TECHNICAL DATA SHEET

Channel, three-sided half-slot

Four-sided functional modular channel

Superstrut®

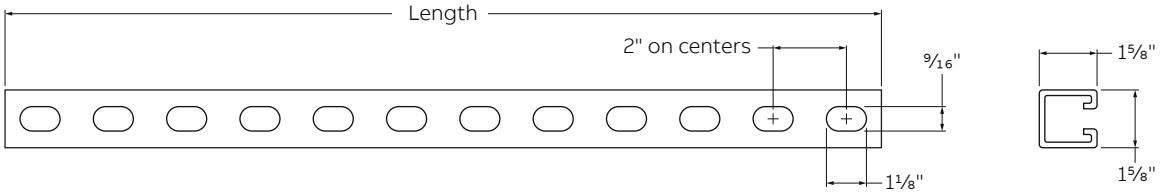
Standard A-size 12-gauge HR steel channel having slots on three sides designed for flexibility and modular installation applications.

Features:

- Available in two lengths (10 and 20 feet)
- Channels are 1⅝" x 1⅝" (41.28 x 41.28 mm)
- Half slots are 9⁄16" wide x 1⅛" (14.29 x 28.58 mm) by 2" (50.8 mm) center to center spacing

Finishes / Material:

- Pre-galvanized 12 gauge steel



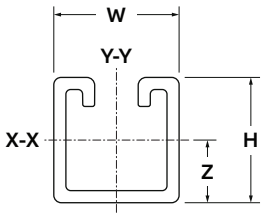
Product selection

Part no:	Finish	Length		Standard carton quantity
		Feet	Meters	
A12003HS 10	GoldGalv®	10	3.05	500
A12003HS 20	GoldGalv®	20	6.1	500
A12003HS 10EG	SilverGalv®	10	3.05	500
A12003HS 20EG	SilverGalv®	20	6.1	500
A12003HS10PG	Pre-galvanized	10	3.05	500
A12003HS20PG	Pre-galvanized	20	6.1	500

Note: Product must be installed in accordance with applicable national and local electrical codes.

Design table:

- I = Moment of Inerita
- S = Section Modulus
- r = Radius of Gyration
- Z = Nominal Axis
- A = Area



Properties

			X-X Axiz				Y-Y Axiz		
H (In.)	W (In.)	A (In^2.)	I (In^4.)	S (In3.)	r (In.)	Z (In.)	I (in^4.)	S (In^3.)	r (In.)
1.625	1.625	0.557	0.192	0.212	0.587	0.587	0.237	0.292	0.652

Load data table:

Load data

Beam span		Maximum uniform load		Maximum uniform deflection		Uniform load and deflection @ 1/180 span				Uniform load and deflection @ 1/360 span			
In.	(mm)	Lbs.	(kN)	In.	(mm)	In.	(mm)	Lbs.	(kN)	In.	(mm)	Lbs.	(kN)
18	(457)	1931	(8.59)	0.032	(.81)	0.100	(2.5)	Use values for Maximum Uniform Load		0.050	(1.3)	Use values for Maximum Uniform Load	
24	(610)	1448	(6.44)	0.057	(1.45)	0.133	(3.4)			0.067	(1.7)		
30	(762)	1158	(5.15)	0.089	(2.26)	0.167	(4.2)			0.084	(2.1)		
36	(914)	965	(4.29)	0.128	(3.25)	0.200	(5.1)			0.100	(2.5)	752	(3.34)
42	(1067)	827	(3.68)	0.175	(4.45)	0.233	(5.9)			0.133	(3.4)	554	(2.46)
48	(1219)	724	(3.22)	0.228	(5.79)	0.267	(6.8)			0.117	(3.0)	424	(1.88)
54	(1372)	644	(2.86)	0.288	(7.32)	0.300	(7.6)			0.150	(3.8)	335	(1.49)
60	(1524)	579	(2.58)	0.356	(9.04)	0.333	(8.5)	542	(2.41)	0.167	(4.2)	271	(1.21)
66	(1676)	527	(2.34)	0.431	(10.95)	0.367	(9.3)	448	(1.99)	0.183	(4.7)	224	(1.00)
72	(1829)	483	(2.15)	0.513	(13.03)	0.400	(10.2)	376	(1.67)	0.200	(5.1)	187	(0.83)
84	(2134)	414	(1.84)	0.698	(17.73)	0.467	(11.9)	276	(1.23)	0.233	(5.9)	139	(0.62)
96	(2438)	362	(1.61)	0.912	(23.16)	0.533	(13.5)	212	(0.94)	0.267	(6.8)	106	(0.47)
108	(2743)	322	(1.43)	1.154	(29.31)	0.600	(15.2)	167	(0.74)	0.300	(7.6)	84	(0.37)
120	(3048)	290	(1.29)	1.425	(36.20)	0.667	(17.2)	135	(0.60)	0.333	(8.5)	68	(0.30)

Note: To obtain values for concentrated loads, multiply the uniform load by 0.5, and the deflection by 0.8.

ABB Installation Products Inc.
Memphis, Tennessee
tnb.abb.com
USA