

Superstrut® support systems

1⁵/₈ in. x 1⁵/₈ in. channel and hardware

Superstrut 1⁵/₈ in. x 1⁵/₈ in. 12 gauge channel type A

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

Superstrut 1⁵/₈ in. x 1⁵/₈ in. 12 gauge channel type A

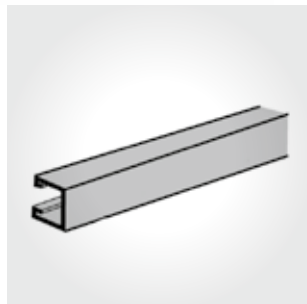
Offered in 10 or 20 ft. lengths.

Aluminum, hot-dipped galvanized or stainless steel channels are recommended to support aluminum, steel or stainless steel cable tray.

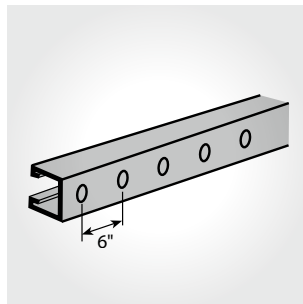
Finishes and materials

No suffix	Gold galvanized dichromate finish
PGC	Pregalvanized
HDGC	Hot-dipped galvanized
T316L	Stainless steel type 316
ALC	Aluminum
EG	Electrogalvanized

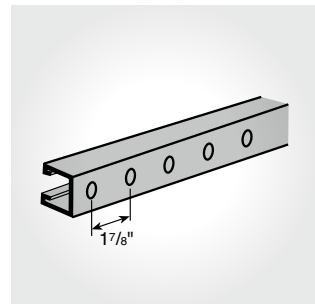
- 01 Solid base
- 02 Knockouts
- 03 Long slots
- 04 Half slots
- 05 Punched
- Back to back



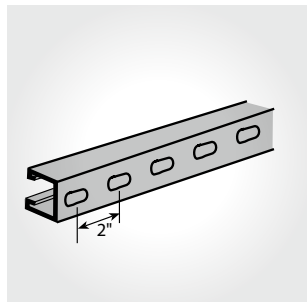
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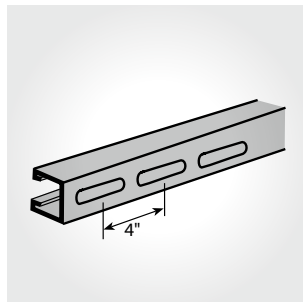
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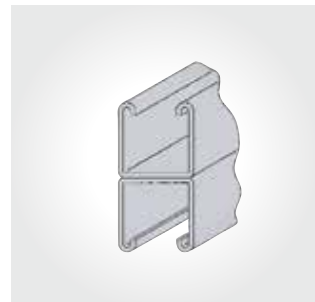
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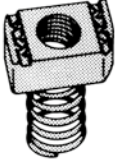

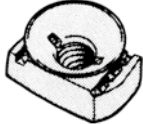


06

Superstrut support systems


Hardware

Channel nuts

	Cat. no.	Size (in.)	
	A100-1/4EGC	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	

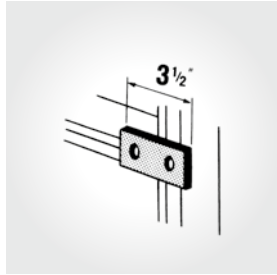
For all 1 5/8 in. and 1 1/2 in. channels; May be used with ALL strut depths.

Hex head cap screw

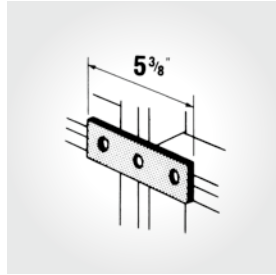
	Cat. no.	Size (in.)	
	E142-1/4x100EG	1/4 x 1	Standard finish: electrogalvanized. Available in stainless steel. Change suffix to SS6(C).
	E142-1/4x150EG	1/4 x 1 1/2	
	E142-3/8x100EG	3/8 x 1	
	E142-3/8x150EG	3/8 x 1 1/2	
	E142-1/2x100EG	1/2 x 1	
	E142-1/2x150EG	1/2 x 1 1/2	

Superstrut support systems

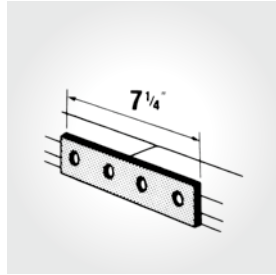
Superstrut fittings and brackets



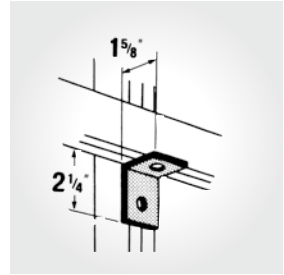
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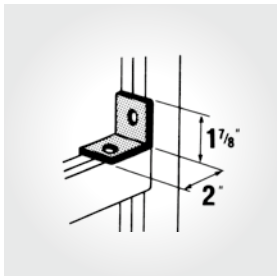
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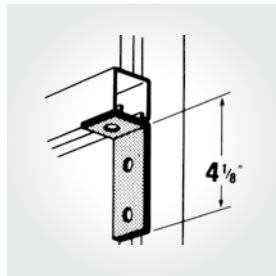
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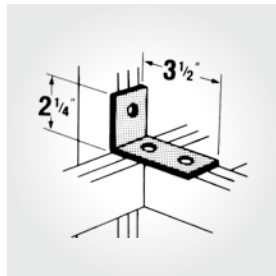
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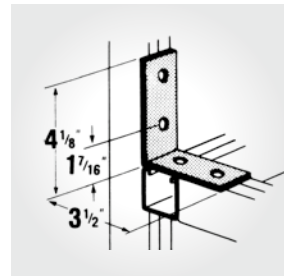
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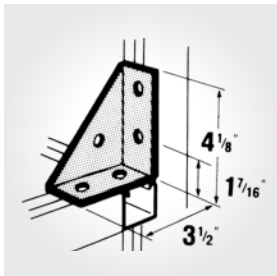
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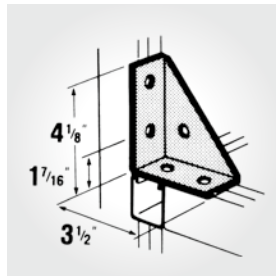
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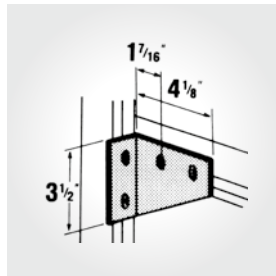
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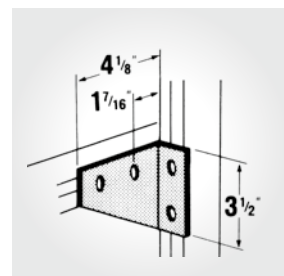
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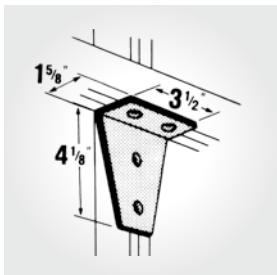
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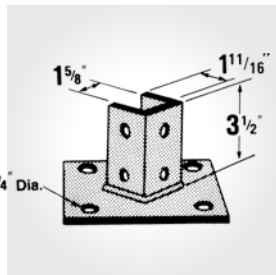
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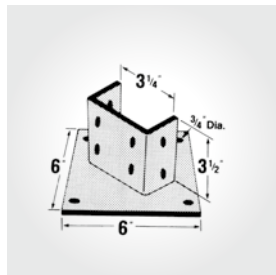
12



13



14



15

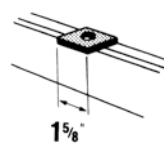
- 01 AB206HDGC
- 02 AB207HDGC
- 03 X207HDGC
- 04 AB201HDGC
- 05 AB202HDGC
- 06 AB203HDGC
- 07 AB204HDGC
- 08 AB205HDGC
- 09 AB213HDGC
- 10 AB214HDGC
- 11 AB254-LHDGC
- 12 AB254-RHDGC
- 13 X289HDGC
- 14 AP232HDG
- 15 AP235HDGC

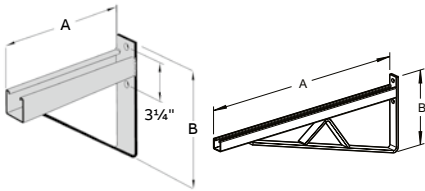
NOTE: Hot-dipped galvanized HDG(C) or stainless steel SS6(C) fittings are recommended to assemble aluminum channel. Also available in electrogalvanized (EG) and gold galvanized dichromate (no suffix). Std. dimensions: Hole spacing 1 5/8 in. from end, hole spacing 1 7/8 in. centers, hole size 3/16 in. dia., fitting width 1 5/8 in.

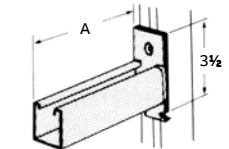
Superstrut support systems

Superstrut fittings and brackets

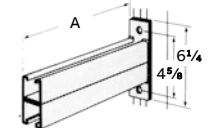
Superstrut fittings and brackets

	Cat. no.	Hole size (in.)
	AB241-1/4HDGC	1/4
	AB241-3/8HDGC	3/8
	AB241-1/2HDGC	1/2
	AB241-3/4HDGC	3/4

	Cat. no.	A (in.)	B (in.)	Design load (lb)
	S249-8HDG	8 1/2	8	1,600
	S249-14HDG	14 1/2	9	1,325
	S249-20HDG	20 1/2	9	1,000
	S249-26HDG	26 1/2	11 1/2	850
	S249-32HDG	32 1/2	11 1/2	750
	S249-38HDG	38 1/2	11 1/2	600

	Cat. no.	A (in.)	Design load (lb)
	S256-8HDG	8 1/2	1,000
	S256-14HDG	14 1/2	500
	S256-20HDG	20 1/2	300
	S256-26HDG	26 1/2	250

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

	Cat. no.	A (in.)	Design load (lb)
	S251-14HDGC	14 1/2	1,650
	S251-20HDGC	20 1/2	1,050
	S251-26HDGC	26 1/2	800
	S251-32HDGC	32 1/2	650
	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 1 3/8 in. from end, hole spacing 1 7/8 in. centers, hole size 3/8 in. dia., fitting width 1 1/8 in.

Superstrut support systems

Quick Clamp II (TBQC)

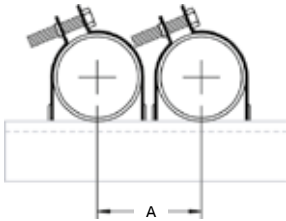


- True one-piece construction – Arrives ready to install
- NO breaking apart – Half the installation time of break apart clamps
- Integral bolt and captive nut – No separate pieces to lose
- One size fits EMT and rigid conduit – Takes the guesswork out of clamp selection
- Pipe size and catalogue number stamped right on clamp
- Attaches a complete range of EMT and rigid conduit (½ in. to 4 in.) to strut channels
- Multi-driver combo bolt head – Accepts a wrench, most screwdrivers or ½ in. nut driver
- Field-adjustable angle (±4°) – Easy installation even when strut is not square
- Embossed J-hooks increase loading capabilities
- ABB 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



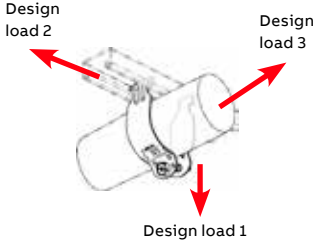
Cat. no.	EMT Dimension A in. (mm)	Rigid conduit dimension A in. (mm)
TBQC050	½ (12.7)	½ (12.7)
TBQC075	¾ (19.05)	¾ (19.05)
TBQC100	1 (44.5)	1 (44.5)
TBQC125	1 ¼ (31.75)	1 ¼ (31.75)
TBQC150	1 ½ (38.1)	1 ½ (38.1)
TBQC200	2 (50.8)	2 (50.8)
TBQC250	2 ½ (63.5)	2 ½ (63.5)
TBQC300	3 (76.2)	3 (76.2)
TBQC350	3 ½ (88.9)	3 ½ (88.9)
TBQC400	4 (101.6)	4 (101.6)



Superstrut support systems

Quick Clamp II (TBQC)

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.

Superstrut support systems

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 – $2\frac{1}{16}$ in. to $3\frac{1}{4}$ 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 ($\frac{1}{2}$ in. to 2 in.); 350 lb ($2\frac{1}{2}$ in. to 4 in.); safety factor 4:1 (safety factor = ratio of ultimate load to the design load)
- Heavy-duty $\frac{5}{16}$ 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 electrogalvanized after fabrication for additional durability



Superstrut support systems

Loc-King Cobra™ cable and pipe clamp (LKCPC)

Superior design load capabilities for industrial applications:

350 lb for ½ in. to 2 in. trade sizes; 450 lb for 2½ 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 ⅝ in. hex bolt
- One size clamp works on equal trade sizes for both EMT and rigid conduit, simplifying clamp specification



Superstrut support systems

Loc-King Cobra cable and pipe clamp (LKPCPC)

Ordering information



Cat. no.	EMT trade size in. (mm)	Rigid cond. trade size in. (mm)	Cable O.D. range (in.)	Static load limit (lb) safety factor = 4	Qty. per box	Wt./C lb	Torque value (ft.-lb)
LKCPC050	½ (12.7)	½ (12.7)	0.650–0.890	100	15	10	35
LKCPC075	¾ (19.1)	¾ (19.1)	0.860–1.110	100	16	12	35
LKCPC100	1 (25.4)	1 (25.4)	1.100–1.400	50	19	14	35
LKCPC125	1¼ (31.8)	1¼ (31.8)	1.400–1.725	50	23	16	35
LKCPC150	1½ (38.1)	1½ (38.1)	1.690–1.980	50	27	18	35
LKCPC200	2 (50.8)	2 (50.8)	1.980–2.576	50	38	24	35
LKCPC250	2½ (63.5)	2½ (63.5)	2.576–3.060	25	44	36	35
LKCPC300	3 (76.2)	3 (76.2)	3.060–3.626	25	53	42	35
LKCPC350	3½ (88.9)	3½ (88.9)	3.626–4.126	25	58	46	35
LKCPC400	4 (101.6)	4 (101.6)	4.126–4.626	25	66	50	35



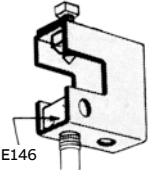
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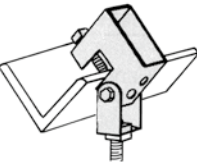
	Design load 1 static load limit lb (kg)	Design load 2 lb (kg)	Design load 3 lb (kg)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	350 (159)	50 (23)	50 (23)
	450 (204)	50 (23)	50 (23)
	450 (204)	50 (23)	50 (23)
	450 (204)	50 (23)	50 (23)

Superstrut support systems clamps and hardware

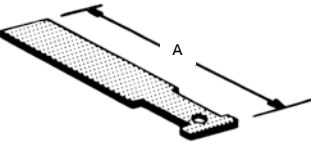
Beam clamps and hanger rods

Beam clamps and hanger rods

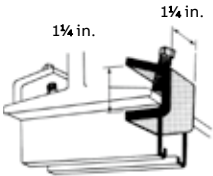
	Cat. no.	Rod size (in.)	Design load load/lb
	U562HDG	1/2	800
	UM562HDGC	1/2	1200

	Cat. no.	Rod size (in.)	Design load load/lb
	US562HDGC	1/2	800

1/2 in. set screw included.

	Cat. no.	Beam flange width (in.)	A (in.)
	U568-3EG	6	9
	U568-4EG	9	12
	U568-5EG	12	15

16 ga. material.

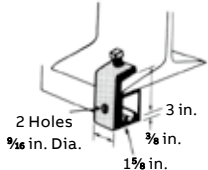
	Cat. no.	Design load load/lb
	U514HDGC	750

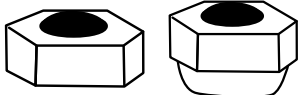
3/8 in. x 1 1/2 in. set screw included.

Superstrut support systems clamps and hardware


Beam clamps and hanger rods

Beam clamps and hanger rods

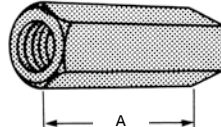
	Cat. no.	Design load load/lb
	U515HDGC	800

	Cat. no.	Size (in.)
	ES145-3/8EG	3/8
	ES145-1/2EG	1/2

	Cat. no.	Size (in.)
	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

	Cat. no.	Size (in.)	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

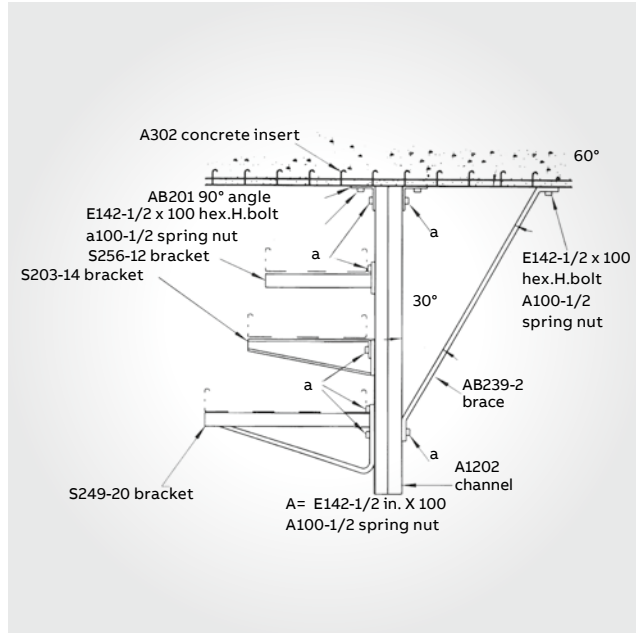
Also available in stainless steel (304 and 316) in length of 6 ft. Standard length 10 ft.

	Rod size (in.)	A (in.)
	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 3/4

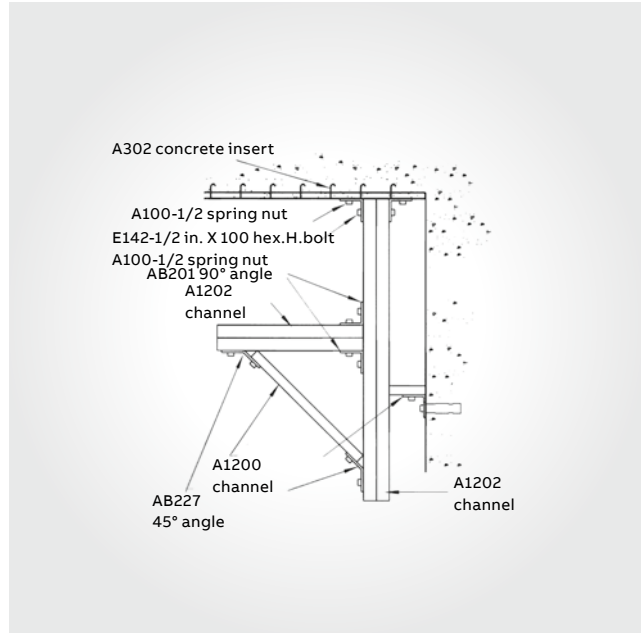
Order by product number, rod size and finish. Example: H119-1/2EGC. Finish and materials: GoldGalv dichromate (no suffix), electrogalvanized (EG), hot-dipped galvanized (HDGC), stainless steel type 316 (SS6C).

Superstrut® support systems

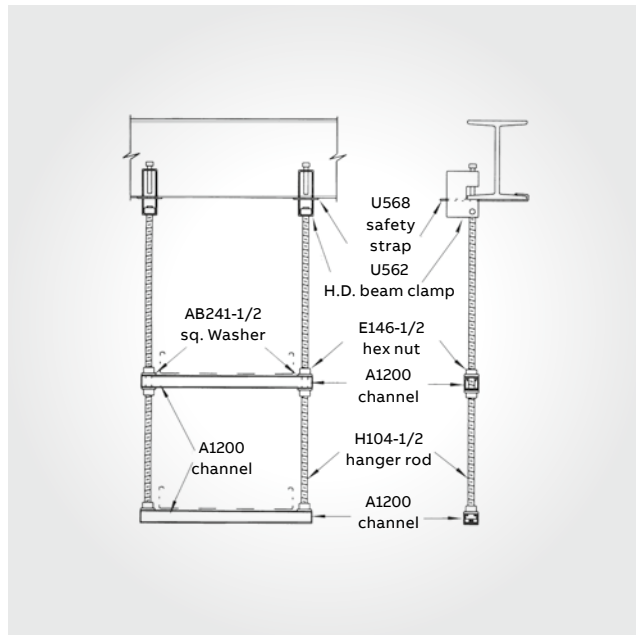
Design applications/mechanical support



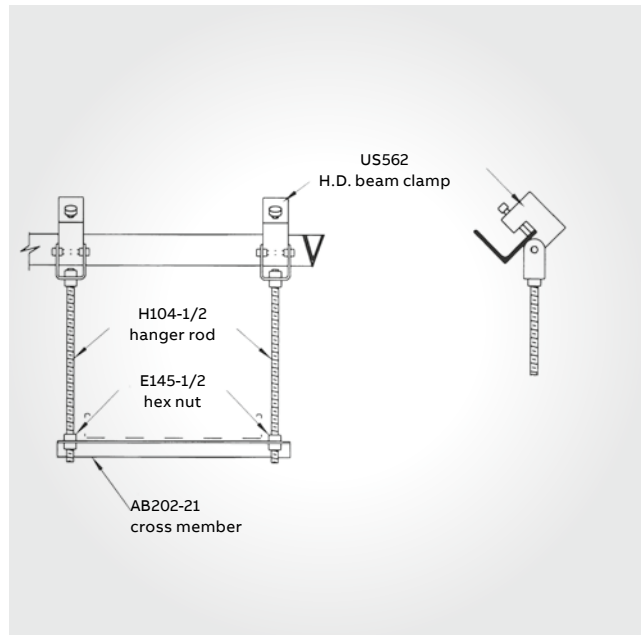
01



02



03



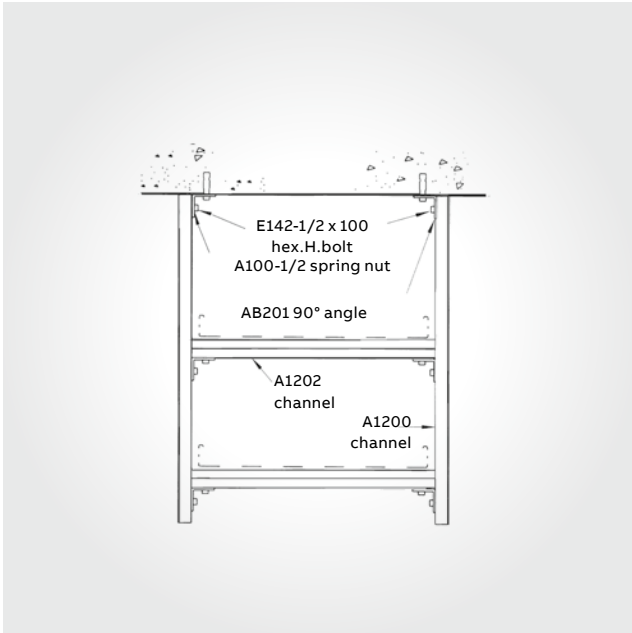
04

01 Example 1
Suspended column, carrying brackets, braced to the ceiling.

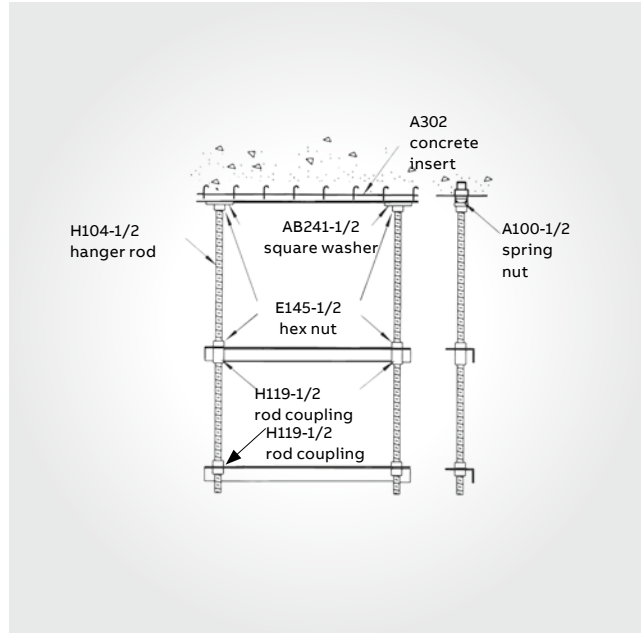
02 Example 2
Suspended column, holding bracket and console braced to wall.

03 Example 3
Trapeze, ABB channels are used as cross members.

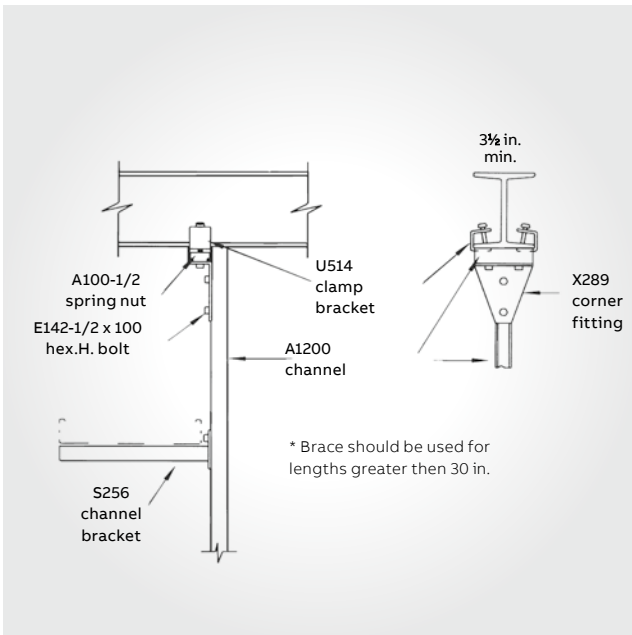
04 Example 4
Sketch depicts the use of beam clamps on slanted beams.



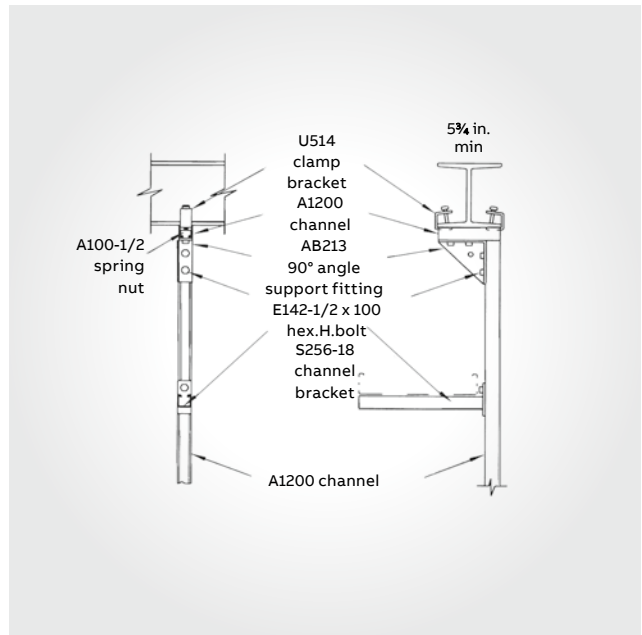
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05 Example 5
Trapeze, constructed from ABB channels, fittings. The use of spot inserts is shown.

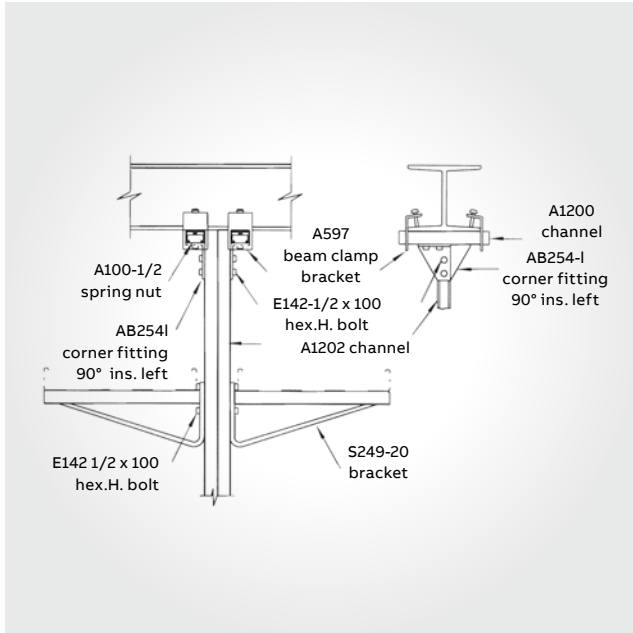
07 Example 7
Single-sided bracket application.

08 Example 8
Single-sided bracket application.

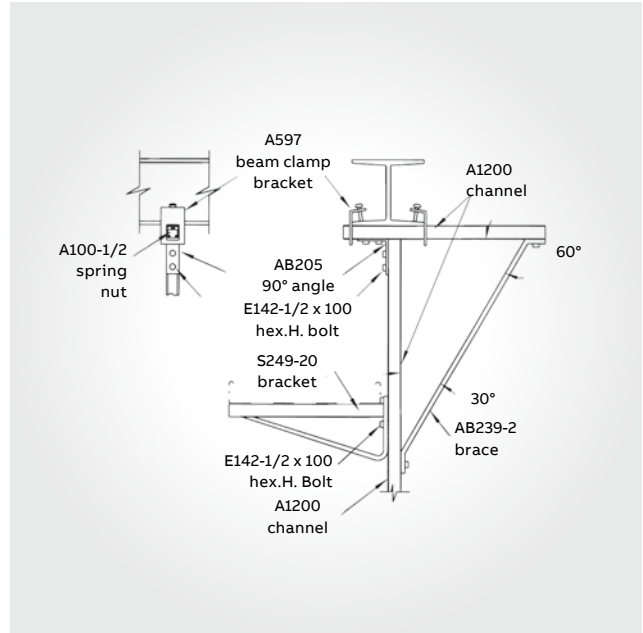
06 Example 6
Trapeze, using ABB hanger rods, cross members.

Superstrut support systems

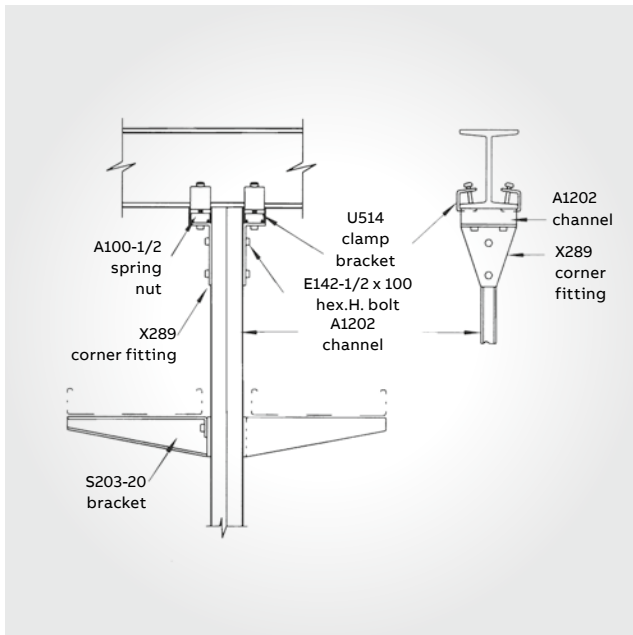
Design applications/mechanical support



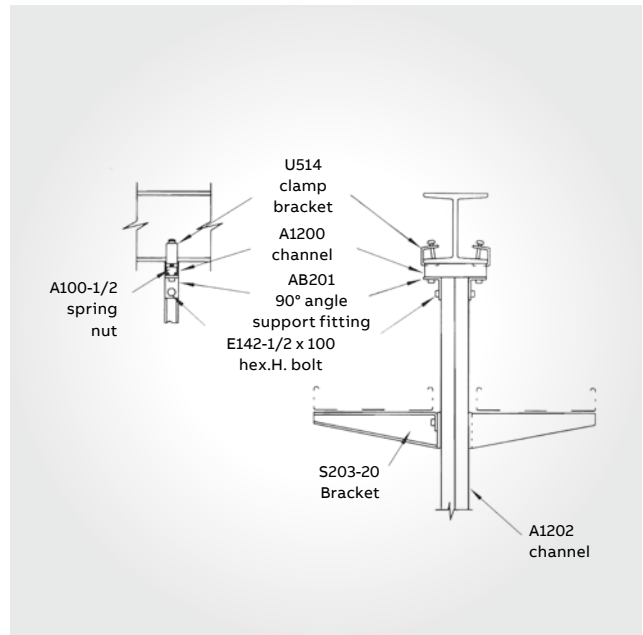
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01 **Example 9**
Two-sided heavy-duty application.

03 **Example 11**
Brackets parallel to beam.

02 **Example 10**
Heavy-duty bracket application.

04 **Example 12**
Brackets perpendicular to beam.

