Structural Aluminum Extrusions

EX-63

- Finish = Clear anodized
- Material = 6105-T5 Aluminum
- Est. Area = .833 Sq. In.

- Weight/ft = .980 lbs.
- 96", 192.63" Lengths standard.

**Section Properties:**
- Moment of Intertia in\(^4\): 0.195, 0.203
- Section modulus in\(^3\): 0.260, 0.267

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

\[ Y_{\text{max}} = \frac{PL^3}{3.74 \times 10^6} \]

\[ Y_{\text{max}} = \frac{PL^3}{3.90 \times 10^6} \]
EX-63

Structural Aluminum Extrusions

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

\[ Y_{\text{max}} = \frac{PL^3}{2.09 \times 10^6} \]

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

\[ Y_{\text{max}} = \frac{PL^3}{5.85 \times 10^6} \]