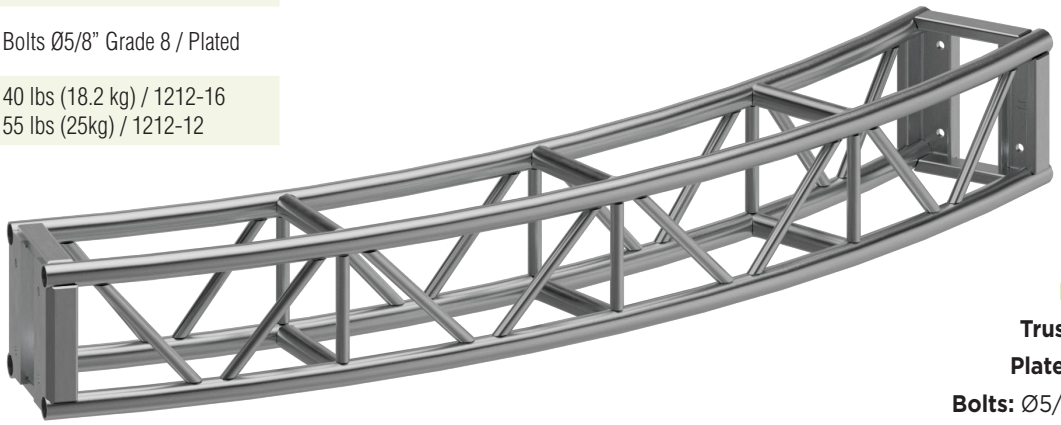
| | |
|---|---|
| MAIN CHORDS | 1.9" OD x 0.145" -> REF.9_145 |
| DIAGONALS | 1" OD x 0.125" |
| CONNECTION STYLE | Bolts Ø5/8" Grade 8 / Plated |
| WEIGHT PER SECTION | 40 lbs (18.2 kg) / 1212-16<br>55 lbs (25kg) / 1212-12 |

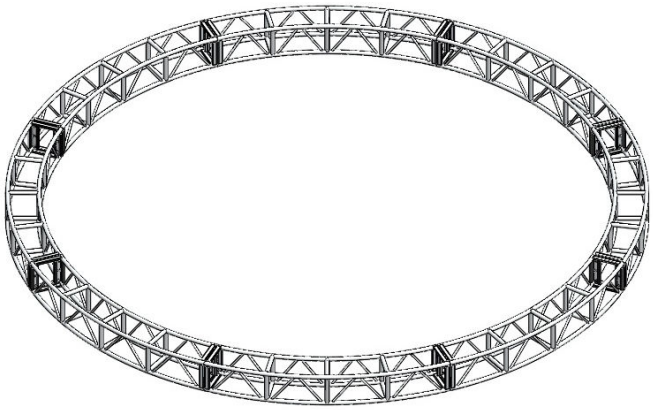


**MATERIAL**

**Truss:** 6061-T6

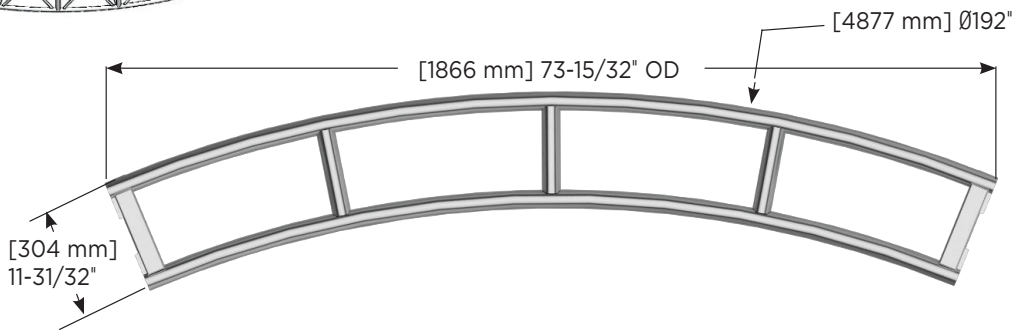
**Plates:** 6061-T6

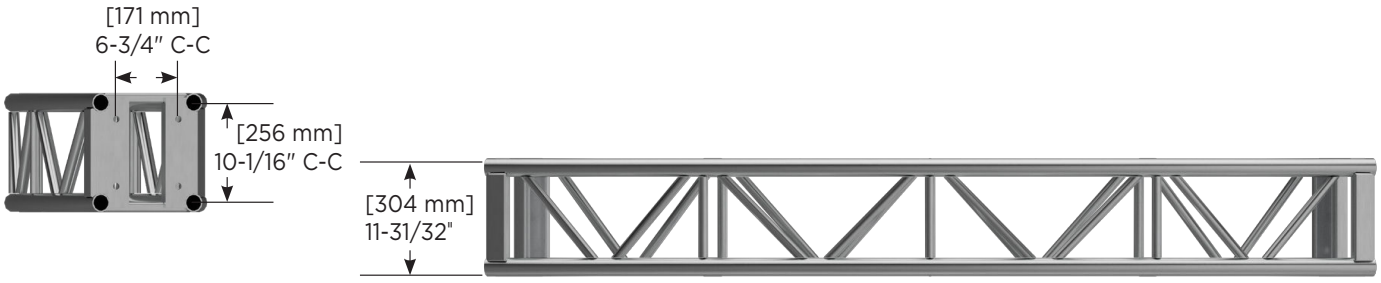
**Bolts:** Ø5/8" Grade 8



RECOMMENDED TORQUE VALUES
Temporary installation: 80-100 ft-lb
Permanent installation: 130-150 ft-lb

**Measures: 1212-16**




MANUFACTURED BY CERTIFIED WELDERS

## OPTIONS AVAILABLE:

### TIRS-1212-08

### TIRS-1212-12

#### ALLOWABLE LOAD TABLE




| Rigging Points | Uniformly Distributed Load: Load Capacity | | | | Uniformly Distributed Load: Deflection | | Center Point: Load Capacity | | Center Point: Deflection | |
|---|---|---|---|---|---|---|---|---|---|---|
| | lb/ft | (kg/m) | lb | (kg) | in | (mm) | lb | (kg) | in | (mm) |
| 4 | 122 | (182) | 4600 | (2087) | 0,06 | (1.6) | 1200 | (545) | 0,18 | (4.6) |
| 3 | 64 | (95) | 2400 | (1089) | 0,13 | (3.3) | 750 | (341) | 0,38 | (9.7) |

Load per applied point

### TIRS-1212-16

#### ALLOWABLE LOAD TABLE




| Rigging Points | Uniformly Distributed Load: Load Capacity | | | | Uniformly Distributed Load: Deflection | | Center Point: Load Capacity | | Center Point: Deflection | |
|---|---|---|---|---|---|---|---|---|---|---|
| | lb/ft | (kg/m) | lb | (kg) | in | (mm) | lb | (kg) | in | (mm) |
| 4 | 131 | (196) | 4950 | (2246) | 0,13 | (3.4) | 830 | (377) | 0,18 | (4.6) |
| 3 | 64 | (95) | 2400 | (1089) | 0,48 | (12.3) | 600 | (273) | 0,80 | (20.2) |

Load per applied point

### TIRS-1212-24

### TIRS-1212-32

### TIRS-1212-40

MANUFACTURED BY CERTIFIED WELDERS

## NOTES

- Capacities shown in this table are valid for structures manufactured after January 2020.
- Trusses must be loaded uniformly on both sides of their longitudinal axis.
- Loads must be applied to or as close as possible to the nodes of the trusses.
- Deflection of truss is theoretical and based solely on their rigidity. It therefore does not take into account the possible movement between the truss sections due to the tolerance of the pins/bolts.
- Data are valid for indoor use only.
- Trusses are hung from the top chord only.
- Data are valid only for static loads and span, with two support points (one at each end).
  - If dynamic loads or more attachment points are needed, contact **Therio Innovation**.
- All rigging points must be equidistant.