

FS-520 • 13/16" CHANNEL • 12 Gauge

	N PROPI	ERTIES		X-X AXIS				Y-Y AXIS			
CHNL	WT/FT	AREA	Ix		Sx	Rx	Iy		Sy	Ry	
P/N	LBS.	SQ. IN	J. in ⁴		in ³	in	in ⁴		in ³	in	
S-520	1.32	.375	.030		.062	.282	.140)	.172	.60	
S-521	2.64	.750	.145		.180	.435	.280)	.345	.60	
			I	= Momen	nt of Inertia	S = Sec	tion Modu	lus R	= Radi	us of Gyra	
X .337" ↓		5/8" Y + Y Y		 16 /	X		15/8" Y ! ! ! ! ! ! Y		X	1 ⁵ /8 ["]	
S-520					FS-52	1					
IANNEL	. FINISH: D LENGT	• HOT	N (PL) • PRE- -DIPPED GALV) FT. • 10 FT.	ANIZED	ZED (PG) • (HD)	GREEN (G					
HANNEL CANDAR CHNL		• нот ГН: 20	DIPPED GALV FT. • 10 FT. ALLOW	ANIZED	ZED (PG) • (HD) BEAM L	GREEN (G OADS	— Span	In Inches			
HANNEL CANDAR CHNL P/N	D LENG	• HOT FH: 20 24"	-DIPPED GALV D FT. • 10 FT. ALLOW 30" 36"	ANIZED ABLE 42"	ZED (PG) • (HD) • BEAM L 48" 6	GREEN (G OADS 30" 72'	— Span 84"	96"	108"	120"	
HANNEL CANDAR CHNL		• нот ГН: 20	DIPPED GALV FT. • 10 FT. ALLOW	ANIZED	ZED (PG) • (HD) • BEAM L 48" 6 260 2	GREEN (G OADS	— Span 84"			120" 105 20	
HANNEL FANDAR CHNL P/N	Stress 1/240	• HOT FH: 20 24" 530 500	-DIPPED GALV D FT. • 10 FT. ALLOW 30" 36" 420 350	ANIZED /ABLE 42" 300	ZED (PG) • (HD) • BEAM L 48" 6 260 2 125 8 745 5	GREEN (G OADS 60" 72' 10 175	Span 84" 150 40 425	96" 130	108" 120	105	

ALLOWADEL COLUMN LOADS -							Unsupported Height of Column in men					
24"	30"	36"	42"	48"	60"	72"	84"	96"	108"	120"		
5,600	4,960	4,280	3,595	2,940	1,895	****	****	****	****	****		
15,300	14,365	13,300	12,145	10,930	8,495	6,230	4,575	3,505	2,765 **** = K	**** (L/R>200		

 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.

CHNL P/N FS-520 FS-521