

Engineering Data For Both Channels

Material/ Gauge	Channel Depth- in.	Sx in. ³	Ix in. ⁴	E I lb. x in. ²	
STEEL 14 ga.	1½	.174	.102	2.96 x 10 ⁶	
	2	.270	.193	5.60 x 10 ⁶	
	2½	.307	.335	9.71 x 10 ⁶	
STEEL 12 ga.	1½	.216	.125	3.62 x 10 ⁶	
	2	.342	.264	7.66 x 10 ⁶	
	2½	.504 ¹	.488	14.09 x 10 ⁶	
	3	.625 ¹	.722	20.94 x 10 ⁶	
ALUM. 12 ga. .080"	1½	.171	.137	1.40 x 10 ⁶	
	2	.251 ¹		2.51 x 10 ⁶	
	2½	.379 ¹		.246	4.50 x 10 ⁶
	3	.464 ¹		.441	6.14 x 10 ⁶
ALUM. 10 ga. .100"	1½	.196	.156	1.59 x 10 ⁶	
	2	.352	.309	3.15 x 10 ⁶	
	2½	.486	.544	5.55 x 10 ⁶	
	3	.627	.911	9.29 x 10 ⁶	
STAINLESS STEEL 304 16 ga.	2	.165	.1425	4.13 x 10 ⁶	
STAINLESS STEEL 316L 16 ga.	2	.165	.1425	4.13 x 10 ⁶	