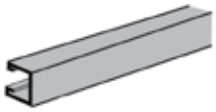
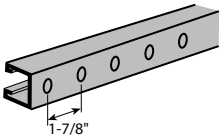
1-5/8 in. x 1-5/8 in. Channel

Superstrut® 1-5/8 in. x 1-5/8 in. - 12 Gauge Channel Type A

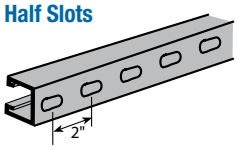
Solid Base



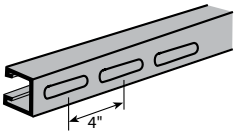
Punched



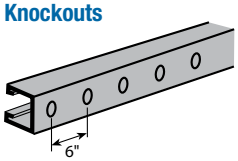
Half Slots



Long Slots



Knockouts



Back to Back

Cat. No.	Description
A1200	Solid base
A1200-P	Punched
A1200-HS	Half slots
A1200-S	Long slots
A1200-KO	Knockouts
A1202	Back to back

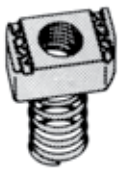
Example: A1200HS10ALC, A120020HDGC

Finishes & Materials	
No Suffix	**Gold galvanized dichromate finish**
ALC	Aluminum
EG	Electrogalvanized
HDGC	Hot dipped galvanized
PGC	Pregalvanized
T316L	Stainless steel Type 316

- Offered in 10 or 20 ft. lengths.
- Aluminum, hot dipped galvanized or stainless steel channels are recommended to support aluminum steel or stainless steel cable tray.

Channel Nuts

A100
Regular Spring Nut



AC100
Springless Nut

UC100
Universal Nylon Cone Nut

For all 1-5/8 in. and 1-1/2 in. channels
May be used with ALL Strut Depths.

Cat. No.	Size	
100-1/4EGC	1/4	Standard Finish: Electrogalvanized Stainless steel channel nuts are recommended for aluminum channel and cable tray rungs. Change suffix to SS6(C).
A100-5/16EGC	5/16	
A100-3/8EGC	3/8	
A100-1/2EGC	1/2	
A100-5/8EGC	5/8	
A100-3/4	3/4	
A100-7/8EGC	7/8	

Nut is square over 1/2 in. size.

AC100-1/4EGC	1/4	Standard Finish: Electrogalvanized Stainless steel channel nuts are recommended for aluminum channel and cable tray rungs. Change suffix to SS6(C).
AC100-3/8EGC	3/8	
AC100-1/2EGC	1/2	
AC100-5/8	5/8	
AC100-3/4	3/4	

Nut is square over 1/2 in. size.

UC100-1/4	1/4	Not available in stainless steel.
UC100-3/8	3/8	
UC100-1/2	1/2	

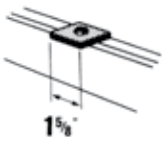
Hex. Head Cap Screw

Cat. No.	Size	
E142-1/4x100EG	1/4 x 1	Standard finish Electrogalvanized Available in stainless steel. Change suffix to SS6(C).
E142-1/4x150EG	1/4 x 1-1/2	
E142-3/8x100EG	3/8 x 1	
E142-3/8x150EG	3/8 x 1-1/2	
E142-1/2x100EG	1/2 x 1	
E142-1/2x150EG	1/2 x 1-1/2	

1-5/8 in. x 1-5/8 in. Channel

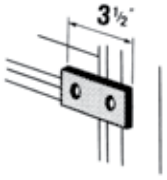
Superstrut® Fittings and Brackets

AB241HDGC

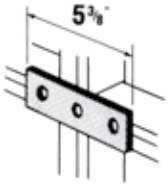


Cat. No.	Hole Size
AB241-1/4HDGC	1/4
AB241-3/8HDGC	3/8
AB241-1/2HDGC	1/2
AB241-3/4HDGC	3/4

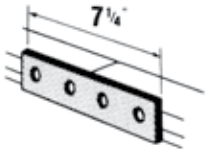
AB206HDGC



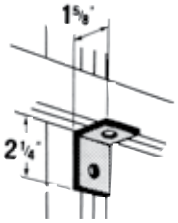
AB207HDGC



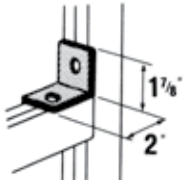
X207HDGC



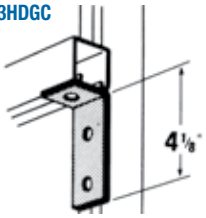
AB201HDGC



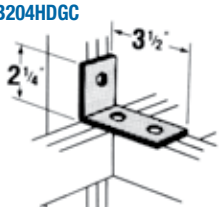
AB202HDGC



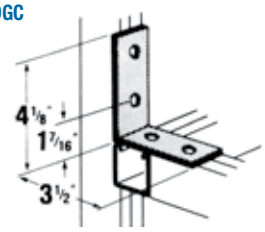
AB203HDGC



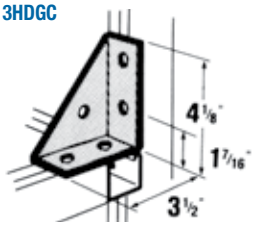
AB204HDGC



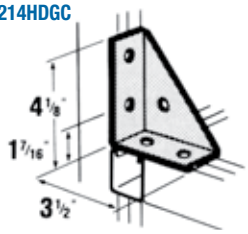
AB205HDGC



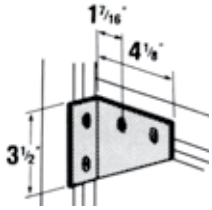
AB213HDGC



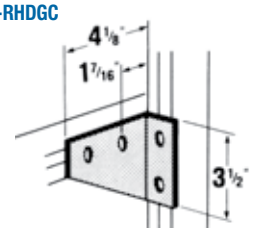
AB214HDGC



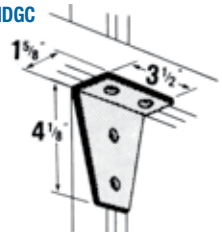
AB254-LHDGC



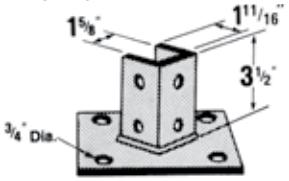
AB254-RHDGC



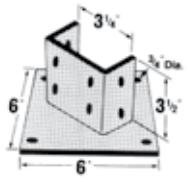
X289HDGC



AP232HDG

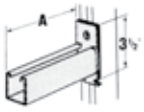


AP235HDGC

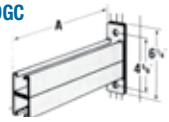


S249HDG

S256HDGC



S251HDGC



Cat. No.	A	B	Design Load (lb.)
S249-8HDG	8-1/2	8	1500
S249-14HDG	14-1/2	9	1500
S249-20HDG	20-1/2	9	1500
S249-26HDG	26-1/2	11-1/2	1500
S249-32HDG	32-1/2	11-1/2	1500
S249-38HDG	38-1/2	11-1/2	1500

Cat. No.	A	Design Load (lb.)
S249-8HDG	8-1/2	1000
S249-14HDG	14-1/2	500
S249-20HDG	20-1/2	300
S249-26HDG	26-1/2	250

When installed in inverted position reduce load rating 40%. Strut section made from half slot channel.

Cat. No.	A	Design Load (lb.)
S251-14HDGC	14-1/2	1650
S251-20HDGC	20-1/2	800
S251-26HDGC	26-1/2	650
S251-32HDGC	32-1/2	500
S251-38HDGC	38-1/2	500

Hot dipped galvanized HDG(C) or stainless steel SS6(C) fittings are recommended to assemble aluminum channel.
Also available in Electrogalvanized (EG) and Gold galvanized dichromate (no suffix).

Std Dimensions: Hole Spacing 13/16 in. from end
Hole Spacing 1-7/8 in. centers
Hole Size 9/16 in. dia.
Fitting width 1-5/8 in.

Quick Clamp II (TBQC)

True one-piece construction — arrives ready to install.

NO breaking apart — half the installation time of break apart clamps.

Integral bolt and captive nut— no separate pieces to lose.

One size fits EMT and rigid conduit — takes the guesswork out of clamp selection. Pipe size and catalogue number stamped right on clamp.

Attaches a complete range of EMT and rigid conduit (1/2 in. to 4 in.) — to strut channels.

Multi-driver combo bolt head— accepts a wrench, most screwdrivers or 1/2 in. nut driver.

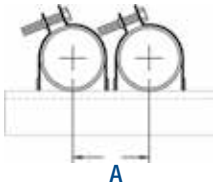
Field-adjustable angle (± 4°) — easy installation even when strut is not square.

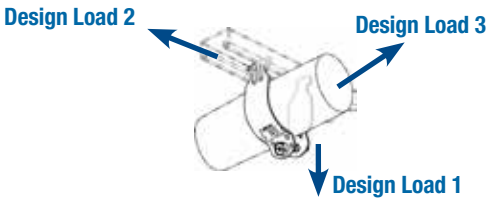
Embossed J-hooks increase loading capabilities.

T&B flex window provides wrapping action around pipes.

Easy reconfiguration without complete disassembly — easily accessible angled bolt allows for field adjustments and closer conduit spacing.

Electrogalvanized finish — additional corrosion resistance.





Ordering Information			
Cat. No.	**Design Load 1 Static Load Limit lb. (kg)**	**Design Load 2 lb. (kg)**	**Design Load 3 lb. (kg)**
TBQC050	1-5/16 (33.5)	1-1/4 (31.5)	100
TBQC075	1-3/4 (44.5)	1-11/16 (43)	100
TBQC100	1-13/16 (46)	1-3/4 (44.5)	100
TBQC125	2-1/8 (54)	2 (51)	50
TBQC150	2-3/8 (60.5)	2-3/16 (55.5)	50
TBQC200	2-5/8 (66.5)	2-1/2 (63.5)	50
TBQC250	3-1/16 (78)	3-1/16 (78)	25
TBQC300	3-11/16 (93.5)	3-11/16 (93.5)	25
TBQC350	4-3/16 (106.5)	4-3/16 (106.5)	25
TBQC400	4-11/16 (119)	4-11/16 (119)	25

Loading Data			
Cat. No.	**Design Load 1 Static Load Limit lb. (kg)**	**Design Load 2 lb. (kg)**	**Design Load 3 lb. (kg)**
TBQC050	200 (90)	50 (23)	50 (23)
TBQC075	200 (90)	50 (23)	50 (23)
TBQC100	200 (90)	50 (23)	50 (23)
TBQC125	200 (90)	50 (23)	50 (23)
TBQC150	200 (90)	50 (23)	50 (23)
TBQC200	200 (90)	50 (23)	50 (23)
TBQC250	350 (158)	50 (23)	50 (23)
TBQC300	350 (158)	50 (23)	50 (23)
TBQC350	350 (158)	50 (23)	50 (23)
TBQC400	350 (158)	50 (23)	50 (23)

Design Load 1 has a safety factor of 4. Design Loads 2 and 3 have a safety factor of 1.

Cobra® Cable and Pipe Clamp (CPC)

Clear markings on each clamp — identify the catalogue number, min./max. outer cable diameters, EMT/Rigid trade sizes, CSA and UL stamps.

One size clamp works on **equal trade sizes for both EMT and rigid conduit.**

Works with **all depths of strut - 13/16 in. to 3-1/4 in.**

Two hooks on the same side — make the clamp easy to install and keep conduits and cable square with strut.

Rugged stirrup and wide saddle design — holds securely with no damage to conduit or cable.

Suggested design load — is 200 lb. (1/2 in. to 2 in.); 350 lb. (2-1/2 in. to 4 in.). Safety factor 4:1 (safety factor = ratio of ultimate load to the design load).

Heavy-duty 5/16 in. hex bolt — with multi-driver head (Robertson square, Phillips cross-recess and slot) provides full range of installation options. Virtually any tool will work!

Bright zinc finish clamps are electogalvanized after fabrication for additional durability.

Ordering Information

Cat. No.	For EMT Trade Size	For EMT Conduit Trade Size	Cable O.D. Range (in.)	Static Load Limit (lb.)) Safety Faster = 4	Quantity per Box
CPC050	1/2	1/2	0.650 – 0.890	200	100
CPC075	3/4	3/4	0.860 – 1.110	200	100
CPC100	1	1	1.100 – 1.400	200	100
CPC125	1 1/4	1 1/4	1.400 – 1.725	200	100
CPC150	1 1/2	1 1/2	1.690 – 1.980	200	50
CPC200	2	2	1.980 – 2.576	200	50
CPC250	2 1/2	2 1/2	2.576 – 3.060	350	25
CPC300	3	3	3.060 – 3.626	350	25
CPC350	3 1/2	3 1/2	3.626 – 4.126	350	25
CPC400	4	4	4.126 – 4.626	350	25

Standard material is commercial-grade, bright electrogalvanized steel. Stainless steel 316L is also available; add the suffix "SS6" to catalogue no. (i.e.: CPC050SS6).
Stainless steel bolt head is hexagonal and slotted only.
Now available in aluminum. Add suffix AL to catalogue number.

King Cobra® Cable and Pipe Clamp (LKCPC)

Superior design load capabilities for industrial applications:
350 lb. for 1/2 in. to 2 in. trade sizes; 450 lb. for 2-1/2 in. to 4 in. trade sizes.

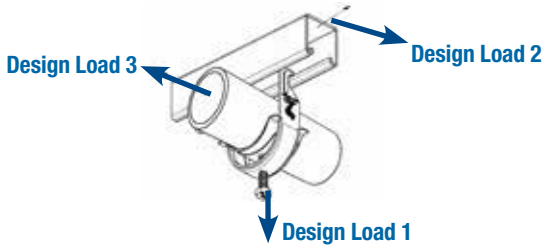
- Durable one-piece, heavy-duty steel construction – designed specifically for use in industrial applications.
- Embosses on shoulder and hooks increase loading capability and durability, preventing deformation of clamps.
- Rugged stirrup provides increased strength for heavier loads, minimizing deflection.
- Wider saddle design with anti-rotation tabs distributes load evenly over a larger surface area, preventing jacket damage.
- Increased corrosion protection - GoldGalv® (yellow zinc dichromate) finish stands up to harsh industrial applications. Compared to conventional electrogalvanization.
- Parallel hook design keeps conduit and cable square with strut.
- Heavy-duty 5/16 in. hex bolt.
- One size clamp works on equal trade sizes for both EMT and rigid conduit, simplifying clamp specification.

Ordering Information

Cat. No.	For EMT Trade Size inches (mm)	For Rigid Conduit Trade Size Inches (mm)	Cable Range (in.)	Quantity per Box
LKCPC050	1/2	1/2	0.650-0.890	100
LKCPC075	3/4	3/4	0.860-1.110	100
LKCPC100	1	1	1.100-1.400	100
LKCPC125	1-1/4	1-1/4	1.400-1.725	50
LKCPC150	1-1/2	1-1/2	1.690-1.980	50
LKCPC200	2	2	1.980-2.576	50
LKCPC250	2-1/2	2-1/2	2.576-3.060	25
LKCPC300	3	3	3.060-3.626	25
LKCPC350	3-1/2	3-1/2	3.626-4.126	25
LKCPC400	4	4	4.126-4.626	25

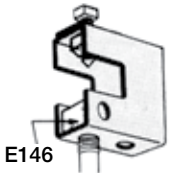
Loading Data

Cat. No.	Design Load 1 Static Load Limit lb. (kg)	Design Load 2 lb. (kg)	Design Load 3 lb. (kg)
Safety Factor = 4			
LKCPC050	200 (90)	50 (23)	50 (23)
LKCPC075	200 (90)	50 (23)	50 (23)
LKCPC100	200 (90)	50 (23)	50 (23)
LKCPC125	200 (90)	50 (23)	50 (23)
LKCPC150	200 (90)	50 (23)	50 (23)
LKCPC200	200 (90)	50 (23)	50 (23)
LKCPC250	350 (158)	50 (23)	50 (23)
LKCPC300	350 (158)	50 (23)	50 (23)
LKCPC350	350 (158)	50 (23)	50 (23)
LKCPC400	350 (158)	50 (23)	50 (23)



Beam Clamps and Hanger Rods

U562HDG

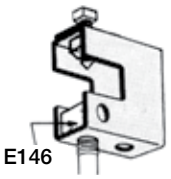


Rod Size	Design Load Load/lb.
1/2	800

E146 Square nut order separately. 1/2 in. set screw included.

For 20º swivel application use ES145-1/2 nut.

UM562HDGC

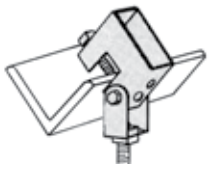


Rod Size	Design Load Load/lb.
1/2	1200

E146 Square nut order separately. 1/2 in. set screw included.

For 20º swivel application use ES145-1/2 nut.

US562HDGC



Rod Size	Design Load Load/lb.
1/2	800

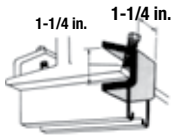
1/2 in. set screw included.

U568

Cat. No.	Beam Flange Width	A
U568-3EG	6	9
U568-4EG	9	12
U568-5EG	12	15

16 ga. material.

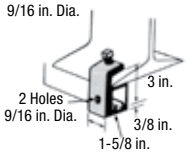
U514HDGC



3/8 in. x 1-1/2 in. set screw included.

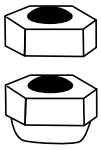
Design Load 750 lb./per pair.

U515HDGC



For all in.A in. series channel. 1/2 in. x 1-1/2 in. set screw included. Design Load 800 lb.

ES145



Cat. No.	Size
ES145-3/8EG	3/8
ES145-1/2EG	1/2

E146

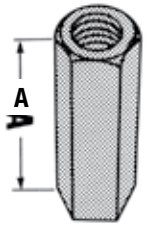
Cat. No.	Size
E146-1/4EG	1/4
E146-5/16EG	5/16
E146-3/8EG	3/8
E146-1/2EG	1/2
E146-5/8EG	5/8

H104

Cat. No.	Size	Threads per inch	Design Load lb.
National Coarse Thread			
H104-1/4x10EGC	1/4	20	150
H104-3/8x10EGC	3/8	16	610
H104-1/2x10EGC	1/2	13	1130
H104-5/8x10EGC	5/8	11	1810
H104-3/4x10EGC	3/4	10	2710
H104-7/8x10EGC	7/8	9	3770

Also available in stainless steel (304 and 316) in length of 6 ft.

H119



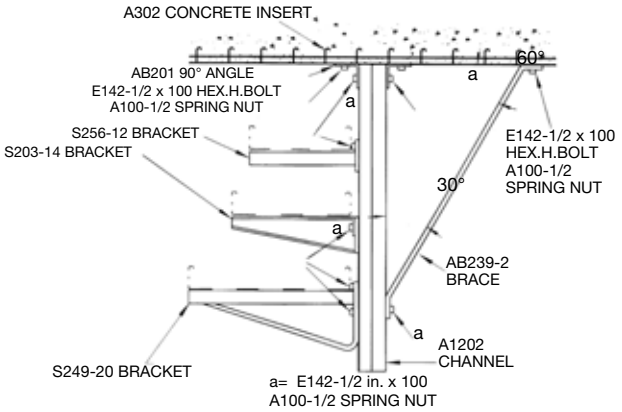
Rod Size	A
1/4	7/8
5/16	7/8
3/8	1-1/8
1/2	1-1/4
5/8	2-1/8
3/4	2-1/4
7/8	2-1/2
1	2-1/4

Order by product number, rod size, and finish. Example: H119-1/2EGC.

Finished & Materials: Gold Galv. dichromate (no suffix), Electrogalvanized (EG), Hot dipped Galvanized (HDGC), Stainless Steel Type 316 (SS6C).

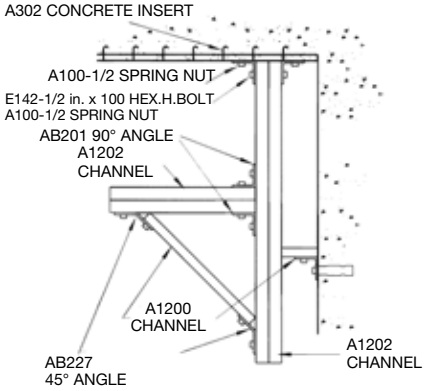
Design Applications / Mechanical Support

Example: 1



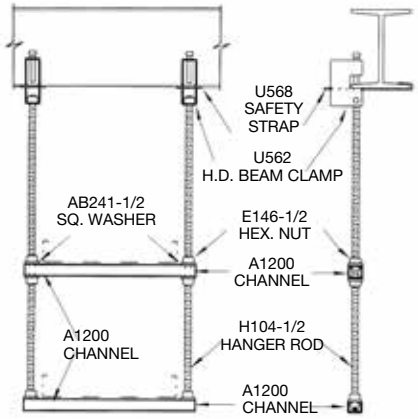
Suspended column, carrying brackets, braced to the ceiling.

Example: 2



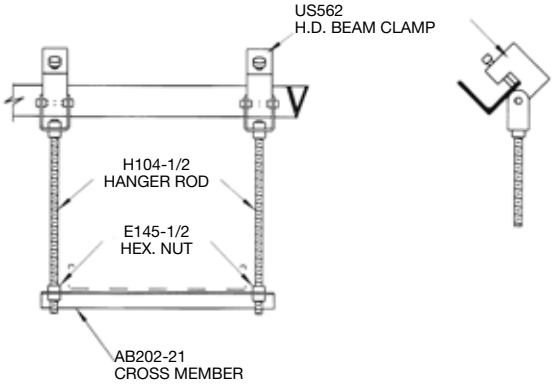
Suspended column, holding bracket and console braced to wall.

Example: 3



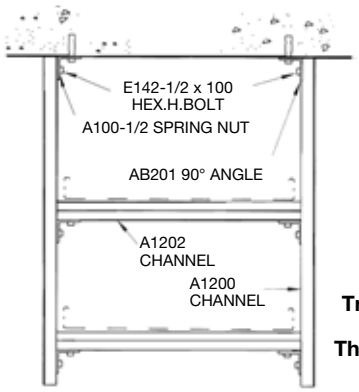
Trapeze, T&B channels are used as cross members.

Example: 4



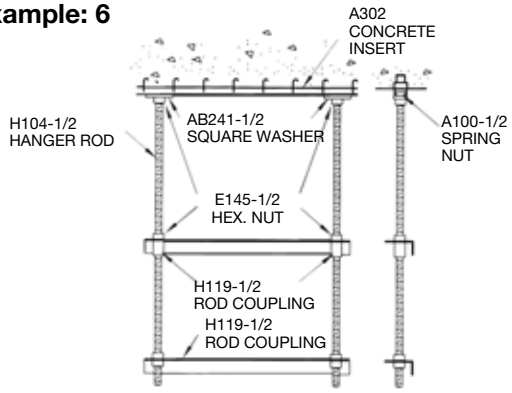
Sketch depicts the use of beam clamps on slanted beams.

Example: 5



Trapeze, constructed from T&B channels, fittings. The use of spot inserts is shown.

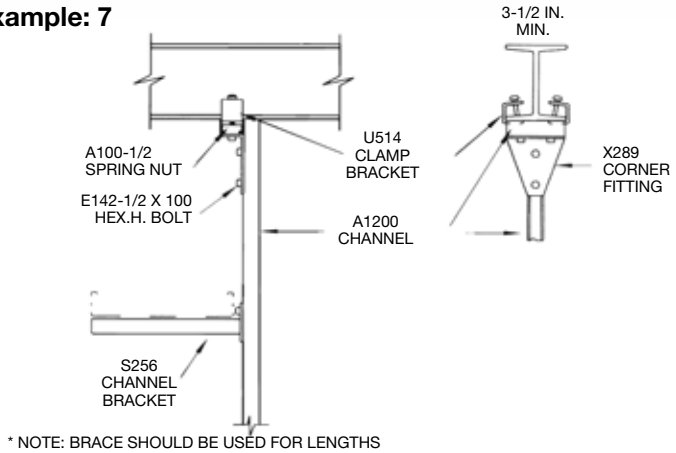
Example: 6



Trapeze, using T&B hanger rods, cross members.

Design Applications / Mechanical Support

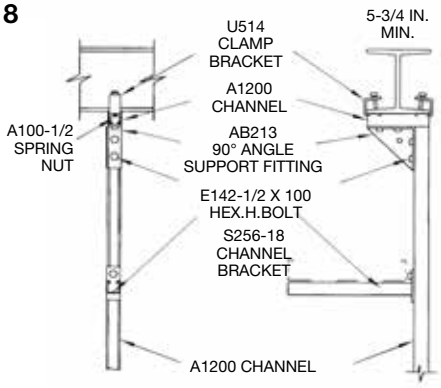
Example: 7



* NOTE: BRACE SHOULD BE USED FOR LENGTHS GREATER THEN 30 IN.

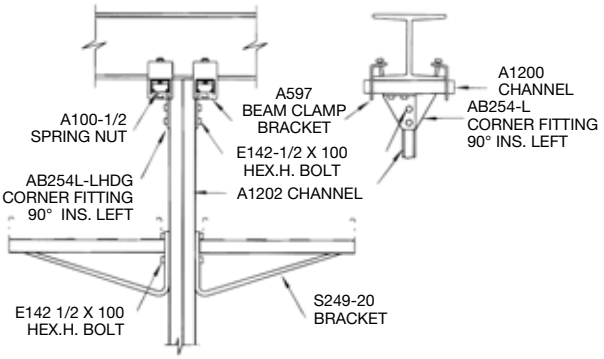
Single-sided bracket application

Example: 8



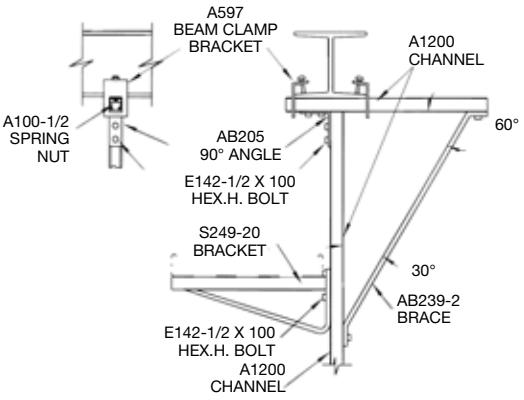
Single-sided bracket application

Example: 9



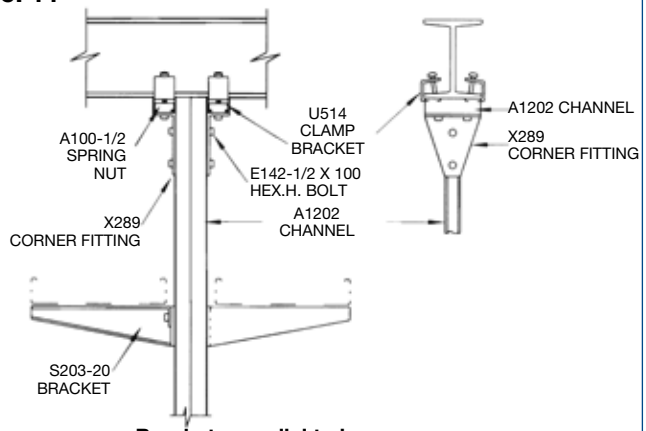
Two-sided Heavy-Duty application

Example: 10



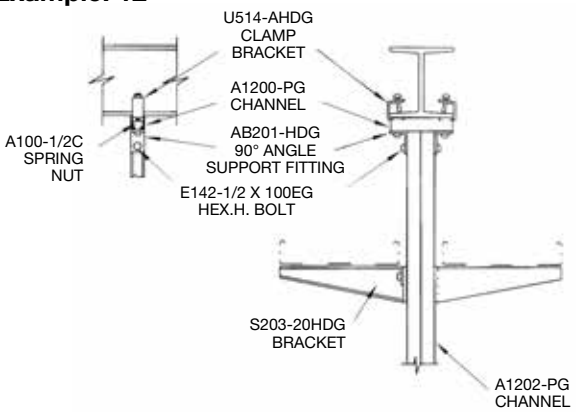
Heavy-Duty bracket application

Example: 11



Brackets parallel to beam

Example: 12



Brackets perpendicular to beam