Pultruded T-Bar Grating - 2”

Style			Uniform Load - lbs/sq. ft; Deflection - inches										Concentrated Load - lbs/ft of width; Deflection - inches									
Style	Ht. (In)	Load Bar Spacing CC (In)	Load/ Span	36”	42”	48”	54”	60”	66”	72”	78”	84”	Load/ Span	36”	42”	48”	54”	60”	66”	72”	78”	84”
T-5020	2	2	50	.01	.03	.04	.07	.10	.14	.20	.28	.37	200	.03	.05	.07	.10	.13	.17	.22	.27	.34
			100	.03	.05	.08	.13	.20	.29	***.41***	***.55***		300	.04	.07	.10	.14	.19	.25	.32	***.41***	***.51***
			200	.06	.10	.17	.27	***.40***					500	.07	.12	.17	.24	.32	***.42***	***.54***		
			FL*	1791	1316	1007	796	645	533	447	381	329	FL*	2687	2303	2015	1791	1612	1465	1343	1240	1151
T-3320	2	1-1/2	50	.01	.02	.03	.04	.07	.10	.13	.19	.25	200	.02	.03	.04	.06	.09	.11	.14	.18	.22
			100	.02	.03	.06	.09	.13	.19	.27	.37	***.49***	300	.03	.05	.07	.10	.13	.17	.22	.27	.34
			200	.04	.07	.11	.18	.27	***.39***	***.54***			500	.05	.08	.11	.16	.21	.28	.36	***.46***	***.56***
			FL*	2686	1974	1511	1194	967	799	671	572	493	FL*	4030	3454	3022	2686	2418	2198	2015	1860	1727

*FL: Failure load. Determined by applying a 2.5 Factor of Safety to the Ultimate Capacity of the grating.

- Deflection for uniform loads is limited to L/120 with L representing clear span length in inches. For typical pedestrian traffic, uniform load of 50 PSF is recommended with deflection not to exceed .375”
- Deflections for concentrated loads are shown for the same span conditions as for uniform loads.
- Deflection limits can be higher for fiberglass gratings as they are more resilient than metal materials.
- Italicized, bolded values indicate deflection greater than .375” or L/120. For these conditions, sustained loads or data not shown, please contact Brown-Campbell.