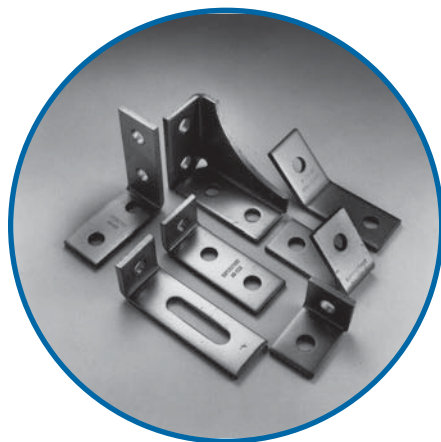


Fittings and Brackets



Material

Superstrut® fittings and brackets are manufactured from hot rolled carbon steel.

Dimensions

The following standard dimensions apply to all fittings except as indicated on the individual drawings.

Hole spacing 13/16 in. from end of fittings

Hole spacing 1-7/8 in. centers

Hole size 9/16 in. diameter

Material 1-5/8 in. wide

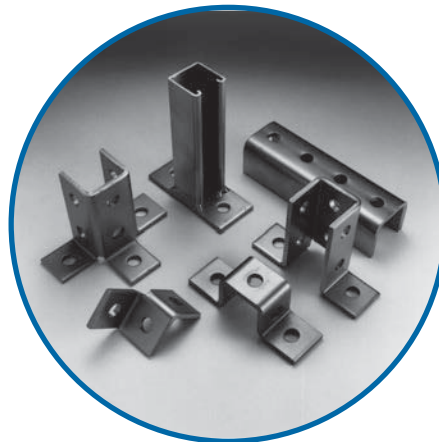
Material 1/4 in. thick

Application Instructions

Parts drawings illustrate a typical use for the fitting, and in many cases other uses for the part are appropriate.

Design Data

Load ratings vary depending fittings and brackets are used with 12, *14 or 16 gauge channel. Ratings are shown for each channel material. (See page A57 for Engineering Data and Specifications).



Nuts and Bolts Required

Unless otherwise noted, nuts and bolts for use with fittings and brackets should be ordered separately.

The standard bolt for the 9/16 in. hole is a 1/2 in. hex head cap screw 1 in. long. The 1 in. length may be used with all Series channel.

Design Load

For more information on design load, see page A57 Engineering Data and Specifications.

Finishes and Special Materials

Standard finishes are Hot Dipped Galvanized (HDGC) and GoldGalv® (no suffix). Fittings are also available in Electrogalvanized (EG) and Stainless Steel 316 (SS6C). Contact your Regional Sales Office for availability and minimum quantities.

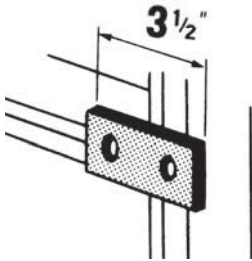
Aluminum channel

For Aluminum channel, we suggest fittings in HDG (C) or SS6 (C).

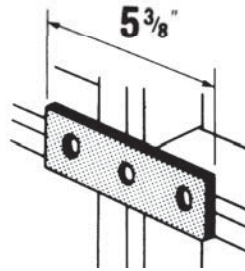
Fittings and Brackets

Flat Fittings

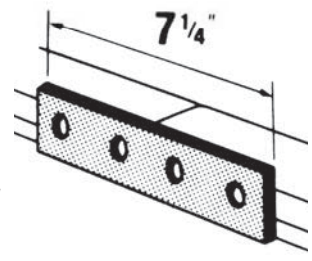
AB206
AB206HDGC
AB206EG
AB206
AB206SS6C
Wt./C 35 lb.



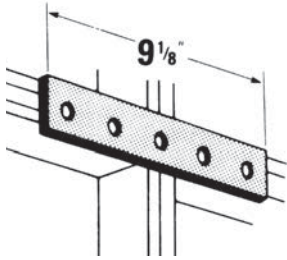
AB207
AB207HDGC
AB207EG
AB207
AB207SS6C
Wt./C 52 lb.



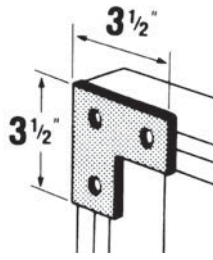
X207
X207HDG
X207EG
X207
X207SS6
Wt./C 78 lb.



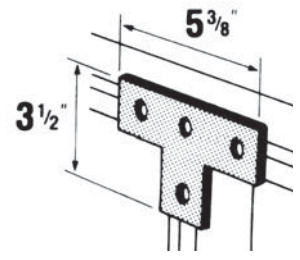
X208
X208HDG
X208EG
X208
X208SS6C
Wt./C 88 lb.



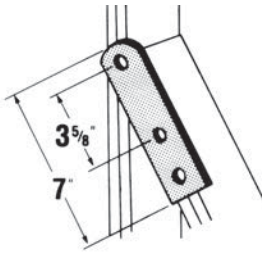
AB219
AB219HDGC
AB219EG
AB219
AB219SS6C
Wt./C 53 lb.



AB220
AB220HDGC
AB220EG
AB220
AB220SS6C
Wt./C 78 lb.

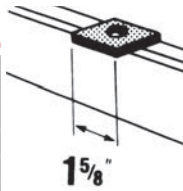


AB240
AB240HDG
AB240EG
AB240
Wt./C 69 lb.



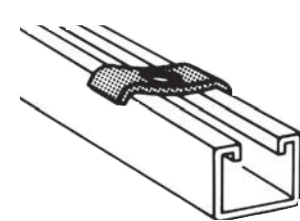
AB241

Cat. No.	Bolt Size (in.)	Wt./C lb.
AB241-1/4*	1/4	18
AB241-5/16*	5/16	18
AB241-3/8*	3/8	18
AB241-1/2*	1/2	17
AB241-5/8*	5/8	15
AB241-3/4*	3/4	14



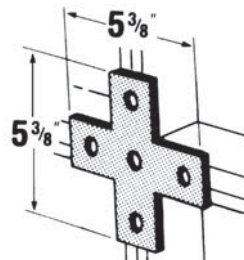
*Finishes
• HDGC • GoldGalv®
• EG • SS6C

AB242
AB242HDGC
AB242EG
AB242
Wt./C 9 lb.

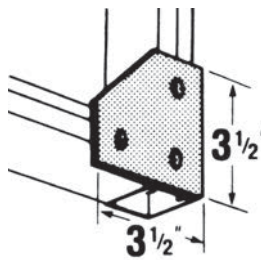


For use with either
3/8 in. or 1/2 in. hanger rod.

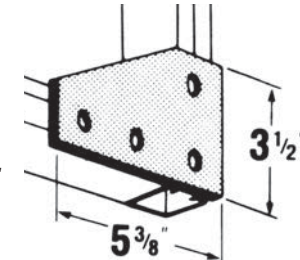
AB253
AB253HDGC
AB253EG
AB253
AB253SS6C
Wt./C 97 lb.



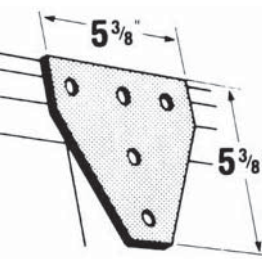
AB255
AB255HDGC
AB255EG
AB255
Wt./C 70 lb.



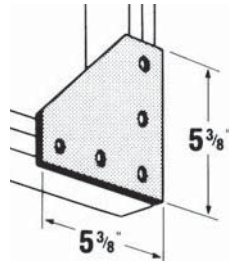
AB257
AB257HDGC
AB257EG
AB257
Wt./C 105 lb.



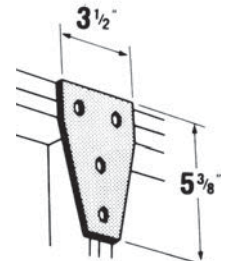
AB261
AB261HDGC
AB261EG
AB261
Wt./C 148 lb.



AB263
AB263HDGC
AB263EG
AB263
AB263SS6
Wt./C 150 lb.



AB265
AB265HDGC
AB265EG
AB265
Wt./C 105 lb.



Standard Dimensions	Hole Spacing →	13/16 in. From End
	Hole Spacing →	1-7/8 in. Centers
	Hole Size →	9/16 in. Diam.
	Material →	1-5/8 in. Width
	Material →	1/4 in. Thick

Materials	HDG(C) →	Hot-Dipped Galvanized
	EG(C) →	Electrogalvanized
	(No suffix) →	GoldGalv®
	SS6(C) →	Stainless Steel 316

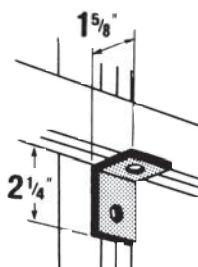
Fittings and Brackets

90° Fittings

AB201

AB201HDGC
AB201EG
AB201
AB201SS6C

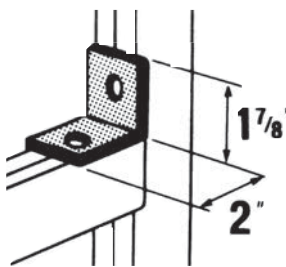
Wt./C 35 lb.



AB202

AB202HDGC
AB202EG
AB202
AB202SS6C

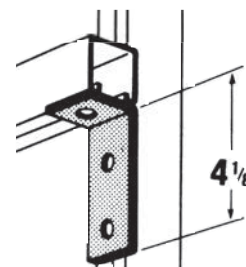
Wt./C 35 lb.



AB203

AB203HDGC
AB203EG
AB203
AB203SS6C

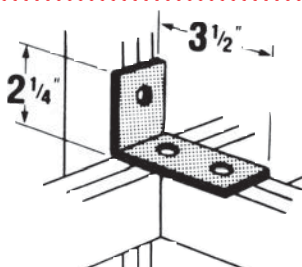
Wt./C 58 lb.



AB204

AB204HDGC
AB204EG
AB204
AB204SS6C

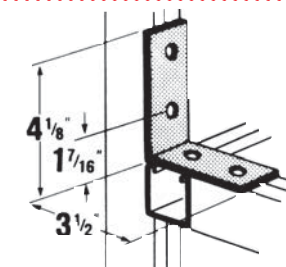
Wt./C 58 lb.



AB205

AB205HDGC
AB205EG
AB205
AB205SS6C

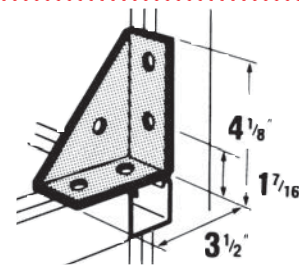
Wt./C 78 lb.



AB213

AB213HDGC
AB213EG
AB213

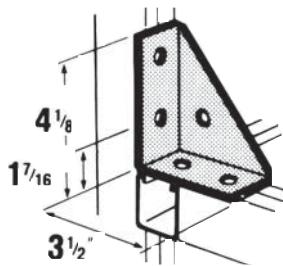
Wt./C 125 lb.



AB214

AB214HDGC
AB214EG
AB214
AB214SS6C

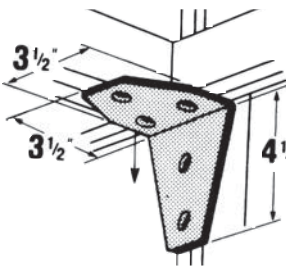
Wt./C 125 lb.



AB216

AB216HDGC
AB216EG
AB216SS6C

Wt./C 135 lb.



AB252

Cat. No.	A (in.)	Wt./C lb.
AB252-1*	3-7/8	61
AB252-2*	5-7/8	84
AB252-3*	7-7/8	107
AB252-4*	9-7/8	130

*Finishes

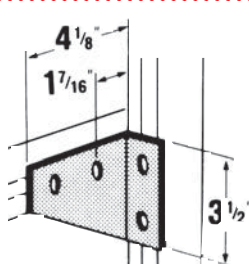
• HDGC • EG • GoldGalv®



AB254R

AB254RHDGC
AB254REG
AB254R

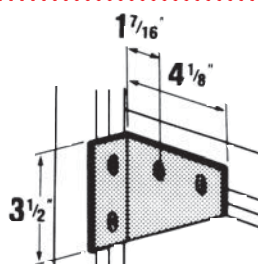
Wt./C 105 lb.



AB254L

AB254LHDGC
AB254LEG
AB254L

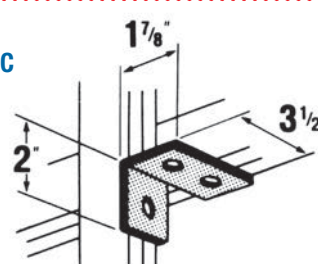
Wt./C 105 lb.



AB260R

AB260RHDGC
AB260REG
AB260R

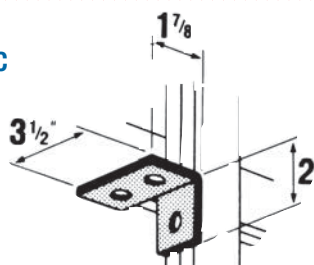
Wt./C 58 lb.



AB260L

AB260LHDGC
AB260LEG
AB260L

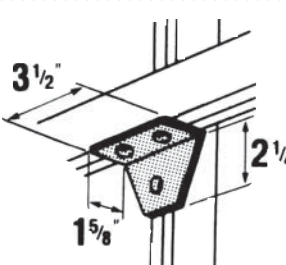
Wt./C 58 lb.



AB274

AB274HDG
AB274EG
AB274

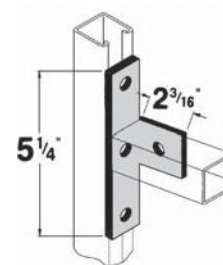
Wt./C 70 lb.



AB275

AB275HDGC
AB275EG
AB275SS6C

Wt./C 77 lb.



Standard Dimensions	Hole Spacing	→ 13/16 in. From End
	Hole Spacing	→ 1-7/8 in. Centers
	Hole Size	→ 9/16 in. Diam.
	Material	→ 1-5/8 in. Width
	Material	→ 1/4 in. Thick

Materials	HDG(C)	→ Hot-Dipped Galvanized
	EG(C)	→ ElectroGalvanized
	(No suffix)	→ GoldGalv®
	SS6(C)	→ Stainless Steel 316

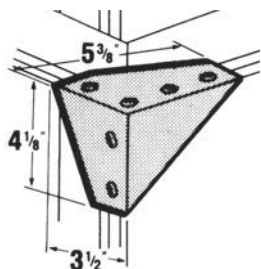
Fittings and Brackets

90° Fittings

AB284R

AB284RHDG
AB284REG
AB284R

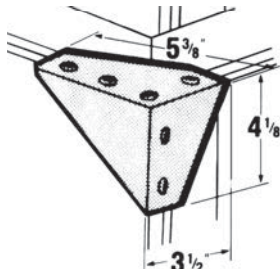
Wt./C 230 lb.



AB284L

AB284LHDG
AB284LEG
AB284L

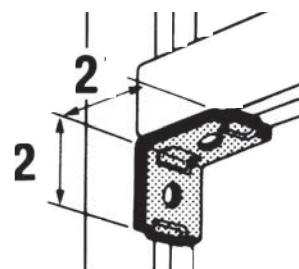
Wt./C 230 lb.



AB299

AB299HDG
AB299EG
AB299

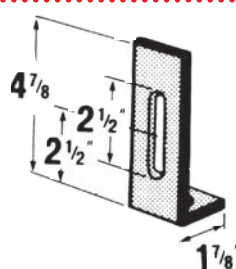
Wt./C 40 lb.



X201

X201HDG
X201EG
X201

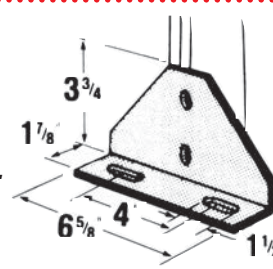
Wt./C 65 lb.



X204

X204HDG
X204EG
X204

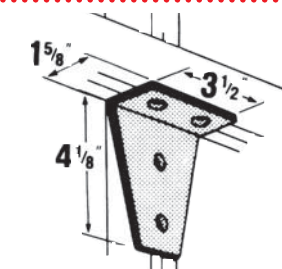
Wt./C 1-90 lb.



X289

X289HDG
X289EG
X289

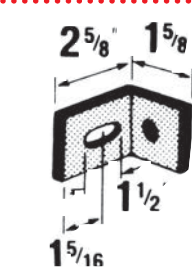
Wt./C 105 lb.



X299

X299HDG
X299EG
X299

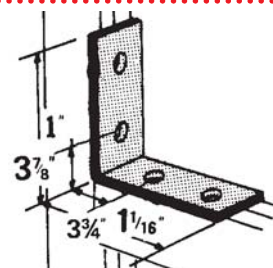
Wt./C 38 lb.



N205

N205HDG
N205EG
N205
N205SS6C

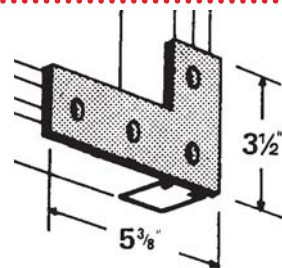
Wt./C 74 lb.



N219

N219HDG
N219EG
N219
N219SS6

Wt./C 71 lb.



Standard Dimensions

Hole Spacing	→ 13/16 in. From End
Hole Spacing	→ 1-7/8 in. Centers
Hole Size	→ 9/16 in. Diam.
Material	→ 1-5/8 in. Width
Material	→ 1/4 in. Thick

Materials

HDG(C)	→ Hot-Dipped Galvanized
EG(C)	→ Electrogalvanized
(No suffix)	→ GoldGalv®
SS6(C)	→ Stainless Steel 316

Fittings and Brackets

Angular Fittings

AB225

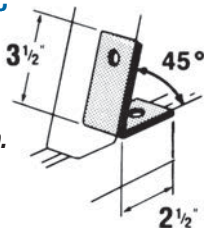
AB225HDGC

AB225EG

AB225

AB225SS6

Wt./C 58 lb.



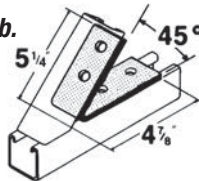
Other angles available.
Contact your Regional Sales Office.

AB226

AB226HDGC

AB226SS6

Wt./C 119 lb.



Other angles available.
Contact your Regional Sales Office.

AB227

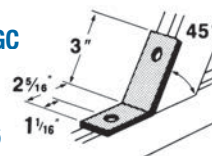
AB227HDGC

AB227EG

AB227

AB227SS6

Wt./C 58 lb.



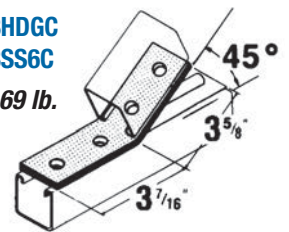
Other angles available.
Contact your Regional Sales Office.

AB228

AB228HDGC

AB228SS6C

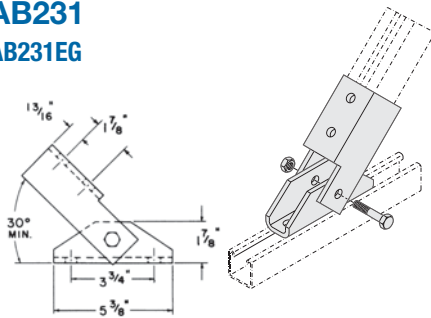
Wt./C 69 lb.



Other angles available.
Contact your Regional Sales Office.

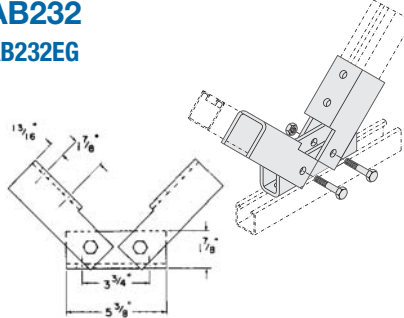
AB231

AB231EG



AB232

AB232EG

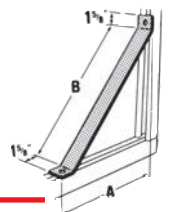


AB239

*Finishes

• HDGC • EG • GoldGalv®

Cat. No.	A (in.)	B (in.)	Wt./C lb.
AB239-1*	7-13/16	8-1/2	148
AB239-2*	13-3/4	17	255
AB239-3*	19-3/4	25-1/2	363



"Z" Shape Fittings

A209

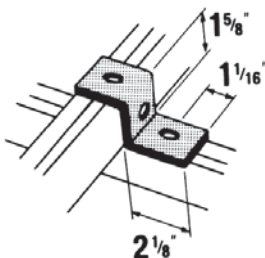
A209HDGC

A209EG

A209

A209SS6

Wt./C 55 lb.



For attaching A and AR Series channel.

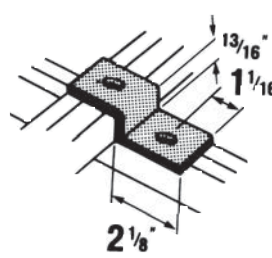
B209

B209HDGC

B209EG

B209

Wt./C 43 lb.

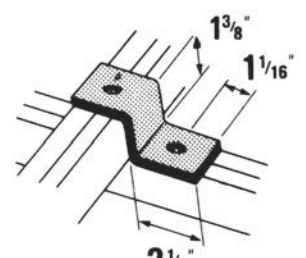


For attaching B and BR Series channel.

C209

C209

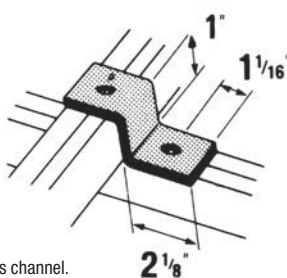
Wt./C 49 lb.



For attaching C Series channel.

D209

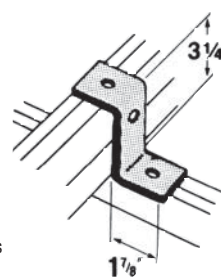
Wt./C 45 lb.



For attaching D Series channel.

CZ209

For attaching H Series
and A back to back.



EZ209

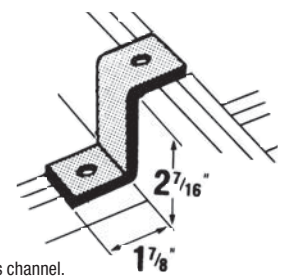
EZ209HDGC

EZ209EG

EZ209

EZ209SS6

For attaching E Series channel.



Standard Dimensions	Hole Spacing	→ 13/16 in. From End
	Hole Spacing	→ 1-7/8 in. Centers
	Hole Size	→ 9/16 in. Diam.
	Material	→ 1-5/8 in. Width
	Material	→ 1/4 in. Thick

Materials	HDG(C)	→ Hot-Dipped Galvanized
	EG(C)	→ Electrogalvanized
	(No suffix)	→ GoldGalv®
	SS6(C)	→ Stainless Steel 316

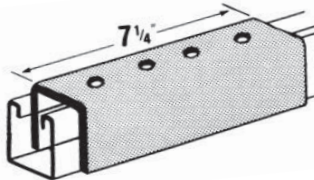
Fittings and Brackets

"U" Shape Fittings

A208

A208HDGC
A208EG
A208
A208SS6C

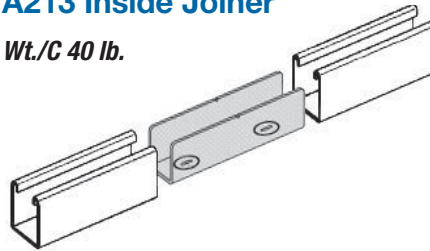
Wt./C 275 lb.



Does not include stud nut or bolts.
For A and AR Series channel.

A213 Inside Joiner

Wt./C 40 lb.

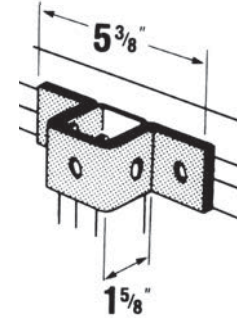


For A1200 Series.
Available only in GoldGalv® finish.

A210

A210HDGC
A210EG
A210
A210SS6C

Wt./C 88 lb.

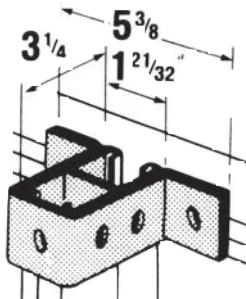


For attaching A and AR Series channel.

A211

A211HDGC
A211EG
A211

Wt./C 128 lb.

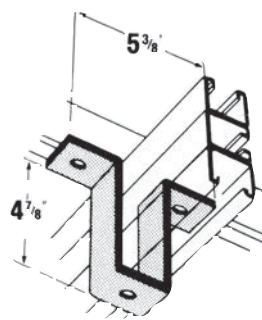


For attaching A and AR Series double channel, and H Series.

AN211

AN211HDGC
AN211EG
AN211

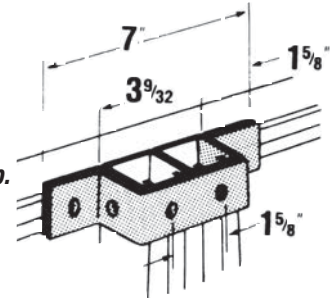
Wt./C 181 lb.



A212

A212HDGC
A212EG
A212
A212SS6

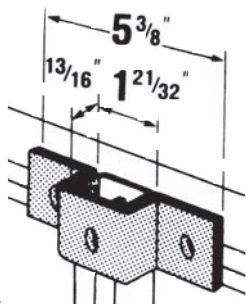
Wt./C 113 lb.



B210

B210HDGC
B210EG
B210
B210SS6

Wt./C 65 lb.

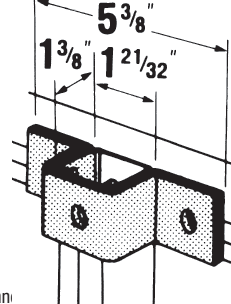


For attaching B and BR Series.

C210

C210HDGC
C210EG
C210

Wt./C 77 lb.

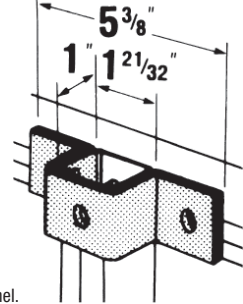


For attaching C Series channel.

D210

D210HDGC
D210EG
D210
D210SS6

Wt./C 71 lb.

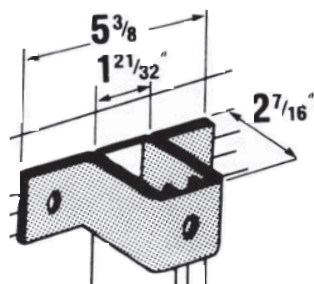


For attaching D Series channel.

E210

E210HDGC
E210EG
E210

Wt./C 112 lb.

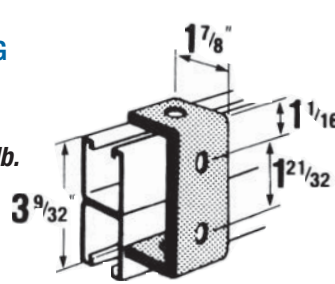


For attaching E Series channel.

AB245

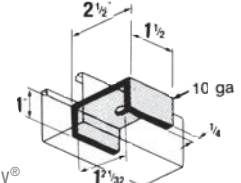
AB245HDGC
AB245EG
AB245

Wt./C 70 lb.



For attaching A and AR Series double channel.

AB288



*Finishes
• HDGC • EG • GoldGalv®

Cat. No.	Bolt Size (in.)	Wt./C lb.
AB288-3/8*	3/8	37
AB288-1/2*	1/2	
AB288-5/8*	5/8	

Standard Dimensions	Hole Spacing →	13/16 in. From End
	Hole Spacing →	1-7/8 in. Centers
	Hole Size →	9/16 in. Diam.
	Material →	1-5/8 in. Width
	Material →	1/4 in. Thick

Materials	HDG(C) →	Hot-Dipped Galvanized
	EG(C) →	Electrogalvanized
	(No suffix) →	GoldGalv®
	SS6(C) →	Stainless Steel 316

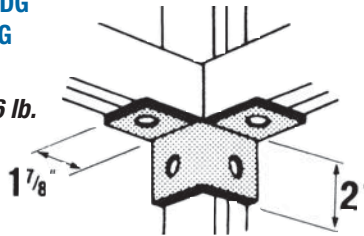
Fittings and Brackets

Wing Fittings

AW204

AW204HDG
AW204EG
AW204

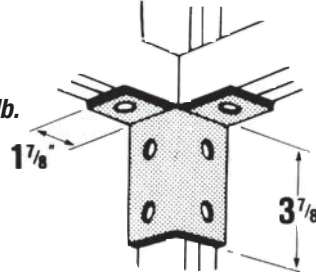
Wt./C 76 lb.



AW214

AW214HDG
AW214EG
AW214

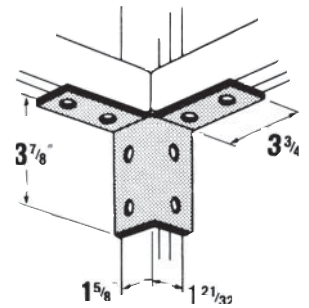
Wt./C 115 lb.



A217

AW217HDG
A217EG
A217

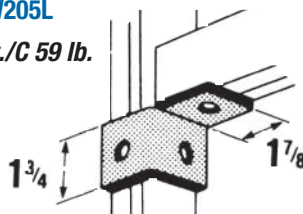
Wt./C 155 lb.



AW205L

AW205LHDG
AW205LEG
AW205L

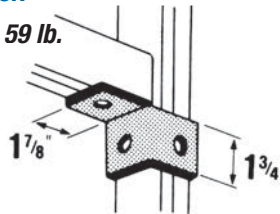
Wt./C 59 lb.



AW205R

AW205REG
AW205R

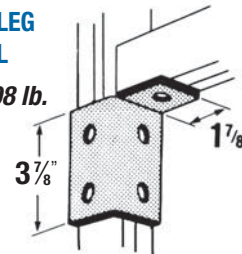
Wt./C 59 lb.



AW215L

AW215LHDG
AW215LEG
AW215L

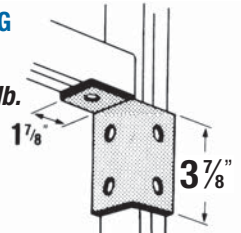
Wt./C 98 lb.



AW215R

AW215RHDG
AW215REG
AW215R

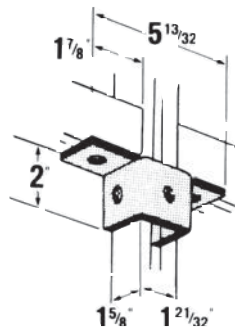
Wt./C 98 lb.



AW220

AW220HDGC
AW220EG
AW220

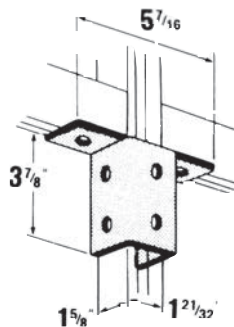
Wt./C 90 lb.



AW224

AW224HDGC
AW224EG
AW224

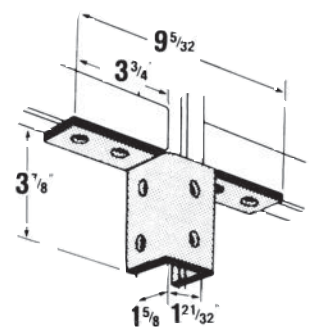
Wt./C 147 lb.



AW219

AW219HDGC
AW219EG
AW219

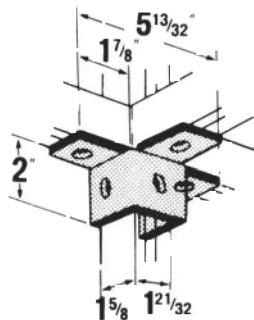
Wt./C 187 lb.



AW226

AW226HDG
AW226

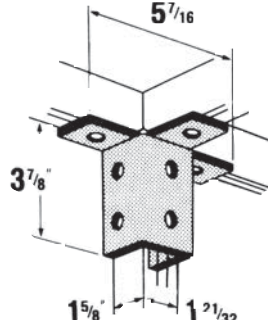
Wt./C 113 lb.



A218

A218HDG
A218EG
A218

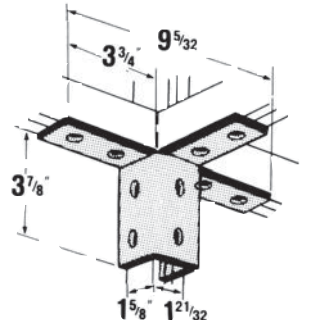
Wt./C 177 lb.



AW228

AW228HDG
AW228EG
AW228

Wt./C 230 lb.



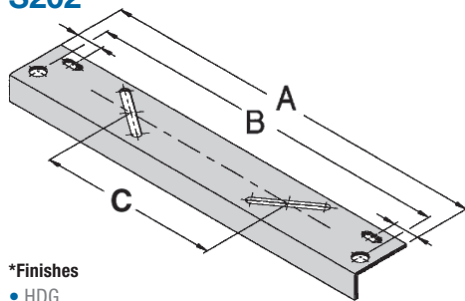
Standard Dimensions	Hole Spacing	→ 13/16 in. From End
	Hole Spacing	→ 1-7/8 in. Centers
	Hole Size	→ 9/16 in. Diam.
	Material	→ 1-5/8 in. Width
	Material	→ 1/4 in. Thick

Materials	HDG(C)	→ Hot-Dipped Galvanized
	EG(C)	→ Electrogalvanized
	(No suffix)	→ GoldGalv®
	SS6(C)	→ Stainless Steel 316

Fittings and Brackets

Brackets

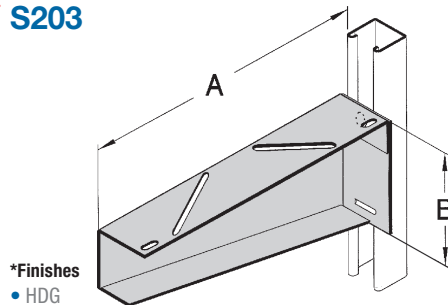
S202



*Finishes
• HDG

Cat. No.	A (in.)	B (in.)	C (in.)	Wt./C lb.
S202-6*	6	5	—	75
S202-9*	9	8	2	100
S202-15*	15	14	18	175
S202-21*	21	20	14	250
S202-27*	27	26	20	325
S202-33*	33	32	26	400

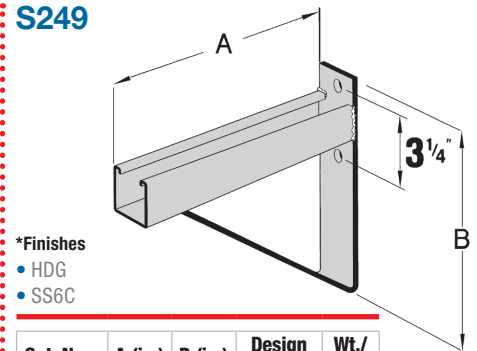
S203



*Finishes
• HDG

Cat. No.	A (in.)	B (in.)	Design Load/lb.	Wt./C lb.
S203-8*	8-1/2	4-1/16	1200	180
S203-14*	14-1/2	5-3/8		325
S203-20*	20-1/2	6-11/16		525
S203-26*	26-1/2	8		675
S203-32*	32-1/2	8		840
S203-38*	38-1/2	8		1050

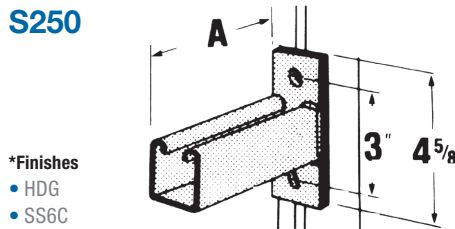
S249



*Finishes
• HDG
• SS6C

Cat. No.	A (in.)	B (in.)	Design Load/lb.	Wt./C lb.
S249-8*	8-1/2	8	1500	320
S249-14*	14-1/2	9		520
S249-20*	20-1/2	9		660
S249-26*	26-1/2	11-1/2		870
S249-32*	32-1/2	11-1/2		1030
S249-38*	38-1/2	11-1/2		1230

S250

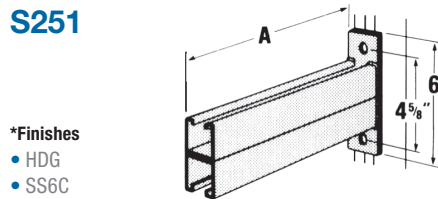


*Finishes
• HDG
• SS6C

Cat. No.	A (in.)	Design Load/lb.	Wt./C lb.
S250-6*	6	1500	150
S250-8*	8-1/2	1500	150
S250-12*	12	800	250
S250-14*	14-1/2	800	250
S250-18*	18	550	350
S250-20*	20-1/2	550	350
S250-24*	24	400	450
S250-26*	26-1/2	400	450

May be installed inverted with no change in load ratings.

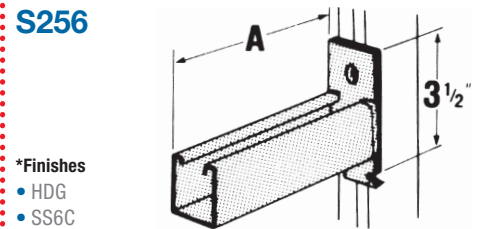
S251



*Finishes
• HDG
• SS6C

Cat. No.	A (in.)	Design Load/lb.	Wt./C lb.
S251-12*	12	1650	514
S251-14*	14-1/2	1650	514
S251-18*	18	1050	714
S251-20*	20-1/2	1050	714
S251-24*	24	800	914
S251-26*	26-1/2	800	914
S251-30*	30	650	1114
S251-32*	32-1/2	650	1114
S251-36*	36	500	1314
S251-38*	38-1/2	500	1314

S256



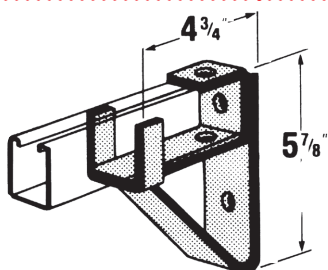
*Finishes
• HDG
• SS6C

Cat. No.	A (in.)	Design Load/lb.	Wt./C lb.
S256-6*	6	1000	151
S256-8*	8-1/2	1000	151
S256-12*	12	500	251
S256-14*	14-1/2	500	251
S256-18*	18	300	351
S256-20*	20-1/2	300	351
S256-24*	24	250	451
S256-26*	26-1/2	250	451

When installed in inverted position reduce load rating 40%.

S247

S247HDG
S247
S247SS6



Design Moment
(channel upright as shown)
When Supported By

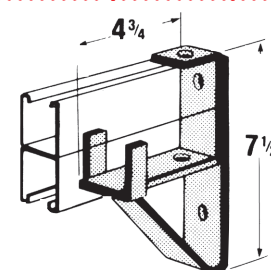
A-1200 5250 inch lb.

A-1400 3650 inch lb.

Applies to fitting only, not to the arm.

S248

S248HDG
S248
S248



Design Moment
(channel upright as shown)
When Supported By

A-1200 10 800 inch lb.

A-1400 7 550 inch lb.

Applies to fitting only, not to the arm.

Standard Dimensions	Hole Spacing →	13/16 in. From End
	Hole Spacing →	1-7/8 in. Centers
	Hole Size →	9/16 in. Diam.
	Material →	1-5/8 in. Width
	Material →	1/4 in. Thick

Materials	HDG(C) →	Hot-Dipped Galvanized
	EG(C) →	Electrogalvanized
	(No suffix) →	GoldGalv®
	SS6(C) →	Stainless Steel 316

Fittings and Brackets

Brackets

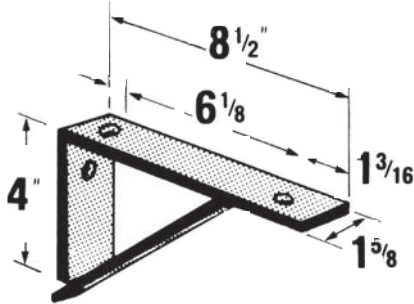
S204

S204HDGC

S204

Wt./C 174 lb.

Design Uniform Load/lb.	
A-1200	750
A-1400	500



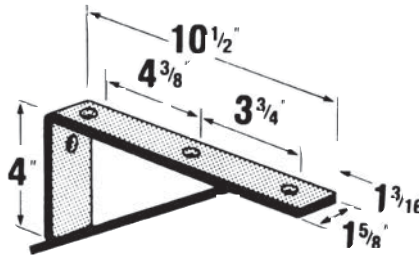
S205

S205HDGC

S205

Wt./C 264 lb.

Design Uniform Load/lb.	
A-1200	750
A-1400	500



S217

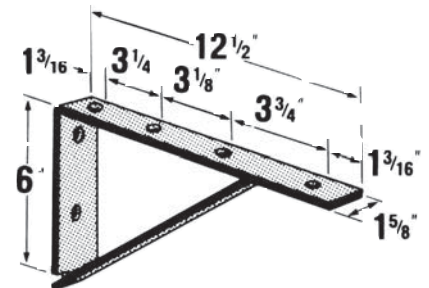
S217HDG

S217

S217SS6

Wt./C 264 lb.

Design Uniform Load/lb.	
A-1200	750
A-1400	650



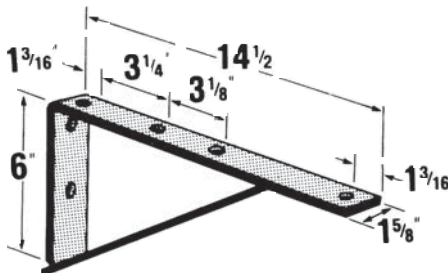
S218

S218HDG

S218

Wt./C 295 lb.

Design Uniform Load/lb.	
A-1200	750
A-1400	650



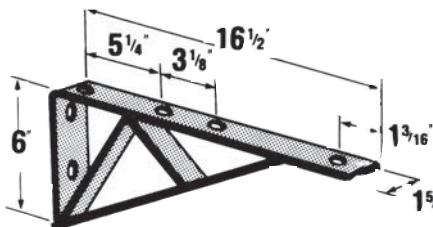
S222

S222HDG

S222

Wt./C 385 lb.

Design Uniform Load/lb.	
A-1200	1000
A-1400	750



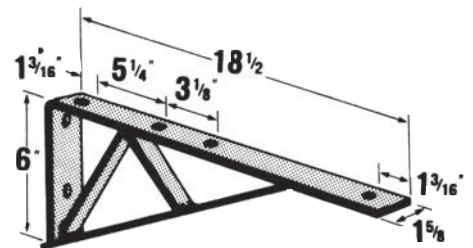
S226

S226HDG

S226

Wt./C 421 lb.

Design Uniform Load/lb.	
A-1200	1000
A-1400	750



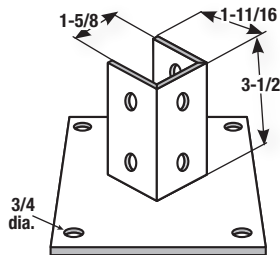
Fittings and Brackets

Post Bases

AP232

AP232HDGC
AP232EG
AP232

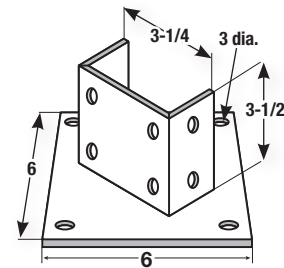
Wt./C 384 lb.



AP235

AP235HDGC
AP235EG
AP235

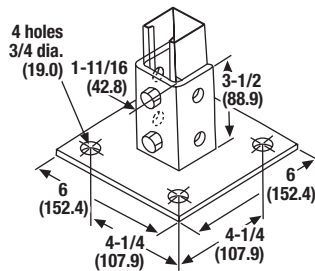
Wt./C 400 lb.



AP232SQ

AP232SQHDGC
AP232SQEG
AP232SQSS6

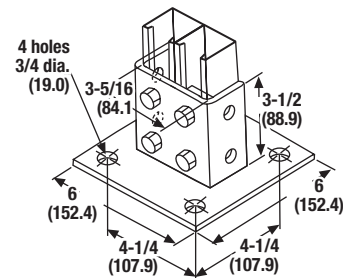
Wt./C 384 lb.



AP235SQ

AP235SQHDGC
AP235SQEG
AP235SQ
AP235SQSS6

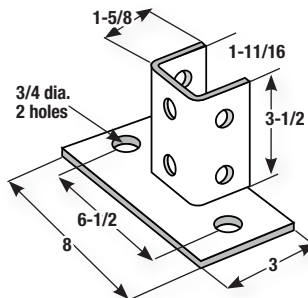
Wt./C 400 lb.



AP232FL

AP232FLHDG
AP232FLEG
AP232FL

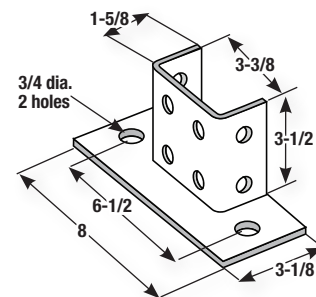
Wt./C 272 lb.



AP235FL

AP235FLHDGC
AP235FLEG
AP235FL

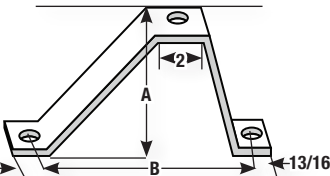
Wt./C 360 lb.



AN270

*Finishes

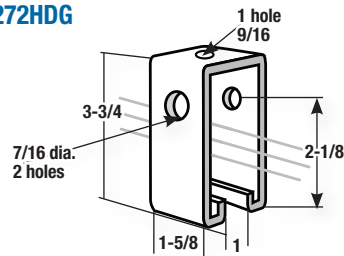
- HDG
- EG



Cat. No.	A	B	Wt./C lb.
AN270-1*	2-3/8	6	113
AN270-2*	4-3/8	8	151
AN270-3*	6-3/8	10	199
AN270-4*	8-3/8	12	246
AN270-5*	10-3/8	14	293

TS272 Track Support

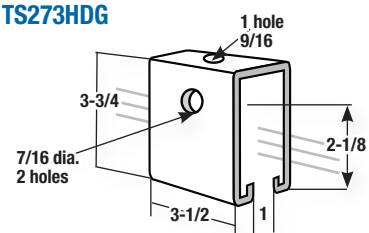
TS272HDG



Requires 3/8 in. x 2-1/2 in. bolt and nut (not included)
Design load: 1000 lb.
Wt./C 104 lb.

TS273 Track Support

TS273HDG

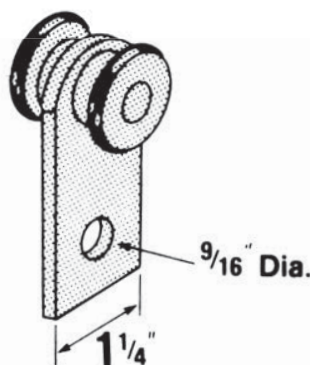


For use over channel splice
Requires 3/8 in. x 2-1/2 in. bolt and nut (not included)
Design load: 2000 lb.
Wt./C 228 lb.

Fittings and Brackets

Special Application Fittings and Brackets

TR292



Can be used for Series A, E and H channels only.

Standard finish is Electrogalvanized.

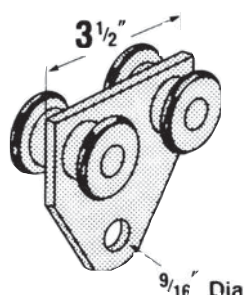
Frictionless needle bearings.

Design load: 500 lb.

Safety factor of 5.

Wt./C 59 lb.

TR294



Can be used for Series A, E and H channels only.

Standard finish is Electrogalvanized.

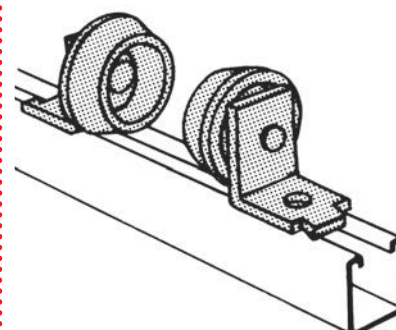
Frictionless needle bearings.

Design load: 1000 lb.

Safety factor of 5.

Wt./C 106 lb.

C728 Pipe Roller (Pair)



Cast aluminum rollers, steel brackets. Designed for standard saddles. Order separately for each pair of rollers: two 1/2 in. x 5/16 in. hex head cap screws and two 1/2 in. channel nuts. Space to suit O.D. of pipe and wrapping.

Design Load: 2350 lb.

Wt./C : 300 lb.

Adjustable Universal Support

Support building services and access equipment on flat roofs and flat surfaces



The T&B Adjustable Universal Support (AUS) provides an easy method for supporting pipes, conduit and equipment on flat roofs, below raised floors and even on level ground applications. The AUS reduces installation time compared to other support solutions such as wooden blocks, cement blocks, straps and clips. These labor intensive solutions also increase the danger of roof membrane penetration.

The AUS system also allows for tool free adjustment of the pedestal height from 6 to 9 inches with a twist of the wrist. This ensures that the supported objects or pipes are uniformly supported and no high stress supports are carrying a disproportionate load in a single location.

Cat. No.	Description	Qty.
AUS14-96	Adjustable Universal Support (Base only)	1
AUS-RISER-KIT	Riser Kit	
A1200HS100PG	14 in. strut	1
H104-1/2X10EGC	12 in. threaded rod	2
E145-1/2EGC	Nut	8
E147-1/2EGC	Washer	8
E148-1/2EGC	Lock washer	4
AUS-STRUT-KIT	Bolt Kit	
A1200HS100PG	14 in. strut	1
E142-1/2X200EGC	Bolt	2
E145-1/2EGC	Nut	2
E147-1/2EGC	Washer	4
E148-1/2EGC	Lock washer	2
AUS125PCSS6	4-1/2 in. stainless steel 316 strap (to restrain 1-1/4 in. pipe)	2
AUS150PCSS6	5 in. strap (to restrain 1-1/2 in. pipe)	2
AUS200PCSS6	6 in. strap (to restrain 2 in. pipe)	2

