**Structural Aluminum Extrusions**

**EX-66**

- Finish = Clear anodized
- Material = 6105-T5 Aluminum
- Est. Area = 1.559 Sq. In.

- Weight/ft = 1.833 lbs.
- 96", 192.63" Lengths standard.

**Section Properties:**

| Moment of Inertia in^4 | 1.385 | 0.401 |
| Section modulus in^3   | 0.923 | 0.535 |

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

\[ Y_{\text{max}} = \frac{PL^3}{2.66 \times 10^9} \]

\[ Y_{\text{max}} = \frac{PL^3}{7.70 \times 10^{11}} \]
Load condition: Fixed at one end, sliding at one end, load at center. Deflection = Y (inches)

\[ Y_{\text{max}} = \frac{PL^3}{1.48 \times 10^7} \]

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

\[ Y_{\text{max}} = \frac{PL^3}{4.40 \times 10^8} \]

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

\[ Y_{\text{max}} = \frac{PL^3}{4.40 \times 10^8} \]

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

\[ Y_{\text{max}} = \frac{PL^3}{1.20 \times 10^7} \]