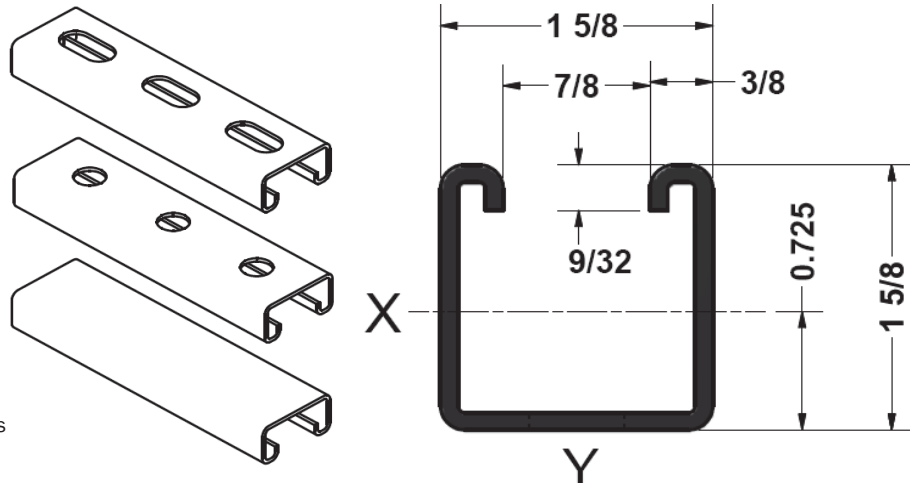


# STRUT CHANNELS

<b>FS12158</b>		Produced and stocked in the following materials and finishes: Pre-Galv ● SS 304 ● SS 316 ● Hot Dip ● Aluminum ●					
<b>SECTIONAL PROPERTIES</b>		<b>1-5/8" - CHANNEL - 12 GAUGE</b>					
		<b>X-X AXIS</b>			<b>Y-Y AXIS</b>		
<b>WT. Per L.F.</b>	<b>AREA</b>	<b>Ix</b>	<b>Sx</b>	<b>Rx</b>	<b>Iy</b>	<b>Sy</b>	<b>Ry</b>
LBS.	SQ. in.	in.	in <sup>3</sup>	in.	in.	in <sup>3</sup>	in.
1.90	0.559	0.185	0.2042	0.580	0.234	0.288	0.553

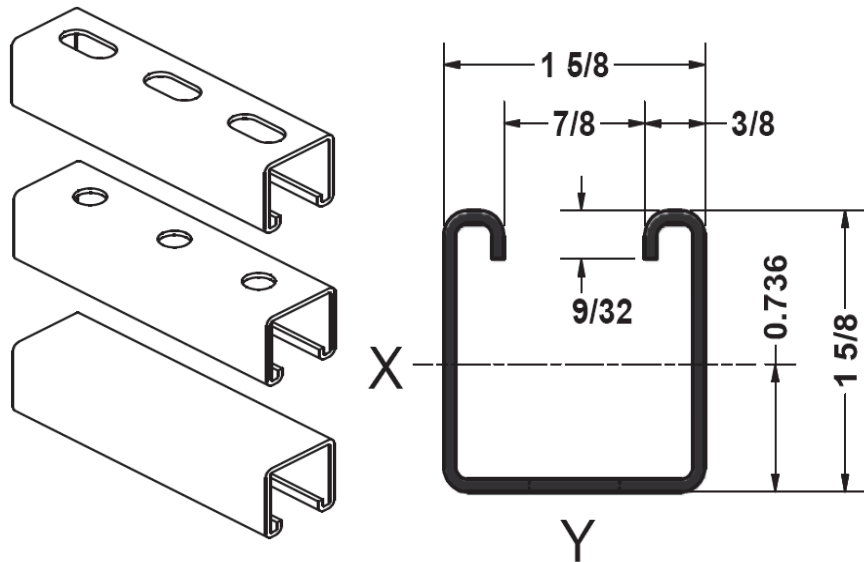


SLOTS: 9/16" X 1-1/8" on 2" centers  
HOLES: 9/16" dia. on 2" centers

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 Lbs.	Span / 360 Lbs.		K=.65	K=.80	K=1.0	K=1.2
In.	Lbs.	In.			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

# STRUT CHANNELS

<b>FS14158</b>		Produced and stocked in the following materials and finishes: Pre-Galv ● SS 304 ● SS 316 ● Hot Dip ● Aluminum ●					
<b>SECTIONAL PROPERTIES</b>		<b>1-5/8" - CHANNEL - 14 GAUGE</b>					
<b>WT. Per L.F.</b> LBS.	<b>AREA</b> SQ. in.	<b>X-X AXIS</b>			<b>Y-Y AXIS</b>		
		<b>I<sub>x</sub></b> in.	<b>S<sub>x</sub></b> in <sup>3</sup>	<b>R<sub>x</sub></b> in.	<b>I<sub>y</sub></b> in.	<b>S<sub>y</sub></b> in <sup>3</sup>	<b>R<sub>y</sub></b> in.
1.40	0.412	0.1482	0.1654	0.596	0.1828	0.2249	0.662

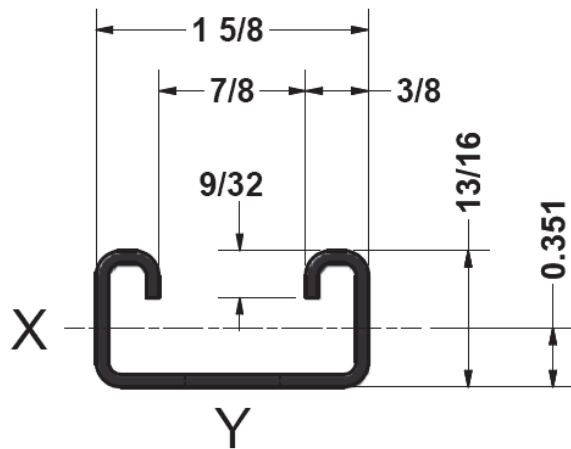
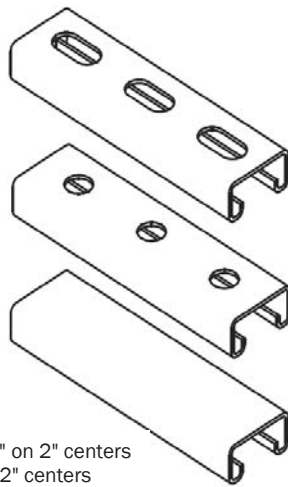


SLOTS: 9/16" X 1-1/8" on 2" centers  
HOLES: 9/16" dia. on 2" centers

Beam Loading Data					Column Loading Data				
Span or Unbraced Column Height In.	Maximum Allowable Uniform Loading Lbs.	Deflection at Uniform Loading In.	Uniform Loading at Deflection		Maximum Allowable Loading at Slot Face K=.80 Lbs.	Maximum Allowable Column Load Applied at Center of Gravity			
			Span / 240 Lbs.	Span / 360 Lbs.		K=.65 Lbs.	K=.80 Lbs.	K=1.0 Lbs.	K=1.2 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 r
144	225	2.04	69	46					

# STRUT CHANNELS

<b>FS141316</b>		Produced and stocked in the following materials and finishes: Pre-Galv ● SS 304 ● SS 316 ● Hot Dip ● Aluminum ●					
<b>SECTIONAL PROPERTIES</b>		<b>13/16" - CHANNEL - 14 GAUGE</b>					
		<b>X-X AXIS</b>			<b>Y-Y AXIS</b>		
WT. Per L.F. LBS.	AREA SQ. in.	Ix in.	Sx in <sup>3</sup>	Rx in.	Iy in.	Sy in <sup>3</sup>	Ry in.
0.97	0.285	0.0262	0.0558	0.298	0.1096	0.1348	0.609



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 In.	Maximum Allowable Uniform Loading Lbs.	Deflection at Uniform Loading In.	Uniform Loading at Deflection		Maximum Allowable Loading at Slot Face K=.80 Lbs.	Maximum Allowable Column Load Applied at Center of Gravity			
			Span / 240 Lbs.	Span / 360 Lbs.		K=.65 Lbs.	K=.80 Lbs.	K=1.0 Lbs.	K=1.2 Lbs.
24	466	0.11	431	288	1689	5760	5246	4970	4298
36	312	0.24	192	127	1420	5041	4289	3072	2132
48	231	0.43	108	73	1100	3918	2701	1729	1200
60	187	0.68	70	47	880	2620	1722	**	**
72	154	0.97	49	33	650	1819	1195	**	**
84	135	1.32	35	22	510	1335	**	**	
96	117	1.73	28	18	380	**	**	**	
108	103	2.19	21	12	300	**	**	**	
120	92	2.70	17	8	210	**	**	**KL > 200 r	