**Grating Systems Inc.**

**Dimensions are Out-to-Out of Bearing Bars**

**Panel Width Chart (in.) - 11-SGSS-4 & 11-SGSS-2**

<table>
<thead>
<tr>
<th>No. of Bars</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16&quot; Bars</td>
<td>7/8</td>
<td>1-9/16</td>
<td>2-1/4</td>
<td>2-15/16</td>
<td>3-5/8</td>
<td>4-5/16</td>
<td>5</td>
<td>5-11/16</td>
<td>6-3/8</td>
<td>7-1/16</td>
<td>7-3/4</td>
<td>8-7/16</td>
<td>9-1/8</td>
<td>9-3/16</td>
<td>10-1/2</td>
</tr>
<tr>
<td>3/16&quot; Bars</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
</tr>
<tr>
<td>3/16&quot; Bars</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
</tr>
</tbody>
</table>

*Add 1/4" for extended cross bars. Deduct 1/16" for 1/8" bearing bars. Standard panel widths indicated in red.

**ClearSpan**

- **U** - Safe uniform load in pounds/ sq. ft.
- **C** - Safe concentrated load in pounds/ ft. grating width
- **D** - Deflection in inches

**% Open Area**

- **Bars**
  - 1/8" 3/16" 4" cc N/A 67% 2" cc N/A 62%

**Triaxial Stress**

- **%** - Based on 17,455 bars/ft. of grating width. Bearing bars 11/16" c.c. Add 6 lbs./sq. ft. for 11-SGSS-2.
- **3/16" cc**
  - 4" cc N/A 67% 2" cc N/A 62%

**Deflections**

- **U** - Theoretical and are based on a unit stress of 20,000 psi.
- **D** - Calculated based on a unit stress of 20,000 psi.

**Stress Calculations**

- **C** - Calculated based on a unit stress of 20,000 psi.
- **D** - Based on a unit stress of 20,000 psi.

**Open Area**

- **Bars**
  - 1/8" 3/16" 4" cc N/A 67% 2" cc N/A 62%

**Add 1/4" for extended cross bars. Deduct 1/16" for 1/8" bearing bars. Standard panel widths indicated in red.**