

SOLARMOUNT RAIL SPANS

TB-2020-015 | Rev: 2020-06-04

Longer Attachment Spans for Solarmount System

Unirac is committed to bringing the best products to our valued customers. Recent collaborations with third-party engineering firms and research institutions have resulted in optimized engineering of the Solarmount product line. As a result, we are now able to bring our customers even better spans in all wind and snow conditions (see table below). This update maintains the exact same product form factor, install experience, and accessory compatibility, and does not require any additional training for installers. This means the results of this investment come completely as an added value to our customers. We will continue to push the bounds to provide the best system performance while maintaining our industry-best 25-year warranty.

Span Table

The table provides guide on span for each rail. Below table is based on ASCE-7-16, Non-Exposed, Roof Zone 1, 2e, Exposure B and Mean Building Height of 30ft. For more precise design specifications refer to the detailed span tables.

| Load | | Rail Span | | | | | | | | | | | | | |
|------------|------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--|
| Snow (psf) | Wind Speed (mph) | 16 in | 24 in | 32 in | 36 in | 48 in | 60 in | 64 in | 72 in | 80 in | 96 in | 112 in | 120 in | 144 in | |
| 0 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |
| 10 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |
| 20 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |
| 30 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |
| 40 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |
| 50 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |
| 60 | 90 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 110 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 130 | SMLT | | | | | | SM | | SMHD | | | | | |
| | 160 | SMLT | | | | | | SM | | SMHD | | | | | |

*Table is meant to be a simplified span chart for conveying general rail capabilities. Use approved certification letters for actual design guidance