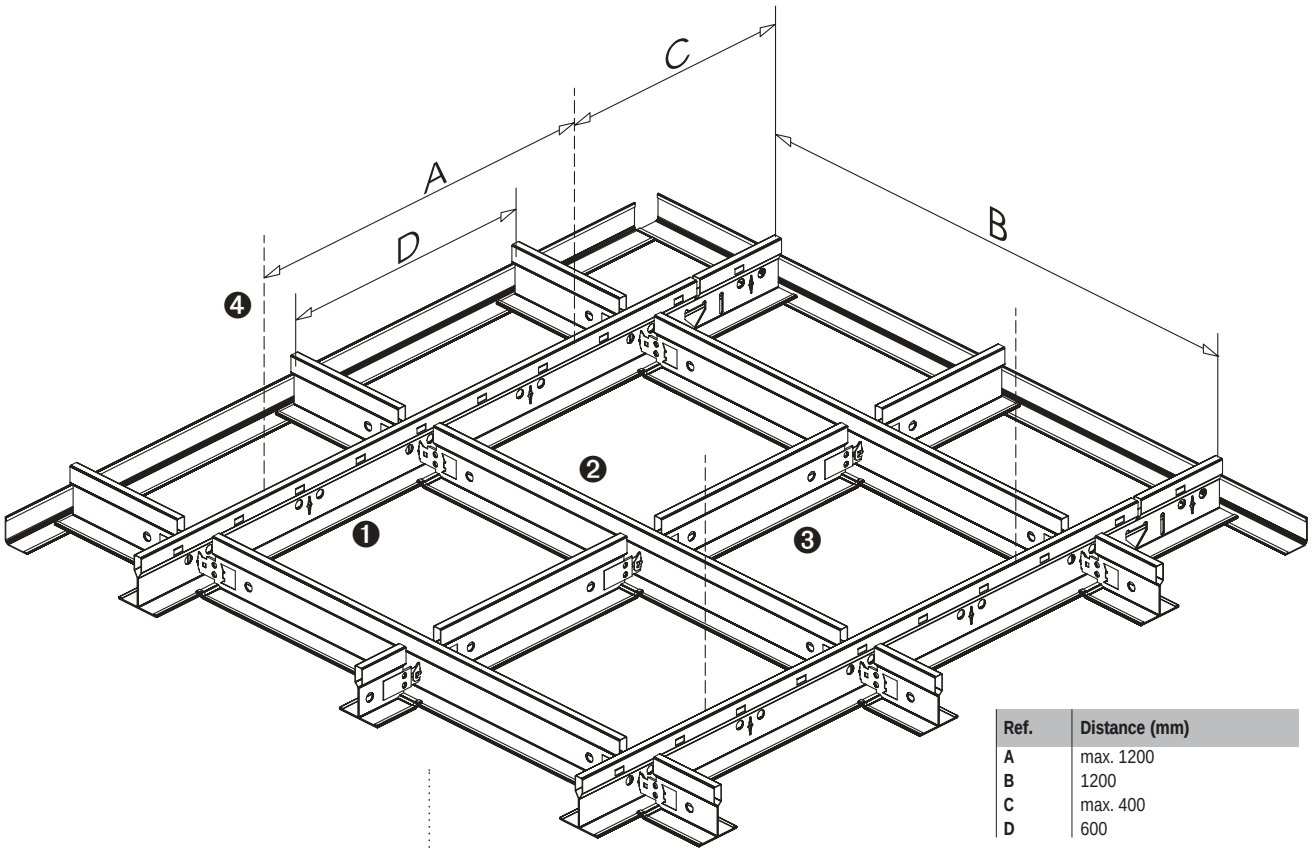
DONN® DX35



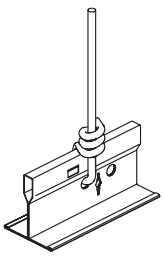
Ref.	Distance (mm)
A	max. 1200
B	1200
C	max. 400
D	600

System characteristics:

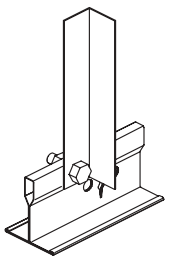
- Exposed 35mm system
- Wide profile for use with insulation lining panels and large module ceiling tiles
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges
- Patented QUICK-RELEASE™ cross tees: easy to remove without tools
- Fast installation
- Joggled (overriding) ends ensure no exposed metal edges
- Available in galvanised finish and white painted
- Additional features available in the following systems:
  - DONN DX CE controlled environment system

Material needed for DX35 grid construction (per m² ceiling)

Nr	Description	Item reference	Module 600 x 600	Module 600 x 1200
1	Main Runner	DX35XH370W	0.83 lin m	0.83 lin m
2	1200 Cross Tee	DX35XH120W	1.67 lin m	1.67 lin m
3	600 Cross Tee	DX35XH60W	0.83 lin m	
4	Hanger	DSW2	0.70 pieces	0.70 pieces

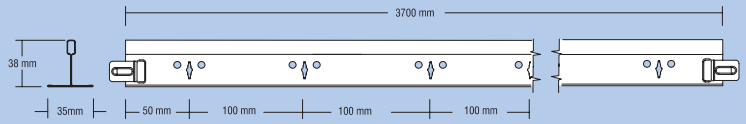


DX35 / Suspension wire - DSW2

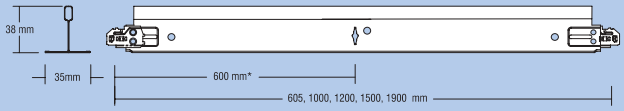


DX35 / Angle section - DGA5

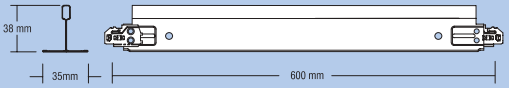
Main Runner DX35XH370W



Long Cross Tee DX35XH120W



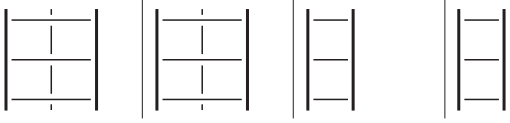
Short Cross Tee DX35XH60W



Maximum allowed weight of tiles per m² of ceiling

	Module			
	Main runner at 1200mm		Main runner at 600mm	
▼ Hanger distance (mm)	600 x 600	600 x 1200	600 x 600	600 x 1200
800	29.0	29.5	-	-
1000	29.0	29.5	61.3	61.8
1200	13.6	13.9	28.7	29.1
1500	4.5	4.9	10.7	11.1

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.



Please consult USG for other layouts, load or hanger distance.

Specification DONN DX35

Grid shall be DONN DX35 exposed grid system, hot dipped galvanised steel ' T ' section with pre painted capping. Table width 35mm. To suit variable module sizes, most typically 600 x 600mm and 1200 x 600mm.

Main runners:
38 x 35mm, ref DX35XH370 shall be normally spaced at 1200mm centres and suspended from the structure or soffit using pre-straightened 2mm diameter HDG steel wire hangers, ref DSW2, 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.

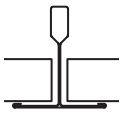
Cross tees:
1200mm cross tees, 38 x 35mm ref DX35XH120, shall be installed perpendicular between the main runners at 600mm centres to form a 1200 x 600mm module. If applicable, 600mm cross tees, 38 x 35mm ref DX35XH60, shall be installed perpendicular between the 1200mm cross tees to form a 600 x 600mm module. All cross tees feature a 'joggled' end detail.

Perimeter trims:
29mm x 19mm painted HDG steel angle trim, ref MI 2919, fixed to perimeter wall using fixings appropriate to the structure at maximum 450mm centres. Corners shall normally be finished with a lapped or butt joint.

Hangers:
Shall be from pre straightened 2mm diameter HDG steel wire, ref DSW2. 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 HDG steel angle section, ref DGA5, 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 above are not exceeded. Hangers to be fixed to structure or soffit using fixings appropriate to the structure or soffit.

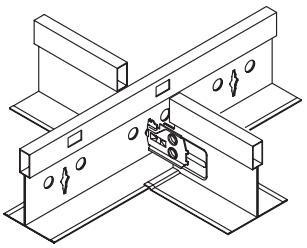
Hold down clips:
Where applicable, these shall be non removable type clips, ref VB45. These generally will only be required in certain fire protecting assemblies or where there is a risk of tile uplift. Where fitted, these should be applied to all grid members at a rate of 1 clip per 600mm of tile edge.

Tile edge supported



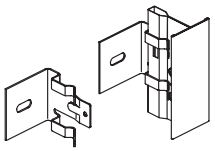
DX35 / SQ

Cross section



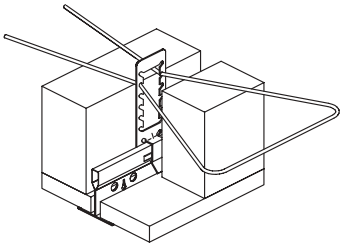
Main tee and cross tee connection.

DX35 / GFV



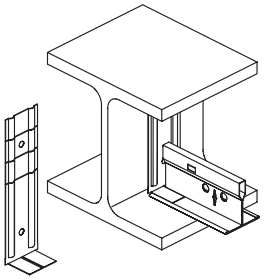
GFV clip for vertical fixing of DX35 to wall.

DX35 / DCL150 + EP25



Variable hold-down clip for thick insulation overlay.

DX35 / DCL011



DCL 011 bracket for direct fixing of DX35 tee to "I" beam.