. Hangers to be fixed to structure or soffit using fixings appropriate to the structure or soffit.

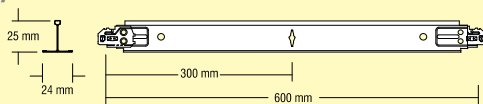
Main Runner CAT24XTB-H370



Primary Cross Tee CAT24XTB-H120

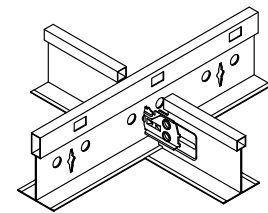


Secondary Cross Tee CAT24XTB-S60

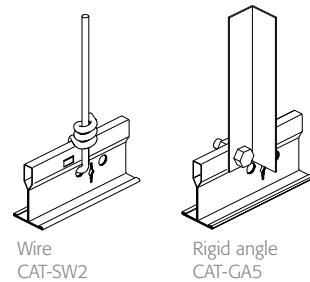


Cross Section/Connection

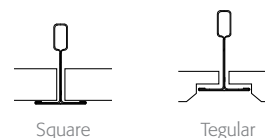
Main tee and cross tee connection



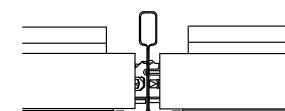
Suspension options



Tile edges supported



Ceiling tile support



Butt cut cross tee detail to ensure that tile sits flat on grid

Maximum allowed weight of tiles per m² of ceiling (wire suspension)

Hanger distance (mm)	Module			
	Main runner at 1200mm 600 x 600	Main runner at 1200mm 600 x 1200	Main runner at 600mm 600 x 600	Main runner at 600mm 600 x 1200
800	22.5	22.7	-	-
1000	22.5	22.7	50.0	50.1
1200	11.2	11.4	23.7	23.8
1500	4.0	4.2	9.2	9.3

Note: The load per m² must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span as stated in BS: 8290: 1991, provided the grid layout is as presented in the sketch.

Contact CPD for max weight loadings using alternative suspension methods

