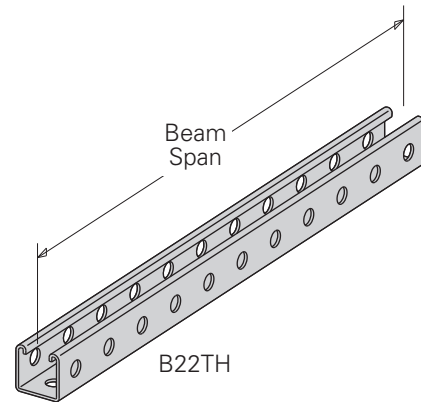


## Beam Loading Data

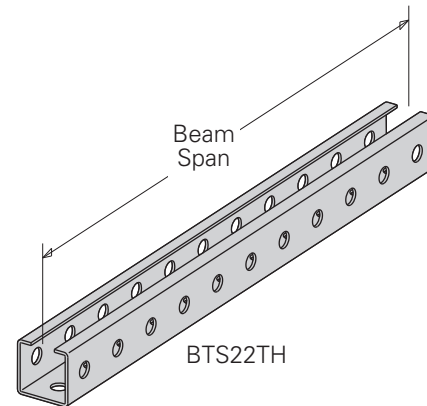
### B22TH

Beam Span in	Beam Load Data x-x Axis			
	Allowable Load lbs*	Resulting Deflection in	Allowable Load @ Deflection=1/240 Span	
			Lbs.	kN
12	2225	0.015	3225	(14.34)
24	1610	0.061	1610	(7.16)
36	1071	0.136	1071	(4.76)
48	800	0.243	658	(2.92)
60	637	0.379	417	(1.85)
72	528	0.546	286	(1.27)
84	449	0.743	206	(0.91)
96	390	0.970	153	(0.68)
108	344	1.228	116	(0.51)
120	306	1.516	90	(0.40)



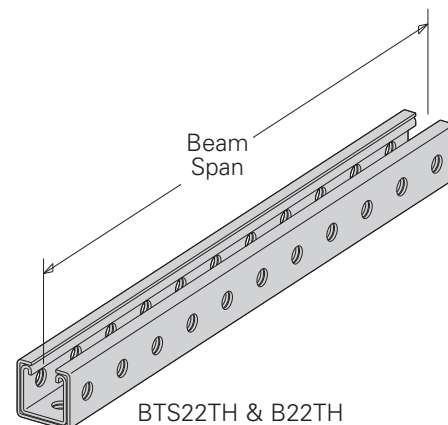
### BTS22TH

Beam Span in	Beam Load Data x-x Axis			
	Allowable Load lbs*	Resulting Deflection in	Allowable Load @ Deflection=1/240 Span	
			Lbs.	kN
12	4203	0.012	4203	(18.69)
24	2099	0.050	2099	(9.33)
36	1396	0.112	1396	(6.21)
48	1044	0.200	1044	(4.64)
60	831	0.312	664	(2.95)
72	689	0.450	456	(2.03)
84	587	0.612	330	(1.48)
96	510	0.799	248	(1.10)
108	450	1.012	190	(0.84)
120	401	1.249	149	(0.66)



### BTS22TH & B22TH Telescoping Members of Equal Length

Beam Span in	Beam Load Data x-x Axis			
	Allowable Load lbs*	Resulting Deflection in	Allowable Load @ Deflection=1/240 Span	
			Lbs.	kN
12	7033	0.013	7033	(31.28)
24	3511	0.051	3511	(15.62)
36	2335	0.115	2335	(10.38)
48	1745	0.205	1705	(7.58)
60	1389	0.320	1082	(4.81)
72	1151	0.460	742	(3.30)
84	980	0.627	536	(2.38)
96	851	0.819	401	(1.78)
108	749	1.036	307	(1.36)
120	668	1.279	239	(1.06)



\*Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) with adequate lateral bracing (see page 12 for further explanation). To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8.

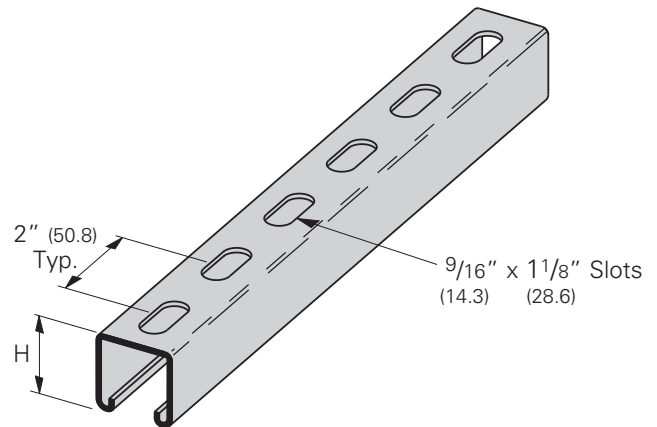
Reference page 48 for general fitting and standard finish specifications.

# Channel Hole Patterns

## B11SH thru B56SH SH Type Channel

- For beam loads use 90% of Channel Loading Chart

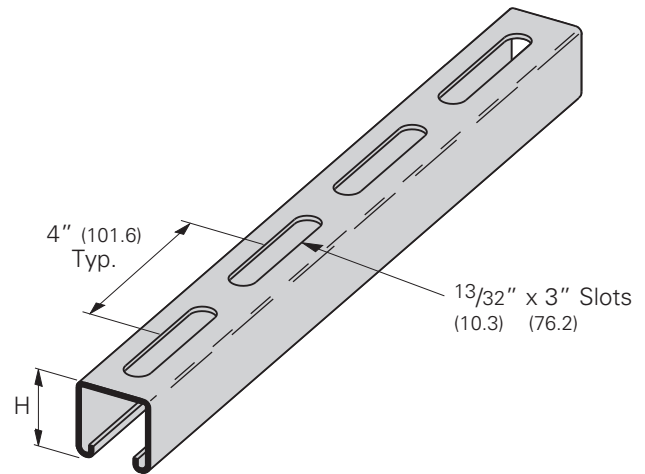
Part No.	Thickness	Height H		Weight	
		In.	mm	Lbs./Ft.	kg/m
B11SH	12 Ga. (2.6)	3 <sup>1</sup> / <sub>4</sub> "	(82.5)	2.97	(4.42)
B12SH	12 Ga. (2.6)	2 <sup>7</sup> / <sub>16</sub> "	(61.9)	2.39	(3.55)
B22SH	12 Ga. (2.6)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.82	(2.71)
B24SH	14 Ga. (1.9)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.34	(1.99)
B32SH	12 Ga. (2.6)	1 <sup>3</sup> / <sub>8</sub> "	(34.9)	1.62	(2.41)
B42SH	12 Ga. (2.6)	1"	(25.4)	1.36	(2.02)
B52SH	12 Ga. (2.6)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	1.19	(1.77)
B54SH	14 Ga. (1.9)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	.91	(1.35)



## B11S thru B56S S Type Channel

- For beam loads use 90% of Channel Loading Chart

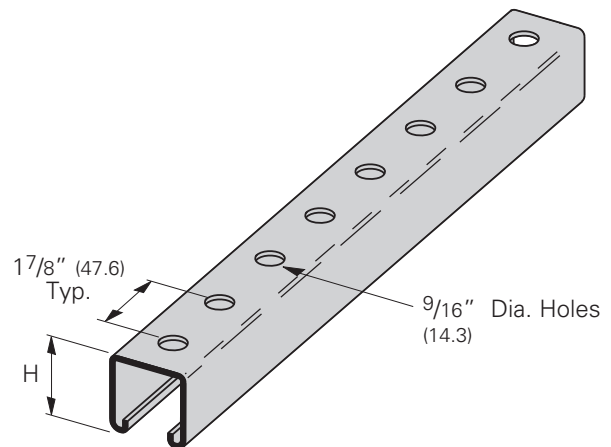
Part No.	Thickness	Height H		Weight	
		In.	mm	Lbs./Ft.	kg/m
B11S	12 Ga. (2.6)	3 <sup>1</sup> / <sub>4</sub> "	(82.5)	2.94	(4.37)
B12S	12 Ga. (2.6)	2 <sup>7</sup> / <sub>16</sub> "	(61.9)	2.36	(3.51)
B22S	12 Ga. (2.6)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.79	(2.66)
B24S	14 Ga. (1.9)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.32	(1.96)
B32S	12 Ga. (2.6)	1 <sup>3</sup> / <sub>8</sub> "	(34.9)	1.59	(2.36)
B42S	12 Ga. (2.6)	1"	(25.4)	1.33	(1.98)
B52S	12 Ga. (2.6)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	1.16	(1.72)
B54S	14 Ga. (1.9)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	.89	(1.32)



## B11H17/8 thru B56H17/8 H17/8 Type Channel

- For beam loads use 90% of Channel Loading Chart

Part No.	Thickness	Height H		Weight	
		In.	mm	Lbs./Ft.	kg/m
B11H17/8	12 Ga. (2.6)	3 <sup>1</sup> / <sub>4</sub> "	(82.5)	3.00	(4.46)
B12H17/8	12 Ga. (2.6)	2 <sup>7</sup> / <sub>16</sub> "	(61.9)	2.42	(3.60)
B22H17/8	12 Ga. (2.6)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.85	(2.75)
B24H17/8	14 Ga. (1.9)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.36	(2.02)
B32H17/8	12 Ga. (2.6)	1 <sup>3</sup> / <sub>8</sub> "	(34.9)	1.65	(2.45)
B42H17/8	12 Ga. (2.6)	1"	(25.4)	1.39	(2.07)
B52H17/8	12 Ga. (2.6)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	1.22	(1.81)
B54H17/8	14 Ga. (1.9)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	.93	(1.38)



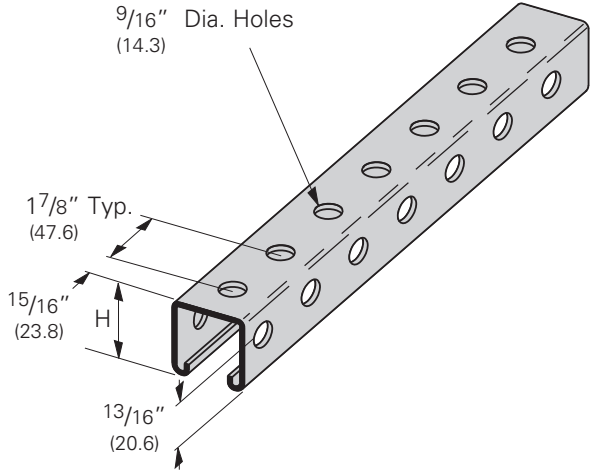
Reference page 48 for general fitting and standard finish specifications.

# Channel Hole Patterns

## B22TH TH Type Channel

• For beam loads use 90% of Channel Loading Chart

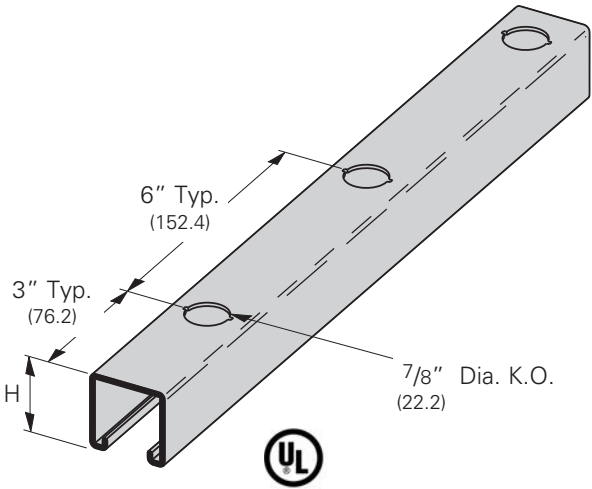
Part No.	Thickness	Height H		Weight	
		In.	mm	Lbs./Ft.	kg/m
B22TH	12 Ga. (2.6)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.76	(2.62)



## B11KO6 thru B56KO6 KO6 Type Knockout Channel

• For beam loads use 90% of Channel Loading Chart

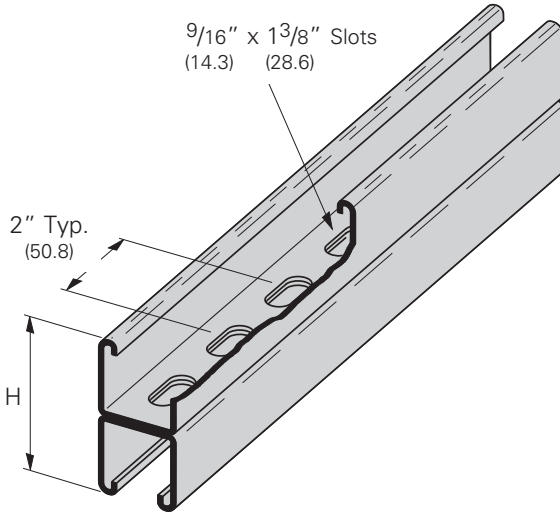
Part No.	Thickness	Height H		Weight	
		In.	mm	Lbs./Ft.	kg/m
B11KO6	12 Ga. (2.6)	3 <sup>1</sup> / <sub>4</sub> "	(82.5)	3.05	(4.54)
B12KO6	12 Ga. (2.6)	2 <sup>7</sup> / <sub>16</sub> "	(61.9)	2.47	(3.67)
B22KO6	12 Ga. (2.6)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.90	(2.83)
B24KO6	14 Ga. (1.9)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.40	(2.08)
B32KO6	12 Ga. (2.6)	1 <sup>3</sup> / <sub>8</sub> "	(34.9)	1.70	(2.53)
B42KO6	12 Ga. (2.6)	1"	(25.4)	1.44	(2.14)
B52KO6	12 Ga. (2.6)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	1.27	(1.89)
B54KO6	14 Ga. (1.9)	1 <sup>3</sup> / <sub>16</sub> "	(20.6)	.97	(1.44)



## B22SHA Back to Back SH Type Channel

• For beam loads use 90% of Channel Loading Chart

Part No.	Thickness	Height H		Weight	
		In.	mm	Lbs./Ft.	kg/m
B22SHA	12 Ga. (2.6)	3 <sup>1</sup> / <sub>4</sub> "	(82.5)	3.64	(5.42)
B52SHA	12 Ga. (2.6)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	2.38	(1.77)
B54SHA	14 Ga. (1.9)	1 <sup>5</sup> / <sub>8</sub> "	(41.3)	1.82	(1.35)



Reference page 48 for general fitting and standard finish specifications.