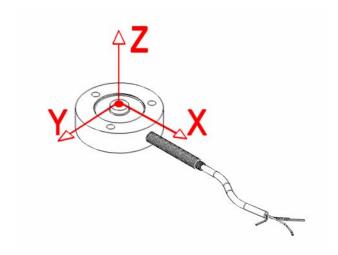


Deflection & Natural Frequency



Model#	Capacity (lb)	Fz Deflection (in.)	Natural Frequency (Hz)	β
LLB350	25	0.0007	5,300	0.0110
	50	0.0005	8,600	0.0121
	100	0.0005	11,700	0.0124

^{*}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) =
$$3.13 \sqrt{\frac{1}{\frac{\beta + AppliedLoad}{Capacity}}} \bullet Deflection$$
 (Hz)

*Where $oldsymbol{eta}$ values are obtained by Futek Engineers

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