

USG ALTA™ STRUCTURAL SUSPENSION SYSTEM



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FEATURES AND BENEFITS

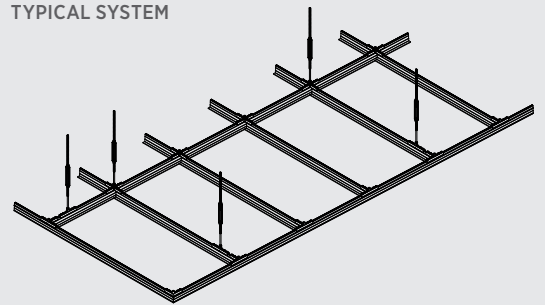
- 2" flanged structural tee system
- 6005 T5 aluminum body with anodized surface and painted options available in White (050), Flat Black (205), and custom colors
- Standard threaded upper and lower channels
- Superior load carrying capacity, up to 1,200 lbs
- Gasketing options available

APPLICATIONS

- Data Centers
- Critical Facilities

USG ALTA™ Structural Suspension System is comprised of Main Tees (SGX40), Cross Tees (SGX240 or SGX440), Perimeter Tees (SGXWM40), Intersection Brackets, and a series of accessory components designed for specific project requirements.

TYPICAL SYSTEM

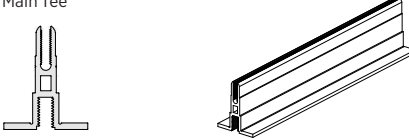




USG ALTA™ STRUCTURAL SUSPENSION SYSTEM

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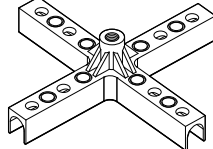
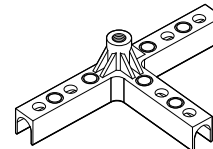
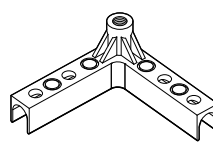
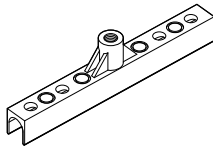

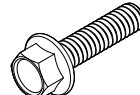
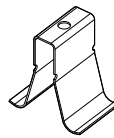
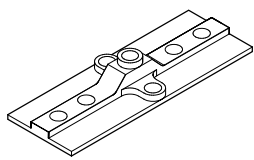
SGX40 SYSTEM

	Length	Height	Item No.
Main Tee 	12'	2-1/2"	SGX40
Cross Tee 	4'	2-1/2"	SGX440
	2'	2-1/2"	SGX240
Perimeter Tee 	12'	2-1/2"	SGXWM40

LOAD CAPACITIES

Module Size ¹	Max Safe Working Uniform Load (lbs/ft ²) ²	Point Load at L/360 (lbs) ³	Allowable Point Load (lbs) ⁴	Point Load at Yield (lbs) ⁵
4' X 4'	75	288	529	883
4' X 6'	50	128	352	589

SGX ACCESSORIES

SGXIB4W 	SGXIB3W 	SGXIBC 	SGXSHS 
SGXACLW ⁶ 	SGXACB 	SGXACHC1 	SGXDCCA ⁷ 

PHYSICAL DATA/ FOOTNOTES

Product Literature and Samples

Data Sheet: CG391686
Install Guide: CG391692
Submittal Sample: 912080

Material

6005 T5 aluminum body

Notes

- Allowable load assumes point loads spaced min 4ft centers on section suspended between hangers on a 4' x 4' system or 6ft centers on a 4' x 6' system.
- Maximum safe working uniform load** - This value is the max area per hanger divided into the max load safe capacity of the hardware, in this case 1,200 lbs.
- Point load at L/360** - This is the predicted load at deflection of length, in inches, divided by 360. Deflection limit is 0.133" @ L=48" and 0.20" @ L=72".
- Allowable point load** - Recommended max load with a factor of safety of 1.67 applied from material yield.
- Point load at yield** - Predicted load, in lbs., when material starts to yield and further deformation will be no longer elastic.
- Maximum static point load at turnbuckle, 1,200 lbs. or 75 lbs./sq. ft. for a 4' x 4' system.
- Maximum allowable static load for data center clip assembly installed with 4 bolts exceeds the allowable point load of the grid.

Notice

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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

