



CATEGORY

**STRUT &
THREADED ROD**

AMMO ITEM #

U-ARSTSL13/1612HDG

Company: _____
 Job: _____ #Item: _____
 Notes: _____

**USA Strut Channel,
OVAL SLOTTED, SHALLOW, 12 GAUGE**



FEATURES

- Proudly Made in the USA
- Effective Properties incorporate
- Strength increase from Cold Forming
- Safety Factor for Beams is 1.67
- Safety Factor for Columns is 1.80

GROSS PROPERTIES

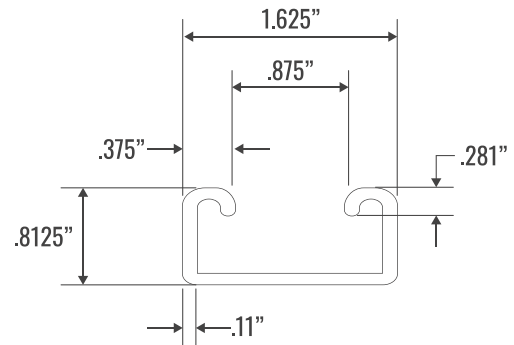
- Net Area (at 0.56" Hole): _____ .3296 in²
- Moment of Intertia Iy: _____ .1388 in⁴
- Section Modulus Sy: _____ .1708 in³
- Radius of Gyration ry: _____ .6489 in
- Moment of Intertia Ix: _____ .02674 in⁴
- Section Modulus Sx (top): _____ .06322 in³
- Section Modulus Sx (bot): _____ .06864 in³
- Radius of Gyration rx: _____ .2848 in

STANDARD MATERIAL

- Hot-Dip Galvanized

CERTIFICATION

- AISI S240-20



AMMO#	PHYSICAL PROPERTIES								
	SIZE	WEB DEPTH	FLANGE	RETURN	AREA (in ²)	WEIGHT (plf)	GAUGE	PKG	UPC
U-ARSTSL13/1612HDG10	10'	1-5/8"	13/16"	3/8"	.3865	1.314	12	50	840526245154
U-ARSTSL13/1612HDG20	20'	1-5/8"	13/16"	3/8"	.3865	1.314	12	25	840526245161

STRUT



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SPAN	BEAM LOADING					MAX UNIFORM LOAD AT DEFLECTION (plf)			MAX ALLOW MOMENT AT SPAN (lb-ft)
	MAX ALLOW UNIFORM - FULLY BRACED (plf)	MAX ALLOW UNIFORM - FULLY BRACED (lbs)	MAX ALLOW UNIFORM LOAD (plf)	MAX ALLOW UNIFORM LOAD (lbs)	DEFLECTION AT MAX LOAD (in)	L/180	L/240	L/360	
18"	728.9	955.66	728.9	1093.30	.11	692.5	519.4	346.3	205
24"	410.0	716.74	410.0	820.00	.19	292.2	219.1	146.1	205
36"	182.2	477.83	176.9	530.70	.41	86.6	64.9	43.3	199
48"	102.5	358.37	96.0	384.00	.70	36.5	27.4	18.3	192
60"	65.6	286.69	59.8	299.20	1.07	18.7	14.0	9.3	187
72"	45.6	238.91	40.7	244.00	1.50	10.8	8.1	5.4	183
84"	33.5	204.78	29.1	203.40	1.99	6.8	5.1	3.4	178
96"	25.6	179.18	21.8	174.00	2.54	4.6	3.4	2.3	174
108"	20.2	159.27	16.8	151.10	3.14	3.2	2.4	1.6	170
120"	16.4	143.34	13.2	132.00	3.77	2.3	1.8	1.2	165

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