Structural Aluminum Extrusions

<table>
<thead>
<tr>
<th>EX-3</th>
<th>Clear Anodized</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLX-3</td>
<td>Black Anodized</td>
</tr>
</tbody>
</table>

- Material = 6105-T5 Aluminum
- Est. Area = 3.188 Sq. In.
- Weight/ft = 4.037 lbs.
- 96", 144.25" (clear), 192.63" Lengths standard.

**Section Properties:**
- Moment of Inertia in⁴: 3.26
- Section modulus in³: 2.173

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

\[
y = \frac{PL^3}{6.26 \times 10^9}
\]
Clear Anodized

Black Anodized

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

$y = \frac{PL^3}{3.5 \times 10^9}$

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

$y = \frac{PL^3}{9.78 \times 10^7}$