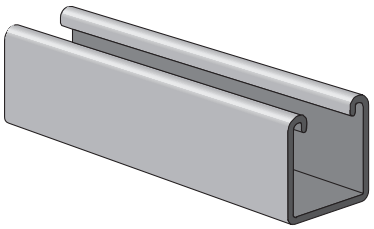
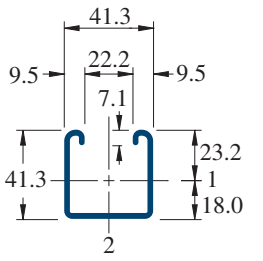
UBS INDUSTRIES

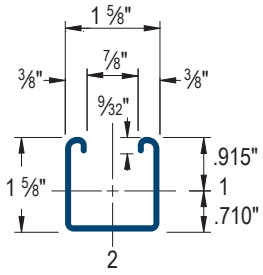
SUBMITTAL SHEETS

CH1000

1-5/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft:189 Lbs







Materials & Finishes: PG, HG, PL, AL, SS, FG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
[Stainless Steel: Channel	* SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	* SS316	A 240 TYPE 316	
Aluminum: Channel	* AL	B 221 TYPE 6063 T5/T6	Aluminum alloy extruded bar, rod, wire, shape and tube.
Fiberglass: Channel	FG	Polyester and vinyl ester channels are manufactured from the pultrusion process and are color coded gray and beige respectively.	
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.	
Special Coatings	PL, GOLD	Other commercially available finishes can be supplied per specification when required to protect applications.	

*** These materials have different physical properties and performance characteristics. Please Contact UBS for design support.**

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH1000	24	1,690	0.06	1,690	1,690	1,690
	36	1,130	0.13	1,130	1,130	900
	48	850	0.22	850	760	500
	60	680	0.35	650	480	320
	72	560	0.50	450	340	220
	84	480	0.68	330	250	160
	96	420	0.89	250	190	130
	108	380	1.14	200	150	100
	120	340	1.40	160	120	80
	144	280	2.00	110	80	60
	168	240	2.72	80	60	40
	192	210	3.55	60	50	NR
	216	190	4.58	50	40	NR
	240	170	5.62	40	NR	NR

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH1000	24	3,550	10,740	9,890	8,770	7,740
	36	3,190	8,910	7,740	6,390	5,310
	48	2,770	7,260	6,010	4,690	3,800
	60	2,380	5,910	4,690	3,630	2,960
	72	2,080	4,840	3,800	2,960	2,400
	84	1,860	4,040	3,200	2,480	1,980
	96	1,670	3,480	2,750	2,110	1,660
	108	1,510	3,050	2,400	1,810	**
	120	1,380	2,700	2,110	**	**
	144	1,150	2,180	1,660	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH1000	0.555	0.185	0.202	0.577	0.236	0.290	0.651

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85% **"DS" Series - 70%**
Refer to the UBS Products Catalog for loading information

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

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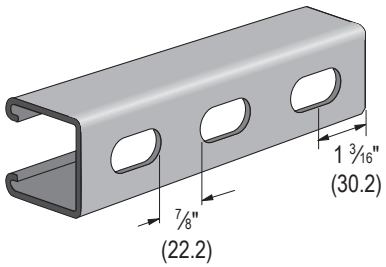
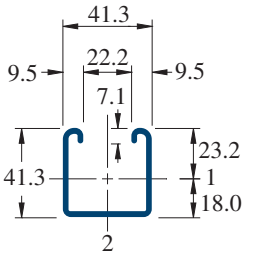
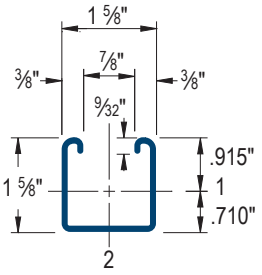
CH1000T

1-5/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft:185 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Centre





Materials & Finishes: PG, HG, PL, SS, FG Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
[Stainless Steel: Channel	* SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	* SS316	A 240 TYPE 316	
Fiberglass: Channel	FG	Polyester and vinyl ester channels are manufactured from the pultrusion process and are color coded gray and beige respectively.	
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.	
Special Coatings	PL, GOLD	Other commercially available finishes can be supplied per specification when required to protect applications.	

*** These materials have different physical properties and performance characteristics. Please Contact UBS for design support.**

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH1000	24	1,690	0.06	1,690	1,690	1,690
	36	1,130	0.13	1,130	1,130	900
	48	850	0.22	850	760	500
	60	680	0.35	650	480	320
	72	560	0.50	450	340	220
	84	480	0.68	330	250	160
	96	420	0.89	250	190	130
	108	380	1.14	200	150	100
	120	340	1.40	160	120	80
	144	280	2.00	110	80	60
	168	240	2.72	80	60	40
	192	210	3.55	60	50	NR
	216	190	4.58	50	40	NR
	240	170	5.62	40	NR	NR

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH1000	24	3,550	10,740	9,890	8,770	7,740
	36	3,190	8,910	7,740	6,390	5,310
	48	2,770	7,260	6,010	4,690	3,800
	60	2,380	5,910	4,690	3,630	2,960
	72	2,080	4,840	3,800	2,960	2,400
	84	1,860	4,040	3,200	2,480	1,980
	96	1,670	3,480	2,750	2,110	1,660
	108	1,510	3,050	2,400	1,810	**
	120	1,380	2,700	2,110	**	**
	144	1,150	2,180	1,660	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH1000	0.555	0.185	0.202	0.577	0.236	0.290	0.651

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85% **"DS" Series - 70%**

Refer to the UBS Products Catalog for loading information

Project Information:	Approval Stamp:
Project:	
Date: **Phone:**	
Architect / Engineer:	
Contractor:	
Address:	
Notes 1:	

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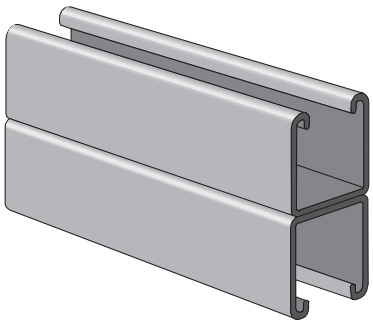
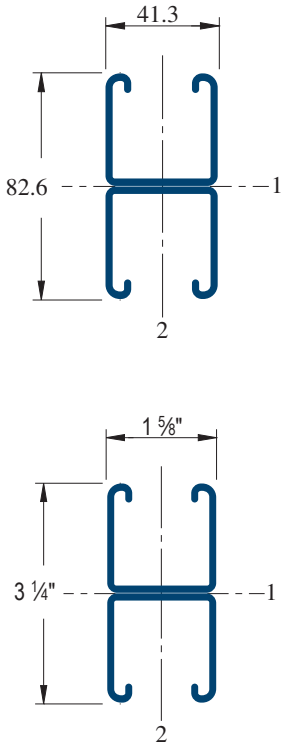
CH1001

3-¼" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft:378 Lbs





Materials & Finishes: PG, HG, PL, SS

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
[Stainless Steel: Channel	* SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	* SS316	A 240 TYPE 316	
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.	
Special Coatings	PL, GOLD	Other commercially available finishes can be supplied per specification when required to protect applications.	

*** These materials have different physical properties and performance characteristics. Please Contact UBS for design support.**

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH1001	24	3,500*	0.02	3,500*	3,500*	3,500*
	36	3,190	0.07	3,190	3,190	3,190
	48	2,390	0.13	2,390	2,390	2,390
	60	1,910	0.20	1,910	1,910	1,620
	72	1,600	0.28	1,600	1,600	1,130
	84	1,370	0.39	1,370	1,240	830
	96	1,200	0.51	1,200	950	630
	108	1,060	0.64	1,000	750	500
	120	960	0.79	810	610	410
	144	800	1.14	560	420	280
	168	680	1.53	410	310	210
	192	600	2.02	320	240	160
	216	530	2.54	250	190	130
	240	480	3.16	200	150	100

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH1001	24	6,430	24,280	23,610	22,700	21,820
	36	6,290	22,810	21,820	20,650	19,670
	48	6,160	21,410	20,300	18,670	16,160
	60	6,000	20,210	18,670	15,520	12,390
	72	5,620	18,970	16,160	12,390	8,950
	84	5,170	16,950	13,630	9,470	6,580
	96	4,690	14,890	11,190	7,250	5,040
	108	4,170	12,850	8,950	5,730	3,980
	120	3,690	10,900	7,250	4,640	**
	144	2,930	7,630	5,040	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH1001	1.111	0.928	0.571	0.914	0.471	0.580	0.651

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85% **"DS" Series - 70%**
Refer to the UBS Products Catalog for loading information

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

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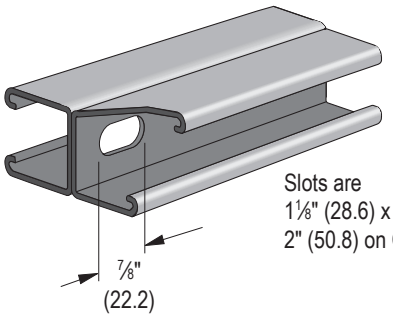
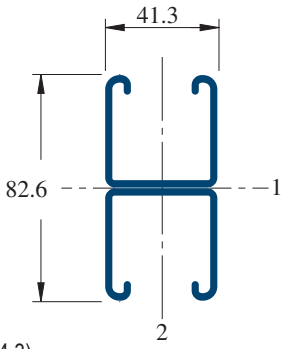
CH1001T

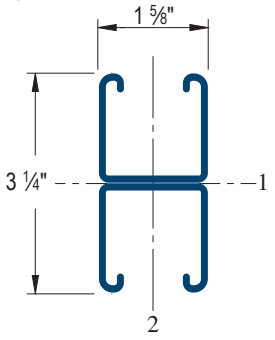
3-¼" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft:321 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Centre

⅞"
(22.2)





Materials & Finishes: PG, HG, SS

Lengths: 10' & 20'

Channel Material & Finish Specifications

Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
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Aluminum: Channel	* AL	B 221 TYPE 6063 T5/T6	Aluminum alloy extruded bar, rod, wire, shape and tube.
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Special Coatings	PL, GOLD	Other commercially available finishes can be supplied per specification when required to protect applications.	

*** These materials have different physical properties and performance characteristics. Please Contact UBS for design support.**

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH1001	24	3,500*	0.02	3,500*	3,500*	3,500*
	36	3,190	0.07	3,190	3,190	3,190
	48	2,390	0.13	2,390	2,390	2,390
	60	1,910	0.20	1,910	1,910	1,620
	72	1,600	0.28	1,600	1,600	1,130
	84	1,370	0.39	1,370	1,240	830
	96	1,200	0.51	1,200	950	630
	108	1,060	0.64	1,000	750	500
	120	960	0.79	810	610	410
	144	800	1.14	560	420	280
	168	680	1.53	410	310	210
	192	600	2.02	320	240	160
	216	530	2.54	250	190	130
	240	480	3.16	200	150	100

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH1001	24	6,430	24,280	23,610	22,700	21,820
	36	6,290	22,810	21,820	20,650	19,670
	48	6,160	21,410	20,300	18,670	16,160
	60	6,000	20,210	18,670	15,520	12,390
	72	5,620	18,970	16,160	12,390	8,950
	84	5,170	16,950	13,630	9,470	6,580
	96	4,690	14,890	11,190	7,250	5,040
	108	4,170	12,850	8,950	5,730	3,980
	120	3,690	10,900	7,250	4,640	**
	144	2,930	7,630	5,040	**	**

Elements of Section

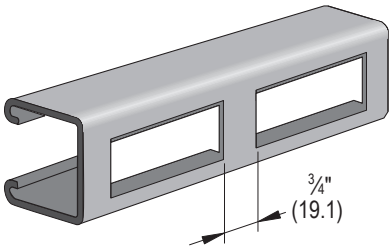
Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH1001	1.111	0.928	0.571	0.914	0.471	0.580	0.651

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85% **"DS" Series - 70%**
Refer to the UBS Products Catalog for loading information

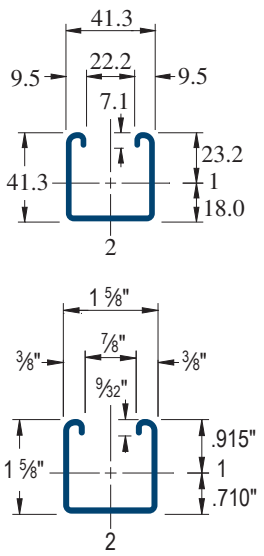
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

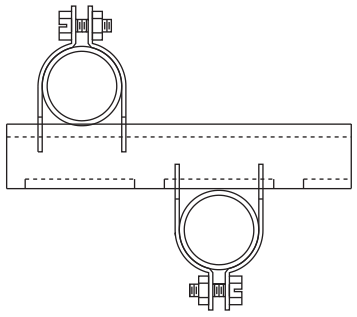
CH1000DS

1-5/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft:173 Lbs



Slots are 2¾" (69.9) x ⅞" (22.2)
3½" (88.9) on Center





The unique oversized slots in the CH1000DS allow pipe clamps to be mounted on either side of the channel

Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
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Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH1000	24	1,690	0.06	1,690	1,690	1,690
	36	1,130	0.13	1,130	1,130	900
	48	850	0.22	850	760	500
	60	680	0.35	650	480	320
	72	560	0.50	450	340	220
	84	480	0.68	330	250	160
	96	420	0.89	250	190	130
	108	380	1.14	200	150	100
	120	340	1.40	160	120	80
	144	280	2.00	110	80	60
	168	240	2.72	80	60	40
	192	210	3.55	60	50	NR
	216	190	4.58	50	40	NR
	240	170	5.62	40	NR	NR

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH1000	24	3,550	10,740	9,890	8,770	7,740
	36	3,190	8,910	7,740	6,390	5,310
	48	2,770	7,260	6,010	4,690	3,800
	60	2,380	5,910	4,690	3,630	2,960
	72	2,080	4,840	3,800	2,960	2,400
	84	1,860	4,040	3,200	2,480	1,980
	96	1,670	3,480	2,750	2,110	1,660
	108	1,510	3,050	2,400	1,810	**
	120	1,380	2,700	2,110	**	**
	144	1,150	2,180	1,660	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH1000	0.555	0.185	0.202	0.577	0.236	0.290	0.651

Notes:
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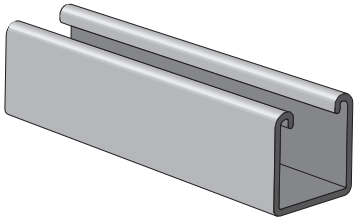
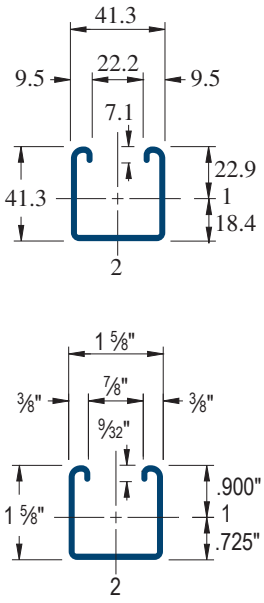
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85% **"DS" Series - 70%**
Refer to the UBS Products Catalog for loading information

Project Information:	Approval Stamp:
Project:	
Date: **Phone:**	
Architect / Engineer:	
Contractor:	
Address:	
Notes 1:	

CH1100

1-5/8" x 1-5/8" - 14 Gauge Channel
Wt/100 Ft:142 Lbs





Beam Loading

Channel No.	Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH1100	24	1,350	0.06	1,350	1,350	1,350
	36	900	0.13	900	900	700
	48	680	0.23	680	590	400
	60	540	0.36	510	380	250
	72	450	0.51	350	260	180
	84	390	0.70	260	190	130
	96	340	0.92	200	150	100
	108	300	1.15	160	120	80
	120	270	1.42	130	90	60
	144	230	2.09	90	70	40
	168	190	2.75	60	50	30
	192	170	3.67	50	40	NR
	216	150	4.61	40	30	NR
	240	140	5.90	30	NR	NR

Column Loading

Channel No.	Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH1100	24	2,800	8,040	7,330	6,360	5,430
	36	2,410	6,480	5,430	4,190	3,210
	48	1,940	4,990	3,830	2,760	2,160
	60	1,550	3,740	2,760	2,050	1,640
	72	1,290	2,860	2,160	1,640	1,320
	84	1,100	2,310	1,780	1,370	1,110
	96	950	1,950	1,520	1,180	950
	108	840	1,690	1,320	1,030	**
	120	760	1,490	1,180	**	**
	144	630	1,210	950	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH1100	0.418	0.145	0.162	0.589	0.176	0.217	0.650

Notes:
** KL/r > 200
NR = Not Recommended.
Refer to the UBS Products Catalog for loading information

Materials & Finishes: PG

Lengths: 10' & 20'

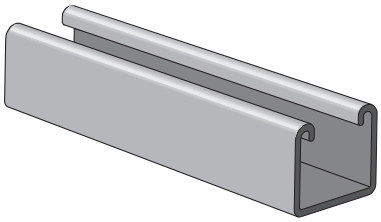
Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

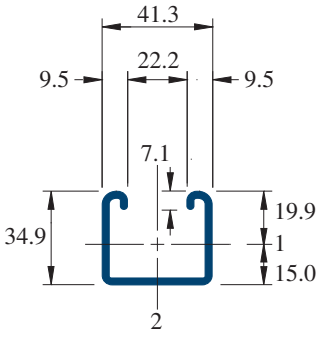
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

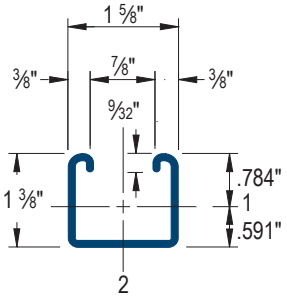
CH3000

1-3/8" x 1-5/8" - 12 Gauge Channel

Wt/100 Ft: 170Lbs







Beam Loading

Channel No.	Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH3000	24	1,280	0.07	1,280	1,280	1,280
	36	850	0.15	850	850	580
	48	640	0.26	640	490	330
	60	510	0.41	420	310	210
	72	430	0.59	290	220	150
	84	370	0.81	210	160	110
	96	320	1.05	160	120	80
	108	280	1.30	130	100	60
	120	260	1.66	100	80	50
	144	210	2.32	70	50	40
	168	180	3.15	50	40	30
	192	160	4.18	40	30	NR
	216	140	5.21	NR	NR	NR
	240	130	6.64	NR	NR	NR

Column Loading

Channel No.	Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH3000	24	3,180	9,690	8,980	8,050	7,210
	36	2,920	8,160	7,210	6,130	5,240
	48	2,590	6,820	5,810	4,730	3,860
	60	2,300	5,740	4,730	3,690	2,990
	72	2,040	4,850	3,860	2,990	2,270
	84	1,830	4,100	3,240	2,400	**
	96	1,650	3,530	2,770	1,840	**
	108	1,450	3,080	2,270	**	**
	120	1,250	2,710	1,840	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH3000	0.500	0.120	0.153	0.489	0.203	0.250	0.638

Notes:

** Kl/r > 200

NR = Not Recommended.

Refer to the UBS Products Catalog for loading information

Materials & Finishes: PG

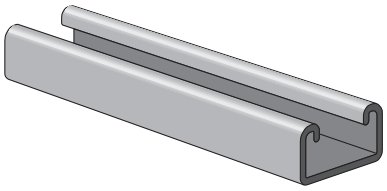
Lengths: 10' & 20'

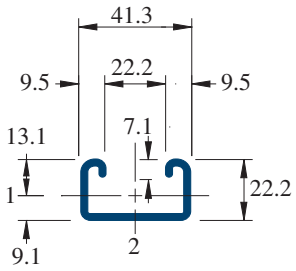
Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

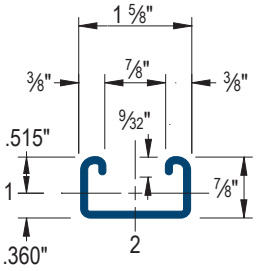
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CH3300

7/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft: 134 Lbs







Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH3300	24	600	0.10	600	600	400
	36	400	0.22	360	270	180
	48	300	0.40	200	150	100
	60	240	0.62	130	100	60
	72	200	0.89	90	70	40
	84	170	1.20	70	50	30
	96	150	1.59	50	40	30
	108	130	1.96	40	30	20
	120	120	2.48	30	20	20
	144	-	-	-	-	-

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH3300	24	2,360	7,740	7,260	6,350	5,390
	36	2,120	6,470	5,390	3,990	2,810
	48	1,760	4,910	3,550	2,270	1,580
	60	1,380	3,440	2,270	1,460	**
	72	1,080	2,390	1,580	**	**
	84	-	-	-	-	-
	96	-	-	-	-	-
	108	-	-	-	-	-

Materials & Finishes: PG, HG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.	

Elements of Section

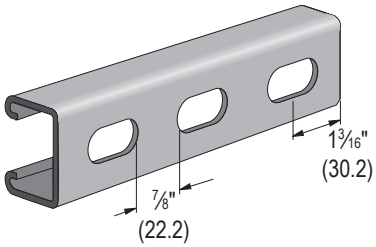
Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH3300	0.395	0.037	0.072	0.306	0.143	0.176	0.601

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

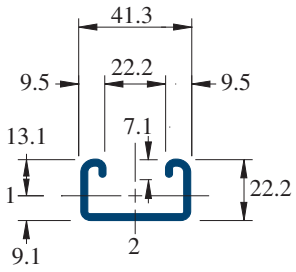
Project Information:	Approval Stamp:
Project:	
Date: **Phone:**	
Architect / Engineer:	
Contractor:	
Address:	
Notes 1:	

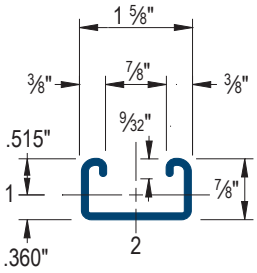
CH3300T

7/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft: 130 Lbs



Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center





Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH3300	24	600	0.10	600	600	400
	36	400	0.22	360	270	180
	48	300	0.40	200	150	100
	60	240	0.62	130	100	60
	72	200	0.89	90	70	40
	84	170	1.20	70	50	30
	96	150	1.59	50	40	30
	108	130	1.96	40	30	20
	120	120	2.48	30	20	20
	144	-	-	-	-	-

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH3300	24	2,360	7,740	7,260	6,350	5,390
	36	2,120	6,470	5,390	3,990	2,810
	48	1,760	4,910	3,550	2,270	1,580
	60	1,380	3,440	2,270	1,460	**
	72	1,080	2,390	1,580	**	**
	84	-	-	-	-	-
	96	-	-	-	-	-
	108	-	-	-	-	-

Materials & Finishes: PG, HG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.	

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH3300	0.395	0.037	0.072	0.306	0.143	0.176	0.601

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

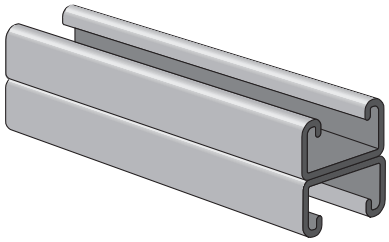
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

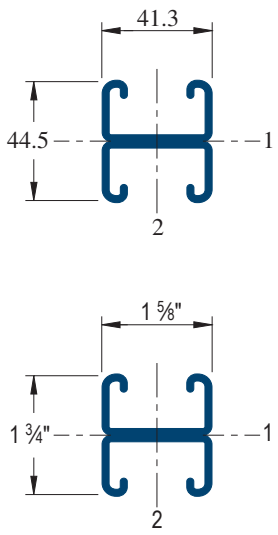
UBS INDUSTRIES

SUBMITTAL SHEETS

CH3301

1-¾" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft: 269 Lbs





Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH3301	24	1,690	0.06	1,690	1,690	1,690
	36	1,130	0.13	1,130	1,130	860
	48	840	0.23	840	720	480
	60	680	0.37	620	460	310
	72	560	0.52	430	320	210
	84	480	0.71	310	240	160
	96	420	0.93	240	180	120
	108	380	1.20	190	140	100
	120	340	1.47	150	120	80
	144	280	2.09	110	80	50

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH3301	24	4,290	16,990	16,580	15,770	14,720
	36	4,150	15,890	14,720	12,980	11,120
	48	3,940	14,160	12,360	9,880	7,510
	60	3,650	12,210	9,880	6,940	4,820
	72	3,270	10,190	7,510	4,820	3,350
	84	2,800	8,220	5,530	3,540	**
	96	2,410	6,420	4,240	**	**
	108	2,080	5,070	3,350	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH3301	0.790	0.176	0.201	0.472	0.285	0.351	0.601

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

Materials & Finishes: PG, HG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.	

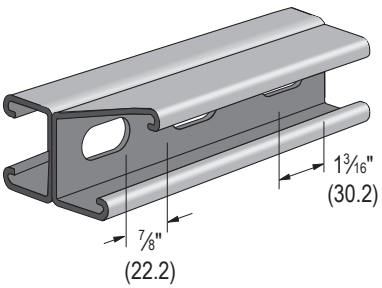
Project Information:	Approval Stamp:
Project:	
Date: **Phone:**	
Architect / Engineer:	
Contractor:	
Address:	
Notes 1:	

UBS INDUSTRIES

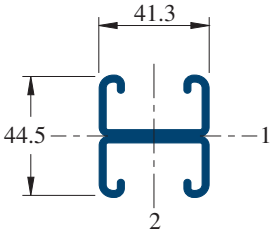
SUBMITTAL SHEETS

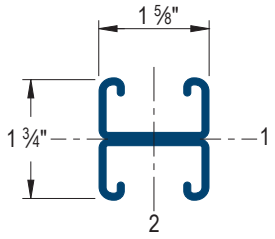
CH3301T

1-¾" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft: 260 Lbs



Slots are
1⅛" (28.6) x 9⁄16" (14.3)
2" (50.8) on Center





Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH3301	24	1,690	0.06	1,690	1,690	1,690
	36	1,130	0.13	1,130	1,130	860
	48	840	0.23	840	720	480
	60	680	0.37	620	460	310
	72	560	0.52	430	320	210
	84	480	0.71	310	240	160
	96	420	0.93	240	180	120
	108	380	1.20	190	140	100
	120	340	1.47	150	120	80
	144	280	2.09	110	80	50

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH3301	24	4,290	16,990	16,580	15,770	14,720
	36	4,150	15,890	14,720	12,980	11,120
	48	3,940	14,160	12,360	9,880	7,510
	60	3,650	12,210	9,880	6,940	4,820
	72	3,270	10,190	7,510	4,820	3,350
	84	2,800	8,220	5,530	3,540	**
	96	2,410	6,420	4,240	**	**
	108	2,080	5,070	3,350	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH3301	0.790	0.176	0.201	0.472	0.285	0.351	0.601

Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

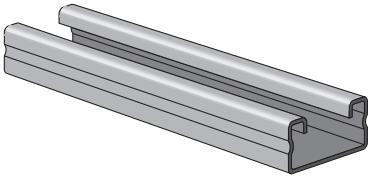
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

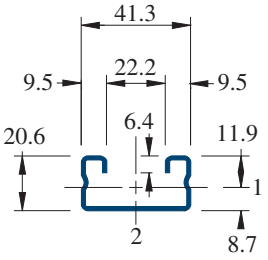
UBS INDUSTRIES

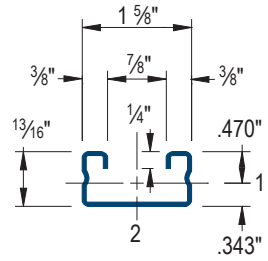
SUBMITTAL SHEETS

CH4000

13/16" x 1-5/8" - 16 Gauge Channel
Wt/100 Ft: 83 Lbs







Beam Loading

Channel No.	Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH4000	24	410	0.11	410	370	250
	36	270	0.24	220	170	110
	48	200	0.43	120	90	60
	60	160	0.67	80	60	40
	72	140	1.01	60	40	30
	84	120	1.38	40	30	20
	96	100	1.72	30	20	20
	108	90	2.20	20	20	10
	120	80	2.68	20	10	10

Column Loading

Channel No.	Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH4000	24	1,630	4,670	4,290	3,780	3,310
	36	1,450	3,840	3,310	2,460	1,730
	48	1,160	3,030	2,190	1,400	970
	60	870	2,120	1,400	900	**
	72	670	1,470	970	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH4000	0.244	0.023	0.049	0.306	0.092	0.113	0.613

Notes:
** Kl/r > 200
NR = Not Recommended.
Refer to the UBS Products Catalog for loading information

Materials & Finishes: PG, AL, SS

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
[Stainless Steel: Channel	* SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	* SS316	A 240 TYPE 316	
Aluminum: Channel	* AL	B 221 TYPE 6063 T5/T6	Aluminum alloy extruded bar, rod, wire, shape and tube.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
* These materials have different physical properties and performance characteristics. Please Contact UBS for design support.			

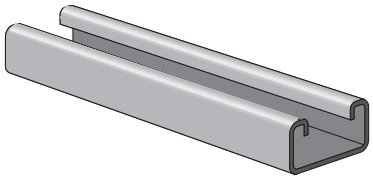
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

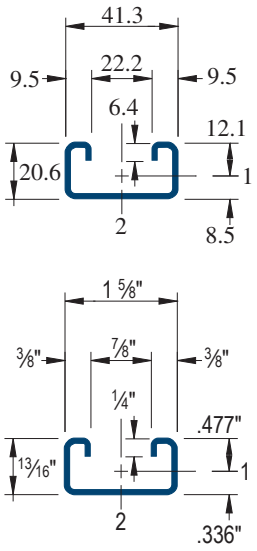
UBS INDUSTRIES

SUBMITTAL SHEETS

CH4100

13⁄16" x 1-5⁄8" - 14 Gauge Channel
Wt/100 Ft: 98 Lbs





Beam Loading

Channel No.	Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH4100	24	450	0.11	450	420	280
	36	300	0.24	250	190	130
	48	230	0.44	140	110	70
	60	180	0.67	90	70	50
	72	150	0.96	60	50	30
	84	130	1.32	50	30	20
	96	110	1.67	40	30	20
	108	100	2.16	30	20	10
	120	90	2.67	20	20	10
	144	80	4.09	20	NR	NR
	168	60	4.88	NR	NR	NR
	192	60	7.28	NR	NR	NR
	216	50	8.64	NR	NR	NR
	240	50	11.85	NR	NR	NR

Column Loading

Channel No.	Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH4100	24	1,840	5,610	5,210	4,570	3,850
	36	1,640	4,660	3,850	2,800	1,960
	48	1,310	3,490	2,480	1,590	1,100
	60	1,000	2,400	1,590	**	**
	72	770	1,670	1,100	**	**

Materials & Finishes: PG, SS, PL

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
[Stainless Steel: Channel	* SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	* SS316	A 240 TYPE 316	
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
Special Coatings	PL	Other commercially available finishes can be supplied per specification when required to protect applications.	
* These materials have different physical properties and performance characteristics. Please Contact UBS for design support.			

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH4100	0.290	0.026	0.054	0.298	0.107	0.132	0.609

Notes:
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

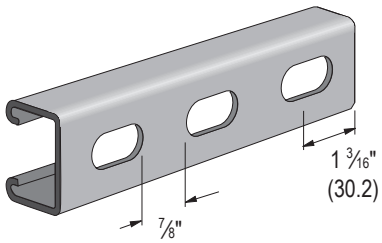
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

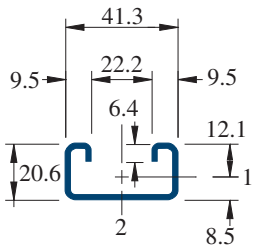
SUBMITTAL SHEETS

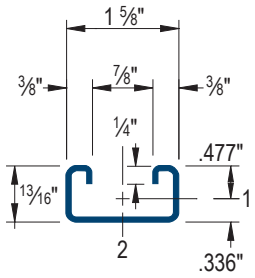
CH4100T

13/16" x 1-5/8" - 14 Gauge Channel
Wt/100 Ft: 87 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Center





Beam Loading

Channel No.	Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH4100	24	450	0.11	450	420	280
	36	300	0.24	250	190	130
	48	230	0.44	140	110	70
	60	180	0.67	90	70	50
	72	150	0.96	60	50	30
	84	130	1.32	50	30	20
	96	110	1.67	40	30	20
	108	100	2.16	30	20	10
	120	90	2.67	20	20	10
	144	80	4.09	20	NR	NR
	168	60	4.88	NR	NR	NR
	192	60	7.28	NR	NR	NR
	216	50	8.64	NR	NR	NR
	240	50	11.85	NR	NR	NR

Column Loading

Channel No.	Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH4100	24	1,840	5,610	5,210	4,570	3,850
	36	1,640	4,660	3,850	2,800	1,960
	48	1,310	3,490	2,480	1,590	1,100
	60	1,000	2,400	1,590	**	**
	72	770	1,670	1,100	**	**

Materials & Finishes: PG, SS

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
[Stainless Steel: Channel	* SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	* SS316	A 240 TYPE 316	
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	
* These materials have different physical properties and performance characteristics. Please Contact UBS for design support.			

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH4100	0.290	0.026	0.054	0.298	0.107	0.132	0.609

Notes:
** KL/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

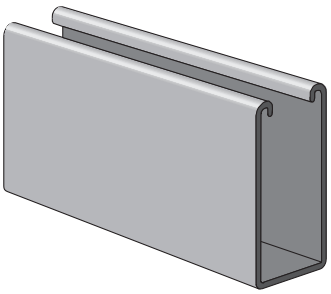
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

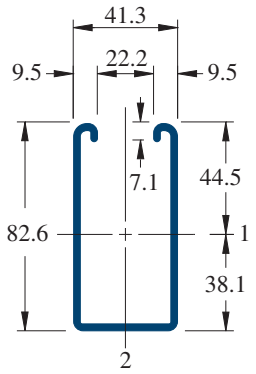
UBS INDUSTRIES

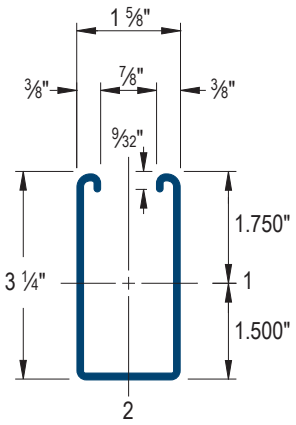
SUBMITTAL SHEETS

CH5000

3-¼" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft: 305 Lbs







Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Notes:
* Load limited by spot weld shear.
** KL/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5000	24	5,260	0.03	5,260	5,260	5,260
	36	3,500	0.07	3,500	3,500	3,500
	48	2,630	0.12	2,630	2,630	2,630
	60	2,100	0.18	2,100	2,100	1,920
	72	1,750	0.26	1,750	1,750	1,330
	84	1,500	0.36	1,500	1,470	980
	96	1,310	0.47	1,310	1,120	750
	108	1,170	0.59	1,170	890	590
	120	1,050	0.73	960	720	480
	144	880	1.06	670	500	330
	168	750	1.43	490	370	240
	192	660	1.88	370	280	190
	216	580	2.35	300	220	150
	240	530	2.95	240	180	120

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5000	24	5,650	16,870	15,180	12,850	10,600
	36	4,690	13,140	10,600	7,650	5,660
	48	3,560	9,550	6,860	4,790	3,660
	60	2,730	6,680	4,790	3,450	2,710
	72	2,160	4,980	3,660	2,710	2,170
	84	1,760	3,950	2,960	2,240	1,820
	96	1,500	3,270	2,500	1,930	1,580
	108	1,310	2,800	2,170	1,690	1,390
	120	1,170	2,450	1,930	1,510	**
	144	980	1,980	1,580	**	**
	168	850	1,670	1,340	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5000	0.897	1.098	0.627	1.107	0.433	0.533	0.695

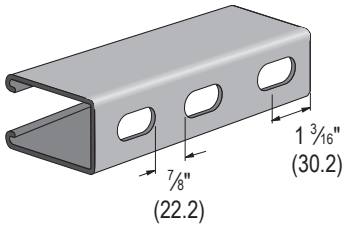
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

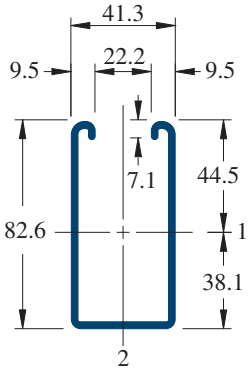
SUBMITTAL SHEETS

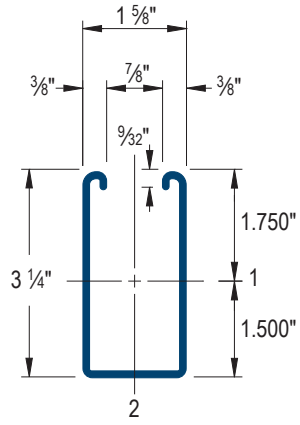
CH5000T

3-¼" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft: 300 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Center





Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5000	24	5,260	0.03	5,260	5,260	5,260
	36	3,500	0.07	3,500	3,500	3,500
	48	2,630	0.12	2,630	2,630	2,630
	60	2,100	0.18	2,100	2,100	1,920
	72	1,750	0.26	1,750	1,750	1,330
	84	1,500	0.36	1,500	1,470	980
	96	1,310	0.47	1,310	1,120	750
	108	1,170	0.59	1,170	890	590
	120	1,050	0.73	960	720	480
	144	880	1.06	670	500	330
	168	750	1.43	490	370	240
	192	660	1.88	370	280	190
	216	580	2.35	300	220	150
	240	530	2.95	240	180	120

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5000	24	5,650	16,870	15,180	12,850	10,600
	36	4,690	13,140	10,600	7,650	5,660
	48	3,560	9,550	6,860	4,790	3,660
	60	2,730	6,680	4,790	3,450	2,710
	72	2,160	4,980	3,660	2,710	2,170
	84	1,760	3,950	2,960	2,240	1,820
	96	1,500	3,270	2,500	1,930	1,580
	108	1,310	2,800	2,170	1,690	1,390
	120	1,170	2,450	1,930	1,510	**
	144	980	1,980	1,580	**	**
	168	850	1,670	1,340	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5000	0.897	1.098	0.627	1.107	0.433	0.533	0.695

Notes:
* Load limited by spot weld shear.
** KL/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

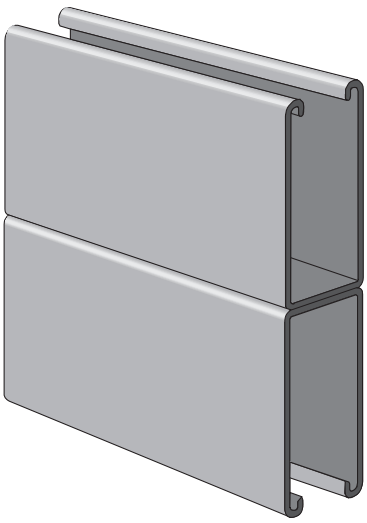
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

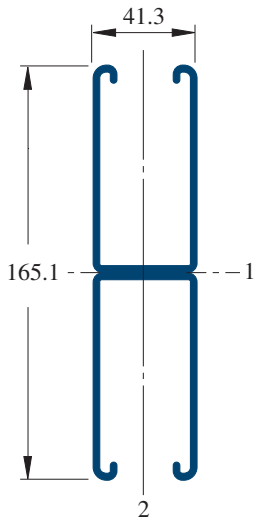
UBS INDUSTRIES

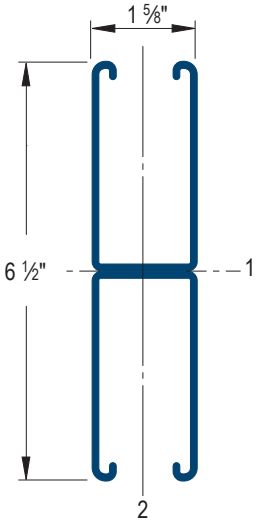
SUBMITTAL SHEETS

CH5001

6-½" x 1-⅝" - 12 Gauge Channel
Wt/100 Ft: 610 Lbs







Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5001	24	6,890*	0.01	6,890*	6,890*	6,890*
	36	6,890*	0.02	6,890*	6,890*	6,890*
	48	6,890*	0.05	6,890*	6,890*	6,890*
	60	6,420	0.10	6,420	6,420	6,420
	72	5,350	0.14	5,350	5,350	5,350
	84	4,590	0.19	4,590	4,590	4,590
	96	4,020	0.25	4,020	4,020	4,020
	108	3,570	0.32	3,570	3,570	3,360
	120	3,210	0.39	3,210	3,210	2,720
	144	2,680	0.57	2,680	2,680	1,890
	168	2,290	0.77	2,290	2,080	1,390
	192	2,010	1.01	2,010	1,590	1,060
	216	1,780	1.27	1,680	1,260	840
	240	1,610	1.58	1,360	1,020	680

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face - Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5001	24	10,670	39,230	38,030	36,210	34,240
	36	10,350	36,450	34,240	31,200	28,260
	48	9,940	33,220	30,200	26,430	23,190
	60	9,290	29,950	26,430	22,470	19,380
	72	8,560	26,880	23,190	19,380	16,450
	84	7,860	24,140	20,520	17,040	12,090
	96	7,220	21,790	18,370	13,330	9,250
	108	6,600	19,790	16,450	10,530	7,310
	120	5,760	18,130	13,330	8,530	**
	144	4,390	14,020	9,250	**	**
	168	3,420	10,300	6,800	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5001	1.793	6.227	1.916	1.864	0.866	1.066	0.695

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

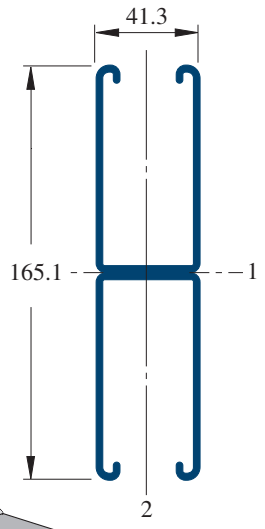
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

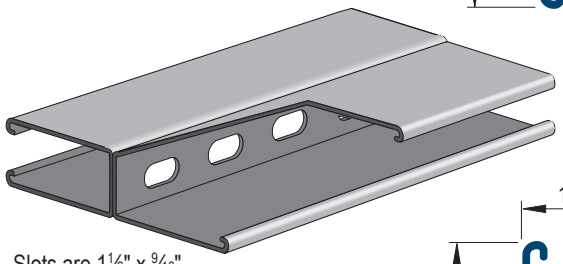
UBS INDUSTRIES

SUBMITTAL SHEETS

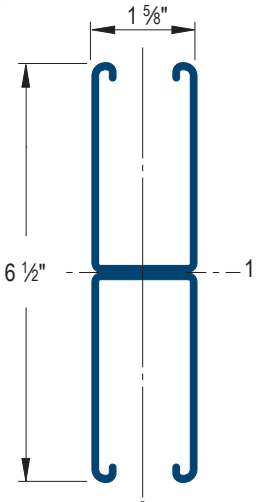
CH5001T

6-½" x 1-⅝"
12 Gauge Channel
Wt/100 Ft: 600 Lbs





Slots are 1⅛" x 9/16"
2" on Center



Materials & Finishes: PG

Lengths: 10' & 20'

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5001	24	6,890*	0.01	6,890*	6,890*	6,890*
	36	6,890*	0.02	6,890*	6,890*	6,890*
	48	6,890*	0.05	6,890*	6,890*	6,890*
	60	6,420	0.10	6,420	6,420	6,420
	72	5,350	0.14	5,350	5,350	5,350
	84	4,590	0.19	4,590	4,590	4,590
	96	4,020	0.25	4,020	4,020	4,020
	108	3,570	0.32	3,570	3,570	3,360
	120	3,210	0.39	3,210	3,210	2,720
	144	2,680	0.57	2,680	2,680	1,890
	168	2,290	0.77	2,290	2,080	1,390
	192	2,010	1.01	2,010	1,590	1,060
	216	1,780	1.27	1,680	1,260	840
	240	1,610	1.58	1,360	1,020	680

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face - Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5001	24	10,670	39,230	38,030	36,210	34,240
	36	10,350	36,450	34,240	31,200	28,260
	48	9,940	33,220	30,200	26,430	23,190
	60	9,290	29,950	26,430	22,470	19,380
	72	8,560	26,880	23,190	19,380	16,450
	84	7,860	24,140	20,520	17,040	12,090
	96	7,220	21,790	18,370	13,330	9,250
	108	6,600	19,790	16,450	10,530	7,310
	120	5,760	18,130	13,330	8,530	**
	144	4,390	14,020	9,250	**	**
	168	3,420	10,300	6,800	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5001	1.793	6.227	1.916	1.864	0.866	1.066	0.695

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

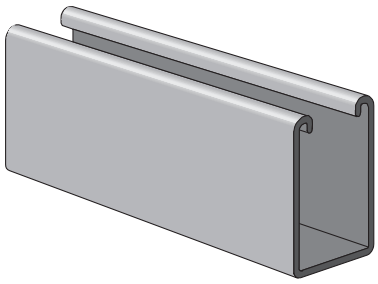
Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

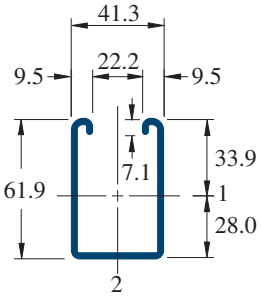
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

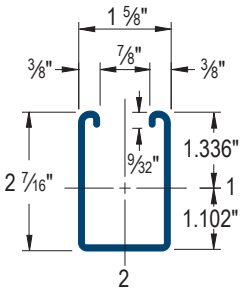
CH5500

2-7/16" x 1-5/8" - 12 Gauge Channel

Wt/100 Ft: 247 Lbs







Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Notes:

* Load limited by spot weld shear.

** KL/r > 200

NR = Not Recommended.

For pierced channel, multiply beam loads by the following factor:

"T" Series - 85%

Refer to the UBS Products Catalog for loading information

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5500	24	3,270	0.04	3,270	3,270	3,270
	36	2,180	0.09	2,180	2,180	2,180
	48	1,640	0.15	1,640	1,640	1,420
	60	1,310	0.24	1,310	1,310	910
	72	1,090	0.34	1,090	950	630
	84	940	0.47	930	700	470
	96	820	0.61	710	530	360
	108	730	0.78	560	420	280
	120	650	0.95	460	340	230
	144	550	1.39	320	240	160
	168	470	1.89	230	170	120
	192	410	2.46	180	130	90
	216	360	3.07	140	110	70
	240	330	3.86	110	90	60

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5500	24	4,640	13,840	12,570	10,840	9,190
	36	3,970	11,050	9,190	7,030	5,370
	48	3,180	8,420	6,390	4,620	3,630
	60	2,550	6,250	4,620	3,450	2,780
	72	2,120	4,790	3,630	2,780	2,260
	84	1,810	3,890	3,010	2,330	1,910
	96	1,580	3,290	2,580	2,020	1,650
	108	1,400	2,860	2,260	1,770	1,440
	120	1,270	2,530	2,020	1,580	**
	144	1,060	2,070	1,650	**	**
	168	920	1,750	1,380	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5500	0.726	0.522	0.390	0.848	0.334	0.411	0.679

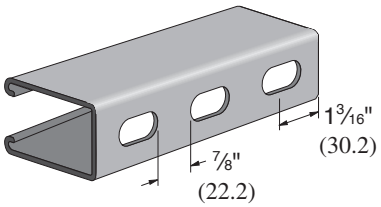
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

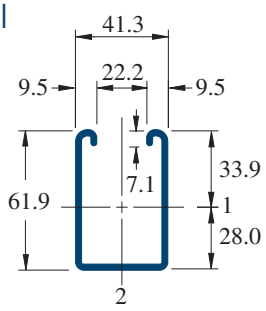
SUBMITTAL SHEETS

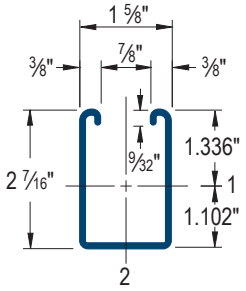
CH5500T

2-7/16" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft: 242 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Center





Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Notes:
* Load limited by spot weld shear.
** KL/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5500	24	3,270	0.04	3,270	3,270	3,270
	36	2,180	0.09	2,180	2,180	2,180
	48	1,640	0.15	1,640	1,640	1,420
	60	1,310	0.24	1,310	1,310	910
	72	1,090	0.34	1,090	950	630
	84	940	0.47	930	700	470
	96	820	0.61	710	530	360
	108	730	0.78	560	420	280
	120	650	0.95	460	340	230
	144	550	1.39	320	240	160
	168	470	1.89	230	170	120
	192	410	2.46	180	130	90
	216	360	3.07	140	110	70
	240	330	3.86	110	90	60

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5500	24	4,640	13,840	12,570	10,840	9,190
	36	3,970	11,050	9,190	7,030	5,370
	48	3,180	8,420	6,390	4,620	3,630
	60	2,550	6,250	4,620	3,450	2,780
	72	2,120	4,790	3,630	2,780	2,260
	84	1,810	3,890	3,010	2,330	1,910
	96	1,580	3,290	2,580	2,020	1,650
	108	1,400	2,860	2,260	1,770	1,440
	120	1,270	2,530	2,020	1,580	**
	144	1,060	2,070	1,650	**	**
	168	920	1,750	1,380	**	**

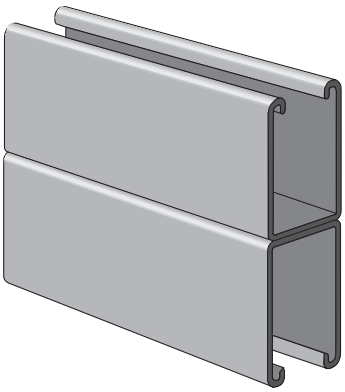
Elements of Section

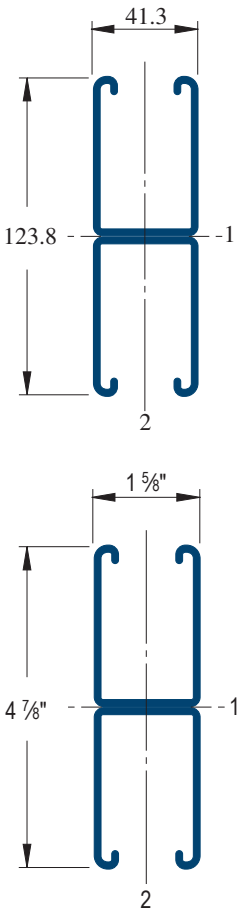
Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5500	0.726	0.522	0.390	0.848	0.334	0.411	0.679

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CH5501

4-7/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft: 494 Lbs





Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Notes:
* Load limited by spot weld shear.
** KL/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5501	24	5,220*	0.01	5,220*	5,220*	5,220*
	36	5,220*	0.04	5,220*	5,220*	5,220*
	48	4,820	0.08	4,820	4,820	4,820
	60	3,860	0.13	3,860	3,860	3,860
	72	3,220	0.19	3,220	3,220	3,220
	84	2,760	0.26	2,760	2,760	2,500
	96	2,410	0.34	2,410	2,410	1,920
	108	2,140	0.42	2,140	2,140	1,510
	120	1,930	0.52	1,930	1,840	1,230
	144	1,610	0.76	1,610	1,280	850
	168	1,380	1.03	1,250	940	630
	192	1,210	1.35	960	720	480
	216	1,070	1.70	760	570	380
	240	960	2.09	610	460	310

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5501	24	8,580	31,810	30,880	29,520	28,100
	36	8,350	29,700	28,100	26,000	24,070
	48	8,080	27,390	25,330	22,910	20,940
	60	7,720	25,170	22,910	20,510	17,170
	72	7,270	23,190	20,940	17,170	12,700
	84	6,780	21,510	18,740	13,430	9,330
	96	6,130	20,110	15,630	10,290	7,150
	108	5,450	17,750	12,700	8,130	5,650
	120	4,800	15,260	10,290	6,590	**
	144	3,760	10,830	7,150	**	**
	168	2,970	7,950	5,250	**	**

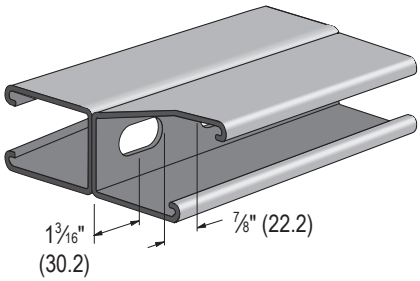
Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5501	1.452	2.805	1.151	1.390	0.669	0.823	0.679

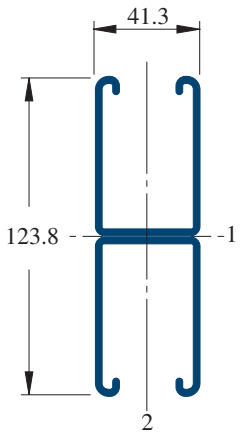
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

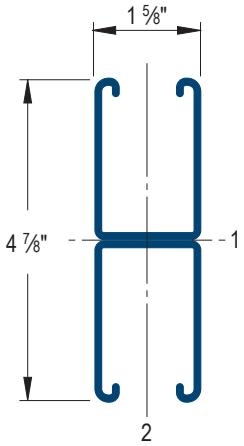
CH5501T

4-7/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft: 494 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Center





Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH5501	24	5,220*	0.01	5,220*	5,220*	5,220*
	36	5,220*	0.04	5,220*	5,220*	5,220*
	48	4,820	0.08	4,820	4,820	4,820
	60	3,860	0.13	3,860	3,860	3,860
	72	3,220	0.19	3,220	3,220	3,220
	84	2,760	0.26	2,760	2,760	2,500
	96	2,410	0.34	2,410	2,410	1,920
	108	2,140	0.42	2,140	2,140	1,510
	120	1,930	0.52	1,930	1,840	1,230
	144	1,610	0.76	1,610	1,280	850
	168	1,380	1.03	1,250	940	630
	192	1,210	1.35	960	720	480
	216	1,070	1.70	760	570	380
	240	960	2.09	610	460	310

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH5501	24	8,580	31,810	30,880	29,520	28,100
	36	8,350	29,700	28,100	26,000	24,070
	48	8,080	27,390	25,330	22,910	20,940
	60	7,720	25,170	22,910	20,510	17,170
	72	7,270	23,190	20,940	17,170	12,700
	84	6,780	21,510	18,740	13,430	9,330
	96	6,130	20,110	15,630	10,290	7,150
	108	5,450	17,750	12,700	8,130	5,650
	120	4,800	15,260	10,290	6,590	**
	144	3,760	10,830	7,150	**	**
	168	2,970	7,950	5,250	**	**

Elements of Section

Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH5501	1.452	2.805	1.151	1.390	0.669	0.823	0.679

Notes:
* Load limited by spot weld shear.
** Kl/r > 200
NR = Not Recommended.
For pierced channel, multiply beam loads by the following factor:
"T" Series - 85%
Refer to the UBS Products Catalog for loading information

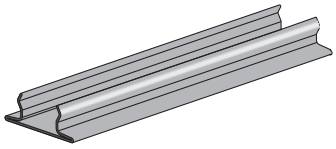
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

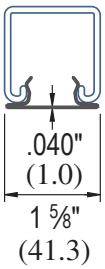
UBS INDUSTRIES

SUBMITTAL SHEETS

CH3184

Closure Strip
Wt/100 Ft: 47Lbs





Materials & Finishes: PG

Lengths: 10'

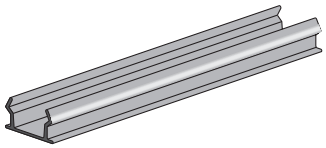
Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

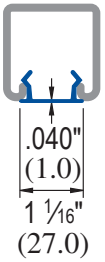
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CH3712P

Closure Strip

Wt/100 Ft: 5.4Lbs





Colour: Black.

Materials & Finishes: Plastic

Lengths: 10'

Channel Material Specifications			
Material	Material Code	ASTM Designation	Description
Plastic	Plastic	–	Black Plastic

Materials & Finishes: Plastic

Material & Finish Specifications		
Finish	Finish Code	Description
Plastic	Plastic	White and Black Plastic

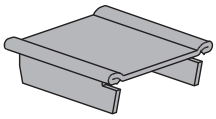
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

GF1280

End Cap



Use with CH1000

Materials & Finishes: EG

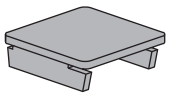
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1280W

End Cap



Use with CH1000

Materials & Finishes: EG

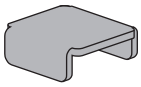
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2407

End Cap



Use with CH1000

Materials & Finishes: EG

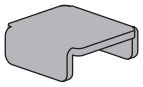
Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF3280

End Cap



Use with CH3000
or CI3270

Materials & Finishes: EG

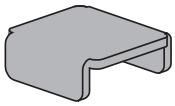
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF3380

End Cap



Use with CH3300
or CI3370

Materials & Finishes: EG

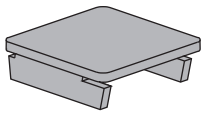
Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF5580

End Cap



Use with CH5500

Materials & Finishes: EG

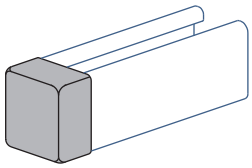
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2860-10

End Cap



Use with:
CH1000
CH1100
CH2000
CH9000

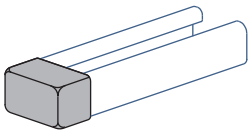
Materials & Finishes: VY

Material & Finish Specifications		
Finish	Finish Code	Description
Plastic	VY	White Plastic

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2860-33

End Cap



Use with:
CH3300

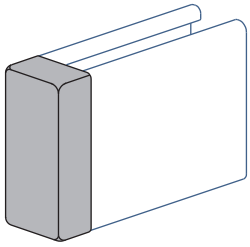
Materials & Finishes: VY

Material & Finish Specifications		
Finish	**Finish Code**	**Description**
Plastic	**VY**	White Plastic

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2860-50

End Cap



Use with:
CH5000
CH1001

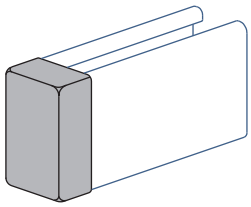
Materials & Finishes: VY

Material & Finish Specifications		
Finish	Finish Code	Description
Plastic	VY	White Plastic

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2860-55

End Cap



Use with:
CH5500

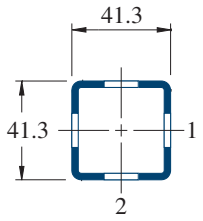
Materials & Finishes: VY

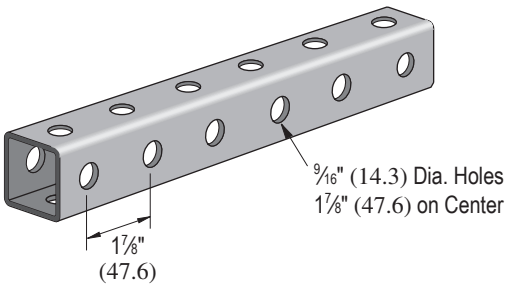
Material & Finish Specifications		
Finish	Finish Code	Description
Plastic	VY	White Plastic

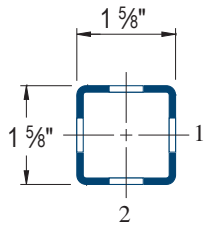
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

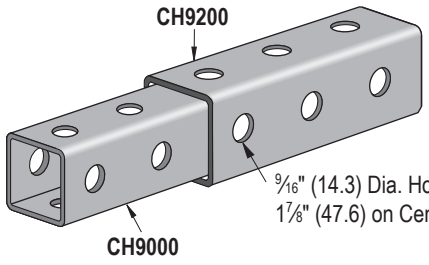
CH9000

1-5/8" x 1-5/8" - 12 Gauge
Wt/100 Ft: 188 Lbs

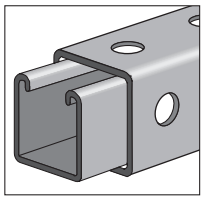




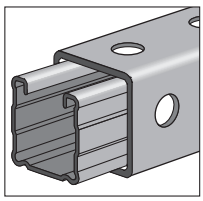




CH1000 Series



CH1100 Series



Telescoping strut can be combined with metal framing channel

Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH9000	24	1,710	0.06	1,710	1,710	1,710
	36	1,140	0.14	1,140	1,140	810
	48	860	0.25	860	680	450
	60	690	0.40	580	440	290
	72	570	0.57	400	300	200
	84	490	0.77	300	220	150
	96	430	1.01	230	170	110
	108	380	1.27	180	130	90
	120	340	1.56	150	110	70
	144	290	2.30	100	80	50
	168	240	3.02	70	60	40
	192	210	3.95	60	40	NR
	216	190	5.09	40	NR	NR
	240	170	6.24	40	NR	NR

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH9000	24	3,640	8,730	8,570	8,330	8,040
	36	3,540	8,360	8,040	7,530	6,950
	48	3,400	7,880	7,340	6,530	5,660
	60	3,210	7,290	6,530	5,440	4,360
	72	2,990	6,640	5,660	4,360	3,160
	84	2,730	5,940	4,790	3,340	2,320
	96	2,430	5,220	3,940	2,560	1,780
	108	2,110	4,520	3,160	2,020	1,400
	120	1,820	3,840	2,560	1,640	**
	144	1,390	2,690	1,780	**	**
	168	–	–	–	–	–

Elements of Section

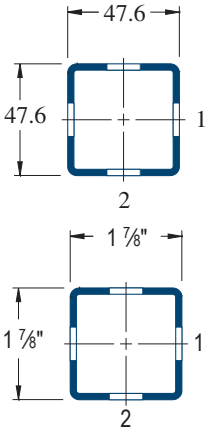
Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH9000	0.387	0.166	0.205	0.655	0.166	0.205	0.655

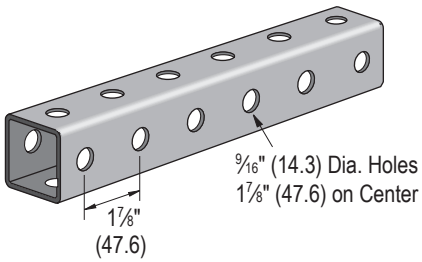
Notes:
** Kl/r > 200
NR = Not Recommended.

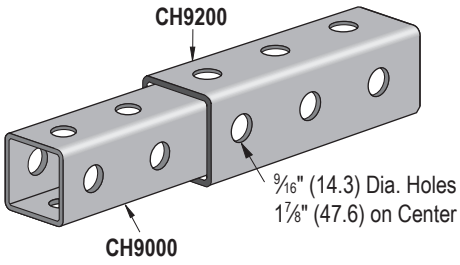
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CH9200

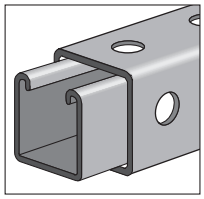
1-7/8" x 1-7/8" - 12 Gauge
Wt/100 Ft: 223 Lbs



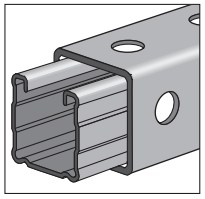




CH1000 Series



CH1100 Series



Telescoping strut can be combined with metal framing channel

Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH9200	24	2,490	0.05	2,490	2,490	2,490
	36	1,660	0.12	1,660	1,660	1,350
	48	1,250	0.22	1,250	1,140	760
	60	1,000	0.34	980	730	490
	72	830	0.49	680	510	340
	84	710	0.67	500	370	250
	96	620	0.87	380	290	190
	108	550	1.10	300	230	150
	120	500	1.37	240	180	120
	144	420	1.98	170	130	80
	168	360	2.70	120	90	60
	192	310	3.47	100	70	50
	216	280	4.47	80	60	NR
	240	250	5.47	60	50	NR

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH9200	241	4,620	11,120	10,980	10,740	10,460
	36	4,530	10,770	10,460	9,950	9,370
	48	4,390	10,300	9,760	8,940	8,030
	60	4,220	9,720	8,940	7,800	6,590
	72	4,000	9,050	8,030	6,590	5,180
	84	3,750	8,320	7,080	5,410	3,890
	96	3,460	7,560	6,110	4,290	2,980
	108	3,140	6,770	5,180	3,390	2,360
	120	2,790	5,990	4,290	2,750	1,910
	144	2,170	4,510	2,980	1,910	**
	168	1,720	3,320	2,190	**	**

Elements of Section

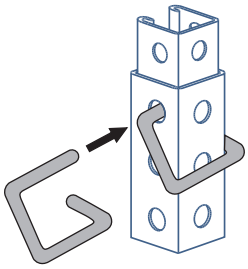
Channel No.	Area of Section in^2	Axis 1-1			Axis 2-2		
		I in^4	s in^3	r in	I in^4	s in^3	r in
CH9200	0.489	0.279	0.297	0.755	0.279	0.297	0.755

Notes:
** Kl/r > 200
NR = Not Recommended.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

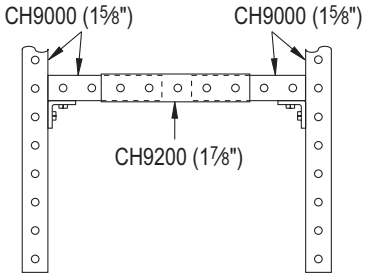
GF9209

Gravity Pin
Telescoping Strut
Wt/100pcs 47 Lbs.

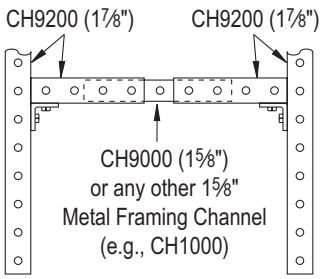


Telescoping Strut's Assembly

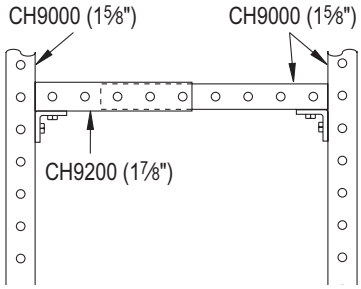
Preferred Three-Piece Assembly



Alternate Three-Piece Assembly



Two-Piece Assembly



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1⅞" (48mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6mm)

Materials & Finishes: EG

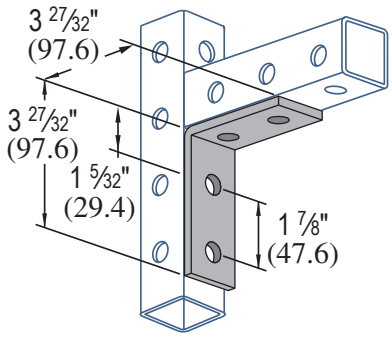
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

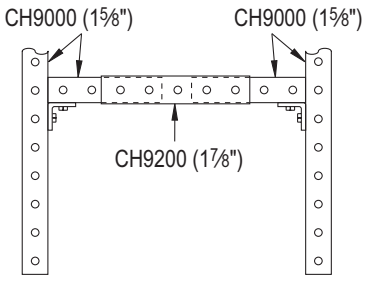
GF9324

Telescoping Strut
Wt/100pcs 78 Lbs.

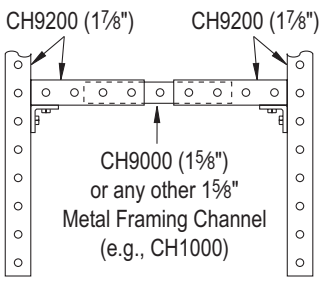


Telescoping Strut's Assembly

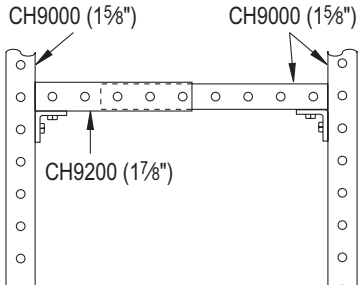
Preferred Three-Piece Assembly



Alternate Three-Piece Assembly



Two-Piece Assembly



Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8"(41.3mm); Thickness: 1/4" (6mm)

Materials & Finishes: EG

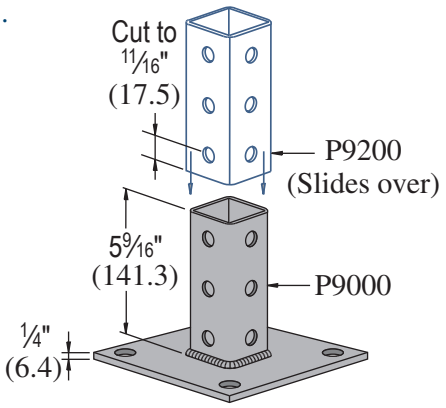
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

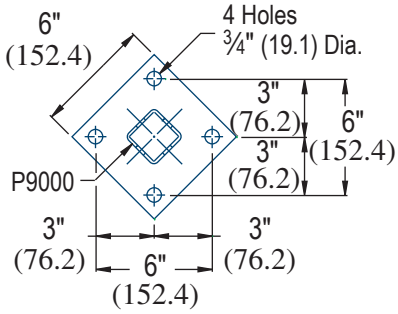
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF9011

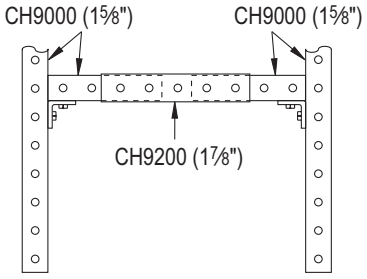
Telescoping Strut
Wt/100pcs 332 Lbs.



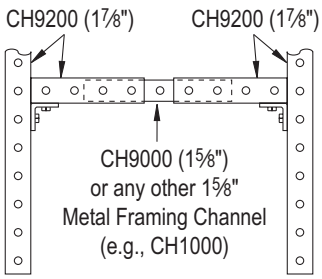


Telescoping Strut's Assembly

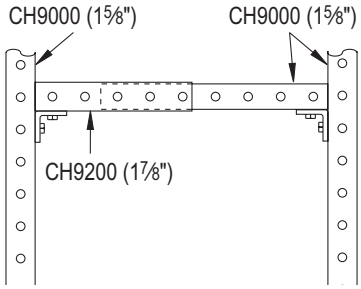
Preferred Three-Piece Assembly



Alternate Three-Piece Assembly



Two-Piece Assembly



Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8"(41.3mm); Thickness: 1/4" (6mm)

Materials & Finishes: GR

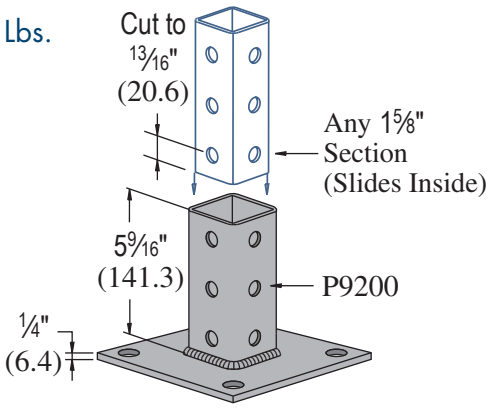
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

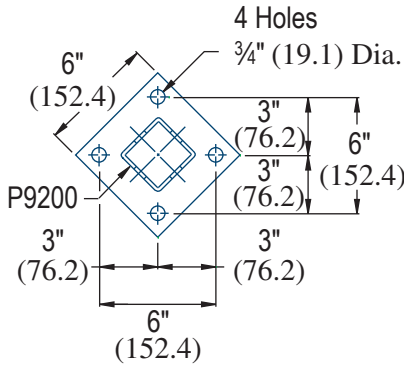
Finish Specifications		
Finish	**Finish Code**	**Description**
Green Powder Coat	GR	Green Powder Coat conforming to commercial standards for Powder Coating.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF9013

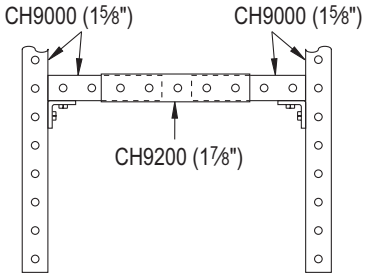
Telescoping Strut
Wt/100pcs 340 Lbs.



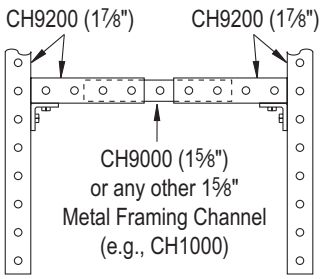


Telescoping Strut's Assembly

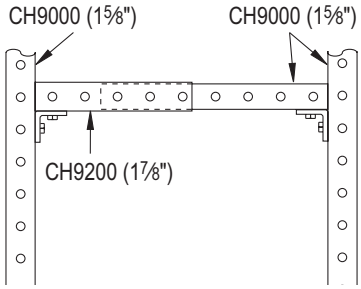
Preferred Three-Piece Assembly



Alternate Three-Piece Assembly



Two-Piece Assembly



Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8"(41.3mm); Thickness: 1/4" (6mm)

Materials & Finishes: GR

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

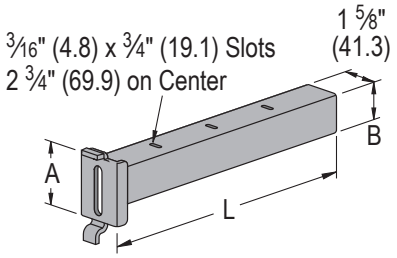
Finish Specifications		
Finish	**Finish Code**	**Description**
Green Powder Coat	GR	Green Powder Coat conforming to commercial standards for Powder Coating.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB2920-CB2924

Cable Brackets
Cable Vault Racking Systems

.



Material: 12 gauge steel.

Part Number	"L" In *(mm)*	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs	Uniform Design Load Lbs
CB2920	5½ *139.7*	3½ *88.9*	⅞ *22.2*	90	500
CB2921	8¼ *209.6*	3½ *88.9*	⅞ *22.2*	120	325
CB2922	11 *279.4*	3½ *88.9*	1⅝ *41.3*	300	275
CB2923	13¾ *349.3*	3½ *88.9*	1⅝ *41.3*	340	220
CB2924	19¼ *489.0*	3½ *88.9*	1⅝ *41.3*	430	160

Safety factor of 3.

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

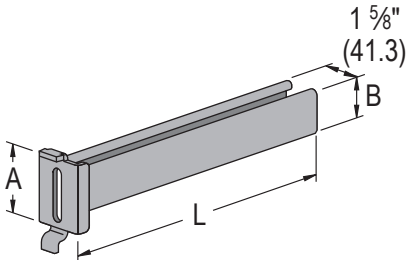
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB2929 & CB2930

Cable Brackets
Cable Vault Racking Systems

.



Part Number	"L" In *(mm)*	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs	Uniform Design Load Lbs
CB2929	12 *304.8*	3½ *88.9*	1⅝ *41.3*	320	250
CB2930	18 *457.2*	3½ *88.9*	1⅝ *41.3*	420	170

Material: 12 gauge steel.

Safety factor of 3.

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

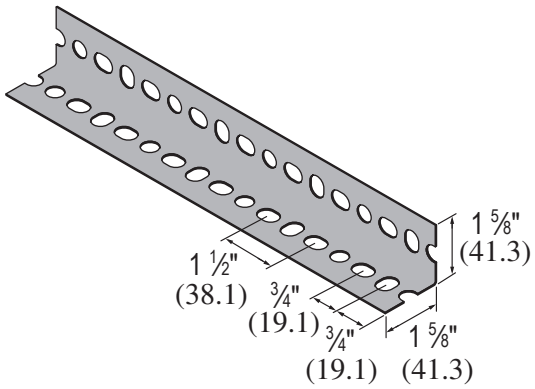
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CSA158

1⅝" X 1⅝" X 14 GA.

Slotted Anglev
LIGHT DUTY.



For those jobs where extra strength is not necessary. Ideal for light-duty shelving or racking.

Materials & Finishes: PG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

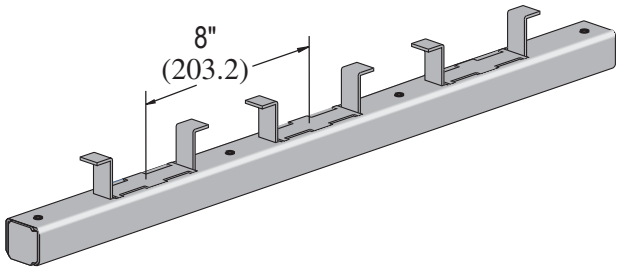
Channel Finish Specifications		
Finish	**Finish Code**	**Description**
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification requirements of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.

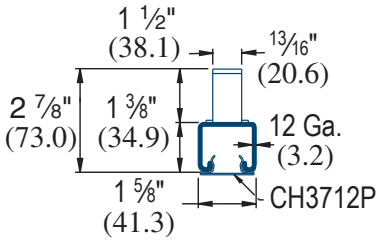
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CI3270

HEAVY DUTY CONCRETE INSERT

Lengths: 20





Part Number	Insert Length In/Ft *(mm)*	Wt/100 pcs Lbs	Max. Allowable Point Load Lbs	Min. Spacing of Pt. Loads In *(mm)*	Max. Allowable Uniform Load Lbs	
CI3270	20' *6,096.0*	3,882	2,000	12 *304.8*	2,000	Lbs./Ft.

Safety factor 3.

- Includes closure and end caps unless otherwise requested.
- Nail or anchor inserts to forms every 16" (406.4 mm) to 24" (609.6 mm).
- Anchors are 8" (203.2 mm) on center.

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

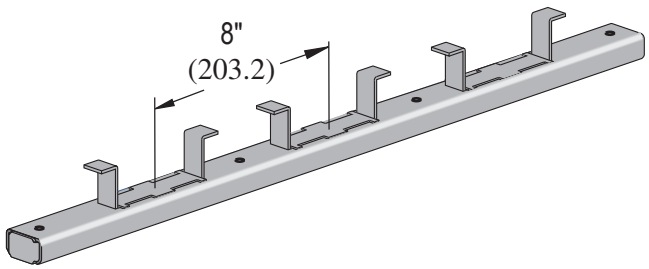
CI3370

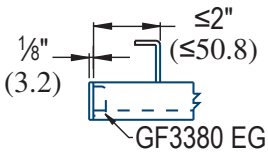
LIGHT DUTY CONCRETE INSERT

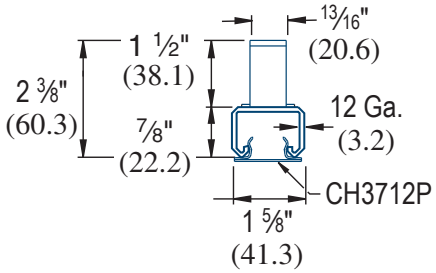
Lengths: 20

Part Number	Insert Length In/Ft. *(mm)*	Wt/100 pcs Lbs	Max. Allowable Point Load Lbs	Min. Spacing of Pt. Loads In *(mm)*	Max. Allowable Uniform Load Lbs	
CI3370	20' *6,096.0*	2,775	1,500	12 *304.8*	1,500	Lbs./Ft.

Safety factor 3.







- Includes closure and end caps unless otherwise requested.
- Nail or anchor inserts to forms every 16" (406.4 mm) to 24" (609.6 mm).
- Anchors are 8" (203.2 mm) on center.

Materials & Finishes: HG

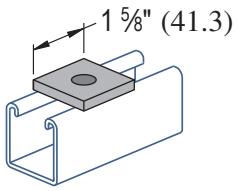
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1062 - GF1964

FLAT PLATE FITTINGS



Part Number	Bolt Size
GF1062	5/16"
GF1063	3/8"
GF1064	1/2"
GF1964	5/8"

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG, SS

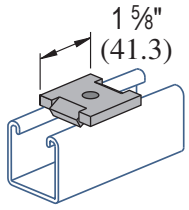
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2863 & GF2864

FLAT PLATE FITTINGS



Part Number	Bolt Size
GF2863	3/8"
GF2864	1/2"

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

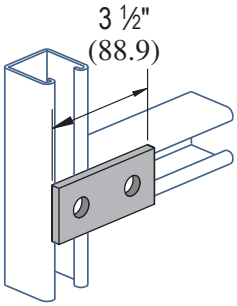
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1065

FLAT PLATE FITTINGS

Wt/100pcs: 38 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

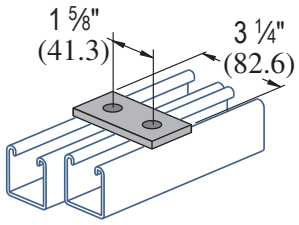
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1924

FLAT PLATE FITTINGS

Wt/100pcs: 35 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

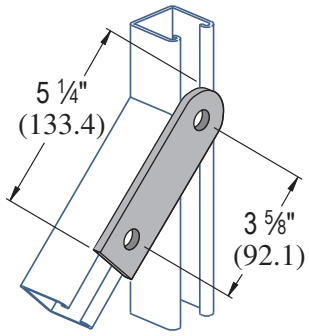
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2325

FLAT PLATE FITTINGS

Wt/100pcs: 55 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

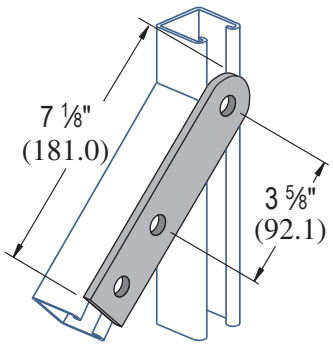
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2324

FLAT PLATE FITTINGS

Wt/100pcs: 75 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

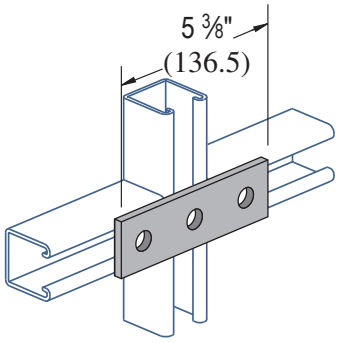
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1066

FLAT PLATE FITTINGS

Wt/100pcs: 56 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

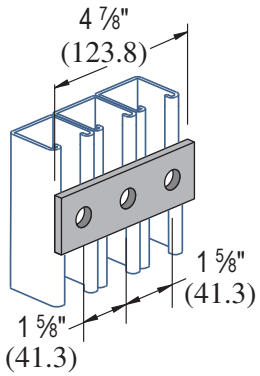
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1925

FLAT PLATE FITTINGS

Wt/100pcs: 50 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

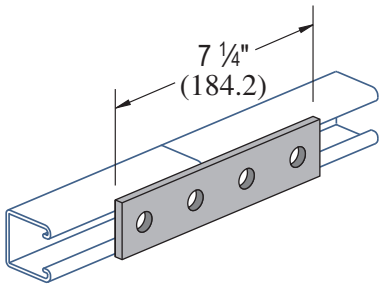
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1067

FLAT PLATE FITTINGS

Wt/100pcs: 78 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

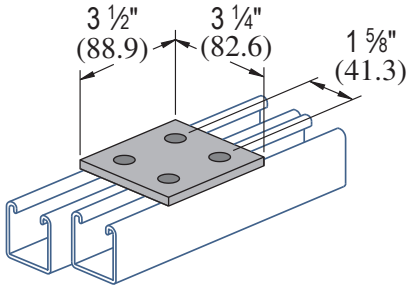
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2079

FLAT PLATE FITTINGS

Wt/100pcs: 73 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

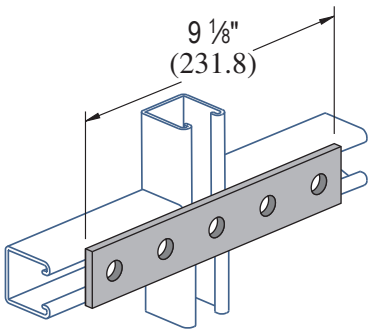
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1941

FLAT PLATE FITTINGS

Wt/100pcs: 94 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

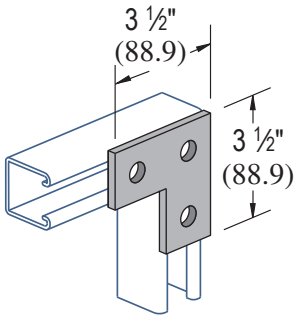
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1036

FLAT PLATE FITTINGS

Wt/100pcs: 58 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

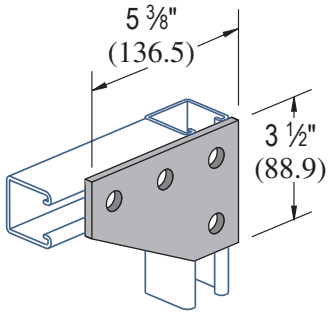
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1380

FLAT PLATE FITTINGS

Wt/100pcs: 105 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

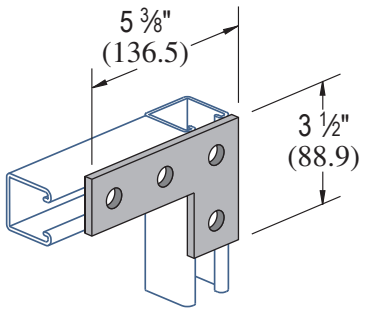
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1380A

FLAT PLATE FITTINGS

Wt/100pcs: 80 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

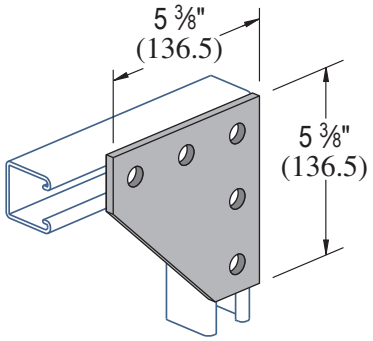
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1873

FLAT PLATE FITTINGS

Wt/100pcs: 150 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

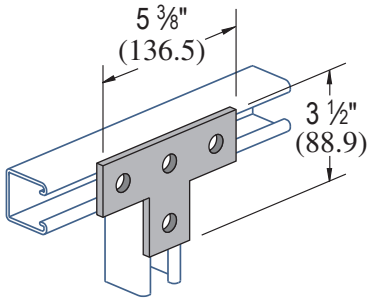
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1031

FLAT PLATE FITTINGS

Wt/100pcs: 80 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

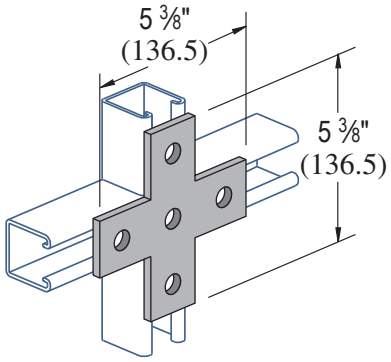
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1028

FLAT PLATE FITTINGS

Wt/100pcs: 105 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

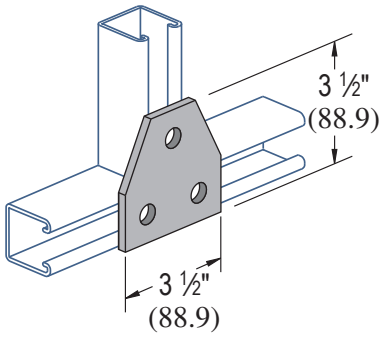
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1356

FLAT PLATE FITTINGS

Wt/100pcs: 70 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

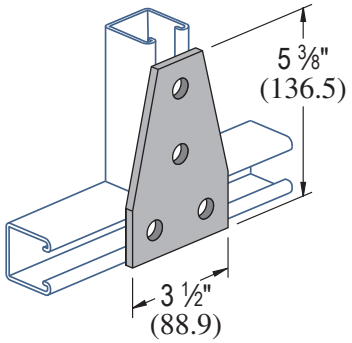
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1358

FLAT PLATE FITTINGS

Wt/100pcs: 105 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

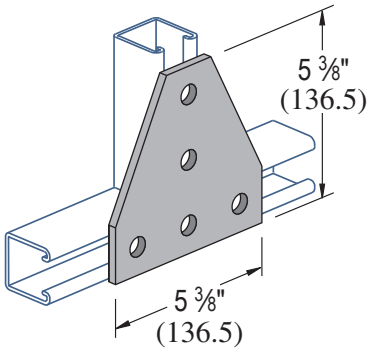
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1726

FLAT PLATE FITTINGS

Wt/100pcs: 148 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

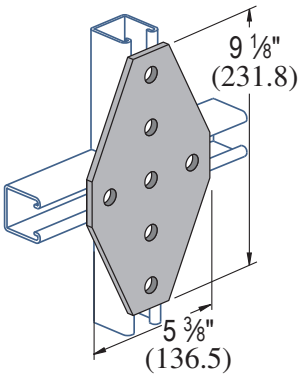
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1950

FLAT PLATE FITTINGS

Wt/100pcs: 240 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

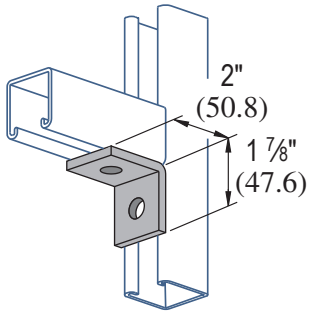
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1026

ANGLE FITTINGS

Wt/100pcs: 38 Lbs



Materials & Finishes: EG, HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

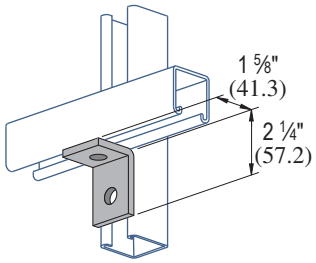
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1068

ANGLE FITTINGS

Wt/100pcs: 38 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, SS

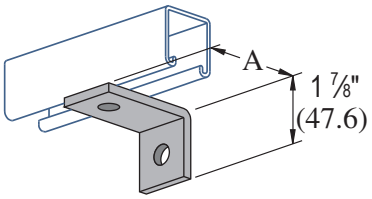
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1281 & GF1283

ANGLE FITTINGS



Part Number	"A" In *(mm)*	Wt/100 pcs Lbs
GF1281	3 *(76.2)*	49
GF1283	4 *(101.6)*	61

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

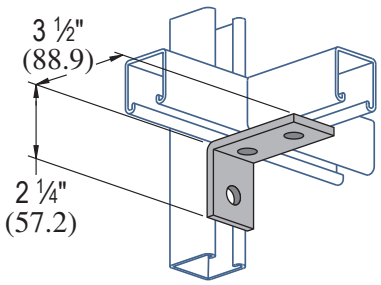
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1458

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

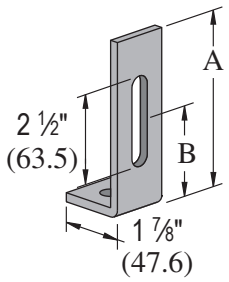
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1498 & GF1499

ANGLE FITTINGS



Part Number	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs
GF1498	4⅞ *123.8*	2½ *63.5*	65
GF1499	6⅞ *174.6*	4½ *114.3*	85

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

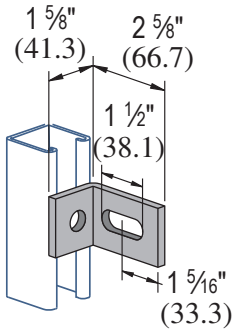
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1750

ANGLE FITTINGS

Wt/100pcs: 38 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

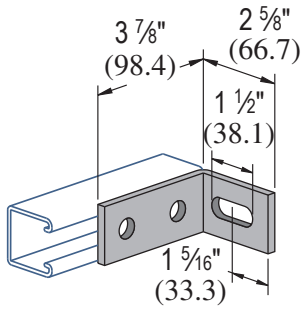
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1747

ANGLE FITTINGS

Wt/100pcs: 66 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

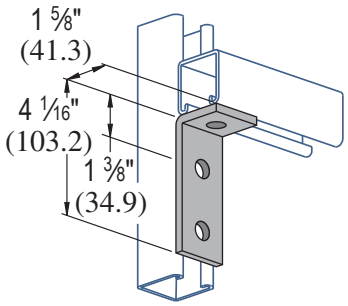
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1326

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

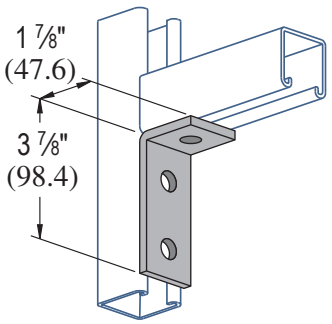
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1346

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8"(41.3mm); Thickness: 1/4" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

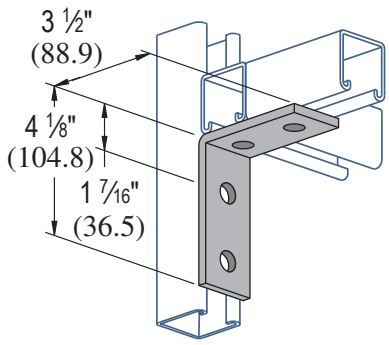
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1325

ANGLE FITTINGS

Wt/100pcs: 78 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

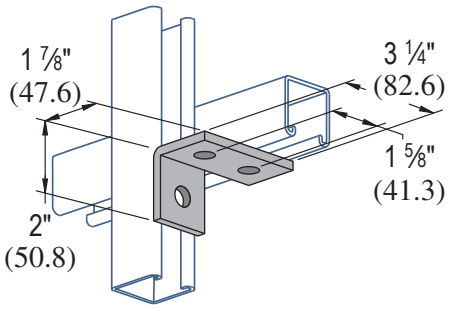
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1822

ANGLE FITTINGS

Wt/100pcs: 55 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

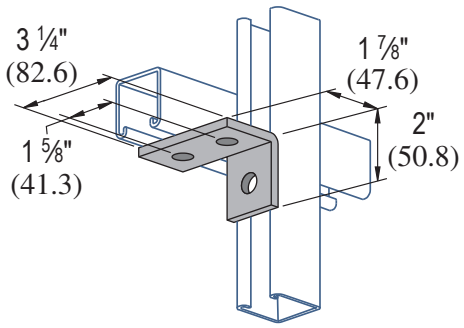
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1823

ANGLE FITTINGS

Wt/100pcs: 55 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

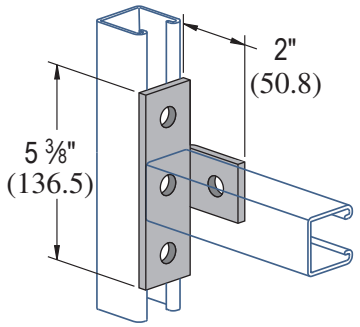
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1033

ANGLE FITTINGS

Wt/100pcs: 80 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

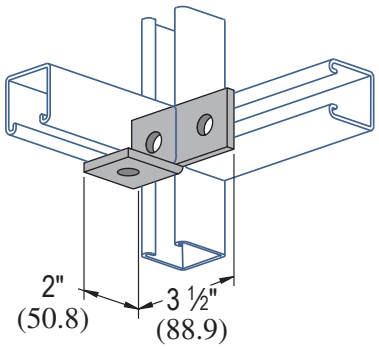
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1038

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

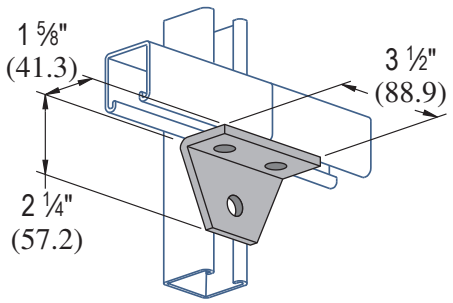
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1357

ANGLE FITTINGS

Wt/100pcs: 70 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

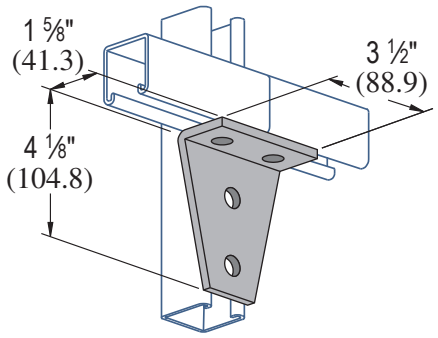
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1359

ANGLE FITTINGS

Wt/100pcs: 105 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

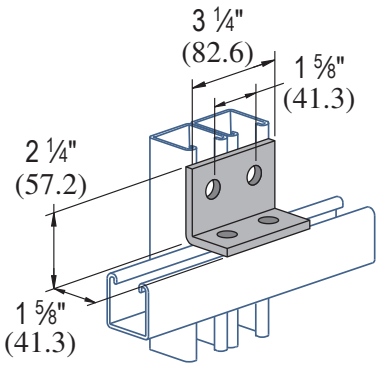
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1934

ANGLE FITTINGS

Wt/100pcs: 75 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

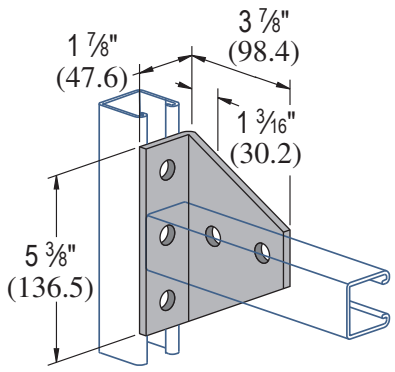
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1727

ANGLE FITTINGS

Wt/100pcs: 154 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

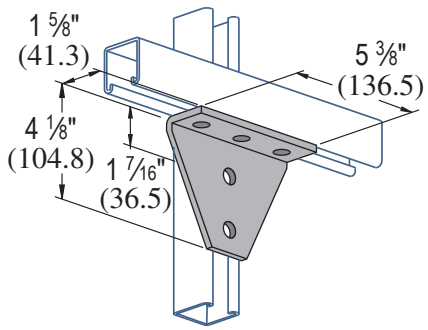
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1728

ANGLE FITTINGS

Wt/100pcs: 154 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

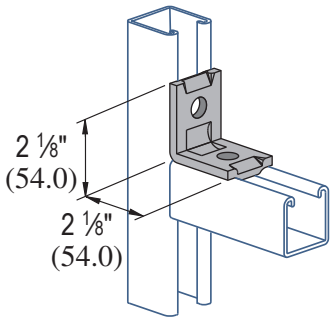
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2626

ANGLE FITTINGS

Wt/100pcs: 40 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

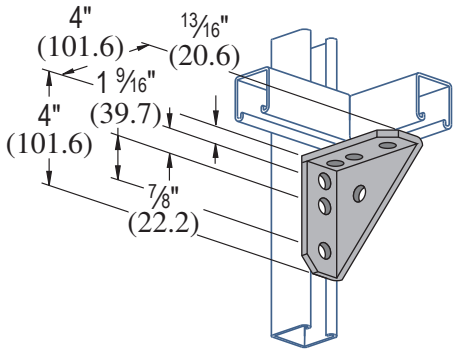
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2484

ANGLE FITTINGS

Wt/100pcs: 134 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

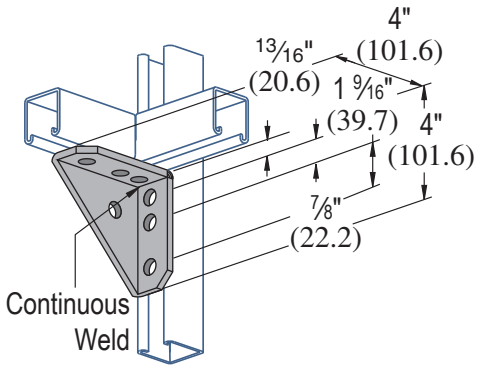
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2484W

ANGLE FITTINGS

Wt/100pcs: 134 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

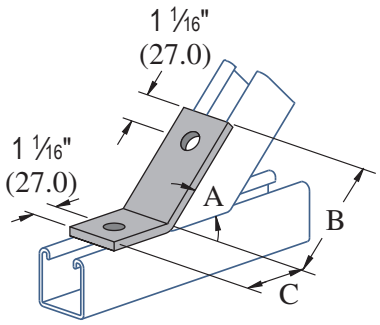
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1546 & GF2097

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Part No.	"A" Degree *(rad)*	"B" In *(mm)*	"C" In *(mm)*
GF1546	45° *0.79*	3 *76.2*	2 5/16 *58.7*
GF2097	60° *1.05*	3 3/8 *85.7*	1 7/8 *47.6*

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8"(41.3mm); Thickness: 1/4" (6.4mm)

Materials & Finishes: EG, HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

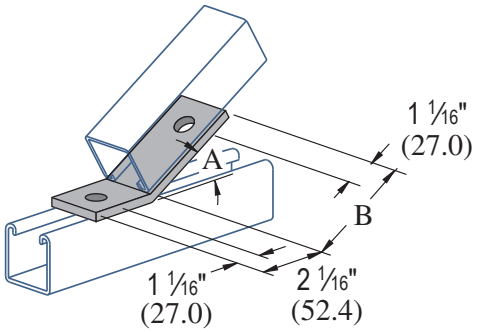
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2101 & GF2103

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Part No.	"A" Degree *(rad)*	"B" In *(mm)*
GF2101	30° *0.52*	3¼ *82.6*
GF2103	15° *0.26*	3⁵⁄₁₆ *84.1*

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: ⁹⁄₁₆" (14.3mm); Hole Spacing - From End: ¹³⁄₁₆" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

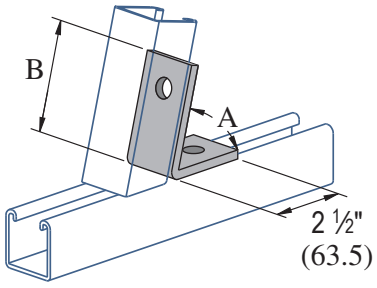
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2108 & GF1186

ANGLE FITTINGS

Wt/100pcs: 58 Lbs



Part Number	"A" Degree *(rad)*	"B" In *(mm)*
GF1186	45° *0.79*	3⅛ *79.4*
GF2108	60° *1.05*	3 3/16 *81.0*

*Other angles available
-Special Order- Minimum quantity may apply

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

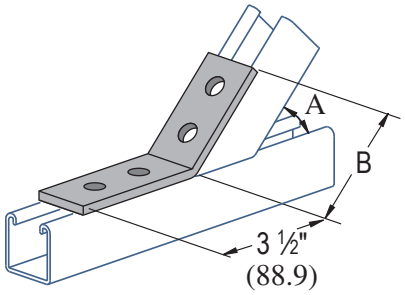
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2263, GF2265, GF2267

ANGLE FITTINGS

Wt/100pcs: 78 Lbs



Part Number	"A" Degree *(rad)*	"B" In *(mm)*
GF2263	30° *0.52*	3 11/16 *93.7*
GF2265	45° *0.79*	3 11/16 *93.7*
GF2267	60° *1.05*	3 11/16 *93.7*

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

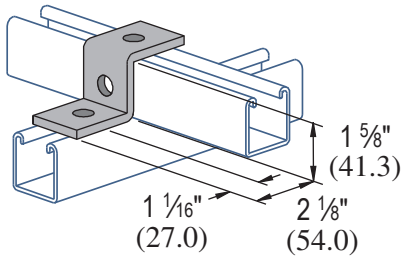
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1045

"Z" SHAPED FITTINGS

Wt/100pcs: 55 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

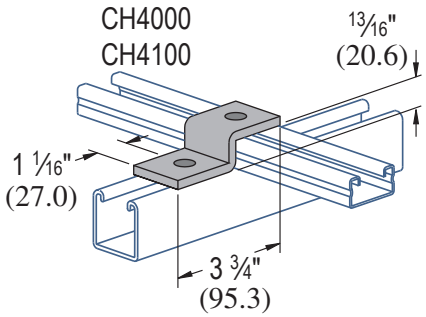
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF4045

"Z" SHAPED FITTINGS

Wt/100pcs: 47 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

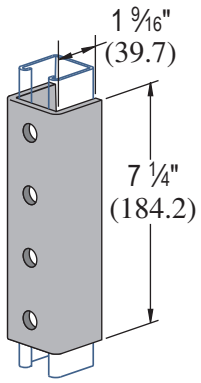
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1377

"U" SHAPED FITTINGS

Wt/100pcs: 265 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

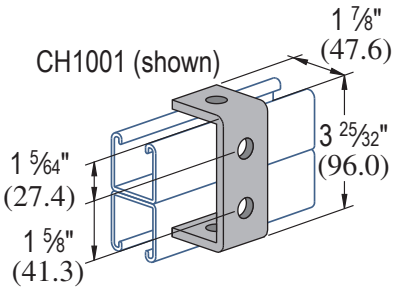
UBS INDUSTRIES

SUBMITTAL SHEETS

GF1044

"U" SHAPED FITTINGS

Wt/100pcs: 70 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

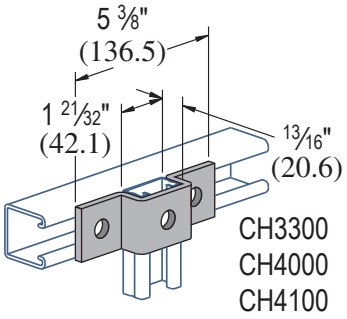
UBS INDUSTRIES

SUBMITTAL SHEETS

GF4047

"U" SHAPED FITTINGS

Wt/100pcs: 71 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

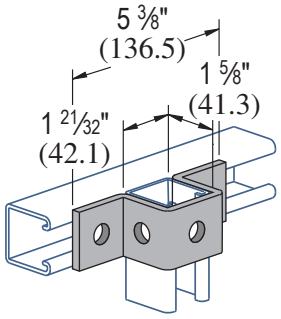
UBS INDUSTRIES

SUBMITTAL SHEETS

GF1047

"U" SHAPED FITTINGS

Wt/100pcs: 88 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

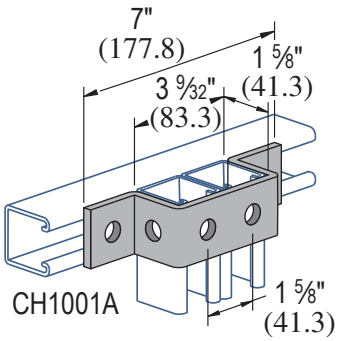
UBS INDUSTRIES

SUBMITTAL SHEETS

GF1043A

"U" SHAPED FITTINGS

Wt/100pcs: 105 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

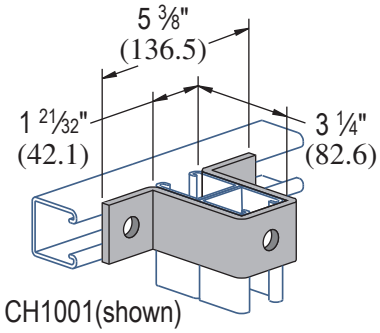
UBS INDUSTRIES

SUBMITTAL SHEETS

GF1737

"U" SHAPED FITTINGS

Wt/100pcs: 128 Lbs



CH1001(shown)
or CH5000

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

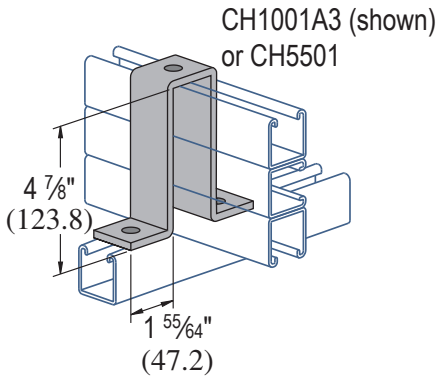
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2473

"U" SHAPED FITTINGS

Wt/100pcs: 197 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

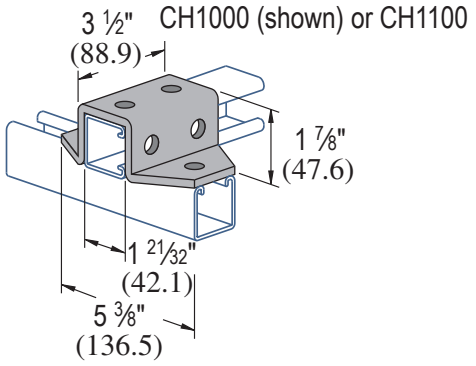
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2326

"U" SHAPED FITTINGS

Wt/100pcs: 171 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

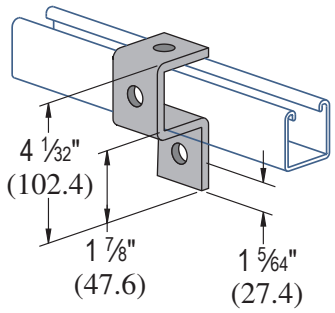
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1046A

"U" SHAPED FITTINGS

Wt/100pcs: 76 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

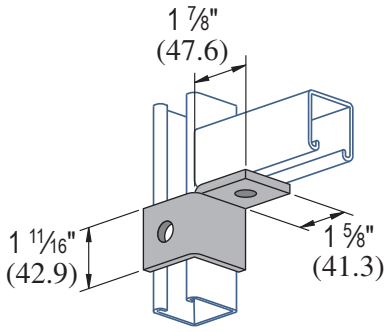
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2341R-L

WINGED SHAPED FITTINGS

Wt/100pcs: 60 Lbs



R - As shown
L - Opposite hand

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

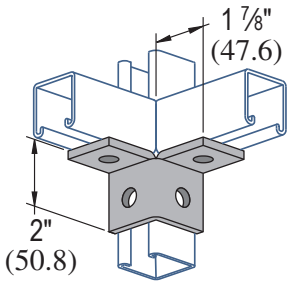
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2223

WINGED SHAPED FITTINGS

Wt/100pcs: 76 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

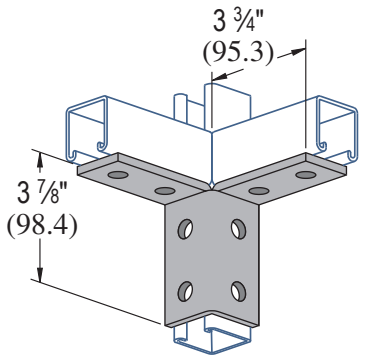
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2225

WINGED SHAPED FITTINGS

Wt/100pcs: 155 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

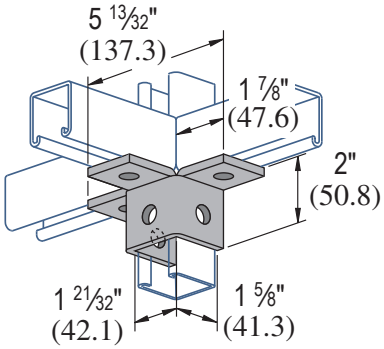
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2227

WINGED SHAPED FITTINGS

Wt/100pcs: 113 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

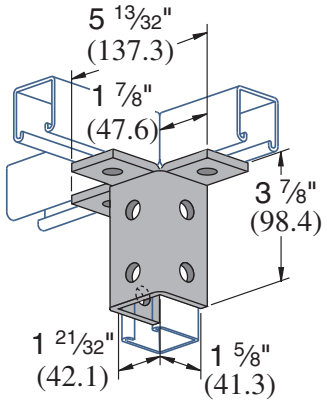
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2228

WINGED SHAPED FITTINGS

Wt/100pcs: 177 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

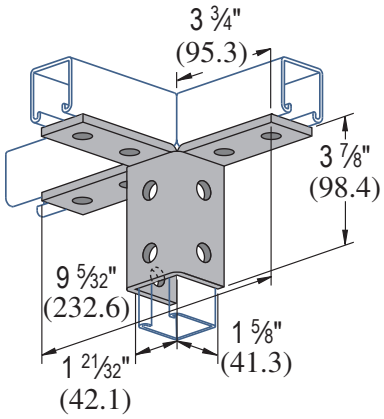
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2229

WINGED SHAPED FITTINGS

Wt/100pcs: 230 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

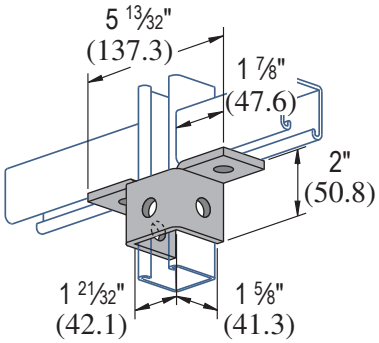
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2345

WINGED SHAPED FITTINGS

Wt/100pcs: 93 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

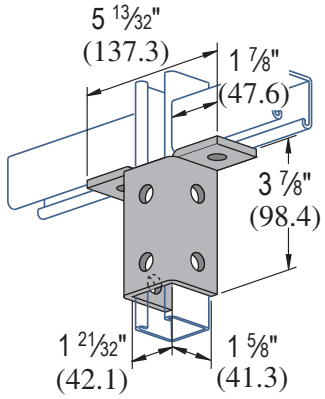
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2346

WINGED SHAPED FITTINGS

Wt/100pcs: 150 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

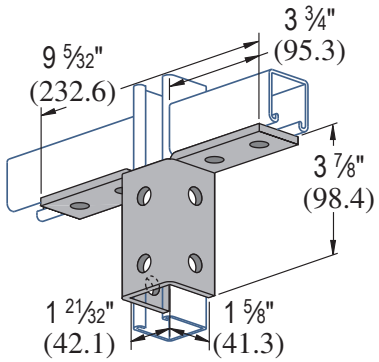
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2347

WINGED SHAPED FITTINGS

Wt/100pcs: 193 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

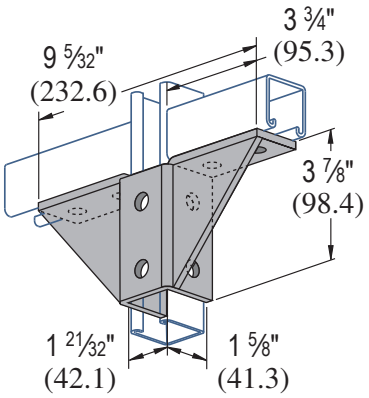
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2348

WINGED SHAPED FITTINGS

Wt/100pcs: 274 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

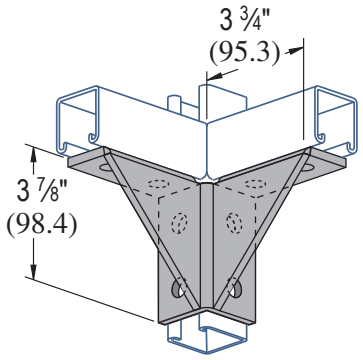
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2226

WINGED SHAPED FITTINGS

Wt/100pcs: 217 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

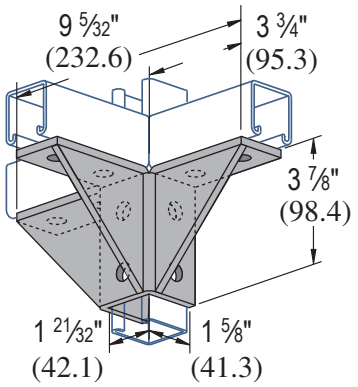
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2230

WINGED SHAPED FITTINGS

Wt/100pcs: 310 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

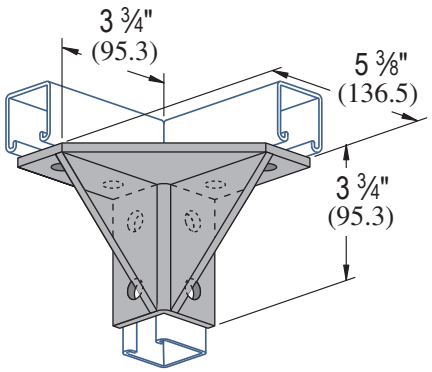
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2245

WINGED SHAPED FITTINGS

Wt/100pcs: 315 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

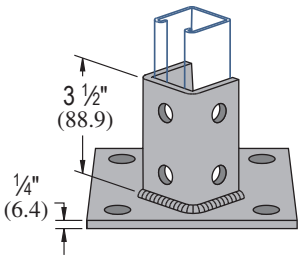
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

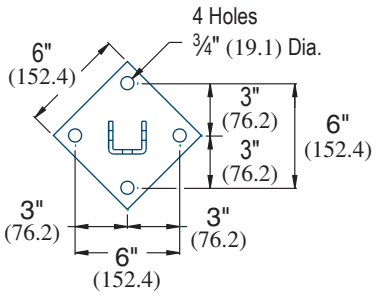
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2072A

POST BASES

Wt/100pcs: 373 Lbs





Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: ⁹⁄₁₆" (14.3mm); Hole Spacing - From End: ¹³⁄₁₆" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

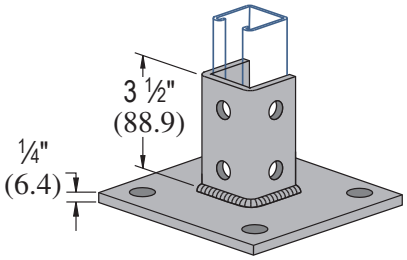
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

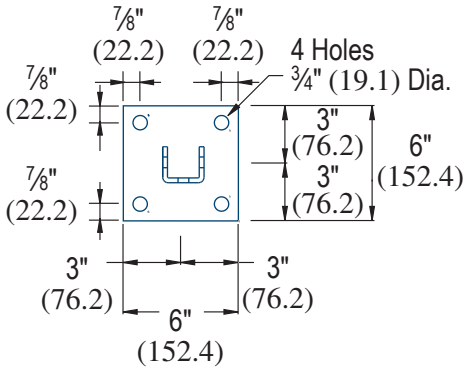
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2072ASQ

POST BASES

Wt/100pcs: 373 Lbs





Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

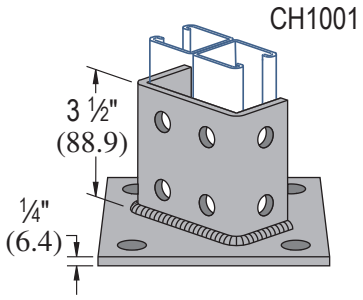
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

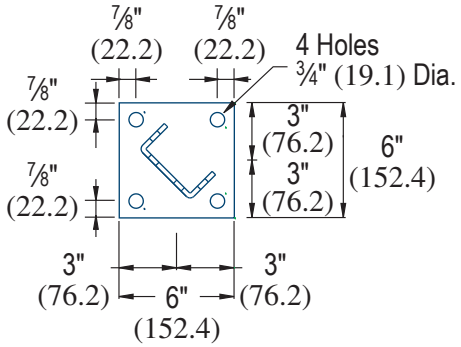
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2073A

POST BASES

Wt/100pcs: 408 Lbs





Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

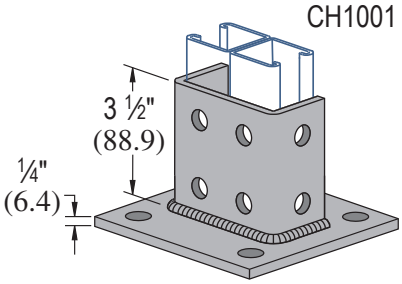
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

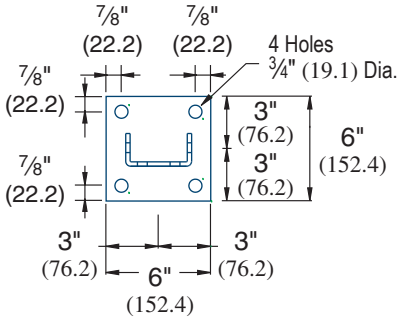
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2073ASQ

POST BASES

Wt/100pcs: 408 Lbs





Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG, HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

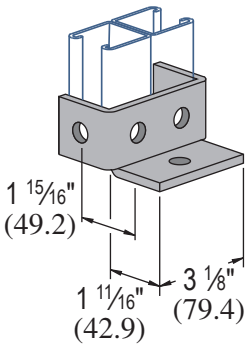
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2453

POST BASES

Wt/100pcs: 116 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

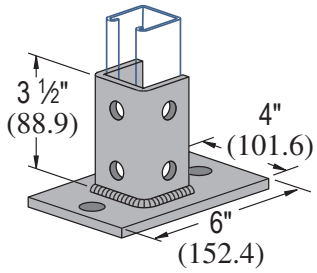
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

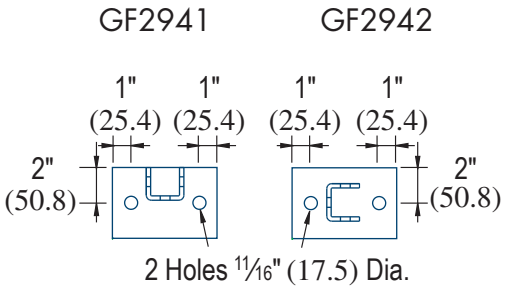
GF2941 & GF2942

POST BASES

Wt/100pcs: 358 Lbs



(GF2942 Shown)



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

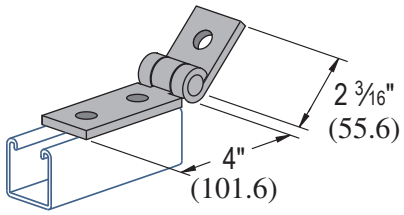
SUBMITTAL SHEETS

GF1354A

HINGE FITTING

ADJ. HINGE CONNECTION

Wt/100pcs: 89 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

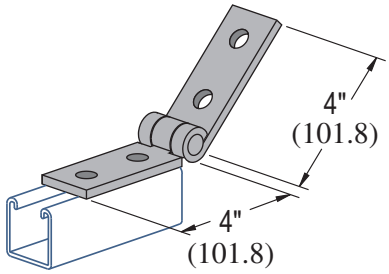
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1354

HINGE FITTING

ADJ. HINGE CONNECTION

Wt/100pcs: 109 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

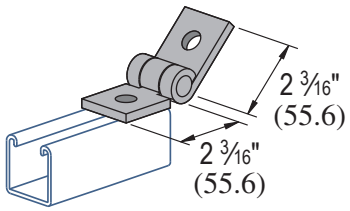
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1843

HINGE FITTING

ADJ. HINGE CONNECTION

Wt/100pcs: 68 Lbs



Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

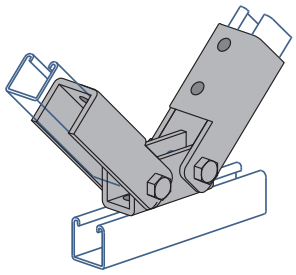
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

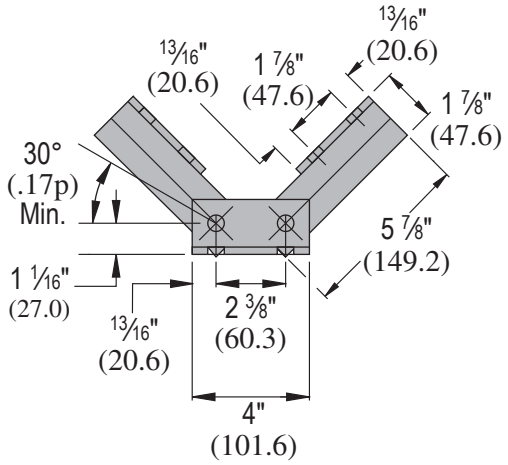
GF2815D

HINGE FITTING

ADJ. BRACE FITTING

Wt/100pcs: 497 Lbs





Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

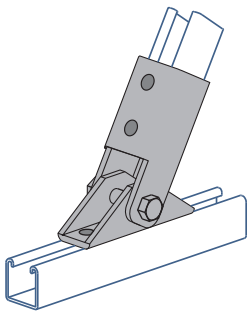
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

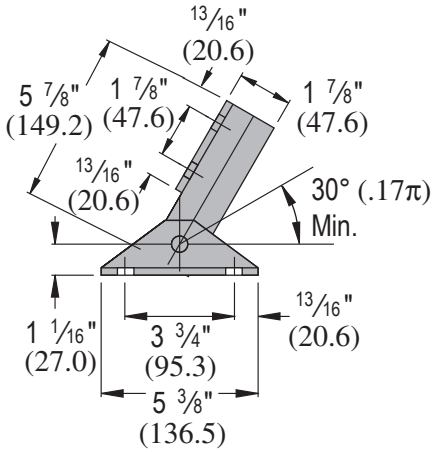
GF2815

HINGE FITTING

ADJ. BRACE FITTING

Wt/100pcs: 307 Lbs





Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

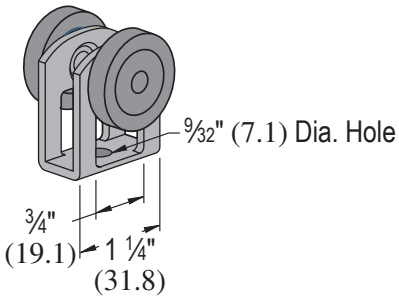
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

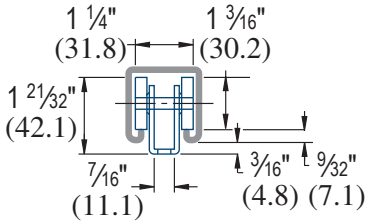
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2815 & GF2749N†

TROLLEYS

12 GAUGE





Clevis Material: 12 gauge

† "N" indicates acetal wheels

Part Number	Design Load Lbs	Wt/100 pcs Lbs
GF2749	50	21
GF2749 N	10	13

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

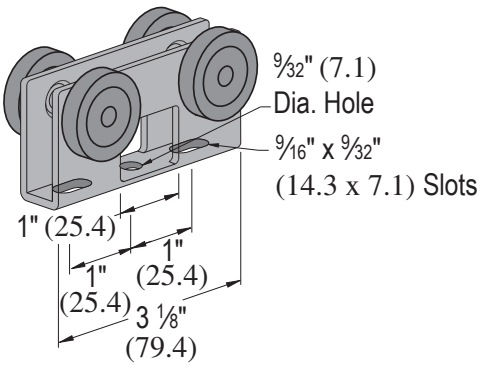
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

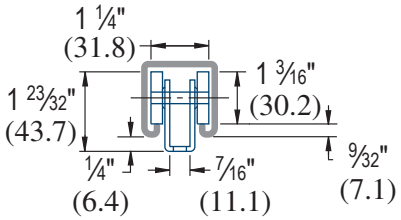
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2750 & GF2750N†

TROLLEYS

12 GAUGE





Part Number	Design Load Lbs	Wt/100 pcs Lbs
GF2750	100	55
GF2750 N	20	32

Clevis Material: 12 gauge
† "N" indicates acetal wheels

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

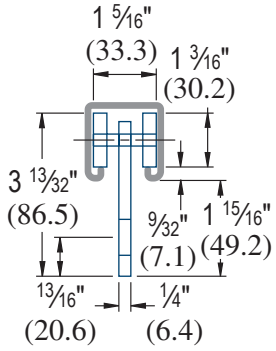
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

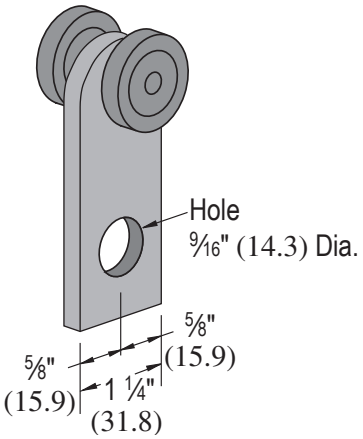
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2949

TROLLEYS

Wt/100pcs 46 Lbs





FPM	RPM	Design Load In P1000 Lbs
180	600	150
90	300	225
30	100	437

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

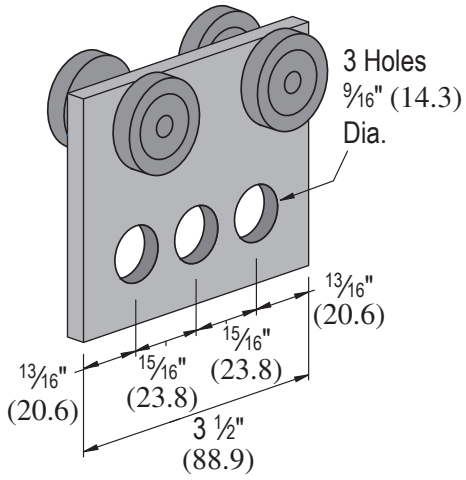
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

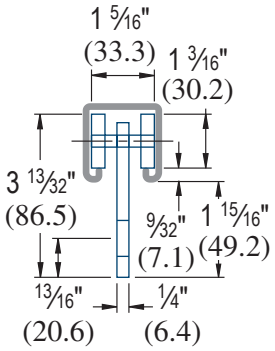
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2950

TROLLEYS

Wt/100pcs 110 Lbs





FPM	RPM	Design Load In P1000 Lbs
180	600	300
90	300	450
30	100	600

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

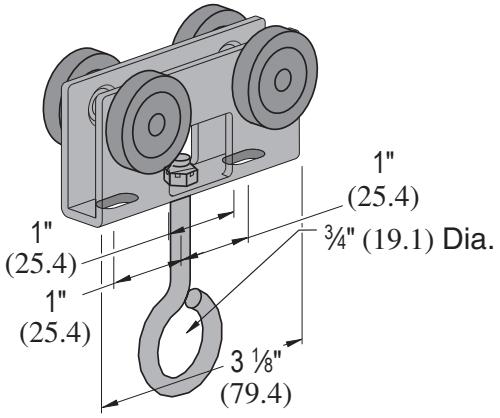
Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

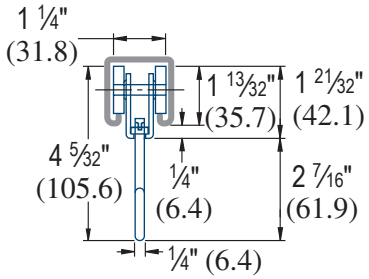
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2751 & GF2751N†

TROLLEYS





Part Number	Design Load Lbs	Wt/100 pcs Lbs
GF2751	100	63
GF2751 N	20	40

Clevis Material: 12 gauge

† "N" indicates acetal wheels

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

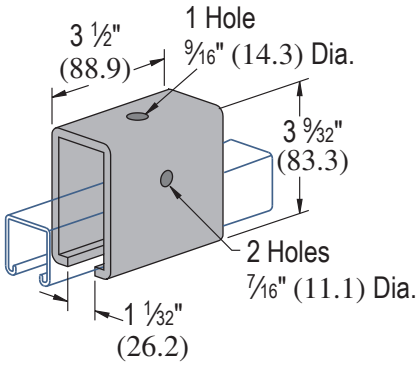
GF1834A

TROLLEYS

CHANNEL SUPPORT TROLLEY

Wt/100pcs 497 Lbs

Design Load
2,500 Lbs
(11.12 Kn)



Requires 3/8" x 2-1/2" Bolt and 3/8" Nut
(not included)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

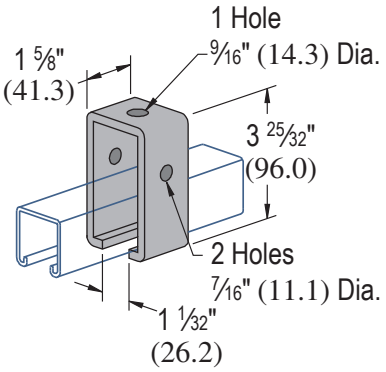
GF1834

TROLLEYS

CHANNEL SUPPORT TROLLEY

Wt/100pcs 497 Lbs

Design Load
1,200 Lbs
(5.34 Kn)



Requires 3/8" x 2-1/2" Bolt and 3/8" Nut
(not included)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

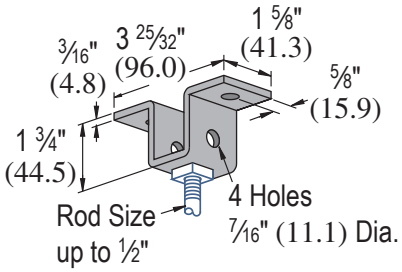
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

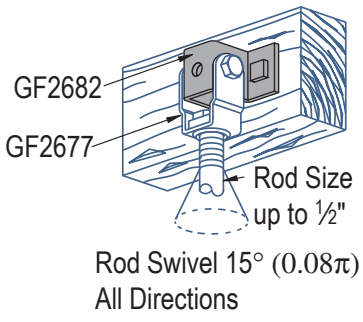
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2682

BEAM CLAMPS

Wt/100pcs 55 Lbs





Rod Swivel 15° (0.08π)
All Directions

Hanger clevis for up to 1/2" (12.7) rod suspension from wood ceilings. May also be used with GF2677 as illustrated in application drawings.

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the UBS for availability.

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

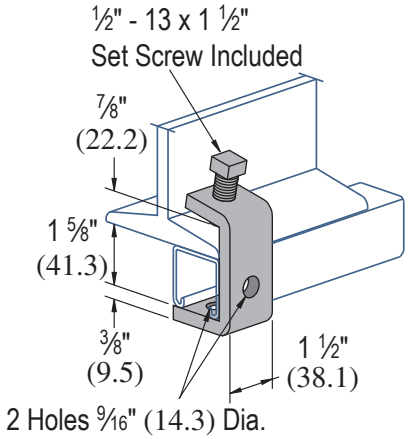
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1271S

BEAM CLAMPS

Wt/100pcs 307 Lbs

Design Load Each
500 Lbs
Use in Pairs Only



Note: Requires SN1010 Channel Nut and bolt

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the UBS for availability.

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

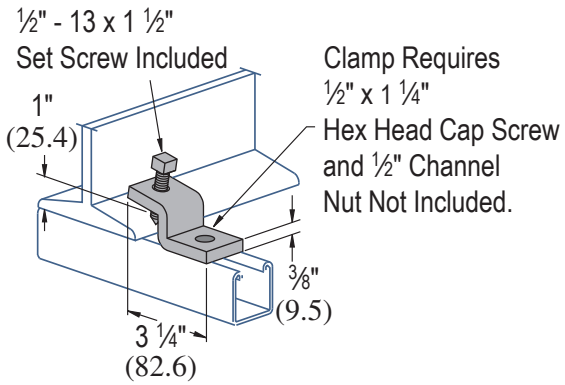
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1379S

BEAM CLAMPS

Wt/100pcs 75 Lbs



Channel Style	Design Load Each Lbs (Use in Pairs Only)
CH1000	600
CH1100	500

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the UBS for availability.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

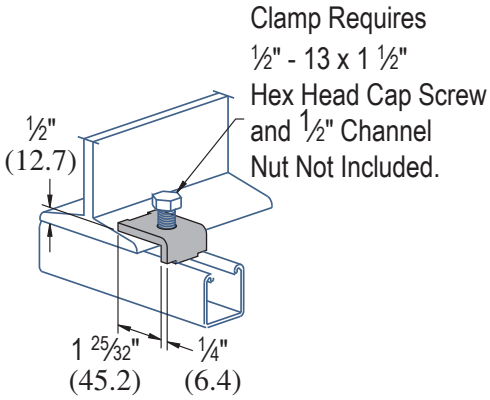
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1386

BEAM CLAMPS

Wt/100pcs 27 Lbs



Channel Style	Design Load Each Lbs (Use in Pairs Only)
CH1000	600
CH1100	500

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the UBS for availability.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

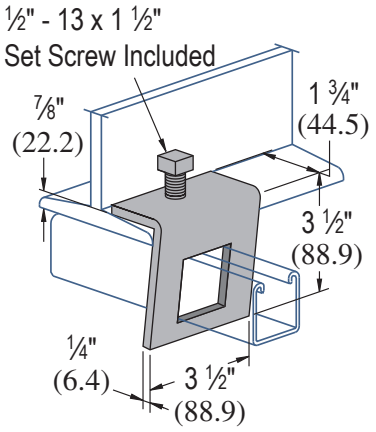
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1796S

BEAM CLAMPS

Wt/100pcs 91 Lbs



Channel Style	Design Load Each Lbs (Use in Pairs Only)
CH1000	500

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the UBS for availability.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

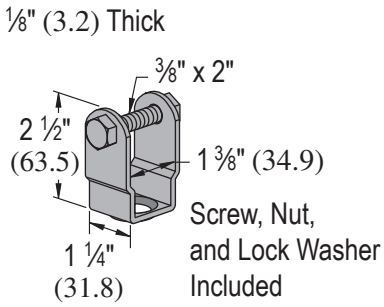
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

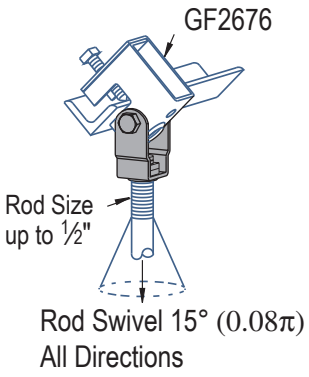
GF2677

BEAM CLAMPS

Wt/100pcs 91 Lbs

Design Load
500 Lbs





Clevis hanger to be used with GF2676 or GF2682 to provide angle adjustment and 15" (0.08ϖ) free swing for up to 1/2" (12.7) rod suspension.
Order swivel nuts GF 2679-4, -6, -8 as required

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the UBS for availability.

Materials & Finishes: EG

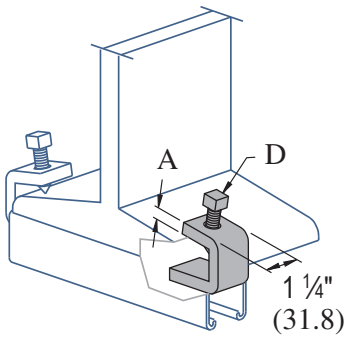
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF1272S & GF1986S

BEAM CLAMPS



Part Number	"A" In *(mm)*	Flange Thickness In *(mm)*	"D" Set Screw Included	Wt/100 pcs Lbs	Design Load Per Pair Lbs (Use in Pairs Only)
GF1272S	¼	Up to ¾	⅜-16 x 1½	39	450
	6.4	*Up to 19.1*			
GF1986S	⅜	⅞ to 2	½-13 x 1½	74	900
	9.5	*22.2 - 50.8*			

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

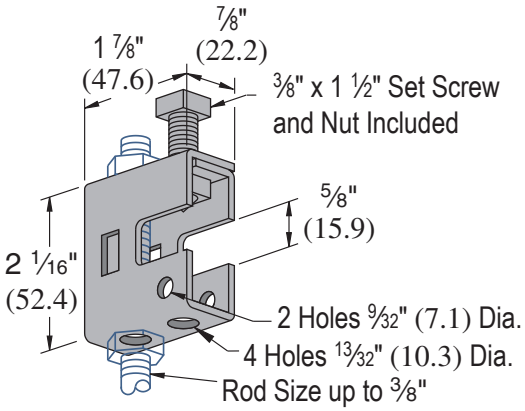
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

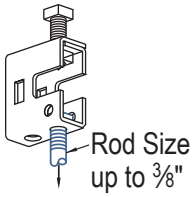
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2675

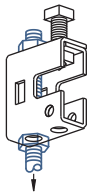
BEAM CLAMPS

Wt/100pcs 91 Lbs





Design Load
250 Lbs



Design Load
150 Lbs

Clamp Materials: .105" (2.7) thick steel.
Clamp GF2675 is designed for light duty rod suspension.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

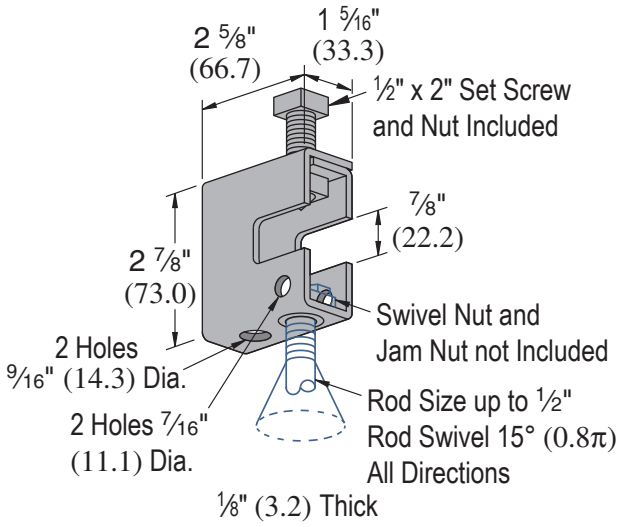
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

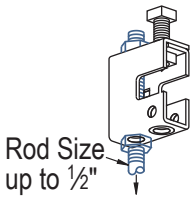
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2676

BEAM CLAMPS

Wt/100pcs 72 Lbs





Design Load
300 Lbs

Design Load
500 Lbs

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

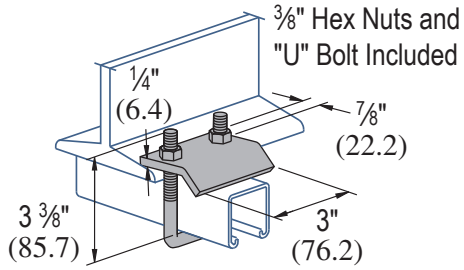
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2785

BEAM CLAMPS

Wt/100pcs 83 Lbs



- For use with beams up to ¾" flange thickness and Channels, CH1000, CH1100, CH2000, CH3000, CH3300, CH3301, CH4000, CH4100.

Design Load Each
1000 Lbs
Use in Pairs Only

Materials & Finishes: EG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

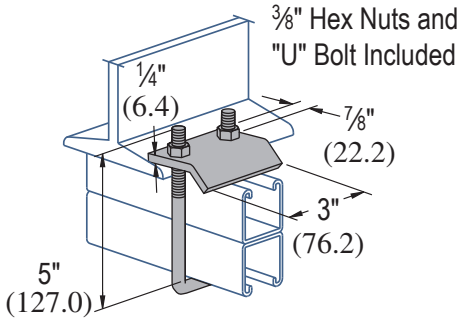
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2786

BEAM CLAMPS

Wt/100pcs 92 Lbs



- For use with beams up to 3⁄4" flange thickness and Channels, CH1001, CH5000, CH5500..

Design Load Each
1000 Lbs
Use in Pairs Only

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

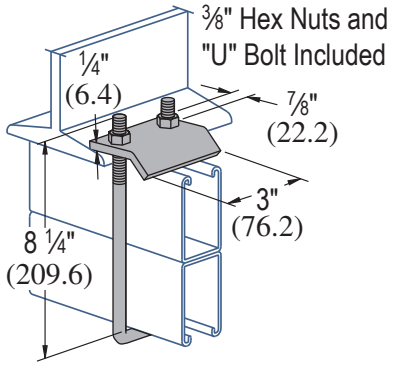
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2787

BEAM CLAMPS

Wt/100pcs 112 Lbs



- For use with beams up to 3/4" flange thickness and Channels, CH5001, CH5501.

Design Load Each
1000 Lbs
Use in Pairs Only

Materials & Finishes: EG

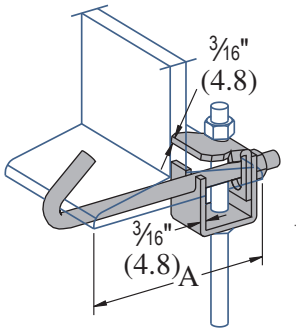
Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

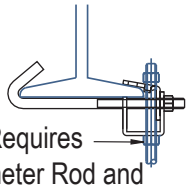
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2824-6

BEAM CLAMPS



"A" In *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
2½ - 6 *63.5 - 152.4*	125	500



Clamp Requires
½" Diameter Rod and
2 Hex Nuts (Sold Seperately)

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

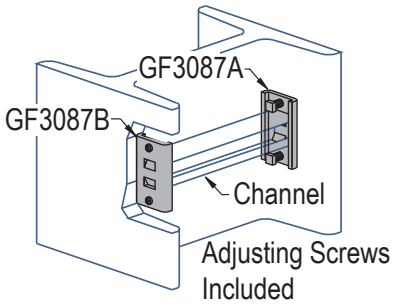
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

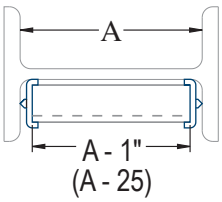
GF3087

BEAM CLAMPS

COLUMN INSERT

Wt/100pcs 136 Lbs





Channel Part Number	Design Pull Out Load Lbs	Design Slip Load Lbs
CH1000	1,000	800
CH1100	700	500

Safety factor of 3.

Adjusting Screws Included
UBS channel not included
Part number GF3087 consists of
(1) piece GF3087A
(1) piece GF3087B and
(2) set screws, 3/8" Dia

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

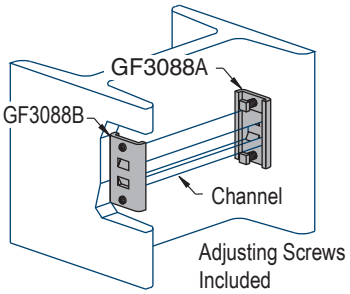
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

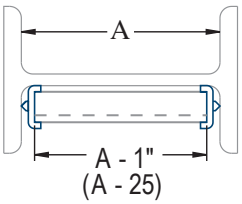
GF3088

BEAM CLAMPS

COLUMN INSERT

Wt/100pcs 120 Lbs





Channel Part Number	Design Pull Out Load Lbs	Design Slip Load Lbs
CH3000	1,000	800
CH4100	700	500
CH4000	500	300

Safety factor of 3.

Adjusting Screws Included
UBS channel not included
Part number GF3087 consists of
(1) piece GF3087A
(1) piece GF3087B and
(2) set screws, 3/8" Dia

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

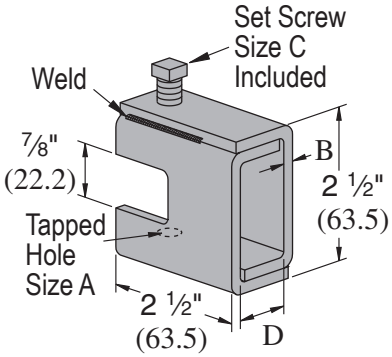
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

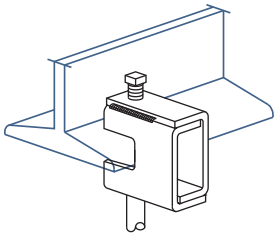
UBS INDUSTRIES

SUBMITTAL SHEETS

GF1649AS & GF1650AS

BEAM CLAMPS





Part Number	"A" In	"B" In *(mm)*	"C" In	"D" In *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
GF1649AS	3/8 - 16	1/8 *3.2*	3/8 x 1 1/2	7/8 *22.2*	67	650
GF1650AS	1/2 - 13	3/16 *4.8*	1/2 x 1 1/2	15/16 *23.8*	100	1,100

For beams under 7/8" (22.2) thick flange

Weld is not continuous it is either 1-1/4" (31.8) - 1-3/4" (44.5) long or 2 spot welds. All welds are on the top and bottom

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF416-12

BEAM CLAMPS

RETAINING STRAP

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

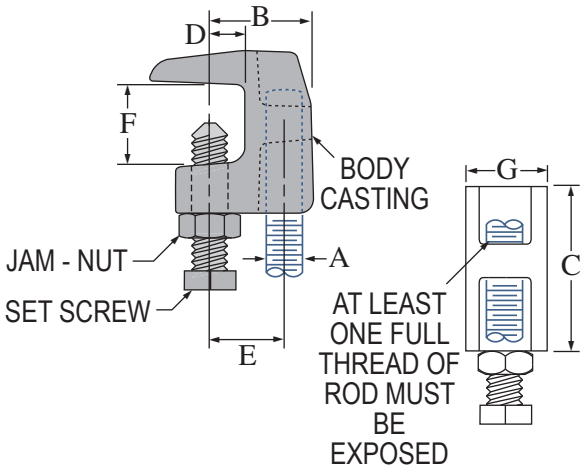
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF406

BEAM CLAMPS

TOP BEAM CLAMP



Part Number	Rod Size	Dimension Data					Max Pipe Dia. G	Recommended Max. Load (lbs)	Appx. Wt. per 100 (lbs)
		B	C	D	E	F			
GF406 - ⅜	⅜ *9.5*	1¼ *31.8*	1½ *38.1*	½ *12.7*	⅞ *22.2*	¾ *19.1*	⅞ *22.2*	350	32
GF406 - ½	½ *12.7*	1 5/16 *33.3*	1½ *38.1*	½ *12.7*	1 *25.4*	¾ *19.1*	⅞ *22.2*	470	32

Materials & Finishes: EG, PL, SS

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

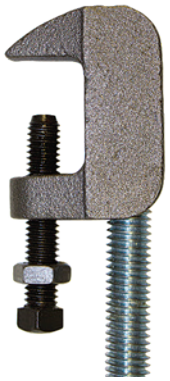
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Special Coatings	PL, GOLD	Other commercially available finishes can be supplied per specification when required to protect applications.

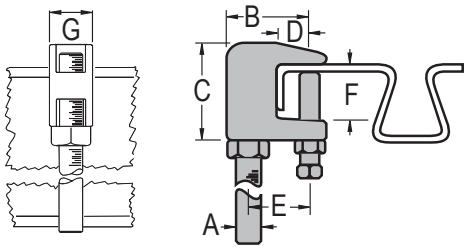
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF407

BEAM CLAMPS

WIDE MOUTH TOP BEAM CLAMP





Part Number	Rod Size	Dimension Data					Max Pipe Dia. G	Recommended Max. Load (lbs)	Appx. Wt. per 100 (lbs)
		B	C	D	E	F			
GF407 - ⅜	⅜ *9.5*	1⅜ *34.9*	2 *50.8*	½ *12.7*	1 *25.4*	1¼ *31.8*	⅞ *22.2*	400	55
GF407 - ½	½ *12.7*	1⅜ *34.9*	2 *50.8*	½ *12.7*	1 *25.4*	1¼ *31.8*	⅞ *22.2*	500	56

Materials & Finishes: EG, PL

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Special Coatings	PL, GOLD	Other commercially available finishes can be supplied per specification when required to protect applications.

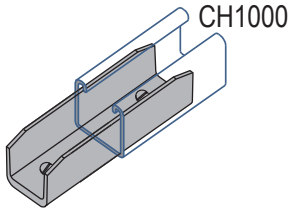
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2900 & GF2900T

OTHER GENERAL FITTINGS

IN CHANNEL JOINERS

Wt/100pcs 20 Lbs



* "T" for use with Slotted Channel
Set Screws included

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: PG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Channel Finish Specifications		
Finish	**Finish Code**	**Description**
Pre-Galvanized	**PG**	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification requirements of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

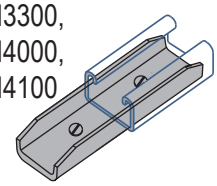
GF2904T

OTHER GENERAL FITTINGS

IN CHANNEL JOINERS

Wt/100pcs 12 Lbs

CH3300,
CH4000,
CH4100



* "T" for use with Slotted Channel
Set Screws included

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: PG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Channel Finish Specifications		
Finish	**Finish Code**	**Description**
Pre-Galvanized	**PG**	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification requirements of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.

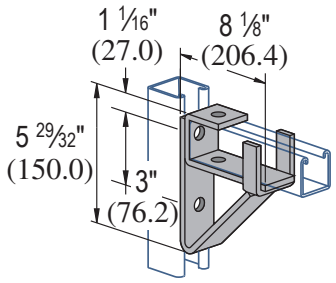
Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1075

CANTILEVER BRACKETS

BRACKET

Wt/100pcs 229 Lbs



For use with CH1000 or CH1100 Channel
Material: ¼" (6.4) thick steel.

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

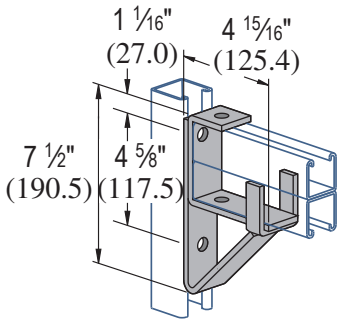
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1593

CANTILEVER BRACKETS

BACK-TO-BACK BRACKET

Wt/100pcs 272 Lbs



For use with CH1001 or CH5000 Channel
Material: ¼" (6.4) thick steel.

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

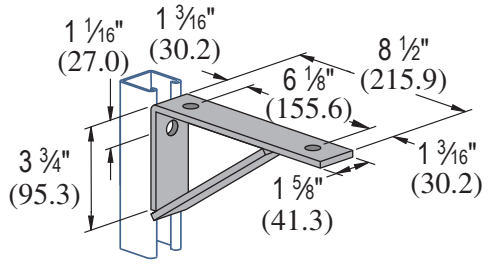
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1769

CANTILEVER BRACKETS

FITTING BRACKET

Wt/100pcs 174 Lbs



Vertical Channel		Uniform Design Load Lbs
Part No.	Gauge	
CH1000	12	800
CH1100	14	600
CH2000	16	400

Material: 1/4" (6.4) thick steel

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

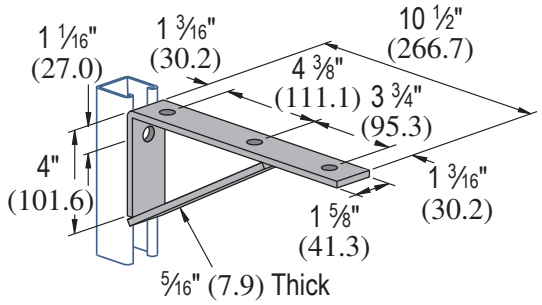
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1771

CANTILEVER BRACKETS

FITTING BRACKET

Wt/100pcs 206 Lbs



Vertical Channel		Uniform Design Load Lbs
Part No.	Gauge	
CH1000	12	800
CH1100	14	600
CH2000	16	400

Material: 1/4" (6.4) thick steel

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

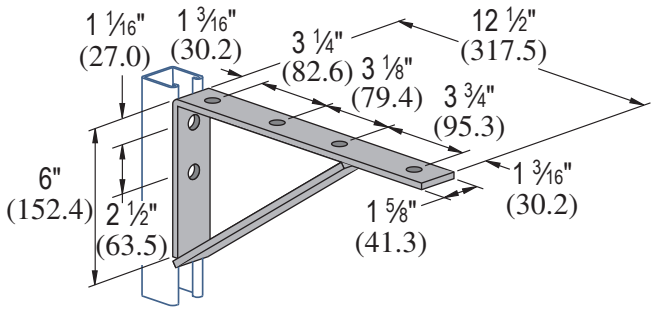
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1773

CANTILEVER BRACKETS

FITTING BRACKET

Wt/100pcs 264 Lbs



Vertical Channel		Uniform Design Load Lbs
Part No.	Gauge	
CH1000	12	900
CH1100	14	800
CH2000	16	450

Material: 1/4" (6.4) thick steel

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

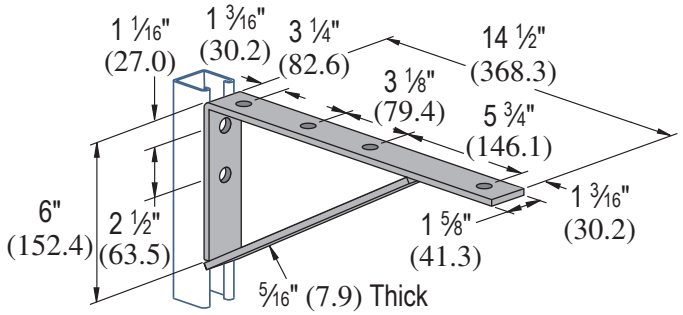
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1775

CANTILEVER BRACKETS

FITTING BRACKET

Wt/100pcs 295 Lbs



Vertical Channel		Uniform Design Load Lbs
Part No.	Gauge	
CH1000	12	900
CH1100	14	800
CH2000	16	450

Material: 1/4" (6.4) thick steel

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

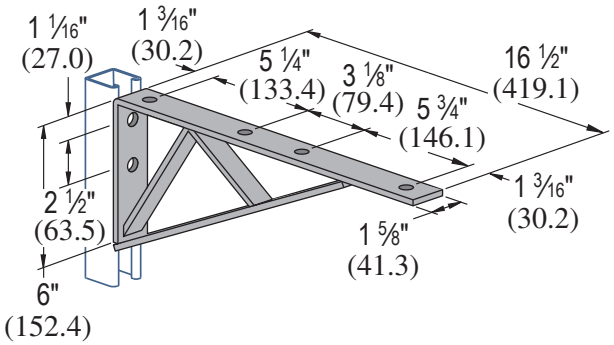
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB1777

CANTILEVER BRACKETS

FITTING BRACKET

Wt/100pcs 264 Lbs



Vertical Channel		Uniform Design Load Lbs
Part No.	Gauge	
CH1000	12	1,200
CH1100	14	900
CH2000	16	600

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

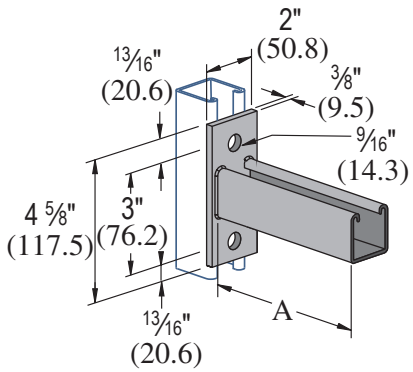
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB2944 THRU CB2947

CANTILEVER BRACKETS

CANTILEVER BRACKET

Wt/100pcs 264 Lbs



Part Number	"A" In *(mm)*	Wt/100 pcs Lbs	Uniform Load* Lbs
CB2944	6 *152.4*	185	1200
CB2945	12 *304.8*	293	600
CB2946	18 *457.2*	401	400
CB2947	24 *609.6*	509	300

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

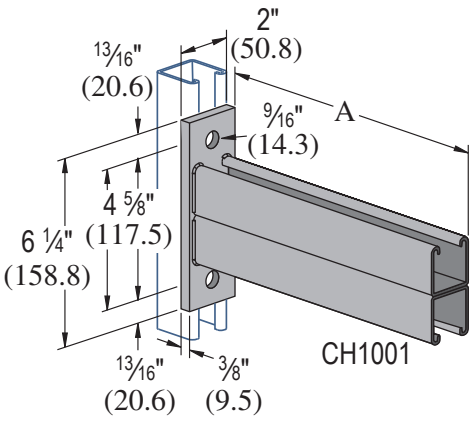
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB2542 THRU CB2546

CANTILEVER BRACKETS

BACK-TO-BACK CANTILEVER BRACKET



Part Number	"A" In (mm)	Wt/100 pcs Lbs	Vertical Channel		Uniform Design Load Lbs
			Part No.	Gauge	
CB2542	12 *304.8*	502	CH1000 CH1100 CH2000	12 14 16	2,000 1,400 1,000
CB2543	18 *457.2*	692	CH1000 CH1100 CH2000	12 14 16	1,300 900 650
CB2544	24 *609.6*	882	CH1000 CH1100 CH2000	12 14 16	1,000 700 500
CB2545	30 *762.0*	1,072	CH1000 CH1100 CH2000	12 14 16	800 560 400
CB2546	36 *914.4*	1,262	CH1000 CH1100 CH2000	12 14 16	650 450 320

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

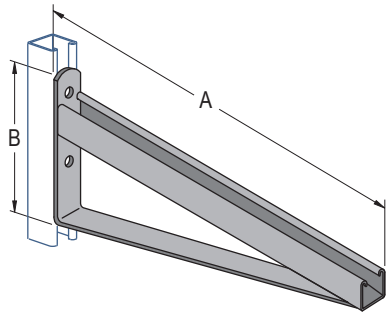
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CB2547 THRU CB2551

BRACKETS & KNEE BRACES

CABLE TRAY BRACKET



Part Number	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs	Uniform Load* Lbs
CB2547	15 *381.0*	8¾ *222*	420	1,000
CB2548	21 *533.4*	8¾ *222*	628	1,000
CB2549	27 *685.8*	11¼ *286*	860	900
CB2550	33 *838.2*	11¼ *286*	1010	900
CB2551	39 *990.6*	16 *406.4*	1257	800

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

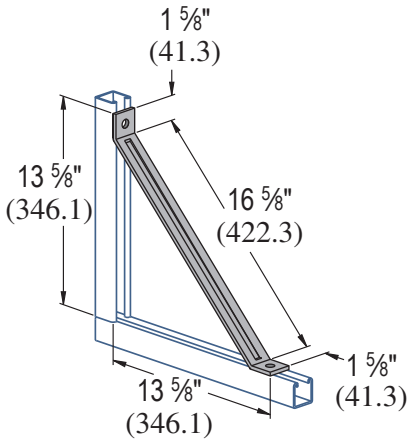
Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2452

BRACKETS & KNEE BRACES

KNEE BRACE

Wt/100pcs 55 Lbs



Material: 1/4" (6.4) thick steel.
Design Axial Load 1200 Lbs

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: GR

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

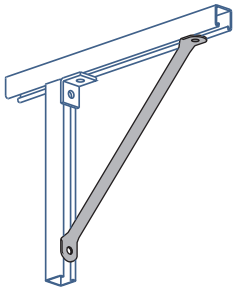
Finish Specifications		
Finish	**Finish Code**	**Description**
Green Powder Coat	GR	Green Powder Coat conforming to commercial standards for Powder Coating.

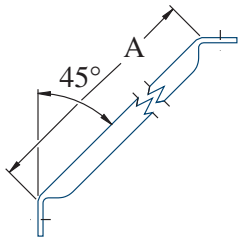
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

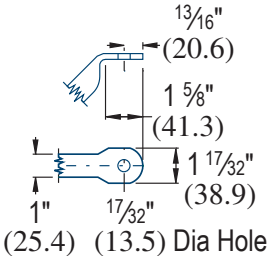
GF2458-18

BRACKETS & KNEE BRACES

TUBULAR KNEE BRACE







Part Number	"A" In *(mm)*	Wt/100 pcs Lbs
GF2458-18	18 *457.2*	146

Design Loads
Compression = 1500 Lbs
Tension = 300 Lbs

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)
Note : When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping.

Materials & Finishes: GR

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

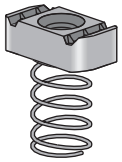
Finish Specifications		
Finish	**Finish Code**	**Description**
Green Powder Coat	GR	Green Powder Coat conforming to commercial standards for Powder Coating.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

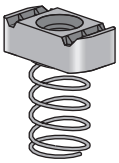
CHANNEL NUT WITH SPRING

SPRING NUTS AND HARDWARE

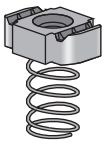
STANDARD SPRING



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN1006-1420 EG	1/4"	-20	7	CH1000, CH1100, CH3000
SN1006-1420 SS				
SN1007 EG	5/16"	-18	6	
SN1008 EG	3/8"	-16	10	
SN1008 SS				
SN1010 EG	1/2"	-13	12	
SN1010 SS				



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN M10 EG	M10		10	CH1000, CH1100, CH3000
SN M8 EG	M8		10	



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN1012S EG	5/8"	-11	21	CH1000, CH1100, CH3000
SN1023S EG	3/4"	-10	21	

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

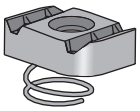
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CHANNEL NUT WITH SPRING

SPRING NUTS AND HARDWARE

SHORT SPRING

Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN4006-1420 EG	¼"	-20	7	CH3300, CH4000, CH4100
SN4006-1420 SS				
SN4007 EG	5/16"	-18	6	
SN4008 EG	⅜"	-16	9	
SN4010 EG	½"	-13	8	



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN4012S EG	⅝"	-11	10	CH3300, CH4000, CH4100

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

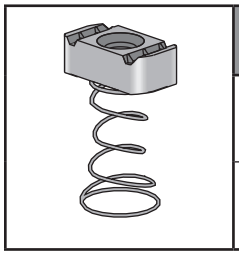
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CHANNEL NUT WITH SPRING

SPRING NUTS AND HARDWARE

LONG SPRING



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN5508 EG	⅜"	-16	10	CH5500
SN5510 EG	½"	-13	12	

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CHANNEL NUT WITH SPRING

SPRING NUTS AND HARDWARE

FOR SERIES CH7000

Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN7006-1420	¼"	-20	1	**CH7000**

Materials & Finishes: EG

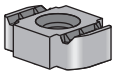
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

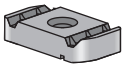
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CHANNEL NUT WITHOUT SPRING

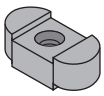
SPRING NUTS AND HARDWARE



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN1023 EG	¾"	-10	20	Any Channel Except CH3300, CH4000, CH4100



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN3006-1420 EG	¼"	-20	6	Any Channel
SN3008 EG	⅜"	-16	9	Any Channel
SN3010 EG	½"	-13	11	Any Channel Except CH3300, CH4000, CH4100
SN3013 EG	½"	-13	8	CH3300, CH4000 CH4100



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN1016 EG	⅜"	-16	*17.5*	Any Slotted Channel

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

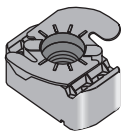
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CHANNEL NUT WITHOUT SPRING

SPRING NUTS AND HARDWARE

TOP LOCK



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN1008 T EG	⅜"	-16	10	**Any Channel**
SN1010 T EG	½"	-13	12	**Any Channel Except CH3300, CH4000, CH4100**
SN4008 T SS	⅜"	-16	12	**CH1000, , CH2000, CH3000, CH5500**
SN4010 T EG	½"	-13	*8*	**CH3300, CH4000, CH4100**

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

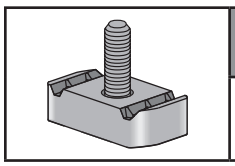
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CHANNEL NUT WITHOUT SPRING

SPRING NUTS AND HARDWARE

STUD NUT



Part Number	Nut Size Thread		Wt/100 pcs Lbs	Use With
SN14 EG	¼"	-20	*11*	**Any Channel**

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

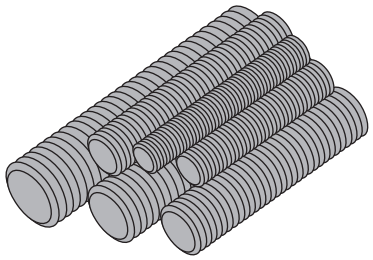
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

PLATED THREADED ROD

SPRING NUTS & HARDWARE

Length: 10'



Size	Wt/100 Ft. Lbs
¼"	13
⅜"	30
½"	53
⅝"	84
¾"	124
⅞"	170

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

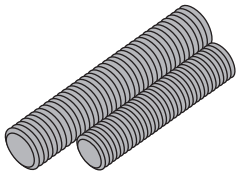
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

STAINLESS STEEL THREADED ROD

SPRING NUTS & HARDWARE

Length: 12'



Size	Wt/100 Ft. Lbs
3/8"	30
1/2"	53
5/8"	84
3/4"	124

Materials & Finishes: SS

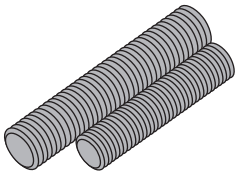
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

B7 THREADED ROD

SPRING NUTS & HARDWARE

Length: 6'



Size	Wt/100 Ft. Lbs
3/8"	30
5/8"	84

Made from ASTM A193 GR B7

Materials & Finishes: ZD, SS

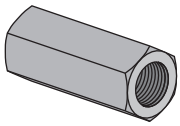
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated Dicromate	**ZD**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny, yellow and smooth, and is suitable for indoor environments with low relative humidity. ASTM B633 Type II SC3.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

ROD COUPLER

SPRING NUTS & HARDWARE



Size	Wt/100 Ft. Lbs
¼"	13
⅜"	30
½"	53
⅝"	84

Materials & Finishes: EG

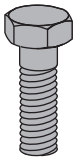
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

HEX BOLT

SPRING NUTS & HARDWARE



Size	Lengths Available
1/4"	3/4" – 1 1/4"
5/16"	1 1/2" – 5"
3/8"	3/4" – 7"
1/2"	1" – 4"

Materials & Finishes: EG, HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

HEX NUT

SPRING NUTS & HARDWARE

Size	Wt/100 Ft. Lbs
¼"	0.6
5⁄16"	1.2
⅜"	1.6
½"	4.8
⅝"	7.3

Materials & Finishes: EG, HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

LOCK WASHER

SPRING NUTS & HARDWARE

Size	Wt/100 Ft. Lbs
1/4"	0.25
5/16"	0.41
3/8"	0.63
1/2"	1.32
5/8"	2.20

Materials & Finishes: EG, HG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

FLAT WASHER

SPRING NUTS & HARDWARE

Size	Wt/100 Ft. Lbs
1/4"	0.8
5/16"	1.0
3/8"	1.5
1/2"	3.5
5/8"	7.7

Materials & Finishes: EG, HG, SS

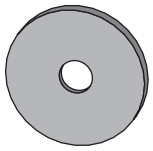
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

FENDER WASHER

SPRING NUTS & HARDWARE



Size	Wt/100 Ft. Lbs
¼"	1.0
⅜"	3.0
½"	6.0
⅝"	9.0

Materials & Finishes: EG, HG, SS

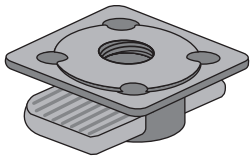
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.
Hot Dip Galvanized After Fabrication	**HG**	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

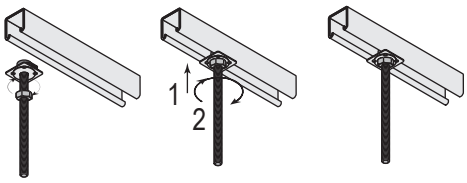
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

KWIK WASHER

SPRING NUTS & HARDWARE



Part No.	Size In *(mm)*	Load Lbs	Wt/100 pcs Lbs
GFK1062 EG	¼" *(6.4)*	250	1.2
GFK1063 EG	⅜" *(9.5)*	610	2.6
GFK1064 EG	½" *(12.7)*	1,130	9.3



Overhead installation with one hand.

Materials & Finishes: EG

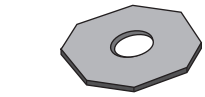
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

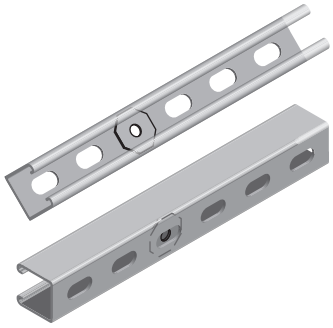
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SLOT ADAPTER

SPRING NUTS & HARDWARE





Part No.	Bolt Size	Wt/100 pcs Lbs
GFSA025	¼" *(6.4)*	1
GFSA037	⅜" *(9.5)*	1.5

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

MDS38 & MDS12

SPRING NUTS & HARDWARE

DROP-IN INSERT

Part No.	Size	Drill Bit Diameter	Allowable Tension Load 3000 psi Concrete	Pull-Out 3000 psi Concrete
MDS38	⅜" - 16	½"	795 Lbs	4,400 Lbs
MDS12	½" - 13	⅝"	1,178 Lbs	7,040 Lbs

*zinc plated steel

Materials & Finishes: EG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CSM12

SPRING NUTS & HARDWARE
CHANNEL SOCKET

Part Number	Size
CSM12	½"

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

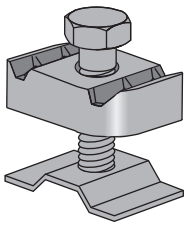
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

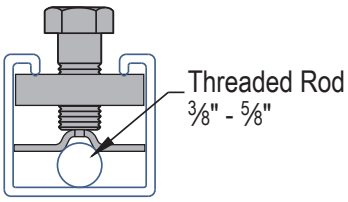
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF3500

SPRING NUTS & HARDWARE
SEISMIC ROD STIFFENER

Wt/100pcs 16 Lbs





Notes:

1. Minimum Tensile Stress is 50,000 psi (345MPa)
2. Working Stress is 10,700 psi (73.9 MPa) – Same as for Tension
3. Compression Will Only Occur During a Seismic Event
4. Compression Requires the Use of Rod Stiffeners
5. KL/r = 200 When Rod Stress is at 35%

Refer to a seismic bracing systems catalog for more information.

Rod Size In *(mm)*	Root Area In2 *(mm2)*	Radius of Gyration In *(mm)*	Design Load Lbs *(kN)*	Rod Stiffener Clip Spacing (L)			
				Rod Stress @100% 10,700 PSI In *(mm)*	Rod Stress @75% 8,025 PSI In *(mm)*	Rod Stress @50% 5,350 PSI In *(mm)*	Rod Stress @35% 3,745 PSI In *(mm)*
3/8	0.068	0.074	730	9	11	13	15
9.5	*49.5*	*1.99*	*3.25*	*228.6*	*279.4*	*330.2*	*381.0*
1/2	0.126	0.100	1,350	12	14	17	21
12.7	*72.4*	*2.40*	*6.01*	*304.8*	*355.6*	*431.8*	*533.4*
5/8	0.202	0.127	2,160	15	18	22	26
15.9	*138.3*	*3.32*	*9.61*	*381.0*	*457.2*	*558.8*	*660.4*

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

WEDGE ANCHOR

SPRING NUTS & HARDWARE

Part No.	Size
¼ Wedge	¼"
⅜ Wedge	⅜"
½ Wedge	½"
⅝ Wedge	⅝"
¾ Wedge	¾"
⅞ Wedge	⅞"
1 Wedge	1"
1¼ Wedge	1¼"

*zinc plated steel
Available in Various lengths

Materials & Finishes: EG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

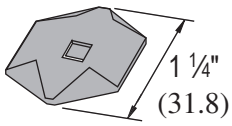
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF2485

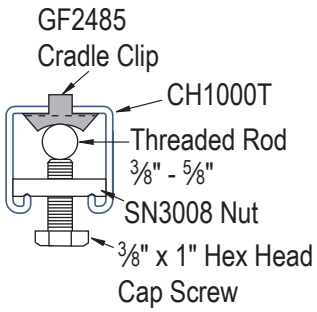
SPRING NUTS & HARDWARE

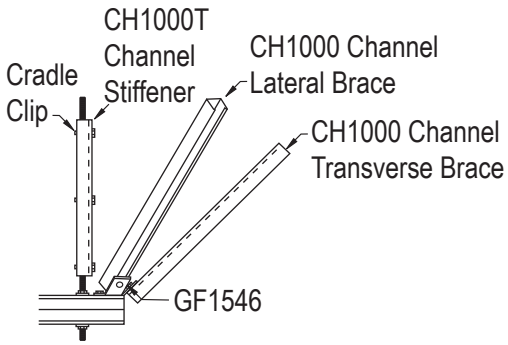
CRADLE CLIP

Wt/100pcs 3 Lbs



Cradle clip only, order other items separately.





Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

QD14 THRU QD12

SPRING NUTS & HARDWARE

Q-DECK HANGER

The fastest, most economical way to hang plumbing pipe, light fixtures, sheet metal duct, display fixtures, and more from a Q-Deck. The Q-Deck Hanger eliminates unsightly holes chiseled or punched in the side of the Q-Deck, weakening the deck. With the Q-Deck Hanger, you can keep damage to roof insulation to a minimum.

QD14

QD38

QD12

Part Number	Hole Size	Width	Number of Bottom Side Holes	Lab Pull-Test Top	Lab Pull-Test Bottom	Recommended Load Lbs 5-1 Safety	
						Top	Bottom
QD14	¼"	¾" Wide	2	1,570 lbs	1,130 lbs	314	226
QD38	⅜"	¾" Wide	2	1,570 lbs	1,130 lbs	314	226
QD12	½"	1½" Wide	4	–	–	–	–

Materials & Finishes: AL

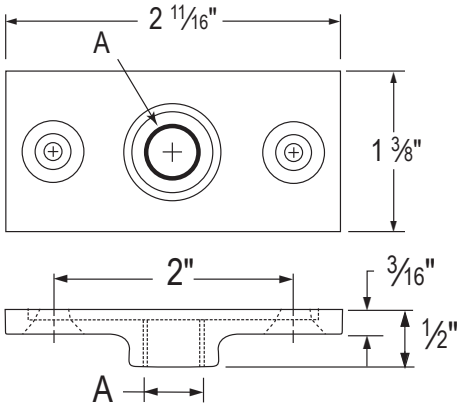
Channel Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Aluminum: Channel	AL	B 221 TYPE 6063 T5/T6	Aluminum alloy extruded bar, rod, wire, shape and tube.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

CF14 THRU CF12

SPRING NUTS & HARDWARE

MALLEABLE CEILING FLANERS



Part Number	A Size	Anchor Test (lbs)	Recommended Load 5-1 Safety
CF14	1/4"	2,500	500
CF38	3/8"	3,000	600
CF12	1/2"	3,000	600

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UPI14 THRU UPI12

SPRING NUTS & HARDWARE

PRESET INSERT

Part No.	Size	Lab Pull-Test	Recommended Load 5-1 Safety
UPI14	¼"	2,800	560 Lbs
UPI38	⅜"	4,300	860 Lbs
UPI12	½"	4,800	960 Lbs

Materials & Finishes: Plastic

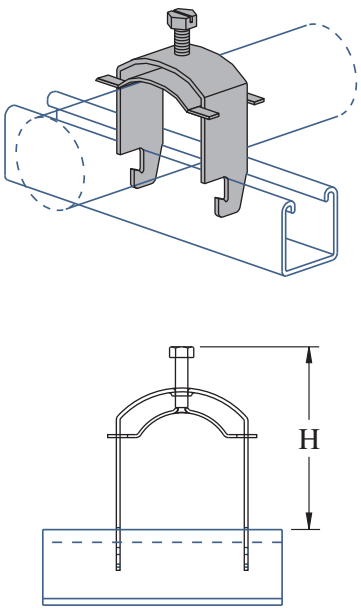
Material & Finish Specifications		
Finish	Finish Code	Description
Plastic	Plastic	White and Black Plastic

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SC025 THRU SC400

CLAMPS & PIPE SUPPORTS

SADDLE CLAMPS - ONE PIECE



Part No.	Nominal Trade Size In *(mm)*	Trade Size O.D.		Height Above Channel "H"	
		Min In *(mm)*	Max In *(mm)*	Min In *(mm)*	Max. In *(mm)*
SC025	¼ *6.4*	0.375 *9.5*	0.5 *13.7*	1¾ *44.5*	2 *50.8*
SC037	⅜ *9.5*	0.5 *12.7*	0.7 *17.1*	1⅞ *47.6*	2⅛ *54.0*
SC050	½ *12.7*	0.63 *15.9*	0.84 *21.3*	2 *50.8*	2¼ *57.2*
SC075	¾ *19.1*	0.88 *22.2*	1.05 *26.7*	2¼ *57.2*	2½ *63.5*
SC100	1 *25.4*	1.13 *28.6*	1.32 *33.4*	2⅜ *60.3*	2¾ *69.9*
SC125	1¼ *31.8*	1.38 *34.9*	1.66 *42.2*	2¾ *69.9*	3⅛ *79.4*
SC150	1½ *38.1*	1.63 *41.3*	1.90 *48.3*	3 *76.2*	3⅜ *85.7*
SC200	2 *50.8*	2.13 *54.0*	2.38 *60.3*	3⅜ *85.7*	3⅞ *98.4*
SC250	2½ *63.5*	2.63 *66.7*	2.88 *73.0*	4¼ *108.0*	4⅝ *117.5*
SC300	3 *76.2*	3.13 *79.4*	3.50 *88.9*	4⅞ *123.8*	5⅜ *136.5*
SC350	3½ *88.9*	3.63 *92.1*	4.00 *101.6*	5¼ *133.4*	5⅞ *149.2*
SC400	4 *101.6*	4.13 *104.8*	4.50 *114.3*	5¾ *146.1*	6⅜ *161.9*

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

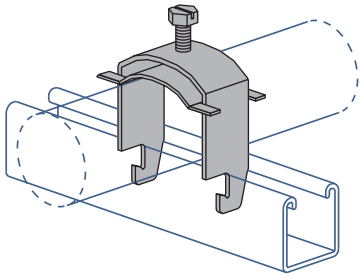
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

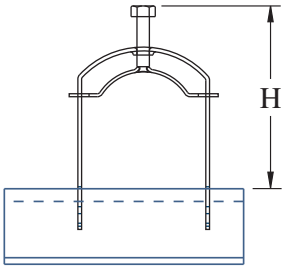
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SC055 SS THRU SC475 SS

CLAMPS & PIPE SUPPORTS

SADDLE CLAMPS - ONE PIECE STAINLESS





Part No.	O.D. Range In *(mm)*	Gauge	Wt/100 pcs Lbs
SC055 SS	0.050 - 0.550 *1.3 - 14.0*	16 GA.	8
SC081 SS	0.310 - 0.810 *7.9 - 20.6*	16 GA.	9
SC110 SS	0.810 - 1.100 *20.6 - 28.0*	16 GA.	12
SC135 SS	0.850 - 1.350 *21.6 - 34.3*	14 GA.	14
SC175 SS	1.250 - 1.750 *31.8 - 44.5*	14 GA.	21
SC205 SS	1.750 - 2.050 *44.5- 52.1*	12 GA.	30
SC250 SS	2.000 - 2.500 *50.8 - 63.5*	12 GA.	35
SC300 SS	2.500 - 3.000 *63.5 - 76.2*	12 GA.	39
SC325 SS	2.750 - 3.250 *69.9 - 82.6*	12 GA.	41
SC375 SS	3.250- 3.750 *82.6 - 95.3*	12 GA.	47
SC425 SS	3.750 - 4.250 *95.3 - 108.0*	12 GA.	54
SC475 SS	4.250 - 4.750 *108.0 - 120.7*	12 GA.	58

Materials & Finishes: SS

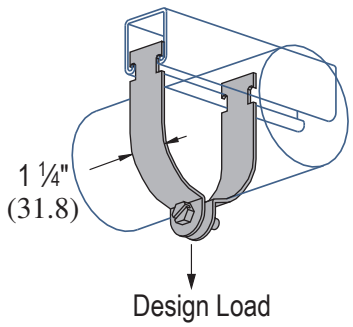
Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

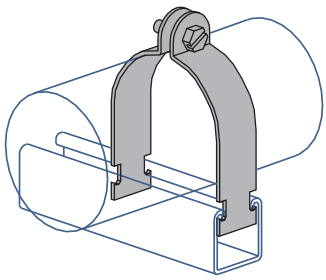
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

PC1109 THRU PC1126

CLAMPS & PIPE SUPPORTS

2 PIECE PIPE CLAMPS FOR RIGID STEEL CONDUIT





Part No.	Conduit Size In	O.D. Size In *(mm)*	Thickness Gauge *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
PC1109	⅜	0.675 *17.1*	16 *1.5*	10	400
PC1111	½	0.840 *21.3*	16 *1.5*	11	400
PC1112	¾	1.050 *26.7*	14 *1.9*	15	600
PC1113	1	1.315 *33.4*	14 *1.9*	17	600
PC1114	1¼	1.660 *42.2*	14 *1.9*	19	600
PC1115	1½	1.900 *48.3*	12 *2.7*	29	800
PC1117	2	2.375 *60.3*	12 *2.7*	34	800
PC1118	2½	2.875 *73.0*	12 *2.7*	40	800
PC1119	3	3.500 *88.9*	12 *2.7*	47	800
PC1120	3½	4.000 *101.6*	11 *3.0*	62	1,000
PC1121	4	4.500 *114.3*	11 *3.0*	67	1,000
PC1123	5	5.563 *141.3*	11 *3.0*	80	1,000
PC1124	6	6.625 *168.3*	10 *3.4*	102	1,000
PC1126	8	8.625 *219.1*	10 *3.4*	130	1,000

Materials & Finishes: AL, EG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	
Aluminum: Channel	**AL**	B 221 TYPE 6063 T5/T6	Aluminum alloy extruded bar, rod, wire, shape and tube.

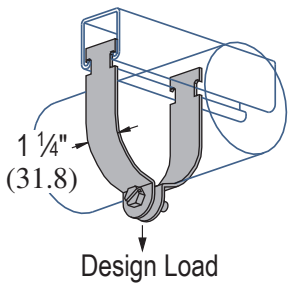
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

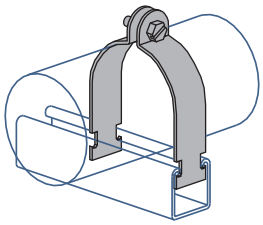
Project Information:		**Approval Stamp:**
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

PC1425 THRU PC1431

CLAMPS & PIPE SUPPORTS

2 PIECE PIPE CLAMPS FOR THIN WALL CONDUIT (EMT)





Part No.	Conduit Size In *(mm)*	O.D. Size In *(mm)*	Thickness Gauge *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
PC1425	⅜ *9.5*	0.577 *14.7*	16 *1.5*	9	400
PC1426	½ *12.7*	0.706 *17.9*	16 *1.5*	11	400
PC1427	¾ *19.1*	0.922 *23.4*	16 *1.5*	12	400
PC1428	1 *25.4*	1.163 *29.5*	14 *1.9*	15	600
PC1429	1¼ *31.8*	1.510 *38.4*	14 *1.9*	18	600
PC1430	1½ *38.1*	1.740 *44.2*	12 *2.7*	29	800
PC1431	2 *50.8*	2.197 *55.8*	12 *2.7*	33	800

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

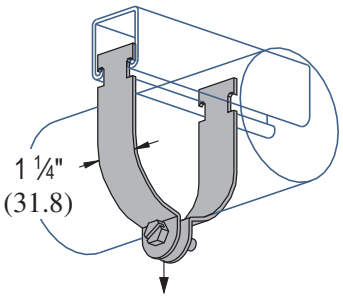
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

PC2024 THRU PC1126

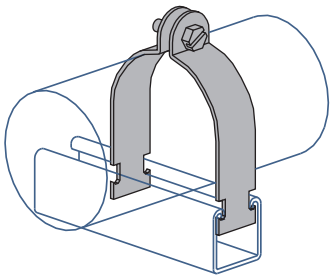
CLAMPS & PIPE SUPPORTS

2 PIECE OD PIPE CLAMP

PC2024 - PC2029 16 ga.
PC2030 - PC2035 14 ga.
PC2037 - PC2052 12 ga.
PC2053 - PC2066 11 ga.
PC2067 - PC2070-84 10 ga.



Design Load



Part Number	O.D. Size In *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
PC2024	¼" *6.4*	8	400
PC2025	⅜" *9.5*	8	
PC2026	½" *12.7*	9	
PC2027	⅝" *15.9*	10	
PC2028	¾" *19.1*	11	
PC2029	⅞" *22.2*	12	
PC2030	1" *25.4*	14	600
PC2031	1⅛" *28.6*	15	
PC2032	1¼" *31.8*	16	
PC2033	1⅜" *34.9*	17	
PC2034	1½" *38.1*	18	
PC2035	1⅝" *41.3*	19	
PC1430	1½" *38.1*	29	800
PC2037	1⅞" *47.6*	28	
PC2038	2" *50.8*	31	
PC2039	2⅛" *54.0*	32	
PC2040	2¼" *57.2*	33	
PC1117	2⅜" *60.3*	34	

Part Number	O.D. Size In *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
PC2042	2½" *63.5*	35	800 (cont.)
PC2043	2⅝" *66.7*	37	
PC2044	2¾" *69.9*	38	
PC1118	2⅞" *73.0*	40	
PC2046	3" *76.2*	41	
PC2047	3⅛" *79.4*	43	
PC2048	3¼" *82.6*	45	
PC2049	3⅜" *85.7*	46	
PC1119	3½ *88.9*	47	
PC2051	3⅝" *92.1*	56	1,000
PC2052	3¾" *95.3*	58	
PC2053	3⅞" *98.4*	60	
PC1120	4½" *101.6*	62	
PC2055	4⅛" *104.8*	62	
PC2056	4¼" *108.0*	64	
PC2057	4⅜" *111.1*	66	
PC1121	4½" *114.3*	67	
PC2059	4⅝" *117.5*	70	

Part Number	O.D. Size In *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
PC2060	4¾" *120.7*	72	1000 (cont.)
PC2061	4⅞" *123.8*	73	
PC2062	5" *127.0*	74	
PC2063	5⅛" *130.2*	76	
PC2064	5¼" *133.4*	77	
PC2065	5⅜" *136.5*	78	
PC2066	5½" *140.0*	79	
PC2067	5⅝" *142.9*	88	
PC2068	5¾" *146.1*	90	
PC2069	5⅞" *149.2*	92	
PC2070	6" *152.4*	94	
PC2070-61	6⅛" *155.6*	96	
PC2070-62	6¼" *158.8*	98	
PC2070-63	6⅜" *161.9*	99	
PC2070-64	6½" *165.1*	100	
PC1124	6⅝" *168.3*	102	

Part Number	O.D. Size In *(mm)*	Wt/100 pcs Lbs	Design Load Lbs
PC2070-66	6¾" *171.5*	104	1000 (cont.)
PC2070-67	6⅞" *174.6*	106	
PC2070-70	7" *177.8*	108	
PC2070-71	7⅛" *181.0*	110	
PC2070-72	7¼" *184.2*	112	
PC2070-73	7⅜" *187.3*	114	
PC2070-74	7½" *190.5*	116	
PC2070-75	7⅝" *193.7*	117	
PC2070-76	7¾" *196.9*	119	
PC2070-77	7⅞" *200.0*	121	
PC2070-80	8" *203.2*	123	
PC2070-81	8⅛" *206.4*	125	
PC2070-82	8¼" *209.6*	126	
PC2070-83	8⅜" *212.7*	128	
PC2070-84	8½" *215.9*	129	
PC1126	8⅝" *219.1*	130	

Materials & Finishes: EG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

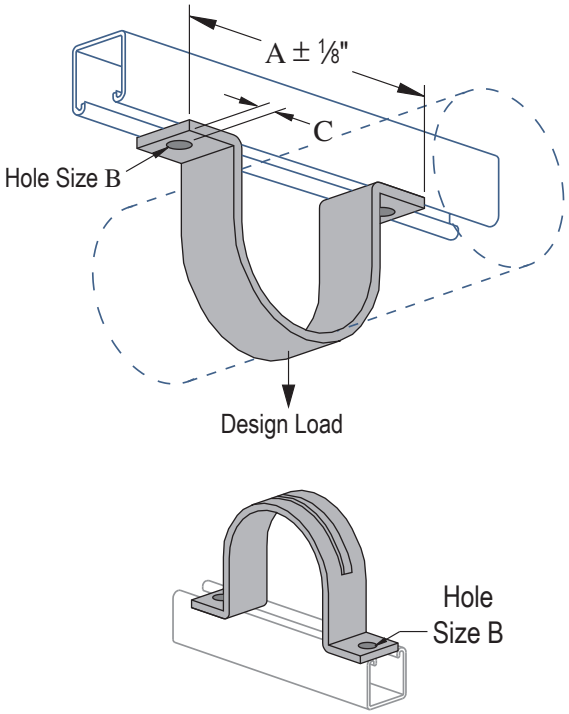
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:	**Approval Stamp:**
Project:	
Date: **Phone:**	
Architect / Engineer:	
Contractor:	
Address:	
Notes 1:	

PC2558-05 THRU PC2558-60

CLAMPS & PIPE SUPPORTS

SINGLE PIECE PIPE STRAP



Part Number	Nominal Pipe Size In	A In (mm)	"B" In (mm)	C In (mm)	Thick-ness In (mm)	Wt/100 pcs Lbs	Design Load Lbs
PC2558-05	½	2⅞ *73.0*	9/32 *7.1*	7/16 *11.1*	1/8 *3.2*	23	500
PC2558-07	¾	3⅛ *79.4*				26	
PC2558-10	1	3⅜ *85.7*				31	
PC2558-12	1¼	3¾ *95.3*				35	
PC2558-15	1½	3⅞ *98.4*				39	
PC2558-20	2	5¾ *146.1*	7/16 *11.1*	11/16 *17.5*	¼ *6.4*	94	1,000
PC2558-25	2½	6¼ *158.8*				114	
PC2558-30	3	6⅞ *174.6*				133	
PC2558-35	3½	7⅜ *187.3*				152	
PC2558-40	4	7⅞ *200.0*				176	
PC2558-50	5	9 *228.6*				198	
PC2558-60	6	10 *254.0*				225	

Hardware sold separately.

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

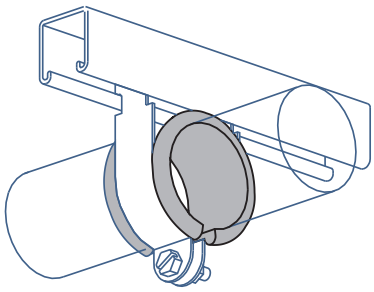
UBS INDUSTRIES

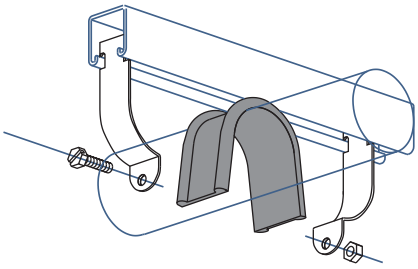
SUBMITTAL SHEETS

GF2600

CLAMPS & PIPE SUPPORTS

ISOLATION MATERIAL





FEATURES

- 25 feet per carton.
- Shock absorption
- Protection from corrosion and abrasion
- Allowance for expansion & contraction in pipe diameter
- Sound and vibration isolation
- Stability in use from - 50°F to 350°F (-47°C 177°C)
- Flexible elastomer material
- Will not support combustion

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

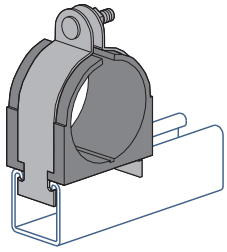
SUBMITTAL SHEETS

CCT025 - CCT412

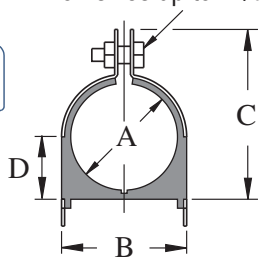
CLAMPS & PIPE SUPPORTS

TUBE CUSHIONED CLAMPS

Other sizes available by request



Controlled Squeeze Shoulder Bolt on sizes up to 1 ⅜" OD



- Cushion material is a thermoplastic elastomer rated from -65°F to 248°F (-53°C to 120°C).
- Resist most fuels, oils, gases, greases,solvents, mineral acids and other harsh materials.
- Allow fluid conductors to be added or removed from installations without disturbing adjacent lines.
- Permit various size lines to be mixed to suit installation.
- Available in 304 and 316 stainless steel. Aluminum offered for special orders.

Part Number	Copper & Steel Tube O. D. Size	Copper Water Pipe (Nominal)	Dimensions In*(mm)*				Wt/100 pcs Lbs
			"A"	"B"	"C"	"D"	
CCT025	¼"	–	0.25 *6.4*	0.62 *15.7*	0.98 *24.9*	0.27 *6.9*	10
CCT037	⅜"	¼	0.37 *9.4*	0.82 *20.8*	1.13 *28.7*	0.33 *8.4*	11
CCT050	½"	⅜"	0.5 *12.7*	0.94 *23.9*	1.34 *34.0*	0.4 *10.2*	13
CCT062	⅝"	½"	0.62 *15.7*	1.06 *26.9*	1.54 *39.1*	0.46 *11.7*	14
CCT075	¾"	⅝"	0.75 *19.1*	1.2 *30.5*	1.68 *42.7*	0.52 *13.2*	14
CCT087	⅞"	¾"	0.87 *22.1*	1.31 *33.3*	1.82 *46.2*	0.58 *14.7*	15
CCT100	1"	–	1.00 *25.4*	1.44 *36.6*	1.95 *49.6*	0.65 *16.6*	17
CCT112	1⅛"	1"	1.12 *28.4*	1.57 *39.9*	2.08 *52.8*	0.7 *17.8*	18
CCT125	1¼"	–	1.25 *31.8*	1.70 *43.2*	2.21 *56.1*	0.77 *19.6*	18
CCT137	1⅜"	1¼"	1.37 *34.8*	1.82 *46.2*	2.34 *59.4*	0.83 *21.1*	20
CCT150	1½"	–	1.50 *38.1*	1.95 *49.6*	2.47 *62.7*	0.90 *22.9*	33

Part Number	Copper & Steel Tube O. D. Size	Copper Water Pipe (Nominal)	Dimensions In*(mm)*				Wt/100 pcs Lbs
			"A"	"B"	"C"	"D"	
CCT162	1⅝"	1½"	1.62 *41.1*	2.07 *52.6*	2.6 *66.0*	0.96 *24.4*	35
CCT175	1¾"	–	1.75 *44.5*	2.2 *55.9*	2.73 *69.3*	1.02 *25.9*	37
CCT187	1⅞"	–	1.9 *48.3*	2.35 *59.7*	2.86 *72.6*	1.09 *27.7*	39
CCT200	2"	–	2.00 *50.8*	2.45 *62.2*	3.04 *77.2*	1.15 *29.2*	41
CCT212	2⅛"	2"	2.12 *53.8*	2.57 *65.3*	3.23 *82.0*	1.27 *32.3*	46
CCT237	2⅜"	–	2.37 *60.2*	2.82 *71.6*	3.67 *93.2*	1.41 *35.8*	47
CCT250	2½"	–	2.5 *63.5*	2.94 *74.7*	3.79 *96.3*	1.46 *37.1*	49
CCT262	2⅝"	2½"	2.62 *66.5*	3.1 *78.0*	3.92 *99.6*	1.53 *38.9*	51
CCT300	3"	–	3.00 *76.2*	3.57 *90.7*	4.42 *112.3*	1.78 *45.2*	57
CCT312	3⅛"	3"	3.12 *79.2*	3.6 *90.7*	4.42 *112.3*	1.78 *45.2*	60
CCT362	3⅝"	3½"	3.62 *91.9*	4.2 *106.7*	4.99 *126.7*	2.03 *51.6*	70
CCT412	4⅛"	4"	4.12 *104.6*	4.6 *116.1*	5.54 *140.7*	2.34 *59.4*	94

Materials & Finishes: EG, SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

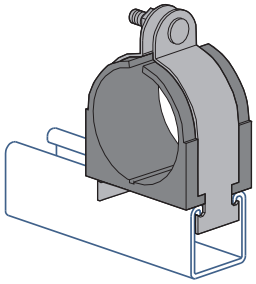
Finish Specifications		
Finish	**Finish Code**	**Description**
Zinc Electroplated	**EG**	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

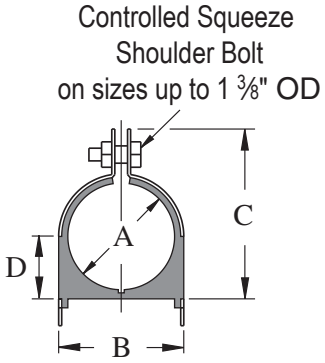
Project Information:	**Approval Stamp:**
Project:	
Date: **Phone:**	
Architect / Engineer:	
Contractor:	
Address:	
Notes 1:	

CCP025 - CCP600

CLAMPS & PIPE SUPPORTS

PIPE CUSHIONED CLAMPS





- Cushion material is a thermoplastic elastomer rated from -65°F to 248°F (-53°C to 120°C).
- Resist most fuels, oils, gases, greases, solvents, mineral acids and other harsh materials.
- Allow fluid conductors to be added or removed from installations without disturbing adjacent lines.
- Permit various size lines to be mixed to suit installation.
- Available in 304 and 316 stainless steel. Aluminum offered for special orders.

Part Number	Nominal Pipe Size In	Dimensions				Wt/100 pcs Lbs
		"A" In(mm)	"B" In(mm)	"C" In(mm)	"D" In(mm)	
CCP025	¼"	0.54 *13.7*	0.98 *24.9*	1.34 *34.0*	0.43 *10.9*	13
CCP037	⅜"	0.67 *17.0*	1.13 *28.7*	1.54 *39.1*	0.49 *12.4*	14
CCP050	½"	0.84 *21.3*	1.29 *32.8*	1.82 *46.2*	0.58 *14.7*	15
CCP075	¾"	1.05 *26.7*	1.50 *38.1*	1.95 *49.5*	0.70 *17.8*	17
CCP100	1"	1.31 *33.3*	1.76 *44.7*	2.34 *59.4*	0.81 *20.6*	19
CCP125	1¼"	1.66 *42.2*	2.17 *55.1*	2.73 *69.3*	0.99 *25.1*	35
CCP150	1½"	1.90 *48.3*	2.35 *59.7*	2.86 *72.6*	1.09 *27.7*	39
CCP200	2"	2.37 *60.2*	2.82 *71.6*	3.67 *93.2*	1.41 *35.8*	49
CCP250	2½"	2.87 *72.9*	3.32 *84.3*	4.17 *105.9*	1.66 *42.2*	57
CCP300	3"	3.50 *88.9*	3.95 *100.3*	4.79 *121.7*	1.97 *50.0*	55
CCP400	4"	4.50 *114.3*	4.95 *125.7*	5.92 *150.4*	2.53 *64.3*	110
CCP600	6"	6.62 *168.1*	7.07 *179.6*	8.23 *209.0*	3.59 *91.2*	140

Other sizes available by request

Materials & Finishes: EG, SS

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

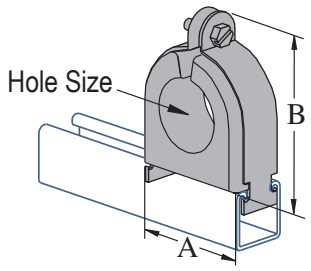
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

P1787A THRU P1795B

CLAMPS & PIPE SUPPORTS

HI-VOLTAGE CLAMP



Patents Pending

Strap Material: Electro-galvanized Steel (EG) or Stainless Steel (SS)

Use With: All 1⅝" channel

- Non-Breakable TPE Material.
- Includes Silicone Bolt and Nut.
- U.V. Resistant.
- U.L. Listed.
- Optional Stainless Steel Clamps.
- Tapered Flange to Protect Cable.
- Dielectric Strength 640 Volts Per Mil.
- One Piece Insulator.
- Replaces Porcelain & Maple Cable Clamp.
- For use in accordance with National Electrical Code ANSI/NFPA 70.
- Includes Pipe Strap.
- Temperature Rating -50°F to +275°F (-45°C to +135°C)

Part Number	Dimensions In *(mm)*				Wt/100 pcs Lbs
	Hole Size	"A"	"R"	"B"	
P1787A	3/8 *9.5*	1.12 *28.5*	0.56 *14.2*	1.82 *46.2*	25
P1787B	1/2 *12.7*				
P1787C	5/8 *15.9*				
P1788	3/4 *19.1*	1.62 *41.1*	0.81 *20.6*	2.34 *59.4*	37
P1788A	7/8 *22.2*				
P1788B	1 *25.4*				
P1788C	1-1/8 *28.6*				
P1789	1-1/4 *31.8*	2.12 *53.8*	1.06 *26.9*	2.86 *72.6*	58
P1789A	1-3/8 *34.9*				
P1789B	1-1/2 *38.1*				
P1789C	1-5/8 *41.3*				

Part Number	Dimensions In *(mm)*				Wt/100 pcs Lbs
	Hole Size	"A"	"R"	"B"	
P1790	1-3/4 *44.5*	2.62 *66.5*	1.31 *33.2*	3.50 *88.9*	76
P1790A	1-7/8 *47.6*				
P1790B	2 *50.8*				
P1790C	2-1/8 *54.0*				
P1791	2-1/4 *57.2*	3.12 *79.2*	1.56 *39.6*	4.05 *102.9*	90
P1791A	2-3/8 *60.3*				
P1791B	2-1/2 *63.5*				
P1791C	2-5/8 *66.7*				
P1792	2-3/4 *69.9*	3.62 *91.9*	1.81 *46.0*	4.75 *120.7*	109
P1792A	2-7/8 *73.0*				
P1792B	3 *76.2*				
P1792C	3-1/8 *79.4*				

Part Number	Dimensions In *(mm)*				Wt/100 pcs Lbs
	Hole Size	"A"	"R"	"B"	
P1793	3-1/4 *82.6*	4.12 *104.6*	2.06 *52.3*	5.125 *130.2*	130
P1793A	3-3/8 *85.7*				
P1793B	3-1/2 *88.9*				
P1793C	3-5/8 *92.1*				
P1794	3-3/4 *95.3*	4.62 *117.3*	2.31 *58.7*	5.54 *140.7*	160
P1794A	3-7/8 *98.4*				
P1794B	4 *101.6*				
P1794C	4-1/8 *104.8*				
P1795	4-1/4 *108.0*	5.00 *127.0*	2.50 *63.5*	5.92 *150.4*	160
P1795A	4-3/8 *111.1*				
P1795B	4-1/2 *114.3*				

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

ELLIS

CLAMPS & PIPE SUPPORTS

EMPEROR STAINLESS STEEL CABLE CLEATS

The Emperor range offers the ultimate protection against the harshest conditions, and its unique design means it can be quickly installed. Manufactured in Type 316L stainless steel, Emperor cleats are available in multiple sizes with range-taking capability, to suit trefoil or single cables.

Single Cable Application

Trefoil Cable Application

Materials & Finishes: SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
[Stainless Steel:	SS304	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

ELLIS

CLAMPS & PIPE SUPPORTS

VULCAN STAINLESS STEEL CABLE CLEATS

Our Vulcan+ cleats have a unique compact design so they can be easily installed, even when space is limited. Vulcan+ cleats are available in multiple sizes with range-taking capability, to suit trefoil, single, quad or bundled cables.

Trefoil & Single Cable Application

Quad Cable Application

Materials & Finishes: SS

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
[Stainless Steel:	**SS304**	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	SS316	A 240 TYPE 316	

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

ELLIS

CLAMPS & PIPE SUPPORTS

2 HOLE CABLE CLAMP

Manufactured as standard in Black Polypropylene (B) or Black Flame Retardant V0 Zero Halogen Phosphorus-Free UV Stabilised Nylon (LSF) or to special order in a London Underground Approved Material (LUL).

Used to fix power cables in indoor and outdoor applications.

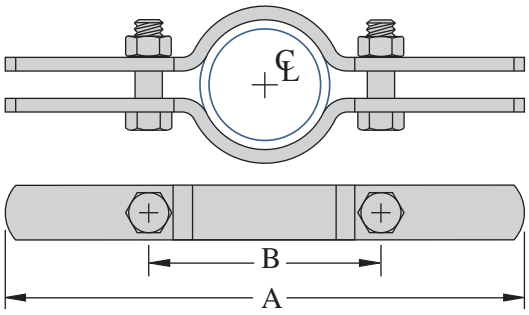
Material & Finish Specifications
Black Polypropylene (B) or Black Flame Retardant V0 Zero Halogen Phosphorus-Free UV Stabilised Nylon (LSF) or to special order in a London Underground Approved Material (LUL).

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

RC050 THRU RC1200

CLAMPS & PIPE SUPPORTS

RISER CLAMP



Part No.	Iron Pipe Size	Specification Data				Rec. Max. Load (lbs)	App'x Wt. Per 100 (lbs)
		A	B	Bolt Diameter	Material		
RC050	½	8⅝ *219.1*	2⅛ *54.0*	⅜ *9.5*	8 ga x 1	220	88
RC075	¾	8 13/16 *223.8*	2 5/16 *58.7*	⅜ *9.5*	8 ga x 1	220	92
RC100	1	9 1/16 *230.2*	2⅝ *66.7*	⅜ *9.5*	8 ga x 1	220	94
RC125	1¼	9 7/16 *239.7*	2 15/16 *74.6*	⅜ *9.5*	8 ga x 1	250	100
RC150	1½	10 *254.0*	3 7/16 *87.3*	⅜ *9.5*	8 ga x 1	250	104
RC200	2	10 9/16 *268.3*	4 *101.6*	⅜ *9.5*	8 ga x 1	300	114
RC250	2½	11⅛ *282.6*	4 9/16 *115.9*	⅜ *9.5*	3 ga x 1	400	160
RC300	3	11 13/16 *300.0*	5¼ *133.4*	⅜ *9.5*	3 ga x 1	500	170
RC350	3½	13 *330.2*	6 *152.4*	½ *12.7*	3 ga x 1	600	206
RC400	4	13⅝ *295.3*	6⅝ *168.3*	½ *12.7*	3 ga x 1	750	220
RC500	5	14⅛ *358.8*	7⅝ *163.7*	½ *12.7*	3 ga x 1 ½	1500	340
RC600	6	15⅜ *390.5*	8⅞ *225.4*	½ *12.7*	3 ga x 1 ½	1600	372
RC800	8	18⅝ *473.1*	12 *304.8*	⅝ *15.9*	⅜ x 1 ½	2500	722
RC1000	10	21 *533.4*	14½ *368.3*	⅝ *15.9*	⅜ x 2	2500	1094
RC1200	12	22¾ *577.8*	17 *431.8*	⅝ *15.9*	½ x 2	2700	1610

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

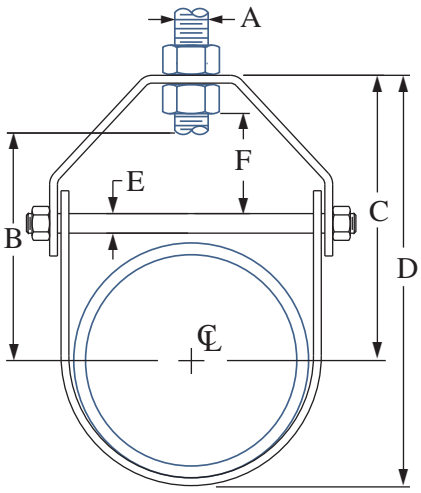
UBS INDUSTRIES

SUBMITTAL SHEETS

CL050 THRU CL1200

CLAMPS & PIPE SUPPORTS

CLEVIS HANGER



Part No.	Iron Pipe Size	Specification Data								Rec. Max. Load (lbs)	App'x Wt. Per 100 (lbs)
		A	B	C	D	E	F	Upper	Lower		
CL050	½	3/8 *9.5*	1 1/8 *28.6*	1 11/16 *42.9*	2 1/16 *52.4*	1/4 *6.4*	7/16 *11.1*	13 ga x 7/8	13 ga x 7/8	610	18
CL075	¾	3/8 *9.5*	1 1/8 *28.6*	1 11/16 *42.9*	2 9/16 *65.1*	1/4 *6.4*	7/16 *11.1*	13 ga x 7/8	13 ga x 7/8	610	18
CL100	1	3/8 *9.5*	1 5/16 *33.3*	2 1/16 *52.4*	2 11/16 *68.3*	1/4 *6.4*	5/8 *15.9*	13 ga x 7/8	13 ga x 7/8	610	22
CL125	1¼	3/8 *9.5*	1 5/8 *41.3*	2 1/2 *63.5*	3 3/16 *81.0*	1/4 *6.4*	7/8 *22.2*	13 ga x 7/8	13 ga x 7/8	610	26
CL150	1½	3/8 *9.5*	1 7/8 *47.6*	2 7/8 *73.0*	3 11/16 *93.7*	1/4 *6.4*	1 1/16 *27.0*	13 ga x 7/8	12 ga x 7/8	610	34
CL200	2	3/8 *9.5*	2 1/4 *57.2*	3 15/16 *100.0*	4 7/16 *112.7*	1/4 *6.4*	1 1/4 *31.8*	13 ga x 7/8	12 ga x 7/8	610	38
CL250	2½	1/2 *12.7*	2 7/8 *73.0*	4 1/2 *114.3*	5 7/8 *149.2*	5/16 *7.9*	1 5/16 *33.3*	9 ga x 1 3/16	10 ga x 1 3/16	1130	86
CL300	3	1/2 *12.7*	3 15/16 *100.0*	4 3/4 *120.7*	6 1/2 *165.1*	5/16 *7.9*	1 3/4 *44.5*	9 ga x 1 3/16	10 ga x 1 3/16	1130	96
CL350	3½	1/2 *12.7*	4 1/32 *102.4*	5 7/8 *149.2*	7 15/16 *201.6*	5/16 *7.9*	2 9/16 *65.1*	8 ga x 1 3/16	10 ga x 1 3/16	1130	114
CL400	4	5/8 *15.9*	4 1/8 *104.8*	5 15/16 *150.8*	8 3/16 *207.9*	3/8 *9.5*	2 1/8 *54.0*	8 ga x 1 3/16	10 ga x 1 3/16	1430	126
CL500	5	5/8 *15.9*	4 3/16 *106.4*	5 11/16 *144.5*	8 7/16 *214.3*	1/2 *12.7*	1 7/16 *36.5*	4 ga x 1 1/4	8 ga x 1 1/4	1430	204
CL600	6	3/4 *19.1*	5 1/16 *128.6*	6 13/16 *173.0*	10 1/8 *257.2*	1/2 *12.7*	1 3/4 *44.5*	3 ga x 1 1/2	8 ga x 1 1/2	1940	280
CL800	8	3/4 *19.1*	6 3/16 *157.2*	8 1/16 *204.8*	12 7/16 *315.9*	5/8 *15.9*	1 7/8 *47.6*	3 ga x 1 3/4	8 ga x 1 3/4	2000	446
CL1000	10	7/8 *22.2*	7 3/4 *196.9*	10 *254.0*	15 7/16 *392.1*	3/4 *19.1*	2 1/4 *57.2*	3/8 x 1 3/4	3 ga x 1 3/4	3600	806
CL1200	12	7/8 *22.2*	9 1/32 *229.6*	11 9/16 *293.7*	18 *457.2*	3/4 *19.1*	2 13/16 *71.4*	3/8 x 2	8 ga x 2	3800	1034

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

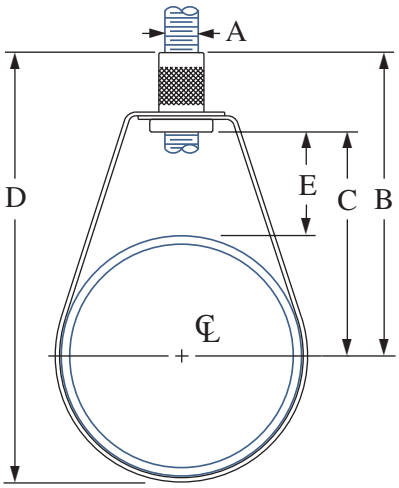
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

RH050 THRU RH800

CLAMPS & PIPE SUPPORTS

RING HANGER



Part No.	Iron Pipe Size	Specification Data					Rec. Max. Load (lbs)	UL - ULC Test Load	App'x Wt. Per 100 (lbs)
		A	B	C	D	E			
RH050	½	⅜ *9.5*	2 15/16 *74.6*	1⅞ *47.6*	3⅜ *85.7*	1 7/16 *36.5*	400	750	9
RH075	¾	⅜ *9.5*	2⅞ *73.0*	1⅞ *47.6*	3⅜ *85.7*	1 11/32 *42.9*	400	750	9
RH100	1	⅜ *9.5*	2⅞ *73.0*	1⅞ *47.6*	3½ *88.9*	1 7/32 *309.6*	400	750	9
RH125	1 ¼	⅜ *9.5*	3 1/16 *77.8*	1 15/16 *49.2*	3⅞ *98.4*	1⅛ *28.6*	400	750	10
RH150	1 ½	⅜ *9.5*	3 3/16 *81.0*	2⅛ *54.0*	4⅛ *104.8*	1 3/16 *30.2*	400	750	11
RH200	2	⅜ *9.5*	3 7/16 *87.3*	2 7/16 *61.9*	4⅝ *117.5*	1¼ *31.8*	400	750	12
RH250	2 ½	⅜ *9.5*	3 13/16 *96.8*	2¾ *69.9*	5¼ *133.4*	1⅜ *34.9*	600	850	28
RH300	3	⅜ *9.5*	4 *101.6*	3 *76.2*	5¾ *146.1*	1¼ *31.8*	600	1050	30
RH400	4	⅜ *9.5*	4¾ *120.7*	3¾ *95.3*	7 *177.8*	1½ *38.1*	1000	1500	37
RH500	5	½ *12.7*	6 *152.4*	4¾ *120.7*	8¾ *222.3*	1 15/16 *49.2*	1000	2000	83
RH600	6	½ *12.7*	6 9/16 *135.9*	5¼ *133.4*	9⅞ *250.8*	1 15/16 *49.2*	1250	2650	95
RH800	8	½ *12.7*	7 13/16 *198.4*	6⅝ *168.3*	12⅛ *307.9*	2 5/16 *58.7*	1250	4050	118

Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

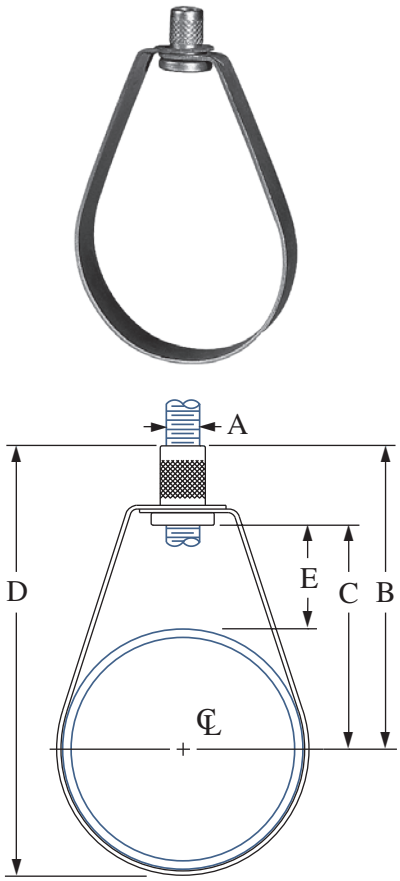
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

RH050CO THRU RH400CO

CLAMPS & PIPE SUPPORTS

RING HANGER, BLACK



Part No.	Copper Pipe Size	Also Acommodates IPS Size	Specification Data					Rec. Max. Load (lbs)	App'x Wt. Per 100 (lbs)
			A	B	C	D	E		
RH050CO	½-¾	½	⅜ *9.5*	2 13/16 *71.4*	1 15/16 *49.2*	3¼ *82.6*	1 5/16 *33.3*	400	9
RH100CO	1	¾	⅜ *9.5*	2 13/16 *71.4*	1 15/16 *49.2*	3¼ *82.6*	1⅜ *34.9*	400	9
RH125CO	1¼	1	⅜ *9.5*	2 13/16 *71.4*	1 15/16 *49.2*	3 7/16 *87.3*	1¼ *31.8*	400	9
RH150CO	1½	1¼	⅜ *9.5*	2 15/16 *74.6*	2 1/16 *52.4*	3¾ *95.3*	1 3/16 *30.2*	400	10
RH200CO	2	2	⅜ *9.5*	3 7/16 *87.3*	2 9/16 *65.1*	4 9/16 *115.9*	1⅜ *34.9*	400	12
RH250CO	2½	2½	⅜ *9.5*	3 11/16 *93.7*	2 13/16 *71.4*	5 1/16 *128.6*	1⅜ *34.9*	650	28
RH300CO	3	3	⅜ *9.5*	4 *101.6*	3⅛ *79.4*	3⅝ *92.1*	1⅜ *34.9*	650	30
RH400CO	4	4	⅜ *9.5*	4⅝ *117.5*	3¾ *95.3*	6⅞ *174.6*	1½ *38.1*	650	37

Materials & Finishes: Copper Colour Epoxy

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Material & Finish Specifications
Coper Colour Epoxy

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SSH15 THRU SSH1000

CLAMPS & PIPE SUPPORTS

SPRING HANGER

Part No.	Max. Load at 1" Deflection (lbs)	Solid		Dimensions			Max. Rod Diameter
		Load (lbs)	Deflection	L	W	H	
SSH15	15	28.7	1.9" *48.3*	2.62" *66.6*	2.25" *57.2*	4.75" *120.6*	½"
SSH30	30	48.7	1.6" *40.6*				
SSH60	60	90.0	1.5" *38.1*				
SSH100	100	157.2	1.6" *40.6*				
SSH150	150	240.5	1.6" *40.6*				
SSH200	200	269.5	1.4" *35.6*				
SSH300	300	420.0	1.4" *35.6*				
SSH318	318	477.0	1.5" *38.1*	3.5" *88.9*	2.5" *63.5*	6.5" *165.1*	¾"
SSH400	415	622.5	1.5" *38.1*				
SSH500	500	705.0	1.4" *35.6*				
SSH700	715	1,072.5	1.5" *38.1*				
SSH1000	1060	1,166.0	1.1" *27.9*				

- SSH15 - SSH300, Includes pre-galvanized standard duty housing
- SSH318 - SSH1000, Includes zinc plated heavy duty housing

Materials & Finishes: PG, Zinc Plated

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

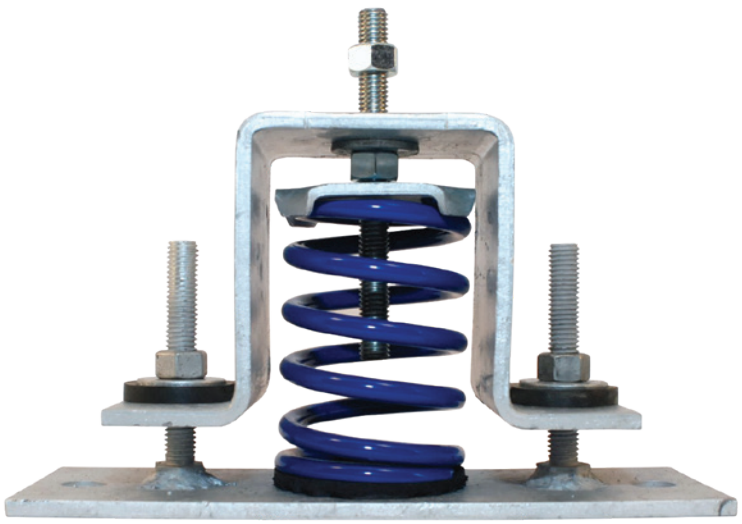
Finish Specifications		
Finish	Finish Code	Description
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification requirements of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.
Zinc Plated	-	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part. Electroplated zinc is shiny and smooth, and is suitable for indoor environments with low relative humidity

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

JQA E21 THRU JQE 6080

CLAMPS & PIPE SUPPORTS

SPRING MOUNTS



- Housings are hot dip galvanized
- Hardware is zinc plated
- Springs are powder coated
- 4 different housing types, JQA, JQB, JQBX and JQE for different loads
- Housings are available with different mounting options upon request

Rated Load E Springs 1" Deflection		
JQA	JQB/JQBX	JQE
E21	ET255	E976
E55	ET347	E1272
E79	ET473	E1660
E106	E630	E2000
E143	E806	E2532
E187	E1030	E3204
E244	E1230	E4128
E318	E1490	6080
E415	E1810	
E500	E2210	
E633		
E690		
E801		

OPA - 0070 Pre-Approved Maximum Allowable Loads (lbs)		
Size	Horiz.	Vert.
JQA	800	1,660
JQB	1,000	1,600
JQBX	1,500	2,000
JQE	3,200	4,300

Materials & Finishes: HG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SRK 1810

SEISMIC BRACING

SWAY BRACE KIT

Max. Safe Working Load (5:1 Safety Factor)
200 lbs

- 4 pcs: 1/8" - 10' cable with 45 degree 3/8" Eyelet
- 4 pcs: Gripple HangFast No. 3 Hangers
- 4 pcs: Gripple Retrofit Brackets
- 1 pc: Release Key
- 1 pc: Installation Instructions

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GRIPPLE

SEISMIC BRACING

LOOP HANGERS

High speed hanger solutions for Electrical, HVAC, and Mechanical industry. Gripple hangers come in varying weight and type. Complete with a length (5- 30 feet) of ready cut cable with a wide variety of pre-swaged end fixings. Please contact your UBS representative to find the right hanger for your job.

Loop Hangers		
Part No.	Size	Max. Safe Working Load
HF01-5FT	No. 1 x 5 ft.	25 lbs
HF01-10FT	No. 1 x 10 ft.	
HF01-15FT	No. 1 x 15 ft.	
HF01-30FT	No. 1 x 30 ft.	
HF02-5FT	No. 2 x 5 ft.	100 lbs
HF02-10FT	No. 2 x 10 ft.	
HF02-15FT	No. 2 x 15 ft.	
HF02-20FT	No. 2 x 20 ft.	
HF02-30FT	No. 2 x 30 ft.	
HF03-5FT	No. 3 x 5 ft.	200 lbs
HF03-10FT	No. 3 x 10 ft.	
HF03-15FT	No. 3 x 15 ft.	
HF03-20FT	No. 3 x 20 ft.	
HF03-30FT	No. 3 x 30 ft.	
HF04-5FT	No. 4 x 5 ft.	495 lbs
HF04-10FT	No. 4 x 10 ft.	
HF04-15FT	No. 4 x 15 ft.	
HF04-30FT	No. 4 x 30 ft.	
HF05-5FT	No. 5 x 5 ft.	715 lbs
HF05-10FT	No. 5 x 10 ft.	
HF05-15FT	No. 5 x 15 ft.	
HF05-30FT	No. 5 x 30 ft.	

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GRIPPLE

SEISMIC BRACING

EYELET HANGERS

High speed hanger solutions for Electrical, HVAC, and Mechanical industry. Gripple hangers come in varying weight and type. Complete with a length (5- 30 feet) of ready cut cable with a wide variety of pre-swaged end fixings. Please contact your UBS representative to find the right hanger for your job.

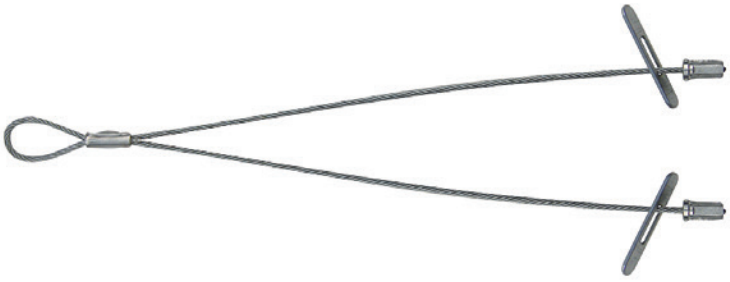
90° ¼" Eyelet Hangers		
Part No.	Size	Max. Safe Working Load
HF-SEYE90G-NO2-5FT	No. 2 x 5 ft.	100 lbs
HF-SEYE90G-NO2-10FT	No. 2 x 10 ft.	
HF-SEYE90G-NO2-15FT	No. 2 x 15 ft.	
HF-SEYE90G-NO2-20FT	No. 2 x 20 ft.	
HF-SEYE90G-NO2-30FT	No. 2 x 30 ft.	
HF-SEYE90G-NO3-5FT	No. 3 x 5 ft.	200 lbs
HF-SEYE90G-NO3-10FT	No. 3 x 10 ft.	
HF-SEYE90G-NO3-15FT	No. 3 x 15 ft.	
HF-SEYE90G-NO3-20FT	No. 3 x 20 ft.	
HF-SEYE90G-NO3-30FT	No. 3 x 30 ft.	

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GRIPPLE

SEISMIC BRACING

Y-FIT TOGGLE HANGERS



High speed hanger solutions for Electrical, HVAC, and Mechanical industry. Gripple hangers come in varying weight and type. Complete with a length (5- 30 feet) of ready cut cable with a wide variety of pre-swaged end fixings. Please contact your UBS representative to find the right hanger for your job.

Y-Fit Toggle Hangers - Locate through 5/16" holes		
Part No.	Size	Max. Safe Working Load
HF-YTG-NO2-5FT-150MM	No. 2 x 5 ft. x 6" legs	100 lbs
HF-YTG-NO2-5FT-300MM	No. 2 x 5 ft. x 12" legs	
HF-YTG-NO2-5FT-460MM	No. 2 x 5 ft. x 18" legs	
HF-YTG-NO2-10FT-150MM	No. 2 x 10 ft. x 6" legs	100 lbs
HF-YTG-NO2-10FT-300MM	No. 2 x 10 ft. x 12" legs	
HF-YTG-NO2-10FT-460MM	No. 2 x 10 ft. x 18" legs	
HF-YTG-NO2-15FT-150MM	No. 2 x 15 ft. x 6" legs	100 lbs
HF-YTG-NO2-15FT-300MM	No. 2 x 15 ft. x 12" legs	
HF-YTG-NO2-15FT-460MM	No. 2 x 15 ft. x 18" legs	
HF-YTG-NO2-20FT-150MM	No. 2 x 20 ft. x 6" legs	100 lbs
HF-YTG-NO2-20FT-300MM	No. 2 x 20 ft. x 12" legs	
HF-YTG-NO2-20FT-460MM	No. 2 x 20 ft. x 18" legs	
HF-YTG-NO2-30FT-460MM	No. 2 x 30 ft. x 18" legs	100 lbs

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SRC 1/8"

SEISMIC BRACING

SEISMIC CABLE

500' Rolls

Breaking Strength - minimum 2000 lbs.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

SRC 1/16"

SEISMIC BRACING

SEISMIC CABLE

1000' Rolls

Breaking Strength - minimum 480 lbs.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

SRT 1/8"

SEISMIC BRACING

SEISMIC RESTRAINT THIMBLE

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

SRU 1/8"

SEISMIC BRACING

SEISMIC RESTRAINT U-BOLT

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

SRS 1/8"

SEISMIC BRACING

SEISMIC RESTRAINT SLEEVE

*to be used with size appropriate crimping tools

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

SRS 1/16"

SEISMIC BRACING

SEISMIC RESTRAINT SLEEVE

*to be used with size appropriate crimping tools

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

ZRC GALVILITE®

GALVANIZING REPAIR COMPOUND

PACKAGING: AEROSOL CAN OR QUART, GALLON, AND 3.5 GALLON PAILS

ZRC's Galvilite provides all the corrosion protection you've come to expect from the world's most specified galvanizing repair compound—in a silvery finish that closely matches the color of galvanized metal.

- 95% zinc in the dry film using only Type III "ultra pure" ASTM-D-520 zinc (lead and cadmium free)
- Recognized under the Component Program of Underwriters Laboratories, Inc. as equivalent to hot dip galvanizing
- Meets and exceeds Fed. Spec. DOD-P-21035A (Galvanizing Repair Spec); MIL-P-26915A (USAF Zinc Dust Primer); ASTM Des. A-780 (Standard Practice for Repair of Damaged Hot-Dip Galvanized Coatings; SSPC-Paint 20 (Specification for Zinc-Rich Primer)
- Passes 3,000 hours salt spray testing without failure (ASTM Des. B117)
- Passes 9-year subtropical testing
- Low VOC approved in all 50 states
- ISO 9001 registration assures the highest quality consistently
- Apply by brush, roller or spray
- Available in clog-free aerosol form
- Single-component

APPLICATIONS:

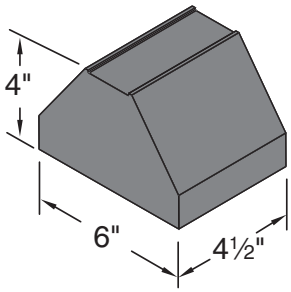
- Repairing hot-dip galvanizing
- Field applied galvanizing
- Rust proofing welds
- Repairing inorganic zinc
- Regalvanizing of worn hot-dip
- Metal fabrication
- Construction
- Manufacturing/OEM
- Antenna Towers
- Petrochemical Plants
- Roads & Bridges
- Tanks
- Industrial Maintenance
- Water Treatment
- Marine & Offshore
- Cooling Towers
- Hundreds more!

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

RTSM

ROOFTOP SUPPORTS

MINI ROOFTOP SUPPORT



RTSM Series is made from 100% recycled rubber, the Mini-Port Support Series provides solid support and dampens vibration. It is perfect for conduit and small piping.

The RTSM Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces. Can be used as a curb (sleeper) replacement. Material effectively accepts screw fasteners for securing one (1) or two (2) hole straps (not included).

Model No.	Height In *(mm)*	Width In *(mm)*	Base Length In *(mm)*	Wt/100 pcs Lbs
RTSM	4" *101mm*	6" *152mm*	4½" *113mm*	260

Specifications:

Rubber Support

Material - 100% Recycled Rubber, UV Resistant

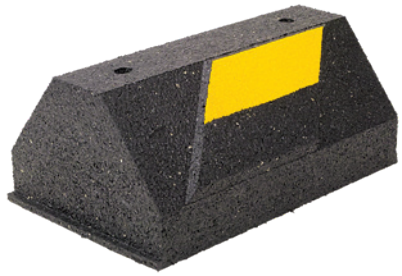
Maximum Load - 300 lbs./ft.

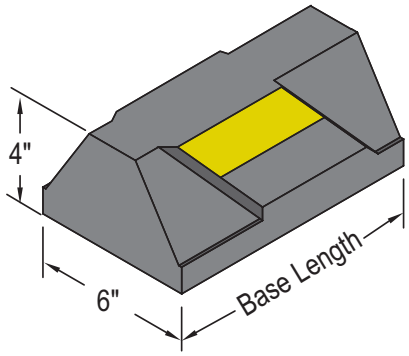
Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

RTS

ROOFTOP SUPPORTS

ROOFTOP SUPPORT





RTS Series channel support is designed for superior support of gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

The RTS Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces. Can be used as a curb (sleeper) replacement. Material effectively accepts screw fasteners for securing one (1) or two (2) hole straps (not included).

Model No.	Height In *(mm)*	Width In *(mm)*	Base Length In *(mm)*	Wt/100 pcs Lbs
RTS	4" *101mm*	6" *152mm*	9.6" *244mm*	456

Specifications:

Rubber Support

Material - 100% Recycled Rubber, UV Resistant

Maximum Load - 500 lbs./ft.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

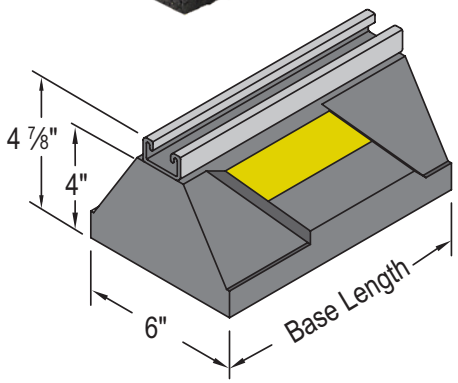
RTS SERIES

ROOFTOP SUPPORTS

ROOFTOP SUPPORT

RTS Series channel support is designed for superior support of gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

The RTS Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces.



Model No.	Height In *(mm)*	Width In *(mm)*	Base Length In *(mm)*	Wt/100 pcs Lbs
RTS5	4⅞" *124mm*	6" *152mm*	5" *127mm*	332
RTS10	4⅞" *124mm*	6" *152mm*	9.6" *244mm*	530
RTS20	4⅞" *124mm*	6" *152mm*	19.2" *448mm*	1,123

Specifications:

Rubber Support with $^{13}/_{16}$" Shallow Channel

Material - 100% Recycled Rubber, UV Resistant

Maximum Load - 750 lbs./ft.

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

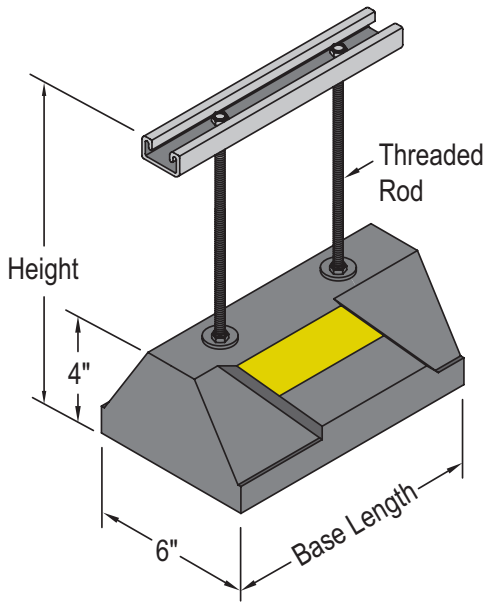
RTS 10-12

ROOFTOP SUPPORTS

ROOFTOP 12" EXTENDED SUPPORT W/10" STRUT

RTS–Extension Series channel support is designed for superior support of gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

The RTS–Extension Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces.



Specifications:

Rubber Support with Threaded Rod Risers & $^{13}/_{16}$" Galvanized Shallow Channel

Material - 100% recycled rubber, UV resistant

Maximum Load - 150 lbs./ft.

Model No.	Height In *(mm)*	Width In *(mm)*	Base Length In *(mm)*	Wt/100 pcs Lbs
RTS10-12	12" *305mm*	6" *152mm*	9.6" *244mm*	650

Channel Material & Finish Specifications			
Desc.	**Code**	**ASTM Designation**	**ASTM Description**
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

ERECTASTEP

ERECTASTEP

MODULAR PLATFORMS AND STAIRS

Unlimited Configurations:

- Crossovers
- Work Platforms
- "L" Shaped Crossovers
- Elevated Platforms
- Small Platforms
- Multi-Directional Crossover
- Maintenance Access Platforms
- Ladder Configurations
- Rolling Dolly Configurations
- Long Catwalk Platforms
- Berm Crossovers
- Rooftop Access
- Pipe Crossovers
- Re-Purpose Components As Plant Grows
- Pump Station Access
- Safely Spans 9'
- Cantilever Rolling Platforms
- Access To Top Of Tank Trucks
- Self-Leveling Stair & Work Platforms
- Adjustable Height Stairs
- Mobile Work Platforms
- Flatbed Fall Protection
- Mobile Process Work Stand
- Fall Protection

Modular Platform and Stairs: Saves Time, Eliminates Costly Engineering and Fabrication

- Bolts Together, No Fabrication Required
- Manufactured With Robotic Technology
- Unlimited, Expandable Configurations
- Re-Purpose With Ease
- Pre-Engineered Components
- Cost Less Than Custom Fabrication

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

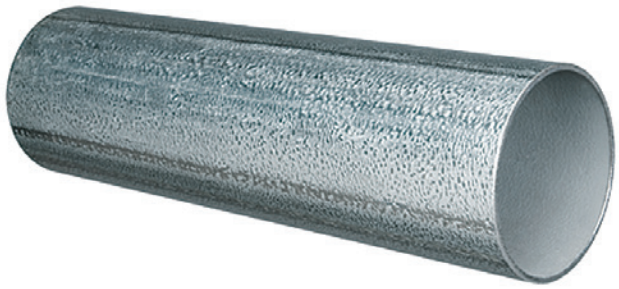
UBS INDUSTRIES

SUBMITTAL SHEETS

Round Sign Posts

SIGN POSTS

Length: 10',10-1/2', & 12'

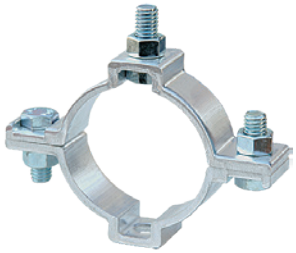


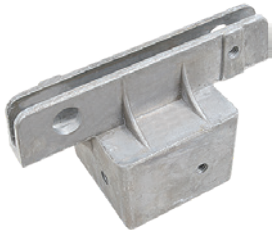
Product:	2.375" Round Sign Posts
Finish:	GATORSHIELD - a highly durable in-line galvanized product with a triple layer of rust and corrosion resistant protection with an anticorrosive interior zinc coating
Sizes:	2.375" Round O.D. (Outside Diameter)
Gauges:	12, 13 and 14 gauge (Wall Thickness)

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

Sign Bracket and Hardware

SIGN POSTS



Project Information:		Approval Stamp:
Project:		
Date:	Phone:	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

UBS INDUSTRIES

SUBMITTAL SHEETS

U-Channel Sign Posts

SIGN POSTS

Length: 6', 7', 8', 10', & 12'

Product:	Our flanged U-Channel posts are manufactured from high quality, high tensile rail steel
Sizes:	1.12 Lbs. per Ft. 2.00 Lbs. per Ft.

Materials & Finishes: HG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

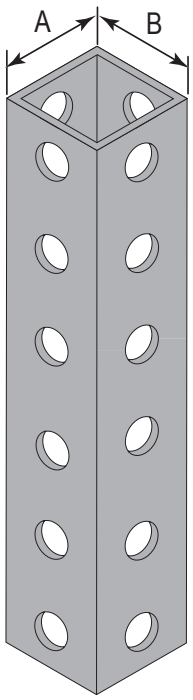
Finish Specifications		
Finish	**Finish Code**	**Description**
Hot Dip Galvanized After Fabrication	HG	Components are fabricated from plain steel meeting the specification requirements of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

Telespar Sign Support System

SIGN POSTS

Length: 10', 12', 20', & 24'



Part Number	Gauge	"A" In. (mm)	"B" In. (mm)
14F12	12	1½" *38.1*	1½" *38.1*
16F12		1¾" *44.5*	1¾" *44.5*
20F12		2" *50.8*	2" *50.8*
22F12		2¼" *57.2*	2¼" *57.2*
24F12		2½" *63.5*	2½" *63.5*
16D12	14	1¾" *44.5*	1¾" *44.5*

Materials & Finishes: PG

Material Specifications			
Material	**Material Code**	**ASTM Designation**	**ASTM Description**
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

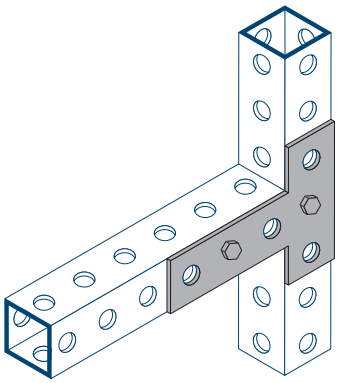
Channel Finish Specifications		
Finish	**Finish Code**	**Description**
Pre-Galvanized	**PG**	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification requirements of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF015

SIGN POSTS

Wt/100pcs. 50 Lbs



Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

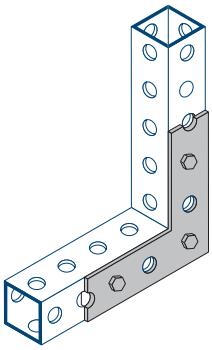
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF016

SIGN POSTS

Wt/100pcs. 63 Lbs



Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

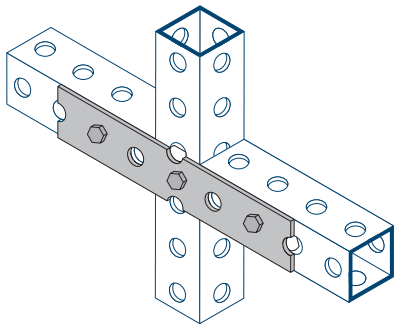
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF018

SIGN POSTS

Wt/100pcs. 84 Lbs



Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

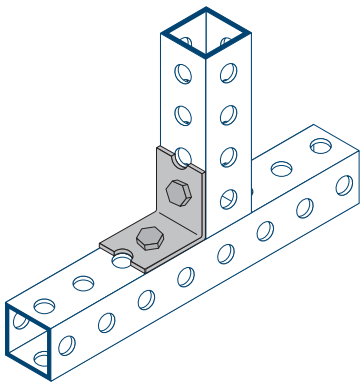
Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

GF020

SIGN POSTS

Wt/100pcs. 26 Lbs



Materials & Finishes: EG

Material Specifications			
Material	Material Code	ASTM Designation	ASTM Description
Steel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel. 12 Ga., 14 Ga. & 16 Ga.

Finish Specifications		
Finish	Finish Code	Description
Zinc Electroplated	EG	Zinc electroplating is used to coat plain steel. The electroplating process requires that the component be immersed in a solution containing zinc irons that are deposited on the surface of the part.

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

FIBERGLASS MARKER POSTS

SIGN POSTS

Our Fiberglass Reinforced Polymers (FRP) sign posts are manufactured by industry leaders. Our FRP signposts come in flat and round and are designed to recover after vehicle impact and are resistant to heat, cold and sunlight. Smooth surface on FRP sign posts makes them ideal for custom decals. Please contact your UBS representative to source the right post for your job.

Fiberglass Utility Marker

Round Marker Posts

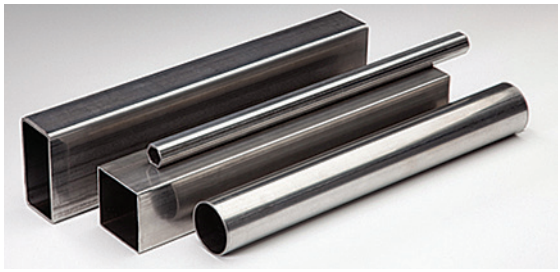
Fiberglass Test Stations

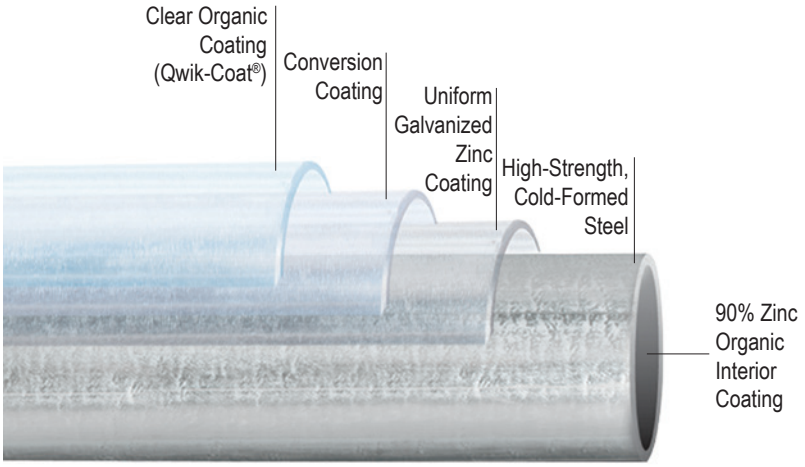
Product Applications Include:

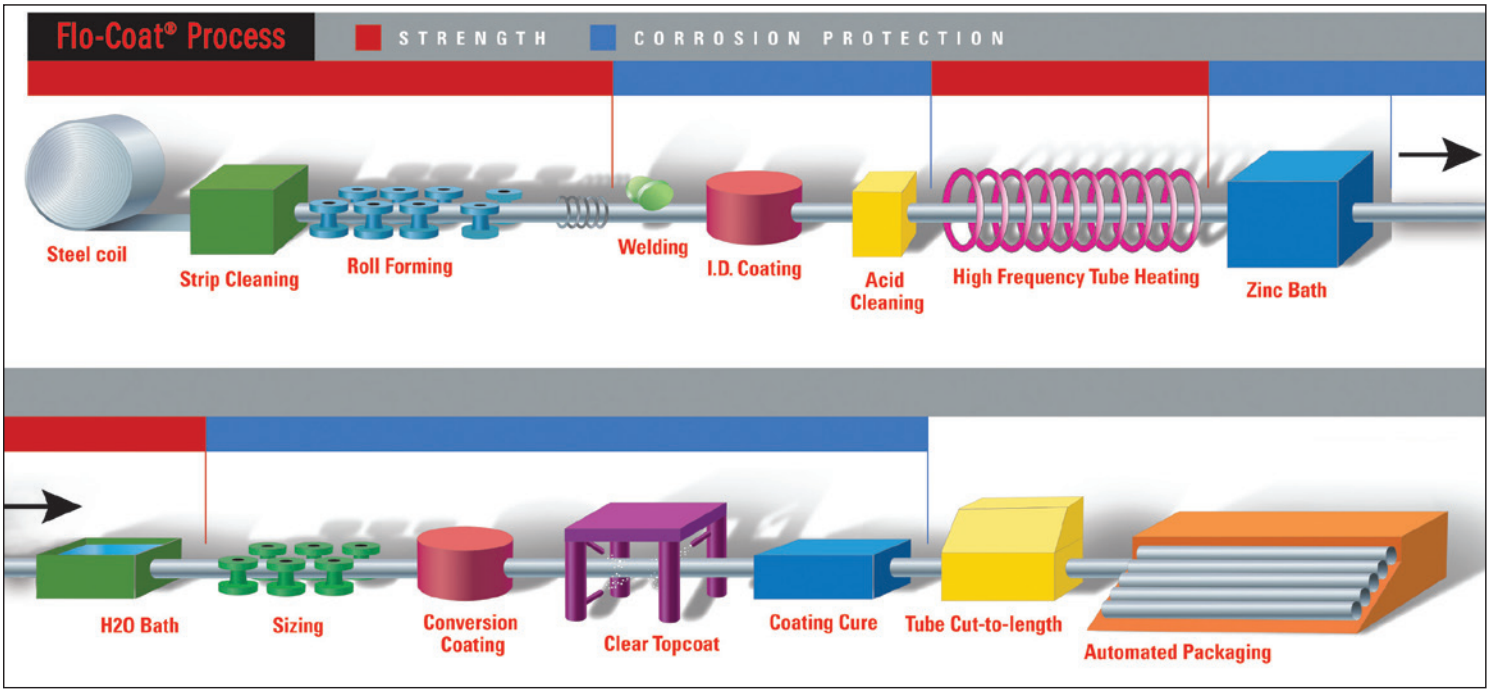
- Buried Utility
- Highway Delineators
- Trail Markers
- Pipeline Markers
- Telecommunications
- Transportation
- Medical

Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

MECHANICAL TUBE







Project Information:		Approval Stamp:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		

Flo-Coat® Galvanized Steel Tubing

- The ORIGINAL in-line galvanized tube
- High Strength
- Triple Coat Protection
- Fabrication Friendly
- Ideal for paint or powder coat

Gatorshield® Galvanized Steel Tubing

- High Strength
- Advanced Corrosion Protection
- Double zinc levels
- Fabrication Friendly-
  Ideal for highly corrosive outdoor conditions

The preferred choice for OEM applications, our tubing has literally been designed to meet customer needs. We offer the most complete range of standard sizes available and are ready to work with you to develop custom applications. We can create tubing solutions that offer better coatings, decreased weight, longer-term corrosion resistance on interiors, and various tube strength options.

We can provide you with the CUSTOMIZED tubing you require. Whether you need your tubing CUT to length, PUNCHED, or SWEDGED, we have the ability to deliver you a customized product.

Mechanical Tube Specifications

All steel tube products...

are manufactured per ASTM-A500 dimensions. Inquire as to compliance to specific grades. Please inquire about our ability to meet ASTM-A513 and other tube specifications.

Tolerances:

Round	Tolerance	Length	Tolerance
0.500 thru 1.510	±.005	Under 5'*	± 1/16"
1.625 thru 2.000	±.010	5' - 15'	± 1/8"
2.197 thru 4.500	±.015	16' - 19'	± 1/4"
5.000	±.020	20' - 40'**	± 1/2"
Square & Rectangle	±.010	*Must be cut off-line.	
Except:		Closer length tolerances available upon request	
1x1 & Smaller	±.005	**sizes 2.875 – 5.000 can be run up to 40' long	
1.500 x 3.000	±.020		
2.000 x 3.000	±.015		
2.000 x 4.000	±.015		
2.000 x 5.000	±.030		
2.360 x 4.720	±.030		
3.000 x 3.000	±.015		
3.000 x 4.000	±.030		
4.000 x 4.000	±.020		
Oval Sizes	±.015		

Carbon Steel Typical Chemistry:

	1008 Steel (16 gauge and lighter)	1010 Steel (15 gauge and heavier)	1015 Steel (15 gauge and heavier)	"1022 Steel (15 gauge and heavier)"
Carbon max. %	0.10	0.13	0.18	0.23
Manganese max. %	0.50	0.60	0.60	1.00
Phosphorus max. %	0.030	0.030	0.030	0.030
Sulphur max. %	0.035	0.035	0.035	0.035

5/20 - 239 *www.ubsindustries.com • info@ubsindustries.com* *(tf) 1.800.665.5622 • (t) 604.540.4440* *1300 Ketch Court • Coquitlam, B.C. •V3K 6W1*

Mechanical Tube Specifications (cont.)

ROUND (in inches) Nominal decimal for ordering gauge																
Outside Diameter	Equiv. Sizes	22	20	19	18	17	16	15	14	13	12	11	10	9	8	7
		0.028	0.035	0.042	0.049	0.058	0.065	0.072	0.083	0.095	0.109	0.120	0.134	0.148	0.165	0.180
0.500		0.1413	0.1740	0.2056	0.2362	0.2740	0.3023									
0.625		0.1787	0.2207	0.2618	0.3017	0.3516	0.3891									
0.706	½" EMT	0.2029	0.2511	0.2981	0.3441	0.4018	0.4454									
0.750		0.2161	0.2675	0.3179	0.3672	0.4291	0.4760	0.5218								
0.815	½" IMC	0.2356	0.2918	0.3471	0.4012	0.4694	0.5211	0.5719	0.6495							
0.870		0.2520	0.3124	0.3718	0.4300	0.5035	0.5594	0.6142								
0.875		0.2535	0.3143	0.3740	0.4327	0.5066	0.5628	0.6181								
0.922	¾" EMT	0.2676	0.3319	0.3951	0.4573	0.5357	0.5955	0.6542	0.7444							
0.980		0.2850	0.3535	0.4211	0.4877	0.5717	0.6358	0.6989	0.7959							
0.995		0.2894	0.3592	0.4279	0.4955	0.5810	0.6462	0.7104	0.8092							
1.000		0.2909	0.3611	0.4301	0.4981	0.5841	0.6497	0.7143	0.8136							
1.029		0.2996	0.3719	0.4431	0.5133	0.6020	0.6698	0.7366	0.8394							
1.125		0.3284	0.4078	0.4862	0.5636	0.6616	0.7365	0.8105	0.9245							
1.163	1" EMT		0.4220	0.5033	0.5835	0.6851	0.7629	0.8397	0.9583							
1.187				0.5141	0.5961	0.7000	0.7796									
1.250			0.4546	0.5424	0.6291	0.7391	0.8234	0.9067	1.0354	1.1730	1.3295	1.4496	1.5986			
1.290	1" IMC			0.5603	0.6500	0.7639	0.8512	0.9375	1.0709	1.2136	1.3761	1.5009	1.6559			
1.315	1" NPS		0.4789	0.5716	0.6631	0.7794	0.8686	0.9567	1.0931	1.2390	1.4052	1.5329	1.6917			
1.375			0.5014	0.5985	0.6946	0.8166	0.9103	1.0029	1.1464							
1.500			0.5481	0.6546	0.7600	0.8941	0.9971	1.0991	1.2573	1.4268	1.6208	1.7703	1.9567			
1.510	1¼" EMT		0.5519	0.6591	0.7653	0.9003	1.0041	1.1068	1.2661	1.4370	1.6325	1.7831	1.9711			
1.625					0.8255	0.9716	1.0840	1.1953	1.3682	1.5538	1.7665	1.9306	2.1358			
1.638	1¼" IMC			0.7166	0.8323	0.9796	1.0930	1.2053	1.3797	1.5670	1.7816	1.9473	2.1544			
1.660	1¼" NPS	0.4885	0.6080	0.7264	0.8439	0.9933	1.1083	1.2223	1.3992	1.5893	1.8072	1.9755	2.1859			
1.690							1.1291	1.2453	1.4258	1.6198	1.8422	2.0140	2.2289			
1.740	1½" EMT		0.6379	0.7624	0.8858	1.0429	1.1639	1.2838	1.4702							
1.750			0.6417	0.7669	0.8910	1.0491	1.1708	1.2915	1.4791							
1.764			0.6469	0.7731	0.8983	1.0578	1.1806	1.3023	1.4915							
1.875				0.8230	0.9565	1.1266	1.2577	1.3877	1.5900							
1.883	1½" IMC			0.8266	0.9607	1.1315	1.2632	1.3939	1.5971	1.8158	2.0671	2.2616	2.5054			
1.900	1½" NPS		0.6978	0.8342	0.9696	1.1421	1.2750	1.4070	1.6122	1.8331	2.0869	2.2834	2.5297	2.7719		
1.948			0.7157	0.8558	0.9947	1.1718	1.3084	1.4439	1.6548							
1.968	50 MM		0.7232	0.8647	1.0052	1.1842	1.3223	1.4593	1.6725							
2.000			0.7352	0.8791	1.0220	1.2041	1.3445	1.4839	1.7009	1.9346	2.2034	2.4117	2.6730	2.9301		
2.197	2" EMT						1.4814	1.6356	1.8757	2.1347	2.4330	2.6644	2.9552	3.2418		
2.360	2" IMC				1.2105	1.4273	1.5947	1.7610	2.0203	2.3002	2.6229	2.8735	3.1887	3.4996		
2.375	2" NPS			1.0475	1.2184	1.4366	1.6051	1.7726	2.0336	2.3155	2.6404	2.8927	3.2101	3.5234	3.8981	4.2236
2.500							1.6920	1.8688	2.1445	2.4424	2.7860	3.0531	3.3892	3.7211	4.1186	4.4610
2.857	2½" IMC							2.1436	2.4613	2.8049	3.2020	3.5110	3.9006	4.2860	4.7483	5.1511
2.875	2½" NPS							2.1574	2.4773	2.8232	3.2230	3.5341	3.9264	4.3144	4.7800	5.1857
3.000								2.2536	2.5882	2.9502	3.3686	3.6945	4.1054	4.5122	5.0005	5.4262
3.476	3" IMC							2.6200	3.0105	3.4336	3.9233	4.3051	4.7873	5.2653	5.8401	6.3422
3.500	3" NPS							2.6385	3.0318	3.4579	3.9512	4.3359	4.8217	5.3033	5.8824	6.3883
3.971	3½" IMC								3.4497	3.9363	4.5000	4.9401	5.4963	6.0484	6.7132	7.2946
4.000	3½" NPS								3.4754	3.9657	4.5338	4.9773	5.5379	6.0943	6.7644	7.3504
4.466	4" IMC							3.3820	3.8889	4.4390	5.0768	5.5750	6.2054	6.8316	7.5863	8.2471
4.500	4" NPS							3.4081	3.9191	4.4735	5.1164	5.6187	6.2541	6.8854	7.6463	8.3125
5.000	4½" NPS									4.9813	5.6990	6.2601	6.9704	7.6764	8.5282	9.2746

Typical Mechanical Properties Achieved For Galvanized Tube Products:

= 40,000 psi yield/45,000 psi tensile

= 45,000 psi yield/48,000 psi tensile

= 50,000 psi yield/55,000 psi tensile

Higher mechanical properties available on request

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Mechanical Tube Specifications (cont.)

SHAPES Square tubing is available as round-to-square (RTS), weld-in-corner (WIC) or both. Please inquire for details.

	Size	RTS	WIC	20	19	18	17	16	15	14	13	12	11	10	9	8	7
				0.035	0.042	0.049	0.058	0.065	0.072	0.083	0.095	0.109	0.120	0.134	0.148	0.165	0.180
Square	0.625	X		0.2810	0.3333	0.3841	0.4476	0.4954									
	0.709	X		0.3211	0.3813	0.4401											
	0.750	X		0.3406	0.4047	0.4675	0.5463	0.6060	0.6644	0.7535							
	0.813	X		0.3706	0.4407	0.5095	0.5960	0.6617	0.7261	0.8246							
	0.875	X		0.4001	0.4762	0.5509	0.6449	0.7166	0.7869	0.8947							
	0.975	X				0.6175	0.7239	0.8050	0.8849	1.0076							
	1.000	X		0.4597	0.5476	0.6342	0.7436	0.8271	0.9094	1.0359	1.1701	1.3218					
	1.250*	2	X	0.5788	0.6905	0.8009	0.9409	1.0483	1.1543	1.3183	1.4934	1.6927	1.8455				
	1.500*	X	X	0.6979	0.8334	0.9677	1.1383	1.2695	1.3993	1.6007	1.8166	2.0635	2.2538				
	1.625		X					1.3801	1.5218	1.7419	1.9782	2.2490	2.4580				
	1.750*		X					1.4906	1.6443	1.8831	2.1398	2.4344	2.6621				
	1.875		X									2.6198					
	2.000*	X	X					1.7118	1.8893	2.1655	2.4631	2.8053	3.0704	3.4031	3.7304	4.1208	4.4586
	2.188		X											3.7460			
	2.250*	X	X						2.1343	2.4479	2.7863	3.1762	3.4787	3.8590			
	2.500*	X	X						2.3792	2.7303	3.1095	3.5470	3.8870	4.3150	4.7376	5.2436	
	3.000	X						2.5964	2.8692	3.2951	3.7560	4.2888	4.7036	5.2268	5.7447	6.3664	6.9084
	4.000	X								4.4248	5.0490	5.7723	6.3368	7.0506	7.7590	8.6121	9.3582
Flat Sided Oval	0.750 x 1.000			0.3319	0.3951	0.4573	0.5357	0.5955									
	1.500 x 1.000			0.4789	0.5716	0.6631	0.7794	0.8686									
	1.75 x 1.125			0.5519	0.6591	0.7653	0.9003	1.0041	1.1068	1.2661							
	2.000 x 1.094			0.6080	0.7264	0.8439	0.9933	1.1083									
	2.250 x 1.313			0.6978	0.8342	0.9696	1.1421	1.2750									
	2.375 x 1.625					1.1251	1.3262	1.4814									
Rectangle	0.625 x 1.125			0.4001	0.4762	0.5509	0.6449	0.7166									
	0.750 x 1.500			0.5192	0.6191	0.7176	0.8423	0.9377	1.0319	1.1771							
	0.750 x 2.250			0.6979													
	0.875 x 1.917			0.6483	0.7740	0.8983	1.0562	1.1775									
	1.000 x 1.750			0.6383	0.7620	0.8843	1.0396	1.1589									
	1.000 x 2.000			0.6979	0.8334	0.9677	1.1383	1.2695	1.3993	1.6007							
	1.500 x 2.000			0.8169	0.9763	1.1344	1.3356	1.4906	1.6443	1.8831	2.1398	2.4344	2.6621				
	1.500 x 2.500				1.1192	1.3011	1.5330	1.7118	1.8893	2.1655	2.4631	2.8053	3.0704	3.4031			
	1.500 x 3.000										2.7863	3.1762	3.4787				
	1.500 x 3.500					1.6345	1.9277	2.1541	2.3792	2.7303	3.1095	3.5470	3.8870	4.3150			
	1.540 x 3.110											3.2874					
	1.625 x 3.000									2.5185	2.8671	3.2689	3.5808				
	2.000 x 3.000							2.1541	2.3792	2.7303	3.1095	3.5470	3.8870	4.3150	4.7376	5.2436	5.6835
	2.000 x 4.000									3.2951	3.7560	4.2888	4.7036	5.2268	5.7447	6.3664	
	2.000 x 5.000									3.8599	4.4025	5.0305	5.5202	6.1387	6.7519	7.4892	
	2.360 x 4.720										4.4542	5.0899	5.5855	6.2117	6.8324		
	3.000 x 4.000										4.4025	5.0305	5.5202	6.1387	6.7519	7.4892	8.1333
Octagon	4.783											5.7505	6.3159	7.0316	7.7429	8.6006	

* Also available as Square-Fi®

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