



UNISTRUT
MIDWEST

Unistrut Ceiling Grids

Checklist for determining the proper channel for your grid.

With years of experience designing ceiling grids for our clients, our team has a go-to list of questions to help get you started.

- What type of structure will the grid be hanging from?**
Web joists, I-beams, a concrete deck, etc.
- How far below the structure will the grid hang?**
This helps us determine which rod drops will be used
- How much weight will the overall grid need to support?**
Channel load rating is a crucial consideration
- What will the grid be supporting?**
Beyond just weight, knowing what is being supported and how it will be used helps narrow down channel choices
- Have you determined the proper deduction factor for your conditions?**
The table on page 18 of our General Engineering Catalog can be used to calculate the point load deduction
- Have you considered the general beam loading for your channel options?**
Page 25 of our General Engineering Catalog has the general beam loading for our most commonly used channels, including deductions for slotted and punched versions
- Will this be an unbraced application?**
Check out page 62 of our General Engineering Catalog, which has a table that provides the reduction factors when the channel is not laterally braced
- Is there a desired layout of the items the grid will be supporting?**
How much customization and flexibility of layout will be needed?
- Is there a particular finish preferred for the grid?**
Pre-galvanized, painted, aluminum, etc.
- What is the preferred connection of what you intend to hang from the Unistrut channel?**
Threaded rod, cable, fittings, or something else?
- Does the grid need to be rated for seismic?**
- Any other considerations or details that should be taken into account?**

