Structural Aluminum Extrusions

EX-1 Clear Anodized  
BLX-1 Black Anodized

- Material = 6105-T5 Aluminum  
- Est. Area = 1.164 Sq. In.

Section Properties:
- Moment of Inertia in$^4$ .242
- Section modulus in$^3$ .323

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

$y = \frac{PL^3}{4.65 \times 10^8}$
Load condition:
Fixed at one end, sliding at one end,
load at center
Deflection = \( Y \) (inches)

**EX-1**

\[
y = \frac{PL^3}{2.60 \times 10^8}
\]

Span in inches (L)

Load lbs (P)

---

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

**EX-1**

\[
y = \frac{PL^3}{7.26 \times 10^6}
\]

Span in inches (L)

Load lbs (P)