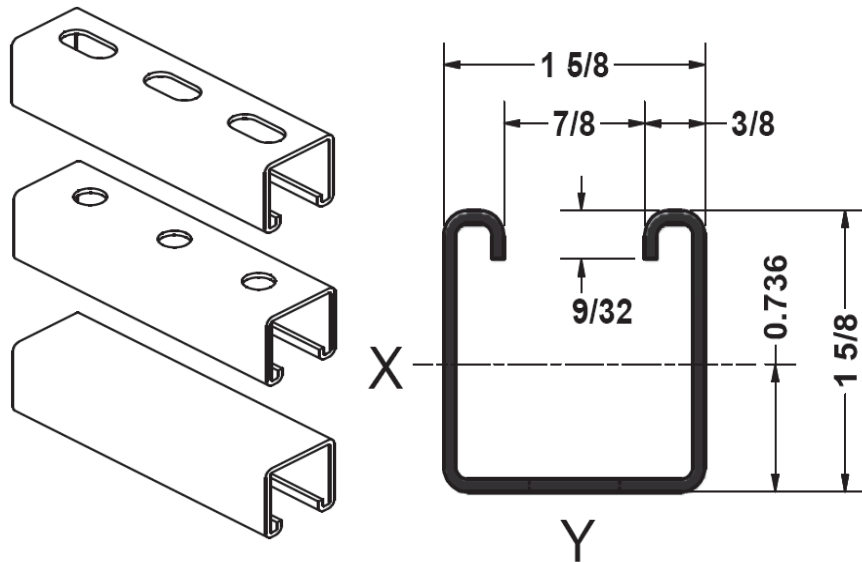


STRUT CHANNELS

FS14158		Produced and stocked in the following materials and finishes:					
		Pre-Galv ●	SS 304 ●	SS 316 ●	Hot Dip ●	Aluminum ●	
SECTIONAL PROPERTIES		1-5/8" - CHANNEL - 14 GAUGE					
		X-X AXIS			Y-Y AXIS		
WT. Per L.F.	AREA	Ix	Sx	Rx	Iy	Sy	Ry
LBS.	SQ. in.	in.	in ³	in.	in.	in ³	in.
1.40	0.412	0.1482	0.1654	0.596	0.1828	0.2249	0.662



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	1380	0.06	1380	1380	2712	6123	5875	5485	5039
36	920	0.13	920	719	2332	5361	5038	4305	3520
48	688	0.23	606	404	1889	3731	3541	3010	2325
60	550	0.36	388	259	1591	2879	2693	2206	1792
72	459	0.51	269	180	1392	2391	2215	1742	1398
84	395	0.70	197	130	1231	2069	1891	1443	1170
96	343	0.92	149	99	1101	1851	1610	1238	1003
108	305	1.16	118	80	1003	1669	1398	1077	**
120	277	1.44	97	65	913	1531	1238	**	**KL > 200
144	225	2.04	69	46					r