LANSDALE VALVE & MANUFACTURING

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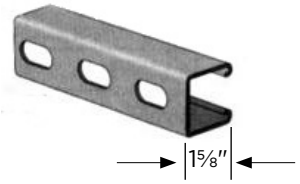
CHANNEL WITH ELONGATED HOLES

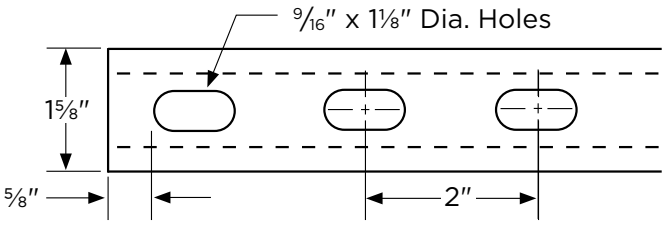
MODEL LVSTR (1⅝)



MADE IN THE USA

FEATURES:

- **MATERIAL:** Steel (12 GA)
- **FINISH:** Galv
- **LENGTH:** 10 FT



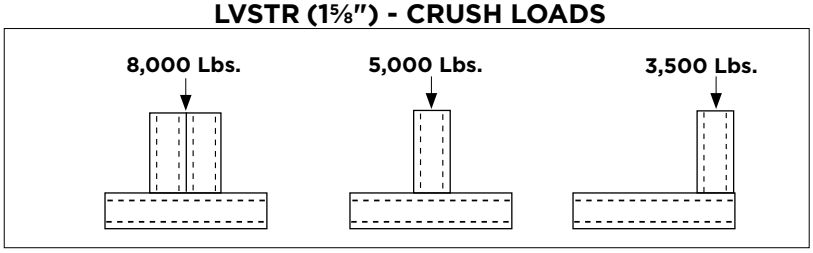
BEAM LOADING LVSTR (1⅝")					
SPAN	MAX ALLOWABLE UNIFORM LOAD	DEFL. AT UNIFORM LOAD	UNIFORM LOADING AT DEFLECTION		
			SPAN/180	SPAN/240	SPAN /360
In	Lbs	In	Lbs	Lbs	Lbs
24	1,690	0.06	1,690	1,690	1,690
36	1,130	0.13	1,130	1,130	900
48	850	0.22	850	760	510
60	680	0.35	650	490	320
72	560	0.50	450	340	220
84	480	0.68	330	250	170
96	420	0.89	250	190	130
108	380	1.13	200	150	100
120	340	1.40	160	120	80
144	280	2.01	110	80	60
168	240	2.74	80	60	40
192	210	3.57	60	50	NR
216	190	4.52	50	40	NR
240	170	5.58	40	NR	NR

This load table is based on a solid channel section. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. For elongated hole channel reduce the loads shown by 15%.

COLUMN LOADING LVSTR (1⅝")					
UNBRACED HEIGHT	MAXIMUM ALLOWABLE LOAD AT SLOT FACE	MAXIUM COLUMN LOAD APPLIED AT C.G K=0.65		K=0.80 K= 1.0	K=1.2
In	Lbs	In	Lbs	Lbs	Lbs
24	3,450	10,750	9,990	8,770	7,730
36	3,050	8,910	7,730	6,370	5,280
48	2,660	7,250	5,980	4,660	3,770
60	2,290	5,890	4,660	3,600	2,940
72	2,000	4,800	3,770	2,940	2,380
84	1,760	4,010	3,170	2,460	1,970
96	1,570	3,450	2,730	2,090	1,650
108	1,410	3,020	2,380	1,800	**
120	1,270	2,680	2,090	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading

LVSTR (1⅝") - CRUSH LOADS



Resistance to Slip - 1,500 lbs. per bolt when ½" PS NS channel nuts are used.

Pull Out Strength - 2,000, lbs. per bolt when ½" PS NS channel nuts ared used.

PROJECT	APPROVAL STAMP
PROJECT:	☐ APPROVED
ADDRESS:	☐ APPROVED AS NOTED
ENGINEER:	☐ NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	

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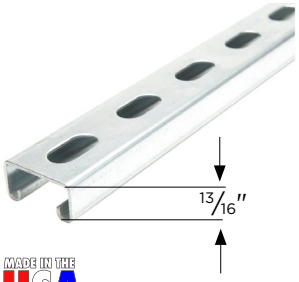
CHANNEL WITH ELONGATED HOLES

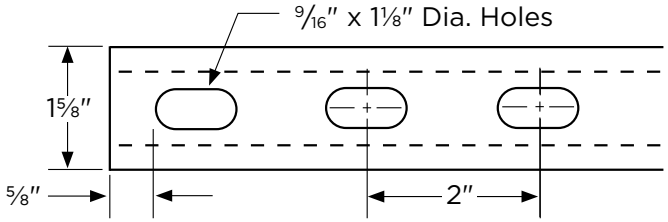
MODEL LVSTR (13/16)



MADE IN THE USA

FEATURES:

- **MATERIAL:** Steel (14 GA)
- **FINISH:** Galv
- **LENGTH:** 10 FT



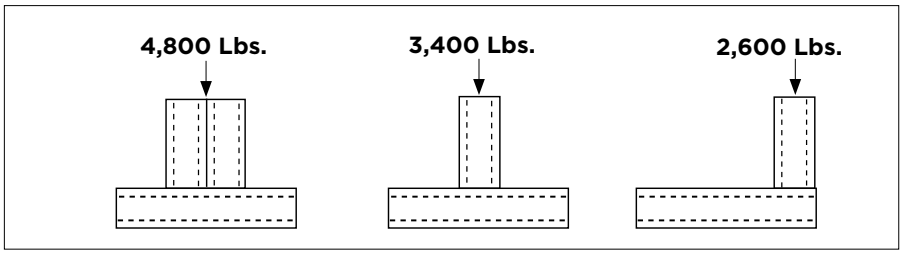
BEAM LOADING LVSTR (13/16")					
SPAN	MAX ALLOWABLE UNIFORM LOAD	DEFL. AT UNIFORM LOAD	UNIFORM LOADING AT DEFLECTION		
			SPAN/180	SPAN/240	SPAN /360
In	Lbs	In	Lbs	Lbs	Lbs
24	440	0.11	440	410	270
36	300	0.24	240	189	120
48	220	0.43	140	100	70
60	180	0.68	90	70	40
72	150	0.98	60	50	30
84	130	1.33	40	30	20
96	110	1.74	30	30	20
108	100	2.20	30	20	10
120	90	2.71	20	20	10

This load table is based on a solid channel section. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. For elongated hole channel reduce the loads shown by 15%.

COLUMN LOADING LVSTR (13/16")					
UNBRACED HEIGHT	MAXIMUM ALLOWABLE LOAD AT SLOT FACE	MAXIUM COLUMN LOAD APPLIED AT C.G			
		K=0.65	K=0.80	K= 1.0	K=1.2
In	Lbs	In	Lbs	Lbs	Lbs
24	1,620	5,670	5,210	4,530	3,810
36	1,300	4,620	3,810	2,770	1,940
48	1,000	3,450	2,450	1,570	1,090
60	760	2,380	1,570	**	**
72	600	1,650	1,90	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading

LVSTR (13/16") - CRUSH LOADS



Resistance to Slip - 1,000 lbs. per bolt when ½" PS NS channel nuts are used.

PROJECT	APPROVAL STAMP
PROJECT:	☐ APPROVED
ADDRESS:	☐ APPROVED AS NOTED
ENGINEER:	☐ NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	