EX-61

- Finish = Clear anodized
- Material = 6105-T5 Aluminum
- Est. Area = .866 Sq. In.

- Weight/ft = 1.018 lbs
- 96", 192.63" Lengths standard.

**Section Properties:**

<table>
<thead>
<tr>
<th>Moment of Intertia in$^2$</th>
<th>0.200</th>
<th>0.210</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section modulus in$^3$</td>
<td>0.267</td>
<td>0.276</td>
</tr>
</tbody>
</table>

Load condition:
Fixed at both ends, load at center
Deflection = $y$ (inches)

$$Y_{max} = \frac{PL^3}{3.84 \times 10^8}$$

$$Y_{max} = \frac{PL^3}{4.03 \times 10^8}$$

Graph showing deflection vs. load and span.
Structural Aluminum Extrusions

Load condition:
Fixed at one end, sliding at one end, load at center
Deflection = Y (inches)

\[ Y_{\text{max}} = \frac{PL^3}{2.15 \times 10^6} \]

Load condition:
Fixed at one end, load at unsupported end
Deflection = Y (inches)

\[ Y_{\text{max}} = \frac{PL^3}{2.25 \times 10^6} \]

Load condition:
Fixed at one end, sliding at one end, load at center
Deflection = Y (inches)

\[ Y_{\text{max}} = \frac{PL^3}{5.00 \times 10^5} \]

Load condition:
Fixed at one end, load at unsupported end
Deflection = Y (inches)

\[ Y_{\text{max}} = \frac{PL^3}{6.30 \times 10^5} \]