



8 SPACE (1/2") STEEL GRATING LOAD TABLE

When considering spans and loads for any type of steel grating, be sure to use this handy table.8-W-4,8-W-2,8-SL-4,8-SL-2,8-DT-4,8-DT-2

Main table with columns: Bearing Bar Size (inches), Approx. Weight psf\*, Max. Ped. Span\*\*, Sec. Prop.\*\*\*, and Unsupported Span (2'-0 to 9'-0). Includes various load capacity data points and notes on theoretical vs. actual capacity.

\*Weight per square foot based upon 8-W-4 grating. Add .60 psf for 2" on center cross bars. \*\* Maximum pedestrian load is defined as a 100# uniform load with deflection <= 1/4 inch. (The 1/4" maximum deflection criteria is considered consistent with pedestrian comfort, but may be exceeded for other loading conditions at the discretion of the specifying authority) \*\*\* Section properties per foot of width.

Note: When gratings with serrated surface are specified, the depth of the grating required for a specific load will be 1/4" greater than that shown in these tables.

PANEL WIDTHS

Grating panels are available from stock in nominal 24" and 36" widths. When considering alternative widths, consult this table to select widths that will maintain uniform "out-to-out" spacing of the bearing bars. Specified widths deviating from this table will be fabricated to size with side banding and the bar spacing on one side of the finished panel will vary from the spacing throughout the remainder of the panel.

Table showing panel widths for different numbers of bearing bars (2 to 16) and corresponding panel widths (e.g., 11-1/16", 13-1/16", etc.).

Panel widths indicated are for gratings with 3/16" thick bearing bars. For 1/8" thick bearing bars deduct 1/16" from the stated values. Indicates stock panel widths.