

How Much Weight Can Unistrut Hold?

A high-level reference chart to calculating the weight Unistrut channels can hold.

| Channel | Min Allowable Uniform Load <i>lbs per 240" span</i> | Max Allowable Uniform Load <i>lbs per 24" span</i> | Min Deflection at Uniform Load <i>in per 24" span</i> | Max Deflection at Uniform Load <i>in per 240" span</i> | Channel Weight <i>lb/ft</i> |
|--------------|--|---|--|---|--------------------------------|
| P1000 | 170 lbs | 1690 lbs | 0.06 in | 5.62 in | 1.89 lbs/ft |
| P1001 | 480 lbs | 3500 lbs* | 0.02 in | 3.16 in | 3.78 lbs/ft |
| P3300 | 120 lbs | 600 lbs | 0.10 in | 2.48 in | 1.34 lbs/ft |
| P3301 | 280 lbs | 1690 lbs | 0.06 in | 2.09 in | 2.69 lbs/ft |
| P4100 | 50 lbs | 450 lbs | 0.11 in | 11.85 in | .98 lbs/ft |
| P4101 | 120 lbs | 1090 lbs* | 0.06 in | 6.28 in | 1.97 lbs/ft |
| P5000 | 530 lbs | 5260 lbs | 0.03 in | 2.95 in | 3.05 lbs/ft |
| P5001 | 1610 lbs | 6890 lbs* | 0.01 in | 1.58 in | 6.10 lbs/ft |
| P5500 | 330 lbs | 3270 lbs | 0.04 in | 3.86 in | 2.47 lbs/ft |
| P5501 | 960 lbs | 5220 lbs* | 0.01 in | 2.09 in | 4.94 lbs/ft |

These standard details are not site specific, and need to be reviewed by a qualified professional once actual loading and site conditions have been determined. Unistrut Midwest is not responsible for any misuse of any information or details presented.

**Load limited by spot weld shear*

For a step-by-step guide to calculating the weight a specific profile of Unistrut channel can hold refer to [How Much Weight Can Unistrut Hold](#) or contact our team today.

