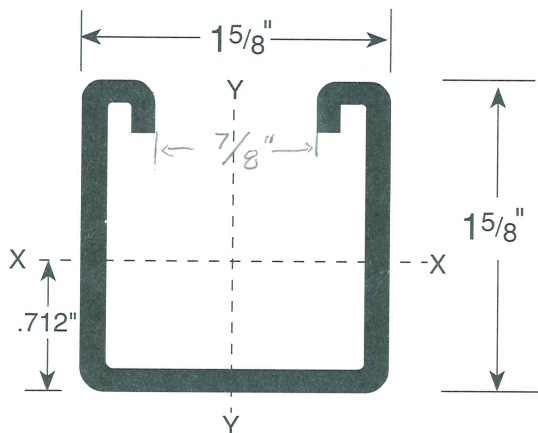


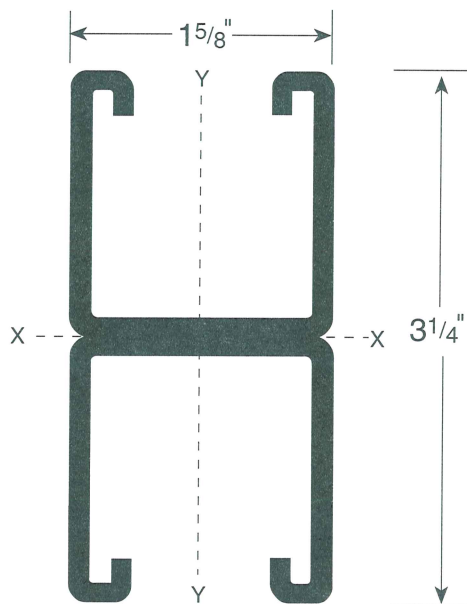
SECTION PROPERTIES			X-X AXIS			Y-Y AXIS		
CHNL P/N	WT/FT LBS.	AREA SQ. IN.	I _x in ⁴	S _x in ³	R _x in	I _y in ⁴	S _y in ³	R _y in
FS-200	1.88	.553	.182	.199	.574	.234	.289	.651
FS-201	3.76	1.105	.925	.569	.915	.469	.577	.651

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



FS-200

ACTUAL SIZE



FS-201

SCALED DOWN SIZE

CHANNEL FINISH: • PLAIN (PL) • PRE-GALVANIZED (PG) • GREEN (GR)
 • HOT-DIPPED GALVANIZED (HD) • ALUMINUM (AL) • STAINLESS (ST4) TYPE 304
 • PVC Coated • STAINLESS (ST6) TYPE 316

STANDARD LENGTH: 20 FT. • 10 FT.

ALLOWABLE BEAM LOADS

CHNL P/N		Span In Inches										
		24"	30"	36"	42"	48"	60"	72"	84"	96"	108"	120"
FS-200	Stress	1,680	1,340	1,120	960	840	670	560	480	420	370	340
	1/240	1,680	1,340	1,120	960	750	480	330	250	190	150	120
FS-201	Stress	3,360	2,680	2,240	2,170	2,170	1,920	1,600	1,370	1,200	1,070	960
	1/240	3,360	3,360	3,360	2,170	2,170	1,920	1,690	1,240	950	750	610

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

ALLOWABLE COLUMN LOADS

CHNL P/N	Unsupported Height of Column in Inches										
	24"	30"	36"	42"	48"	60"	72"	84"	96"	108"	120"
FS-200	10,000	9,090	8,100	7,100	6,100	4,590	3,680	3,060	2,600	2,240	1,940
FS-201	21,880	21,100	20,400	19,810	19,320	18,590	17,590	14,970	12,080	9,540	7,730

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