


| SPAN | LOAD | POUNDS PER SQUARE FOOT | | | | | | | | | | | | | SAFE LOAD |
|------|------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| | | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 750 | 1000 | 2000 | 3000 | 4000 | |
| 12" | ΔU | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.008 | 0.010 | 0.014 | 0.019 | 0.039 | 0.048 | 0.058 | 11546 |
| | ΔC | 0.002 | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.012 | 0.015 | 0.023 | 0.031 | 0.062 | 0.077 | 0.093 | 5773 |
| 18" | ΔU | 0.004 | 0.009 | 0.013 | 0.018 | 0.022 | 0.027 | 0.036 | 0.044 | 0.067 | 0.089 | 0.178 | 0.222 | 0.267 | 5131 |
| | ΔC | 0.005 | 0.009 | 0.014 | 0.019 | 0.024 | 0.028 | 0.038 | 0.047 | 0.071 | 0.095 | 0.190 | 0.237 | 0.284 | 3849 |
| 24" | ΔU | 0.013 | 0.027 | 0.040 | 0.053 | 0.066 | 0.080 | 0.106 | 0.133 | 0.199 | 0.265 | 0.531 | -- | -- | 2886 |
| | ΔC | 0.011 | 0.021 | 0.032 | 0.042 | 0.053 | 0.064 | 0.085 | 0.106 | 0.159 | 0.212 | 0.425 | 0.531 | -- | 2886 |
| 30" | ΔU | 0.031 | 0.062 | 0.092 | 0.123 | 0.154 | 0.185 | 0.246 | 0.308 | 0.462 | 0.615 | -- | -- | -- | 1830 |
| | ΔC | 0.020 | 0.039 | 0.059 | 0.079 | 0.098 | 0.118 | 0.158 | 0.197 | 0.295 | 0.394 | -- | -- | -- | 2288 |
| 36" | ΔU | 0.062 | 0.124 | 0.186 | 0.248 | 0.310 | 0.372 | 0.496 | 0.620 | -- | -- | -- | -- | -- | 1251 |
| | ΔC | 0.033 | 0.066 | 0.099 | 0.132 | 0.165 | 0.198 | 0.264 | 0.330 | 0.496 | -- | -- | -- | -- | 1877 |
| 42" | ΔU | 0.110 | 0.220 | 0.331 | 0.441 | 0.551 | -- | -- | -- | -- | -- | -- | -- | -- | 901 |
| | ΔC | 0.050 | 0.101 | 0.151 | 0.202 | 0.252 | 0.302 | 0.403 | 0.504 | -- | -- | -- | -- | -- | 1576 |
| 48" | ΔU | 0.185 | 0.369 | 0.554 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 676 |
| | ΔC | 0.074 | 0.148 | 0.222 | 0.295 | 0.369 | 0.443 | 0.591 | -- | -- | -- | -- | -- | -- | 1351 |

ΔU - Deflection Under Uniform Load

ΔC - Deflection Under Concentrated Load

- Safe load values have a safety factor of 2:1.
 - Technical information provided is theoretical and for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.
-  ADA-Compliant product when direction of bearing bars (span) installed perpendicular to the dominant direction of travel.

