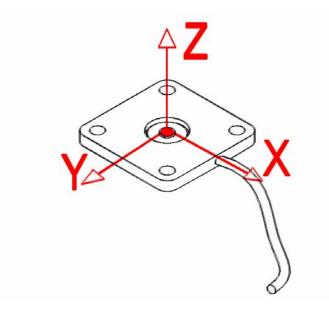


Deflection & Natural Frequency



Material	Capacity (lb)	Fz Deflection (in.)	Natural Frequency (Hz)	β
300 S.S.	1	0.0014	2,200	0.0014

*FN results are based on calculation of deflection & weight scene on Sensor arm.

Natural Frequency & Frequency Response Equation's:

Natural Frequency (FN) =
$$3.13 \sqrt{\frac{1}{\frac{\beta}{Capacity}} \bullet Deflection}}$$
 (Hz)
Frequency Response with load (FR) = $3.13 \sqrt{\frac{\frac{1}{\frac{\beta + AppliedLoad}{Capacity}} \bullet Deflection}}$ (Hz)



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