Structural
Aluminum Extrusions

EX-7

• Finish = Clear anodized
• Material = 6105-T5 Aluminum
• Est. Area = .729 Sq. In.

- Weight/ft = .854 lbs.
- 96", 192.63" Lengths standard.

Section Properties:
- Moment of Inertia in^4 = .137
- Section modulus in^3 = .195

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

\[ y = \frac{P L^3}{2.62 \times 10^8} \]
**Structural Aluminum Extrusions**

**EX-7**

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

\[ y = \frac{PL^3}{1.47 \times 10^8} \]

**Span in inches (L)**

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

\[ y = \frac{PL^3}{4.10 \times 10^6} \]

**Span in inches (L)**