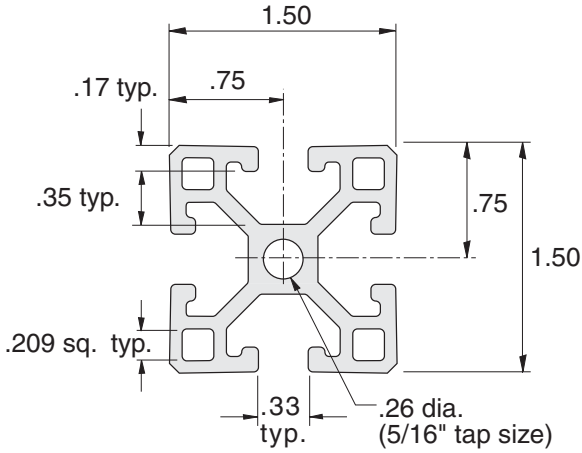


**EX-6**

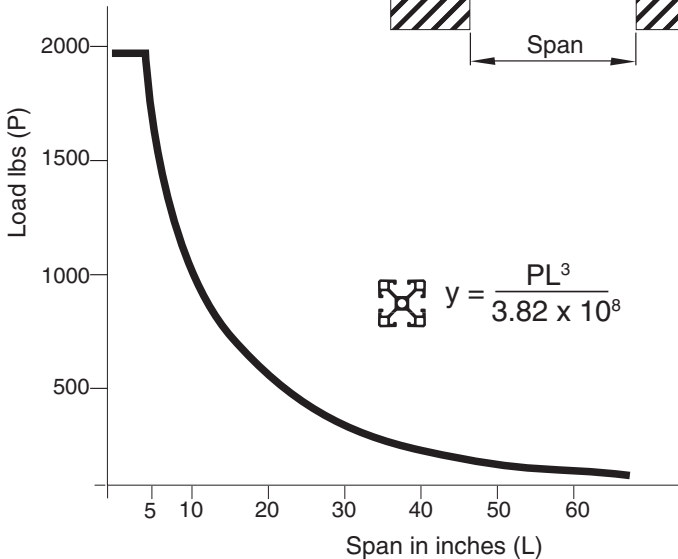
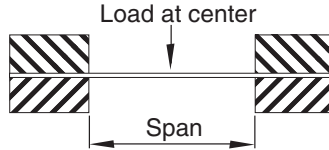


- Finish = Clear anodized
- Material = 6105-T5 Aluminum
- Est. Area = .878 Sq. In.
- Weight/ft = 1.029 lbs.
- 96", 144.75", 193.5" Lengths standard.

**Section Properties:**

Moment of Inertia in <sup>4</sup>	.199
Section modulus in <sup>3</sup>	.265

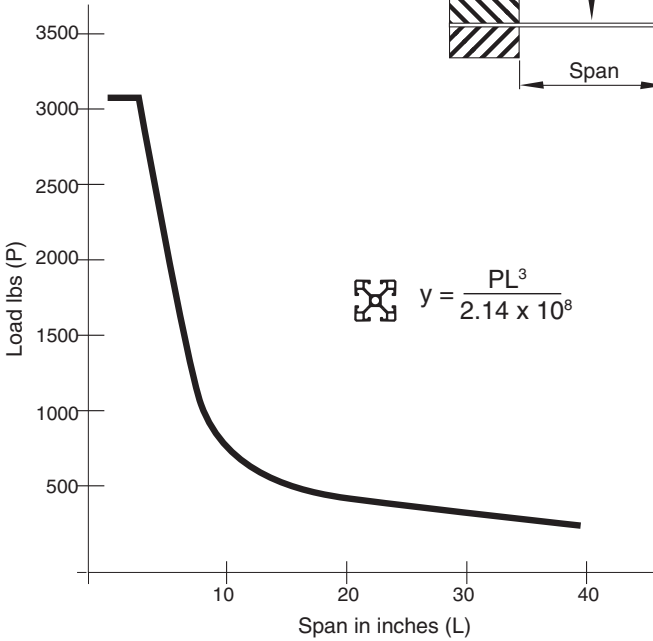
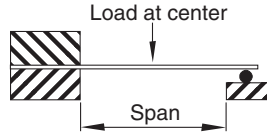
Load condition:  
Fixed at both ends, load at center  
Deflection = y (inches)




**TECHNICAL**

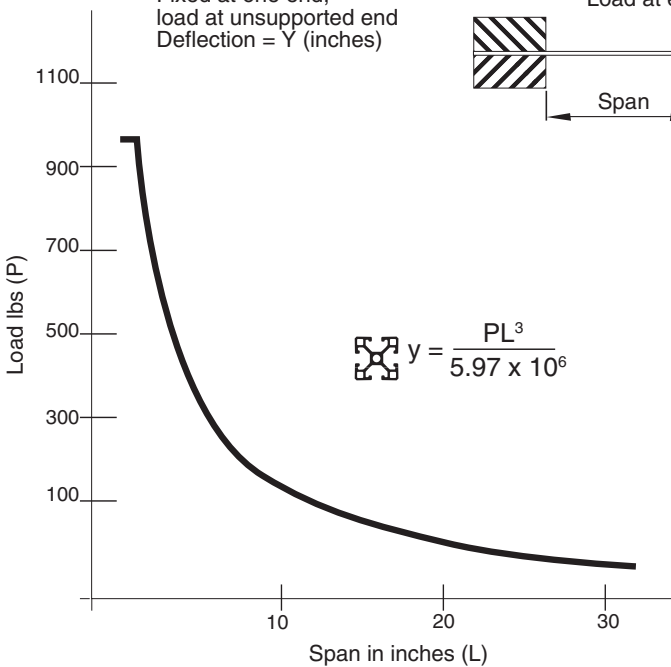
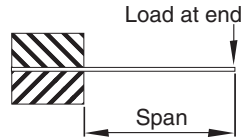
**EX-6**


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



  $y = \frac{PL^3}{2.14 \times 10^8}$

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



  $y = \frac{PL^3}{5.97 \times 10^6}$

**TECHNICAL**