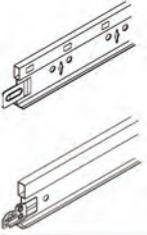
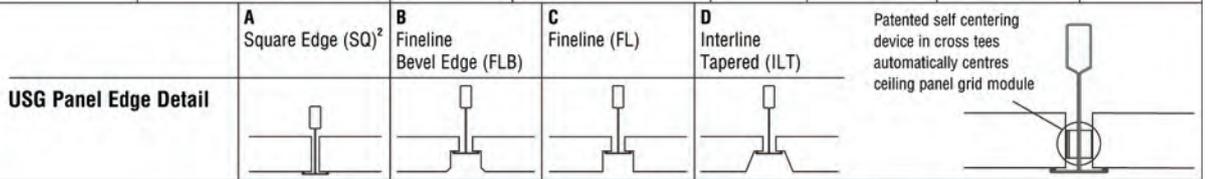


15mm Tee System 		Profile	Product	Profile Height	Component Length ¹	Code	Panel Edge Options
	Main Tee		Deep	Main Tee (Standard) Main Tee (Heavy)	38mm 38mm	3600mm 3600mm	DXT30D-3600 DXT38D-3600
Cross Tee		Deep	Cross Tee (Standard) Cross Tee (Standard) Cross Tee (Heavy)	38mm 38mm 38mm	1200mm 600mm 1200mm	DXT30D-1200 DXT30D-0600 DXT38D-1200	A, B, C, D A, B, C, D A, B, C, D



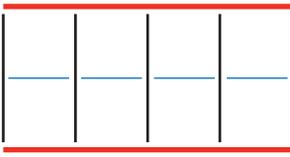
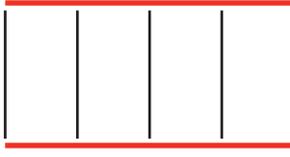
Maximum Load Calculations
Ultimate Limit State

To determine which is the most appropriate and cost effective grid combination compliant with AS/NZS 2785:2000
Suspended Ceilings - Design and Installation:

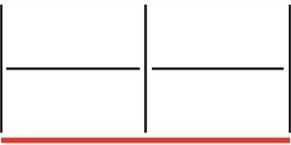
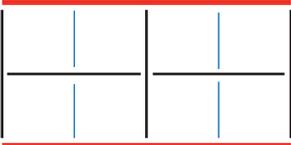
- Step 1. Calculate the total ceiling weight (grid, tile, lights, insulation etc) and multiple by a safety factor of 1.4 (as required in Clause 3.3.5(a). of the standard). Add in service load (if required under AS/NZS 2785:2000 Clause 3.2.2(b))
- Step 2. From the tables below, select grid combination and hanger spacing where the maximum ceiling weight (from Step 1, above) is less than or equal to the maximum allowable load from the tables.
- Step 3. Use a hanger type and location greater than the Maximum Allowable Loads from the tables above.
Use of these tables must take into account any point loads.

For more information read USG Donn Brand Suspension Systems booklet available upon request, or online at www.usg.com.au

Step 2

	Grid Combinations			Maximum allowable load kg/m²	Hanger Spacing (mm)						System Weights kg/m²
	Main Tee	Cross Tee	Cross Tee		1000	1100	1200	1350	1500	1800	
Standard 600mm x 600mm 	DXT30D-3600	DXT30D-1200	DXT30D-600	17.6	14.5	11.1	N/A	N/A	N/A	0.93	
	DXT38D-3600	DXT38D-1200	DXT30D-600	28.2	23.3	17.8	14.1	11.3	N/A	1.10	
Standard 1200mm x 600mm 	DXT30D-3600	DXT30D-1200		17.6	14.5	11.1	N/A	N/A	N/A	0.70	
	DXT38D-3600	DXT38D-1200		28.2	23.3	17.8	14.1	11.3	N/A	0.85	

DONN DXT
Centricitee
15mm

Alternative Grid Layouts	Grid Combinations			Maximum allowable load (kg/m ²)	Hanger Spacing (mm)						System Weights kg/m ²	
	Main Tee	Cross Tee	Cross Tee		1000	1100	1200	1350	1500	1800		
Cross Nogged 1200mm x 600mm 	DXT30D-3600	DXT30D-1200		1200	12.8	12.8	11.1	N/A	N/A	N/A	0.70	
	DXT38D-3600	DXT38D-1200			17.1	17.1	17.1	14.1	11.3	N/A	0.85	
Cross Nogged 600mm x 600mm 	DXT30D-3600	DXT30D-1200	DXT30D-600	1200	12.8	12.8	11.1	N/A	N/A	N/A	0.93	
	DXT38D-3600	DXT38D-1200	DXT30D-600		17.1	17.1	17.1	14.1	11.3	N/A	1.10	
STEP 3 Maximum Allowable Loads (kg/m²) with Main Tees at 1200mm spacing. (if at 600mm spacing double the Allowable Load)	Use a hanger type and location greater than the Maximum Allowable Loads from the tables above. Use of these tables must take into account any point loads.											
	Using a bulb hole			Using a web hole			Using a CL315 Clip			Using a DFS200 Strap		
	- Ø 2.5 wire - CL 2424 			- Ø 2.5 wire - CL 2424 						(between bulb holes only no less than 10mm) 		
Hanger spacing	1200	1350	1500	1200	1350	1500	1200	1350	1500	1200	1350	1500
DXT30D-3600	N/A	N/A	N/A	33.3	29.6	26.6	40.8	36.3	32.6	N/A	N/A	N/A
DXT38D-3600	31.5	28.0	25.2	48.7	43.3	38.9	49.0	43.3	39.2	37.6	33.4	30.1

Scan to watch tile and grid installation video.

