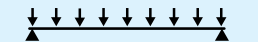
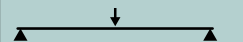
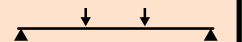
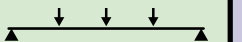
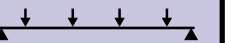


## ModTruss 3" x 3" Extrusion *(Without Splice)* Load Table

*Revised 3/27/19*

| Extrusion Span<br>Feet<br>(Meters) | Uniformly Distributed Load  |                              | Center Point Load   |                              | Third Point Load<br><small>Total Load = Point Load x 2</small>                     |                              | Quarter Point Load<br><small>Total Load = Point Load x 3</small>                    |                              | Fifth Point Load<br><small>Total Load = Point Load x 4</small>                      |                              |
|------------------------------------|---|------------------------------|---|------------------------------|--|------------------------------|---|------------------------------|---|------------------------------|
|                                    |  |                              |  |                              |  |                              |  |                              |  |                              |
|                                    | Total Load<br>Pounds UDL<br>(kgs)   | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)   | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)  | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)   | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)   | Deflection<br>Inches<br>(mm) |
| 5 (1.524)                          | 3,525<br><i>(1,598.91)</i>  | 0.330<br><i>(8.38)</i>       | 2,182<br><i>(989.73)</i>  | 0.330<br><i>(8.38)</i>       | 1,266<br><i>(574.24)</i>   | 0.330<br><i>(8.38)</i>       | 916<br><i>(415.49)</i>  | 0.330<br><i>(8.38)</i>       | 727<br><i>(329.76)</i>  | 0.330<br><i>(8.38)</i>       |
| 10 (3.048)                         | 850<br><i>(385.55)</i>  | 0.670<br><i>(17.01)</i>      | 526<br><i>(238.59)</i>  | 0.670<br><i>(17.01)</i>      | 305<br><i>(138.34)</i>   | 0.660<br><i>(16.76)</i>      | 221<br><i>(100.24)</i>  | 0.670<br><i>(17.01)</i>      | 175<br><i>(79.37)</i>   | 0.670<br><i>(17.01)</i>      |
| 15 (4.572)                         | 345<br><i>(156.48)</i>  | 1.000<br><i>(25.4)</i>       | 210<br><i>(95.25)</i>   | 1.000<br><i>(25.4)</i>       | 122<br><i>(55.33)</i>  | 1.000<br><i>(25.4)</i>       | 88<br><i>(39.91)</i>  | 1.000<br><i>(25.4)</i>       | 70<br><i>(31.75)</i>  | 1.000<br><i>(25.4)</i>       |
| 20 (6.096)                         | 140<br><i>(63.50)</i>   | 1.340<br><i>(34.03)</i>      | 92<br><i>(41.73)</i>  | 1.330<br><i>(33.78)</i>      | 53<br><i>(24.04)</i>   | 1.330<br><i>(33.78)</i>      | 39<br><i>(17.69)</i>  | 1.330<br><i>(33.78)</i>      | 31<br><i>(14.06)</i>  | 1.330<br><i>(33.78)</i>      |

Information extracted from the structural report by Clark Reder Engineering | 10091 Mosteller Lane | West Chester OH 45069 | Ph 513-851-1223 | Date: 11/10/2017 | CRE Project No. 17.419.07 | Drawn by: JMR/DDL | S1.1

### 3" x 3" Extrusion (unbraced length) Column Load Capacity

|                   |                         |
|-------------------|-------------------------|
| 10' (3.04 meters) | 9,450 lbs (4,286.44 kg) |
| 20' (6.09 meters) | 2,340 lbs (1,061.40 kg) |
| 30' (9.14 meters) | 1,080 lbs (489.87 kg)   |

All columns are assumed to be pinned top and bottom and use an Effective Length Factor of K=1.0.

All capacities assume that no other shear, flexure, or torsional forces are applied to the column.

Information extracted from the structural report by Clark Reder Engineering  
Date: 02/22/2019 | CRE Project No. 19.419.05  
Engineer: DJP

## KEY FEATURES

- T-Slot combined within a structural beam
- 4 available Keyway (aka Kedar Track or Screw-boss)
- Compatible with all ModTruss products
- Continuous length up to 40'
- 4 available T-Slots

