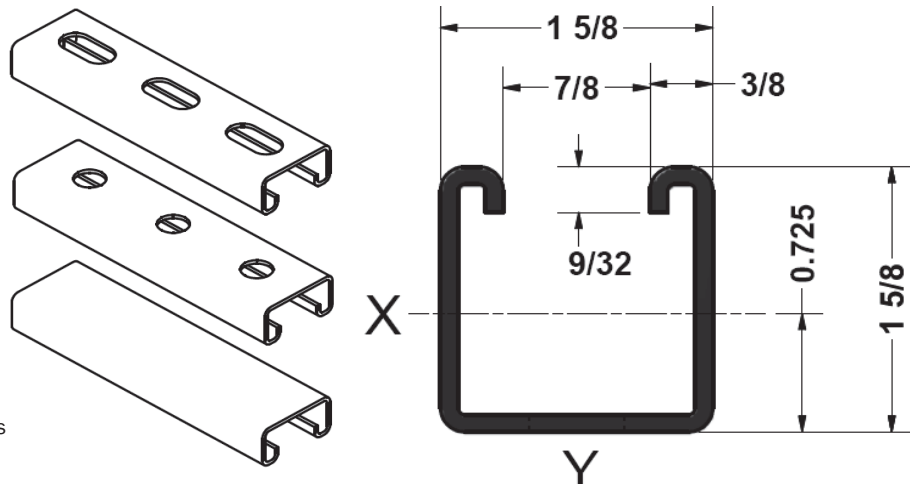


STRUT CHANNELS

FS12158		Produced and stocked in the following materials and finishes:					
		Pre-Galv ●	SS 304 ●	SS 316 ●	Hot Dip ●	Aluminum ●	
SECTIONAL PROPERTIES		1-5/8" - CHANNEL - 12 GAUGE					
		X-X AXIS			Y-Y AXIS		
WT. Per L.F.	AREA	Ix	Sx	Rx	Iy	Sy	Ry
LBS.	SQ. in.	in.	in³	in.	in.	in³	in.
1.90	0.559	0.185	0.2042	0.580	0.234	0.288	0.553



SLOTS: 9/16" X 1-1/8" on 2" centers
 HOLES: 9/16" dia. on 2" centers

Beam Loading Data					Column Loading Data				
Span or Unbraced Column Height	Maximum Allowable Uniform Loading	Deflection at Uniform Loading	Uniform Loading at Deflection		Maximum Allowable Loading at Slot Face K=.80	Maximum Allowable Column Load Applied at Center of Gravity			
			Span / 240	Span / 360		K=.65	K=.80	K=1.0	K=1.2
In.	Lbs.	In.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
24	1691	0.06	1689	1689	3401	9601	9501	9321	9101
36	1131	0.13	1131	900	3002	7642	7402	7002	6490
48	852	0.22	759	509	2571	5911	5531	4981	4430
60	680	0.35	491	321	2229	4781	4391	3851	3331
72	561	0.50	339	219	1971	4091	3681	3142	2649
84	479	0.68	251	171	1759	3602	3171	2631	2161
96	421	0.89	189	129	1582	3221	2770	2242	1802
108	381	1.14	151	101	1431	2911	2451	1931	**
120	339	1.40	119	79	1292	2641	2182	**	**
144	281	1.99	81	59					**KL > 200 r