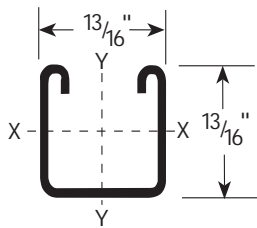


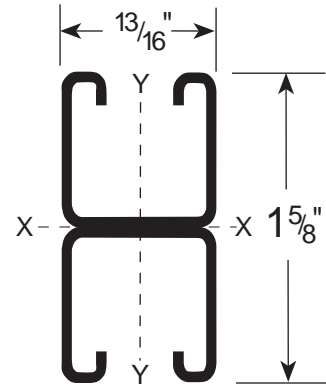
# FS-600 • 13/16" CHANNEL • 19 Gauge

SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHNL P/N	WT/FT LBS.	AREA SQ. IN.	I <sub>x</sub> in <sup>4</sup>	S <sub>x</sub> in <sup>3</sup>	R <sub>x</sub> in	I <sub>y</sub> in <sup>4</sup>	S <sub>y</sub> in <sup>3</sup>	R <sub>y</sub> in
FS-600	.35	.103	.009	.018	.289	.009	.028	.332
FS-601	.70	.206	.042	.051	.450	.042	.056	.332

**I = Moment of Inertia    S = Section Modulus    R = Radius of Gyration**



**FS-600**



**FS-601**

**CHANNEL FINISH:**    • PLAIN (PL) • GREEN (GR)

**STANDARD LENGTH:**    10 FT.

CHNL P/N

**ALLOWABLE BEAM LOADS — Span In Inches**

FS-600

Stress 1/240

12"	18"	24"	30"	36"	42"	48"	60"	72"
330	220	165	135	110	95	85	65	55
***	***	150	95	65	50	40	25	15

FS-601

Stress 1/240

405*	405*	405*	345	285	245	215	170	145
***	***	***	***	***	230	175	110	80

- TOTAL STATIC LOAD in LBS.
- Upper line is MAXIMUM ALLOWABLE UNIFORM LOAD creating 25,000 PSI Bending Stress about the X-Axis based on SIMPLE BEAM condition.
- Lower line shows TOTAL UNIFORM LOAD which produces a deflection of 1/240th of the SPAN, (i.e.; 1/2" Def. for 120" Span)
- Multiply values in upper line by 0.5 to obtain ALLOWABLE CENTER CONCENTRATED LOAD at 25,000 PSI Stress. Deflection by 0.8.
- \* Load limited by spot weld shear.
- \*\*\* Load controlled by 25,000 PSI design stress.

CHNL P/N

**ALLOWABLE COLUMN LOADS — Unsupported Height of Column in Inches**

FS-600

12"	18"	24"	30"	36"	42"	48"	60"	72"
1,745	1,365	1,025	755	590	485	415	320	****

FS-601

4,180	3,955	3,675	3,325	2,935	2,540	2,145	1,440	1,000 **** = KL/R > 200
-------	-------	-------	-------	-------	-------	-------	-------	----------------------------

- COLUMN LOADS are allowable axial loads applied at the section centroid. Loads applied at the slot face must be reduced for Eccentricity.
- ALLOWABLE COLUMN LOADS shown are based upon an effective length factor K = 0.8 standard engineering practice required for evaluation of other conditions.