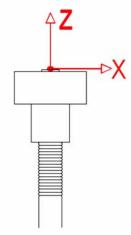


Deflection & Natural Frequency



Y X

Vertical cable Exit Option

Straight Cable Exit Option

Model#	Capacity (Ib)	Fz Deflection (in.)	Natural Frequency (Hz)	β
LLB200	10	0.0006	22,000	0.0003
	25	0.0007	33,700	0.0003
	50	0.0007	47,000	0.0003

*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 eta values are obtained by Futek Engineers

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