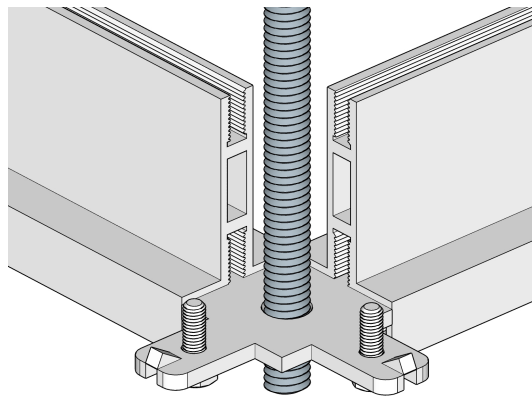
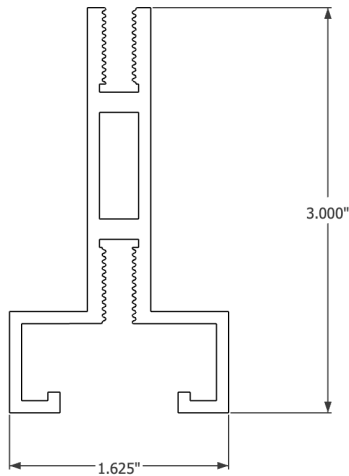




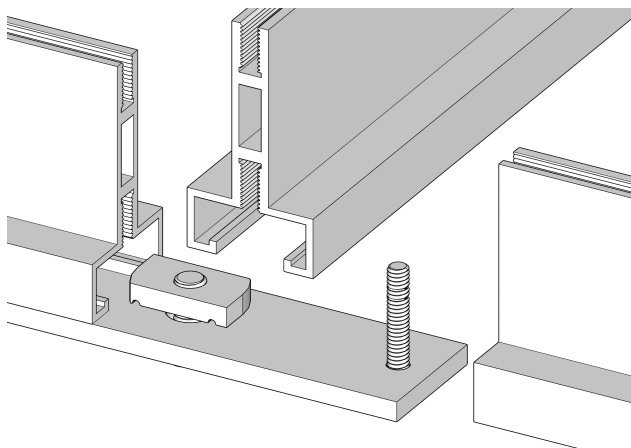
PICS Global Structural Ceiling Grid

Data Sheet

December 17, 2022



4-Way Connection



Exploded 3-Hole Cross Tee Connection

PICS SPECIFICATIONS

- Architectural structural data center ceiling grid made of aluminum with a 1-5/8" continuous bottom channel slot.
- Typical configuration is 4'x4' grid with 47.5"x47.5" opaque twin-wall polycarbonate tiles.
- Holds 1/2" and 3/8" threaded rods with off-the-shelf strut nuts.
- Capable of supporting power bus bar, light fixtures, cable trays, aisle containment partitions, and other infrastructure.
- System Weight
 - 2'x4' grid: 0.89 lbs/ft²
 - 4'x4' grid: 0.59 lbs/ft²
- Grid can be configured to 24.0"/48.0" On Center, or to 24.5"/48.5" On Center to accommodate standard sized ceiling tiles and light fixtures.

MAIN EXTRUSION

- H 3.00" x BTM 1.625" x TOP 0.47"
- 6063-T6 Anodized Aluminum
- 1-5/8 channel slot runs continuously along bottom
- Ceiling Tiles & Lights (available by Polargy)
- Threaded Rod Connection to Building (supplied by others)

CONNECTORS

- 4-Way for Mains
- 3-Hole Cross Tee Connectors
- Galvanized steel at 0.25" thick
- 4-Ways connected to grid members with (4) 1/4-20 x 3/4" Hex Head Machine Bolts
- 3-Hole Crosses connected to grid members with two 1/4-20x1.5" Hex Head Machine Bolts, one 3/8-16 Strut Nut, and one 3/8-16x3/4" Bolt



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PERFORMANCE CRITERIA

Structural Engineering Method				
On Center Spacing of Support Rods	Uniform Load lbs/sq ft	Deflection At Point Load		Max. Point Load lbs
4' x 4'	67	0.16"	L/305	465
4' x 6'	33	0.36"	L/188	375

Simplified Math Method			
On Center Spacing of Support Rods	Uniform Load lbs/sq ft	Max. Allowable Deflection ¹	Max. Point Load lbs
4'	225	L/180	800
5'	144	L/180	500
6'	100	L/180	400
7'	73	L/180	250
8'	56	L/180	150

Load capacities are expressed two ways in order to allow proper comparisons based on the type calculation method used.

The first type of calculation uses the Structural Engineering Method which considers the system's Allowable Moments of the Controlling Members. These load capacities are the ones that structural engineers will use for their work and should be used for determine safe working loads.

The second type of calculation uses a Simplified Math Method which expresses capacities based on allocating a 1600 lb. turnbuckle capacity across a designated square footage area. This second method is not recommended for determining safe working loads.

¹ Aesthetic standard