



CATEGORY

**STRUT &
THREADED ROD**

AMMO ITEM #

U-ARSTSL-13/1612PG

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

Strut Channels OVAL SLOTTED, SHALLOW

**FEATURES**

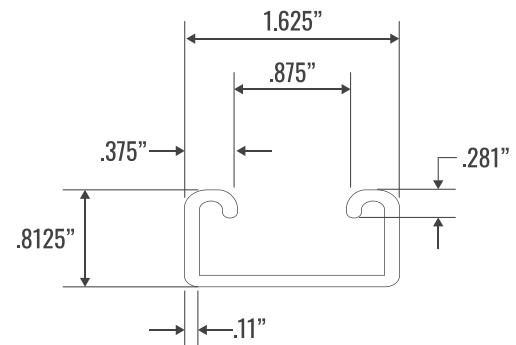
- Proudly Made in the USA
- Effective Properties incorporate
- Strength increase from Cold Forming
- Safety Factor for Beams is 1.67
- Safety Factor for Columns is 1.80

STANDARD MATERIAL

- Steel A1003 Grade 50

CERTIFICATION

- AISI S100-2016



AMMO#	PHYSICAL PROPERTIES								
	SIZE	WEB DEPTH	FLANGE	RETURN	AREA (in ²)	WEIGHT (plf)	GAUGE	PKG	UPC
U-ARSTSL-13/1612PG10	10'	1.625"	1.625"	.375"	.5518	1.8761	12	50	840526230976
U-ARSTSL-13/1612PG20	20'	1.625"	1.625"	.375"	.5518	1.8761	12	25	840526231003

STRUT

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OVAL SLOTTED, SHALLOW



SPAN	MAX ALLOW UNIFORM - FULLY BRACED (plf)	MAX ALLOW UNIFORM - FULLY BRACED (lbs)	BEAM LOADING						
			MAX ALLOW UNIFORM LOAD (plf)	MAX ALLOW UNIFORM LOAD (lbs)	DEFLECTION AT MAX LOAD (in)	MAX UNIFORM LOAD AT DEFLECTION (plf)			MAX ALLOW MOMENT AT SPAN (lb-ft)
						L/180	L/240	L/360	
18"	637.10	955.66	728.90	1093.30	0.11	692.5	519.4	346.3	205
24"	358.37	716.74	410.00	820.00	0.19	292.2	219.1	146.1	205
36"	159.27	477.83	176.90	530.70	0.41	86.6	64.9	43.3	199
48"	89.59	358.37	96.00	384.00	0.70	36.5	27.4	18.3	192
60"	57.33	286.69	59.80	299.20	1.07	18.7	14.0	9.3	187
72"	39.81	238.91	40.70	244.00	1.50	10.8	8.1	5.4	183
84"	29.25	204.78	29.10	203.40	1.99	6.8	5.1	3.4	178
96"	22.39	179.18	21.80	174.00	2.54	4.6	3.4	2.3	174
108"	17.69	159.27	16.80	151.10	3.14	3.2	2.4	1.6	170
120"	14.33	143.34	13.20	132.00	3.77	2.3	1.8	1.2	165

SPAN	COLUMN LOADING			
	MAX COLUMN LOAD AT CENTER OF GRAVITY (lb)			
	K= 0.65	K= 0.80	K= 1.0	K= 1.2
18"	10.273	9.610	8.782	8.053
24"	9.324	8.527	7.623	6.881
36"	7.726	6.881	5.982	5.233
48"	6.558	5.721	4.779	871
60"	5.657	4.779	KL/r>200	KL/r>200
72"	4.890	KL/r>200	KL/r>200	KL/r>200
84"	4.190	KL/r>200	KL/r>200	KL/r>200
96"	KL/r>200	KL/r>200	KL/r>200	KL/r>200
108"	KL/r>200	KL/r>200	KL/r>200	KL/r>200
120"	KL/r>200	KL/r>200	KL/r>200	KL/r>200
144"	KL/r>200	KL/r>200	KL/r>200	KL/r>200

STRUT