



CATEGORY

**STRUT &
THREADED ROD**

AMMO ITEM #

U-ARSTSL-1-5/812PG

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

Strut Channels OVAL SLOTTED, DEEP

**FEATURES**

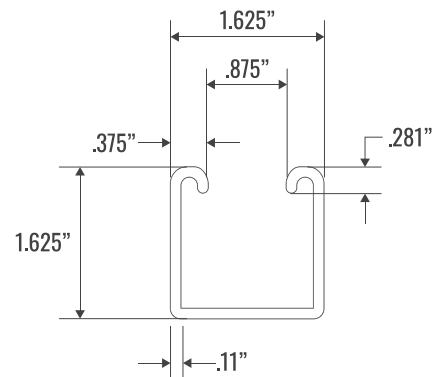
- Proudly Made in the USA
- Effective Properties incorporate
- Strength increase from Cold Forming
- Safety Factor for Beams is 1.67
- Safety Factor for Columns is 1.80

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-1-5/812PG10	10'	1.625"	1.625"	.375"	0.5518	1.8761	12	50	840526230952
U-ARSTSL-1-5/812PG20	20'	1.625"	1.625"	.375"	0.5518	1.8761	12	25	840526230983

STRUT

1000 COMMERCE CENTER DR ELKTON MD 21921
PHONE : (718).338.1851 FAX : (718).228.1851
orders@ammoelectric.com

www.ammoelectric.com



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Strut Channels

OVAL SLOTTED, DEEP



SPAN	MAX ALLOW UNIFORM - FULLY BRACED (plf)	MAX ALLOW UNIFORM LOAD (lbs)	MAX ALLOW UNIFORM LOAD (plf)	DEFLECTION AT MAX LOAD (in)	BEAM LOADING			MAX ALLOW MOMENT AT SPAN (lb-ft)
					MAX UNIFORM LOAD AT DEFLECTION (plf)			
					L/180	L/240	L/360	
18"	1889.57	3365.30	2243.60	0.05	2243.6	2243.6	2078.4	631
24"	1062.88	2404.00	1202.00	0.09	1202.0	1202.0	876.8	601
36"	472.39	1392.00	464.00	0.18	464.0	389.7	259.8	522
48"	265.72	904.00	226.00	0.27	219.2	164.4	109.6	452
60"	170.06	633.60	126.70	0.37	112.2	84.2	56.1	396
72"	118.09	465.30	77.60	0.48	64.9	48.7	32.5	349
84"	86.76	357.70	51.10	0.58	40.9	30.7	20.5	313
96"	66.43	288.00	36.00	0.70	27.4	20.6	13.7	288
108"	52.48	238.20	26.50	0.83	19.2	14.4	9.6	268
120"	42.51	200.80	20.10	0.95	14.0	10.5	7.0	251

SPAN	COLUMN LOADING			
	MAX COLUMN LOAD AT CENTER OF GRAVITY (lb)			
	K= 0.65	K= 0.80	K= 1.0	K= 1.2
18"	14.365	13.348	11.914	10.492
24"	12.874	11.434	9.589	7.952
36"	9.810	7.952	5.962	4.689
48"	7.228	5.462	4.122	3.346
60"	5.350	4.122	3.200	2.637
72"	4.249	3.346	2.637	2.177
84"	3.551	2.835	2.243	1.840
96"	3.068	2.464	1.943	1.577
108"	2.708	2.177	1.701	KL/r>200
120"	2.425	1.943	KL/r>200	KL/r>200
144"	1.997	KL/r>200	KL/r>200	KL/r>200

STRUT