

Table Notes

1. Inside bend radius taken as $\frac{3}{32}$ ".
2. See page 5 for additional table notes.

| U-Channel Section Properties | | | | | | | | | | | | |
|------------------------------|-------------------------|-----------------------------|----------------------------|-------------------|--------------------------------------|------------------------|--------------------------------------|------------------------|--------------------------------------|--------------------------------------|--------------|------------|
| Section | F _y (ksi) | Design Thickness (in) | Gross Properties | | | | | Effective Properties | | | | |
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | I _x (in ⁴) | S _x (in ³) | Ma (in-k) | Va (lb) |
| 75U050-54 | 33 | 0.0566 | 0.087 | 0.30 | 0.007 | 0.288 | 0.002 | 0.155 | 0.007 | 0.019 | 0.45 | 315 |
| 150U050-54 | 33 | 0.0566 | 0.129 | 0.44 | 0.039 | 0.547 | 0.003 | 0.144 | 0.039 | 0.052 | 1.22 | 840 |
| 200U050-54 | 33 | 0.0566 | 0.157 | 0.54 | 0.079 | 0.709 | 0.003 | 0.136 | 0.079 | 0.079 | 1.87 | 1190 |
| 250U050-54 | 33 | 0.0566 | 0.186 | 0.63 | 0.139 | 0.866 | 0.003 | 0.128 | 0.139 | 0.111 | 2.64 | 1540 |

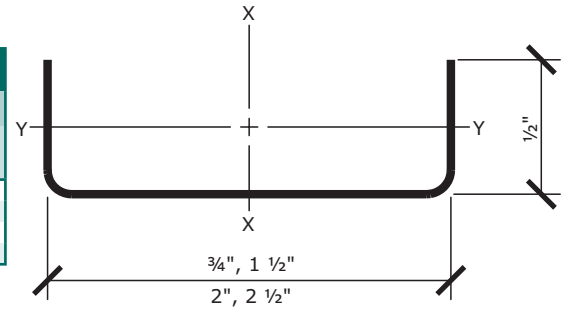


Table Notes

1. Multiple span indicates two or more equal spans with channel continuous over interior supports.
2. Listed spans are based on unbraced compression flanges.
3. Web crippling check is based on $\frac{3}{4}$ " bearing at end and interior supports. No bearing stiffeners are required.
4. See page 5 for additional table notes.

| Allowable Ceiling Spans (U-Sections) - L/240 | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|----------|--------------------------------|--------|--------|--------|--------|--------------------------------|--------|--------|--------|--------|--------------------------------|-------|-------|--------|--------|--------------------------------|-------|--------|--------|--------|
| Section | F _y (ksi) | Spans | 4 psf | | | | | 6 psf | | | | | 13 psf * | | | | | 15 psf * | | | | |
| | | | Channel Spacing (in) on center | | | | | Channel Spacing (in) on center | | | | | Channel Spacing (in) on center | | | | | Channel Spacing (in) on center | | | | |
| | | | 24 | 36 | 48 | 60 | 72 | 24 | 36 | 48 | 60 | 72 | 24 | 36 | 48 | 60 | 72 | 24 | 36 | 48 | 60 | 72 |
| 75U050-54 | 33 | Single | 3' 11" | 3' 5" | 3' 1" | 2' 10" | 2' 8" | 3' 5" | 3' 0" | 2' 8" | 2' 6" | 2' 4" | 2' 7" | 2' 4" | 2' 1" | 1' 11" | 1' 9" | 2' 6" | 2' 2" | 2' 0" | 1' 10" | 1' 8" |
| | | Multiple | 4' 10" | 4' 2" | 3' 10" | 3' 7" | 3' 4" | 4' 2" | 3' 8" | 3' 4" | 3' 1" | 2' 10" | 3' 3" | 2' 9" | 2' 4" | 2' 1" | 1' 11" | 3' 1" | 2' 7" | 2' 2" | 2' 0" | 1' 9" |
| 150U050-54 | 33 | Single | 5' 6" | 4' 10" | 4' 5" | 4' 1" | 3' 10" | 4' 10" | 4' 3" | 3' 10" | 3' 7" | 3' 5" | 3' 9" | 3' 3" | 3' 0" | 2' 9" | 2' 7" | 3' 7" | 3' 2" | 2' 10" | 2' 7" | 2' 5" |
| | | Multiple | 7' 1" | 6' 2" | 5' 8" | 5' 3" | 4' 11" | 6' 2" | 5' 5" | 4' 11" | 4' 7" | 4' 4" | 4' 10" | 4' 2" | 3' 9" | 3' 4" | 3' 0" | 4' 7" | 4' 0" | 3' 6" | 3' 1" | 2' 9" |
| 200U050-54 | 33 | Single | 5' 10" | 5' 1" | 4' 8" | 4' 4" | 4' 1" | 5' 1" | 4' 6" | 4' 1" | 3' 10" | 3' 7" | 4' 0" | 3' 6" | 3' 2" | 3' 0" | 2' 10" | 3' 10" | 3' 4" | 3' 1" | 2' 10" | 2' 8" |
| | | Multiple | 7' 5" | 6' 6" | 5' 11" | 5' 6" | 5' 2" | 6' 6" | 5' 8" | 5' 2" | 4' 10" | 4' 7" | 5' 1" | 4' 5" | 4' 0" | 3' 9" | 3' 6" | 4' 10" | 4' 3" | 3' 10" | 3' 7" | 3' 2" |
| 250U050-54 | 33 | Single | 6' 1" | 5' 4" | 4' 10" | 4' 6" | 4' 3" | 5' 4" | 4' 8" | 4' 3" | 4' 0" | 3' 9" | 4' 2" | 3' 8" | 3' 4" | 3' 1" | 2' 11" | 4' 0" | 3' 6" | 3' 2" | 3' 0" | 2' 10" |
| | | Multiple | 7' 9" | 6' 9" | 6' 2" | 5' 9" | 5' 5" | 6' 9" | 5' 11" | 5' 5" | 5' 0" | 4' 9" | 5' 3" | 4' 7" | 4' 3" | 3' 11" | 3' 9" | 5' 0" | 4' 5" | 4' 0" | 3' 9" | 3' 7" |

*Loads that exceed 10 psf limit require an approved CP60 coating.

| Allowable Ceiling Spans (U-Sections) - L/360 | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|----------|------------------------|--------|--------|-------|--------|------------------------|--------|--------|--------|-------|------------------------|-------|--------|--------|--------|------------------------|--------|--------|--------|--------|
| Section | F _y (ksi) | Spans | 4 psf | | | | | 6 psf | | | | | 13 psf * | | | | | 15 psf * | | | | |
| | | | Spacing (in) on center | | | | | Spacing (in) on center | | | | | Spacing (in) on center | | | | | Spacing (in) on center | | | | |
| | | | 24 | 36 | 48 | 60 | 72 | 24 | 36 | 48 | 60 | 72 | 24 | 36 | 48 | 60 | 72 | 24 | 36 | 48 | 60 | 72 |
| 75U050-54 | 33 | Single | 3' 5" | 3' 0" | 2' 8" | 2' 6" | 2' 4" | 3' 0" | 2' 7" | 2' 4" | 2' 2" | 2' 1" | 2' 4" | 2' 0" | 1' 10" | 1' 8" | 1' 7" | 2' 2" | 1' 11" | 1' 9" | 1' 7" | 1' 6" |
| | | Multiple | 4' 2" | 3' 8" | 3' 4" | 3' 1" | 2' 11" | 3' 8" | 3' 2" | 2' 11" | 2' 8" | 2' 7" | 2' 10" | 2' 6" | 2' 3" | 2' 1" | 1' 11" | 2' 8" | 2' 4" | 2' 2" | 2' 0" | 1' 9" |
| 150U050-54 | 33 | Single | 5' 6" | 4' 10" | 4' 5" | 4' 1" | 3' 10" | 4' 10" | 4' 3" | 3' 10" | 3' 7" | 3' 5" | 3' 9" | 3' 3" | 3' 0" | 2' 9" | 2' 7" | 3' 7" | 3' 2" | 2' 10" | 2' 7" | 2' 5" |
| | | Multiple | 7' 1" | 6' 2" | 5' 8" | 5' 3" | 4' 11" | 6' 2" | 5' 5" | 4' 11" | 4' 7" | 4' 4" | 4' 10" | 4' 2" | 3' 9" | 3' 4" | 3' 0" | 4' 7" | 4' 0" | 3' 6" | 3' 1" | 2' 9" |
| 200U050-54 | 33 | Single | 5' 10" | 5' 1" | 4' 8" | 4' 4" | 4' 1" | 5' 1" | 4' 6" | 4' 1" | 3' 10" | 3' 7" | 4' 0" | 3' 6" | 3' 2" | 3' 0" | 2' 10" | 3' 10" | 3' 4" | 3' 1" | 2' 10" | 2' 8" |
| | | Multiple | 7' 5" | 6' 6" | 5' 11" | 5' 6" | 5' 2" | 6' 6" | 5' 8" | 5' 2" | 4' 10" | 4' 7" | 5' 1" | 4' 5" | 4' 0" | 3' 9" | 3' 6" | 4' 10" | 4' 3" | 3' 10" | 3' 7" | 3' 2" |
| 250U050-54 | 33 | Single | 6' 1" | 5' 4" | 4' 10" | 4' 6" | 4' 3" | 5' 4" | 4' 8" | 4' 3" | 4' 0" | 3' 9" | 4' 2" | 3' 8" | 3' 4" | 3' 1" | 2' 11" | 4' 0" | 3' 6" | 3' 2" | 3' 0" | 2' 10" |
| | | Multiple | 7' 9" | 6' 9" | 6' 2" | 5' 9" | 5' 5" | 6' 9" | 5' 11" | 5' 5" | 5' 0" | 4' 9" | 5' 3" | 4' 7" | 4' 3" | 3' 11" | 3' 9" | 5' 0" | 4' 5" | 4' 0" | 3' 9" | 3' 7" |

*Loads that exceed 10 psf limit require an approved CP60 coating.