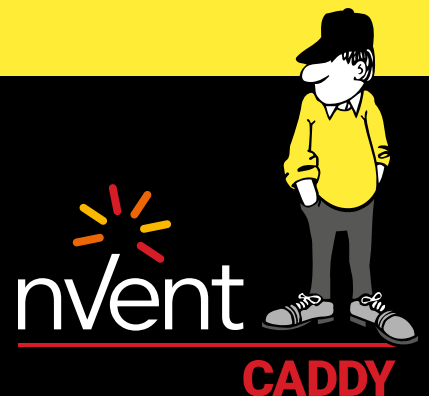




CONNECT AND PROTECT

Fixing, Fastening, and Support Products

Core Range Product Offering - Southeast Asia





At nVent, we believe that safer systems ensure a more secure world. We connect and protect our customers with inventive electrical solutions.

Just as every idea begins with a spark, we at nVent view the dawn of every sunrise as a new opportunity to ignite innovation. Our inventive solutions benefit customers around the world every day, keeping lights on, data streaming and trains running on time.

From heat trace cables to critical equipment enclosures to labor-efficient fastening systems, we empower customers to improve performance, lower costs and reduce downtime.

We are a \$2.1 billion, high-performance electrical company with a dedicated team of 9,000 people and trusted brands such as CADDY, ERICO, HOFFMAN, RAYCHEM, SCHROFF and TRACER. Known for innovation, quality and reliability, our products connect and protect, consistently delivering value to industrial, commercial, residential, energy and infrastructure customers.

While our name may be new, our products have set the standards for quality for more than a century. Today as nVent, we are focused and forward-looking, ready to build upon our legacy. The future is now.

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Structural Attachments

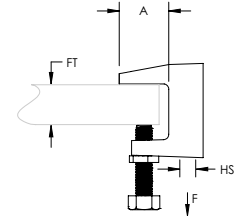
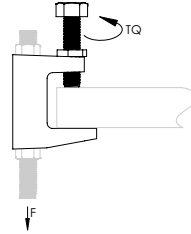


Structural Attachments

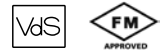
BEAM/PURLIN

300M UNIVERSAL BEAM CLAMP

- Universal beam clamp for standard beams



Material: Cast Iron
Finish: Electrogalvanized

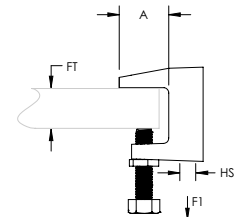
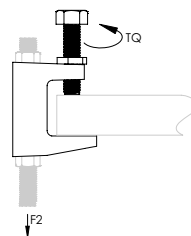


Part Number	Article Number	Hole Size	Flange Thickness	A	Torque	Static Load	Certifications	Standard Packaging Quantity
Hole Type: Plain								
30009MM	389500	9 mm	18 mm Max	21 mm	14 N-m	1,200 N	ITB, VdS_G4031026	100 pc
30011MM	389510	11 mm	20 mm Max	23 mm	14 N-m	2,500 N	FM, ITB, VdS_G4031026	100 pc
30013MM	389520	13 mm	26 mm Max	35 mm	14 N-m	3,500 N	FM, ITB, VdS_G4031026	80 pc
30017MM	389505	17 mm	28 mm Max	30 mm	14 N-m	5,500 N	FM, ITB, VdS_G4031026	50 pc

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

310M UNIVERSAL BEAM CLAMP, THICK FLANGE

- Universal beam clamp for thick beams



Material: Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Hole Size	Hole Type	Flange Thickness	A	Torque	Static Load 1	Static Load 2	Standard Packaging Quantity
31011MM	598501	11 mm	Plain	31.8 mm Max	28.6 mm	7 N-m	2,200 N	1,100 N	80 pc
31013MM	598502	13 mm	Plain	31.8 mm Max	28.6 mm	15 N-m	4,200 N	3,300 N	80 pc

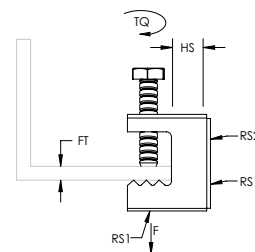
Setscrew must be tightened and torqued onto the sloped side of the I-beam.

Structural Attachments

BEAM/PURLIN

BC BEAM CLAMP

- Easy installation to beam flanges



Material: Spring Steel
Finish: nVent CADDY Armour

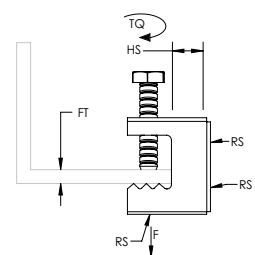


Part Number	Rod Size 1	Rod Size 2	Hole Size	Flange Thickness	Torque	Static Load	Standard Packaging Quantity
BC	1/4"	#10	10.5 mm	16 mm Max	3 N-m	440 N	100 pc

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

EBC BEAM CLAMP

- Easy installation to beam flanges



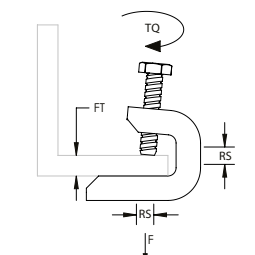
Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Rod Size	Hole Size	Flange Thickness	Torque	Static Load	Certifications	Standard Packaging Quantity
EBC	170380	M6	10.5 mm	16 mm Max	3 N-m	450 N	ITB	100 pc

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

BC200/BC400 BEAM CLAMP

- Threaded hole on back and bottom



Material: Steel
Finish: Electrogalvanized



Part Number	Rod Size	Flange Thickness	Torque	Static Load	Standard Packaging Quantity
BC200	1/4"	16.0 mm Max	3 N-m	440 N	50 pc
BC400	3/8"	19.1 mm Max	3 N-m	880 N	25 pc

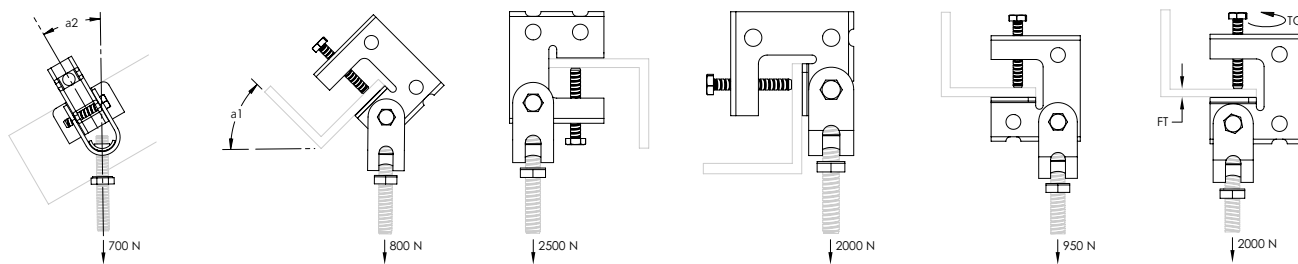
Setscrew must be tightened and torqued onto the sloped side of the I-beam.

Structural Attachments

BEAM/PURLIN

BEAM CLAMP WITH SWIVEL

- Swivel beam clamp
- Suitable for mounting onto sloped steel structures
- Includes M10 nut and washer



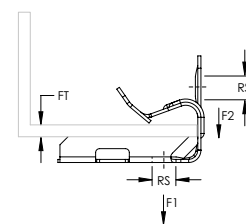
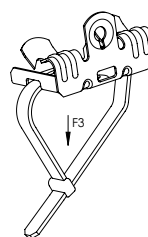
Material: Steel

Part Number	Article Number	Flange Thickness	Torque	Angle 1	Angle 2	Certifications	Standard Packaging Quantity
Finish: Electrogalvanized							
HB2	336030	24 mm Max	6 N-m	45° Min	30° Max	ITB	50 pc
Finish: Hot-Dip Galvanized							
HB2HD	336040	24 mm Max	6 N-m	45° Min	30° Max	ITB	50 pc

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

HAMMER-ON FLANGE CLIP, BOTTOM MOUNT

- Can be used to support boxes, fixtures or other applications from beam flanges
- Assorted attachment points provided to reduce inventory
- Requires only a hammer to install



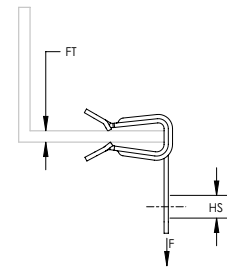
Part Number	Article Number	Flange Thickness	Rod Size	Static Load 1	Static Load 2	Static Load 3	Certifications	Standard Packaging Quantity
Material: Spring Steel – Finish: nVent CADDY Armour								
M24		3 – 8 mm	M6	440 N	330 N	110 N	cULus	100 pc
M58		8 – 14 mm	M6	440 N	330 N	110 N	cULus	100 pc
M912		14 – 20 mm	M6	440 N	330 N	110 N	cULus	100 pc
Material: Stainless Steel 301 (EN 1.4310)								
EM24S1	179720	3 – 8 mm	M6	200 N	110 N	200 N		100 pc
EM58S1	179730	8 – 14 mm	M6	200 N	110 N	200 N		100 pc
EM912S1	179740	14 – 20 mm	M6	200 N	110 N	200 N		100 pc

Structural Attachments

BEAM/PURLIN

HAMMER-ON FLANGE CLIP, SIDE MOUNT

- Provides an attachment for wire, S-hooks, chain, nVent CADDY Speed Link or other assemblies to flanges and profiles
- Fits most beams
- Installs with just a hammer



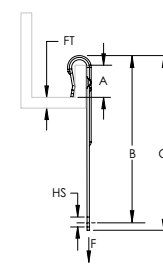
Material: Spring Steel
Finish: nVent CADDY Armour



Part Number	Article Number	Flange Thickness	Hole Size	Static Load	Certifications	Standard Packaging Quantity
2H4	170010	2 – 3 mm	7.1 mm	700 N	cULus, ITB	100 pc
4H24	170020	3 – 8 mm	7.1 mm	900 N	cULus, ITB	100 pc
4H58	170030	8 – 14 mm	7.1 mm	900 N	cULus, ITB	100 pc
4H912	170040	14 – 20 mm	7.1 mm	900 N	cULus, ITB	100 pc

VF SERIES C PURLIN CLIP

- Provides an attachment for nVent CADDY Speed Link assemblies, wire, S-hooks, or chain from purlin and bar joist
- Installs from floor with VAFT tool and conduit



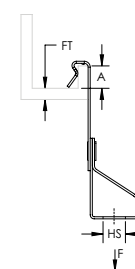
Material: Spring Steel
Finish: nVent CADDY Armour



Part Number	Article Number	Flange Thickness	A	B	C	Hole Size	Static Load	Standard Packaging Quantity
VF14	179850	1.5 – 6.0 mm	20 mm Min	80 mm	90 mm	7.1 mm	700 N	100 pc

J-TI/T ROD TO C PURLIN CLIP

- Attaches to joists and C purlin
- Supports threaded rod
- Threaded rod hanger can swivel to provide a vertical dropdown



Material: Spring Steel
Finish: nVent CADDY Armour

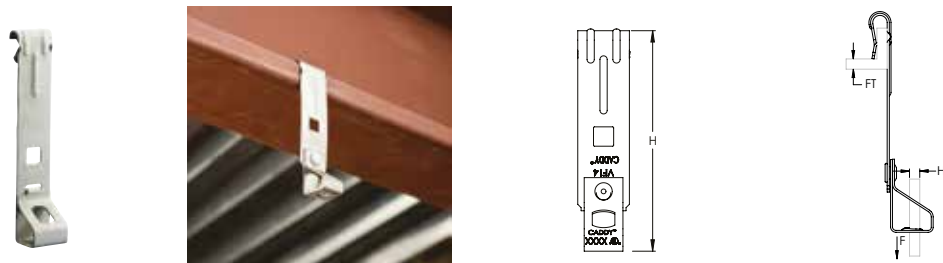
Part Number	Article Number	Hole Size	Hole Type	Flange Thickness	A	Static Load	Standard Packaging Quantity
J1T10	160220	11 mm	Plain	1.5 – 4.0 mm	10 mm Min	700 N	100 pc

Structural Attachments

BEAM/PURLIN

VF-TI/T ROD TO C-PURLIN CLIP

- Hammer-on or install from the floor with the VAFT tool
- Provides an attachment for nVent CADDY Speed Link assemblies, wire, S-hooks, or chain from purlin and bar joist



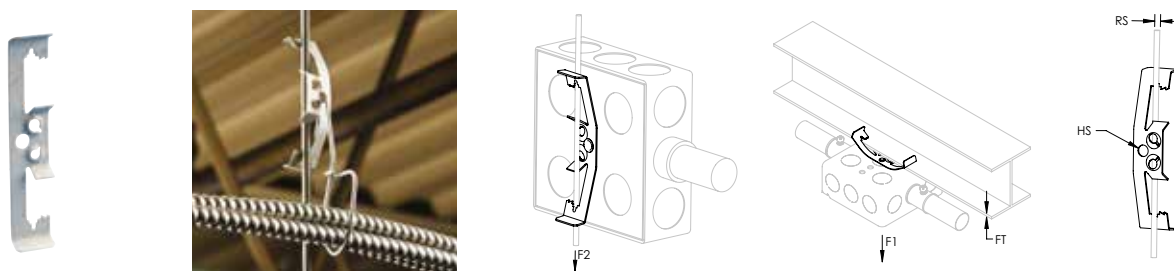
Finish: nVent CADDY Armour



Part Number	Article Number	Hole Size	Hole Type	Flange Thickness	Height	Static Load	Certifications	Standard Packaging Quantity
Material: Spring Steel								
VF146T		9.50 mm	Plain	1.5 – 6.0 mm	132 mm	700 N	cULus	100 pc
VF146TI		0.38"	Threaded	1.5 – 6.0 mm	132 mm	700 N	cULus	100 pc
Material: Steel								
VF14T10	179060	10.00 mm	Plain	1.5 – 6.0 mm	110 mm	700 N		100 pc

MULTI-FUNCTION CLIP

- Provides attachment of conduit and boxes
- Supports #10-24 and 1/4-20 threaded bridle rings



Material: Spring Steel
Finish: nVent CADDY Armour



Part Number	Article Number	Rod Size	Flange Thickness	Hole Size	Screw Included	Static Load 1	Static Load 2	Certifications	Standard Packaging Quantity
6Z34	170720	M8, M10	9 – 11 mm	6.5 mm	No	110 N	90 N	cULus, ITB	100 pc

NEC® 300.11 requires dedicated drop wire/rod and EC311.

Cable / Conduit

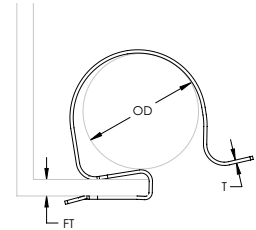


Cable/Conduit

BEAM

SC CABLE SNAP CLIP

- Easily supports cable from flanges
- Requires only a hammer to install



Material: Spring Steel
Finish: nVent CADDY Armour

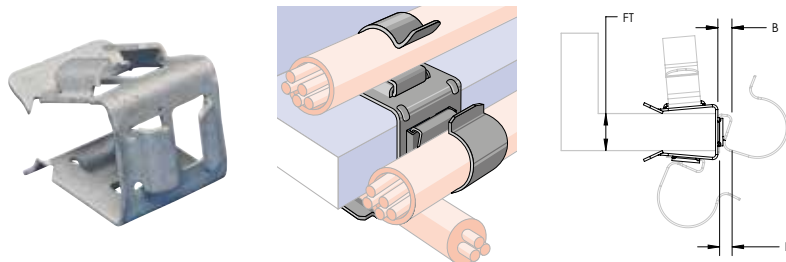
Part Number	Article Number	Flange Thickness	Outer Diameter	Thickness	Standard Packaging Quantity
24SC67	187510	2 – 4 mm	6 – 7 mm	0.6 mm	100 pc
24SC78	187710	2 – 4 mm	7 – 8 mm	0.6 mm	100 pc
24SC89	187530	2 – 4 mm	8 – 9 mm	0.6 mm	100 pc
24SC910	187750	2 – 4 mm	9 – 10 mm	0.6 mm	100 pc
24SC1011	187550	2 – 4 mm	10 – 11 mm	0.6 mm	100 pc
24SC1214	187570	2 – 4 mm	12 – 14 mm	0.6 mm	100 pc
24SC1518	187590	2 – 4 mm	15 – 18 mm	0.6 mm	100 pc
24SC1924	187610	2 – 4 mm	19 – 24 mm	0.6 mm	100 pc
24SC2530	187630	2 – 4 mm	25 – 32 mm	0.6 mm	100 pc
47SC67	187500	4 – 7 mm	6 – 7 mm	0.6 mm	100 pc
47SC78	187720	4 – 7 mm	7 – 8 mm	0.6 mm	100 pc
47SC89	187520	4 – 7 mm	8 – 9 mm	0.6 mm	100 pc
47SC910	187760	4 – 7 mm	9 – 10 mm	0.6 mm	100 pc
47SC1011	187540	4 – 7 mm	10 – 11 mm	0.6 mm	100 pc
47SC1214	187560	4 – 7 mm	12 – 14 mm	0.6 mm	100 pc
47SC1518	187580	4 – 7 mm	15 – 18 mm	0.6 mm	100 pc
47SC1924	187600	4 – 7 mm	19 – 24 mm	0.6 mm	100 pc
47SC2530	187620	4 – 7 mm	25 – 32 mm	0.6 mm	100 pc
812SC67	187640	8 – 12 mm	6 – 7 mm	0.6 mm	100 pc
812SC78	187730	8 – 12 mm	7 – 8 mm	0.6 mm	100 pc
812SC89	187650	8 – 12 mm	8 – 9 mm	0.6 mm	100 pc
812SC910	187770	8 – 12 mm	9 – 10 mm	0.6 mm	100 pc
812SC1011	187660	8 – 12 mm	10 – 11 mm	0.6 mm	100 pc
812SC1214	187670	8 – 12 mm	12 – 14 mm	0.6 mm	100 pc
812SC1518	187680	8 – 12 mm	15 – 18 mm	0.6 mm	100 pc
812SC1924	187690	8 – 12 mm	19 – 24 mm	0.6 mm	100 pc
812SC2530	187700	8 – 12 mm	25 – 32 mm	0.6 mm	100 pc

Cable/Conduit

BEAM

SCA CABLE SNAP CLIP ADAPTOR

- Use with 24SC series snap clips to accommodate thicker flanges
- Supports up to three snap clips
- Requires only a hammer to install



Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Flange Thickness	B	Standard Packaging Quantity
SCA	160510	13 – 20 mm	2 – 4 mm	100 pc

SCB CABLE SNAP CLIP ADAPTOR

- Allows for parallel cable runs along the inboard of the flange
- Use with 24SC series snap clips to accommodate thicker flanges
- Supports up to three snap clips
- Requires only a hammer to install



Material: Spring Steel
Finish: nVent CADDY Armour

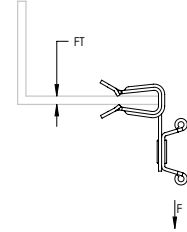
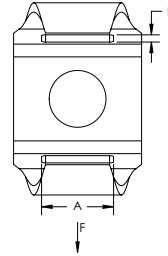
Part Number	Article Number	Flange Thickness	B	Standard Packaging Quantity
SCB312	188080	3 – 12 mm	2 – 4 mm	100 pc
SCB1220	188090	12 – 20 mm	2 – 4 mm	100 pc

Cable/Conduit

BEAM

CABLE TIE HOLDER WITH FLANGE CLIP

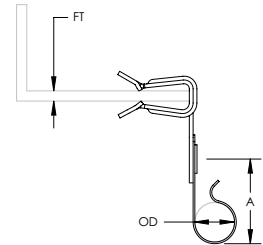
- Used to support cables from beam flanges
- Requires only a hammer to install



Part Number	Article Number	Flange Thickness	A	B	Static Load	Certifications	Standard Packaging Quantity
Material: Spring Steel – Finish: nVent CADDY Armour							
2H4CT	178510	2 – 3 mm	9 mm	2 mm	150 N	ITB	100 pc
4H24CT	178520	3 – 8 mm	9 mm	2 mm	150 N	ITB	100 pc
4H58CT	178530	8 – 14 mm	9 mm	2 mm	150 N	ITB	100 pc
4H912CT	178540	14 – 20 mm	9 mm	2 mm	150 N	ITB	100 pc
Material: Stainless Steel 301 (EN 1.4310)							
4H912CTS1	170700	14 – 20 mm	9 mm	2 mm	150 N		100 pc

CABLE TO FLANGE CLIP

- Provides support for low voltage cables
- Requires only a hammer to install



Material: Spring Steel
Finish: nVent CADDY Armour

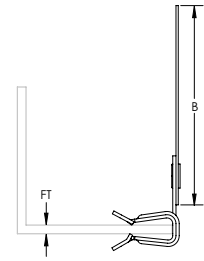
Part Number	Article Number	Flange Thickness	Outer Diameter	A	Standard Packaging Quantity
2H41012A	170460	2 – 3 mm	10.9 – 13.0 mm	25 mm	100 pc
2H41214A	170470	2 – 3 mm	12.4 – 16.0 mm	25 mm	100 pc
4H241012A	170480	3 – 8 mm	10.9 – 13.0 mm	25 mm	100 pc
4H241214A	170630	3 – 8 mm	12.4 – 16.0 mm	25 mm	100 pc

Cable/Conduit

BEAM

CABLE RETAINER STRAP WITH FLANGE CLIP

- Fastens cables to top of flange
- Requires only a hammer to install

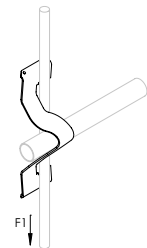
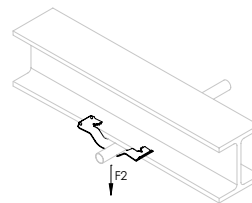
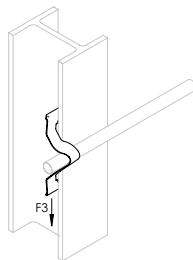


Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Flange Thickness	B	Standard Packaging Quantity
2H4ST3	173420	2 – 3 mm	69 mm	100 pc
4H24ST3	171500	3 – 8 mm	69 mm	100 pc
4H58ST3	171530	8 – 14 mm	69 mm	100 pc
4H912ST3	171640	14 – 20 mm	69 mm	100 pc

CABLE/CONDUIT CLIP

- Supports conduit to rod, wire or flange
- Can also be used for flexible metallic tubing, armored cable, portable cables, control tubes and communications cable
- Available for EMT, rigid, ENT, IMT, MC/AC and aluminum conduit
- No installation tools required



Material: Spring Steel
Finish: nVent CADDY Armour



Part Number	Article Number	Outer Diameter	Static Load 1	Static Load 2	Static Load 3	Certifications	Standard Packaging Quantity
K8	170660	18 mm Max	220 N	445 N	70 N	cULus	100 pc
K12	170670	24 mm Max	220 N	445 N	70 N	cULus, ITB	100 pc
K16	170680	30 mm Max	220 N	445 N	70 N	cULus, ITB	100 pc
K20	170690	42 mm Max	220 N	445 N	100 N	cULus, ITB	100 pc

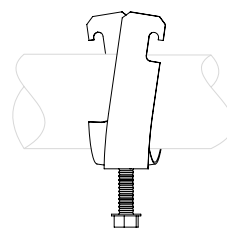
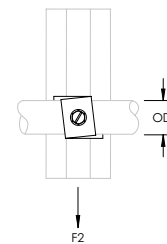
May require dedicated drop wire/rod and EC311. Consult local authority. For horizontal application only when installing conduit.

Cable/Conduit

STRUT

SCH2 SINGLE PIECE STRUT CLAMP FOR CABLE/CONDUIT

- One-piece cable/conduit clamp with protective boot
- No screws or bolts to drop
- Requires only a screwdriver or nutdriver for installation
- Fits into open side of strut channel
- FM® Specification Tested (from 1/2" to 4" of EMT Conduit Size)



Material: Steel
Finish: Electrogalvanized



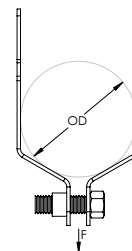
Part Number	Outer Diameter	Static Load	Certifications	Standard Packaging Quantity
SCH6B	2.5 – 16.0 mm	880 N	cULus, E30, E60, E90	100 pc
SCH8B	8.6 – 18.0 mm	880 N	cULus, E30, E60, E90	100 pc
SCH12B	14.5 – 23.4 mm	880 N	cULus, E30, E60, E90	100 pc
SCH16B	18.3 – 29.5 mm	880 N	cULus, E30, E60, E90	100 pc
SCH20B	25.4 – 38.4 mm	880 N	cULus, E30, E60, E90	100 pc
SCH24B	31.8 – 44.2 mm	1,550 N	cULus	50 pc
SCH32B	44.2 – 55.9 mm	1,550 N	cULus	50 pc
SCH40B	50.8 – 60.5 mm	1,550 N	cULus	25 pc
SCH48B	60.5 – 73.2 mm	1,550 N	cULus	25 pc
SCH56B	69.1 – 88.9 mm	1,550 N	cULus	25 pc
SCH64B	82.6 – 101.6 mm	1,550 N	cULus	10 pc
SCH72B	97.8 – 114.3 mm	1,550 N	cULus	10 pc

Cable/Conduit

STRUT

SK SINGLE PIECE STRUT CLAMP FOR CONDUIT

- One piece break apart strut clamp for EMT and Rigid conduit
- Includes thread impression and captured screw



Material: Steel
Finish: Electrogalvanized



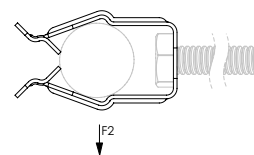
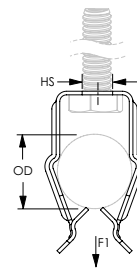
Part Number	Article Number	Outer Diameter	Width	Static Load	Standard Packaging Quantity
SK85I	190090	17.9 – 21.3 mm	32 mm	890 N	100 pc
SK125I	190000	23.4 – 26.7 mm	32 mm	890 N	100 pc
SK165I	190010	29.5 – 33.4 mm	32 mm	890 N	100 pc
SK205I	190020	38.4 – 42.2 mm	32 mm	890 N	50 pc
SK245I	190030	44.2 – 48.3 mm	32 mm	890 N	50 pc
SK325I	190040	55.8 – 60.3 mm	32 mm	890 N	50 pc
SK405I	190050	73.0 mm	32 mm	1,560 N	50 pc
SK485I	190060	88.9 mm	32 mm	1,560 N	50 pc
SK645I	190080	114.3 mm	32 mm	1,560 N	25 pc

Cable/Conduit

CLAMPS AND CLIPS

PUSH IN CONDUIT CLAMP

- Push-in installation of conduit
- Eliminates need for offset bending conduit
- May be used for either vertical or horizontal installations

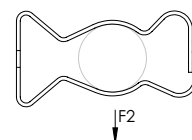
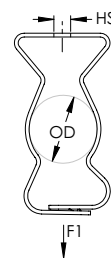


Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Outer Diameter	Hole Size	Hole Type	Ultimate Static Load 1	Ultimate Static Load 2	Standard Packaging Quantity
8P	171130	18 – 22 mm	7 mm	Plain	110 N	65 N	100 pc
12P	171150	22 – 30 mm	7 mm	Plain	110 N	65 N	100 pc
16P	171170	30 – 35 mm	7 mm	Plain	110 N	65 N	100 pc

SNAP CLOSE CONDUIT/PIPE CLAMP

- May be used for either vertical or horizontal installations
- Eliminates need for offset bending conduit
- Finger closure, no tools required



Material: Spring Steel
Finish: nVent CADDY Armour



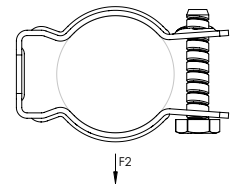
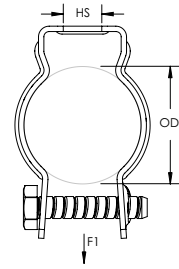
Part Number	Article Number	Outer Diameter	Hole Size	Hole Type	Static Load 1	Static Load 2	Standard Packaging Quantity
6M	170790	14 – 18 mm	7 mm	Plain	440 N	110 N	100 pc
812M	177130	18 – 30 mm	7 mm	Plain	440 N	110 N	100 pc
16M	170100	30 – 35 mm	7 mm	Plain	440 N	110 N	100 pc
20M	170110	35 – 42 mm	7 mm	Plain	440 N	110 N	100 pc
24M	170120	42 – 50 mm	7 mm	Plain	440 N	110 N	100 pc
32M	170130	50 – 60 mm	7 mm	Plain	440 N	110 N	100 pc

Cable/Conduit

CLAMPS AND CLIPS

BOLT CLOSE CONDUIT/PIPE CLAMP

- Retained bolt and built-in nut means there are less parts to handle or drop
- Combo head bolt works with slotted, hex, #3 phillips or #2 robertson drivers



Material: Steel
Finish: Electrogalvanized



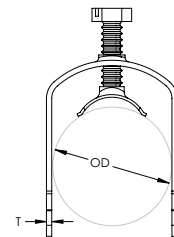
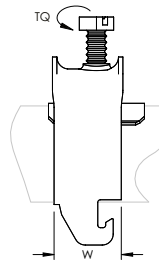
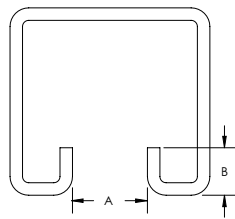
Part Number	Article Number	Outer Diameter	Hole Size	Static Load 1	Static Load 2	Certifications	Standard Packaging Quantity
Nut Type: Built-In Nut							
CD0B	181140	17 – 22 mm	6.4 mm	880 N	220 N	cULus	100 pc
CD1B	181190	19 – 25 mm	6.4 mm	880 N	220 N	cULus, ITB	100 pc
CD2B	181150	25 – 33 mm	6.4 mm	880 N	220 N	cULus	100 pc
CD2.5B	181370	31 – 38 mm	6.4 mm	880 N	220 N	cULus	100 pc
CD3B	181380	36 – 43 mm	6.4 mm	880 N	220 N	cULus, ITB	100 pc
CD4B	181390	45 – 48 mm	9.5 mm	880 N	220 N	cULus, ITB	50 pc
CD5B	181470	49 – 73 mm	7.9 mm	880 N	220 N	cULus, ITB	50 pc
Nut Type: Hex Nut							
CD6B	181480	66 – 76 mm	7.9 mm	1,550 N	220 N		25 pc
CD7B	181490	80 – 90 mm	7.9 mm	1,550 N	220 N		25 pc
CD8B	181500	95 – 105 mm	7.9 mm	1,550 N	220 N		10 pc
CD9B	181540	108 – 115 mm	7.9 mm	1,550 N	220 N		10 pc

Cable/Conduit

CLAMPS AND CLIPS

C-EC CABLE TO STRUT CLAMP

- One-piece cable/conduit clamp with protective boot
- No screws or bolts to drop
- Requires only a screwdriver or nutdriver for installation
- Fits into open side of strut channel



Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	Outer Diameter	Torque	A	B	Standard Packaging Quantity
C12EC	337600	8 – 12 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C16EC	337610	12 – 16 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C20EC	337620	16 – 20 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C24EC	337630	20 – 24 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C28EC	337640	24 – 28 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C32EC	337650	28 – 32 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C36EC	337660	32 – 36 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C40EC	337670	36 – 40 mm	2 N-m	18 mm Min	10 mm Max	100 pc
C44EC	337680	40 – 44 mm	4 N-m	18 mm Min	10 mm Max	100 pc
C48EC	337690	44 – 48 mm	4 N-m	18 mm Min	10 mm Max	100 pc
C52EC	337700	48 – 52 mm	4 N-m	18 mm Min	10 mm Max	50 pc
C56EC	337710	52 – 56 mm	4 N-m	18 mm Min	10 mm Max	50 pc
C60EC	337720	56 – 60 mm	4 N-m	18 mm Min	10 mm Max	50 pc
C64EC	337730	60 – 64 mm	4 N-m	18 mm Min	10 mm Max	50 pc
C70EC	337740	64 – 70 mm	4 N-m	18 mm Min	10 mm Max	50 pc
C76EC	337750	70 – 76 mm	4 N-m	18 mm Min	10 mm Max	25 pc
C82EC	337760	76 – 82 mm	4 N-m	18 mm Min	10 mm Max	25 pc
C88EC	337770	82 – 88 mm	4 N-m	18 mm Min	10 mm Max	25 pc
C94EC	337780	88 – 94 mm	4 N-m	18 mm Min	10 mm Max	25 pc
C100EC	337790	94 – 100 mm	4 N-m	18 mm Min	10 mm Max	25 pc

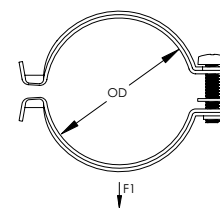
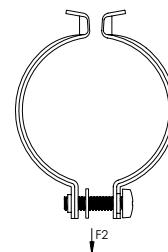
Screw is electrogalvanized on clamps that have an outer diameter of 40 mm or less.

Cable/Conduit

CLAMPS AND CLIPS

PIPE/CABLE CLAMP

- Captive threaded stud minimizes the need for additional hardware
- With the UNICBAND Sign Support Bracket and Ficoband Strap, attachments to pipe and pole can be made
- Attaches to Multi-Function C-Clamp



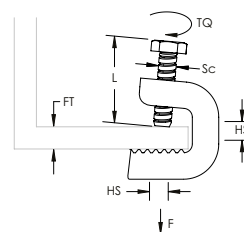
Part Number	Article Number	Pipe Size	NB/DN	Outer Diameter	Width	Static Load 1	Static Load 2	Standard Packaging Quantity
Material: Stainless Steel 304 (EN 1.4301)								
CR087S4	336422	7/8"		32.0 – 34.0 mm	16 mm	125 N	550 N	100 pc
CR100S4	336430	1"	25	33.7 – 38.0 mm	20 mm	250 N	550 N	50 pc
Material: Steel, Stainless Steel 304 (EN 1.4301) – Finish: Hot-Dip Galvanized								
CR037HD	336300	3/8"	10	16.0 – 20.0 mm	16 mm	125 N	550 N	100 pc
CR050HD	336310	1/2"	15	20.0 – 25.0 mm	16 mm	125 N	550 N	100 pc
CR075HD	336320	3/4"	20	26.9 – 31.8 mm	16 mm	125 N	550 N	100 pc
CR087HD	336322	7/8"		32.0 – 34.0 mm	16 mm	125 N	550 N	100 pc
CR100HD	336330	1"	25	33.7 – 38.0 mm	20 mm	250 N	550 N	50 pc
CR125HD	336340	1 1/4"	32	40.0 – 44.5 mm	20 mm	250 N	550 N	50 pc
CR150HD	336350	1 1/2"	40	47.0 – 51.0 mm	20 mm	250 N	550 N	50 pc
CR200HD	336360	2"	50	59.2 – 63.5 mm	20 mm	250 N	550 N	25 pc

Cable/Conduit

CLAMPS AND CLIPS

MULTI-FUNCTION C-CLAMP

- Multi-functional beam clamp
- Use with Cable/Conduit/Pipe Clamp or Square Washer for Multi-Function C-Clamp

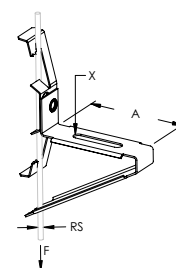


Part Number	Article Number	Flange Thickness	Hole Size	Screw Diameter	Screw Length	Torque	Static Load	Standard Packaging Quantity
Material: Stainless Steel 304 (EN 1.4301)								
C20S4	336130	4 – 20 mm	14 mm	M6	25 mm	3 N-m	1,100 N	100 pc
C30S4	336140	17 – 30 mm	14 mm	M8	30 mm	3 N-m	1,100 N	100 pc
Material: Steel – Finish: Hot-Dip Galvanized								
C20HD	336100	4 – 20 mm	14 mm	M6	25 mm	3 N-m	1,100 N	100 pc
C30HD	336110	17 – 30 mm	14 mm	M8	30 mm	3 N-m	1,100 N	100 pc
C45HD	336120	30 – 44 mm	14 mm	M8	30 mm	3 N-m	1,100 N	50 pc

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

CABLE TRAY TO ROD CLIP

- Supports cable tray up to 68mm wide



Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Rod Size	A	X	Static Load	Certifications	Standard Packaging Quantity
4Z34CTS	172950	M4, M6, M8	68 mm	35 x 6.5 mm	90 N	ITB	50 pc
6Z34CTS	172960	M8, M10, M12	68 mm	35 x 6.5 mm	90 N	ITB	50 pc

Ceiling / Acoustical

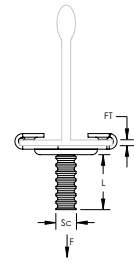


Ceiling/Acoustical

T-GRID TWIST CLIPS

4G16 TWIST CLIP WITH STUD

- Supports electrical fixtures from acoustical T-grid
- No tools required for installation
- Fast, easy and secure twist-on installation
- Nut sold separately



Material: Spring Steel, Steel
 Finish: nVent CADDY Armour
 Color: Gray

Part Number	Article Number	Flange Thickness	T-Grid Size	Screw Diameter	Screw Length	Static Load	Standard Packaging Quantity
4G16M38	171890	1.5 mm	24 mm	M6	38 mm	220 N	100 pc

4G16 TWIST CLIP WITH WING NUT

- Supports electrical fixtures from acoustical T-grid
- No tools required for installation
- Fast, easy and secure twist-on installation
- Wing nut included



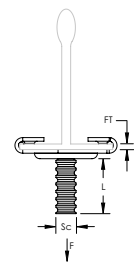
Material: Spring Steel
 Finish: nVent CADDY Armour



Part Number	T-Grid Size	Screw Diameter	Screw Length	Static Load	Standard Packaging Quantity
4G16	24 mm	M6	14.3 mm	220 N	100 pc

4G24 TWIST CLIP WITH STUD

- Supports electrical fixtures from acoustical T-grid
- No tools required for installation
- Fast, easy and secure twist-on installation
- Designed to reduce scratching of T-grid
- Nut sold separately



Material: Spring Steel, Steel
 Finish: nVent CADDY Armour
 Color: Gray

Part Number	Article Number	Screw Length	Flange Thickness	T-Grid Size	Screw Diameter	Static Load	Certifications	Standard Packaging Quantity
4G24M11	171680	11 mm	1.5 mm	24 mm	M6	220 N	ITB	100 pc

nVent CADDY Rod Lock



nVent CADDY Rod Lock

Off-site fabrication (sometimes called modular fabrication) is the process that allows for parts to arrive at a job site preassembled. More and more, contractors are leveraging the efficiencies provided by off-site fabrication, including

- cost savings
- better time management
- safer installations

These benefits apply to a variety of projects, regardless of size or scope.

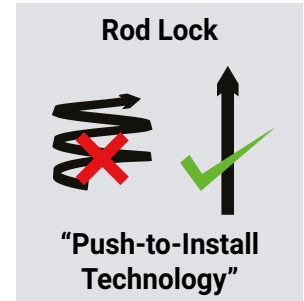
Historically, complex assemblies were built on-site at the location where they were to be mounted. Installers, therefore, required constant access to the job site in order to keep a project moving according to schedule.

With off-site fabrication, assembly is completed in a space devoted to the production and storage of components. By completing these tasks off-site, contractors can mass-produce assemblies used in similar projects, and on-site installers can focus exclusively on mounting the finished product.

Today, contractors can leverage a range of emerging solutions that allow for new and unique ways to fabricate off-site. While the process may require a new approach to processes such as purchasing, creating and installing assemblies—as well as hardware used during the mounting of a finished piece—off-site fabrication yields countless benefits.

In today's competitive construction market, contractors must provide quality work while lowering labor costs and project time and adhering to safety standards.

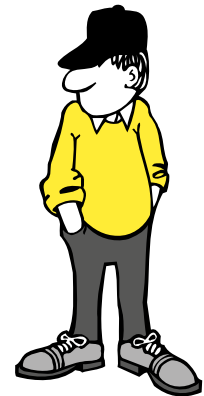
The Rod Lock “Push-to-Install” technology allows modular fabrication of complex assemblies off-site or on the ground. Large assemblies can simply then be lifted and locked into place.



The process requires less time on the job site, allowing for more tasks to be completed in a controlled off-site facility. As a result, off-site fabrication reduces installation costs, enables schedule flexibility and improves safety.

While results may vary based on specific product and application, studies have shown the unique features of the Rod Lock system help reduce the installation time of threaded rod by up to **52 percent** compared to conventional fasteners.

Internal studies have indicated time savings of up to 69% with one person installing a 2-tier trapeze with Rod Lock Strut (compared to traditional installation).



For both contractors and their clients, off-site fabrication offers a host of benefits—chief among these is time savings. In fact, modular fabrication makes schedule compression possible by as much as 18 percent. While this includes the ability to complete a job more quickly, other time related perks should be noted.

More Lead Time

Contractors can plan for projects sooner, and installers can prepare pieces in advance at the off-site shop. They can then quickly install assemblies, requiring less time at the job site.

Less Downtime

Workers can fill gaps in their schedules with projects in the off-site shop. Contractors and installers can rely on more consistent and efficient work schedules.

Schedule Flexibility

To combat restrictions of job site schedules or city ordinances, a majority of prefab work can be completed off-site. Off-site shops can run anytime day or night, allowing for quicker turnaround and enabling the contractor to have greater control over the team's project schedule.

Structure vs. Load

Having the right hardware can make a modular fabrication assembly even more efficient during installation.

Structural attachments are ideal for on-site (partial) off-site fabrication projects, reducing the time spent in the air. Additionally, they are height-adjustable at the structure, but different trapezes can be more difficult to readjust. These attachments are most often used on heavier modules.

Supports are ideal for off-site (full) off-site fabrication projects. They are height-adjustable at the load, and the height for each tier can easily be altered. These are lighter modules, offering easier transportation. Additionally, they allow for prefab using fire-rating structural attachments.

Air Duct Installation

Rectangular duct can be installed two ways using off-site fabrication: attaching directly to the duct or attaching the duct to strut. In both situations, Rod Lock “push-to-install” technology enables easy installation of preassembled pieces.

When attaching directly to the duct, installers should screw Rod Lock Duct Brackets into the side of the duct. Threaded rod should be attached at structure, and the duct assemblies are easily lifted and locked into place.

In strut mounted applications, duct is attached to Rod Lock Strut and the strut is pushed onto the threaded rods.



Pipe Rack Installation

Known Rod Spacing

When installing to a specific rod spacing, the best option is Rod Lock Strut. The pipe runs can be easily lifted and locked into place using Rod Lock “Push-to-Install” technology. It is available for widths of 600-1100mm, and ordered in advance to the desired pre-cut length – eliminating the need for handling long lengths of strut and all the cumbersome activities associated to it.

Unknown Rod Spacing

To install with unknown rod spacing, contractors should use the Rod Lock Telescoping Strut Replacement. The part has Rod Lock hardware at each end of the bar, but can telescope between 318-508mm, and eliminates the need for cutting strut.

Retrofitting

When fabricating off-site retrofit runs of conduit, attach pipe to a TSR1220R. This retrofit version of the Telescoping Strut Replacement can be placed above an existing trapeze and held in place with four nVent CADDY SN Nuts.



The spacing between pipes across the channel needs to be the same so that they meet up with each other when the individual runs are installed. It is recommended that installers use custom wooden jigs with notches at the spacing for each piece. They can be easily made on the jobsite with pieces of wood and customized for individual situations.

The channel is laid next to the jig and the pipe is attached to it. A variety of CADDY fasteners can be used to hold the pipes to the channel. This process is repeated based on the number of runs needed for the total length of pipe on the project.

The threaded rod is attached at structure in advance.

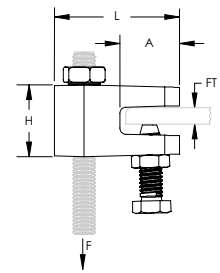
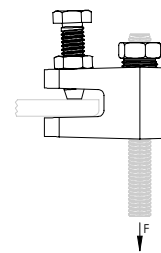
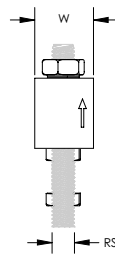


nVent CADDY Rod Lock Threaded Rod Mounting System

NVENT CADDY ROD LOCK STRUCTURAL ATTACHMENTS

NVENT CADDY ROD LOCK BEAM CLAMP

- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Lock nut can be finger tightened, locking the rod in place
- Works with slightly damaged threads and minor burrs on the threaded rod
- Conforms with Federal Specification WW-H-171 (Type 23), Manufacturers Standardization Society ANSI®/MSS-SP-58 (Type 19 and 23)



Material: Cast Iron
Finish: Electrogalvanized



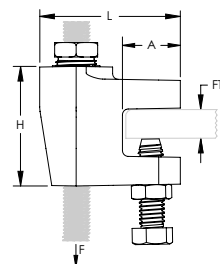
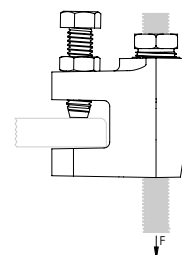
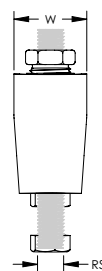
Part Number	Article Number	Rod Size	Flange Thickness	Certifications	Standard Packaging Quantity
CRLBM10EG	390002	M10	3 – 10 mm	cULus, ITB, VdS	25 pc

Height	Length	Width	A	Static Load 1	Static Load 2
30 mm	52.3 mm	25.3 mm	24.9 mm	1,100 N	2,200 N

For use on plain and electro zinc plated hardware only. Static Load 1 represents 1/8" to 3/16" (3 mm to 5 mm) flange thickness. Static Load 2 represents 1/4" to 3/8" (6 mm to 10 mm) flange thickness.

NVENT CADDY ROD LOCK BEAM CLAMP, THICK FLANGE

- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Lock nut can be finger tightened, locking the rod in place
- Works with slightly damaged threads and minor burrs on the threaded rod
- Conforms with Federal Specification WW-H-171 (Type 23), Manufacturers Standardization Society ANSI®/MSS-SP-58 (Type 19 and 23)



Material: Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Rod Size	Flange Thickness	Height	Length	Width	A	Static Load	Standard Packaging Quantity
CRLBM12EG	390023	M12	9.5 – 20.0 mm	53.3 mm	61.6 mm	33 mm	25.4 mm	4,400 N	25 pc

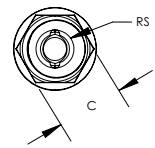
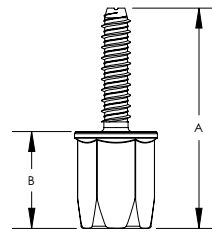
For use on plain and electro zinc plated hardware only. FM® Approved in the bottom mount orientation only.

nVent CADDY Rod Lock Threaded Rod Mounting System

NVENT CADDY ROD LOCK STRUCTURAL ATTACHMENTS

NVENT CADDY ROD LOCK ANCHOR SCREW

- For use with concrete and solid brick
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Works with slightly damaged threads and minor burrs on the threaded rod



Material: Steel
Finish: Electrogalvanized



Part Number	Article Number	Rod Size	A	B	C	Drill Bit Diameter	Drill Hole Depth	Static Load	Certifications	Standard Packaging Quantity
CRLAM10EG	390010	M10	72 mm	32 mm	22 mm	8 mm	50 mm	2,900 N	FM, ITB	25 pc

For use on plain and electro zinc plated hardware only. Tested in 3000 psi (20.67 MPa) concrete.

NVENT CADDY ROD LOCK ANCHOR SCREW DRIVE SOCKET

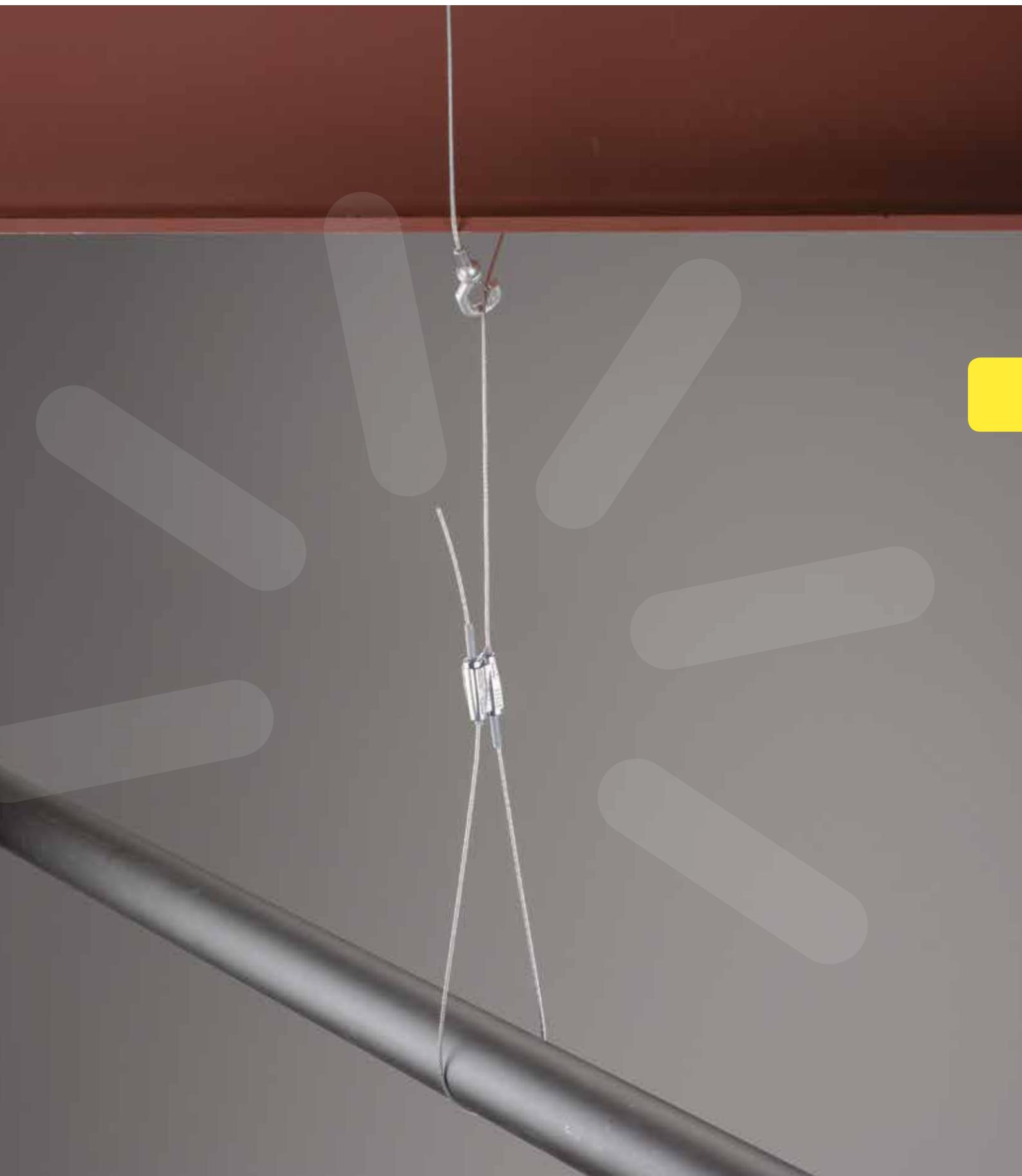
- Drive socket for quick installation of nVent CADDY Rod Lock Anchor Screw



Material: Steel

Part Number	Socket Width	Standard Packaging Quantity
CRLAKITA	22 mm	10 pc

nVent CADDY Speed Link



WIRE ROPE —SUPPORT SYSTEMS—

AN EXAMINATION OF THE UNIQUE ADVANTAGES OF WIRE ROPE SUPPORT SYSTEMS IN MECHANICAL, ELECTRICAL AND DATACOM INSTALLATIONS.

Benefits of a Wire Rope Support System



Cable support systems offer a unique combination of advantages that benefit almost any contracting project.

CONTRACTORS USE WIRE ROPE SUPPORT SYSTEMS BECAUSE THEY ARE LIGHTWEIGHT, SAFE, EFFECTIVE AND EASY TO INSTALL. WHILE MOST COMPARABLE METHODS ARE DESIGNED FOR A SPECIFIC APPLICATION, WIRE ROPE SYSTEMS EXCEL IN FOUR KEY AREAS:

ADAPTABILITY: Unlike other support systems, wire rope can be easily adapted to work with a variety of applications. The system appears very simple, but can be easily modified to hang rectangular duct, spiral duct, piping, basket tray, light fixtures and almost any other application that hangs from the ceiling. When cable supports are used for multiple applications on a jobsite, it greatly reduces the number of different products and tools that are needed, reduces waste, and simplifies purchasing.

FLEXIBILITY: Steel cable is incredibly flexible and allows for assemblies to be supported from a variety of angles. Unlike other methods that can be rigid and demand timely measurement, wire rope gives installers more slack when installing.

SPEED: Traditional support methods can make installing large assemblies very difficult. However, wire rope systems can be very quickly installed. Other hanging methods like jack chain, metal strap and threaded rod, need to be measured, cut, and installed using several tools. Wire rope systems are much easier to adjust and eliminate many of the time consuming tasks required for other installation methods.

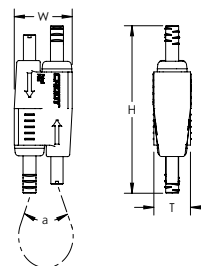
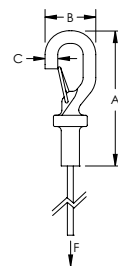
ADJUSTABILITY: Installers can easily make fine adjustments with a wire rope support system by unlocking the wire from the locking device, moving the assembly and relocking the wire. Additionally, even load distribution between several supports can be easily and quickly checked by measuring cable tension the same way a contractor would measure tension on a V-Belt.

nVent CADDY Speed Link Universal Support System

NVENT CADDY SPEED LINK SLK SYSTEM

NVENT CADDY SPEED LINK SLK WITH HOOK

- Complete system includes wire, locking device and pre-assembled hook end fitting
- Hooks to a wide range of nVent CADDY fasteners
- Fastens to the building structure or hanging services by looping around and hooking to wire rope
- Easy to remove for applications requiring maintenance
- Spring latch helps provide secure connection
- Insert cable through hole and use bottom side of hook as an end stop
- Also available in Y-hook configuration



Material: Steel, Polypropylene, Zinc Alloy
 Finish: Electrogalvanized
 Static Load Safety Factor: 5:1



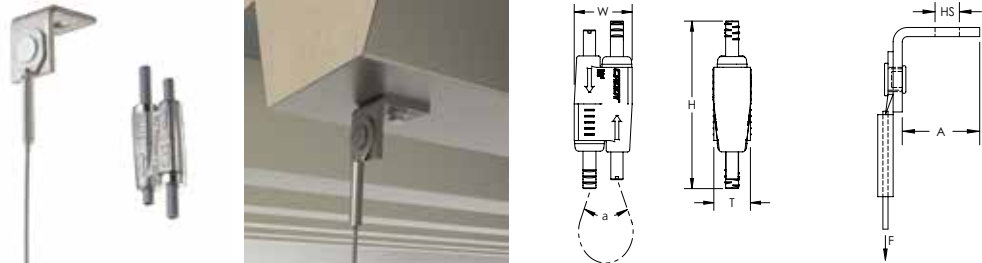
Part Number	Article Number	Wire Rope Length	A	B	C	H	W	T	a	F	Standard Packaging Quantity
Wire Rope Diameter: 1.5 mm											
SLK15L1	196508	1	48.0	18.0	4.5	55	19	12.5	90 Max	195	20 pc
SLK15L2	196509	2	48.0	18.0	4.5	55	19	12.5	90 Max	195	20 pc
SLK15L3	196510	3	48.0	18.0	4.5	55	19	12.5	90 Max	195	20 pc
SLK15L5	196511	5	48.0	18.0	4.5	55	19	12.5	90 Max	195	20 pc
SLK15L10	196513	10	48.0	18.0	4.5	55	19	12.5	90 Max	195	20 pc
Wire Rope Diameter: 2.0 mm											
SLK2L1	196537	1	57.0	20.0	5.5	55	19	12.5	90 Max	440	10 pc
SLK2L2	196538	2	57.0	20.0	5.5	55	19	12.5	90 Max	440	10 pc
SLK2L3	196539	3	57.0	20.0	5.5	55	19	12.5	90 Max	440	10 pc
SLK2L5	196540	5	57.0	20.0	5.5	55	19	12.5	90 Max	440	10 pc
SLK2L10	196542	10	57.0	20.0	5.5	55	19	12.5	90 Max	440	10 pc
Wire Rope Diameter: 3.0 mm											
SLK3L2	196701	2	57.6	23.2	6.1	62	24	16.0	90 Max	890	10 pc
SLK3L3	196702	3	57.6	23.2	6.1	62	24	16.0	90 Max	890	10 pc
SLK3L5	196703	5	57.6	23.2	6.1	62	24	16.0	90 Max	890	10 pc
SLK3L10	196705	10	57.6	23.2	6.1	62	24	16.0	90 Max	890	5 pc

nVent CADDY Speed Link Universal Support System

NVENT CADDY SPEED LINK SLK SYSTEM

NVENT CADDY SPEED LINK SLK WITH ANGLE BRACKET

- Complete system includes wire, locking device and pre-assembled angle bracket end fitting
- Ideal for attaching to concrete, steel or wood surfaces
- Simple alternative to jack chain and additional hardware



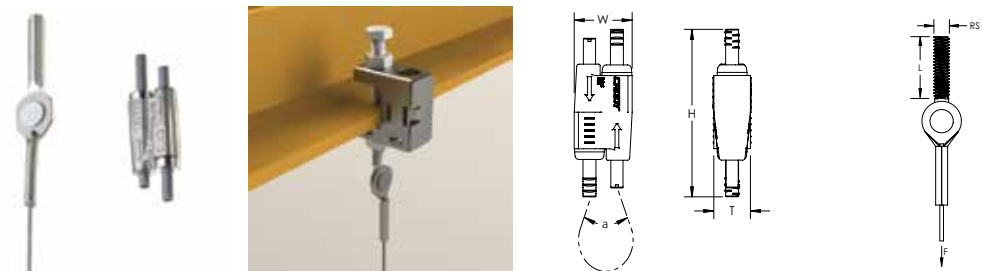
Material: Steel, Zinc Alloy, Polypropylene
 Finish: Electrogalvanized
 Static Load Safety Factor: 5:1
 Complies With: SMACNA HVAC-DCS



Part Number	Article Number	Wire Rope Length	Static Load	Certifications	Standard Packaging Quantity
Wire Rope Diameter: 2 mm					
SLK2L3AB	196530	3 m	440 N	cULus, ITB	10 pc
SLK2L5AB	196531	5 m	440 N	cULus, ITB	10 pc
Wire Rope Diameter: 3 mm					
SLK3L10AB	196716	10 m	890 N		5 x 5 pc
A	Hole Size	Height	Width	Thickness	Angle
22.6 mm	7.1 mm	55 mm	19 mm	12.5 mm	90° Max

NVENT CADDY SPEED LINK SLK WITH THREADED STUD END

- Complete system includes wire, locking device and pre-assembled threaded stud end fitting
- Attaches to structures with threaded anchors or devices with threaded hole
- Connects directly to threaded devices in trapeze assemblies, light fixtures, HVAC assemblies or signage



Material: Steel, Polypropylene, Zinc Alloy
 Finish: Electrogalvanized
 Static Load Safety Factor: 5:1
 Complies With: SMACNA HVAC-DCS



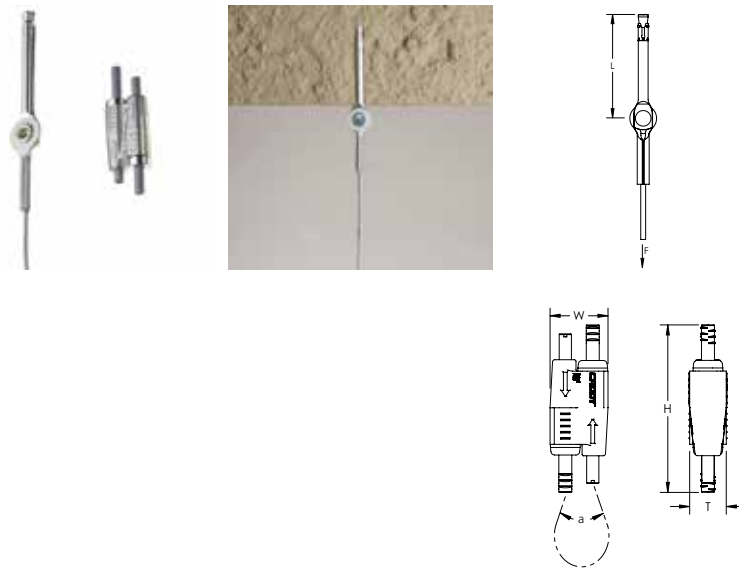
Part Number	Article Number	Wire Rope Length	Rod Size	Static Load	Certifications	Standard Packaging Quantity
Wire Rope Diameter: 2 mm						
SLK2L3SEM8	196561	3 m	M8	440 N	cULus	10 pc
SLK2L5SEM8	196563	5 m	M8	440 N	cULus	10 pc
Wire Rope Diameter: 3 mm						
SLK3L2SEM10	196718	2 m	M10	890 N		10 x 10 pc
SLK3L3SEM10	196719	3 m	M10	890 N		5 x 10 pc
SLK3L5SEM10	196720	5 m	M10	890 N		5 x 10 pc
Screw Length	Height	Width	Thickness	Angle		
22.6 mm	7.1 mm	55 mm	12.5 mm	90° Max		

nVent CADDY Speed Link Universal Support System

NVENT CADDY SPEED LINK SLK SYSTEM

NVENT CADDY SPEED LINK SLK WITH WEDGE ANCHOR

- Complete system includes wire, locking device and wedge anchor from Powers Fasteners, Inc.
- Quickly and easily attaches into cracked and non-cracked concrete
- No special tools required



Material: Steel, Polypropylene, Zinc Alloy
 Finish: Electrogalvanized
 Static Load Safety Factor: 5:1
 Complies With: SMACNA HVAC-DCS
 Wire Rope Diameter: 2 mm

Part Number	Article Number	Wire Rope Length	Angle	Static Load	Standard Packaging Quantity
SLK2L2WA6	196734	2 m	90° Max	440 N	10 pc
SLK2L3WA6	196735	3 m	90° Max	440 N	10 pc
SLK2L5WA6	196736	5 m	90° Max	440 N	10 pc
SLK2L7WA6	196737	7 m	90° Max	440 N	5 pc

Drill Bit Diameter	Length	Height	Width	Thickness	Drill Hole Depth	Embedment Depth
6 mm	63.5 mm	55 mm	19 mm	12.5 mm	60 mm	55 mm Min

NVENT CADDY SPEED LINK SLK LOCKING DEVICE

- Push/pull keyless release allows easy adjustments
- Low-profile locking device minimizes visual impact
- Cable spread of 90 degrees allows positioning the device closer to the load
- Keyless release tubes are easy to operate while wearing gloves
- Double-sided locking mechanism enables simple height adjustment



Material: Steel, Polypropylene, Zinc Alloy



Part Number	Article Number	Wire Rope Diameter	Height	Width	Thickness	Angle	Certifications	Standard Packaging Quantity
SLK2C200	196600	1.5 – 2.0 mm	55 mm	19 mm	12.5 mm	90° Max	cULus, ITB	200 pc
SLK3C200	196730	3.0 mm	62 mm	24 mm	16.0 mm	90° Max		200 pc

Locking devices are only to be used with nVent CADDY Speed Link wire spools and accessories with the same specified Wire Rope Diameter as the locking device. Do not use with any other wires.



CONNECT AND PROTECT

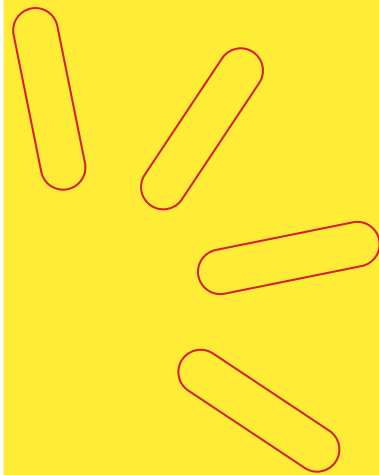
Why Contractors Choose nVent CADDY Spring Steel Fasteners

Premium quality with superior corrosion protection - nVent CADDY is committed to earning the trust of contractors by providing the best solution—one that is simple, intuitive and helps to provide a lower total installed cost.

Unmatched innovation - The versatility of nVent CADDY products cover a range of assembly configurations and orientations with fewer parts. Our unique solutions are easy to use and offer flexibility to adapt to the needs of specific projects.

Breadth of offering - Contractors can count on a variety of reliable and innovative nVent CADDY solutions. nVent CADDY has developed industry leading solutions for many applications.

nVent.com/CADDY



CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

nVent CADDY Pyramid





WHY BUY NVENT CADDY PYRAMID

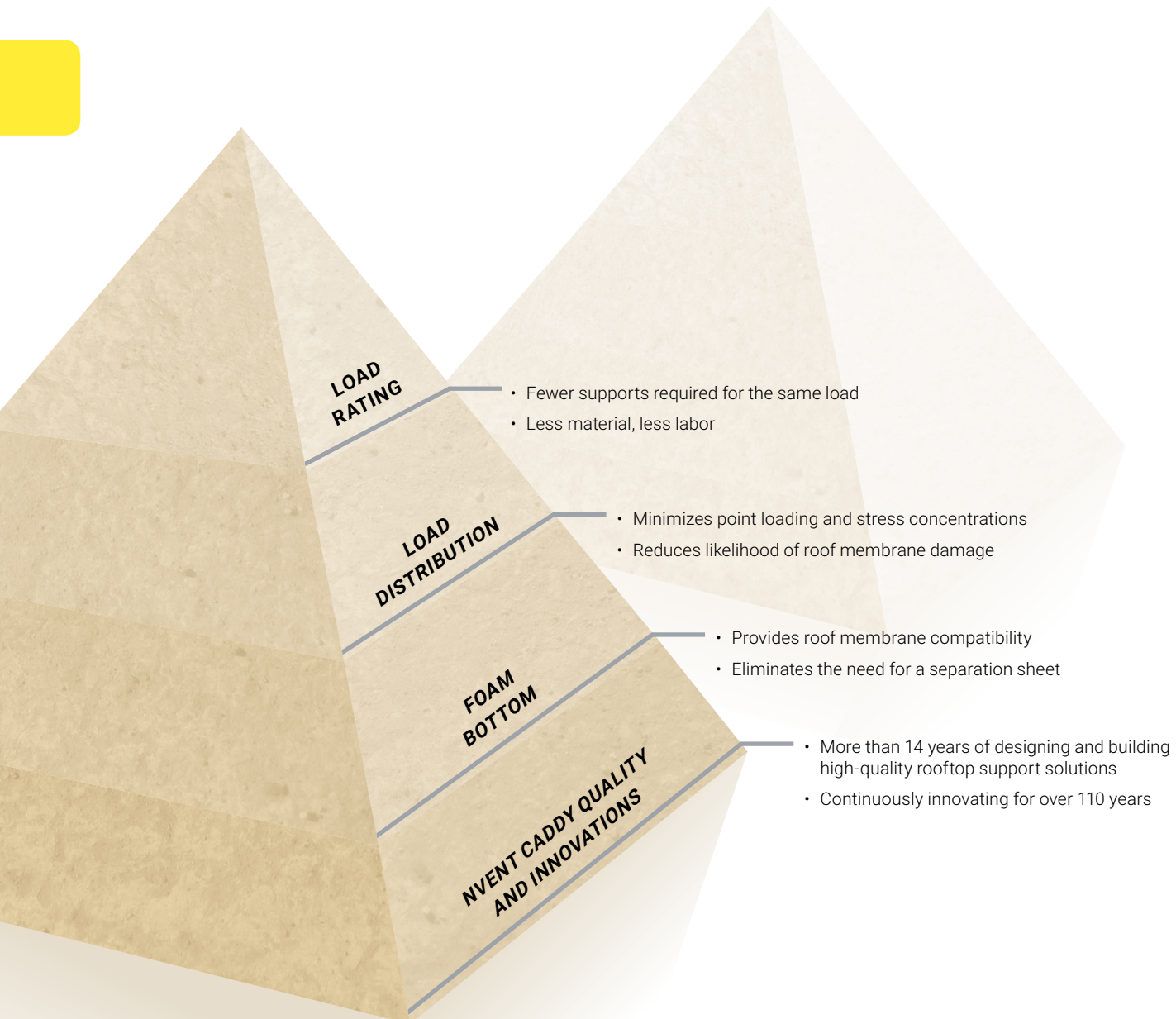
FOR ENGINEERS AND CONSULTANTS:

CHALLENGE:

- Properly support heavy loads
- Minimize the chance of point loading or abrading the roof membrane
- Ensure chemical compatibility with anything you place on the roof membrane

PYRAMID SOLUTION:

- Pyramid offers a broad portfolio compatible with most roof surfaces, including single-ply, bituminous, metal and spray foam
- Pyramid provides excellent load distribution with some of the industry's best load ratings
- Pyramid minimizes point loading and roof abrasion
- Pyramid is UV stable, corrosion resistant, and durable over an extensive temperature range





WHY BUY PYRAMID

FOR BUILDING OWNERS:

CHALLENGE:

- Roofs not only protect some of the most valuable assets, they often represent a significant cost to replace and maintain
- Substandard materials and methods can increase the chance of roof damage
- Increasingly, roofs are seen as prime real estate and are being utilized for equipment placement, alternative energy systems, and as green space

PYRAMID SOLUTION:

- Pyramid is extremely roof compatible
- Pyramid is designed to minimize the chance of damage to roofs
- Pyramid is fast and easy to install, minimizing costs
- Pyramid provides an aesthetically pleasing, flexible engineered solution designed to meet the challenges of densely populated roofs



WHY BUY PYRAMID

FOR CONTRACTORS AND INSTALLERS:

CHALLENGE:

- Meet the project scope and stay within budget
- Provide a high quality installation
- Need a fast and easy to install solution
- Adapt to a broad range of applications and roof materials

PYRAMID SOLUTION:

- Pyramid is designed to get installers on and off the roof quickly
- Pyramid creates an aesthetically pleasing, high quality solution
- Pyramid offers a broad portfolio of solutions that simplify material management

Pyramid rooftop supports are a surface mounted solution for supporting electrical and mechanical applications on a variety of roof surfaces.

They offer superior load capacity and dramatically reduce installation time by replacing slow, heavy and labor-intensive methods for support of pipe, conduit, duct, cable tray and equipment.

Unlike wood blocks, Pyramid supports are specifically designed for rooftop applications, incorporating unique materials and finishes that protect roof membranes and provide superior corrosion protection.

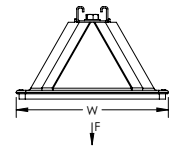
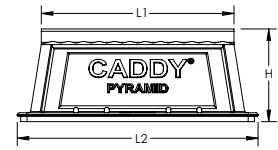


nVent CADDY Pyramid Rooftop Systems

NVENT CADDY PYRAMID ST STRUT-BASED SUPPORTS

NVENT CADDY PYRAMID ST FIXED STRUT SUPPORT

- Provides superior support for pipe, conduit, duct, cable tray and equipment
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Ready to use out of the box, saving installation time and labor
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Easy to transport to the roof
- Hot-dip galvanized and UV stabilized for long lasting performance



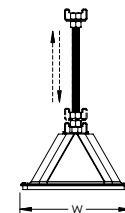
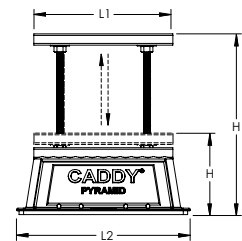
Material: Polyethylene, Polypropylene, Steel
 Finish: Hot-Dip Galvanized
 Temperature: -45 to 65 °C
 Static Load Safety Factor: 3:1

Part Number	Article Number	Length 1	Length 2	Height	Width	Surface Area	Unit Weight	Static Load	Certifications	Standard Packaging Quantity
PSF6C	360463	152 mm	203.0 mm	122 mm	152 mm	26,452 mm ²	0.5 kg	1,334 N		20 pc
PSF10C	360464	254 mm	317.5 mm	122 mm	203 mm	59,355 mm ²	1.0 kg	4,450 N	ITB	10 pc
PSF16C	360466	406 mm	483.0 mm	122 mm	203 mm	91,613 mm ²	1.5 kg	6,670 N	ITB	5 pc

Static load at 73.1 kPa (10.6 psi) roof loading. Contact project or roofing engineer for maximum allowable load on individual project roof system.

NVENT CADDY PYRAMID ST ADJUSTABLE STRUT SUPPORT

- Height adjustability provides effective navigation of pipe, conduit, duct and cable tray around obstructions
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Ready to use out of the box, saving installation time and labor
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Hot-dip galvanized and UV stabilized for long lasting performance



Material: Polyethylene, Polypropylene, Steel
 Finish: Hot-Dip Galvanized
 Temperature: -45 to 65 °C
 Static Load Safety Factor: 3:1

Part Number	Article Number	Surface Area	Unit Weight	Static Load	Standard Packaging Quantity
PSA16AH18	360469	91,613 mm ²	3 kg	6,670 N	5 pc

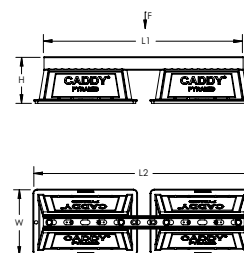
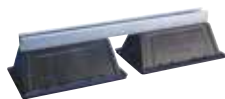
Length 1	Length 2	Height	Width
406 mm	483 mm	178 – 457 mm	203 mm

nVent CADDY Pyramid Rooftop Systems

NVENT CADDY PYRAMID ST STRUT-BASED SUPPORTS

NVENT CADDY PYRAMID ST BRIDGE ASSEMBLY

- Ideal for supporting multiple pipe runs, cable tray and air handling units
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Ready to use out of the box, saving installation time and labor
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Hot-dip galvanized and UV stabilized for long lasting performance



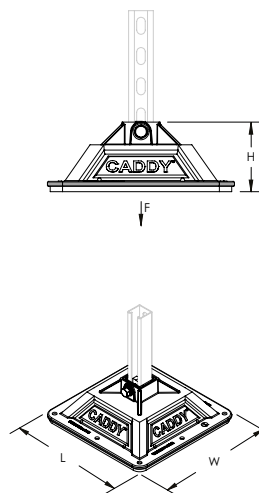
Material: Polyethylene, Polypropylene, Steel
 Finish: Hot-Dip Galvanized
 Temperature: -45 to 65 °C
 Static Load Safety Factor: 3:1

Part Number	Article Number	Length 1	Length 2	Height	Width	Surface Area	Unit Weight	Static Load	Standard Packaging Quantity
PSB24A	360475	610 mm	673 mm	142 mm	203 mm	118,709 mm ²	2 kg	8,900 N	2 pc
PSB42A	360478	1,067 mm	1,143 mm	142 mm	203 mm	183,225 mm ²	4 kg	13,340 N	2 pc

Static loads are assumed to be uniformly distributed.

NVENT CADDY PYRAMID H-FRAME POST BASE

- Foam or rubber bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Rubber rooftop interface ideal for solar panel array installations
- Mounting hardware pre-installed in bases
- Hot-dip galvanized and UV stabilized for long lasting performance
- Accepts standard strut channels



Material: Steel, Polypropylene, Polyethylene
 Finish: Hot-Dip Galvanized
 Temperature: -34 to 54 °C
 Static Load Safety Factor: 3:1

Part Number	Article Number	Rooftop Interface	Strut Type	Surface Area	Unit Weight	Static Load	Standard Packaging Quantity
PHB	360422	Foam	A (41 x 41 mm)	0.09 m ²	1.8 kg	3,335 N	1 pc

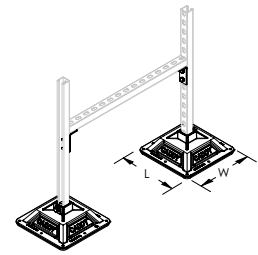
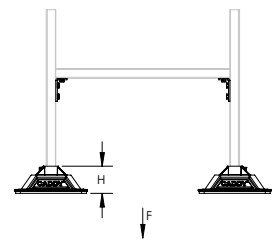
Height	Length	Width
117 mm	314 mm	314 mm

nVent CADDY Pyramid Rooftop Systems

NVENT CADDY PYRAMID H-FRAME

NVENT CADDY PYRAMID H-FRAME KIT

- Foam or rubber bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Rubber rooftop interface ideal for solar panel array installations
- Kit includes 2 post bases with pre-installed mounting hardware, 6 bolts, 6 strut nuts, and 2 L-brackets to complete H-frame
- Hot-dip galvanized and UV stabilized for long lasting performance
- Accepts standard strut channels



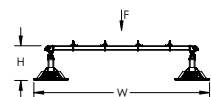
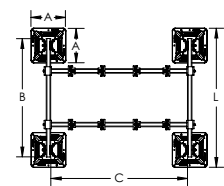
Material: Polypropylene, Polyethylene
 Temperature: -34 to 54 °C
 Static Load Safety Factor: 3:1

Part Number	Article Number	Rooftop Interface	Strut Type	Static Load	Certifications	Standard Packaging Quantity
PHK	360420	Foam	A (41 x 41 mm)	6,670 N	ITB	1 pc
Height	Length	Width	Surface Area			
117 mm	314 mm	314 mm	0.18 m ²			

Static load represents 750 lb (3,335 N) per post base. The end user must select and evaluate the strut framing to ensure the assembled H-frame can properly support the applied load.

NVENT CADDY PYRAMID EQUIPMENT SUPPORT KIT, 4 POST BASE

- Kit includes post-base assemblies, frame and equipment-support clamps
- Assembles and adjusts to size and height in minutes by one person with one tool
- Innovative crossbar and equipment-support clamps enable quick assembly
- Integral foam pad provides gentle interface for all roof types
- Hot-dip galvanized and UV stabilized for long lasting performance
- Assembled support can be lifted as one unit and easily relocated



Material: Steel, Polypropylene, Polyethylene
 Finish: Hot-Dip Galvanized
 Temperature: -34 to 54 °C
 Height: 305 – 457 mm
 Length: 1,257 mm

Part Number	Article Number	Width	Surface Area	Unit Weight	Ultimate Static Load	Certifications	Standard Packaging Quantity
PEK4B	360426	1,588 mm	0.36 m ²	36 kg	4,980 N	ITB	1 pc
Post Base	Square Tube	Cross Bar Assembly					
314 mm x 4 pc	1,067 mm x 2 pc	1,232 mm x 2 pc					

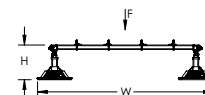
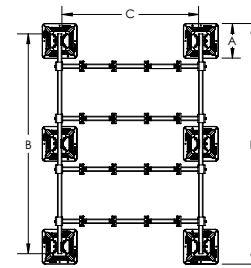
Static load must be stable and uniformly distributed across frame.

nVent CADDY Pyramid Rooftop Systems

NVENT CADDY PYRAMID EQUIPMENT SUPPORTS

NVENT CADDY PYRAMID EQUIPMENT SUPPORT KIT, 6 POST BASE

- Kit includes post-base assemblies, frame and equipment-support clamps
- Assembles and adjusts to size and height in minutes by one person with one tool
- Innovative crossbar and equipment-support clamps enable quick assembly
- Integral foam pad provides gentle interface for all roof types
- Hot-dip galvanized and UV stabilized for long lasting performance
- Assembled support can be lifted as one unit and easily relocated



Material: Steel, Polypropylene, Polyethylene
 Finish: Hot-Dip Galvanized
 Temperature: -34 to 54 °C
 Height: 305 – 457 mm
 Length: 2,172 mm

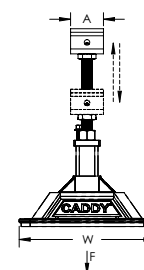
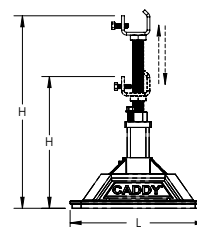
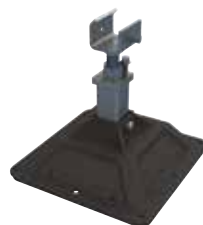
Part Number	Article Number	Width	Surface Area	Unit Weight	Ultimate Static Load	Certifications	Standard Packaging Quantity
PEK6B	360427	1,588 mm	0.56 m ²	56 kg	9,960 N	ITB	1 pc

Post Base	Square Tube	Cross Bar Assembly
314 mm x 6 pc	1,981 mm x 2 pc	1,232 mm x 4 pc

Static load must be stable and uniformly distributed across frame.

NVENT CADDY PYRAMID EQUIPMENT SUPPORT POST BASE

- Ideal for use with strut channel type A and U-shaped brackets to create custom equipment supports
- Height adjustable
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Hot-dip galvanized and UV stabilized for long lasting performance



Material: Steel, Polypropylene, Polyethylene
 Finish: Hot-Dip Galvanized
 Temperature: -34 to 54 °C
 Static Load Safety Factor: 3:1

Part Number	Article Number	Surface Area	Unit Weight	Static Load	Standard Packaging Quantity
PEB	360425	0.09 m ²	4 kg	3,340 N	2 pc

Height	Length	Width	A
305 – 457 mm	314 mm	314 mm	76 mm

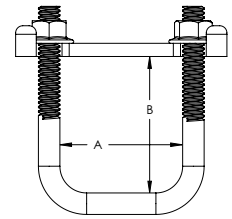
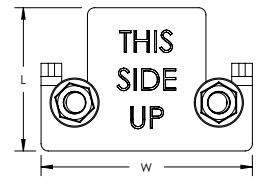
The end user must select and evaluate the strut framing to ensure the custom assembled equipment support can properly support the applied load.

nVent CADDY Pyramid Rooftop Systems

NVENT CADDY PYRAMID EQUIPMENT SUPPORTS

NVENT CADDY PYRAMID EQUIPMENT SUPPORT CLAMP

- Ideal for use with strut channel type A and square tube to create custom equipment supports
- Slotted design offers fast and easy installation

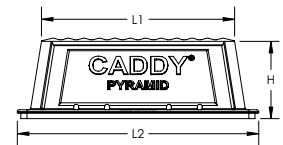
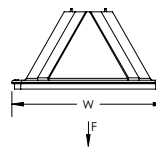
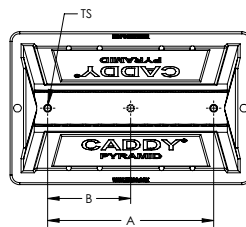


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	Strut Type	Length	Width	A	B	Standard Packaging Quantity
PEC	360428	A (41 x 41 mm)	64 mm	95 mm	53 mm	58 mm	20 pc

NVENT CADDY PYRAMID UNIVERSAL SUPPORT

- Captive stainless steel nuts allow for custom attachment methods to the support base including easy attachment of stainless steel strut, threaded rod or other project-specific hardware
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Base is manufactured from UV-stabilized thermoplastic material



Material: Polyethylene, Polypropylene, Stainless Steel 18-8 (EN 1.4305)
Temperature: -45 to 65 °C
Static Load Safety Factor: 3:1

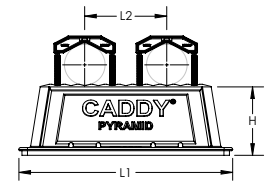
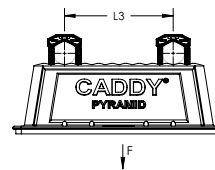
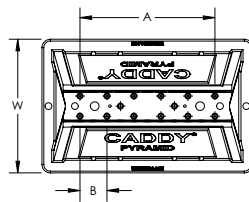
Part Number	Article Number	L1	L2	H	W	TS	Number of Holes	A	B	Surface Area	Standard Packaging Quantity
PBU6M	360495	139.7	203.0	101.6	152	M10	3	114.3	57.2	26,452	20 pc
PBU10M	360496	254.0	317.5	101.6	203	M10	2	218.4		59,355	10 pc
PBU16M	360497	406.0	483.0	101.6	203	M10	2	165.1		91,613	5 pc

nVent CADDY Pyramid Rooftop Systems

NVENT CADDY PYRAMID TOOL-FREE SUPPORTS

NVENT CADDY PYRAMID TOOL-FREE PIPE SUPPORT KIT

- Push-in clamps install without the need for additional tools or strut clamps
- Ready to use out of the box, saving installation time and labor
- Plastic clamps and base will not corrode pipe
- Clamps come in two different sizes to fit project needs
- Base includes multiple holes to accommodate a variety of clamp sizes and configurations
- Additional clamps can be purchased separately for additional pipe runs
- Foam bottom offers low abrasion interface for better roof membrane protection
- Provides superior load distribution, even with varying rooftop surfaces
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Easy to transport to the roof



Material: Polyethylene, Polypropylene, Nylon
 Temperature: -45 to 65 °C
 Static Load Safety Factor: 3:1

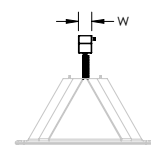
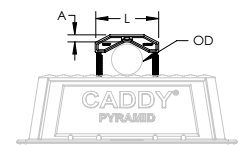
Part Number	Article Number	L1	L2	L3	W	H	A	B	Surface Area	Unit Weight	Standard Packaging Quantity
PTF6	360460	203.2		81.3	152	101.6	121.9	40.6	26,452	0.3	20 pc
PTF10	360461	317.5	121.9	162.6	203	101.6	203.2	40.6	59,355	0.5	10 pc
PTF16	360462	482.6	203.2	243.8	203	101.6	284.5	40.6	91,613	1.0	5 pc

Part Number	Number of Clamps Included		Maximum Clamp Capacity	
	PTF1C	PTF2C	PTF1C	PTF2C
PTF6	1	1	3	1
PTF10	-	2	5	2
PTF16	-	2	7	3

Length 2 represents maximum pipe center to pipe center using PTF2C clamps.
 Length 3 represents maximum pipe center to pipe center using PTF1C clamps.

NVENT CADDY PYRAMID TOOL-FREE PIPE CLAMP

- Push-in clamps install without the need for additional tools or strut clamps
- Clamps come in two different sizes to fit project needs
- Plastic clamps and base will not corrode pipe



Material: Nylon
 Temperature: -45 to 65 °C

Part Number	Article Number	Outer Diameter	Length	Width	A	Unit Weight	Standard Packaging Quantity
PTF1C	360484	12.7 – 22.4 mm	40.6 mm	19.1 mm	9.5 mm	0.01 kg	100 pc
PTF2C	360485	21.3 – 60.3 mm	81.3 mm	19.1 mm	9.5 mm	0.02 kg	100 pc



Mechanical

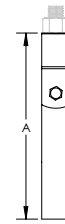
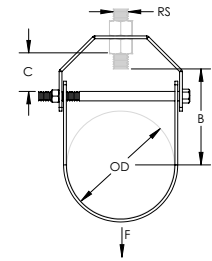


Mechanical

CLEVIS HANGERS

401 CLEVIS HANGER

- Recommended for the suspension of stationary non-insulated pipe lines
- Flared edges help prevent sharp surfaces from coming into contact with the pipe (1/2" to 2" pipe sizes)
- Clevis bottom pivots to allow pipe to be fed from either direction



Material: Steel
Finish: Electrogalvanized, Pregalvanized



Part Number	Article Number	Pipe Size	NB/DN	Outer Diameter	Rod Size	A	B	C	Static Load	Certifications
4010050EG	179398	1/2"	15	21.0 mm	M10	59 mm	29 mm	9 mm	2,700 N	cULus, ITB
4010075EG	179399	3/4"	20	27.0 mm	M10	64 mm	32 mm	9 mm	2,700 N	cULus, FM, ITB
4010100EG	179420	1"	25	34.0 mm	M10	71 mm	35 mm	9 mm	2,700 N	cULus, FM, ITB
4010125EG	179421	1 1/4"	32	43.0 mm	M10	80 mm	40 mm	9 mm	2,700 N	cULus, FM, ITB
4010150EG	179422	1 1/2"	40	48.0 mm	M10	94 mm	53 mm	17 mm	2,700 N	cULus, FM, ITB
4010200EG	179423	2"	50	60.0 mm	M10	110 mm	63 mm	22 mm	2,700 N	cULus, FM, ITB
4010250EG	179424	2 1/2"	65	76.0 mm	M12	134 mm	78 mm	25 mm	5,000 N	cULus, FM, ITB
4010300EG	179425	3"	80	89.0 mm	M12	154 mm	90 mm	29 mm	5,000 N	cULus, FM, ITB
4010350EG	179521	3 1/2"	90	101.6 mm	M12	172 mm	101 mm	34 mm	5,000 N	cULus, FM
4010400EG	179426	4"	100	114.0 mm	M16	189 mm	111 mm	35 mm	5,000 N	cULus, FM, ITB
4010500EG	179427	5"	125	140.0 mm	M16	231 mm	130 mm	41 mm	6,400 N	cULus, FM, ITB
4010600EG	179428	6"	150	165.0 mm	M20	268 mm	153 mm	48 mm	8,600 N	cULus, FM, ITB
4010800EG	179429	8"	200	219.0 mm	M20	356 mm	204 mm	80 mm	8,900 N	cULus, FM, ITB
4011000EG	179430	10"	250	273.0 mm	M20	419 mm	230 mm	66 mm	16,000 N	ITB
4011200EG	179431	12"	300	324.0 mm	M20	473 mm	258 mm	78 mm	17,000 N	ITB

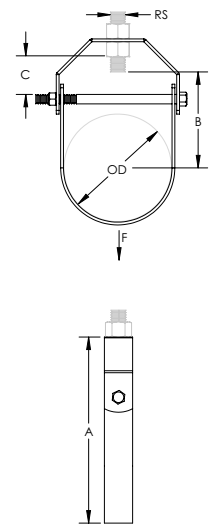
A shield is recommended for insulated pipe applications to effectively distribute the load.

Mechanical

CLEVIS HANGERS

410 CLEVIS HANGER, LIGHT DUTY

- Recommended for the suspension of stationary non-insulated pipe lines
- Also commonly used for the suspension of insulated pipe lines
- Flared edges help prevent sharp surfaces from coming into contact with the pipe (1/2" to 8" pipe sizes)
- Clevis bottom pivots to allow pipe to be fed from either direction



Material: Steel
Finish: Electrogalvanized, Pregalvanized



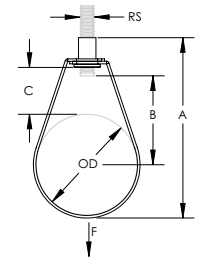
Part Number	Article Number	Pipe Size	NB/DN	Outer Diameter	Rod Size	A	B	C	Static Load	Certifications
4100100EG	179400	1"	25	34 mm	M10	71 mm	35 mm	9 mm	1,100 N	cULus, ITB
4100125EG	179401	1 1/4"	32	43 mm	M10	80 mm	40 mm	9 mm	1,100 N	cULus, ITB
4100150EG	179402	1 1/2"	40	48 mm	M10	94 mm	53 mm	17 mm	1,100 N	cULus, ITB
4100200EG	179403	2"	50	60 mm	M10	110 mm	63 mm	22 mm	1,100 N	cULus, ITB
4100250EG	179404	2 1/2"	65	73 mm	M12	134 mm	78 mm	25 mm	1,550 N	cULus, ITB
4100300EG	179405	3"	80	89 mm	M12	154 mm	90 mm	29 mm	1,550 N	cULus, ITB
4100400EG	179406	4"	100	114 mm	M16	189 mm	111 mm	35 mm	2,200 N	cULus, ITB
4100500EG	179407	5"	125	140 mm	M16	231 mm	130 mm	41 mm	2,670 N	cULus, ITB
4100600EG	179408	6"	150	165 mm	M20	268 mm	153 mm	48 mm	3,550 N	cULus, ITB
4100800EG	179409	8"	200	219 mm	M20	340 mm	193 mm	62 mm	5,300 N	cULus, ITB

Mechanical

LOOP HANGERS

112 LOOP HANGER WITH FLARED EDGES

- For steel and CPVC pipe
- Flared edges help to protect plastic pipe
- An integral fold-over washer (pipe sizes 2 1/2" to 8")



Material: Steel
Finish: Electrogalvanized

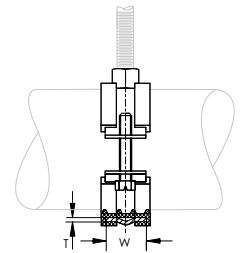
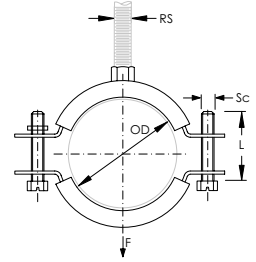
Part Number	Article Number	Pipe Size	NB/DN	Outer Dia. (mm)	Rod Size	A (mm)	B (mm)	C (mm)	Static Load	Certifications	Standard Packaging Quantity
1120050EG		1/2"	15	21.0	3/8"	70.7	29.2	26.2	1,334 N	cULus	50 pc
1120075EG		3/4"	20	27.0	3/8"	76.4	32.2	26.5	1,334 N	cULus, FM	50 pc
1120100EG		1"	25	34.0	3/8"	83.7	36.2	27.1	1,334 N	cULus, FM	50 pc
1120125EG		1 1/4"	32	43.0	3/8"	92.1	40.2	26.7	1,334 N	cULus, FM	50 pc
1120150EG		1 1/2"	40	48.0	3/8"	98.2	43.2	26.7	1,334 N	cULus, FM	50 pc
1120200EG		2"	50	60.0	3/8"	110.2	49.2	26.7	1,334 N	cULus, FM	50 pc
1120250EG		2 1/2"	65	76.0	3/8"	138.2	70.2	41.3	2,340 N	cULus, FM	25 pc
1120300EG		3"	80	89.0	3/8"	154.1	78.2	41.4	2,340 N	cULus, FM	25 pc
1120400EG		4"	100	114.0	3/8"	193.8	105.2	55.7	3,780 N	cULus, FM	25 pc
1120500EG		5"	125	140.0	1/2"	236.2	125.9	65.4	3,780 N	cULus, FM	25 pc
1120600EG		6"	150	165.0	1/2"	262.7	138.9	64.9	3,500 N	cULus, FM	25 pc
1120800EG		8"	200	219.0	1/2"	337.6	187.9	88.5	6,000 N	cULus, FM	10 pc
112B0500EG		5"	125	141.0	1/2"	236.2	125.9	65.4	4,440 N		25 pc
112B0600EG		6"	150	165.0	1/2"	262.7	138.9	64.9	4,440 N		25 pc
112B0800EG		8"	200	219.0	1/2"	337.6	187.9	88.5	4,440 N		10 pc
112M0050EG	297860	1/2"	15	21.3	M10	70.7	29.2	26.2	1,330 N	cULus	50 pc
112M0075EG	297870	3/4"	20	26.9	M10	76.4	32.2	26.5	1,330 N	cULus, FM	50 pc
112M0100EG	297880	1"	25	26.9	M10	83.8	36.2	27.1	1,330 N	cULus, FM	50 pc
112M0125EG	297890	1 1/4"	32	42.4	M10	92.1	40.2	26.7	1,330 N	cULus, FM	50 pc
112M0150EG	297900	1 1/2"	40	48.3	M10	98.2	43.2	26.7	1,330 N	cULus, FM	50 pc
112M0200EG	297910	2"	50	60.3	M10	110.2	49.2	26.7	1,330 N	cULus, FM	50 pc
112M0250EG	297920	2 1/2"	65	76.1	M10	138.2	70.2	41.3	2,340 N	cULus, FM	25 pc
112M0300EG	297930	3"	80	88.9	M10	154.1	78.2	41.4	2,340 N	cULus, FM	25 pc
112M0400EG	297940	4"	100	114.3	M10	193.8	105.2	55.7	2,890 N	cULus, FM	25 pc
112M0500EG	297950	5"	125	141.0	M12	236.2	125.9	65.4	2,890 N	cULus, FM	25 pc
112M0600EG	297960	6"	150	165.0	M12	262.7	138.9	64.9	4,450 N	cULus, FM	25 pc
112M0800EG	297970	8"	200	219.1	M12	337.6	187.9	88.5	6,000 N	cULus, FM	10 pc

Mechanical

RUBBER LINED PIPE CLAMPS

NVENT CADDY MACROFIX 250 M8/M10

- Combo head bolt works with slotted, hex, or Phillips drivers
- Category II noise reduction according to DIN EN ISO 3822-1
- Compliant for sound insulation design according to DIN 4109
- Reaction-to-fire classification is "E" in compliance with DIN EN 13501-1:2010-01



Material: Steel, EPDM-SBR Rubber
 Finish: Electrogalvanized
 Color: Black
 Temperature: -50 to 110 °C



Part Number	Article Number	Outer Diameter (mm)	Pipe Size	NB/DN	Rod Size	Width	Thickness	Screw Diameter	Screw Length	Static Load	Standard Packaging Quantity
MXD141	595950	135 – 141			M8, M10	23 mm	2.5 mm	M8	25 mm	1,500 N	25 pc
MXD162	595960	159 – 162			M8, M10	23 mm	2.5 mm	M8	25 mm	1,500 N	25 pc
MXD168	595970	165 – 168	6"	150	M8, M10	23 mm	2.5 mm	M8	25 mm	2,200 N	25 pc
MXD202	595971	198 – 202			M8, M10	25 mm	3.0 mm	M8	30 mm	2,500 N	10 pc
MXD215	595972	210 – 215			M8, M10	25 mm	3.0 mm	M8	30 mm	2,500 N	10 pc
MXD220	595973	216 – 220	8"	200	M8, M10	25 mm	3.0 mm	M8	30 mm	2,500 N	10 pc
MXD227	595990	220 – 227			M8, M10	30 mm	3.0 mm	M8	30 mm	2,700 N	10 pc
MXD254	595991	249 – 254			M8, M10	30 mm	3.0 mm	M8	30 mm	2,700 N	10 pc
MXD280	595992	274 – 280			M8, M10	30 mm	3.0 mm	M8	30 mm	2,700 N	10 pc
MXD319	595993	313 – 319			M8, M10	30 mm	3.0 mm	M8	30 mm	2,700 N	10 pc

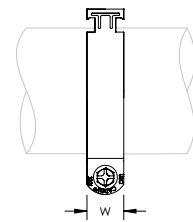
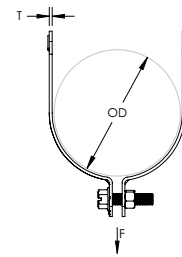
Lining is EPDM rubber.

Mechanical

PIPE/TUBE TO STRUT

USC UNIVERSAL STRUT CLAMP FOR PIPE/CONDUIT

- Consists of two clamps, nut and bolt
- Fits into open side of strut channel
- Conforms with Manufacturers Standardization Society (MSS) SP-58 (Type 59)



Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Outer Diameter	Pipe Size	NB/DN	Width	Thickness	Static Load	Standard Packaging Quantity
USC022EG	712050	21.5 – 22.2 mm			32 mm	1.5 mm	2,000 N	100 pc
USC026EG	712065	25.4 – 26.9 mm	3/4"	20	32 mm	1.5 mm	2,000 N	100 pc
USC033EG	712085	32.8 – 33.4 mm	1"		32 mm	1.5 mm	2,000 N	100 pc
USC040EG	712100	38.4 – 40.6 mm			32 mm	2.0 mm	2,670 N	50 pc
USC048EG	712115	47.6 – 50.0 mm	1 1/2"	40	32 mm	2.0 mm	2,670 N	50 pc
USC060EG	712035	59.5 – 62.2 mm	2"	50	32 mm	2.5 mm	3,780 N	50 pc
USC063EG	712140	62.3 – 64.5 mm			32 mm	2.5 mm	3,780 N	50 pc
USC073EG	712160	69.9 – 73.0 mm	2 1/2"		32 mm	2.5 mm	3,780 N	50 pc
USC086EG	712180	84.0 – 88.9 mm	3"	80	32 mm	2.5 mm	3,780 N	25 pc
USC101EG	712200	98.4 – 102.6 mm	3 1/2"	90	32 mm	2.5 mm	3,780 N	25 pc

Bracing Systems



nVent CADDY Seismic Bracing Systems Overview

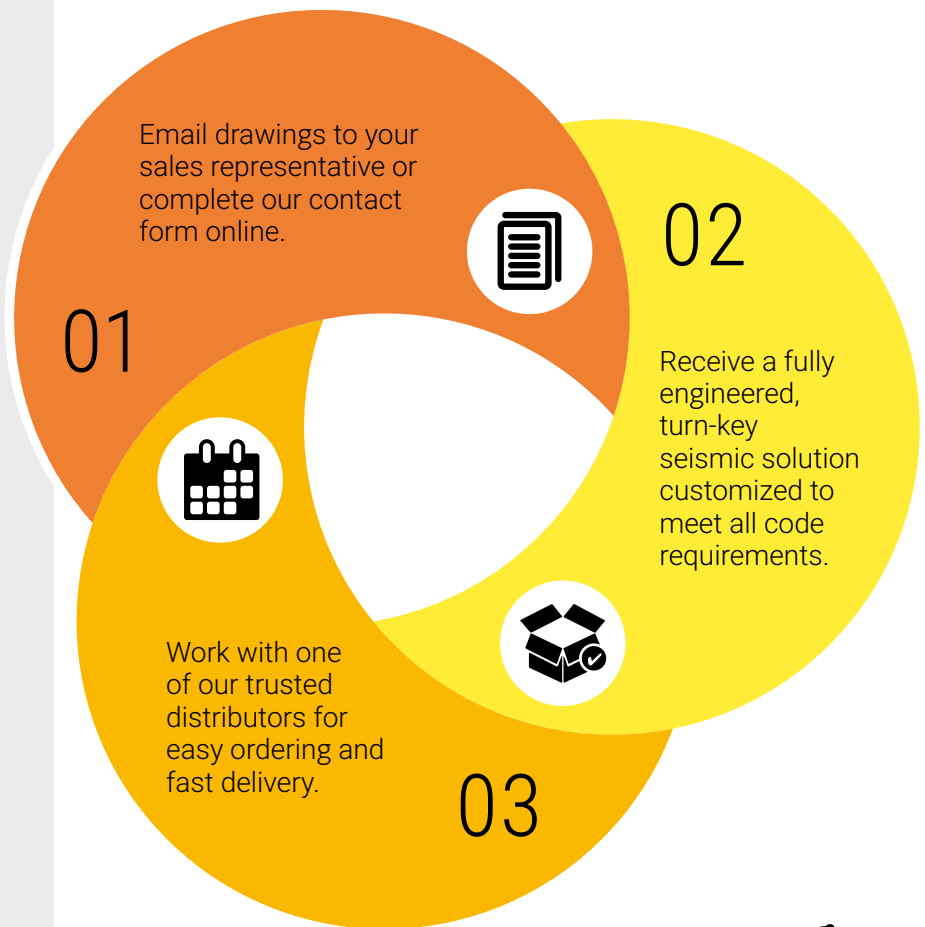
nVent CADDY Seismic Solutions protect people, property and equipment during and after a seismic event by ensuring business continuity and continued operation of critical infrastructure and services.

Areas of nVent CADDY expertise:

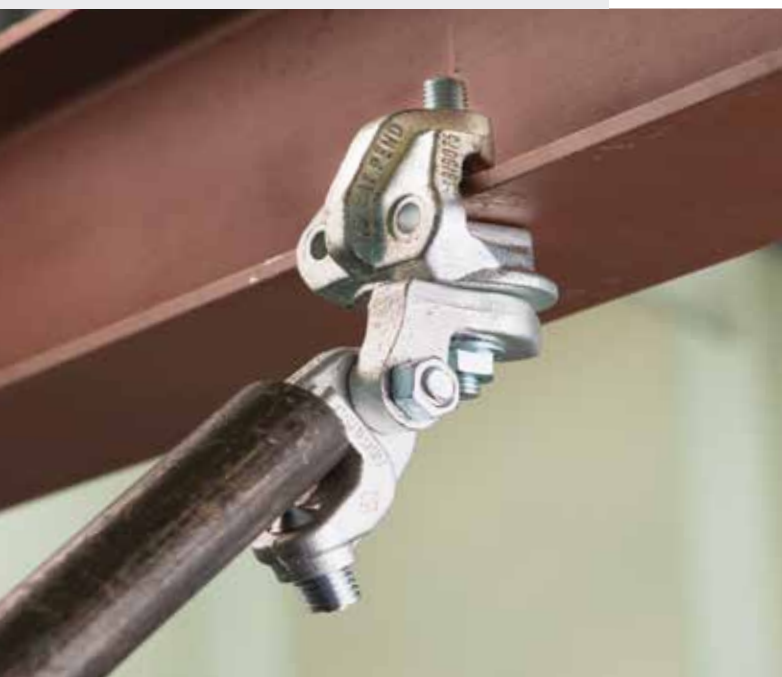
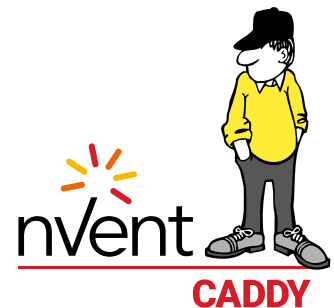
- Designing a complete, right-sized bracing system
- Identifying the appropriate product from our broad offering
- Offering compatible attachment and support products
- Explaining installation techniques and tips to meet evolving codes and standards requirements

From design to construction to inspection, the nVent CADDY team makes seismic simple by walking you through the full process for applications including Mechanical, HVAC, Electrical, Plumbing and Fire Protection.

Both cable and rigid bracing solutions are available for single pipe or conduit, trapeze, and for floor-, roof-, and wall-mounted equipment.

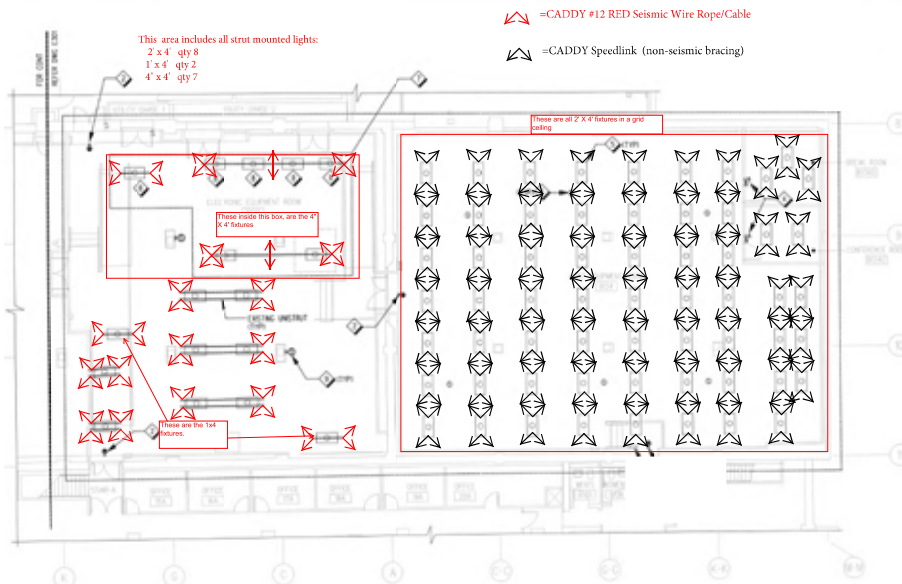


WE MAKE
SEISMIC
SIMPLE



ENGINEERING SOLUTIONS

- Design optimization to meet your needs
- Bracing layouts with bill of material with code compliant products
- Stamped drawings



"nVent's seismic experts provide everything we need for a code compliant cable bracing system. Their patented, turn-key seismic solutions give us peace of mind that our building products are properly braced for a seismic event."

Tim Barmeier
Mechanical Supply Company

PRODUCT SOLUTIONS

- Cable and rigid bracing solutions
- Innovative products
- Superior full range of bracing solutions

CUSTOMER EXPERIENCE

- Quick turnaround
- Local availability through distributors
- In-market support from the local nVent CADDY sales team

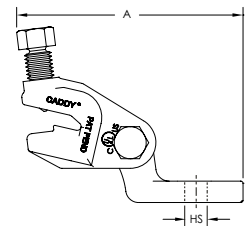
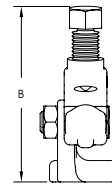
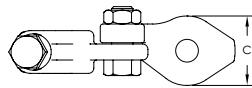


Seismic Bracing Systems

RIGID BRACING

UNIVERSAL STRUCTURAL ATTACHMENT

- Universal design allows one product to attach directly to concrete, wood, bar joist or I-beam adapters
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Use for both lateral and longitudinal sway brace applications
- Works with 1" through 2" brace pipes and 1/4" angle iron braces to reduce inventory
- Center bolt does not require tightening
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Hole Size	A	B	C	Standard Packaging Quantity
CSBUNIV050EG	404407	14 mm	133.4 mm	101.6 mm	41.4 mm	25 pc
CSBUNIV075EG	404409	21 mm	133.4 mm	101.6 mm	41.4 mm	25 pc

UL Loads		
Brace Type	Service Pipe Size	Rating
Pipe	25 - 250 mm	13340 N
6 mm Thick Angle	25 - 200 mm	8960 N

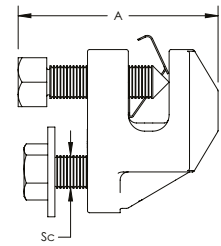
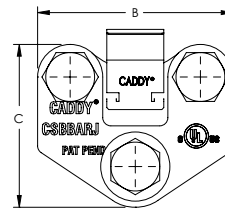
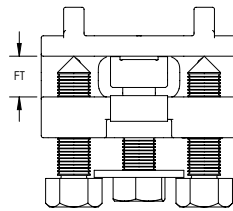
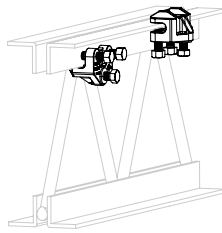
FM Loads					
Brace Type	Service Pipe Size	Horizontal Capacity per Intallation Angle from Vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
Pipe	N/A	7205 N	10230 N	12545 N	13965 N

Seismic Bracing Systems

RIGID BRACING

BAR JOIST ATTACHMENT

- Can be installed on bar joists or I-beams
- Thumb spring retainer allows for ease of positioning
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- No assembly required
- No loose parts
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Flange Thickness	Screw Diameter	A	B	C	Standard Packaging Quantity
CSBBARJEG	404354	6.4 – 12.7 mm	1/2"	50.8 mm	76.2 mm	63.5 mm	1 pc

UL Loads		
Brace Direction to Structure	Service Pipe Size	Rating
Parallel	25 - 250 mm	13340 N
Perpendicular	25 - 300 mm	16630 N

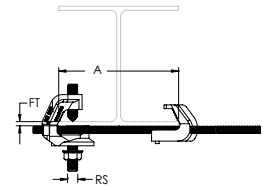
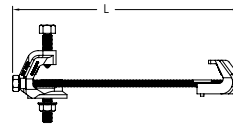
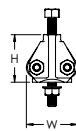
FM Loads					
Brace Direction	Service Pipe Size	Horizontal Capacity per Installation Angle from Vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
Parallel	N/A	6270 N	9385 N	11300 N	12590 N
Perpendicular	N/A	7740 N	7605 N	9165 N	10230 N

Seismic Bracing Systems

RIGID BRACING

ADJUSTABLE I-BEAM ATTACHMENT

- No loose parts
- No assembly required
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Flange Thickness	Rod Size	A	Height	Length	Width	Standard Packaging Quantity
CSBIB075085EG	404365	6.4 – 19.1 mm	1/2"	100 – 216 mm	63.5 mm	304.8 mm	69.9 mm	10 pc
CSBIB075145EG	404366	6.4 – 19.1 mm	1/2"	216 – 368 mm	63.5 mm	431.8 mm	69.9 mm	10 pc
CSBIB125180EG	404367	19.1 – 31.8 mm	1/2"	100 – 457 mm	88.9 mm	546.1 mm	79.4 mm	5 pc

UL Loads		
Brace Direction to Structure	Service Pipe Size	Rating
Parallel	25 - 250 mm	13340 N
Perpendicular	25 - 300 mm	16630 N

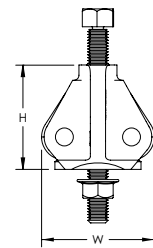
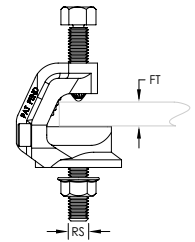
FM Loads					
Brace Direction	Service Pipe Size	Horizontal Capacity per Intallation Angle from Vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
Parallel	N/A	7,205 N	7,605 N	4,495 N	4,940 N
Perpendicular	N/A	7740 N	7605 N	9165 N	10230 N

Seismic Bracing Systems

RIGID BRACING

I-BEAM ATTACHMENT

- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Flange Thickness	Rod Size	Height	Width	Standard Packaging Quantity
CSBBC075EG	404350	6.4 – 19.1 mm	1/2"	63.5 mm	69.9 mm	10 pc

UL Loads		
Brace Direction to Structure	Service Pipe Size	Rating
Parallel	1" - 4"	5,340 N
Perpendicular	1" - 8"	8,960 N

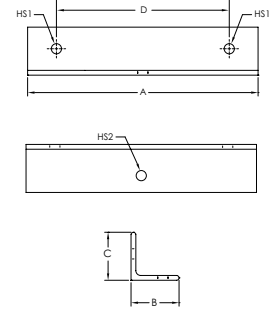
FM Loads					
Brace Direction to Structure	Service Pipe Size	Horizontal Capacity per Installation Angle from Vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
Parallel	N/A	7,210 N	7,610 N	4,490 N	4,940 N
Perpendicular	N/A	5,290 N	7,470 N	5,160 N	5,690 N

Seismic Bracing Systems

RIGID BRACING

MULTI ATTACHMENT

- Disperses load over two anchors
- Minimizes the number of installed braces needed for concrete and wood structures
- Ideal for deck installations
- Use for both lateral and longitudinal sway brace applications
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Steel
Finish: Electrogalvanized



Part Number	Article Number	Hole Size 1	Hole Size 2	UL Listed Load	Standard Packaging Quantity
CSBMA050050EG	404371	14 mm	14 mm	16,636 N	10 pc
CSBMA050075EG	404372	20 mm	14 mm	16,636 N	10 pc
A	B	C		D	
304.8 mm	63.5 mm	63.5 mm		228.6 mm	
304.8 mm	63.5 mm	63.5 mm		228.6 mm	

Mount to structure using holes indicated in HS1.

UL Loads		
Part Number	Service Pipe Size	Rating
CSBMA050050EG	25 - 300 mm	15,435 N
CSBMA050075EG	25 - 300 mm	15,435 N

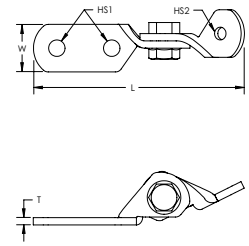
FM Loads				
Part Number	Horizontal Capacity per Intallation Angle from Vertical			
	30° - 44°	45° - 59°	60° - 74°	75° - 90°
CSBMA050050EG	14,630 N	20,100 N	24,640 N	27,570 N
CSBMA050075EG	14,630 N	20,100 N	24,640 N	27,570 N

Seismic Bracing Systems

RIGID BRACING

STRUT SEISMIC HINGE

- Complete hinge assembly
- Ideal for attaching sway bracing to MEP system supports
- Attaches to strut trapezes and to structure

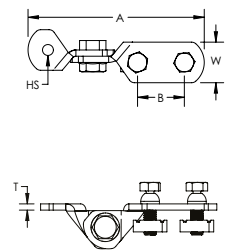


Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Hole Size 1	Hole Size 2	Length	Width	Thickness	Standard Packaging Quantity
CSBSH00375EG	404463	14 mm	11 mm	179.8 mm	41.3 mm	6.4 mm	10 pc
CSBSH00500EG	404464	14 mm	14 mm	179.8 mm	41.3 mm	6.4 mm	10 pc
CSBSH00625EG	404465	14 mm	17 mm	179.8 mm	41.3 mm	6.4 mm	10 pc
CSBSH00750EG	404466	14 mm	21 mm	179.8 mm	41.3 mm	6.4 mm	10 pc

STRUT SEISMIC HINGE BRACKET ASSEMBLY

- Used for installations where strut brace is parallel to structure
- One wrench size fits all required hardware, eliminating the need to change tools
- Shear-off head helps ensure correct torque and simplifies inspection
- Compatible with brace members of 12 GA strut type A

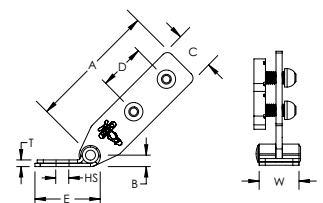


Material: Steel
Finish: Electrogalvanized

Part Number	Hole Size	Width	Thickness	A	B
CSBUS1PA	14.3 mm	40.6 mm	6.4 mm	177.8 mm	47.8 mm
CSBUS2PA	20.6 mm	40.6 mm	6.4 mm	177.8 mm	47.8 mm

UNIVERSAL STRUCTURAL BRACKET, STRUT BRACE

- Used for installations where strut brace is perpendicular to structure
- One wrench size fits all required hardware, eliminating the need to change tools
- Shear-off head helps ensure correct torque and simplifies inspection
- Compatible with brace members of 12 GA strut type A



Material: Steel
Finish: Electrogalvanized

Part Number	Hole Size	Width	Thickness	A	B	C	D	E
CSBUS1	14.3 mm	40.6 mm	6.4 mm	133.4 mm	12.7 mm	40.6 mm	50.8 mm	66 mm
CSBUS2	20.6 mm	40.6 mm	6.4 mm	133.4 mm	12.7 mm	40.6 mm	50.8 mm	66 mm

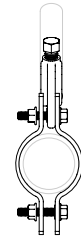
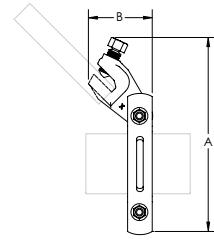
Cut length for strut member is +/- 1" (25 mm) of measured length.

Seismic Bracing Systems

RIGID BRACING

STANDARD UNIVERSAL SWAY BRACE

- Use for both lateral and longitudinal sway brace applications
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Works with 1" through 2" brace pipes and 1/4" angle iron braces to reduce inventory
- Slotted design grabs service pipe for added gripping strength
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Steel, Cast Iron
Finish: Electrogalvanized



Part Number	Article Number	Pipe Size	NB/DN	A	B	Standard Packaging Quantity
CSBSTU0100EG	404385	1"	25	174.6 mm	25.0 mm	10 pc
CSBSTU0125EG	404386	1 1/4"	32	187.4 mm	25.4 mm	10 pc
CSBSTU0150EG	404387	1 1/2"	40	196.9 mm	25.4 mm	10 pc
CSBSTU0200EG	404388	2"	50	206.4 mm	30.2 mm	10 pc
CSBSTU0250EG	404389	2 1/2"	65	225.4 mm	30.2 mm	10 pc
CSBSTU0300EG	404390	3"	80	238.1 mm	30.2 mm	10 pc
CSBSTU0400EG	404391	4"	100	269.9 mm	38.1 mm	10 pc
CSBSTU0500EG	404392	5"	125	308.0 mm	38.1 mm	10 pc
CSBSTU0600EG	404393	6"	150	346.1 mm	50.8 mm	10 pc
CSBSTU0800EG	404394	8"	200	400.1 mm	50.8 mm	5 pc
CSBSTU1000EG	404395	10"	250	457.2 mm	50.8 mm	5 pc

Seismic Bracing Systems

RIGID BRACING

UL Loads (Listed for Restraints)			
Part Number	Dyna-Flow® Service Pipe	Sch 10 Service Pipe	Sch 40 Service Pipe
CSBSTU0100xx	N/A	2910 N	2910 N
CSBSTU0125xx	2910 N	2910 N	2910 N
CSBSTU0150xx	2910 N	2910 N	2910 N

UL Loads (Listed for Sway Braces)								
Part Number	Lateral				Longitudinal			
	Dyna-Flow® Service Pipe	EZ FLOW™	Sch 10 Service Pipe	Sch 40 Service Pipe	Dyna-Flow® Service Pipe	Mega-Flow Service Pipe	Sch 10 Service Pipe	Sch 40 Service Pipe
CSBSTU0200xx	13340 N	N/A	13340 N	13340 N	N/A	N/A	N/A	N/A
CSBSTU0250xx	13340 N	N/A	13340 N	13340 N	8960 N	N/A	8960 N	8960 N
CSBSTU0300xx	13340 N	N/A	13340 N	13340 N	8960 N	N/A	8960 N	8960 N
CSBSTU0400xx	13340 N	13340 N	13340 N	13340 N	8960 N	N/A	8960 N	8960 N
CSBSTU0500xx	N/A	13340 N	13340 N	13340 N	N/A	N/A	8960 N	8960 N
CSBSTU0600xx	N/A	13340 N	13340 N	13340 N	N/A	8960 N	8960 N	8960 N
CSBSTU0800xx	N/A	N/A	13340 N	13340 N	N/A	N/A	13340 N	13340 N
CSBSTU1000xx	N/A	N/A	13340 N	13340 N	N/A	N/A	13340 N	13340 N

FM Loads (Lightwall, Sch 10 and Sch 40 Service Pipes)								
Part Number	Horizontal Capacity per Installation Angle from Vertical							
	Lateral				Longitudinal			
	30° - 44°	45° - 59°	60° - 74°	75° - 90°	30° - 44°	45° - 59°	60° - 74°	75° - 90°
CSBSTU0100xx	3825 N	5425 N	6670 N	7430 N	4315 N	3200 N	3825 N	4270 N
CSBSTU0125xx	3825 N	5425 N	6670 N	7430 N	4315 N	3200 N	3825 N	4270 N
CSBSTU0150xx	3825 N	5425 N	6670 N	7430 N	4315 N	3200 N	3825 N	4270 N
CSBSTU0200xx	6805 N	9610 N	11790 N	13165 N	3870 N	3070 N	3690 N	4136 N
CSBSTU0250xx	6805 N	9610 N	11790 N	13165 N	3870 N	3070 N	3690 N	4136 N
CSBSTU0300xx	6805 N	9610 N	11790 N	13165 N	3870 N	3070 N	3690 N	4136 N
CSBSTU0400xx	6985 N	9875 N	12100 N	13480 N	6895 N	6185 N	7475 N	8320 N
CSBSTU0500xx	6985 N	9875 N	12100 N	13480 N	6895 N	6185 N	7475 N	8320 N
CSBSTU0600xx	8805 N	12500 N	15300 N	17080 N	6540 N	5205 N	6270 N	6985 N

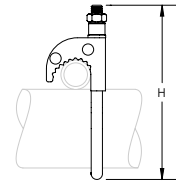
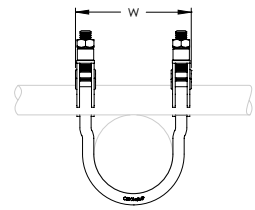
FM Loads (4.8 mm wall and Sch 40 Service Pipes)								
Part Number	Horizontal Capacity per Installation Angle from Vertical							
	Lateral				Longitudinal			
	30° - 44°	45° - 59°	60° - 74°	75° - 90°	30° - 44°	45° - 59°	60° - 74°	75° - 90°
CSBSTU0800xx	9075 N	12855 N	15745 N	17570 N	5340 N	7560 N	9295 N	10365 N
CSBSTU1000xx	9075 N	12855 N	15745 N	17570 N	5340 N	7560 N	9295 N	10365 N

Seismic Bracing Systems

RIGID BRACING

QUICK GRIP JR. LATERAL SWAY BRACE

- Easy two-step installation eliminates extra trips between structure and service pipe
- Works with 1" and 1 1/4" (25 mm and 32 mm) brace pipes to reduce inventory
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Steel
Finish: Electrogalvanized



Part Number	Article Number	Pipe Size	NB/DN	Height	Width	Standard Packaging Quantity
CSBQIKCL0100EG	404373	1"	25	130.2 mm	65.3 mm	25 pc
CSBQIKCL0125EG	404374	1 1/4"	32	136.5 mm	74.4 mm	25 pc
CSBQIKCL0150EG	404375	1 1/2"	40	142.9 mm	80.2 mm	25 pc
CSBQIKCL0200EG	404376	2"	50	161.9 mm	92.3 mm	25 pc

Seismic Bracing Systems

RIGID BRACING

UL Loads (Listed for Restraints)			
Part Number	Service Pipe Schedule	Lateral	
		25 mm Brace Pipe	32 mm Brace Pipe
CSBQIKCL0100EG	Dyna-Flow®	N/A	N/A
	10	2910 N	2910 N
	40	2910 N	2910 N
CSBQIKCL0125EG	Dyna-Flow®	2910 N	2400 N
	10	2910 N	2400 N
	40	2910 N	2400 N
CSBQIKCL0150EG	Dyna-Flow®	3330 N	2910 N
	10	3330 N	2910 N
	40	3330 N	2910 N
CSBQIKCL0200EG	Dyna-Flow®	3330 N	2400 N
	10	3330 N	2400 N
	40	3330 N	2400 N

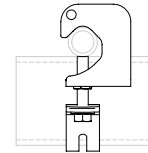
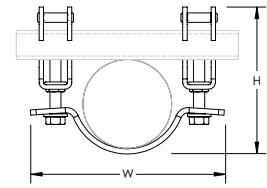
FM Loads					
Part Number	Service Pipe Schedule	Lateral			
		Horizontal Capacity per Installation Angle from Vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
CSBQIKCL0100EG	EN10255 L (Lightwall)	1290 N	1830 N	2200 N	2445 N
	EN10255 M (10)	665 N	935 N	1245 N	1400 N
	EN10255 H (40)	2115 N	2960 N	3670 N	4115 N
CSBQIKCL0125EG	EN10255 L (Lightwall)	1290 N	1830 N	2200 N	2445 N
	EN10255 M (10)	665 N	935 N	1245 N	1400 N
	EN10255 H (40)	2115 N	2960 N	3670 N	4115 N
CSBQIKCL0150EG	EN10255 L (Lightwall)	1290 N	1830 N	2200 N	2445 N
	EN10255 M (10)	665 N	935 N	1245 N	1400 N
	EN10255 H (40)	2115 N	2960 N	3670 N	4115 N
CSBQIKCL0200EG	EN10255 L (Lightwall)	1735 N	2445 N	2980 N	3335 N
	EN10255 M (10)	1555 N	2225 N	2760 N	3070 N
	EN10255 H (40)	2180 N	3070 N	3780 N	4225 N

Seismic Bracing Systems

RIGID BRACING

QUICK GRIP LATERAL SWAY BRACE

- Easy two-step installation eliminates extra trips between structure and service pipe
- Works with 1" and 1 1/4" (25 mm and 32 mm) brace pipes to reduce inventory
- Yellow tips provide a visual indicator that the bolts have been properly torqued
- Easy installation with an impact wrench from the bottom side of the clamp
- Meets NFPA®-13 requirements for seismic sway bracing



Material: Steel
Finish: Electrogalvanized



Part Number	Article Number	Pipe Size	NB/DN	Height (mm)	Width (mm)	Certifications	Standard Packaging Quantity
CSBQG0250MEG	404475	2 1/2"	65	138.1 – 148.6	172.0	FM Approved, Seismic	10 pc
CSBQG0300EG	404469	3"	80	155.0 – 165.5	190.0	cULus, FM Approved, Seismic, OSHPD	10 pc
CSBQG0400EG	404470	4"	100	180.4 – 190.9	222.0	cULus, FM Approved, Seismic, OSHPD	10 pc
CSBQG0600EG	404472	6"	150	235.5 – 244.9	298.0	cULus, FM Approved, Seismic, OSHPD	10 pc
CSBQG0800EG	404473	8"	200	289.2 – 300.0	351.8	cULus, FM Approved, Seismic, OSHPD	5 pc

Seismic Bracing Systems

RIGID BRACING

Load capacity according UL			
Part Number	Designation Brace Pipe	Lateral	
		25 mm Brace Pipe	32 mm Brace Pipe
CSBQG0250EG CSBQG0250MEG	Dyna-Flow®, Mega- Flow, Eddy Flow, Fire-Flo	8960 N	8960 N
	10	8960 N	8960 N
	40	8960 N	8960 N
CSBQG0300EG	Dyna-Flow®, Mega- Flow, Eddy Flow, Fire-Flo	8960 N	8960 N
	10	8960 N	8960 N
	40	8960 N	8960 N
CSBQG0400EG	Dyna-Flow®, Mega- Flow, Eddy Flow, Fire-Flo	8960 N	8960 N
	10	8960 N	8960 N
	40	8960 N	8960 N
CSBQG0600EG	Mega-Flow, Eddy Flow, Fire-Flo	8960 N	8960 N
	10	8960 N	8960 N
	40	8960 N	8960 N
CSBQG0800EG	10	8960 N	8960 N
	40	8960 N	8960 N

FM Loads					
Part Number	Service Pipe Schedule	Lateral			
		Horizontal Capacity per Installation Angle from Vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
CSBQG0250EG/ CSBQG0250MEG	EN10255 L (Lightwall)	6270 N	8895 N	10900 N	12190 N
	EN10255 M (10)	6270 N	8895 N	10900 N	12190 N
	EN10255 H (40)	6270 N	8895 N	10900 N	12190 N
CSBQG0300EG	EN10255 L (Lightwall)	5295 N	7475 N	9163 N	10230 N
	EN10255 M (10)	5295 N	7475 N	9163 N	10230 N
	EN10255 H (40)	5295 N	7475 N	9163 N	10230 N
CSBQG0400EG	EN10255 L (Lightwall)	5295 N	7475 N	9163 N	10230 N
	EN10255 M (10)	5295 N	7475 N	9163 N	10230 N
	EN10255 H (40)	5295 N	7475 N	9163 N	10230 N
CSBQG0600EG	EN10255 L (Lightwall)	3870 N	5470 N	6715 N	7515 N
	EN10255 M (10)	3870 N	5470 N	6715 N	7515 N
	EN10255 H (40)	4315 N	6095 N	7475 N	8320 N
CSBQG0800EG	4.8 mm (Wall Thickness)	3515 N	4940 N	6050 N	6760 N
	EN10255 H (40)	3515 N	4940 N	6050 N	6760 N

Seismic Bracing Systems

RIGID BRACING

CONE POINT SHEAR BOLT



Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Product	Standard Packaging Quantity
CSBBARJSB50EG	402502	Bar Joist Attachment	100 pc
CSBIBSB50EG	402501	I-Beam Attachment	100 pc
CSBUNIVSB62EG	402503	Universal Structural Attachment, Universal Sway Brace (1" - 10" sizes)	100 pc

SHEAR NUT



Material: Steel
Finish: Electrogalvanized

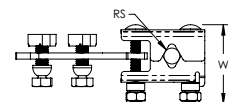
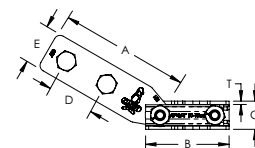
Part Number	Article Number	Product	Standard Packaging Quantity
CSBIBSN37EG	402500	Adjustable I-Beam Attachment	100 pc
CSBQIKCLSN37EG	402505	Quick Grip Jr. Lateral Sway Brace	100 pc

Seismic Bracing Systems

RIGID BRACING

TRAPEZE SWAY BRACE, STRUT

- Seismically braces trapeze hangers
- Retrofit ability allows for the brace to be installed after the trapeze assembly is installed
- Compatible with brace members of 12 GA strut type A
- One wrench size fits all required hardware, eliminating the need to change tools
- Shear-off head helps ensure correct torque and simplifies inspection
- FM® Specification Tested



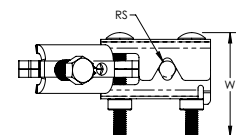
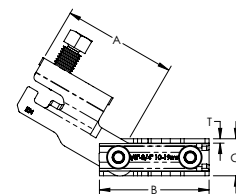
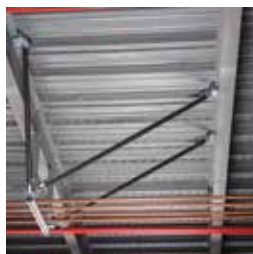
Material: Steel
Finish: Electrogalvanized

Part Number	Width	Thickness	A	B	C	D	E
CSBR2	81.3 mm	3.4 mm	133.4 mm	86.4 mm	29 mm	47.8 mm	41.1 mm

Cut length for strut member is +/- 1" (25 mm) of measured length.

TRAPEZE SWAY BRACE, PIPE

- Seismically braces trapeze hangers
- Retrofit ability allows for the brace to be installed after the trapeze assembly is installed
- Works with brace members of schedule 40 pipe, EMT conduit, and rigid conduit
- One wrench size fits all required hardware, eliminating the need to change tools
- Shear-off head helps ensure correct torque and simplifies inspection
- FM® Specification Tested



Material: Steel
Finish: Electrogalvanized

Part Number	Width	Thickness	A	B	C
CSBR1	81.3 mm	3.4 mm	88.9 mm	86.4 mm	29 mm

Seismic Bracing Systems

CABLE BRACING

WIRE SPOOL

- Cut to length as needed
- Pre-stretched restraint cable



Material: Steel
Finish: Pregalvanized, Painted

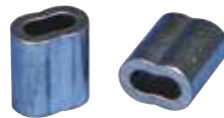


Part Number	Article Number	Brace Size	Diameter	Cable Length	UL Listed Load	Color	Standard Packaging Quantity
CSB12CBL	402190	#12	2.4 mm	76.2 m	2,668 N	Red	1 pc
CSB18CBL	402191	#18	3.2 mm	76.2 m	4,893 N	White	1 pc
CSB36CBL	402192	#36	4.8 mm	76.2 m	12,455 N	Blue	1 pc
CSB48CBL	402193	#48	6.0 mm	76.2 m	20,461 N	Yellow	1 pc

Cable is powder coated.

OVAL SLEEVE

- Creates secure loop ends
- Swage with swaging tools



Material: Copper
Finish: Electrogalvanized

Part Number	Article Number	Brace Size	Standard Packaging Quantity
CSB12SLVB	402194	#12	5 x 100 pc
CSB18SLVB	402195	#18	5 x 100 pc
CSB36SLVB	402196	#36	5 x 50 pc
CSB48SLVB	402197	#48	5 x 50 pc

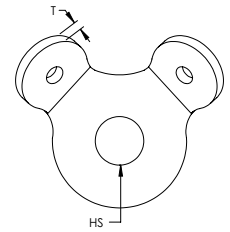
Two side-by-side swages required on #12 and #18 cable.
Three side-by-side swages required on #36 and #48 cable.
Check swage with gauge (not included).

Seismic Bracing Systems

CABLE BRACING

UNIVERSAL RESTRAINT CLIP

- Attaches cable brace to structure



Material: Steel
Finish: Electrogalvanized

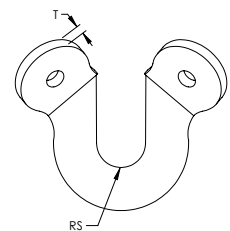


Part Number	Article Number	Brace Size	Hole Size	Thickness	UL Listed Load	Standard Packaging Quantity
CSBURC38	402198	#12, #18, #36	11 mm	4.27 mm	7,117 N	50 pc
CSBURC12	402199	#12, #18, #36	14 mm	4.27 mm	7,117 N	50 pc
CSBURC58	402200	#12, #18, #36	17 mm	4.27 mm	7,117 N	25 pc
CSBURC4812	402204	#48	14 mm	6.35 mm	20,460 N	50 x 2 pc
CSBURC4858	402205	#48	17 mm	6.35 mm	20,460 N	25 x 2 pc
CSBURC4834	402206	#48	21 mm	6.35 mm	20,460 N	25 x 2 pc

Mount to the structure using the center hole. Loop cable through the holes in the bent tabs and swage in place.

UNIVERSAL RESTRAINT CLIP, RETROFIT

- Slotted design ideal for attaching to existing threaded rod on trapezes



Material: Steel
Finish: Electrogalvanized

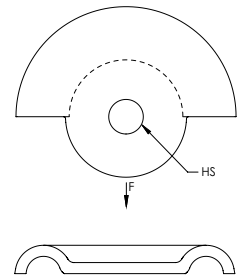
Part Number	Article Number	Brace Size	Rod Size	Thickness	Standard Packaging Quantity
CSBURCR38	402201	#12, #18	M10	4.27 mm	50 pc
CSBURCR12	402202	#12, #18	M12	4.27 mm	50 pc
CSBURCR58	402203	#12, #18	M16	4.27 mm	25 pc

Seismic Bracing Systems

CABLE BRACING

NO PRY CLIP

- Eliminates prying effect on fasteners and anchors



Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Brace Size	Hole Size	UL Listed Load	Standard Packaging Quantity
CSBNPC12	402208	#12, #18, #36	14 mm	12,460 N	50 pc

MANUAL SWAGING TOOL



Material: Steel

Part Number	Article Number	Brace Size
CSB12SBHS	404461	#12
CSB48	402212	#48

MULTI-SIZE MANUAL SWAGING TOOL



Material: Steel

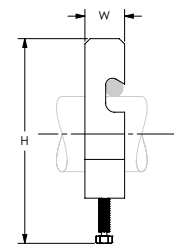
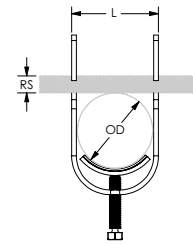
Part Number	Article Number	Brace Size
CSB3346SB	402209	#12, #18, #36

Seismic Bracing Systems

BRANCH LINE RESTRAINT SYSTEM

BRANCH LINE RESTRAINT PIPE ATTACHMENT

- Accepts 3/8" or 1/2" (M10 or M12) threaded rod
- Quick grip clamp simplifies measuring and cutting of threaded rod
- Eliminates need to cut threaded rod to exact dimensions
- Works with rough-cut threaded rod and eliminates pipe-side deburring
- Can be installed with threaded rod above or below the service pipe
- Shear-off head helps ensure correct torque and simplifies inspection



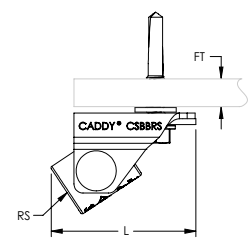
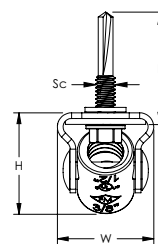
Material: Steel
Finish: Electrogalvanized



Part Number	Article Number	Pipe Size	NB/DN	Outer Diameter	Rod Size	Height	Length	Width	Standard Packaging Quantity
CSBBRP0100EG	404477	1"	25	33.4 mm	M10, M12	169.4 mm	41.4 mm	22.2 mm	50 pc
CSBBRP0125EG	404478	1 1/4"	32	42.2 mm	M10, M12	192.0 mm	50.0 mm	22.2 mm	50 pc
CSBBRP0150EG	404479	1 1/2"	40	48.3 mm	M10, M12	208.4 mm	56.1 mm	22.2 mm	25 pc
CSBBRP0200EG	404480	2"	50	60.3 mm	M10, M12	240.0 mm	68.3 mm	22.2 mm	25 pc

BRANCH LINE RESTRAINT STRUCTURE ATTACHMENT TO STEEL

- Swivel barrel nut accepts 3/8" or 1/2" (M10 or M12) threaded rod
- Attaches to steel members with self-drilling/tapping screw



Material: Steel
Finish: Electrogalvanized



Part Number	Article Number	Rod Size	Flange Thickness (mm)	Height (mm)	Length (mm)	Width (mm)	Screw Diameter	Screw Length (mm)	Certifications	Standard Packaging Quantity
CSBBS1EG		3/8", 1/2"	2.7 – 12.7	28.2	40.4	26.9	#12	32	FM Approved, Seismic, OSHPD, UL	50 pc
CSBBS1MEG	402239	M10, M12	2.7 – 12.7	28.2	40.4	26.9	#12	32	FM Approved, Seismic, UL	50 pc

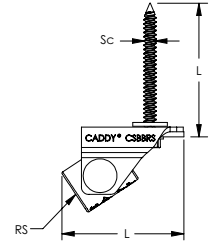
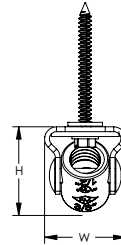
Branch line structural attachments are for restraint only and not for the hanging of fire sprinkler piping.

Seismic Bracing Systems

BRANCH LINE RESTRAINT SYSTEM

BRANCH LINE RESTRAINT STRUCTURE ATTACHMENT TO WOOD/CONCRETE

- Swivel barrel nut accepts 3/8" or 1/2" (M10 or M12) threaded rod
- Attaches to wood or concrete where cracked concrete approval is not needed



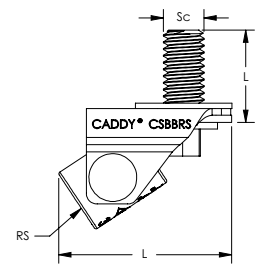
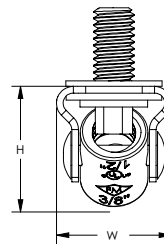
Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Rod Size	Height	Length	Width	Screw Diameter	Screw Length	Drill Bit Diameter	Standard Packaging Quantity
CSBBRS2EG		3/8", 1/2"	28.2 mm	40.4 mm	26.9 mm	1/4"	44.5 mm	5 mm	50 pc
CSBBRS2MEG	402240	M10, M12	28.2 mm	40.4 mm	26.9 mm	1/4"	44.5 mm	5 mm	50 pc

Branch line structural attachments are for restraint only and not for the hanging of fire sprinkler piping. Recommended drill bit is Powers Fasteners, Inc. part number 2785SD.

BRANCH LINE RESTRAINT STRUCTURE ATTACHMENT TO THREADED HOLE

- Swivel barrel nut accepts 3/8" or 1/2" (M10 or M12) threaded rod
- Attaches to concrete anchors or structural attachments with female threads
- Can be used for bolting through steel



Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Rod Size	Height	Length	Width	Screw Diameter	Screw Length	Certifications	Standard Packaging Quantity
CSBBRS3EG		3/8", 1/2"	28.2 mm	40.4 mm	26.9 mm	3/8"	19 mm	FM Approved, Seismic, OSHPD, UL	50 pc
CSBBRS3MEG	402241	M10, M12	28.2 mm	40.4 mm	26.9 mm	M10	19 mm	FM Approved, Seismic, UL	50 pc

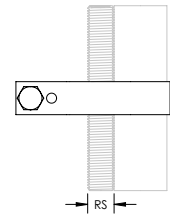
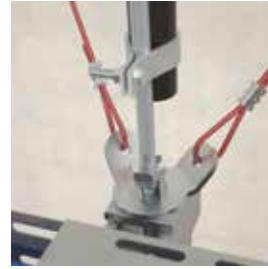
Branch line structural attachments are for restraint only and not for the hanging of fire sprinkler piping.

Seismic Bracing Systems

ROD STIFFENERS

PIPE ROD STIFFENER

- For use with Schedule 40 or Schedule 10 pipe
- Secures pipe to threaded rod for stiffening

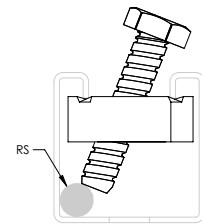


Material: Steel
Finish: Electrogalvanized

Part Number	Article Number	Brace Pipe Size	Brace NB/DN	Rod Size	Standard Packaging Quantity
CSBRS1	402207	1"	25 mm	M10, M12, M16	10 x 10 pc

STRUT ROD STIFFENER

- Secures strut channel to threaded rod for stiffening



Material: Steel
Finish: Electrogalvanized

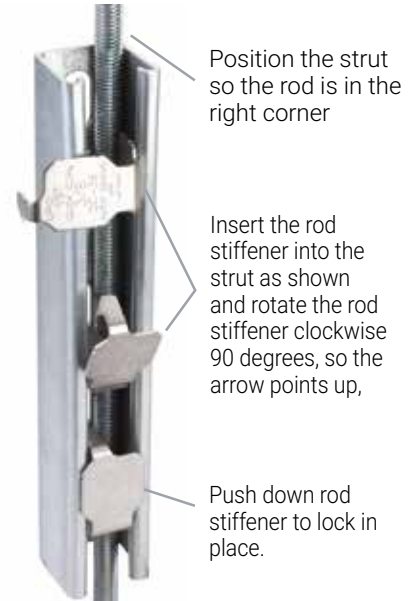
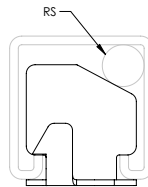
Part Number	Article Number	Strut Type	Rod Size	Standard Packaging Quantity
CSBRS37EG	404467	A (41 x 41 mm)	M10, M12, M16, M20	25 pc

Seismic Bracing Systems

ROD STIFFENERS

NVENT CADDY QUICK CLIP ROD STIFFENER

- Secures strut channel to threaded rod for stiffening
- One hand, snap-in place installation
- No tools or bolt tightening required



Material: Stainless Steel 316 (EN 1.4401)

Part Number	Article Number	Strut Type	Rod Size	Standard Packaging Quantity
CSBRS2	404538	A (41 x 41 mm)	M10	50 pc
CSBRS3	404539	A (41 x 41 mm)	M12	50 pc

Metal Framing

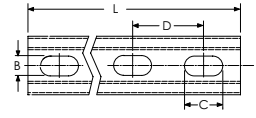
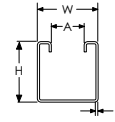
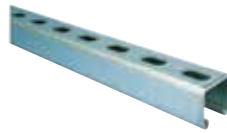


Metal Framing

CHANNELS

STRUT CHANNEL TYPE A, SLOTTED

- Cold formed channel, slotted
- Strut channels for heavy applications
- For individual fastening or for efficiently constructing pipe or tube routes

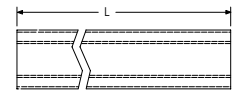
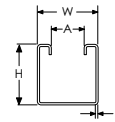
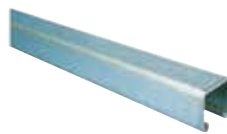


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Length (mm)	Height (mm)	Width (mm)	Thickness (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Standard Packaging Quantity
ES4141SLOTX6	6,000	41	41	2.5	22.3	14	30	50	25 pc

STRUT CHANNEL TYPE A, SOLID

- Cold formed channel, solid
- Strut channels for heavy applications
- For individual fastening or for efficiently constructing pipe or tube routes

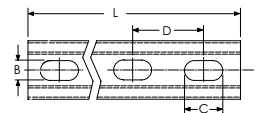
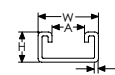
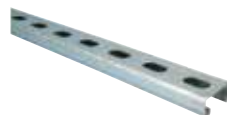


Material: Steel

Part Number	Length	Height	Width	Thickness	A	Standard Packaging Quantity
Finish: Hot-Dip Galvanized						
ES4141PLX6	6,000 mm	41 mm	41 mm	2.5 mm	22.3 mm	25 pc
Finish: Pregalvanized						
ES4141PLX6.0X1.5PG	6,000 mm	41 mm	41 mm	1.5 mm	22.3 mm	25 pc

STRUT CHANNEL TYPE C, SLOTTED

- Cold formed channel, slotted
- Strut channels for medium to heavy applications
- For individual fastening or for efficiently constructing pipe or tube routes



Material: Steel
Finish: Hot-Dip Galvanized

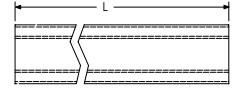
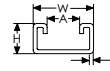
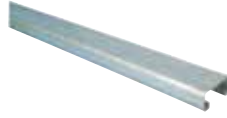
Part Number	Length (mm)	Height (mm)	Width (mm)	Thickness (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Standard Packaging Quantity
ES4121SLOTX3.0	3,000	21	41	2.5	22.3	14	30	50	30 pc
ES4121SLOTX6	6,000	21	41	2.5	22.3	14	30	50	30 pc

Metal Framing

FITTINGS

STRUT CHANNEL TYPE C, SOLID

- Cold formed channel, solid
- Strut channels for medium to heavy applications
- For individual fastening or for efficiently constructing pipe or tube routes

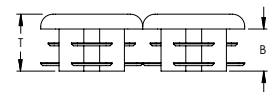
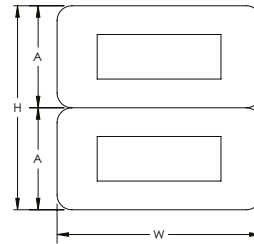


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Length	Height	Width	Thickness	A	Standard Packaging Quantity
ES4121PLX6	6,000 mm	21 mm	41 mm	2.5 mm	22.3 mm	30 pc

ADK STRUT END CAP

- Fits into ERISTRUT Type A channel
- When separated, provides two end caps for ERISTRUT Type C channel

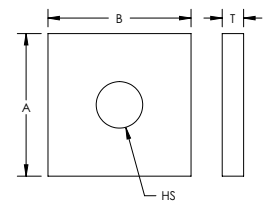
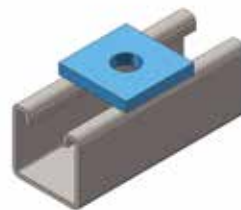
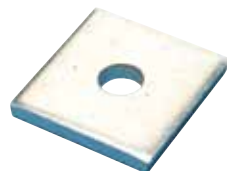


Material: Polyethylene

Part Number	Article Number	Color	Strut Type	Height	Width	A	B	Thickness	Standard Packaging Quantity
ADK421GY	313308	Gray	A (41 x 41 mm), C (21 x 41 mm)	41.2 mm	41.2 mm	20.6 mm	8.5 mm	11.5 mm	100 pc

SQUARE CHANNEL WASHER

- Use to secure objects to nVent CADDY Eristrut channels



Material: Steel
Finish: Hot-Dip Galvanized

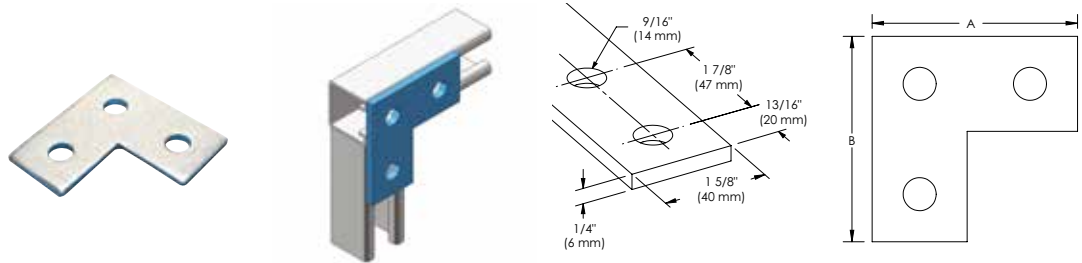
Part Number	Article Number	Hole Size	A	B	Thickness	Screw Included	Standard Packaging Quantity
ZEA100	387500	13 mm	40 mm	40 mm	6 mm	No	25 pc

Metal Framing

FITTINGS

THREE HOLE FLAT CORNER BRACKET

- Used to create metal frames with nVent CADDY Eristrut channels

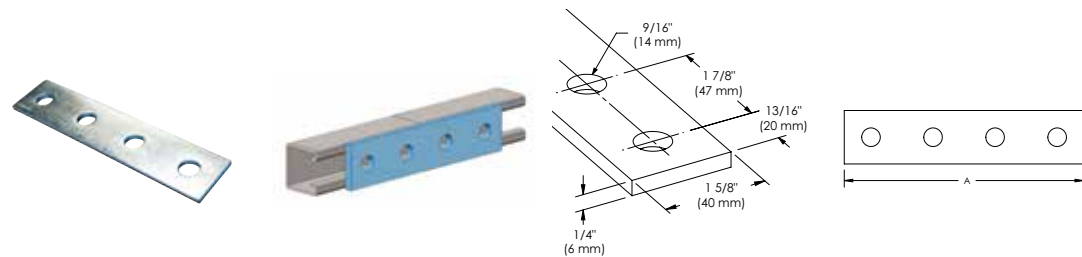


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	Screw Included	Standard Packaging Quantity
ZEA107	387570	85 mm	85 mm	No	25 pc

FOUR HOLE FLAT BRACKET

- Used to create metal frames with nVent CADDY Eristrut channels

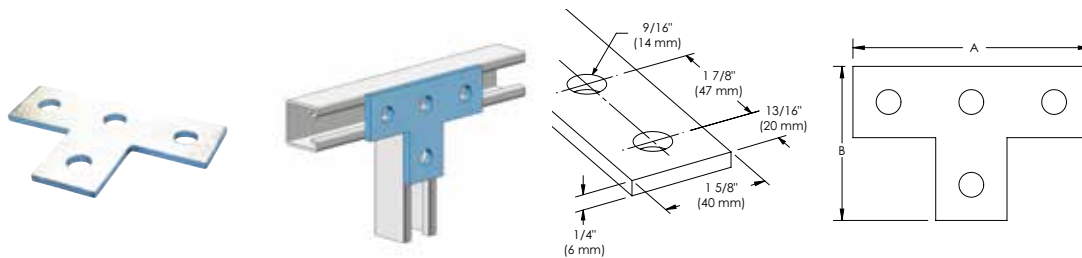


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	Screw Included	Standard Packaging Quantity
ZEA104	387540	168 mm	No	10 pc

FOUR HOLE FLAT TEE PLATE

- Used to create metal frames with nVent CADDY Eristrut channels



Material: Steel
Finish: Hot-Dip Galvanized

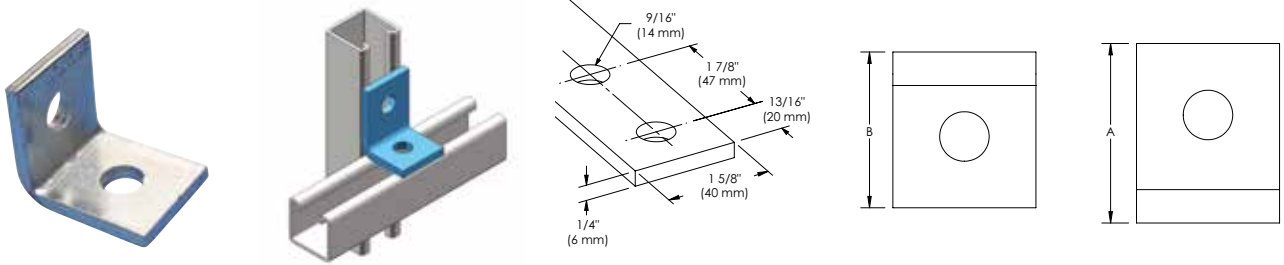
Part Number	Article Number	A	B	Screw Included	Standard Packaging Quantity
ZEA108	387580	138 mm	90 mm	No	25 pc

Metal Framing

FITTINGS

1-1 HOLE ANGLE BRACKET

- Used to create metal frames with nVent CADDY Eristrut channels

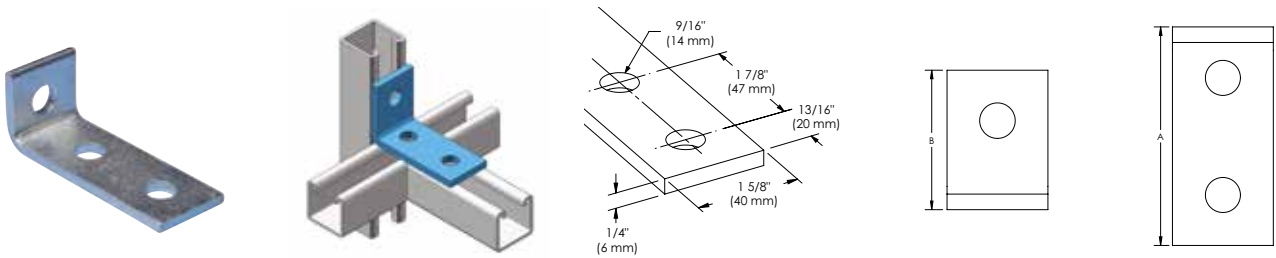


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	Screw Included	Standard Packaging Quantity
ZWA200	387600	50 mm	48 mm	No	10 pc

1-2 HOLE CORNER ANGLE BRACKET

- Used to create metal frames with nVent CADDY Eristrut channels

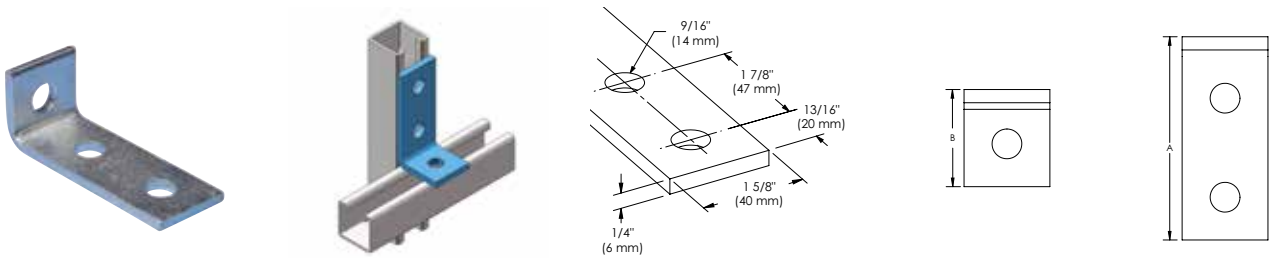


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	Standard Packaging Quantity
ZWA203	387630	99 mm	47 mm	10 pc

1-2 HOLE CORNER SHORT ANGLE BRACKET

- Used to create metal frames with nVent CADDY Eristrut channels



Material: Steel
Finish: Hot-Dip Galvanized

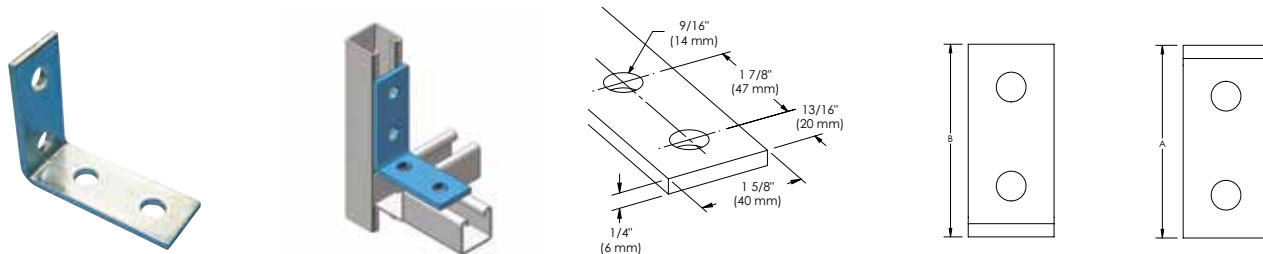
Part Number	Article Number	A	B	Screw Included	Standard Packaging Quantity
ZWA202	387620	103 mm	42 mm	No	10 pc

Metal Framing

FITTINGS

2-2 HOLE CORNER ANGLE BRACKET

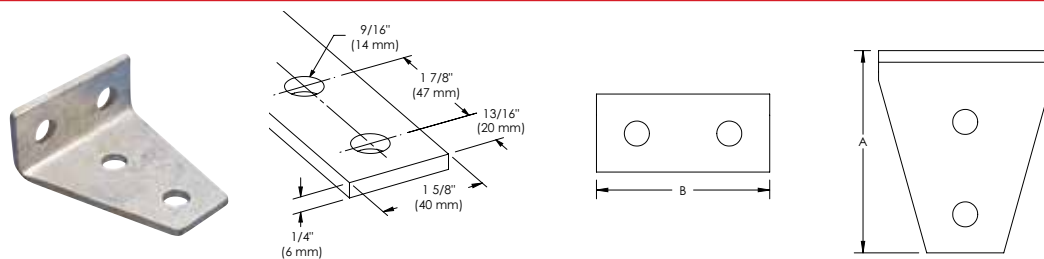
- Used to create metal frames with nVent CADDY Eristrut channels



Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	Screw Included	Standard Packaging Quantity
ZWA205	387650	102 mm	86 mm	No	10 pc

2-2 HOLE CORNER 90° ANGLE BRACKET

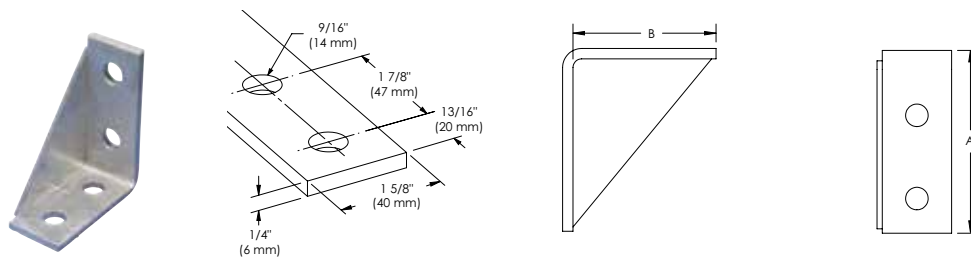


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	Standard Packaging Quantity
ZWA209	387690	105 mm	90 mm	1 pc

2-2 HOLE CORNER GUSSET

- Used to create metal frames with nVent CADDY Eristrut channels



Material: Steel
Finish: Hot-Dip Galvanized
Orientation: Right Hand

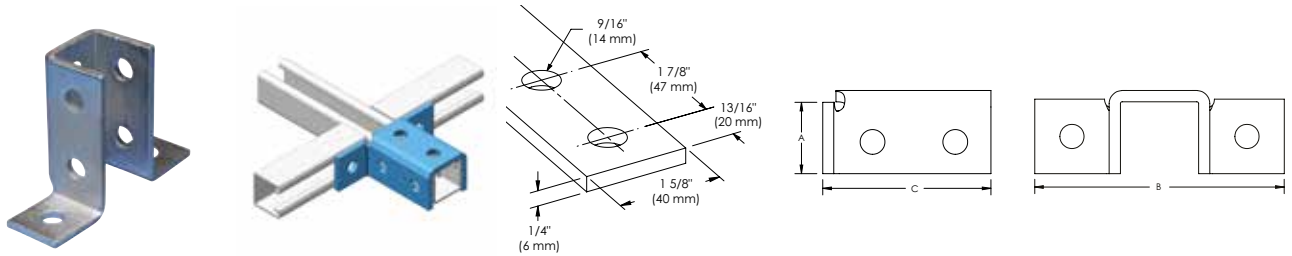
Part Number	Article Number	A	B	Screw Included	Standard Packaging Quantity
ZWA207	387670	106 mm	89 mm	No	1 pc

Metal Framing

FITTINGS

EIGHT HOLE DOUBLE CORNER CONNECTOR, 3-WAY

- Used to create metal frames with nVent CADDY Eristrut channels

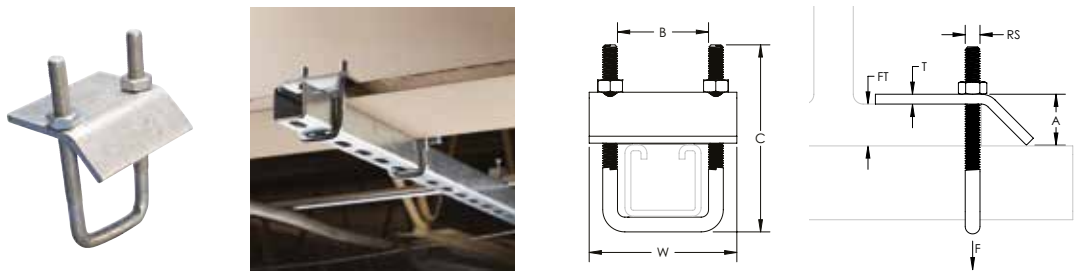


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	C	Screw Included	Standard Packaging Quantity
ZZA702	387720	43 mm	140 mm	102 mm	No	1 pc

STRUT BEAM CLAMP WITH U-BOLT

- Complete with U-bolt and nuts
- Requires installation in pairs



Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	Strut Type	Rod Size	Flange Thickness	Width (mm)	Thickness (mm)	A (mm)	B (mm)	C (mm)	Static Load	Standard Packaging Quantity
ZTA601HD	387701	A (41 x 41 mm), C (21 x 41 mm), CC (41 x 41 mm)	M10	18 mm Max	80	6	24	45	95	5,000 N	10 pc
ZTA602HD	388006	A (41 x 41 mm), AA (83 x 41 mm), D (62 x 41 mm), E (83 x 41 mm)	M10	18 mm Max	80	6	24	45	140	5,000 N	10 pc

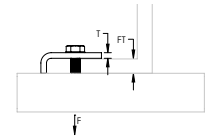
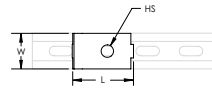
Static Load is based on one pair of Strut Beam Clamps.

Metal Framing

FITTINGS

STRUT BEAM CLIP

- Beam Clip for clamping the open side of strut to a beam
- Suitable for all strut channels
- Requires installation in pairs
- Structural attachment to beams to support nVent CADDY Eristrut
- FM® Specification Tested



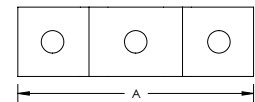
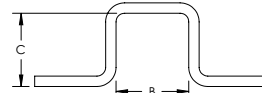
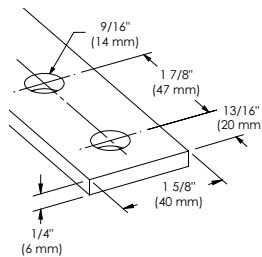
Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	Flange Thickness	Hole Size	Length	Thickness	Width	Static Load	Screw Included	Standard Packaging Quantity
ZT605HD	313260	16 mm Max	13 mm	49 mm	6 mm	40 mm	2,040 N	Yes	10 pc

Indicated loads are based on installation with 1/2" (M12) hardware and strut channel type A.

U-SHAPED BRACKET FOR STRUT TYPE A

- Used to create metal frames with nVent CADDY Eristrut channels

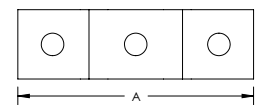
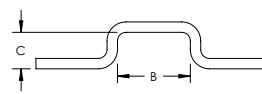
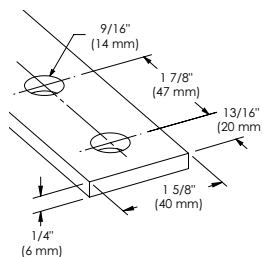


Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	C	Screw Included	Standard Packaging Quantity
ZUA400	387750	136 mm	42 mm	41 mm	No	5 pc

U-SHAPED BRACKET FOR STRUT TYPE C

- Used to create metal frames with nVent CADDY Eristrut channels



Material: Steel
Finish: Hot-Dip Galvanized

Part Number	Article Number	A	B	C	Standard Packaging Quantity
ZUA401	387760	136 mm	42 mm	21 mm	5 pc

Technical Information

Static load limit values specify maximum allowable installed loads for user application.

Load ratings are only valid within +5 to + 35°C unless otherwise specified in this catalogue.

All loads should be applied VERTICALLY to the normal fixing product installation except as may be indicated otherwise in diagrams. If no direction is indicated or a zero load rating is given, the product is to be used for positioning purposes only.

A load rating in this catalogue is only applicable if the load-bearing capacity of the supporting element (purlin, angle beam, flange, bar, etc.) is adequate.

Any repositioning, deformation, or cracking of the supporting element should be a warning that the load bearing capacity of the element is exceeded. In such situations, take preventive measures: consult a structural engineer, or consult nVent for advice.

A standard 4:1 Safety Factor is used unless otherwise noted.

NOTE: 1kg = 10N

MATERIALS – PLASTICS AND RUBBERS

Plastics versus thermosets

- Thermoplastics will melt and flow when heated.
- Thermosets have undergone an irreversible chemical reaction and additional heat will not melt them further.

Polyethylene (PE)

Polyethylene is a tough, light, flexible synthetic resin and is the most common thermoplastic. Many different grades exist with a broad range of physical properties.

Polypropylene (PP)

Polypropylene is a thermoplastic that is light, rugged and resistant to many chemical solvents, bases and acids. It is typically tough and flexible.

Polyvinyl Chloride (PVC)

Polyvinyl chloride (abbreviated PVC), is a thermoplastic made from a tough, chemically resistant synthetic resin. Unplasticized PVC is stiff and strong, but can be made softer and more flexible by the addition of plasticizers.

EPDM Rubber

EPDM (Ethylene Propylene Diene Monomer) is a thermoset elastomer that is inherently resistant to ozone, water and weather, and characterized by a wide range of applications.

SBR Rubber

SBR (Styrene Butadiene Rubber) is the most common type of synthetic rubber. This thermoset has good abrasion resistance, flexibility, and aging stability when protected by additives.

Nylon

Nylon is part of a family of thermoplastics known generically as polyamides. It is generally characterized by its durability, high elongation and excellent abrasion resistance.

Polyamide

See nylon

Xenoy

Xenoy is a thermoplastic blend that offers good chemical resistance, great impact resistance (even at low temperatures), and some heat resistance in conditions that require a high degree of toughness.

Polyisocyanurate (PIR)

Polyisocyanurate (also called PIR, polyiso, or ISO) is a cellular, thermoset that is typically produced as a foam and used in rigid thermal insulation. As a result of its excellent thermal insulating efficiency, polyiso foam has become the standard for low temperature insulation applications.

Silicone Rubber

Silicone rubber is an elastomer (rubber-like material) composed of silicone—itsself a polymer—containing silicon together with carbon, hydrogen, and oxygen.

Silicone rubber is generally non-reactive, stable, and resistant to extreme environments and temperatures from <-40 °C to >220 °C while still maintaining its useful properties

Technical Information

MATERIALS – METALS

Steel

Steel is an alloy of iron and other elements, the most common being carbon. Varying the amount of alloying elements and the form of their presence in the steel controls qualities such as the hardness, ductility, tensile strength and corrosion resistance of the resulting steel.

Spring Steel

Spring steel is an alloy of iron and carbon. Spring steel alloys can be easily formed into complex shapes, and then heat-treated to greatly increase strength.

nVent CADDY spring steel fasteners are heat treated in modern shaker hearth furnaces. Parts are conveyed directly from a high temperature furnace to a quench tank, through a cleaning cycle and into a tempering furnace. Precision controls maintain heat treat operations within established limits developed for nVent CADDY fasteners.

Stainless Spring Steel 301

A highly ductile steel used on formed products that hardens rapidly during mechanical working. Stainless 301 has better wear resistance and fatigue strength than Stainless 304 or standard Spring Steel.

- Stainless 301 is not suitable for use in swimming pools

Stainless Steel

Stainless Steel is an alloy of iron and carbon that is more resistant to rust, staining and corrosion than regular steel.

Stainless Steel 304

The most familiar stainless steel is Type 304, containing 18-20% chromium and 8-10% nickel.

- Also referred to as 'A2'
- Stainless 304 is not suitable for use in swimming pools

Stainless Steel 316

The second most common stainless steel is 316, also called marine grade stainless, used primarily for its increased resistance to corrosion.

- Also referred to as 'A4'
- Stainless 316 is not suitable for use in swimming pools

Cast Iron

Cast Iron is a commercial alloy of iron, carbon and silicon that is cast in a mold. This results in a product that is hard, brittle, non-malleable and incapable of being hammer-welded but more easily fusible than steel.

***Note:** Spring steel fasteners are for indoor use in non-corrosive environments. Mild steel fasteners can be used outdoors in humid or mildly corrosive environments. Neither Stainless Steel nor Mild Steel fasteners are to be used in certain areas such as over indoor pools, etc.

FINISHES

Painted

Paint is any liquid composition, which after application to a surface in a thin layer, is converted to a solid film. It is most commonly used to protect, color or provide texture to objects.

nVent CADDY Armour

The Armour coating system features bi-metallic corrosion protection with an inorganic basecoat for sacrificial protection and an organic topcoat for barrier protection. The nVent standard for Armour includes at least 1,000 hours resistance against red rust when tested per the ASTM B117 / EN ISO 9227 salt spray tests. Armour is RoHS compliant.

Electro-galvanized (EG)

EN 12329 / ASTM B633

This corrosion protective coating is applied after the fabrication of steel or malleable iron parts and uses an electrolytic plating process that deposits zinc. A second passivation coating of chromate is then applied for additional protection. Zinc electroplate products are recommended for indoor and mildly corrosive applications.

Polyester Powder Coater (PPC)

Polyester thermoset powder coating with a minimum coating thickness of 60 micron. Colour Brown for copper pipe and white for PVC Pipe clips. PPC finish products are generally recommended for indoor use on mildly corrosive environments.

Pre-galvanized Zinc (PG)

EN 10142/10147 / ASTM A653/A653M

Pre-galvanized zinc is produced by continuously rolling steel coils or sheets through molten zinc at the mills. The coils or sheets are slit to size and fabricated by forming, shearing or punching to produce the finished product. During fabrication cut edges are not generally zinc coated; however, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas. Pre-galvanized zinc products are generally recommended for indoor use on mildly corrosive environments.

Hot Dip Galvanized Zinc (HD)

EN ISO 1461 / ASTM A123

After a product has finished its fabrication process, it is dipped into a bath of molten zinc. The zinc completely coats all edges and surfaces. Zinc thickness is controlled by the time the part is immersed in the molten zinc bath. Hot dip galvanized zinc products are recommended for indoor, outdoor and mildly corrosive environments.

Black Oxide

ASTM D769

Black oxide or blackening is a conversion coating for ferrous materials, copper and copper based alloys, zinc, powdered metals, and silver solder. It is used to add mild corrosion resistance and for appearance.

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