### MINIMUM SPACING BETWEEN AXLES WITHIN GROUPS & BETWEEN TWO SIMILAR GROUPS

<table>
<thead>
<tr>
<th>Maximum Group Weights (x 1000 lbs)</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
<th><strong>SINGLE AXLE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>20 20 20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TWO AXLE GROUPS - TANDEM**

| 40 40 40 | 40 40 40 | 8' 8' |
| 48 60 60 | 50 60 60 |       |

**THREE AXLE GROUPS - TRIDEM [23’ for ‘A’ & ‘B’; 20’ for ‘C’]**

| 52 62 72 | 4' 4' 8' 8' 4' 4' |
| 54 70 78 | 4' 4' 8' 4' 8' 4' |
| 58 74 80 | 4' 12' 4' 4' 12' 4' |

**FOUR AXLE GROUPS – QUAD [25’]**

| 60 76 84* | 4' 8' 4' 4' 4' 8' 4' 4' |

**FIVE AXLE GROUPS [35’]**

**NOTE:** *The four-axle group may carry 68M maximum, but then the accompanying single axle may not exceed 16M. Likewise, the single axle may carry 20M maximum, but then the four-axle combination may not exceed 64M. **The three-axle group may carry 60M maximum, but then the accompanying two-axle group may not exceed 36M. Likewise, the two-axle group may carry 40M maximum, but then the accompanying three-axle group may not exceed 56M.

| 66 86 96** | 4' 4' 12’ 4’ 12’ 4’ 4’ |

### SIX-AXLE GROUPS [35’] <with equal weight distribution>

**NOTE:** On Six-Axle Groups consisting of two tridems, neither tridem group can exceed 55,000 lbs.

<table>
<thead>
<tr>
<th>'C' WEIGHTS ONLY</th>
<th>98M</th>
<th>94M</th>
<th>110M</th>
<th>100M</th>
<th>120M</th>
</tr>
</thead>
<tbody>
<tr>
<td>4’ 4’ 8’ 8’ 4’ 4’</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4’ 4’ 8’ 11’ 4’ 4’</td>
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<td></td>
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<tr>
<td>4’ 4’ 12’ 4’ 12’ 4’</td>
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Office of Freight & Commercial Vehicle Operations

Oversize & Overweight Permit section
SINGLE TRIP PERMIT MAXIMUM WEIGHTS for TRUE TANDEM GROUPS

* In the tables below, Truck/Trailer axle weights greater than 20M are considered only for true tandem groups with maximum single axle weight limited to 23M.
* A “true tandem” is any two consecutive axles with center-to-center axle spacing of 3'5" to 8'0". In addition, the spacing to another axle adjacent to either axle in the tandem group must be 8'1" or more. If the spacing to an axle adjacent to the tandem group is less than 8'1", that group will be considered either a tridem group or a quad group, and maximum axle weight is limited to 20M per axle for tridem or 18M per axle for quad groups (20M for a spread Quad).
* A “spread tandem” group, as well as a single axle group, is not allowed more than 20M on any one axle.

* The weights shown in the tables below assume 15M on the truck steer axle.

* Each axle in two adjacent 4-axle groups, having a minimum distance of 35’ between them, can carry 23M.
* State Trunk Highway (STH) bridges are pre-checked for "B" and "C" Category overweight loading. If more tandem groups are added to the vehicle combination or axle spacings are shorter than those listed in these tables, a special Bridge Check will have to be done before an OSOW Permit will be issued. Depending on complexity, a Bridge Check can take up to 5 business days, but more often take about 1 business day.

\( \oplus = \text{Center of axle} \)

\( M = 1000 \text{ lbs.} \)

### 4 AXLE GROUPS

(Two adjacent 4-axle groups having a minimum of 35’ distance between the 4-axle groups)

<table>
<thead>
<tr>
<th>'B' Category Weights</th>
<th>'C' Category Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \oplus ) 4'-----( \oplus ) 18'-----( \oplus ) 4'-----</td>
<td>( \oplus ) 4'-----( \oplus ) 14'-----( \oplus ) 4'-----</td>
</tr>
<tr>
<td>( \oplus ) 6'-----( \oplus ) 16'-----( \oplus ) 6'-----</td>
<td>( \oplus ) 6'-----( \oplus ) 10'-----( \oplus ) 6'-----</td>
</tr>
</tbody>
</table>

### Examples of Common Axle Configurations

Showing Minimum Axle Spacing for Maximum Allowable Axle Weights

(Steering Axle Included)

### May Operate with 'B' Category Weight Restrictions

- 15M
- 23M
- 23M
- 23M
- 23M

\( \oplus \) 10'-----\( \oplus \) 4'-----\( \oplus \) 20'-----\( \oplus \) 4'-----

- 15M
- 23M
- 23M
- 20M
- 20M
- 20M

\( \oplus \) 10'-----\( \oplus \) 4'-----\( \oplus \) 23'-----\( \oplus \) 4'-----

- 15M
- 20M
- 20M
- 20M
- 23M
- 23M

\( \oplus \) 10'-----\( \oplus \) 4'-----\( \oplus \) 23'-----\( \oplus \) 4'-----

### 'C' Category Weights ONLY

- 15M
- 20M
- 20M
- 20M
- 23M
- 23M
- 23M
- 23M

\( \oplus \) 10'-----\( \oplus \) 4'-----\( \oplus \) 4'-----\( \oplus \) 18'-----\( \oplus \) 4'-----\( \oplus \) 12'-----\( \oplus \) 4'-----