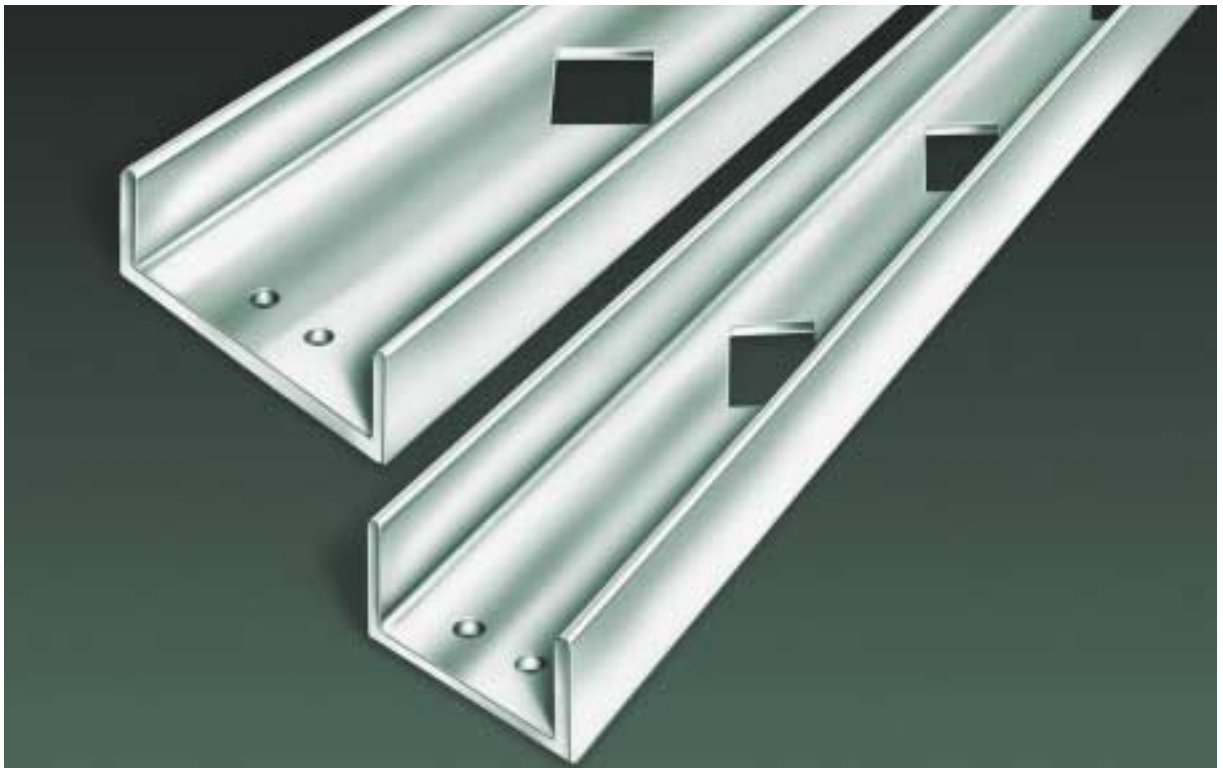


Series 5 Channel Cable Tray

Chalfant Series 5 Channel Cable Tray system offers a simple, inexpensive method of routing and supporting all types of light to heavy weight cables. It can also be used to support pneumatic or hydraulic hose or tubing. Series 5 channel cable tray has over 40 year proven track record with successful installations in all types of commercial, industrial and government applications.

- Installation cost is 40% to 60% less than pulling wire through conduit.
- Excellent ventilation permits full use of cable rating.
- Simple design saves layout and field modification time.
- Cables can be easily added or modified without redesigning the tray system.
- Choose from extruded aluminum, stainless steel or galvanized steel.
- Complete line of fittings and accessories provides the flexibility to meet any installation requirements.
- Built to NEMA 2002 standards. Meets NEC Article 392-5 and Made in the USA.

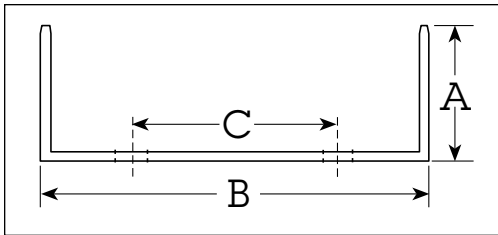


Straight Sections

Specifications/Dimensions

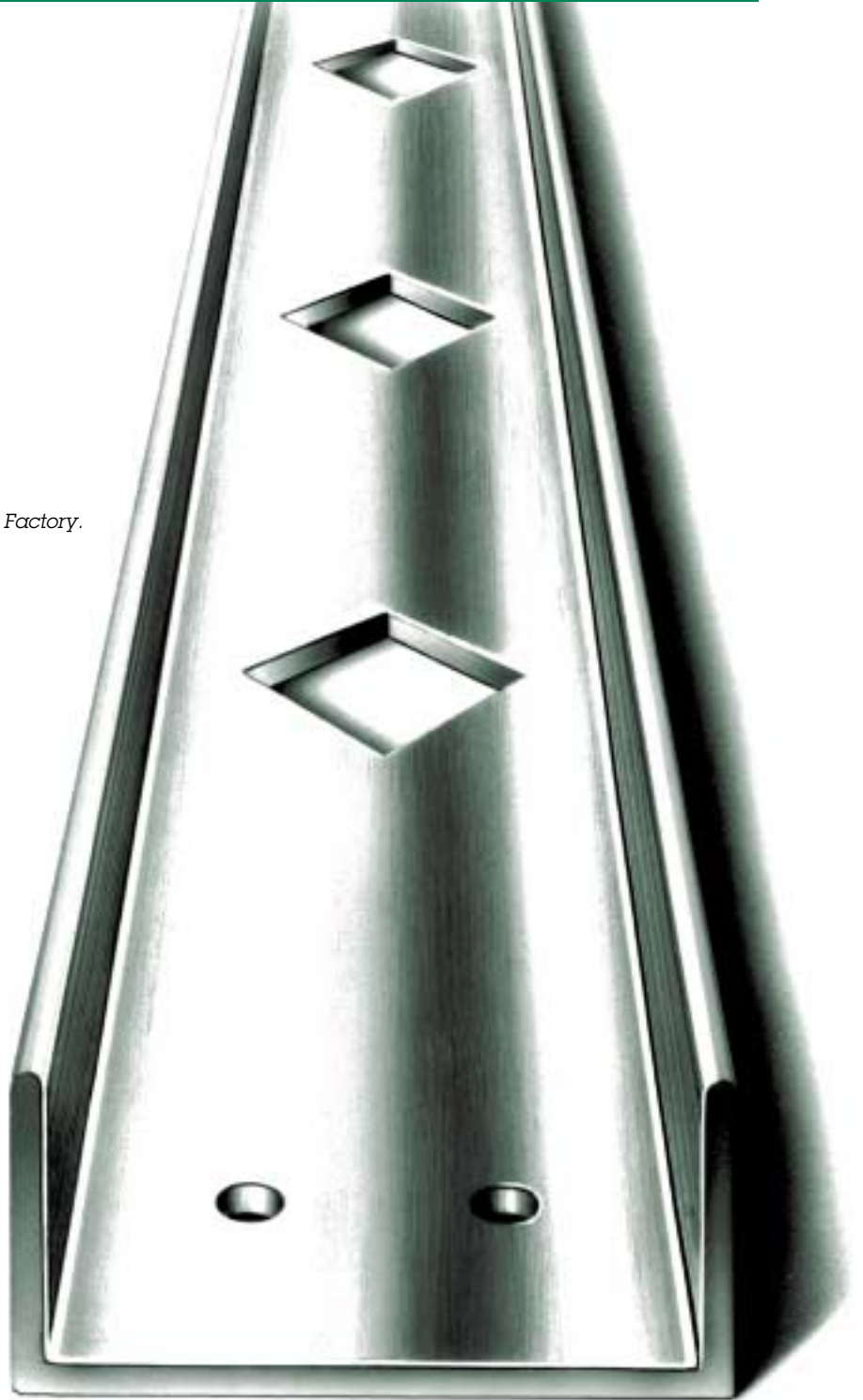
- Tray Widths: **4"** (102) (*standard*) and **6"** (152).
- Standard Lengths: **12'** (3658) and **24'** (7315).
- Loading Depths: **1.75"** (44) for both 4" and 6" width tray.
- Material: 6063-T6 extruded aluminum, 0,125" thick or 14-gage pre-galvanized or HDGAF steel. Also available in 304/316 stainless steel— Consult Factory.
- Drop-Outs: 1-5/8" square holes on 5-1/2" centers.
- Options: Tray is available with solid bottoms or can be provided with covers— Consult factory for details.

*** 4" wide aluminum is stocked for fast delivery.**
3" width is available for high volume orders— Consult Factory.



Tray Width	A	B	C
4"	1.75 (44)	4.00 (102)	1.250 (25,6)
6"	1.75 (44)	6.00 (152)	1.250 (25,6)

Channel



Cable Tray Selection

Load Chart for 4" and 6" Width Tray

	Span	6'		8'		10'		12'	
	Part Number	Load lbs./ft.(Kg/m)	Defl. in.(mm)	Load lbs./ft.(Kg/m)	Defl. in.(mm)	Load lbs./ft.(Kg/m)	Defl. in.(mm)	Load lbs./ft.(Kg/m)	Defl. in.(mm)
	4" Tray Width (Standard)	5A04010 (Aluminum)	48 (71.5)	0.60 (15)	27 (40)	1.07 (27)	17 (25)	1.64 (42)	12 (18)
	5S04010 (Steel)	40 (60)	0.43 (4)	22 (33)	0.74 (19)	14 (21)	1.15 (29)	10 (15)	1.71 (43)
6" Tray Width	5A06010 (Aluminum)	72 (107)	0.64 (16)	41 (61)	1.16 (29)	26 (39)	1.79 (45)	18 (27)	2.57 (65)
	5S06010 (Steel)	56 (83)	.033 (8)	32 (48)	0.60 (15)	20 (30)	0.92 (23)	14 (21)	1.33 (34)

Note: Simple Beam Data @ Factor of Safety = 1.5. Solid bottom models will handle a 15% greater load.

How to Order:

Each tray section, fitting or accessory is identified with a Chalfant Part Number. To order, provide the appropriate part number and quality.

Example: 6 sections of 4" wide aluminum channel tray, 12' long,

Specify: (6) - 5 A 04010

Material Code



- A** = Aluminum (**Standard**) 6063T6
- S** = Mil Gal to ASTM 653A, G-90 Coating
- G** = Hot Dipped Galvanized Steel after Fabrication, ASTM 123-B2
- T** = 304 Stainless Steel
- Z** = 316 Stainless Steel
- E** = Epoxy

Note: For solid bottom tray add a suffix "-S" to the end of the part number.

Series 5 Tray—Part Numbers

Tray Width	Load Depth	Aluminum Part Number		Galvanized Steel Part Number	
		12'	24'	12'	24'
4"	1.75	5A04010	5A04010-L	5S04010	5S04010-L
6"	1.75	5A06010	5A06010-L	5S06010	N/A

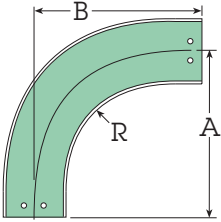
* Standard—Normally in stock.

Fittings

90° & 60° Fittings

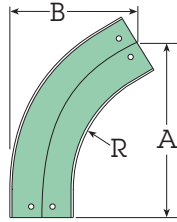
All Series 5 Fittings are solid bottom with a 3" tangent for easy fit-up during installation.

90° Horizontal Bend



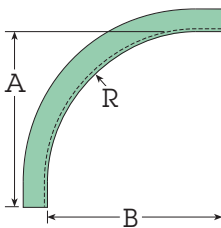
Radius R	Tray Width	Dimensions		Part Number
		A	B	
12 (305)	4 6	17 (432) 18.15 (461)	17 (432) 18.15 (461)	5 • 04030 5 • 06030
24 (610)	4 6	29 (737) 30 (762)	29 (737) 30 (762)	5 • 04032 5 • 06032
36 (914)	4 6	41 (1041) 42 (1067)	41 (1041) 42 (1067)	5 • 04033 5 • 06033
48 (1219)	4 6	54 (1346) 54 (1372)	53 (1346) 54 (1372)	5 • 04034 5 • 06034

60° Horizontal Bend



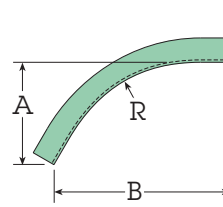
Radius R	Tray Width	Dimensions		Part Number
		A	B	
12 (305)	4 6	16.72 (425) 17.50 (445)	11.5 (292.1) 13.20 (335)	5 • 04025 5 • 06025
24 (610)	4 6	27.02 (686) 27.88 (708)	17.5 (445) 19.1 (485)	5 • 04027 5 • 06027
36 (914)	4 6	37.41 (950) 38.28 (972)	23.5 (599) 25.1 (638)	5 • 04028 5 • 06028
48 (1219)	4 6	47.80 (1214) 48.66 (1236)	29.6 (752) 31.1 (790)	5 • 04029 5 • 06029

90° Outside



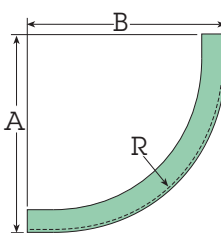
Radius R	Tray Width	Dimensions		Part Number
		A	B	
12 (305)	4 6	15 (381)	15 (381)	5 • 04050 5 • 06050
24 (610)	4 6	27 (686)	27 (686)	5 • 04052 5 • 06052
36 (914)	4 6	39 (991)	39 (991)	5 • 04053 5 • 06053
48 (1219)	4 6	51 (1295)	51 (1295)	5 • 04054 5 • 06054

60° Outside Bend



Radius R	Tray Width	Dimensions		Part Number
		A	B	
12 (305)	4 6	8.6 (218)	14.89 (378)	5 • 04045 5 • 06045
24 (610)	4 6	14.60 (371)	25.28 (642)	5 • 04047 5 • 06047
36 (914)	4 6	20.60 (523)	35.68 (907)	5 • 04048 5 • 06048
48 (1219)	4 6	26.60 (676)	46.07 (1170)	5 • 04049 5 • 06049

90° Inside

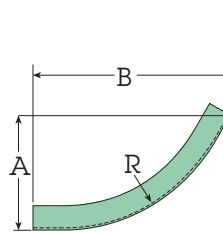


Radius R	Tray Width	Dimensions		Part Number
		A	B	
12 (305)	4 6	15 (381)	15 (381)	5 • 04070 5 • 06070
24 (610)	4 6	27 (686)	27 (686)	5 • 04072 5 • 06072
36 (914)	4 6	39 (991)	39 (991)	5 • 04073 5 • 06073
48 (1219)	4 6	51 (1295)	51 (1295)	5 • 04074 5 • 06074

Note: Each straight section and fitting comes with a splice plate and four (4) 9TBN302 nut and bolt assemblies.

* Type of Material—See Page 5-3 for Selection.

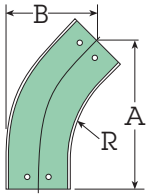
60° Inside Bend



Radius R	Tray Width	Dimensions		Part Number
		A	B	
12 (305)	4 6	8.6 (218)	14.89 (378)	5 • 04065 5 • 06065
24 (610)	4 6	14.60 (371)	25.28 (642)	5 • 04067 5 • 06067
36 (914)	4 6	20.60 (523)	35.68 (907)	5 • 04068 5 • 06068
48 (1219)	4 6	26.60 (676)	46.07 (1170)	5 • 04069 5 • 06069

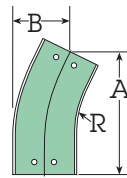
45° & 30° Fittings

45° Horizontal Bend



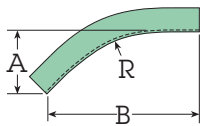
Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	15.02 (382)	8.22 (209)	5 • 04020
	6	15.80 (401)	9.6 (244)	5 • 06020
24	4	23.50 (597)	11.74 (298)	5 • 04022
	6	24.21 (615)	13.03 (331)	5 • 06022
36	4	31.99 (813)	15.25 (387)	5 • 04023
	6	32.70 (831)	16.54 (420)	5 • 06023
48	4	40.48 (1028)	18.76 (427)	5 • 04024
	6	41.18 (1046)	20.04 (509)	5 • 06024

30° Horizontal Bend



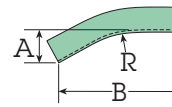
Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	12.60 (320)	5.38 (137)	5 • 04015
	6	13.10 (332)	6.50 (165)	5 • 06015
24	4	18.60 (472)	6.99 (178)	5 • 04017
	6	19.10 (485)	8.12 (206)	5 • 06017
36	4	24.60 (625)	8.59 (219)	5 • 04018
	6	25.10 (638)	9.72 (247)	5 • 06018
48	4	30.60 (777)	10.20 (259)	5 • 04019
	6	31.10 (790)	11.34 (288)	5 • 06019

45° Outside Bend



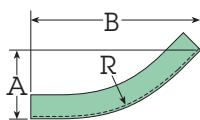
Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	5.63 (143)	13.61 (356)	5 • 04040
	6			5 • 06040
24	4	9.15 (232)	22.09 (561)	5 • 04042
	6			5 • 06042
36	4	12.66 (322)	30.58 (777)	5 • 04043
	6			5 • 06043
48	4	16.18 (411)	39.06 (992)	5 • 04044
	6			5 • 06044

30° Outside Bend



Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	3.11 (79)	11.60 (295)	5 • 04035
	6			5 • 06035
24	4	4.72 (120)	17.60 (447)	5 • 04037
	6			5 • 06037
36	4	6.32 (161)	23.60 (599)	5 • 04038
	6			5 • 06038
48	4	7.93 (201)	29.60 (752)	5 • 04039
	6			5 • 06039

45° Inside Bend

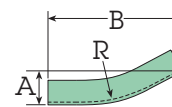


Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	5.63 (143)	13.61 (356)	5 • 04050
	6			5 • 06050
24	4	9.15 (232)	22.09 (561)	5 • 04052
	6			5 • 06052
36	4	12.66 (322)	30.58 (777)	5 • 04053
	6			5 • 06053
48	4	16.18 (411)	39.06 (992)	5 • 04054
	6			5 • 06054

Note: Each straight section and fitting comes with a splice plate and four (4) 9TBN302 nut and bolt assemblies.

* Type of Material—
See Page 5-3 for
Selection.

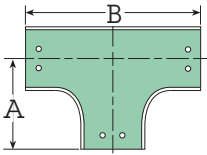
30° Inside Bend



Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	3.11 (79)	11.60 (295)	5 • 04055
	6			5 • 06055
24	4	4.72 (120)	17.60 (447)	5 • 04057
	6			5 • 06057
36	4	6.32 (161)	23.60 (599)	5 • 04058
	6			5 • 06058
48	4	7.93 (201)	29.60 (752)	5 • 04059
	6			5 • 06059

Fittings

Tee



Radius R	Tray Width	Dimensions		Part Number
		A	B	
12	4	17 (432)	34 (864)	5 • 04085
	6	18 (457)	36 (914)	5 • 06085
24	4	29 (737)	58 (1473)	5 • 04087
	6	30 (762)	60 (1524)	5 • 06087
36	4	41 (1041)	82 (2083)	5 • 04088
	6	42 (1067)	84 (2134)	5 • 06088
48	4	54 (1346)	106 (2692)	5 • 04089
	6	54 (1372)	108 (2743)	5 • 06089

Note: Each straight section and fitting comes with a splice plate and four (4) 9TBN302 nut and bolt assemblies.

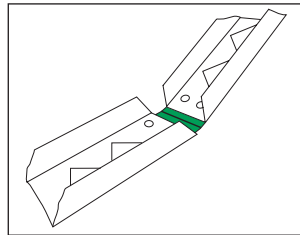
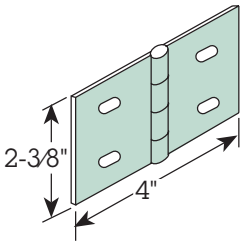
* Type of Material—
See Page 5-3 for Selection.

Splice Plates, Support Equipment and Accessories

Note: All splice plates, blind ends, etc. are shipped with necessary hardware.

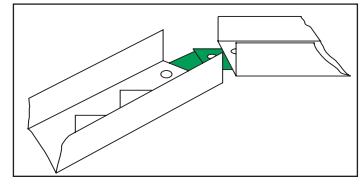
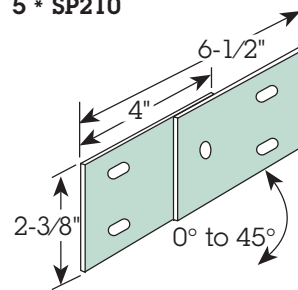
Vertical Adjustable Splice Plate

5 • SP212



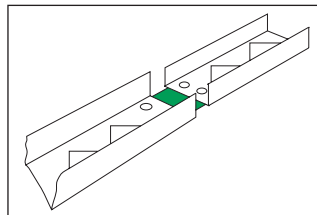
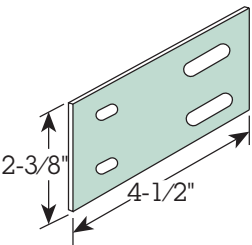
Horizontal Adjustable Splice Plate

5 • SP210



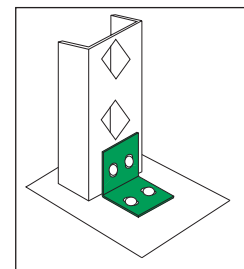
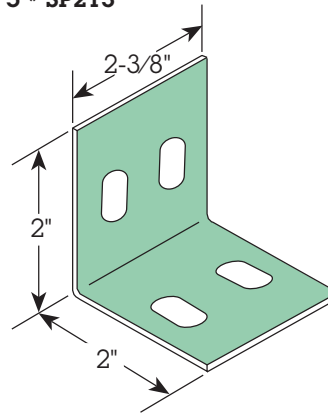
Expansion Splice Plate

5 • SP201



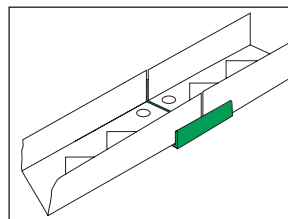
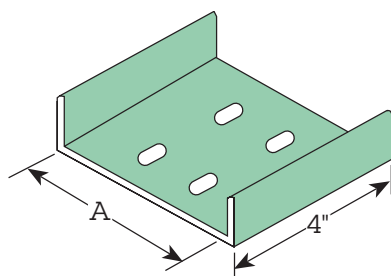
90° Tray to Box Splice Plate

5 • SP213



Channel

Channel Splice Plate

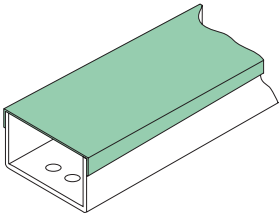


A	Part Number
4.015 ± .011	5 • 04200
6.390 ± .011	5 • 06200

Covers & Accessories

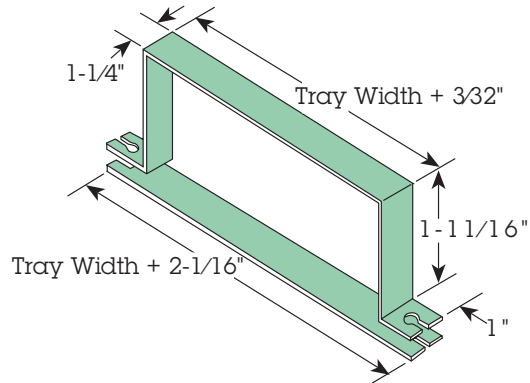
Covers and Cover Straps

7 * 04010
7 * 06010



Covers and Cover Straps

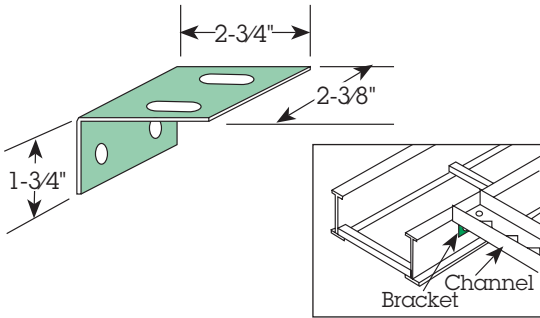
7 * 04692



Supplied with (2) #1024 X 3/4 truss head screws and flange nuts.

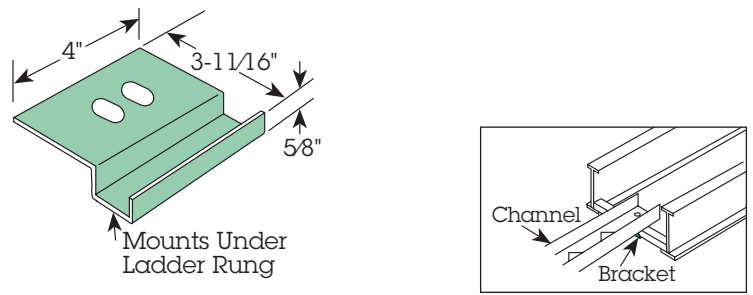
Channel to Ladder Tray Bracket

5 * CB422



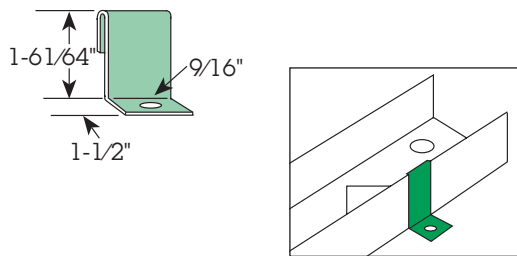
Channel to Ladder Tray Adapter

5 * 04499



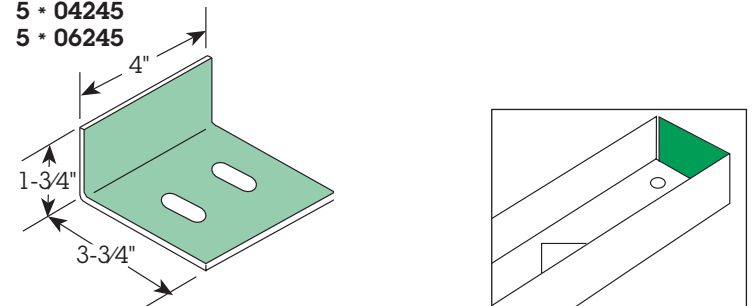
Channel Hold-Down Clamp

5 * OB248

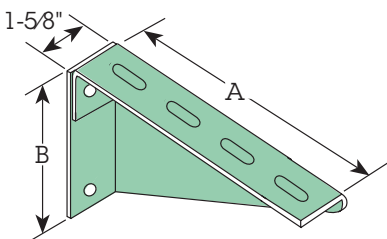


Blind End

5 * 04245
5 * 06245



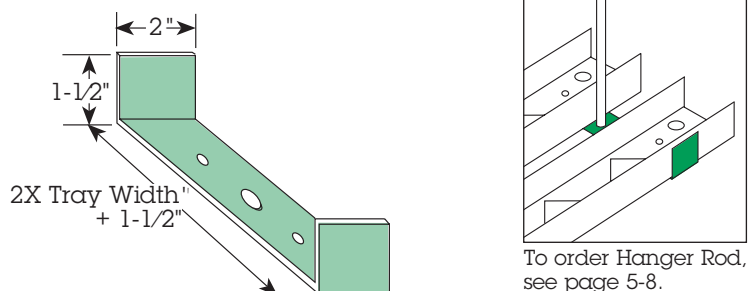
Shelf Style Wall Bracket



Tray Width	A	B	Part Number
4"	6.00	3.00	9S06322
6"	10.00	3.00	9S10322

Double Channel Bracket

5 * 04273



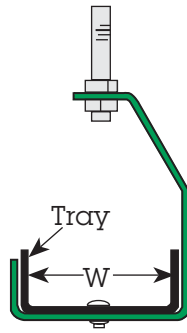
To order Hanger Rod, see page 5-8.

Channel

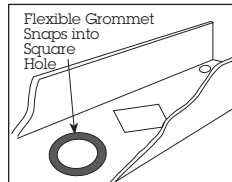
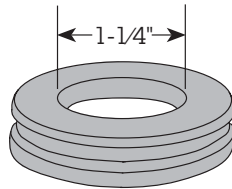
Accessories

Single Support Bracket 5S W 272

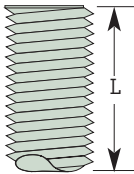
This Z bracket gives a very good single support to 4" and 6" width tray. Use with 1/2" rod with supports on 6' centers. Tray bolts directly to bracket. (Field drill 3/8" hole in tray.)



Drop Out Grommet 5RG198



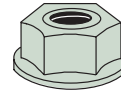
Hanger Rods



L	Part Number	
	3/8"-16	1/2"-13
12"	9S12310	9S12312
24"	9S24310	9S24312
36"	9S36310	9S36312
48"	9S48310	9S48312
72"	9S72310	9S72312
120"	9S120310	9S120312

Flanged Washer/Hex Nut

9S38309 3/8" - 16
9S12309 1/2" - 13



Misc. Accessories

9S38574 3/8" - 16 X 1" Hex Head Machine Bolt
9S38307 3/8" - Washer
9S38318 3/8" - 16 Beam Clamp - Malleable Iron Plated

Splice Plate Nut & Bolt Assembly 9TBN302

This is Chalfant's exclusive standard splice plate nut and bolt assembly. Made from 302SS, it has a round truss head-serrated and integral flanged serrated lock washer hex nut. Bolt is torqued properly at 20 ft. lbs.

