SNAP TRACK Cable Tray Load Data

Span is the distance between supports, not the tray length.

Snap Track Span (feet)																	
Tray		**6'**		**8'**		**10'**		**12'**		**14'**		**16'**		**18'**		**20'**	
w	h	Load	Deft*	Load	Deft*	Load	Deft*	Load	Deft*	Load	Deft*	Load	Deft*	Load	Deft*	Load	Deft*
2	2	45.33 LBS/ft	0.27 in.	25.19 LBS/ft	0.48 in.	15.9 LBS/ft	0.76 in.	10.83 LBS/ft	1.09 in.	7.79 LBS/ft	1.48 in.	5.66 LBS/ft	1.89 in.	3.78 LBS/ft	2.12 in.	2.59 LBS/ft	2.36 in.
4	2	54.92 LBS/ft	0.25 in.	30.5 LBS/ft	0.45 in.	19.25 LBS/ft	0.71 in.	13.08 LBS/ft	1.01 in.	9.43 LBS/ft	1.39 in.	7.02 LBS/ft	1.81 in.	4.99 LBS/ft	2.14 in.	3.41 LBS/ft	2.38 in.
6	2	54.67 LBS/ft	0.24 in.	30.25 LBS/ft	0.42 in.	19.1 LBS/ft	0.66 in.	12.96 LBS/ft	0.95 in.	9.29 LBS/ft	1.3 in.	6.88 LBS/ft	1.69 in.	4.85 LBS/ft	2.01 in.	3.28 LBS/ft	2.23 in.

*Deft = Deflection

Snap Track Systems are designed and manufactured to meet or exceed the standards set forth in the NEMA BI-50015-2024. Section 4.8.3 of NEMA BI-50015-2024 states that Channel Cable Tray straight sections not exceeding 150mm (6 inches) in width and 50mm (2 inches) in depth do NOT require load testing; however, if load testing is conducted, then load testing shall be conducted in accordance with Section 5.2.

TechLine Mfg. deems that traditional load data information is an important factor for engineers, designers and other end users. Therefore, TechLine Mfg. has load tested Snap Track per the procedures in NEMA BI-50015-2024 Section 5.2.

Under NEMA BI-50015-2024 Section 5.2 load ratings are determined either by Destruction (NEMA BI-50015-2024 Section 5.2.8) or Residual Deflection (NEMA BI-50015-2024 Section 5.2.9). Residual Deflection is effectively the permanent recorded deflection when the defined minimum test load is applied.

TechLine Mfg. recommends that Snap Track support systems be designed utilizing a safe working load as defined by IEC61537.

The values listed in the Snap Track Load Table were obtained using the procedures outlined in NEMA BI-50015-2024 Section 5.2 and the safe working load allowed by IEC61537.