Structural Aluminum Extrusions

EX-65

- Finish = Clear anodized
- Material = 6105-T5 Aluminum
- Est. Area = .849 Sq. In.

- Weight/ft = .998 lbs.
- 96", 192.63" Lengths standard.

Section Properties:
- Moment of Intertia in\(^4\) = 0.200
- Section modulus in\(^3\) = 0.267

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

\[
Y_{max} = \frac{PL^3}{3.84 \times 10^8}
\]
Load condition:
Fixed at one end, sliding at one end,
load at center
Deflection = Y (inches)

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

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

\[ Y_{\text{max}} = \frac{PL^3}{6.00 \times 10^6} \]