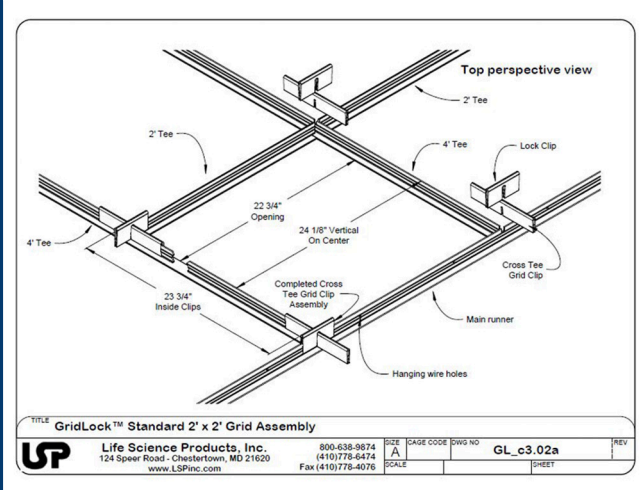




GridLock™

FiberGlass Grid Clean Room Ceiling Grid



Life Science Products

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**GridLock™ Fiberglass
Suspended Ceiling System**
*Extruded Fiberglass will not
Corrode, Peel or Rust.*
**The Suspended Ceiling
Grid Designed for the
Pharma and BioMedical
Clean Room Industry**



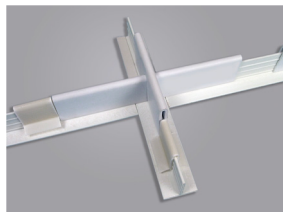
GridLock™ Fiberglass Suspended Grid Features:

- Does Not Corrode or Rust
- Strong, Lightweight, and Rigid
- Impervious to Moisture
- Class "A" (1) Fire Rated
- Designed to incorporate panel and grid "Hold Down" Clips. Panel and Grid is Reinforced from above the grid to allow room side pressure washing.
- White color is Homogenous through-out the grid. No paint to blister or peel like metal grid systems.
- Does Not conduct heat or electricity.
- Does Not promote the growth of Mold or Bacteria.
- Ideal for Trace Metal Labs
- Made in the USA

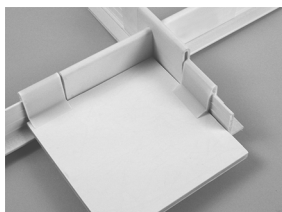
GridLock™ Fiberglass Ceiling Grid Suspended Grid General Description:

GridLock™ Ceiling Suspension System is part of the LSP BioContainment and Pharma Clean Room product line. The grid is an extruded fiberglass composite that forms a strong and rigid suspension system. The system is composed of main runners (12' long x 1-3/8" wide and 1-3/8" high) and cross members (2' or 4' long x 1-3/8" wide and 1-3/8" high) in an inverted (T) tee configuration. Wall angles are 8' x 1-1/2" wide and 1-1/2" high. Cross members are secured in place at their intersection with a series of locking clips. The locking intersections are generally centered at 2' x 2' or 2' x 4' but can be customized to accommodate occasional odd sizes. The grid can be fitted with an optional gasket to allow panels to be sealed to the grid. The panels can be locked in place from above or below with specially manufactured panel "Hold Down Clips" or room side panel "Toggle Clips". The "Toggle Clips" allow for selected access (SA) to the interstitial space. The Gridlock™ installation is ideal for use in facilities where cleaning and disinfecting are critical. The surfaces are dense, stain resistant, chemical resistant and impervious to water. The system will not deteriorate or rust from continued exposure to water and chemicals. The extruded white FRP grid will not rot, corrode, or peel as the color is homogeneous throughout. The GridLock™ Suspended System is offered in two configurations; Selected Access (SA) and Drop In (DI). Each of these configurations is offered in either 2' x 2' or 2' x 4'. For the DI configuration panels are simply dropped into the grid space provided. In the SA design all grid openings are gasketed and panels are installed with lock down clips from above or toggle clips from below to allow access.

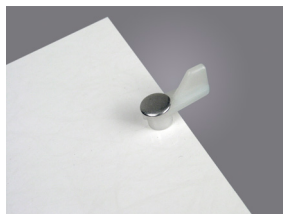
NOTE: Rail frame is NOT designed to carry weight of lights, diffusers, HVAC equipment, ductwork or any equipment. Such equipment Must be Supported Independently.



Cross Tee and Clips



Panel w/ Hold Down Clips



Toggle Clips

Gridlock™ Grid Physical Properties:

Color: White

Finish: Flat

Fire Rating: Class 1 ASTM E 84 (actual test flame spread of 5 and smoke developed of 65)

Beam Strength: 3-point bend test; failure @ 110 pounds in middle of 4' span.

Tensile Strength: Pull apart with riveted splice clips 670 pounds force with 5 degree deflection.

Compressive Strength: Main Runner Junction with Riveted splice clip; 3400 pounds

Cross tee junction: 1000 pounds

Deflection: ASTM C 635: .0133" for 9.1 pounds per linear foot

Pull Out Test: 0.15" hole, 0.58 from top of web, 45 degree angle pull; 350 pounds 0.125" hole, 0.875" from top of web, 45 degree angle pull; 580 pounds

Technical Data

	Length	Width	Height
Main Runner	12' (3658mm)	1 3/8" (34.9mm)	1 3/8" (34.9mm)
Cross Tee	4' (1219mm)	1 3/8" (34.9mm)	1 3/8" (34.9mm)
Cross Tee	2' (609mm)	1 3/8" (34.9mm)	1 3/8" (34.9mm)
Wall Angle	8' (2438 mm)	1 1/2" (38.1mm)	1 1/2" (38.1mm)

Light Fixtures - Surface Mount/Drop-In:

An independent support clip is available for surface mounting. Drop-in fixtures with hinged doors should be compatible with GridLock's net opening of 22.75" X 46.87" or 22.75" X 22.75" for a 2X4 or 2X2 pattern respectively. Many brands of light can accommodate this requirement. A special cross tee is available that will increase the net opening between 2 cross tees to 23".

Triple Holding

Power: GridLock's design includes male-female ridges in the grids and clips. This gives a secure installation, making pop rivets necessary only for the more demanding applications.

Assembly Clips:

- Splice Clip for joining runners and grid end supports
- Cross tee clip for assembling cross tees to system
- Lock Clip Panel hold down clips
- Wall Clips

Life Science Products have been in demand by these and other highly respected institutions:

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Emory University | F.D.A. | Harvard University | M.D. Anderson | NIH | Novartis | Northwestern University
Ohio State U. | Pfizer | Princeton University | Regeneron | University of North Carolina | Yale University