

CADDY[®]

Electrical and Low Voltage/ Datacomm Fasteners 2007



ERICO[®]

ERICO[®]

CADDY[®] Fasteners are UL[®] Listed and ISO 9001:2000 Certified

















With our official registration and full compliance with ISO 9001:2000 Certification, and our UL Listing, ERICO[®] is continually striving to exceed industry standards in every aspect of our business.



Contact ERICO for a complete
list of UL-Listed Fasteners.

Introduction

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Introduction

Look for the Better Mousetrap Icons Throughout this Catalog

The first icon lets you know that we have developed a better fastener to replace the older model which you may be used to working with. It also tells you on what page to find it.



The second icon lets you know you've found a new way to increase your productivity and boost your bottom line.



CADDY® COAT

For its range of CADDY® fixings, ERICO® has selected the best anti-corrosion protection treatments available according to the material type and the environmental application. As such, the unique ERICO® CADDY® COAT treatment offers an excellent standard of corrosion resistance.



Look for this icon for
**Residential
Application**



Featured Products

HOT PRODUCTS



CADDY® PYRAMID Rooftop Pipe & Equipment Support

CADDY® PYRAMID Pipe & Equipment Supports from ERICO® provide an easy method for supporting pipes, conduit and equipment on roofs and below raised floors. CADDY PYRAMID dramatically reduces installation time by replacing other labor-intensive support methods such as wood blocks, straps and clips. It also replaces steel foot plates, which can seriously damage roof membranes.

The support design consists of a foam block with a metal top. The polyethylene foam block absorbs shock and vibration but will not absorb water. The metal cover on top of the support offers protection from weather and other environmental conditions. The electro-galvanized finish on the cover offers corrosion protection.

CADDY PYRAMID provides for numerous mounting options and clamping positions. The foam and metal models offer mounting support up to 600 lbs. There is an all-plastic model available for loads up to 25 lbs.

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CADDY® SPEED LINK LD

CADDY® SPEED LINK LD is ideal for suspending lighting and other applications that use jack chain, threaded rod and hardware. It is cost effective, time saving and easy to install.

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CADDY® SPEED LINK

This universal support system is a cost-effective alternative to threaded rod and associated hardware and reduces installation time.

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CADDY® SFCLT

The CADDY SFCLT Seismic Fixture Clamps attach luminaires securely to the T-bar. These cost-effective clamps prevent the T-bar from twisting and disconnecting.

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Featured Products



VAFT Tool

"From the Floor" installation tool designed to accommodate "J" hooks in addition to existing applications.

SEE PAGE 85



CADDY® CABLECAT PULLEY

Incorporates a spring-loaded hook, beam clamp and a link allowing the pulley to be attached anywhere.

SEE PAGE 160



CADDY® CAT-CM Wide Base Supports

A high-performance cable support system with tremendous installation flexibility in applications where cable tray is traditionally used.

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MPVTI

Provides a single thread impression for easy installation in low-voltage applications. It can be used in multiple quantities to support multi-gang devices. Size and shape are no longer an issue.

SEE PAGE 150



Mille-Tie™ Cable Tie

Efficient, cost-effective cable management ties that bundle and position cables, including high performance copper and fiber cables, and protects them from crimping damage.

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Mille-Tie is a trademark of Millepede Inc.



AFAB Angle Bracket

Specially designed to install CADDY® CABLECAT J-Hooks to threaded rod or directly to the structure.

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Featured Products



BCISN Beam Clamp/Smart Nut

The lightweight – heavyweight beam clamp is available with a built-in Smart Nut for fast attachment of 3/8-16 threaded rod.

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STS Strut-to-Strut Clamp

Make “back to back” strut from standard half slot in seconds

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CADDY® SLICK Strut Nut

Spring nut alternative – reduces inventory and installation time by 50%

SEE PAGE 107



ISSP Strut Plate

Ideal for retrofitting sections of strut into an existing trapeze.

SEE PAGES 118



ISN Smart Nut

Snaps anywhere on 3/8-16 threaded rod - eliminating extensive threading into place.

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FMBS18 Floor Mount Box Support

Positions electrical boxes 18" above the floor to comply with ADA Standards.

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Featured Products



MCS Support Bracket

Properly spaces MC/AC cables to eliminate bundling and NEC derating issues.

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ESC Easy Strut Clip

Allows "snap on" attachment of electrical and low-voltage cabling and components to strut.

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WC812 Combination Push-in Conduit Clips

Quickly attaches pipe, conduit, MC/AC and tube to wall surfaces.

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AR812 Anti Rattle Conduit Clips

Installs to metal stud without tools and allows NEC 300-4(d) compliance.

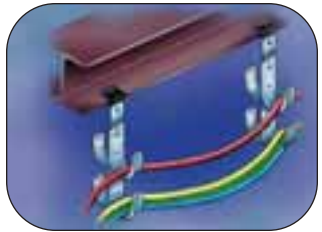
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For more information or to request samples for CADDY® products go to www.erico.com



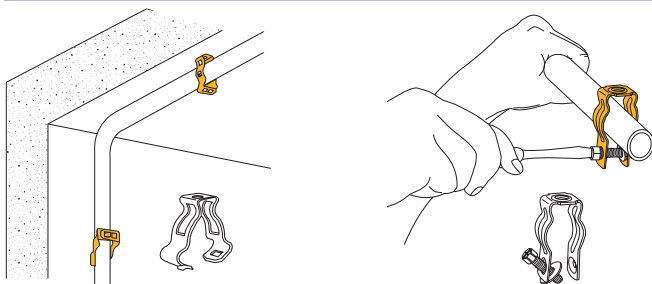
Applications

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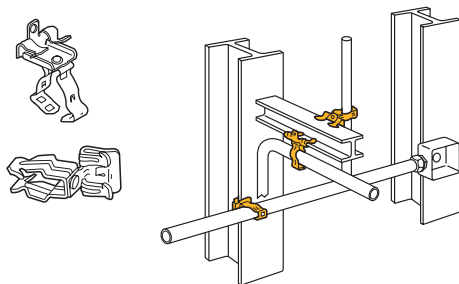
Applications

CONDUIT/CABLE

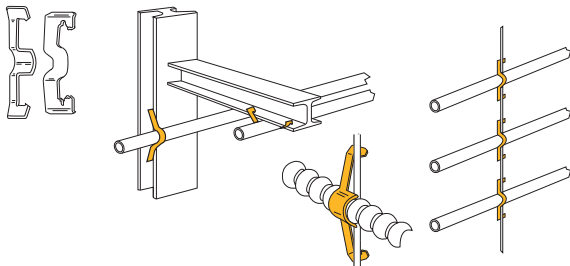


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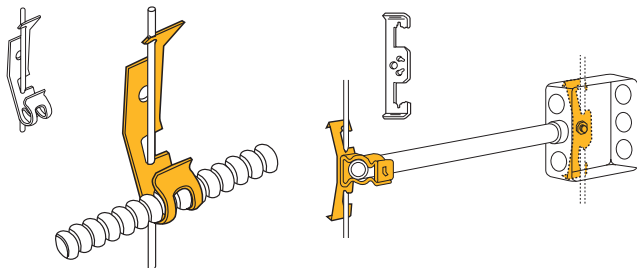
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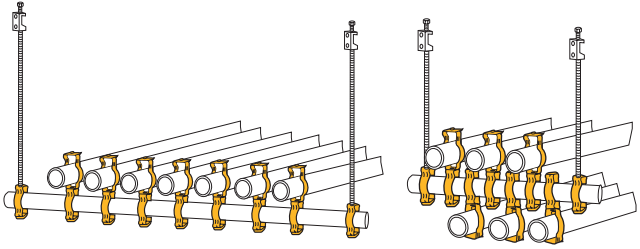
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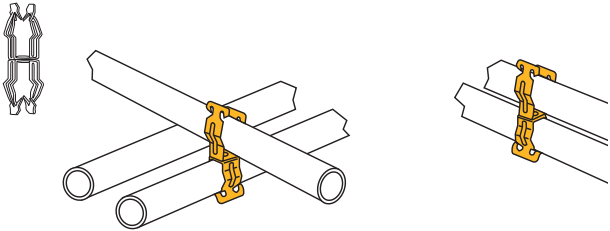


Applications

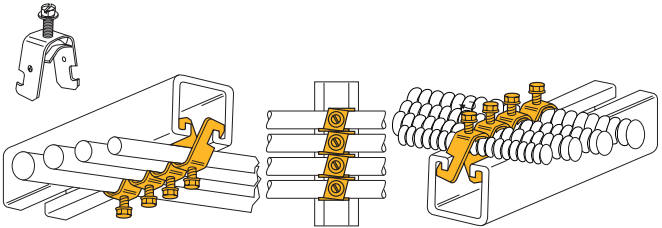
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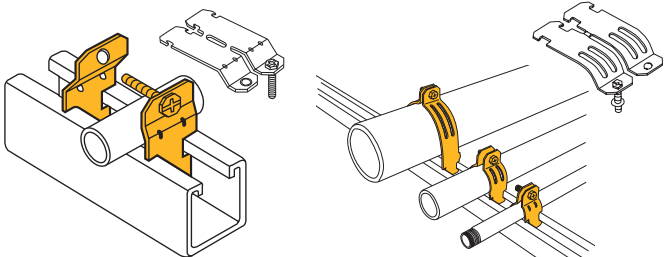
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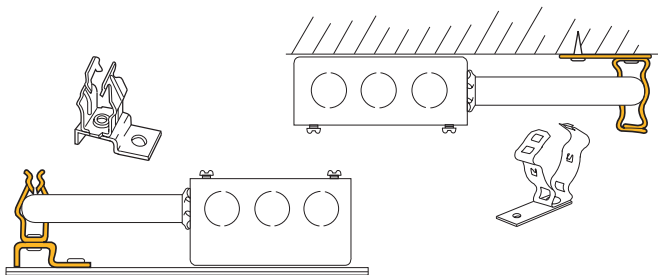


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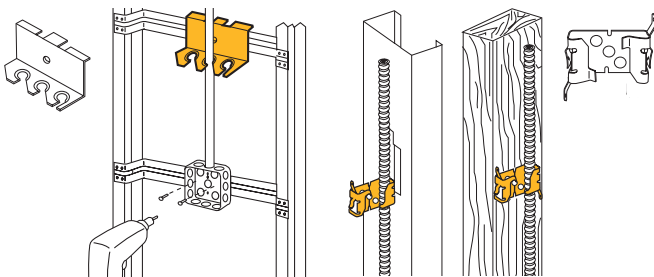
Applications

CONDUIT/CABLE



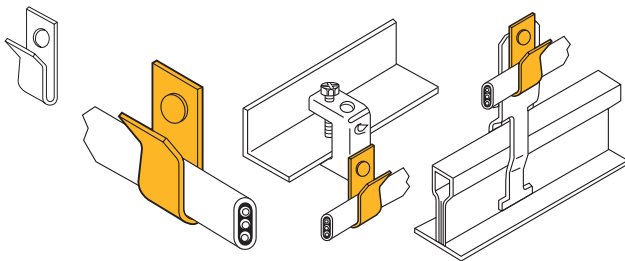
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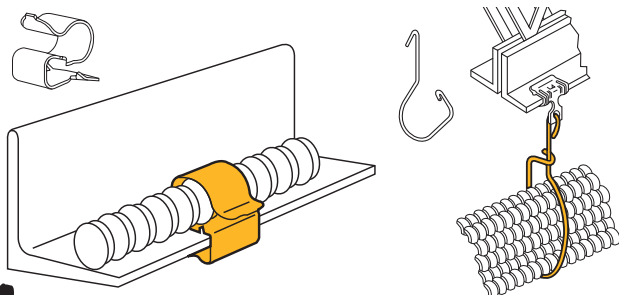


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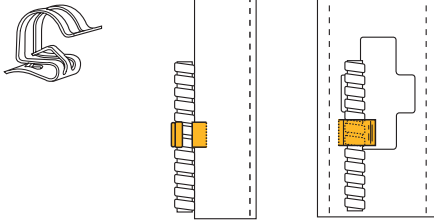
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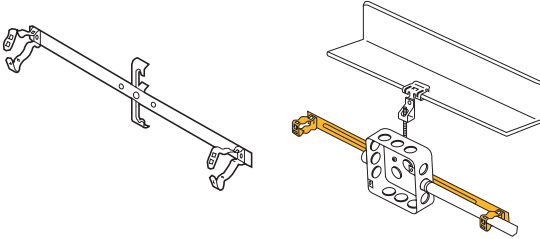


Applications

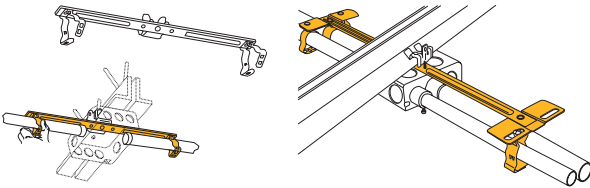
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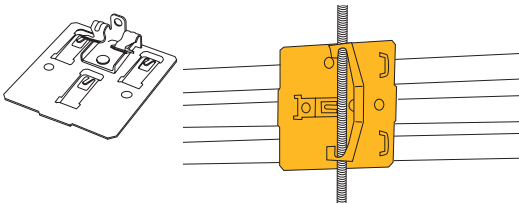
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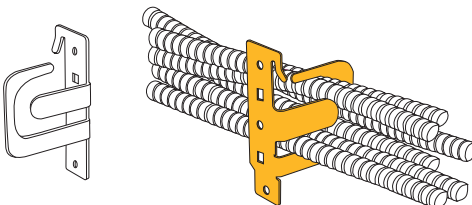
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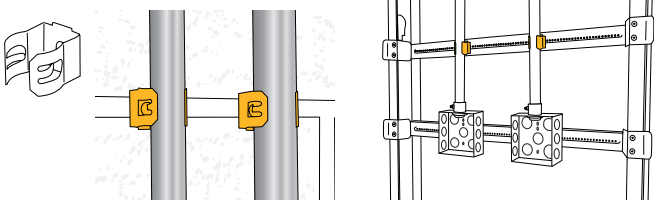
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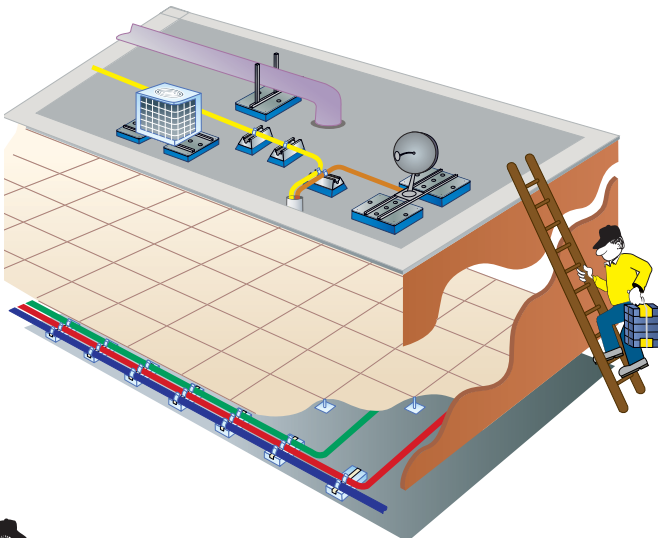
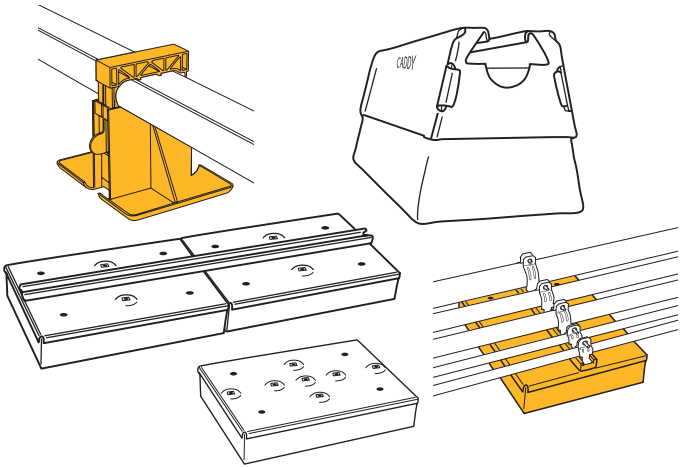
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Applications

CONDUIT/CABLE



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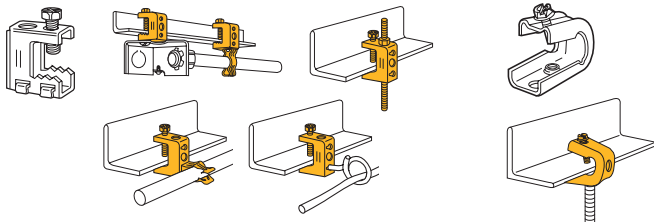


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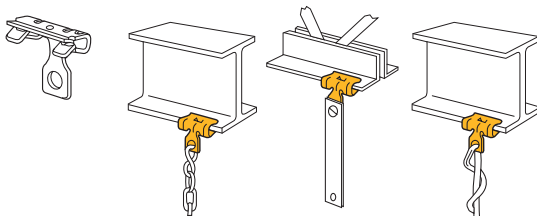
Applications

BEAM/PURLIN

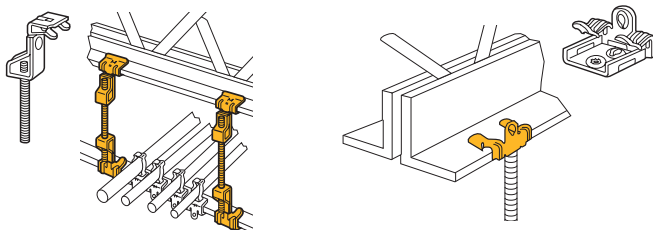


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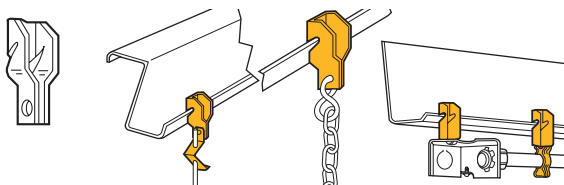


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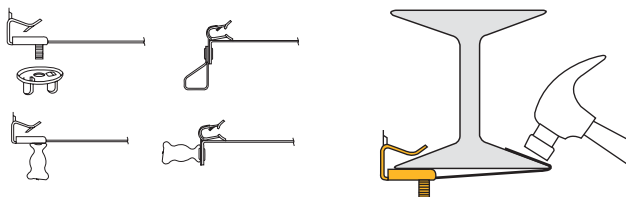


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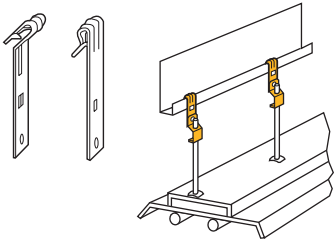
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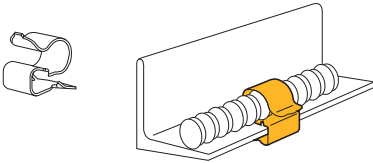
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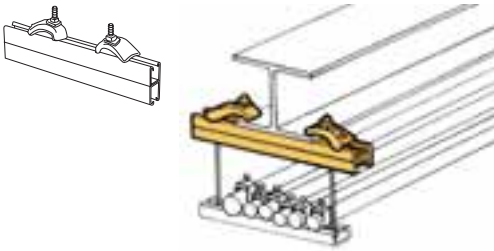
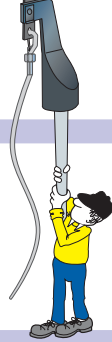
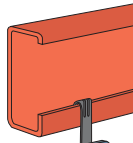
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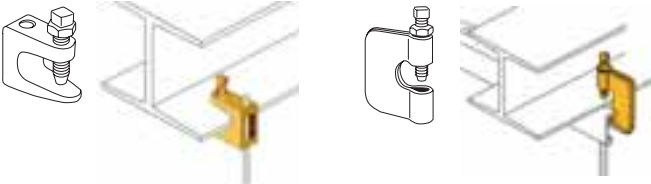
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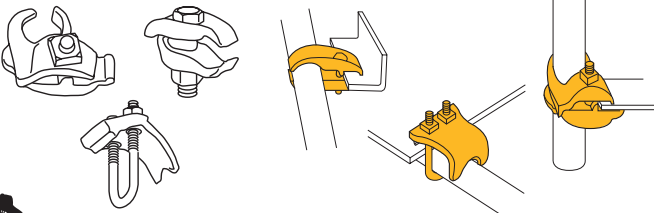


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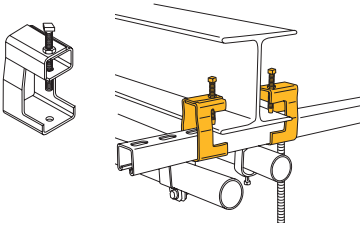
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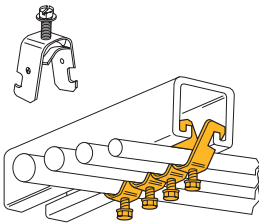
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Applications

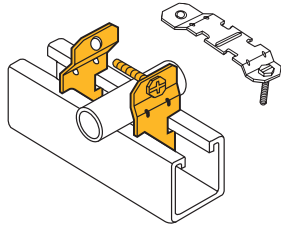
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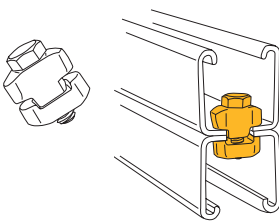
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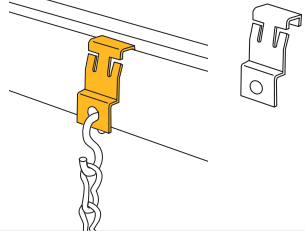
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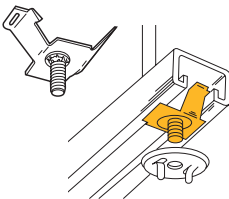
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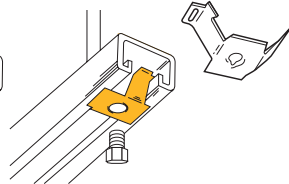
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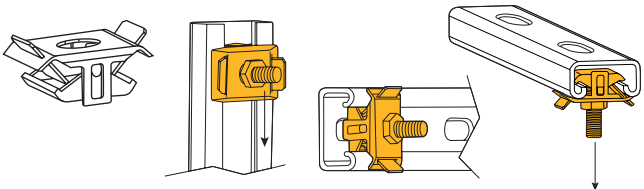
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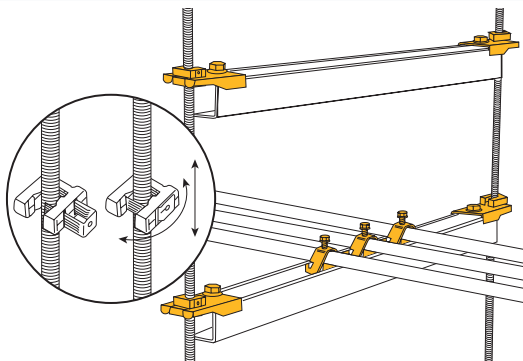


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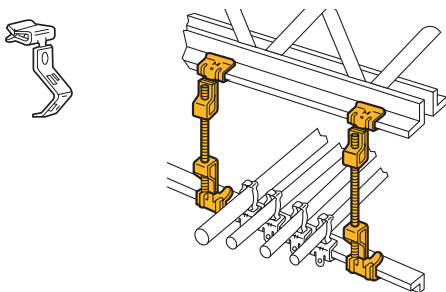


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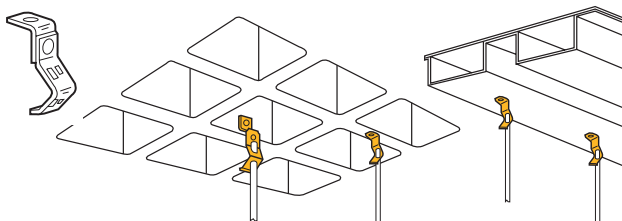
HANGERS/HANGING SYSTEMS



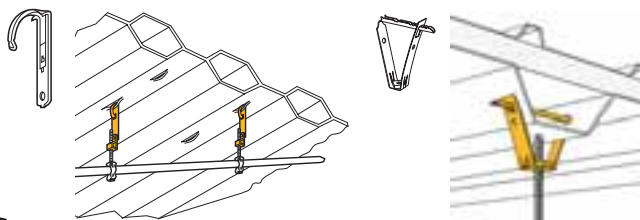
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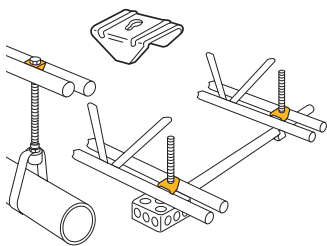
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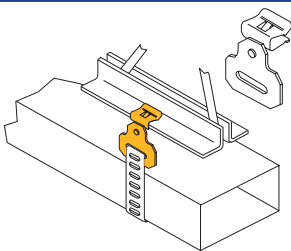


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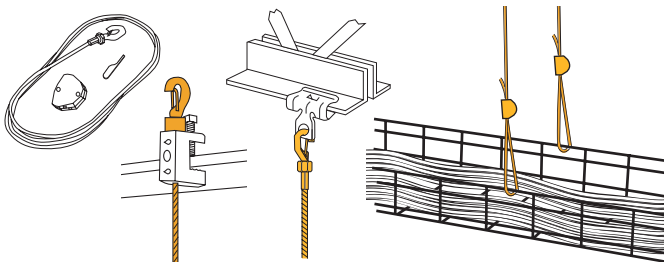
HANGERS/HANGING SYSTEMS



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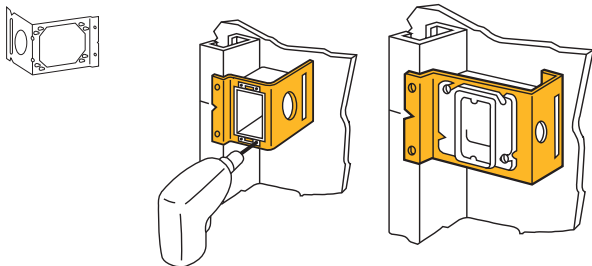


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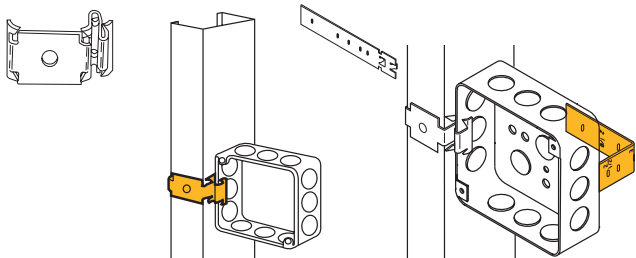


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STUD WALL



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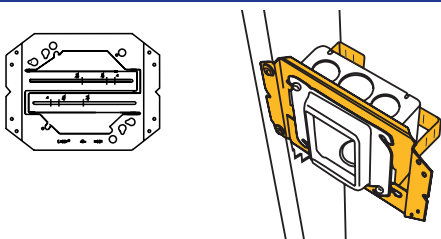


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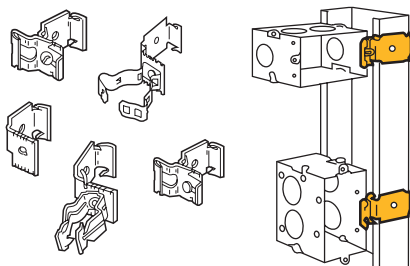
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Applications

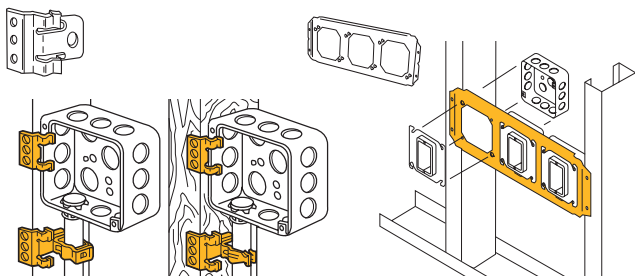
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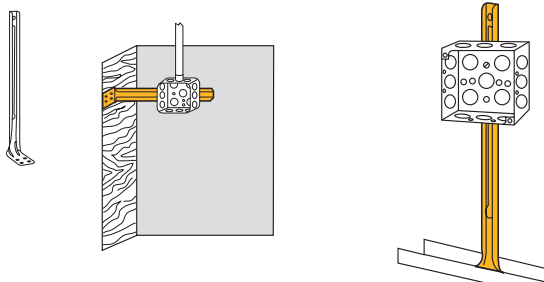


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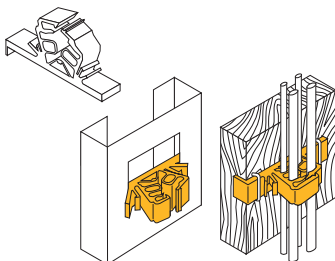


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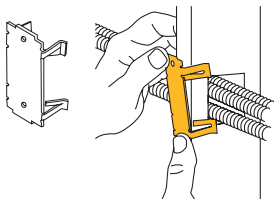


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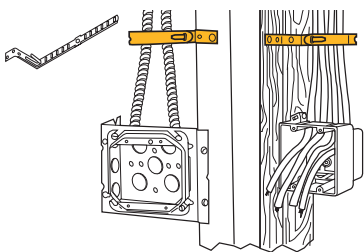
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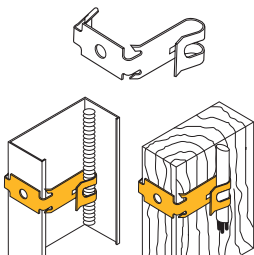
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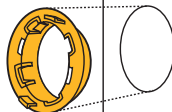
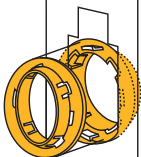
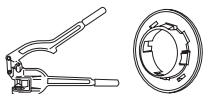
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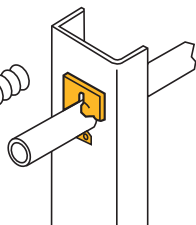
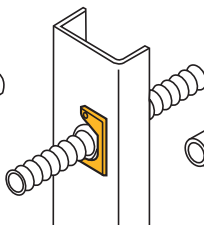
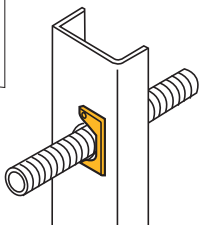
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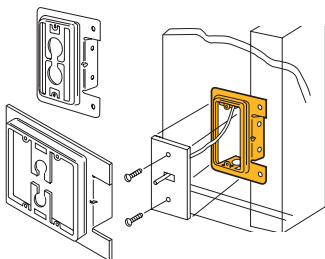
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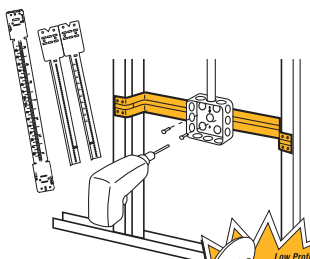
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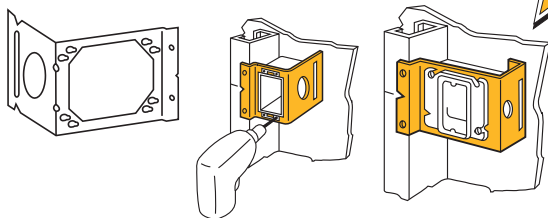
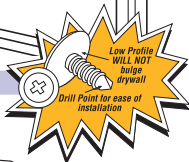
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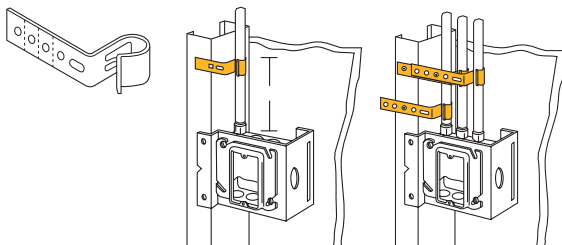
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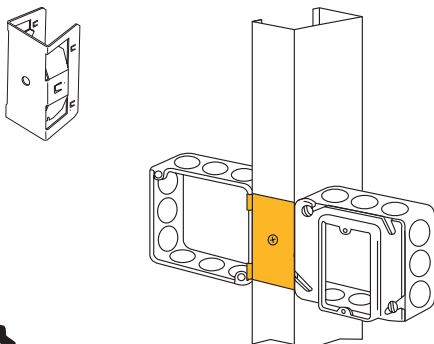
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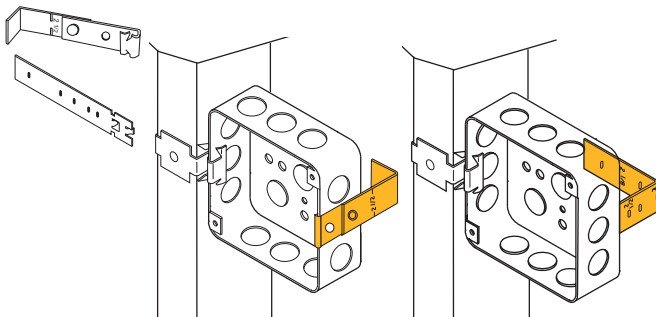


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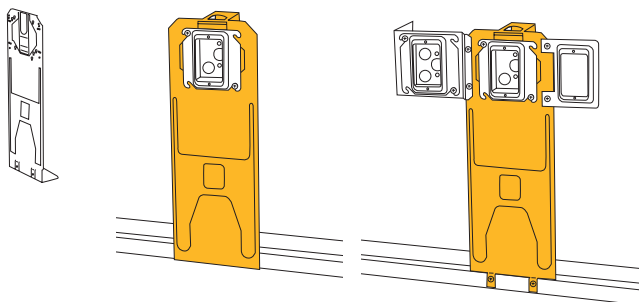


Applications

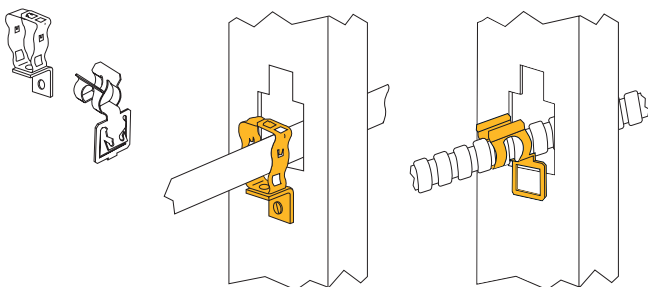
STUD WALL



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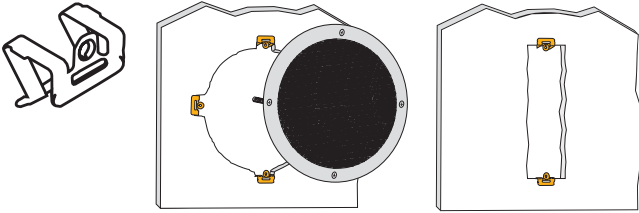
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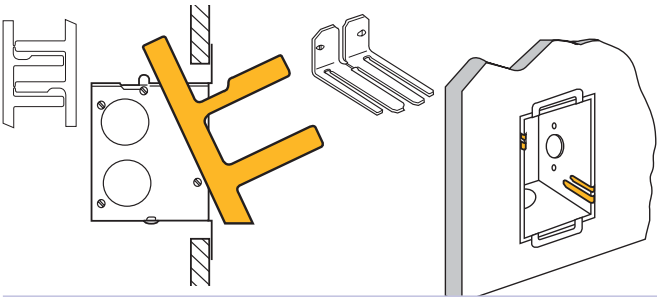
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Applications

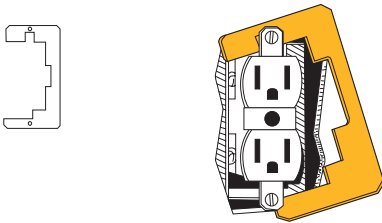
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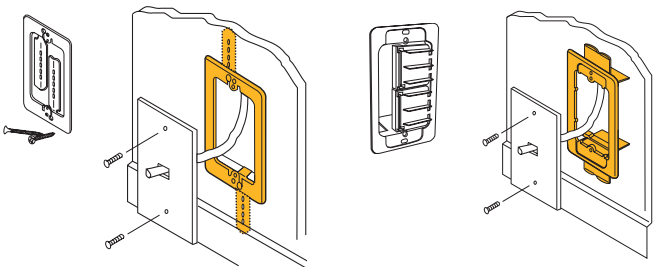
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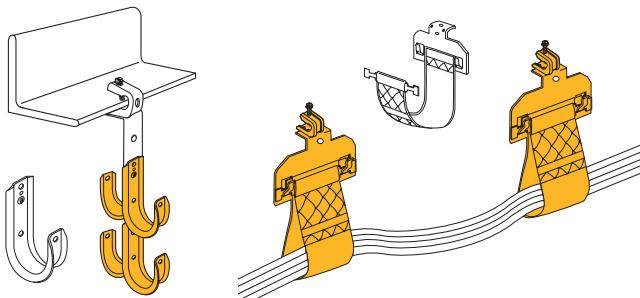
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SEE PAGE 148, 169



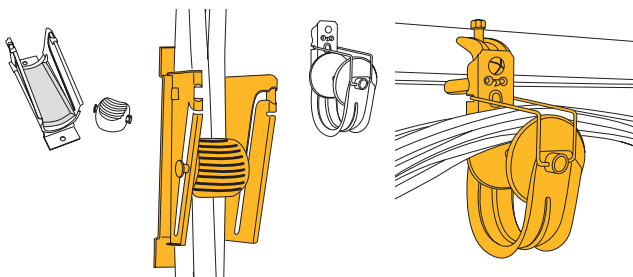
Applications

LOW VOLTAGE/DATACOMM



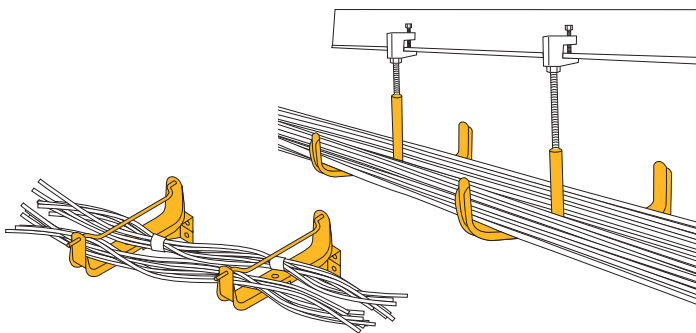
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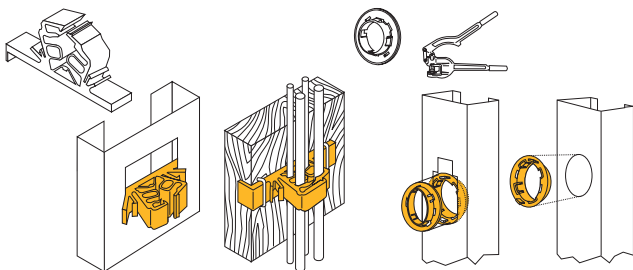
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SEE PAGES 162-163

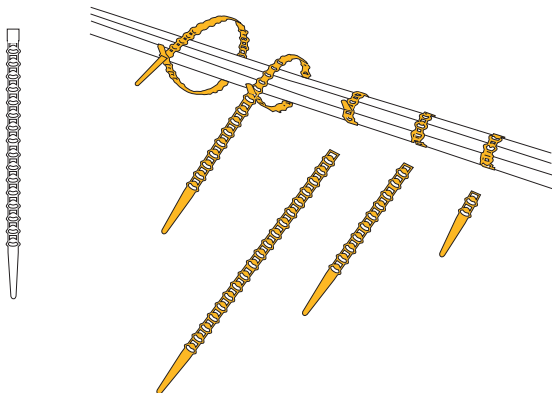
Applications

LOW VOLTAGE/DATACOMM

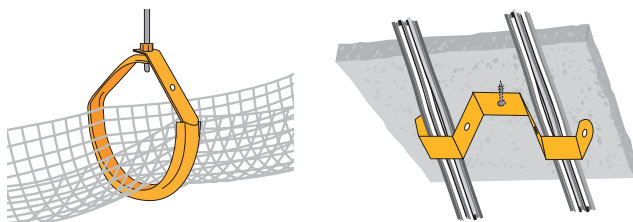


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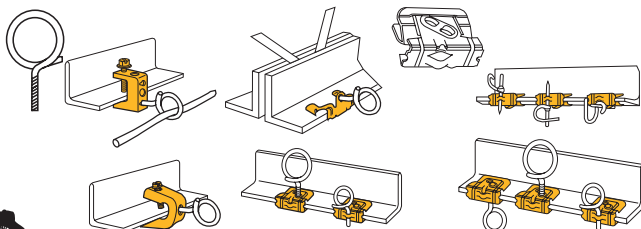


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SEE PAGES 162-163



SEE PAGE 173

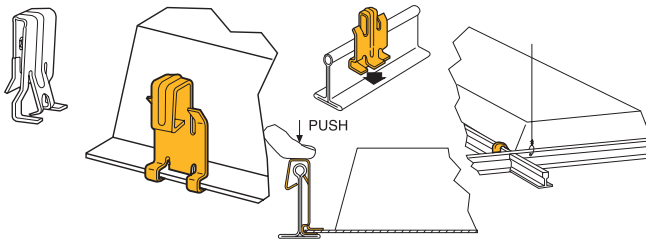
SEE PAGE 172



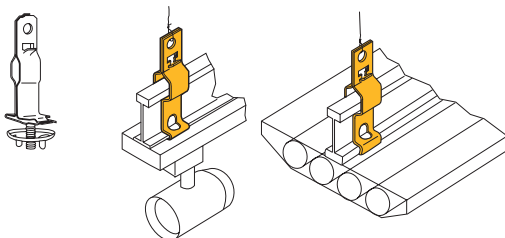
CADDY

Applications

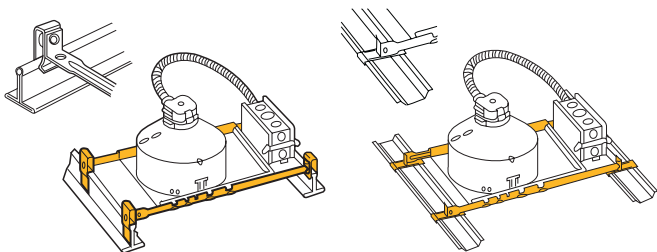
ACOUSTICAL



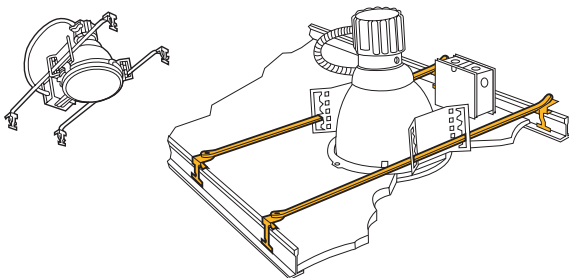
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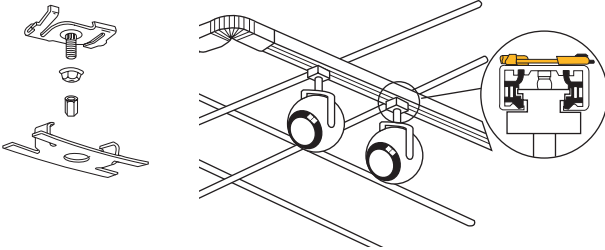
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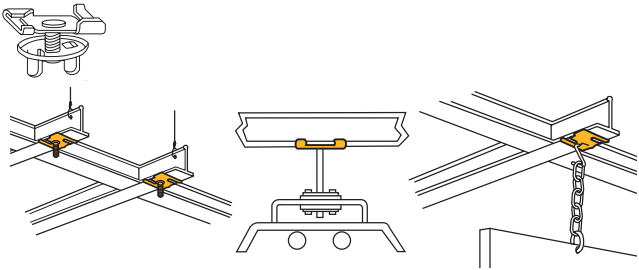
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Applications

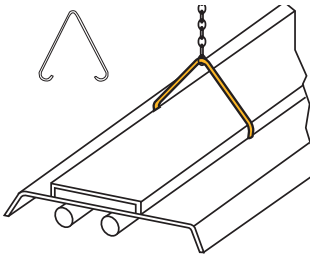
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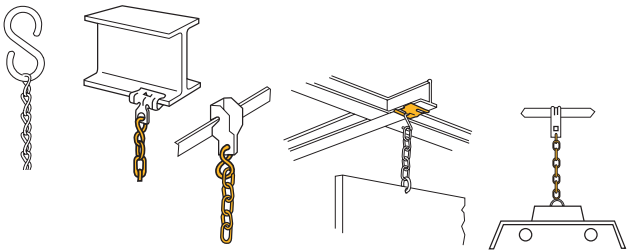
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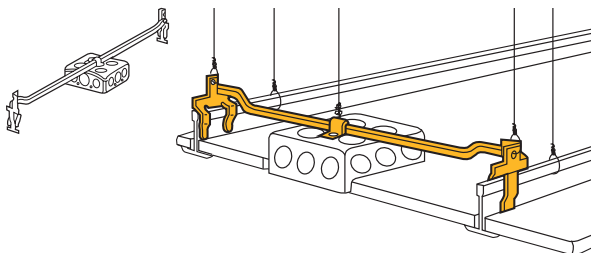


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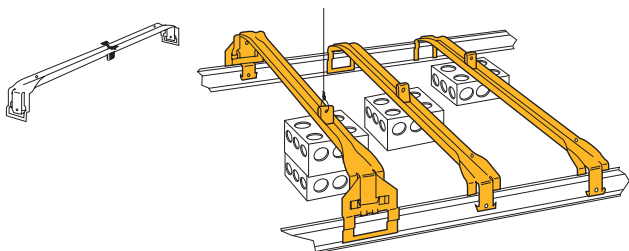


Applications

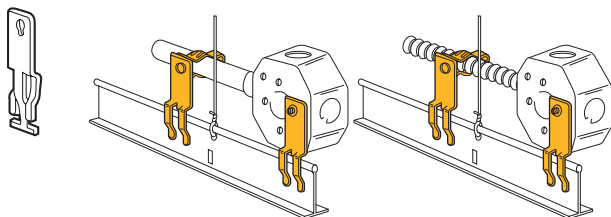
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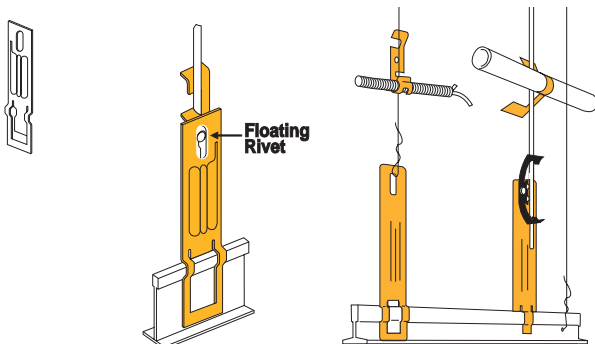
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SEE PAGE 186



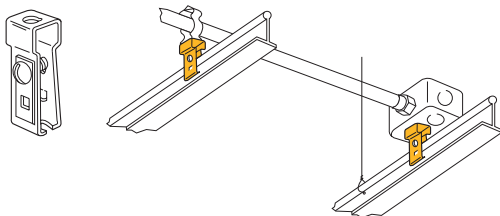
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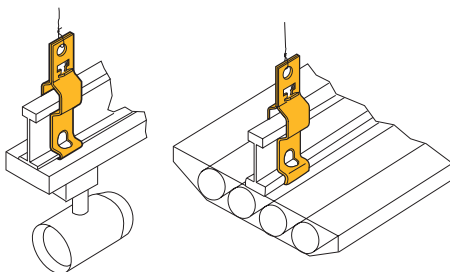
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Applications

ACOUSTICAL

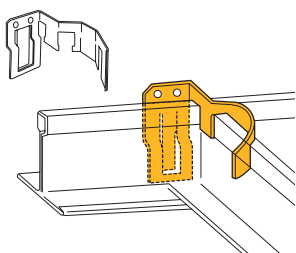


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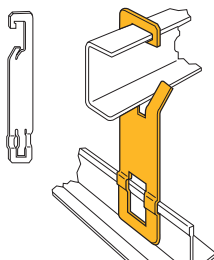


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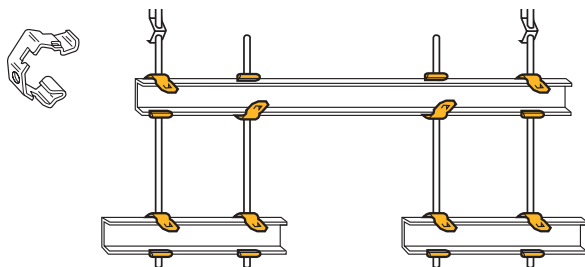
CEILING/PARTITIONS



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SEE PAGE 193

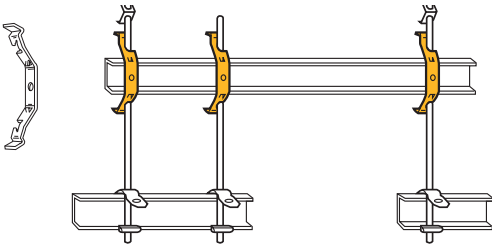


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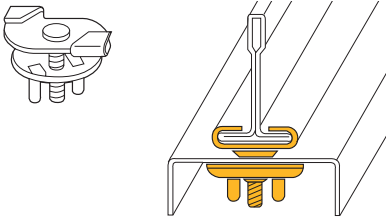


Applications

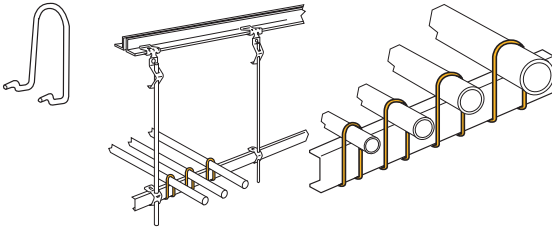
CEILING/PARTITIONS



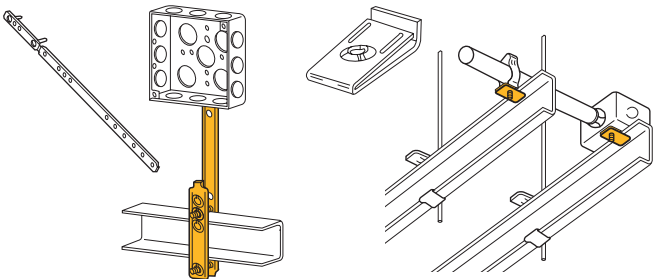
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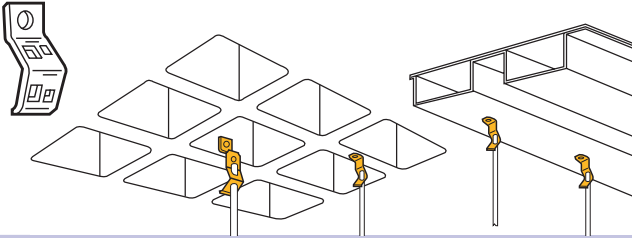


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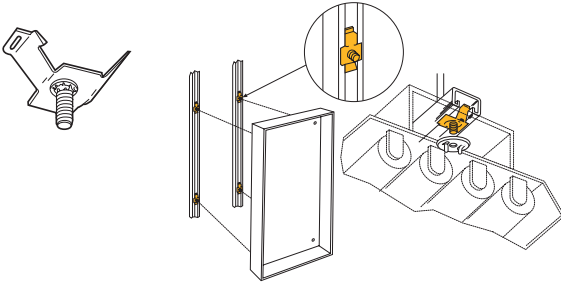
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Applications

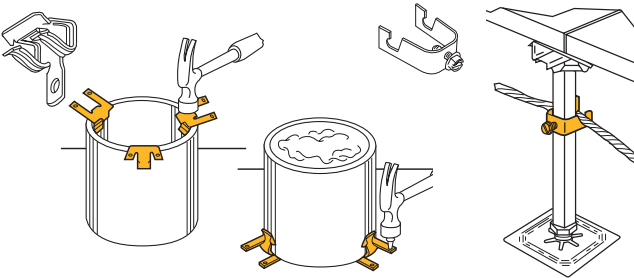
MISC. COMPONENTS



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SEE PAGE 205



Code Compliance

2005 National Electrical Code®

2002 Canadian Electrical Code®

A handbook of recommended
CADDY® Fasteners for easy
compliance to the fastening
requirements of the 2005 NEC®
and 2002 CEC®



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Code Compliance

The intent of this publication is to help the electrical industry meet the 2005 National Electrical Code requirements in North America as they relate to fastening applications. (See page 48 for 2002 Canadian Electrical Code.) Shown are a variety of solutions.

NOTE: Consult the AHJ (authority having jurisdiction) as local codes may supersede the National Electrical Code® – ERICO®, Inc.

2005 NEC Article 90

Introduction

90.3 Code Arrangement.

Chapter 8 covers communications systems and is not subject to the requirements of Chapters 1 through 7 except where the requirements are specifically referenced in Chapter 8. [See page 43]

90.4 Enforcement.

...The authority having jurisdiction for enforcement of the Code has the responsibility for making interpretations of the rules, for deciding on the approval of equipment and materials, and for granting the special permission contemplated in a number of the rules.

By special permission, the authority having jurisdiction may waive specific requirements in this Code or permit alternative methods where it is assured that equivalent objectives can be achieved by establishing and maintaining effective safety.

2005 NEC Article 300

Wiring Methods

300.4 Protection Against Physical Damage.

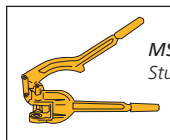
Where subject to physical damage, conductors shall be protected.

(B) Nonmetallic-Sheathed Cables and Electrical Nonmetallic Tubing through Metal Framing Members.

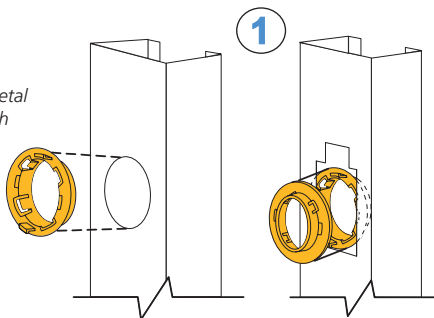
(1) **Nonmetallic-Sheathed Cable.** ... the cable shall be protected by listed bushings or listed grommets covering all metal edges that are securely fastened in the opening prior to installation of the cable. [See Fig. 1]

Reference
CEC 12-516
CEC 12-616

ESG1 Grommet for 360° Protection of Nonmetallic Sheathed Cable and Tubing. ("V" and "U" Shaped Grommets and Retrofit Bushings Disallowed. Grommets/Bushings must be listed.)



MSP20 Metal Stud Punch



Code Compliance

300.4 Protection Against Physical Damage. (continued)

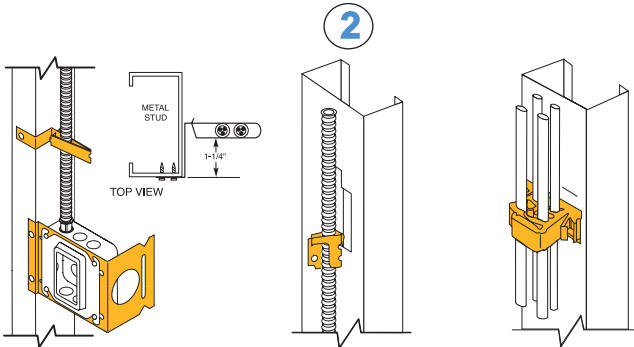
(D) Cables and Raceways Parallel to Framing Members.

...the cable or raceway shall be installed and supported...not less than 32 mm (1 1/4 in.) from the nearest edge of the framing member...where nails

or screws are likely to penetrate. [See Fig. 2]

Where this distance cannot be maintained, the cable or raceway shall be protected from penetration by nails or screws by a steel plate, sleeve, or equivalent at least 1.6 mm (1/16 in.) thick... [See Fig. 3A & 9 on page 37]

Exception No. 3: A listed and marked steel plate less than 1.6 mm (1/16 in.) thick that provides equal or better protection against nail or screw penetration shall be permitted.

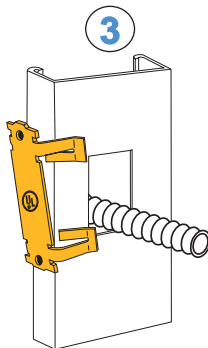


CJ6 Cable Support for MC/AC and Nonmetallic Sheathed Cable

MAC2 Series for MC/AC Cable

CG4 Cable Gripper for Nonmetallic Sheathed Cable or low-voltage wiring to wood and metal stud

Reference
CEC 12-510
CEC 12-516
CEC 12-618



304B2 Press-on Protection Plates For Wood and Metal Studs

Reference
CEC 12-516
CEC 12-618

Code Compliance

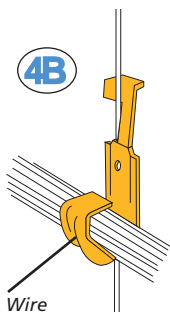
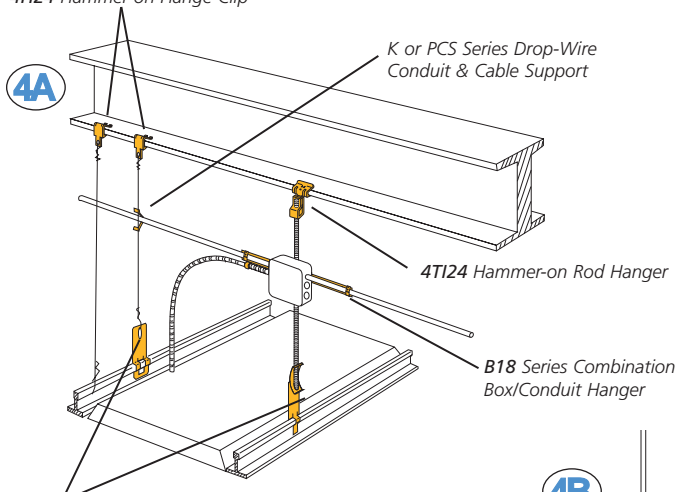
300.11 Securing and Supporting.

(A) **Secured in Place.** Raceways, cable assemblies, boxes, cabinets and fittings shall be securely fastened in place. Support wires that do not provide secure support shall not be permitted as the sole support. Support wires and associated fittings that provide secure support and that are installed in addition to the ceiling grid support wires shall be permitted as the sole support. Where independent support wires are used, they shall be secured at both ends. Cables and raceways shall not be supported by ceiling grids.

(1) **Fire-Rated Assemblies.** Wiring located within the cavity of a fire-rated floor-ceiling or roof-ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided and shall be permitted to be attached to the assembly. Where independent support wires are used, they shall be distinguishable by color, tagging, or other effective means from those that are part of the fire-rated design. [See Fig. 4A and 4B]

(2) **Non-Fire-Rated Assemblies.** Wiring located within the cavity of a non-fire-rated floor-ceiling or roof-ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided. [See page 45 for more details relating to 300.11 and fastener solutions.]

4H24 Hammer-on Flange Clip



Code Compliance

2005 NEC Article 310 Conductors for General Wiring

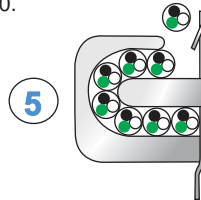
310.15 Ampacities for Conductors Rated 0-2000 Volts 310.15(B)(2) Adjustment Factors

Exception No. 5: Adjustment factors shall not apply to Type AC cable or to Type MC cable without an overall outer jacket under the following conditions:

- (a) Each cable has not more than three current-carrying conductors.
- (b) The conductors are 12 AWG copper.
- (c) Not more than 20 current carrying conductors are bundled, stacked, or supported on "bridle rings".

A 60 percent adjustment factor shall be applied where the current-carrying conductors in these cables that are stacked or bundled longer than 600 mm (24 in.) without maintaining spacing exceeds 20.

(b) More Than One Conduit, Tube, or Raceway. Spacing between conduits, tubing, or raceways shall be maintained.



2005 NEC Article 314 Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Manholes

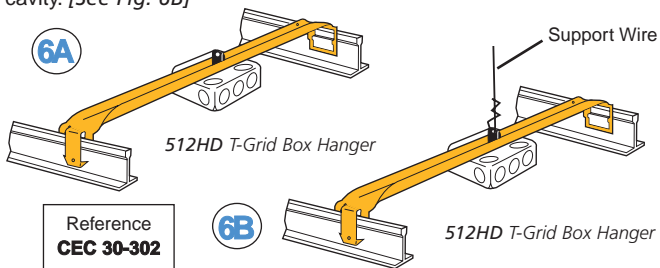
314.23 Supports.

Enclosures within the scope of this article shall be supported in accordance with one or more of the provisions in 314.23(A) through (H).

(D) Suspended Ceilings. An enclosure mounted to structural or supporting elements of a suspended ceiling shall be not more than 1650 cm³ (100 in.³) in size and shall be securely fastened in place in accordance with either (D)(1) or (D)(2).

(1) Framing Members. An enclosure shall be fastened to the framing members by mechanical means such as bolts, screws, or rivets, or by the use of clips or other securing means identified for use with the type of ceiling framing member(s) and enclosure(s) employed. The framing members shall be adequately supported and securely fastened to each other and to the building structure. [See Fig. 6A]

(2) Support Wires. The installation shall comply with the provisions of 300.11(A). The enclosure shall be secured, using methods identified for the purpose, to ceiling support wire(s), including any additional support wire(s) installed for that purpose. Support wire(s) used for enclosure support shall be fastened at each end so as to be taut within the ceiling cavity. [See Fig. 6B]



Code Compliance

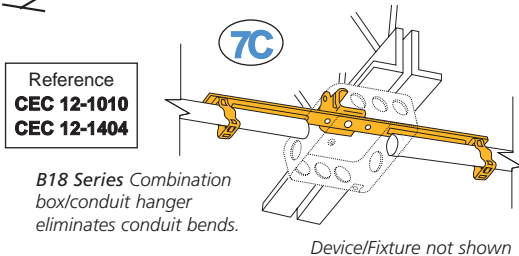
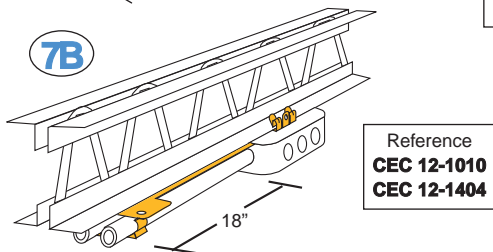
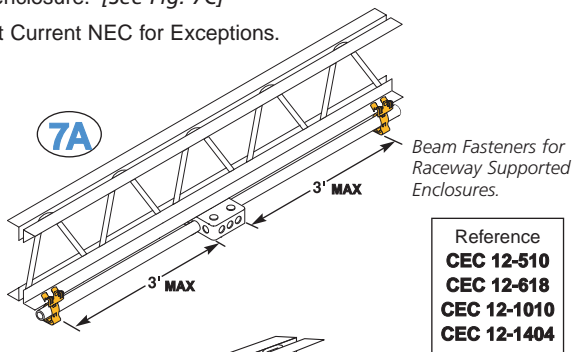
314.23 Supports. (continued)

(E) Raceway Supported Enclosure, Without Devices, Luminaires (Fixtures), or Lampholders. Each conduit shall be secured within 900 mm. (3 ft.) of the enclosure, or within 450 mm. (18 in.) of the enclosure if all conduit entries are on the same side. [See Fig. 7A & 7B]

Consult Current NEC for Exceptions.

(F) Raceway Supported Enclosures, with Devices, Luminaires (Fixtures), or Lampholders. Each conduit shall be secured within 450 mm. (18 in.) of the enclosure. [See Fig. 7C]

Consult Current NEC for Exceptions.



314.27 Outlet Boxes.

(B) Maximum Luminaire (Fixture) Weight. Outlet boxes or fittings installed as required by 314.23 shall be permitted to support luminaires (lighting fixtures) weighing 23 kg. (50 lb.) or less. A luminaire (lighting fixture) that weighs more than 23 kg. (50 lb.) shall be supported independently of the outlet box unless the outlet box is listed for the weight to be supported. [See Fig. 6B on page 35]



Code Compliance

2005 NEC Article 320 Armored Cable: Type AC

320.2 Definition.

Armored Cable, Type AC. A fabricated assembly of insulated conductors in a flexible metallic enclosure. See 320.100.

320.17 Through or Parallel to Framing Members.

Type AC cable shall be protected in accordance within 300.4...where installed through or parallel to framing members.

320.30 Securing and Supporting.

General. Type AC cable shall be supported and secured by staples, cable ties, straps, hangers, or similar fittings, designed and installed so as not to damage the cable.

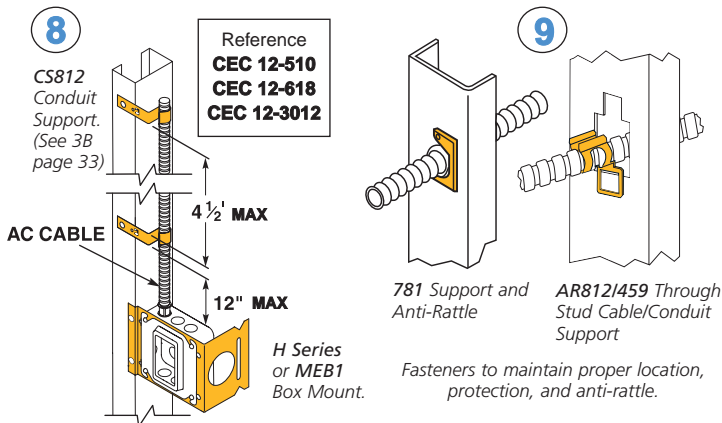
Securing. Unless otherwise provided, Type AC cable shall be secured within 300 mm (12 in.) of every outlet box, junction box, cabinet, or fitting and at intervals not exceeding 1.4 m (4-1/2 ft) where installed on or across framing members.

Supporting. Unless otherwise provided, Type AC cable shall be supported at intervals not exceeding 1.4 m (4-1/2 ft).

Horizontal runs of Type AC cable installed in wooden or metal framing members or similar supporting means shall be considered supported where such support does not exceed 1.4-m (4-1/2-ft) intervals.

320.80 Ampacity.

The ampacity shall be determined by 310.15. [See Fig. 5 on page 35].



2005 NEC Article 330 Metal-Clad Cable: Type MC

330.2 Definition.

Metal Clad Cable, Type MC. A factory assembly of one or more insulated circuit conductors with or without optical fiber members enclosed in an armor of interlocking metal tape, or a smooth or corrugated metallic sheath.

330.17 Through or Parallel to Framing Members.

Type MC cable shall be protected in accordance with 300.4...where installed through or parallel to framing members.

Code Compliance

330.30 Securing and Supporting.

General. Type MC cable shall be supported and secured by staples, cable ties, straps, hangers, or similar fittings or other approved means designed and installed so as not to damage the cable.

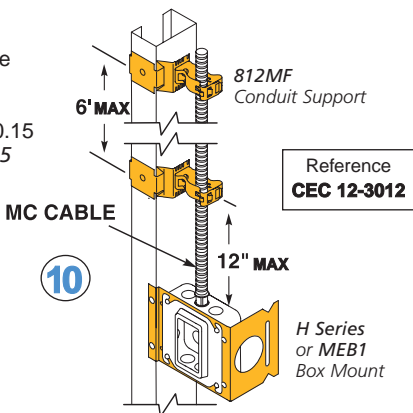
Securing. Unless otherwise provided, cables shall be secured at intervals not exceeding 1.8 m (6 ft). Cables containing four or fewer conductors sized no larger than 10 AWG shall be secured within 300 mm (12 in.) of every box, cabinet, fitting, or other cable termination.

Supporting. Unless otherwise provided, cables shall be supported at intervals not exceeding 1.8 m (6-ft).

Horizontal runs of Type MC cable installed in wooden or metal framing members or similar supporting means shall be considered supported and secured where such support does not exceed 1.8-m (6-ft) intervals.

330.80 Ampacity.

The ampacity of Type MC cable shall be determined in accordance with 310.15 or 310.60. [See Fig. 5 on page 35].



2005 NEC Article 334
Nonmetallic-Sheathed Cable: Types NM, NMC, and NMS

334.2 Definition.

Nonmetallic-Sheathed Cable. A factory assembly of two or more insulated conductors having an outer sheath of nonmetallic material.

334.17 Through or Parallel to Framing Members.

Types NM, NMC, or NMS cable shall be protected in accordance with 300.4 where installed through or parallel to framing members. Grommets used as required in 300.4(B)(1) shall remain in place and be listed for the purpose of cable protection. [See Fig. 1 on page 32]

334.30 Securing and Supporting.

Nonmetallic-sheathed cable shall be supported and secured by staples, cable ties, straps, hangers, or similar fittings designed and installed so as not to damage the cable, at intervals not exceeding 1.4 m (4-1/2 ft) and within 300 mm (12 in.) of every outlet box, junction box, cabinet, or fitting.

(A) Horizontal Runs through Holes and Notches. In other than vertical runs, cables installed in accordance with 300.4 shall be considered supported and secured where such support does not exceed 1.4 m (4 1/2 ft.) intervals and the nonmetallic sheathed cable is securely fastened in place by an approved means within 300 mm. (12 in.) of each box, cabinet, conduit body, or other nonmetallic sheathed cable termination.



Code Compliance

NEC 2005 Article 342 Intermediate Metal Conduit: Type IMC

342.30 Securing and Supporting.

IMC shall be installed as a complete system in accordance with 300.18 and shall be securely fastened in place and supported in accordance with 342.30(A) and (B).

(A) **Securely Fastened.** Each IMC shall be securely fastened within 900 mm. (3 ft.) of each outlet box, junction box, device box, cabinet, conduit body, or other conduit termination. Fastening shall be permitted to be increased to a distance of 1.5 m. (5 ft.) where structural members do not readily permit fastening within 900 mm. (3 ft.). Where approved, conduit shall not be required to be securely fastened within 900 mm. (3 ft.) of the service head for above-the-roof termination of a mast. [See Fig. 6 on page 35]

(B) **Supports.** IMC shall be supported in accordance with one of the following:

(1) Conduit shall be supported at intervals not exceeding 3 m. (10 ft.).

[See Fig. 12A]

(2) The distance between supports for straight runs of conduit shall be permitted in accordance with Table 344.30(B)(2), provided the conduit is made up with threaded couplings and such supports prevent transmission of stresses to termination where conduit is deflected between supports.

NEC 2005 Article 344 Rigid Metal Conduit: Type RMC

344.30 Securing and Supporting.

RMC shall be installed as a complete system in accordance with 300.18 and shall be securely fastened in place and supported in accordance with 344.30(A) and (B).

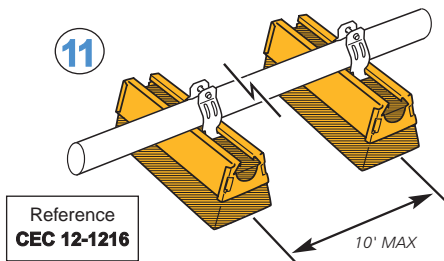
(A) **Securely Fastened.** RMC shall be securely fastened within 900 mm. (3 ft.) of each outlet box, junction box, device box, cabinet, conduit body, or other conduit termination. Fastening shall be permitted to be increased to a distance of 1.5 m. (5 ft.) where structural members do not readily permit fastening within 900 mm. (3 ft.). Where approved, conduit shall not be required to be securely fastened within 900 mm. (3 ft.) of the service head for above-the-roof termination of a mast. [See Fig. 6]

(B) **Supports.** RMC shall be supported in accordance with one of the following.

(1) Conduit shall be supported at intervals not exceeding 3 m. (10 ft.).

(2) The distance between supports for straight runs of conduit shall be permitted in accordance with Table 346.30(B)(2), provided the conduit is made up with threaded couplings, and such supports prevent transmission of stresses to termination where conduit is deflected between supports. [See Fig. 11]

CADDY® PYRAMID
Pipe & Equipment Supports:
Alternative to wood blocks
for roof top applications.



Code Compliance

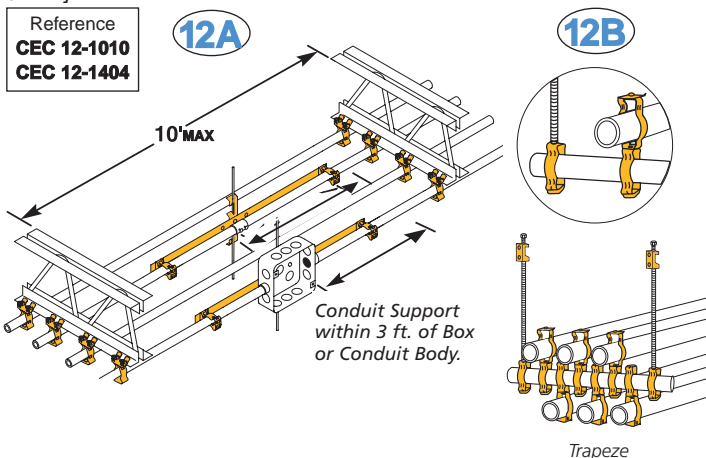
2005 NEC Article 358 Electrical Metallic Tubing: Type EMT

358.30 Securing and Supporting.

EMT shall be installed as a complete system in accordance with 300.18 and shall be securely fastened in place and supported in accordance with 358.30(A) and (B).

(A) Securely Fastened. EMT shall be securely fastened in place at least every 3 m. (10 ft.). In addition, each EMT run between termination points shall be securely fastened within 900 mm. (3 ft.) of each outlet box, junction box, device box, cabinet, conduit body, or other tubing termination. [See Fig. 12A]

(B) Supports. Horizontal runs of EMT supported by openings through framing members at intervals not greater than 3 m. (10 ft.) and securely fastened within 900 mm. (3 ft.) of termination points shall be permitted. [See Fig. 12A & 12B]



2005 NEC Article 362 Electrical Nonmetallic Tubing: Type ENT

362.2 Definition.

Electrical Nonmetallic Tubing (ENT). A nonmetallic pliable corrugated raceway of circular cross section with integral or associated couplings, connectors, and fittings for the installation of electric conductors. ENT is composed of a material that is resistant to moisture and chemical atmospheres and is flame retardant. A pliable raceway is a raceway that can be bent by hand with a reasonable force, but without other assistance.

362.30 Securing and Supporting.

ENT shall be installed as a complete system in accordance with 300.18 and shall be securely fastened in place and supported in accordance with 362.30(A) and (B).

(A) Securely Fastened. ENT shall be securely fastened at intervals not exceeding 900 mm. (3 ft.). In addition, ENT shall be securely fastened in place within 900 mm. (3 ft.) of each outlet box, device box, junction box, cabinet, or fitting where it terminates. [See Fig. 13]



Code Compliance

2005 NEC Article 392 Cable Trays

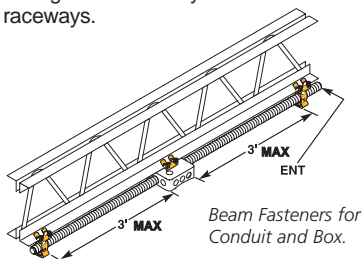
392.1 Scope.

This article covers cable tray systems, including ladder, ventilated trough, ventilated channel, solid bottom, and other similar structures.

FPN: For further information on cable trays, see ANSI/NEMA-VE 1-1998, *Metal Cable Tray Systems*; NEMA-VE 2-1996, *Metal Cable Tray Installation Guidelines*; and NEMA-FG-1998, *Nonmetallic Cable Tray Systems*.

392.2 Definition.

Cable Tray System. A unit or assembly of units or sections and associated fittings forming a structural system used to securely fasten or support cables and raceways.



13

Reference
CEC 12-1504

Beam Fasteners for
Conduit and Box.

2005 NEC Article 410 Luminaires (Lighting Fixtures), Lampholders, and Lamps

410.16 Means of Support.

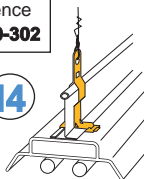
Outlet Boxes. Outlet boxes or fittings installed as required by 314.23 and complying with the provisions of 314.27(A) and 314.27(B) shall be permitted to support luminaires (fixtures). [See 6B on page 35]

(C) Suspended Ceilings. Framing members of suspended ceiling systems used to support luminaires (fixtures) shall be securely fastened to each other and shall be securely attached to the building structure at appropriate intervals. Luminaires (fixtures) shall be securely fastened to the ceiling framing member by mechanical means such as bolts, screws, or rivets. Listed* clips identified for use with the type of ceiling framing member(s) and luminaire(s) [fixture(s)] shall also be permitted. [See Fig. 14, 15A, 15B & 16]

Outlet Box Not Shown

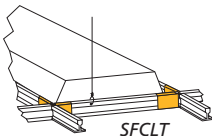
Reference
CEC 30-302

14



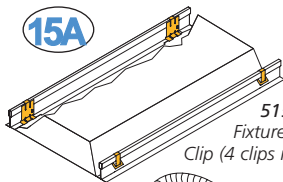
IDS Series Independent Support
Clip for Surface-mounted Fixture.

15B



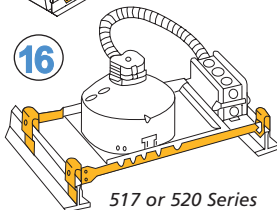
SFCLT

15A



515A Lay-in
Fixture Retainer
Clip (4 clips required).

16



517 or 520 Series
High Hat Fixture Support

Code Compliance

410.16 Means of Support. (continued)

[Article 100-Definitions]

***Listed.** Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that the equipment, material, or services either meets appropriate designated standards or has been tested and found suitable for a specified purpose.

FPN: The means for identifying listed equipment may vary for each organization concerned with product evaluation, some of which do not recognize equipment as listed unless it is also labeled. Use of the system employed by the listing organization allows the authority having jurisdiction to identify a listed product.

410.104 Fastening. Lighting track shall be securely mounted so that each fastening will be suitable for supporting the maximum weight of luminaires (fixtures) that can be installed. Unless identified for supports at greater intervals, a single section 1.2 m. (4 ft.) or shorter in length shall have two supports, and, where installed in a continuous row, each individual section of not more than 1.2 m. (4 ft.) in length shall have one additional support. [See Fig. 17A & 17B]

590.4 General.

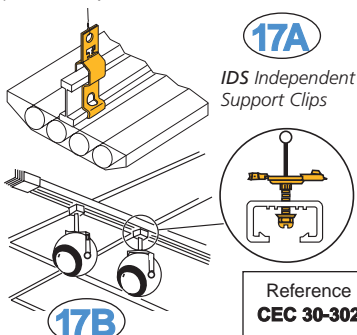
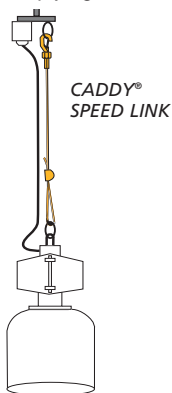
Support. Cable assemblies and flexible cords and cables shall be supported in place at intervals that ensure that they will be protected from physical damage. Support shall be in the form of staples, cable ties, straps, or similar type fittings installed so as not to cause damage. Vegetation shall not be used for support of overhead spans of branch circuits or feeders.

Exception: For holiday lighting in accordance with 590.3(B), where the conductors or cables are arranged with proper strain relief devices, tension take-up devices, or other approved means to avoid damage from the movement of the live vegetation, trees shall be permitted to be used for support of overhead spans of branch circuit conductors or cables.

604.6 Construction.

Securing and Supporting. Manufactured wiring systems shall be secured and supported in accordance with the applicable cable or conduit article for the cable or conduit type employed.

Luminaires (Fixtures). Installation of listed electric-discharge luminaires (fixtures) complying with 410.30(C) shall be permitted.



4G8 Series Twist On Track Lighting Clips
Minimum of 2 clips required for each 4 foot section



Code Compliance

NEC 2005 Article 725

Class 1, Class 2, and Class 3 Remote Control, Signaling, and Power-Limited Circuits

725.8 Mechanical Execution of Work.

Class 1, Class 2, and Class 3 circuits shall be installed in a neat and workmanlike manner. Cables and conductors installed exposed on the surface of ceilings and sidewalls shall be supported by the building structure in such a manner that the cable will not be damaged by normal building use. Such cables shall be supported by straps, staples, hangers, or similar fittings designed and installed so as not to damage the cable. The installation shall also conform with 300.4(D).

NEC 2005 Article 760

Fire Alarms

760.8 Mechanical Execution of Work.

Fire alarm circuits shall be installed in a neat workmanlike manner. Cables and conductors installed exposed on the surface of ceilings and sidewalls shall be supported by the building structure in such a manner that the cable will not be damaged by normal building use. Such cables shall be supported by straps, staples, hangers, or similar fittings designed and installed so as not to damage the cable. The installation shall also conform with 300.4(D).

NEC 2005 Article 770

Optical Fiber Cables and Raceways

770.24 Mechanical Execution of Work.

Optical fiber cables shall be installed in a neat and workmanlike manner. Cables installed exposed on the surface of ceilings and sidewalls shall be supported by the building structure in such a manner that the cable will not be damaged by normal building use. Such cables shall be secured by straps, staples, hangers, or similar fittings designed and installed so as not to damage the cable. The installation shall also conform with 300.4(D) and 300.11.

FPN: Accepted industry practices are described in ANSI/NECA/BICSI 568-2001, *Standard for Installing Commercial Building Telecommunications Cabling*, and other ANSI-approved installation standards.

NEC 2005 Article 800

Communications Circuits

800.24 Mechanical Execution of Work.

Communications circuits and equipment shall be installed in a neat and workmanlike manner. Cables installed exposed on the surface of ceilings and sidewalls shall be supported by the building structure in such a manner that the cable will not be damaged by normal building use. Such cables shall be secured by straps, staples, hangers, or similar fittings designed and installed so as not to damage the cable. The installation shall also conform with 300.4(D) and 300.11.

FPN: Accepted industry practices are described in ANSI/NECA/BICSI 568-2001, *Standard for Installing Commercial Building Telecommunications Cabling*, and other ANSI-approved installation standards.

Code Compliance

NEC 2005 Article 800 Communications Circuits (continued)

800.133 Installation of Communications Wires, Cables, and Equipment

Support of Conductors. Raceways shall be used for their intended purpose. Communications cables or wires shall not be strapped, taped, or attached by any means to the exterior of any conduit or raceway as a means of support.

800.154 Applications of Listed Communications Wires and Cables and Communications Raceways.

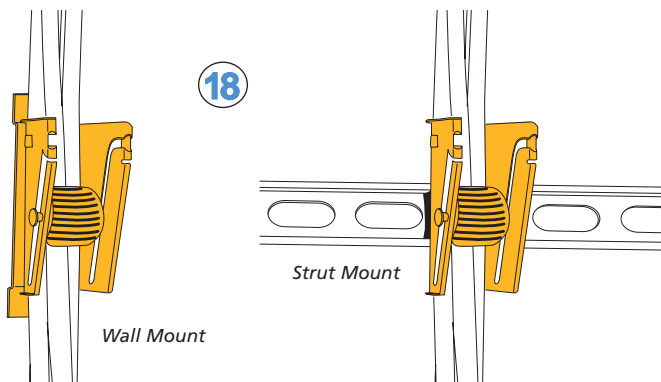
(B) **Riser.** Cables installed in risers shall comply with 800.154(B)(1), (B)(2), or (B)(3).

(1) **Cables in Vertical Runs.** Cables installed in vertical runs and penetrating more than one floor, or cables installed in vertical runs in a shaft, shall be Type CMR. Floor penetrations requiring Type CMR shall contain only cables suitable for riser or plenum use. Abandoned cables shall not be permitted to remain. Listed riser communications raceways shall be permitted to be installed in vertical riser runs in a shaft from floor to floor. Only Type CMR and CMP cables shall be permitted to be installed in these raceways. [See Fig. 18]

(E) **Other Wiring Within Buildings.**

(2) **In Raceways.** Listed communications wires that are enclosed in a raceway of a type included in Chapter 3 shall be permitted.

CADDY® CABLECAT Vertical Backbone Cable Supports



Code Compliance

ERICO® Commentary

Article 300-11 has resulted in more phone calls to ERICO than ever regarding code compliance. As a result we have discussed the code with electricians and inspectors from coast to coast. The following is a summation of these conversations. Always check with your local inspectors prior to installation.

Additional Drop-Wire and Drop-Rod Supports:

Although wiring can no longer be attached to drop wires/rods that support the suspended ceiling, additional dedicated wires/rods can be dropped separately to support wiring assembly. These drop wires/rods shall be properly secured (anchored) at both ends.

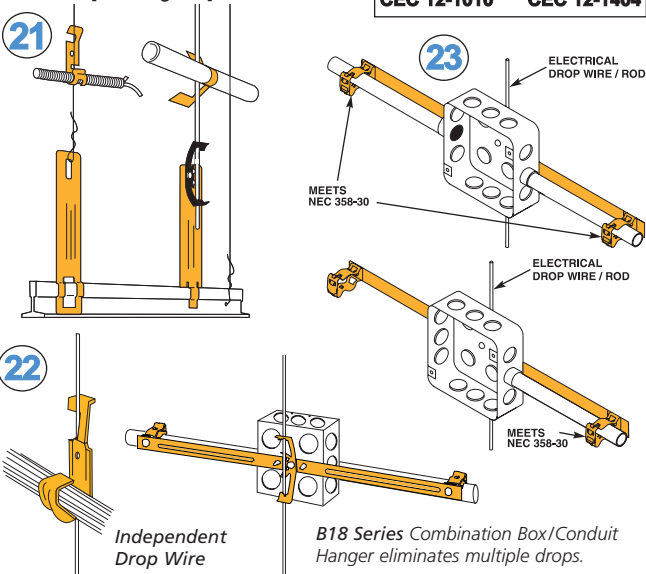
Fig. 21 EC311 Independent Electrical Drop-Wire Securing Clip attaches to the ceiling grid. Its bright yellow color allows it to be distinguished from ceiling wires and easily identified by inspectors.

Fig. 22 In case of a fire emergency in which the ceiling grid may be torn down, ERICO recommends the use of a clip that will release without stress on the electrical system.

Fig. 23 B18 Series: Using B18 series will reduce the number of drop wires needed. B18 series supports conduit on either side of a junction box. Holes in opposite ends of 18" bar accommodate 812M, 16M, 8P, 12P (etc.) conduit clips. A center hole accepts M24S, 4Z34, 6Z34 fasteners for attachment to threaded rod. Also complies with NEC Article 358.30. 2005 code now applies to low voltage cabling

[See Fig. 22]

Reference
CEC 12-1010 CEC 12-1404



Independent Drop Wire

B18 Series Combination Box/Conduit Hanger eliminates multiple drops.

Code Compliance

ERICO® Commentary (continued)

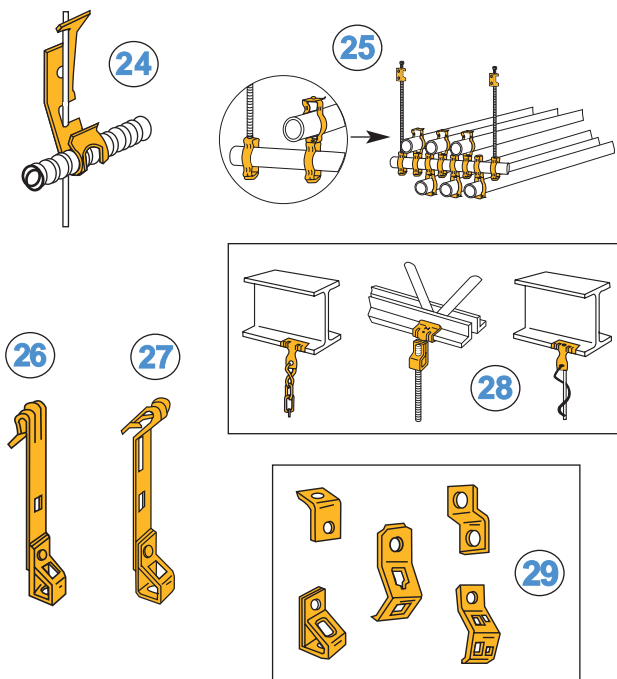
Fig. 24 PCS Series: Supports wiring from independent drop wires/rods. These will support MC/AC, 1/2 in. and 3/4 in. EMT and MC/AC cable. PCS will not bend the drop wire/rod, and is 25% faster to install than other methods.

Fig. 25 Trapeze: First attach threaded rods to the support structure with the CADDY® BC Series. Then, support the trapeze by using CADDY 16M4I series light weight trapeze clips. Use back-to-back M series to support 3/8 in. MC/AC cable through 1 in. conduits.

Fig. 26 and 27 For purlin applications: AF14 or VF14 series is designed for "C" [Fig. 24] or "Z" [Fig. 25] purlin that fits flanges from 1/16 in. to 1/4 in. There is a special tool, VAFT, designed for installing these fasteners from the ground - eliminating the need for ladders.

Fig. 28 Hammer-on clips can be installed directly to I-beams.

Fig. 29 Angle brackets are available for hanging plain or threaded rod to support raceway systems.



Code Compliance

2002 CANADIAN ELECTRICAL CODE

CEC 2002 Section 12 Wiring Methods

Nonmetallic Sheathed Cable

12-510 Running of Cable Between Boxes and Fittings

- (1) Where the cable is run between boxes and fittings, it shall be supported by straps or other devices located within 300 mm. of every box or fitting and at intervals of not more than 1.5 m. throughout the run. [See Fig. 2, 6 & 9]

12-516 Protection for Cable in Concealed Installations

- (1) Where the cable is run through studs, joists, or similar members, the outer surfaces of the cable shall be kept distant at least 32 mm. from the edges of the members or the cable shall be effectively protected from mechanical injury. [See Fig. 1, 3A & 3B]
- (2) Where the cable is run through or along metal studs, joists, sheathing, or cladding, it shall be:
 - (b) Protected where it passes through a member by an insert approved for the purpose and adequately secured in place; and [See Fig. 1]
 - (c) Supported where it runs along or parallel to a member by a support of insulating material to ensure isolation from the metal. [See Fig. 2]
- (3) Where the cable is installed immediately behind a baseboard, it shall be effectively protected from mechanical injury from driven nails. [See Fig. 3A]

Armoured Cable

12-616 Concealed Armoured Cable Installation

- (1) Where armoured cable is run through studs, joists, or similar members, the outer surfaces of the cable shall be:
 - (a) Located so that the outer circumference is at least 32 mm. from the nearest edge of the members; or
 - (b) Protected from mechanical injury where it passes through the holes in the members. [See Fig. 1 & 3]
- (2) Where armoured cable is installed immediately behind baseboards, it shall be protected from injury from driven nails. [See Fig. 3A]

12-618 Running of Cable Between Boxes, Etc.

Armoured cable shall be supported between boxes and fittings in accordance with Rule 12-510. [See Fig. 2, 6 & 9]

Rigid and Flexible Metal Conduit

12-1010 Maximum Spacing of Conduit Supports

- (1) All rigid metal conduit of one size shall be securely attached to hangers or to a solid surface with the maximum spacings of the points of support not greater than:
 - (a) 1.5 m. for 16 (1/2) and 21 (3/4) trade size conduit;
 - (b) 2 m. for 27 (1) and 35 (1 1/4) trade size conduit;
 - (c) 3 m. for 41 (1 1/2) trade size conduit and larger.
- (2) Where rigid metal conduits of mixed sizes are run in a group, the conduit supports shall be so arranged that the maximum support spacing will be that shown in subrule (1) for the smallest conduit.

Code Compliance

2002 CANADIAN ELECTRICAL CODE

- (3) When flexible metal conduit is installed, it shall be secured at intervals not exceeding 1.5 m. and within 300 mm. on each side of every outlet box or fitting except where flexible metal conduit is fished and except for lengths of not over 900 mm. at terminals where flexibility is necessary. [See Fig. 6, 7, 8, 12A & 22]

Rigid RTRC Conduit

12-1216 Conduit Supports

Where rigid RTRC conduit Type AG is run in accordance with Rule 12-1202(2) it shall be supported with hangers or clamps:

- (a) In such a manner as to permit adequate linear movement to allow for expansion and contraction due to temperature change; and
(b) With spacings of the supports not greater than permitted by Rule 12-1010. [See Fig. 11]

Electrical Metallic Tubing

12-1404 Supports

Electrical metallic tubing shall be installed as a complete system and shall be securely fastened in place within 1 m. of each outlet box, junction box, cabinet, coupling, or fitting, and the spacing between supports shall be in accordance with those specified in Rule 12-1010. [See Fig. 6, 7, 8, 12A, 12B & 22]

Electrical Non-Metallic Tubing

12-1504 Supports

Electrical nonmetallic tubing shall be securely fastened in place within 1 m. of each outlet box, junction box, cabinet, coupling or fitting, and the spacing between supports shall be not more than 1 m. [See Fig. 5 & 13]

Installations of Boxes, Cabinets, Outlets, and Terminal Fittings

12-3012 Outlet box Supports

- (1) Except as permitted by Subrule (6), boxes and fittings shall be firmly secured to studs, joists, or similar fixed structural units other than wooden, metal, or composition lath, in accordance with this Rule.
(4) Where boxes are mounted on metal studs, additional support shall be provided to prevent movement of the box after the drywall is installed. [See Fig. 9 & 10]

CEC 2002 Section 30 Installation of Lighting Equipment

30-302 Supports

- (1) Every luminaire and lampholder shall be securely supported.
[See Fig. 5A, 5B, 14, 15, 16, 17A & 17B]
(3) Where the weight of a luminaire does not exceed 13 kg., the luminaire shall be permitted to be supported by a wall outlet box attached directly to the building structure or by a wall outlet box attached to a bar hanger. [See Fig. 5A]
(4) Where the weight of a luminaire does not exceed 23 kg., the luminaire shall be permitted to be supported by a ceiling outlet box attached directly to the building structure or by a ceiling outlet box attached to a bar hanger. [See Fig. 5B & 15]



Conduit/Cable



Pages 49-76

Conduit/Cable

Conduit Clips

PATENT NUMBER
5,533,696

Features

- Available for M and P series, rigid and aluminum conduit.
- Can be used with Beam Clamps for both vertical and horizontal installation of conduit.
- Available with either a plain hole for 1/4" bolt or a 1/4-20 thread impression.
- Clips have finger close capability. 6M redesigned to work better with MC & AC cable.

Fig. 1

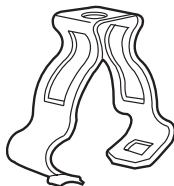
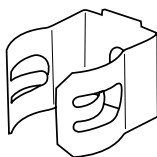


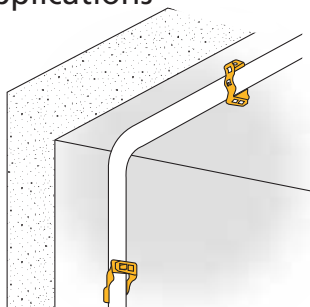
Fig. 2



Fig. 3



Applications

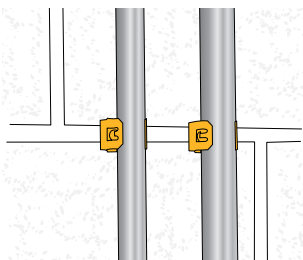


Combination Push-in Wall Clips

Features

- Quickly attaches pipe, conduit, MC/AC and tube to wall surfaces
- Just push in - there's no need to close the clip
- Reduces the need to stock multiple products
- Lightweight, one-piece designs
- Standoff design eliminates conduit bending
- Provides automatic alignment with electrical box knockouts
- Low-profile design minimizes snag potential
- Secure with powder-actuated tools, self-tapping concrete anchors or screw guns

Applications



Conduit/Cable

Sizing Chart

Load: M Series 100 lbs. Vertical • 25 lbs. Horizontal
P Series 25 lbs. Vertical • 15 lbs. Horizontal

PART NUMBER	FIG. NO.	CONDUIT SIZE	MOUNTING HOLE	QTY. PER BOX
6M	1	For 6M 14-2 thru 12-3 MC/AC and 3/8" Flexible Conduit	9/32" Plain	100
812M	1	1/2" to 3/4"	9/32" Plain	100
16M	1	1"	9/32" Plain	100
20M	1	1 1/4"	9/32" Plain	100
24M	1	1 1/2"	9/32" Plain	100
32M	1	2"	9/32" Plain	100
812M4I	1	1/2 to 3/4"	1/4-20 Thread Impression	100
6M4I	1	For 6M 14-2 thru 12-3 MC/AC and 3/8" Flexible Conduit	1/4-20 Thread Impression	100
16M4I	1	1"	1/4-20 Thread Impression	100
20M4I	1	1 1/4"	1/4-20 Thread Impression	100
24M4I	1	1 1/2"	1/4-20 Thread Impression	100
32M4I	1	2"	1/4-20 Thread Impression	100
8P	2	1/2"	9/32" Plain	100
12P	2	3/4"	9/32" Plain	100
16P	2	1"	9/32" Plain	100
8P4I	2	1/2"	1/4-20 Thread Impression	100
12P4I	2	3/4"	1/4-20 Thread Impression	100
16P4I	2	1"	1/4-20 Thread Impression	100

Sizing Chart

No load rating - Position Only

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
WC812	3	Combination Push-in Wall Clip • 1/2" and 3/4" EMT conduit • 1/2" Rigid, IMC, PVC SCH 40 • 5/8" & 3/4" Copper tube • MC/AC .700 - .925 O.D.	100

Conduit/Cable

Conduit Clamps with Bolts



CD SERIES



Features

- Fast and easy installation – Installs with screwdriver or nut driver.
- Accommodates 1/2" thru 4" EMT or rigid conduit.
- Mounting hole size CD0 thru CD3 for 1/4" bolt. CD4 thru CD9 for 5/16" bolt. Available in 3/8" mounting hole for 1/2" - 2" pipe. To order add suffix 37 (i.e. CD2B37).
- Retained bolt and built-in nut means there are less parts to handle or drop. Bright zinc finish.
- Can be used in locations where EMT or rigid conduit is used.

3/8" Mounting Hole Available

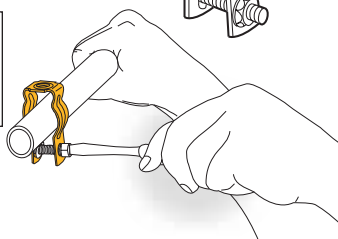
Fig. 1



Fig. 2



Also available in stainless steel 302. Contact ERICO® for price and delivery. To order add suffix SS (ie. CD2B-SS). Stainless do not have nutless feature.



Applications

See Page 80 for Assemblies (BC200 Series) CD0B through CD5B are UL & cUL Listed and meet or exceed UL Test Requirements

Sizing Chart

PART NUMBER	FIG. NO.	RIGID	CONDUIT SIZE		QTY. PER BOX
			EMT		
CD0B*	1	1/2"	1/2"		100
CD1B*	1	3/4"	3/4"		100
CD2B*	1	1	1		100
CD2.5B*	1	—	1 1/4"		100
CD3B*	1	1 1/4"	1 1/2"		100
CD4B*	1	1 1/2"	—		50
CD5B*	1	2	2		50
CD6B	2	2 1/2"	2 1/2"		25
CD7B	2	3	3		25
CD8B	2	3 1/2"	3 1/2"		10
CD9B	2	4	4		10

*Manufactured with retained bolt and built-in nut



Conduit/Cable

Flange-Mount Conduit Clip

Snap Close

Features

- Available with CADDY® CONDUIT CLIP bottom mounted or side mounted.
- Available for 3/8" thru 2" EMT, rigid and aluminum conduit.
- Requires only hammer and pliers to install.
- Will pivot thru 360°.

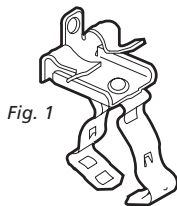


Fig. 1

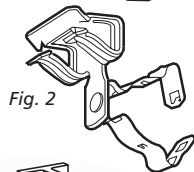
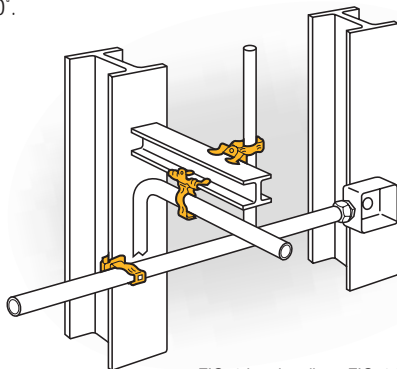


Fig. 2

Applications



Sizing Chart

FIG. 1 Load 75 lbs. • FIG. 2 Load 25 lbs.

FIG. 1 PART NUMBER	FIG. 2 PART NUMBER	DESCRIPTION	QTY. PER BOX
6M24	6M24SM	3/8" MC/AC cable to 1/8" to 1/4" flanges	100
6M58	6M58SM	3/8" MC/AC cable to 5/16" to 1/2" flanges	100
6M912	6M912SM	3/8" MC/AC cable to 9/16" to 3/4" flanges	100
812M24	812M24SM	1/2" to 3/4" conduit to 1/8" to 1/4" flanges	100
812M58	812M58SM	1/2" to 3/4" conduit to 5/16" to 1/2" flanges	100
812M912	812M912SM	1/2" to 3/4" conduit to 9/16" to 3/4" flanges	100
16M24	16M24SM	1" conduit to 1/8" to 1/4" flanges	100
16M58	16M58SM	1" conduit to 5/16" to 1/2" flanges	100
16M912	16M912SM	1" conduit to 9/16" to 3/4" flanges	100
20M24	20M24SM	1 1/4" conduit to 1/8" to 1/4" flanges	100
20M58	20M58SM	1 1/4" conduit to 5/16" to 1/2" flanges	100
20M912	20M912SM	1 1/4" conduit to 9/16" to 3/4" flanges	50
24M24	24M24SM	1 1/2" conduit to 1/8" to 1/4" flanges	50
24M58	24M58SM	1 1/2" conduit to 5/16" to 1/2" flanges	50
24M912	24M912SM	1 1/2" conduit to 9/16" to 3/4" flanges	50
32M24	32M24SM	2" conduit to 1/8" to 1/4" flanges	50
32M58	32M58SM	2" conduit to 5/16" to 1/2" flanges	50
32M912	32M912SM	2" conduit to 9/16" to 3/4" flanges	50

Conduit/Cable

Flange-Mount Conduit Clip

Push-In

Features

- Available with CADDY® CONDUIT CLIP bottom mounted or side mounted.
- Available for 1/2" thru 1" EMT, rigid and aluminum conduit.
- Requires only hammer to install.
- Will pivot thru 360°.

NOTE: When using rigid conduit on P series, use next size larger clip (1/2" Rigid use 12P).

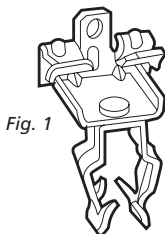
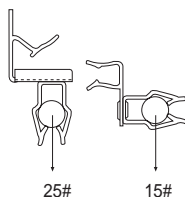


Fig. 1



Fig. 2

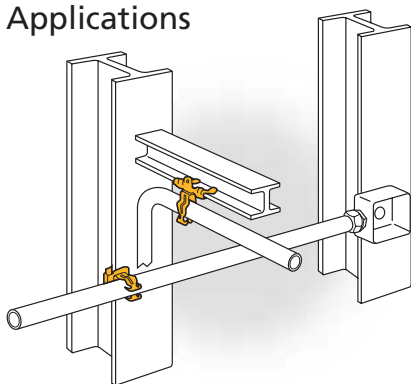


25#

15#

Indicated loads are static and should not be combined.

Applications



Sizing Chart

FIG. 1 Load 25 lbs. • FIG. 2 Load 15 lbs.

FIG. 1 PART NUMBER	FIG. 2 PART NUMBER	DESCRIPTION	QTY. PER BOX
8P24	8P24SM	1/2" conduit to 1/8" to 1/4" flanges	100
8P58	8P58SM	1/2" conduit to 5/16" to 1/2" flanges	100
8P912	8P912SM	1/2" conduit to 9/16" to 3/4" flanges	100
12P24	12P24SM	3/4" conduit to 1/8" to 1/4" flanges	100
12P58	12P58SM	3/4" conduit to 5/16" to 1/2" flanges	100
12P912	12P912SM	3/4" conduit to 9/16" to 3/4" flanges	100
16P24	16P24SM	1" conduit to 1/8" to 1/4" flanges	100
16P58	16P58SM	1" conduit to 5/16" to 1/2" flanges	100
16P912	16P912SM	1" conduit to 9/16" to 3/4" flanges	50



Conduit/Cable

Conduit Hangers

From Flange, Wire or Plain Rod*

for a better mousetrap see page 56

Features

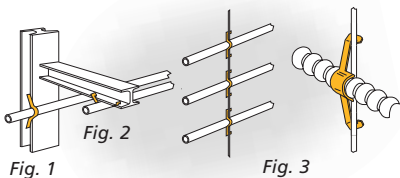
- Supports conduit (EMT, Rigid, ENT, MC/AC and Aluminum) to rods* or flanges.
- Can also be used for: flexible metallic tubing, armored cable, portable cables, control tubes, communications cable, etc.
- No installation tools required.

NOTE: May require dedicated drop wire/rod and EC311 (See Pgs. 34, 45, 190)
– Consult local authority.

*For horizontal application only.

The original "Bat Wings" in 1959

Applications



Sizing Chart

FIG. 1 Load 25 lbs. • FIG. 2 Load 100 lbs. • FIG. 3 Load 50 lbs

CONDUIT SIZE	#10 & #12 WIRE	#8 & #9 WIRE	3/16" & 1/4" ROD*	1/8" - 1/4" FLANGE	3/16" - 3/8" FLANGE	7/16" - 1/2" FLANGE
1/2" EMT	K8	K8	K8	K8	K12	K12
1/2" RIGID	K8	K12	K12	K12	K12	K16
3/4" EMT	K12	K12	K12	K12	K16	K16
3/4" RIGID	K12	K12	K16	K16	K20**	K20**
1" EMT	—	K16	K16	K16	K20**	K20**
1" RIGID	—	—	—	K20**	K20**	K20**
1 1/4" EMT	—	K20	K20	K20	—	—

**K Series packaged 100 per box.

KX - No load rating - positioning only

CABLE SIZE	WIRE SIZES		QTY. PER BOX
	#12	#10, #9, #8	
14-2 (.433-.475 O.D.)	KX	KX	100
14-3 (.453-.500 O.D.)	KX	KX	100
12-2 (.467-.510 O.D.)	KX	KX	100
12-3 (.489-.535 O.D.)	KX	K8	100

Conduit/Cable

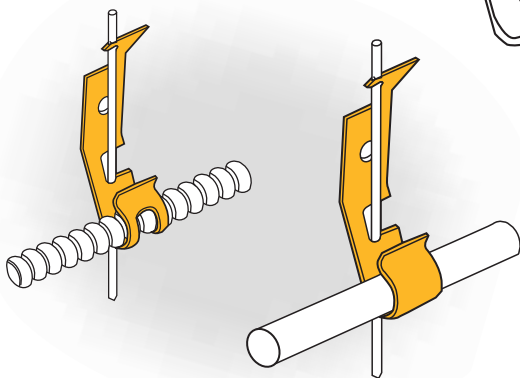
Cable/Conduit From Drop Wire Support

Features

- Supports cable and conduit without bending drop wire.
- Faster installation than traditional methods.

NOTE: May require dedicated drop wire/rod and EC311 (See Pgs. 34, 45, 190)
– Consult local authority.

Applications



PCS
Series



Fig. 1

Fig. 2

Sizing Chart

Ultimate Static Load 25 lbs.

PART NUMBER	FIG NO.	DESCRIPTION	QTY. PER BOX
PCS1	1	Flexible cable support from #8-#12 drop wire for MC/AC 14-2 through 12-3 with ground up to .600 O.D.	100
PCS2	2	Conduit/cable support from #8-#12 drop wire for 1/2" and 3/4" EMT, MC/AC up to .900 O.D.	100



Conduit/Cable

Multi-Function Clip From Drop Wire, Plain Threaded Rod, or Flange

Features

- Attaches to #12 wire thru $\frac{3}{8}$ " rod.
- Fits $\frac{1}{8}$ " to $\frac{3}{8}$ " flanges.
- Provides attachment of conduit and boxes.
- Supports #10-24 and $\frac{1}{4}$ -20 threaded bridle rings.

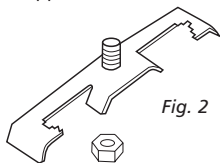


Fig. 2



Fig. 1

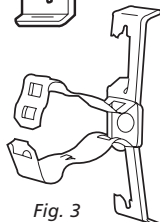
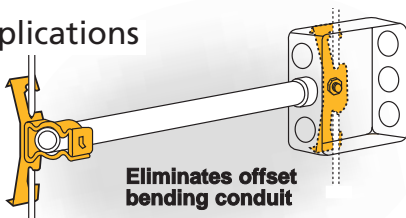


Fig. 3

Applications



Eliminates offset bending conduit

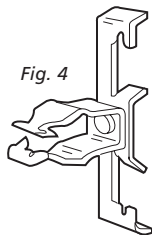


Fig. 4

NOTE: May require dedicated drop wire/rod and EC311 (See Pgs. 34, 45, 190)– Consult local authority.

Sizing Chart

Load Rating refer to Instruction Sheet for desired application.

PART NUMBER	FIG. NO.	DESCRIPTION	WIRE SIZE	FLANGE SIZE	QTY. PER BOX
4Z34	1	Multi-function clip	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
4Z4S	2	Multi-function clip with $\frac{1}{4}$ -20" stud and hex nut	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
4Z34812M	3	Multi-plus $\frac{1}{2}$ " or $\frac{3}{4}$ " conduit	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
4Z3416M	3	Multi-plus 1" conduit	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
4Z348P*	4	Multi-plus $\frac{1}{2}$ " EMT conduit	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
4Z3412P*	4	Multi-plus $\frac{3}{4}$ " EMT conduit	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
4Z3416P*	4	Multi-plus 1" EMT conduit	#12 wire thru $\frac{1}{4}$ "	$\frac{1}{8}$ "- $\frac{3}{8}$ "	100
6Z34	1	Multi-function clip	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100
6Z4S	2	Multi-function clip with $\frac{1}{4}$ -20" stud and hex nut	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100
6Z34812M	3	Multi-plus $\frac{1}{2}$ " or $\frac{3}{4}$ " conduit	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100
6Z3416M	3	Multi-plus 1" conduit	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100
6Z348P*	4	Multi-plus $\frac{1}{2}$ " EMT conduit	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100
6Z3412P*	4	Multi-plus $\frac{3}{4}$ " EMT conduit	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100
6Z3416P*	4	Multi-plus 1" EMT conduit	$\frac{3}{8}$ " rod	$\frac{3}{8}$ "- $\frac{7}{16}$ "	100

*When using rigid conduit on P-Series, use next size larger clip ($\frac{1}{2}$ " Rigid use 12P).

Conduit/Cable

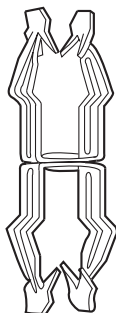
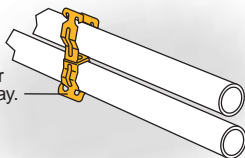
Conduit To Conduit

Features

- Requires no tools to install.
- Available for conduit 1/2" to 1" EMT and 1/2" to 3/4" Rigid.
- Ideal as spacer between same or different size conduit.

Applications

Top conduit to be used for support only, not a raceway.



Sizing Chart

Ultimate static load limit 25 lbs.

PART NUMBER	CONDUIT SIZE*	QTY. PER BOX
8P8P	1/2" to 1/2"	100
8P12P	1/2" to 3/4"	100
8P16P	1/2" to 1"	50
12P12P	3/4" to 3/4"	100
12P16P	3/4" to 1"	100
16P16P	1" to 1"	50

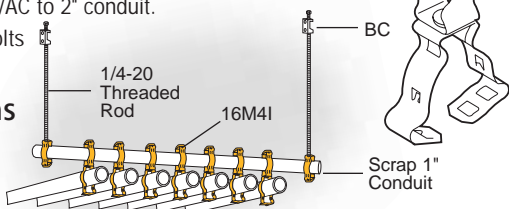
*EMT. For Rigid conduit use next larger size clip (1/2" rigid use 12P).

Lightweight Trapeze

Features

- Fast, easy assembly for lightweight loads up to 100 lbs.
- Use with 3/8" MC/AC to 2" conduit.
- No screws or bolts required.

Applications



Sizing Chart

Total load of trapeze must not exceed 100 lbs.

PART NUMBER	DESCRIPTION	QTY. PER BOX
166M	14-2 thru 12-3 MC/AC to 1" EMT	100
16812M	1/2" or 3/4" Conduit to 1" EMT	100
1616M	1" Conduit to 1" EMT	100
1620M	1 1/4" Conduit to 1" EMT	50
1624M	1 1/2" Conduit to 1" EMT	50
1632M	2" Conduit to 1" EMT	50



Conduit/Cable

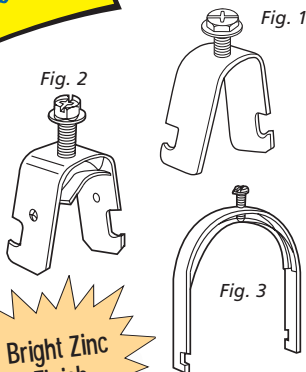
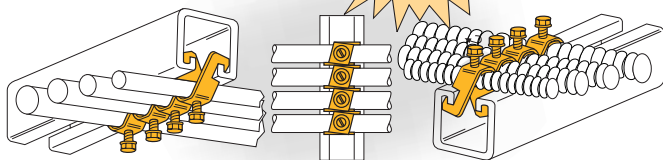
One-Piece Strut Clamp SCH Series

Features

- One-piece installation means no screws or bolts to drop.
- Installs quickly and easily. Requires only a screwdriver or nut driver for installation.
- Heavy-duty construction with a bright zinc finish.
- Size $\frac{3}{8}$ " MC/AC to 4" EMT conduit.
- All sizes available with load distribution plate attached to screw.

Applications

Patent No. 4,429,440



Sizing Chart

PART NUMBER	FIG. NO.	EMT	RIGID	CABLE O.D. RANGE	STATIC LOAD LIMIT	QTY. PER BOX
SCH8	1	$\frac{1}{2}$ "	—	—	200	100
SCH12	1	$\frac{3}{4}$ "	$\frac{1}{2}$ "	—	200	100
SCH16	1	1"	$\frac{3}{4}$ "	—	200	100
SCH20	1	$1\frac{1}{4}$ "	1"	—	200	100
SCH6B	2	$\frac{3}{8}$ " MC/AC	—	.10" – .63"	200	100
SCH8B	2	$\frac{1}{2}$ "	—	.34" – .71"	200	100
SCH12B	2	$\frac{3}{4}$ "	$\frac{1}{2}$ "	.57" – .92"	200	100
SCH16B	2	1"	$\frac{3}{4}$ "	.72" – 1.16"	200	100
SCH20B	2	$1\frac{1}{4}$ "	1"	1.00" – 1.51"	200	100
SCH24B	2	$1\frac{1}{2}$ "	$1\frac{1}{4}$ "	1.25" – 1.74"	350	50
SCH32B	2	2"	$1\frac{1}{2}$ "	1.74" – 2.20"	350	50
SCH40B	3	—	2"	2.00" – 2.38"	350	25
SCH48B	3	$2\frac{1}{2}$ "	$2\frac{1}{2}$ "	2.38" – 2.88"	350	25
SCH56B	3	3"	3"	2.72" – 3.50"	350	25
SCH64B	3	$3\frac{1}{2}$ "	$3\frac{1}{2}$ "	3.25" – 4.00"	350	10
SCH72B	3	4"	4"	3.85" – 4.50"	350	10

Conduit/Cable

Universal One-Piece Strut Clamp SK Series

Features

- One-piece construction.
- Retained bolt and built-in nut prevents dropping of loose parts.
- One size fits EMT and Rigid.
- Installs with screwdriver, standard wrench or nut driver.
- Break in half and install.
- Works with most struts.
- Bright zinc finish.

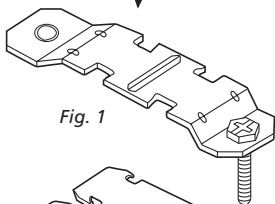


Fig. 1

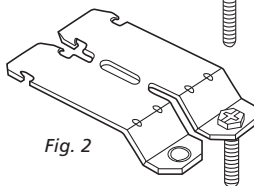
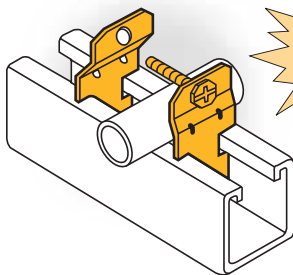


Fig. 2

Applications



Sizing Chart

PART NUMBER		FIG. NO.	EMT RIGID	STATIC LOAD		QTY. PER BOX
MILD STEEL	ALUMINUM*			MILD STEEL	ALUMINUM	
SK85I	SK8ALA	1	1/2"	200	150	100
SK125I	SK12ALA	1	3/4"	200	150	100
SK165I	SK16ALA	1	1"	200	150	100
SK205I	SK20ALA	1	1 1/4"	200	150	100
SK245I	SK24ALA	1	1 1/2"	200	150	50
SK325I	SK32ALA	1	2"	200	150	50
SK405I	SK40ALA	2	2 1/2"	350	200	50
SK485I	SK48ALA	2	3"	350	200	50
SK565I	SK56ALA	2	3 1/2"	350	200	25
SK645I	SK64ALA	2	4"	350	200	25

* Aluminum SKs do not have a thread impression. An aluminum nut and bolt are provided. Order with no "A" on end for standard steel bolt and nut.

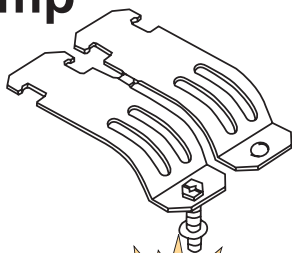


Conduit/Cable

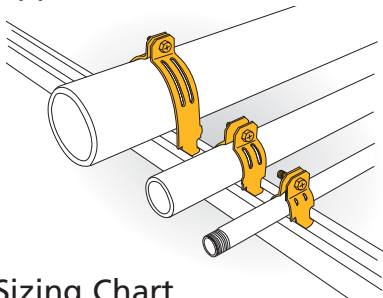
RIGID Pipe Clamp One-Piece

Features

- Supports rigid pipe to strut
- Handles heavy loads
- One -piece design incorporates a retained bolt and built-in nut
- Installs with either a screwdriver or a nut driver
- Full line is available to fit a wide range of pipe sizes
- Available in various materials and finishes



Applications



Sizing Chart

PART NUMBER	PIPE SIZE NOMINAL	O.D.	LOAD (LBS.)	QTY. PER BOX
RIGD0050XX*	1/2"	0.840	400	100
RIGD0075XX*	3/4"	1.050	400	100
RIGD0100XX*	1"	1.315	600	100
RIGD0125XX*	1 1/4"	1.660	600	100
RIGD0150XX*	1 1/2"	1.900	800	100
RIGD0200XX*	2"	2.375	800	100
RIGD0250XX*	2 1/2"	2.875	800	100
RIGD0300XX*	3"	3.500	800	100
RIGD0350XX*	3 1/2"	4.000	1000	100
RIGD0400XX*	4"	4.500	1000	100

* XX denoted finish available: **EG** - Electro-Galvanized, **CG** - Yellow Chromate, **S4** - Stainless 304, **S6** - Stainless 316, **HD** - Hot Dipped Galvanized, **AL** - Aluminum.

Contact ERICO for Copper Applications.

3/8", 5", 6", 8", 10", 12" available without one -piece design, retained combo-head bolt, or built-in nut.

Conduit/Cable

CADDY® PYRAMID Pipe & Equipment Supports

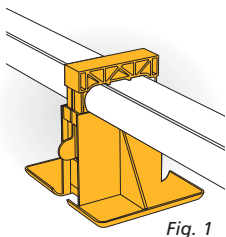
Features

- Dramatically reduces installation time by replacing labor-intensive methods for supporting pipes, conduits and equipment
- Supports multiple runs of pipe and conduit on roofs and below raised floors
- Supports concentrated loads up to 600 lbs
- Absorbs shock and vibration
- Protects roof membrane
- Metal cover protects from weather and other environmental conditions
- Features an electro-galvanized finish for corrosion protection

PART NUMBER	FIG. NO.	MAX. WORKING LOAD (LB)	HEIGHT	THREADS	FINISH	STRUT INCLUDED?
PPRPS25H4	1	25	3-5/8"	-	-	-
PPRPS25H6	1	25	5-5/8"	-	-	-
RPS50H4EG	2	50	4"	-	EG	-
RPS50H6EG	2	50	6"	-	EG	-
RPS50AHSV*	2	50	2-1/4"	-	SV	-
RPS150T1	3	150	3-3/16"	3/8"-16	EG	NO
RPS150T2	3	150	4"	3/8"-16	EG	YES
RPS300T1	4	300	3-3/16"	3/8"-16	EG	NO
RPS300T2	4	300	4"	3/8"-16	EG	YES
RPS600T2	5	600	4"	3/8"-16	EG	YES

EG - Electro-Galvanized **SV** - CADDY® COAT Silver

*For indoor use only.



CADDY® PYRAMID 25

- Supports up to 25 lb loads
- Lightweight, all-plastic construction weighs less than 1/3 lb
- Has a small 4" x 5" footprint
- UV-Rated
- Handles up to three 1/2" or two 3/4" or 1" pipes/conduit
- No tools or fasteners needed for installation



Conduit/Cable

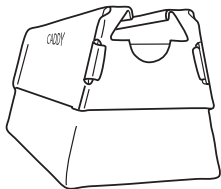


Fig. 2

CADDY® PYRAMID 50

- Supports up to 50 lb loads
- Polyethylene closed-cell foam and 16-gauge steel construction
- The 4" high model has a 10-3/8" x 4" footprint
- The 6" high model has a 10-3/8" x 4-3/4" footprint
- Electro-galvanized (EG) finish on the rooftop version and CADDY® COAT Silver (SV) on the plenum version provide superior corrosion protection
- Metal top designed to shed water and minimize water collection on foam base

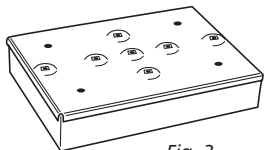


Fig. 3

CADDY® PYRAMID 150

- Supports up to 150 lb loads
- Has six 3/8"-16 threaded inserts with captive nuts that allows the product to be used with standard pipe clamps and accessories
- Large 16" x 12" footprint distributes load more evenly than alternative methods
- Polyethylene closed-cell foam and 14-gauge steel construction
- Electro-galvanized (EG) finish on top plate for added corrosion protection

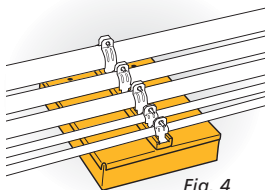


Fig. 4

CADDY® PYRAMID 300

- Supports up to 300 lb loads
- Crosslink polyethylene closed-cell foam supports the additional weight; 14-gauge steel top plate

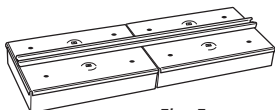


Fig. 5

CADDY® PYRAMID 600

- Consists of two CADDY PYRAMID 300 bases tied together with a length of strut
- Footprint is 32" x 12" (24" x 16" optional with cutting of strut) for more even load distribution
- Supports up to 600 lb loads

Conduit/Cable

Snap-In Support

MC/AC Cable Flexible Conduit



Features

- Manufactured with stabilizer legs for “wobble-free” support.
- One fastener for cable size 14-4, 12-4, 12-3, 12-2, 10-3, 10-2.
- Snaps into place on metal stud and beam flange up to 1/8" thick. No tools required for installation.
- MAC2 snaps in half to accommodate a single run of cable effectively making two clips from one.
- Prepunched holes in clip allow it to be screwed to wood stud, concrete or block.
- Factory riveted assemblies are available for installation on flange, purlin, acoustical tee, drop wire, concrete, block or wood and metal stud.
- Delivers compliance for:
NEC Article 300.4(d) allowing cable to be positioned a minimum of 1 1/4" from face of stud.
CEC Rule 12-618 for support of MC/AC cable.

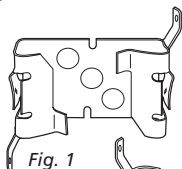


Fig. 1

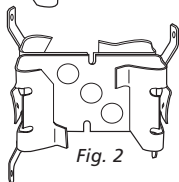


Fig. 2

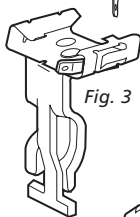


Fig. 3

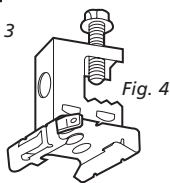


Fig. 4

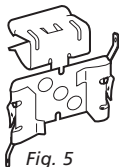


Fig. 5

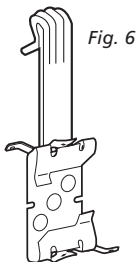


Fig. 6

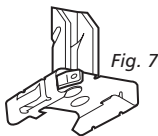


Fig. 7

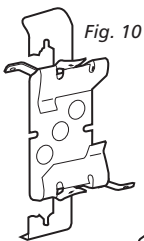


Fig. 10

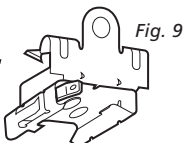


Fig. 9

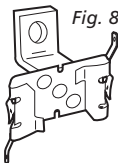


Fig. 8

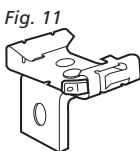


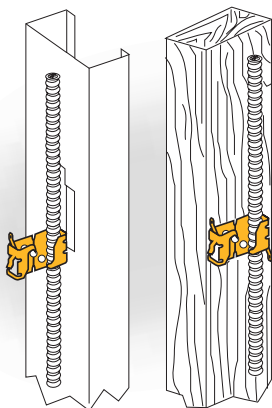
Fig. 11



Conduit/Cable

Applications

Assemblies allow for support from most main and substructures.



Sizing Chart

UL & cUL Listed
Cable Support

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
1 to 4 RUNS OF MC/AC			
MAC2T	2	Support 1 to 4 runs of MC/AC cable for metal stud	100
DOUBLE RUN OF MC/AC			
MAC2	1	Metal or wood stud and 1/8" flange	100
MAC2ATA	3	Acoustical Tee	100
MAC2BC	4	1/8" thru 1/2" flange	100
MAC224SM	5	1/8" thru 1/4" flange	100
MAC258SM	5	5/2" thru 1/2" flange	100
MAC2912SM	5	1/16" thru 3/4" flange	100
MAC2VF14	6	1/16" thru 1/4" C purlin or vertical flange	100
MAC2123	7	Z purlin	100
MAC2AO	8	Offset bracket	100
MAC224	9	1/8" thru 1/4" flange – bottom mount rotates 360°	100
MAC258	9	5/16" thru 1/2" flange – bottom mount rotates 360°	100
MAC2912	9	1/2" thru 3/4" flange – bottom mount rotates 360°	100
MAC24Z34	10	#12 thru 1/4" wire, plain or threaded rod & 1/8" thru 3/8" flange	100
MAC26Z34	10	3/8" plain or threaded rod and 3/8" thru 9/16" flange	100
MAC2FB	11	Through metal stud	100

Conduit/Cable

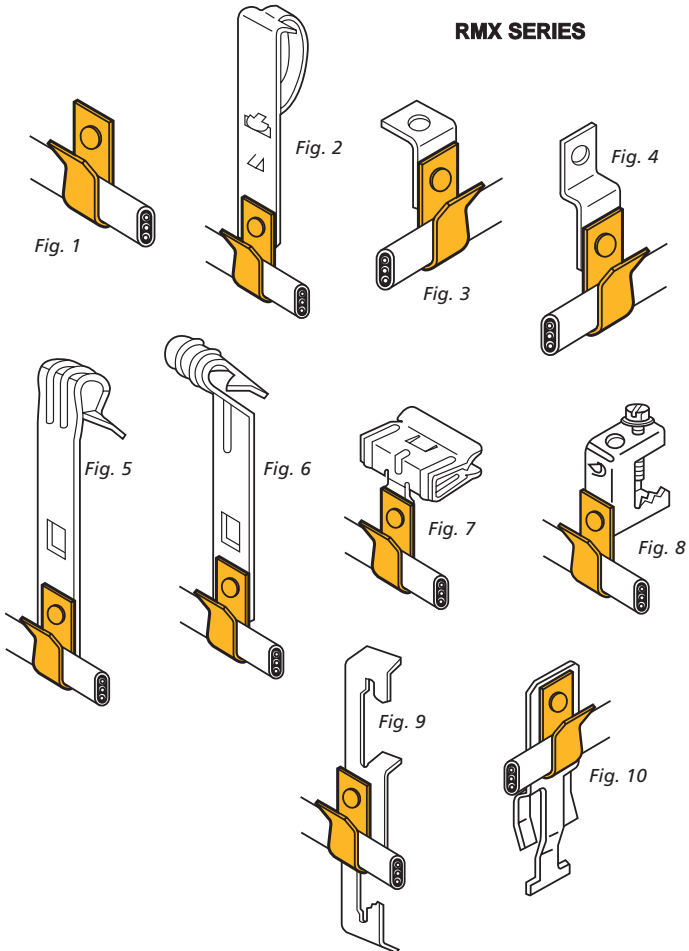
Romex® Clip

Features

- Supports non-metallic cable.
- When used in combination with other CADDY® Fasteners, RMX can be installed on main or substructures, drop wire and acoustical tee.

NOTE: Not for use in Canada on NMC wire or power application.

RMX SERIES



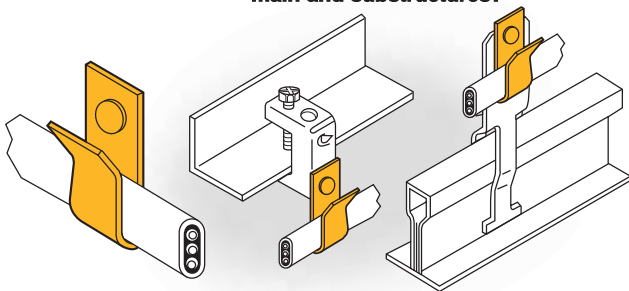
Conduit/Cable

Sizing Chart

PART NUMBER	FIG. NO.	CABLE SIZE	DESCRIPTION	QTY. PER BOX	
RMX	1	14-2 and 12-2 w/ Ground Wire	Clip for Romex or Non-Metallic Cable	100	
RMXDH2	2	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to Deck	100	
RMXAB	3	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to Angle Bracket	100	
RMXAO	4	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to Offset Bracket	100	
RMXVF14	5	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to C Purlin 1/16" to 1/4" Thick	100	
RMXAF14	6	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to Z Purlin 1/16" to 1/4" Thick	100	
RMXBC	8	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to Beam thru 1/2" Flange	100	
RMX4Z34	9	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to #12 Wire thru 1/4" Plain Rod or Beam 1/8" thru 3/8" Flange	100	
RMX6Z34	9	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable 3/8" Plain or Threaded Rod 3/8" thru 7/16" Flange	100	
RMXATS	10	14-2 and 12-2 w/ Ground Wire	Romex or Non-Metallic Cable to Acoustical "Tee -Bar"		
RMX24	7	1/8"-1/4" Thick Flange	14-2 and 12-2 with Ground Wire	Romex or Non-Metallic Cable to Beam	100
RMX58	7	5/16"-1/2" Thick Flange			100
RMX912	7	9/16"-3/4" Thick Flange			100

Applications

Assemblies allow support from most main and substructures.



© Romex is a registered trademark of General Cable Corp.

Conduit/Cable

Combination Box/Conduit Hangers From Drop Wire/Rod And Beam

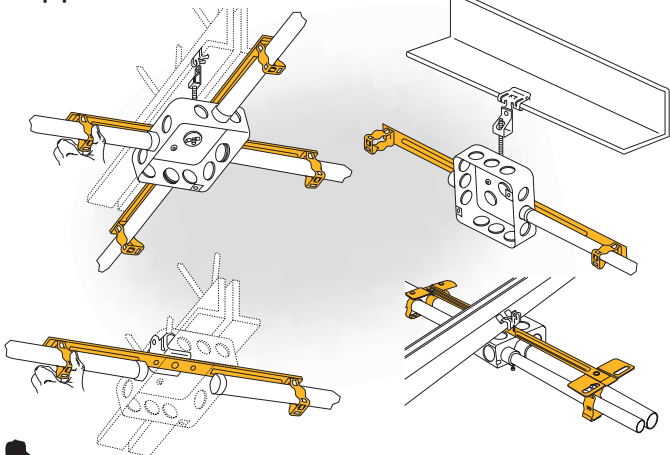
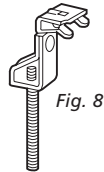
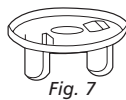
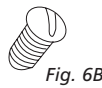
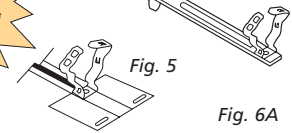
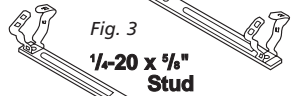
Features

- One riveted assembly.
- No conduit bends (beam application).
- 66% less Drop Wires (rod/wire application).
- Delivers with NEC & CEC compliance, refer to the 2005 CADDY Code Compliance Book.

Now Available
B18CO to Support
Multiple Runs
(FIG. 5)

NOTE: May require dedicated drop wire/rod and EC311 (See Pgs. 34, 45, 190) – Consult local authority. For single and multiple runs of conduit.

Applications



Conduit/Cable

Sizing Chart

UL & cUL Listed
Box and Conduit Support

PART NUMBER	FIG. NO.	DESCRIPTION MOUNTS 4" SQ. BOXES WITH	QTY. PER BOX
812MB18	1	1/2" & 3/4" conduit from #12 wire thru 1/4" rod	25
812MB186	1	1/2" & 3/4" conduit to 3/8" plain or threaded rod	25
16MB18	1	1" conduit from #12 wire thru 1/4" rod	25
16MB186	1	1" conduit to 3/8" plain or threaded rod	25
6MB18	1	MC, AC cable from #12 wire thru 1/4" flange	25
6MB186	1	MC, AC cable 3/8" plain or threaded rod	25
812MB18A	2	1/2" & 3/4" conduit plain center hole for screw or threaded rod mount	25
16MB18A	2	1" conduit plain center hole for screw or threaded rod mount	25
6MB18A	2	MC, AC cable plain center hole for screw or threaded rod mount	25
812MB18S	3	1/2" & 3/4" conduit with 1/4"-20 x 9/16" stud in center hole	25
812MB1824	4	1/2" & 3/4" conduit to 1/8" thru 1/4" flange	25
812MB1858	4	1/2" & 3/4" conduit to 5/16" thru 1/2" flange	25
16MB1824	4	1" conduit to 1/8" thru 1/4" flange	25
16MB1858	4	1" conduit to 5/16" thru 1/2" flange	25
6MB1824	4	MC, AC cable 1/8" thru 1/4" flange	25
6MB1858	4	MC, AC cable 5/16" thru 1/2" flange	25
*(XXX)CO	5	Factory riveted assembly for multiple conduit clips. Includes mounting plate and center conduit clips pre-riveted (additional conduit clips ordered separately). See Fig. 6A.	25
6M4I	6A	14-2 thru 12-3 MC/AC and 3/8" flexible conduit; 1/4"-20 thread impression	100
812M4I	6A	1/2" to 3/4" conduit; 1/4"-20 thread impression	100
16M4I	6A	1" conduit; 1/4"-20 thread impression	100
S3575BP50	6B	1/4" - 20 x 3/8" round head screw	50
4WN	7	1/4"-20 thread impression washer wing nut	100
4TI24	8	1/4" threaded rod to 5/16" thru 1/4" flange	100
4TI58	8	1/4" threaded rod to 5/16" thru 1/2" flange	100
4TI912	8	1/4" threaded rod to 9/16" thru 3/4" flange	100
6TI24	8	3/8" threaded rod to 5/16" thru 1/4" flange	100
6TI58	8	3/8" threaded rod to 5/16" thru 1/2" flange	100
6TI912	8	3/8" threaded rod to 9/16" thru 3/4" flange	100

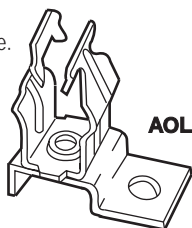
*To order with B18CO, add the suffix "CO" to any catalog number Figure 1 through 4 above.

Conduit/Cable

Metal Deck Conduit Support

Features

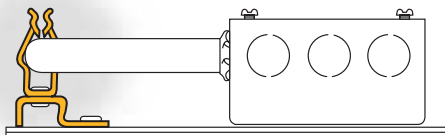
- Provides spacing between conduit and deck surface.
- Easily attached with screw gun or power tool.
- Permits conduit to be laid out and then attached.



AOL

Eliminates offset bending conduit

Applications



Sizing Chart

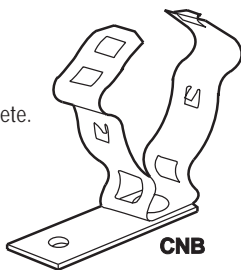
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
AOL8P	Support bracket for 1/2" EMT	100
AOL12P	Support bracket for 3/4" EMT or 1/2" Rigid	100
AOL16P	Support bracket for 1" EMT or 3/4" Rigid	100

Nail Bracket

Features

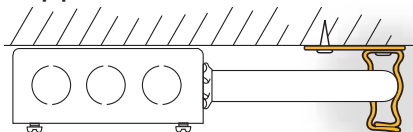
- Used to attach conduit to wood, steel or concrete.
- Eliminates the need for offset bends.
- Works with power tools, screw guns or nails.
- May be attached after positioning conduit.



CNB

Eliminates offset bending conduit

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
CNB812M	Nail Bracket, M-Series 1/2" & 3/4" Conduit	100
CNB8P	Nail Bracket, P-Series for 1/2" EMT	100
CNB12P	Nail Bracket, P-Series for 3/4" EMT or 1/2" Rigid	100



Conduit/Cable

MC/AC Cable To Metal Stud

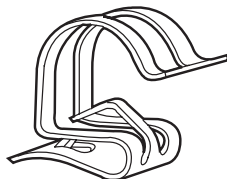
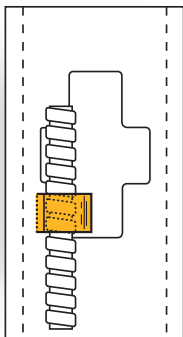
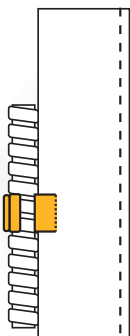
Features

- Attaches MC or AC to metal stud easily.
- Requires no special tools.
- Provides fast installation.

for a better mousetrap see page
65, 75



Applications



449

For concealed work check application with local inspection authorities.

Sizing Chart

No Load Rating - Positioning Only

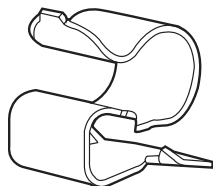
PART NUMBER	CABLE SIZE	QTY. PER BOX
449	14-2 (.433-.475 O.D.)	100
449	14-3 (.453-.500 O.D.)	100
449	12-2 (.467-.510 O.D.)	100
449	12-3 (.489-.535 O.D.)	100

Conduit/Cable

Cable Snap Clip

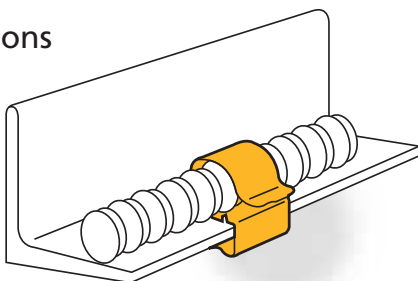
Features

- Supports cable from 1/16"-1/2" flange.
- Works effectively with MC and AC cable dimensions 3/8" - 1 1/4" and low voltage cables from 7/32" and up.
- Clip "snaps" on flange and cable "snaps" into clip. This is "snappy."



SC

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	CABLE O.D.	DESCRIPTION	QTY. PER BOX
SC2A	.218-.281		100
SC2B	.312-.375		100
SC2C	.375-.437	Low voltage, data and	100
SC2D	.468-.562	MC/AC cable to	100
SC2E	.500-.718	1/16" thru 3/16"	100
SC2F	.750-.937	flange thickness	100
SC2G	.968-1.250		100
SC4A	.218-.281		100
SC4B	.312-.375	Low voltage, data and	100
SC4C	.375-.437	MC/AC cable to	100
SC4D	.468-.562	3/16" thru 9/32"	100
SC4E	.500-.718	flange thickness	100
SC4F	.750-.937		100
SC4G	.968-1.250		100
SC8A	.218-.281		100
SC8B	.312-.375	Low voltage, data and	100
SC8C	.375-.437	MC/AC cable to	100
SC8D	.468-.562	5/16" thru 1/2"	100
SC8E	.500-.718	flange thickness	100
SC8F	.750-.937		100
SC8G	.968-1.250		100



Conduit/Cable

Flexible Conduit and Cable Hanger

Features

- Bundle runs* of MC or AC or communications cables.
- Can be used with flange clips or deck clip DH2. Also AO or AB, VF14, AF14, 122-123.

*Refer to local authorities and NEC Article 310 for derating ampacity when flexible power cables are used.



Fig. 1

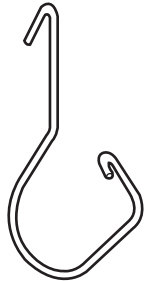
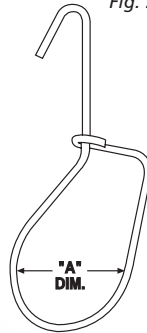
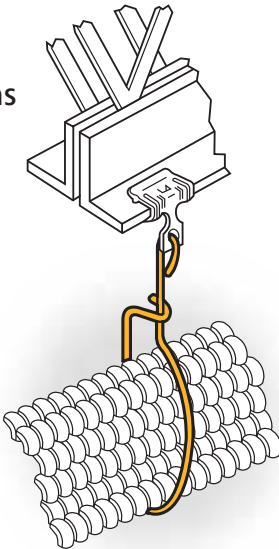


Fig. 2

Applications



Bridle Rings not recommended for high performance cables, see CADDY® CABLECAT series, Pages 153-165.



Sizing Chart

Ultimate static load limit 75 lbs. - WMX6, 50 lbs. - WMX3

PART NUMBER	FIG. NO.	NUMBER OF RUNS OF MC/AC CABLE THAT MAY BE SUPPORTED	"A" DIM.	ULTIMATE STATIC LOAD RATING	QTY. PER BOX
WMX3	1	3	1 ¹ / ₈ "	50#	100
WMX6	2	6	1 ³ / ₄ "	75#	100

Conduit/Cable

Support Bracket for MC/AC Cable MCS Series

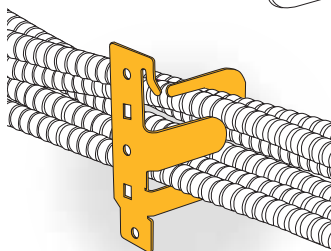
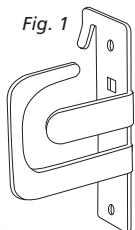
PATENT NUMBER
6,572,058



Features

- Neatly isolates, supports and secures MC/AC cables
- Properly spaces MC/AC cable to eliminate bundling and NEC & CEC derating issues
- Results in a "neat and workmanlike" installation
- Reduces inventory
- Holds up to eight MC/AC cables
- cULus Listed for support – not just positioning

Fig. 1



Applications

Fig. 1



Fig. 2

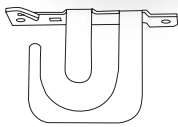
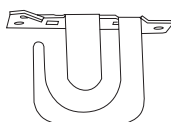


Fig. 3

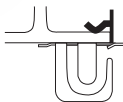


Fig. 4

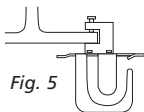


Fig. 5

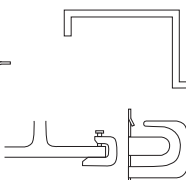


Fig. 6

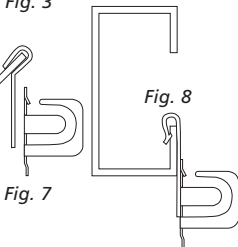
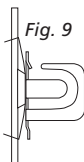


Fig. 7

Fig. 8

Fig. 9



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
MCS50	1	MC/AC* cable support spacer for up to 4 runs	50
MCS100	2	MC/AC* cable support spacer for up to 9 runs	50
MCS101	3	MC/AC** cable support spacer for up to 7 runs	50

* Nominal outside diameters from .430 thru .560. 14-3, 14-4, 12-2, 12-4 and 10-2 MC/AC Cable

** Nominal outside diameters from .560 thru .690. Standard MC sizes: 10/3, 10/4, *8/2, *8/3.

Super Neutral Cable: 12/3, 12/4 and *10/2. Isolated Ground: 12/3, 12/4, 10/2, 10/3, 10/4 and 8/2.



Conduit/Cable

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
Pre-Riveted Factory Assemblies for MCS100			
MCS10024	4	To beams 1/8"-1/4" flange thickness (Hammer-On)	25
MCS1004Z	9	To #12 wire thru 1/4" plain or threaded rod	25
MCS10058	4	To beams 5/16"-1/2" flange thickness (Hammer-On)	25
MCS1006Z	9	To 3/8" plain or threaded rod	25
MCS100912	4	To beams 9/16"-3/4" flange thickness (Hammer-On)	25
MCS100AF14	7	Z Purlin	25
MCS100BC	5	To beams thru 1/2" flange thickness (Screw-On)	25
MCS100BC200	6	To beams 1/8"-5/8" flange thickness (Screw-On)	25
MCS100VF14	8	C Purlin or Open Bar Joist	25
Pre-Riveted Factory Assemblies for MCS101			
MCS10124	4	To beams 1/8"-1/4" flange thickness (Hammer-On)	25
MCS1014Z	9	To #12 wire thru 1/4" plain or threaded rod	25
MCS10158	4	To beams 5/16"-1/2" flange thickness (Hammer-On)	25
MCS1016Z	9	To 3/8" plain or threaded rod	25
MCS101912	4	To beams 9/16"-3/4" flange thickness (Hammer-On)	25
MCS101AF14	7	Z Purlin	25
MCS101BC	5	To beams thru 1/2" flange thickness (Screw-On)	25
MCS101BC200	6	To beams 1/8"-5/8" flange thickness (Screw-On)	25
MCS101VF14	8	C Purlin or Open Bar Joist	25
Pre-Riveted Factory Assemblies for MCS50			
MCS5024	4	To beams 1/8"-1/4" flange thickness (Hammer-On)	25
MCS504Z	9	To #12 wire thru 1/4" plain or threaded rod	25
MCS5058	4	To beams 5/16"-1/2" flange thickness (Hammer-On)	25
MCS506Z	9	To 3/8" plain or threaded rod	25
MCS50912	4	To beams 9/16"-3/4" flange thickness (Hammer-On)	25
MCS50AF14	7	Z Purlin	25
MCS50BC	5	To beams thru 1/2" flange thickness (Screw-On)	25
MCS50BC200	6	To beams 1/8"-5/8" flange thickness (Screw-On)	25
MCS50VF14	8	C Purlin or Open Bar Joist	25

Conduit/Cable

SBT18 Multiple Conduit Mounting Plate Features

- Easy "snap-in" attachment of up to three conduit clips
- No tools necessary for installation of clips
- Automatic alignment with standard 1-1/2" electrical box knockouts and mounting holes
- Eliminates conduit bends for 1/2" and 3/4" sizes
- Available in a variety of riveted assemblies

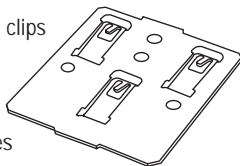
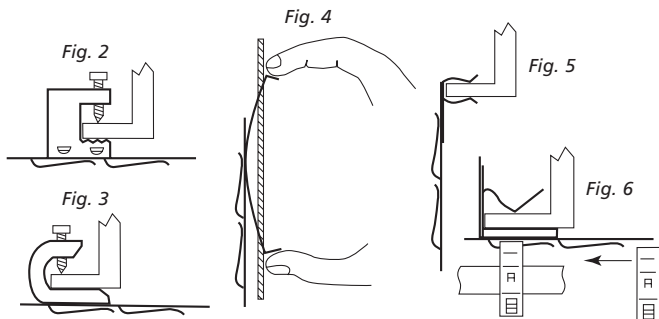


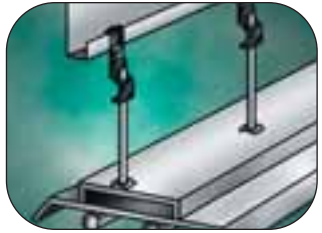
Fig. 1



PART NUMBER	FIG. NO	DESCRIPTION	LOAD RATING PER TAB (LBS)	QTY. PER BOX
SBT18	1	Multi-Run, Conduit Hanger Plate	50	50
SBT1824SM	5	Hammer-on; side mount 1/8"-1/4" flange	50	50
SBT1858SM	5	Hammer-on; side mount 5/16"-1/2" flange	50	50
SBT18912SM	5	Hammer-on; side mount 9/16"-3/4" flange	50	50
SBT1824	6	Hammer-on; underside 1/8"-1/4" flange	25	50
SBT1858	6	Hammer-on; underside 5/16"-1/2" flange	25	50
SBT18912	6	Hammer-on; underside 9/16"-3/4" flange	25	50
SBT184Z34	4	Multi-function clip #12 wire thru 1/4" plain rod	15	50
SBT186Z34	4	Multi-function clip 3/8" plain or threaded rod	15	50
S3575BP50		1/4-20 x 3/8" round head screw	33	50
SBT18BC	2	Beam clamp thru 1/2" flange	25	50
SBT18BC200	3	Beam clamp 1/8" to 5/8" flanges	33	50



Beam/Purlin



Pages 77-100

Beam/Purlin

Beam Clamps

Features

- Easy installation to beam flanges up to 1/2".
- Supports 1/4" and 3/8" threaded rod, S-hooks, electrical boxes, conduit and bridle rings.
- Accommodates standard 1/4-20 or #10-24 threaded bridle rings.

NOTE:

When using rigid conduit on P Series, use next size larger clip (1/2" rigid use 12P).

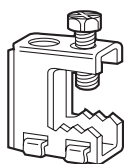


Fig. 1

Assemblies for conduit support

Patent pending

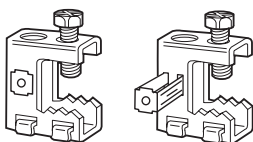


Fig. 2

Built-in Smart Nut snaps directly onto 3/8" -16 threaded rod, is adjustable and removable, and eliminates extensive "threading" into place.

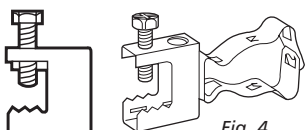


Fig. 3

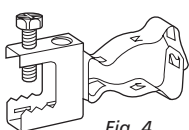


Fig. 4

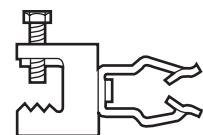


Fig. 6

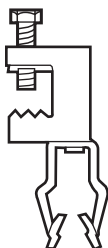
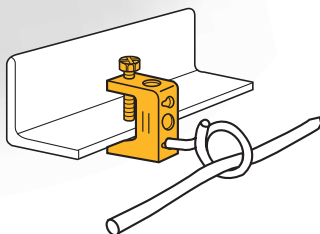
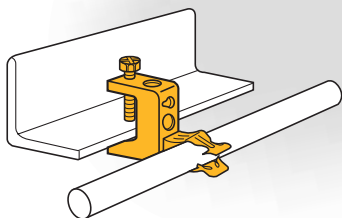
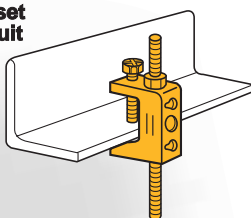
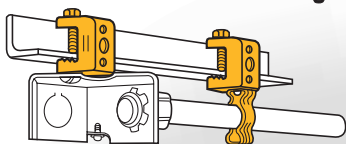


Fig. 5

Applications

Eliminates offset bending conduit



Beam/Purlin



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	STATIC LOAD LIMIT	QTY. PER BOX
BC	1	Beam clamp thru 1/2" flange	100 lbs.	100
BCISN375	2	Beam clamp thru 1/2" flange 3/8" smart nut	100 lbs.	100
BC812M	3	1/2" to 3/4" conduit to beam thru 1/2" flange	100 lbs.	100
BC16M	3	1" conduit to beam thru 1/2" flange	100 lbs.	100
BC20M	3	1 1/4" conduit to beam thru 1/2" flange	100 lbs.	100
BC24M	3	1 1/2" conduit to beam thru 1/2" flange	100 lbs.	50
BC32M	3	2" conduit to beam thru 1/2" flange	100 lbs.	50
BC812MSM	4	1/2" to 3/4" conduit to beam thru 1/2" flange	25 lbs.	100
BC16MSM	4	1" conduit to beam thru 1/2" flange	25 lbs.	100
BC20MSM	4	1 1/4" conduit to beam thru 1/2" flange	25 lbs.	100
BC24MSM	4	1 1/2" conduit to beam thru 1/2" flange	25 lbs.	50
BC32MSM	4	2" conduit to beam thru 1/2" flange	25 lbs.	50
BC8P	5	1/2" conduit to beam thru 1/2" flange	25 lbs.*	100
BC12P	5	3/4" conduit to beam thru 1/2" flange	25 lbs.*	100
BC16P	5	1" conduit to beam thru 1/2" flange	25 lbs.*	100
BC8PSM	6	1/2" conduit to beam thru 1/2" flange	15 lbs.*	100
BC12PSM	6	3/4" conduit to beam thru 1/2" flange	15 lbs.*	100
BC16PSM	6	1" conduit to beam thru 1/2" flange	15 lbs.*	100

*Ultimate static load limit.

Beam/Purlin

Beam Clamps

Features

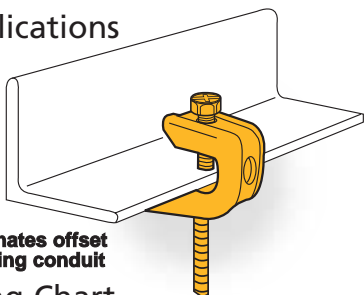
- Easy installation for beam flanges 1/8" to 5/8".
- Supports 1/4" threaded rod, 1/4" threaded bridle rings and boxes.
- Available riveted to conduit clips 1/2" thru 2".
- Bright zinc finish.

NOTE:

See Misc. Components section for threaded bridle rings (p.173).

Threaded hole on back and bottom.

Applications



Eliminates offset bending conduit

Sizing Chart

Static load limit 100 lbs.

PART NUMBER	FIG. NO.	RIGID	EMT	QTY. PER BOX
BC200	1	—	—	50
BC200 CD0B	2	1/2"	1/2"	50
BC200 CD1B	2	3/4"	3/4"	50
BC200 CD2B	2	1"	1"	50
BC200 CD2.5B	2	—	1 1/4"	50
BC200 CD3B	2	1 1/4"	1 1/2"	50
BC200 CD4B	2	1 1/2"	—	25
BC200 CD5B	2	2"	2"	25

Fig. 1

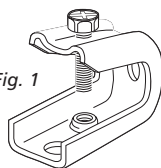
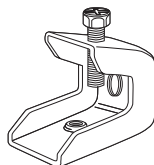


Fig. 2



Big Beam Clamp

Ideal for Electrical, Mechanical and HVAC Applications



Static load limit 200 lbs.

PART NUMBER	DESCRIPTION	QTY. PER BOX
BC400	For 3/8" threaded rod or 3/8" - 16 bolts to beam flange through 3/4"	25



Beam/Purlin

Hammer-On Flange Clip

Features

- Locates a "portable" 1/4" hole with just a hammer.
- Fits most beams and bulb tees.

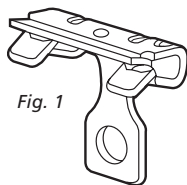


Fig. 1

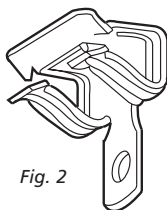
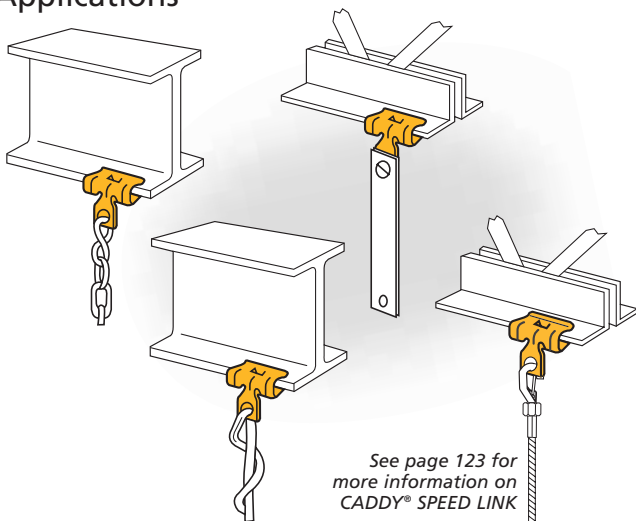


Fig. 2

Applications



See page 123 for more information on CADDY® SPEED LINK

Sizing Chart

PART NUMBER	FIG. NO.	FLANGE THICKNESS	QTY. PER BOX	STATIC LOAD LIMIT
2H4	1	3/32" - 9/64"	100	160 lbs.
4H24	2	1/8" - 1/4"	100	200 lbs.
4H58	2	5/16" - 1/2"	100	200 lbs.
4H912	2	9/16" - 3/4"	100	200 lbs.

Beam/Purlin

Hammer-On Plain and Threaded Rod Hangers

Beam Clamps

Features

- Used to suspend #8 wire, 1/4", 3/8" plain rod or 1/4" or 3/8" threaded rod from beam flanges 1/8" to 3/4" thick.
- Requires only hammer to install.



Fig. 1

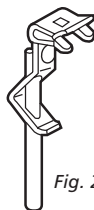


Fig. 2

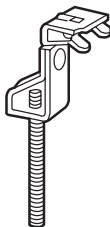


Fig. 3

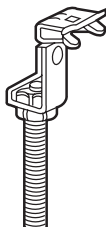
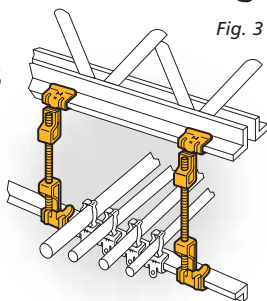


Fig. 4

Applications



Sizing Chart

Static load limit 200 lbs.

PART NUMBER	FIG. NO.	FLANGE THICKNESS	ROD SIZE	QTY. PER BOX
70824	1	1/8"-1/4"	#8 wire or 1/4" Plain Rod	100
70858	1	5/16"-1/2"	#8 wire or 1/4" Plain Rod	100
708912	1	9/16"-3/4"	#8 wire or 1/4" Plain Rod	100
6A24	2	1/8"-1/4"	3/8" (Plain)	100
6A58	2	5/16"-1/2"	3/8" (Plain)	100
6A912	2	9/16"-3/4"	3/8" (Plain)	100
4T124	3	1/8"-1/4"	1/4" Threaded	100
4T158	3	5/16"-1/2"	1/4" Threaded	100
4T1912	3	9/16"-3/4"	1/4" Threaded	100
6T124	3	1/8"-1/4"	3/8" Threaded	100
6T158	3	5/16"-1/2"	3/8" Threaded	100
6T1912	3	9/16"-3/4"	3/8" Threaded	100
6TA24	4	1/8"-1/4"	1/4" or 3/8" Threaded*	100
6TA58	4	5/16"-1/2"	1/4" or 3/8" Threaded*	100
6TA912	4	9/16"-3/4"	1/4" or 3/8" Threaded*	100

*Nuts required

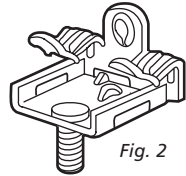
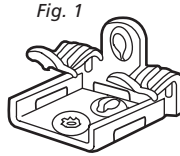


Beam/Purlin

Hammer-On Flange Clip

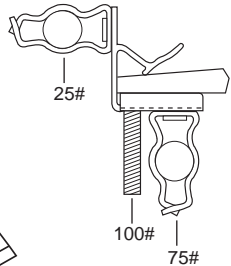
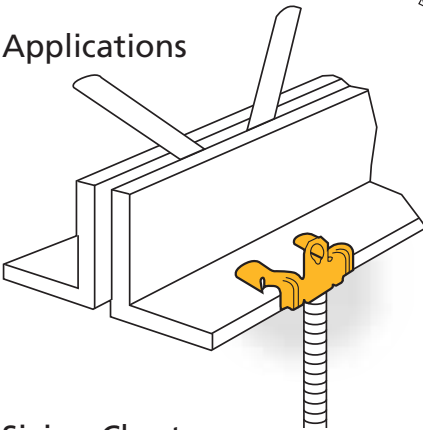
Features

- When used with CADDY® combination conduit hanger, the conduit run lines up with "knock-outs" in outlet box and eliminates offsets and bends.
- Provided with a 1/4-20 thread impression so that the box may be quickly and securely attached to the clamp.
- Also available with a staked stud, 1/4-20 x 3/8" to provide easier attachment of outlet boxes to beams. Eliminates having to use loose screws.
- The CADDY combination washer-wing nut (Part No. 4WN) can be used to attach box. (Not included.)
- New design allows for use with cable ties



**1/4-20 x 3/8" screws
P/N S3575BP50
available as separate item.
Packaged 50 per box.
Weight 1 lb. per 100.**

Applications



Indicated loads are static load limits and should not be combined.

Sizing Chart

PART NUMBER	FIG. NO.	FLANGE THICKNESS	QTY. PER BOX
M24	1	1/8" - 1/4"	100
M58	1	5/16" - 1/2"	100
M912	1	9/16" - 3/4"	100
M24S	2	1/8" - 1/4"	100
M58S	2	5/16" - 1/2"	100
M912S	2	9/16" - 3/4"	100

Beam/Purlin

"C" And "Z" Purlin Clips

Features

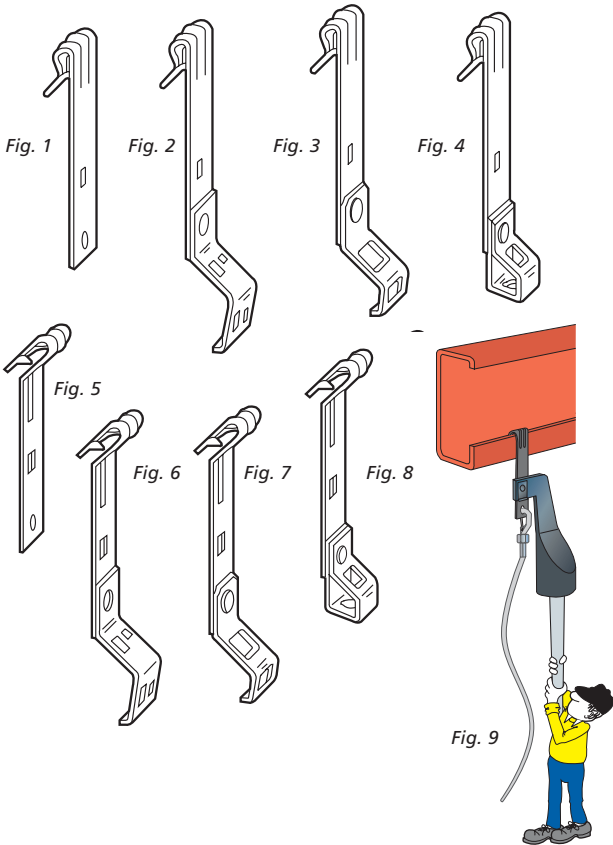
- One fastener fits flanges $\frac{1}{16}$ " to $\frac{1}{4}$ ".
- Supports wire or rod from bar joist, C Purlin (VF14) or Z Purlin (AF14).
- Installs from floor with VAFT tool and conduit.

for a better mousetrap see page 86



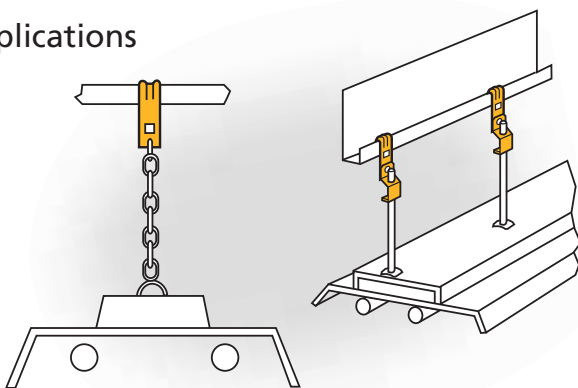
NOTE:

VF for vertical flange only.
AF for angle flange only.
Installation tool part number VAFT.



Beam/Purlin

Applications



Sizing Chart

Static Load Limit: VF14 160 lbs. – AF14 100 lbs.

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
VF14	1	1/16" to 1/4" vertical flange for wrap wire, "S" hooks, bolting straps, WMX6	100
VF14708	2	1/16" to 1/4" to #8 wire or 1/4" plain rod	100
VF146A	3	1/16" to 1/4" to 3/8" plain rod	100
VF144TI	4	1/16" to 1/4" to 1/4" threaded rod	100
VF146TI	4	1/16" to 1/4" to 3/8" threaded rod	100
VF146T	4	1/16" to 1/4" to 3/8" threaded rod (nuts required)	100
AF14	5	1/16" to 1/4" Z Purlin for wrap wire, "S" hooks, bolting straps, WMX6	100
AF14708	6	1/16" to 1/4" to #8 wire or 1/4" plain rod	100
AF146A	7	1/16" to 1/4" to 3/8" plain rod	100
AF144TI	8	1/16" to 1/4" to 1/4" threaded rod	100
AF146TI	8	1/16" to 1/4" to 3/8" threaded rod	100
AF146T	8	1/16" to 1/4" to 3/8" threaded rod (nuts required)	100
VAFT	9	Installation tool for VF & AF assemblies	1

Beam/Purlin

Multi-Flange Rod Hanger

Features

- C or Z Purlins or up to 1/4" (7mm) horizontal beam flanges.
- Slotted, Hex, Robertson, Phillips combo head bolt.
- Hardened cup point setscrew for secure grip.
- Fast installation of threaded components; (1/4" or 3/8").
- Integrated thread impression eliminates nuts.
- Swivel feature option.
- Electrogalvanized finish for good corrosion protection.

NOTE:

Loads up to 200 lbs. (0.90 kN) on C or Z purlins or 160 lbs. (0.71 kN) on horizontal beams.

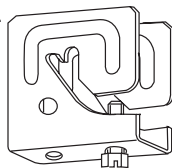


Fig. 1

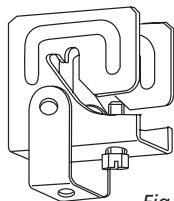
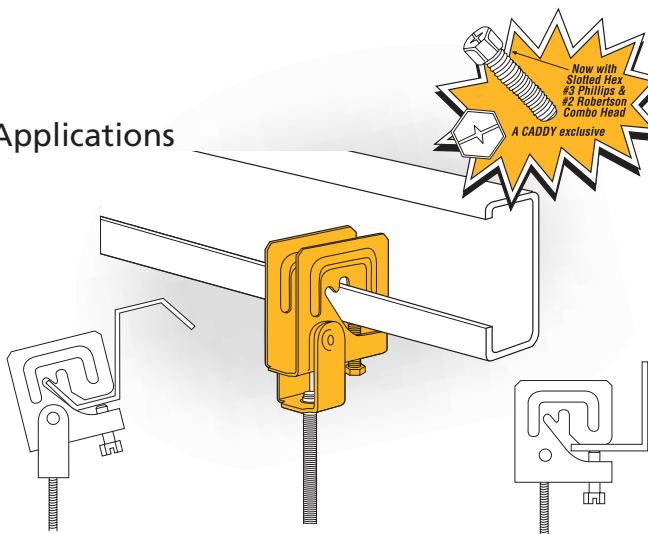


Fig. 2

Applications



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	THREAD	QTY. PER BOX
PH4	1	Rod Hanger	1/4-20	25
PH6	1	Rod Hanger	3/8-16	25
PHSW4	2	Rod Hanger with Swivel	1/4-20	25
PHSW6	2	Rod Hanger with Swivel	3/8-16	25



Beam/Purlin

"Z" Purlin Clips

Features

- Hammer-on clip compensates for angle of purlin.
- Provides method for attaching conduit and boxes to purlin.

NOTE:

Loads indicated are for CADDY® Fasteners only.

for a better mousetrap see page 86

Applications

Purlin thickness 13 to 16 gage

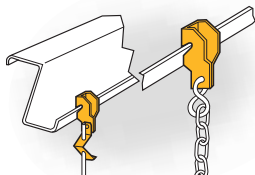


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

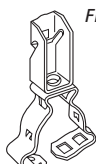


Fig. 6

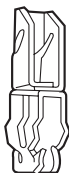


Fig. 7

Sizing Chart

Static load limit 100 lbs. except for P Series which is 25 lbs. ultimate static load limit

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
122	1	For wrap wire, "S" hooks bolting straps	100
123	2	1/4" bottom hole to Z purlin for assembly	100
122708	3	For #8 wire or 1/4" plain rod to Z purlin	100
1226A	4	For 3/8" plain rod to Z purlin	100
1224TI	5	For 1/4" threaded rod to Z purlin	100
1226TI	5	For 3/8" threaded rod to Z purlin	100
1226T	5	For 1/4" and 3/8" threaded rod to Z purlin, nuts required	100
1236M	6	For 3/8" conduit to Z purlin	100
123812M	6	For 1/2" to 3/4" conduit to Z purlin	100
1238P	7*	For 1/2" conduit to Z purlin	100
12312P	7*	For 3/4" conduit to Z purlin	100
12316M	6	For 1" conduit to Z purlin	100
12316P	7*	For 1" conduit to Z purlin	50
12320M	6	For 1 1/4" conduit to Z purlin	50

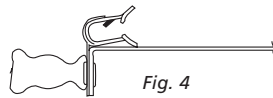
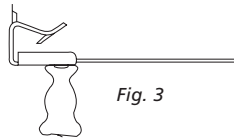
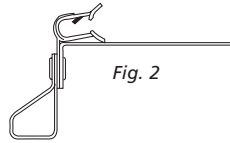
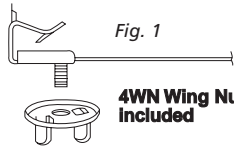
* When using rigid conduit on P Series, use next size larger clip (1/2" rigid use 12P).

Beam/Purlin

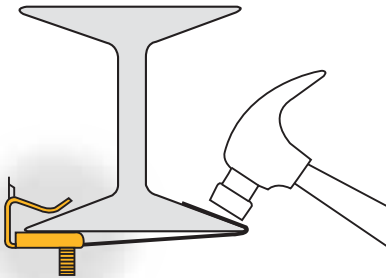
Retainer Strap Assemblies

Features

- Only one piece to install.
- Fast hammer on installation.
- Riveted retainer strap replaces cumbersome assemblies and hardware.
- Retainer strap is easily bent into position.
- Lightweight design, heavyweight results.



Applications



Beam/Purlin

Sizing Chart

FIG. 1 Load 75 lbs. • FIG. 2 Load 200 lbs.
FIG. 3 Load 75 lbs. • FIG. 4 Load 25 lbs.

PART NUMBER	FIG. NO.	FLANGE	THREADED ROD STUD OR CONDUIT	QTY. PER BOX
CM24S	1	1/8" - 1/4"	1/4-20 x 3/8" stud	50
CM58S	1	5/16" - 1/2"	1/4-20 x 3/8" stud	50
CM912S	1	9/16" - 3/4"	1/4-20 x 3/8" stud	50
C4TI24	2	1/8" - 1/4"	1/4-20 threaded rod	50
C4TI58	2	5/16" - 1/2"	1/4-20 threaded rod	50
C4TI912	2	9/16" - 3/4"	1/4-20 threaded rod	50
C6TI24	2	1/8" - 1/4"	3/8-16 threaded rod	50
C6TI58	2	5/16" - 1/2"	3/8-16 threaded rod	50
C6TI912	2	9/16" - 3/4"	3/8-16 threaded rod	50
CM24812M	3	1/8" - 1/4"	1/2" & 3/4" conduit	50
CM2416M	3	1/8" - 1/4"	1" conduit	50
CM58812M	3	5/16" - 1/2"	1/2" & 3/4" conduit	50
CM5816M	3	5/16" - 1/2"	1" conduit	50
CM912812M	3	9/16" - 3/4"	1/2" & 3/4" conduit	50
CM91216M	3	9/16" - 3/4"	1" conduit	50
C24812SM	4	1/8" - 1/4"	1/2" & 3/4" conduit	50
C2416SM	4	1/8" - 1/4"	1" conduit	50
C58812SM	4	5/16" - 1/2"	1/2" & 3/4" conduit	50
C5816SM	4	5/16" - 1/2"	1" conduit	50
C912812SM	4	9/16" - 3/4"	1/2" & 3/4" conduit	50
C91216SM	4	9/16" - 3/4"	1" conduit	50

Beam/Purlin

Bulb Tee Clip

Features

- Provides means of support from underside of bulb tee 1 1/2" thru 2 3/8" wide.
- Ceiling material not defaced when applied.
- Requires only hammer to install.

NOTE:

Other stud lengths quoted on request.



Fig. 1

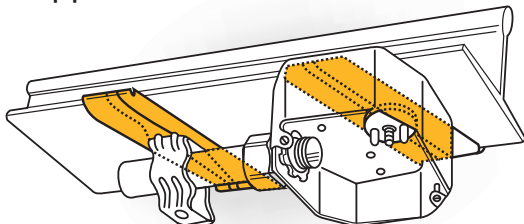


Fig. 2



Fig. 3

Applications



**Eliminates
offset
bending
conduit**

Sizing Chart

Will support 135 lbs. static load limit from a 1 1/2" wide flange. Will support 150 lbs. static load limit from a 2 3/8" wide flange.

PART NUMBER	FIG. NO.	CONDUIT SIZE	QTY. PER BOX
4J2438	1	Jr. Beam Clamp for bulb tees. Use standard 1/4" carriage bolt (not furnished)	100
4NJ2438	2	Jr. Beam Clamp for bulb tees – 1/4"-20 nut included	100
6NJ2438	2	Jr. Beam Clamp for bulb tees – 3/8"-16 nut included	100
4J2438S	3	Jr. Beam Clamp for bulb tee with 3/8" long 1/4"-20 stud	100

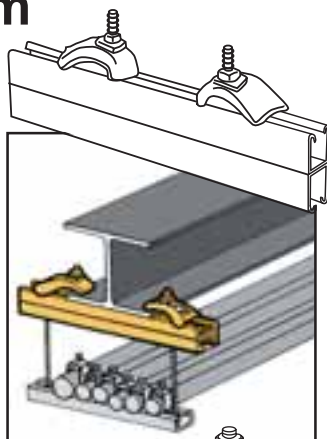


Beam/Purlin

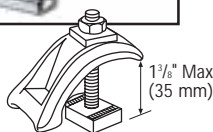
Strut-To-Beam System Model 6000

Features

- Comes assembled in single profile $1\frac{5}{8}" \times 1\frac{5}{8}"$ (41 x 41mm) or double profile back to back $1\frac{5}{8}" \times 1\frac{5}{8}"$ (41 x 41mm) 12 gauge.
- For beam flanges up to $1\frac{3}{8}"$ (41x41mm) 12 gauge.
- Hot dipped galvanized.
- Clamp sets available separately.



Applications

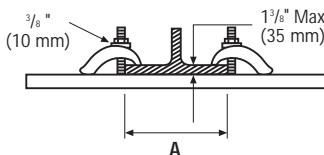
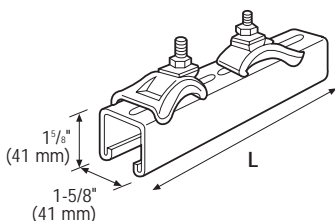


Sizing Chart

CLAMP 6000 (component)

PART NUMBER	COATING	QTY. PER BOX
6120T6HD	HDG	20

NOTE: Packed 10 pair per box.



SINGLE PROFILE

**$1\frac{5}{8}" \times 1\frac{5}{8}"$ • 12 Gauge • Slotted
Hot Dipped Galvanized • Comes with two clamp set assemblies**

PART NUMBER	L		A MAX		COATING	QTY. PER BOX
	IN	mm	IN	mm		
6A12SL20HD	20"	500	14 $\frac{1}{2}"$	370	HDG	1
6A12SL28HD	28"	700	22 $\frac{1}{2}"$	570	HDG	1
6A12SL36HD	36"	800	30 $\frac{1}{2}"$	775	HDG	1

NOTE: Assembled to fit min. 4-1/2" (115 mm) and max. 10-1/4" (260 mm)

A = Flange Width

Beam/Purlin

Wide Mouth Beam Clamps Models BC13/BC14

Features

- BC13 (fig. 1) Heavy duty steel beam clamp to fit up to $\frac{7}{8}$ " (22mm) thick flanges.
- BC14 (fig. 2) Heavy duty steel beam clamp to fit flanges from $\frac{5}{8}$ " (16 mm) to $1\frac{5}{8}$ " (41 mm) thick.
- Threaded to allow quick and easy attachment of threaded rod or bolted components.
- Electrogalvanized finish for enhanced corrosion protection.
- Available in hot dipped galvanized finish (special order).
- Retaining strap available separately, for more secure attachment.
- Hardened cup point setscrew to provide secure grip on tapered sections.

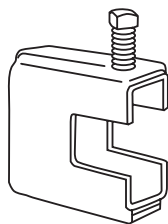


Fig. 1

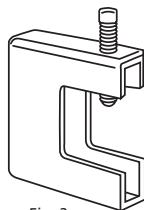
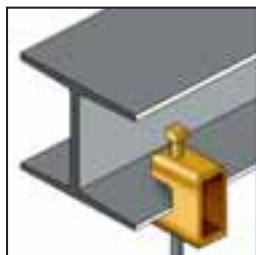
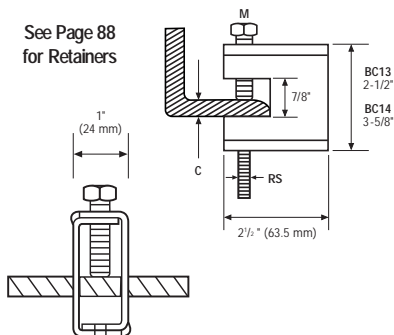


Fig. 2

Applications



See Page 88
for Retainers



Sizing Chart

PART NUMBER	FIG. NO.	RS	M	C MAX IN	COATING	QTY. PER BOX	LBS.
BC130025EG	1	$\frac{1}{4}$ " - 20	$\frac{3}{8}$ " - 16	$\frac{7}{8}$ "	EG	20	650
BC130037EG	1	$\frac{3}{8}$ " - 16	$\frac{3}{8}$ " - 16	$\frac{7}{8}$ "	EG	20	650
BC130050EG	1	$\frac{1}{2}$ " - 13	$\frac{1}{2}$ " - 13	$\frac{7}{8}$ "	EG	10	1100
BC130062EG	1	$\frac{5}{8}$ " - 11	$\frac{1}{2}$ " - 13	$\frac{7}{8}$ "	EG	10	1600
BC140037EG	2	$\frac{3}{8}$ " - 16	$\frac{3}{8}$ " - 16	$1\frac{5}{8}$ "	EG	20	800
BC140050EG	2	$\frac{1}{2}$ " - 13	$\frac{1}{2}$ " - 13	$1\frac{5}{8}$ "	EG	20	1300
BC140062EG	2	$\frac{5}{8}$ " - 11	$\frac{1}{2}$ " - 13	$1\frac{5}{8}$ "	EG	10	1900

*Minimum flange thickness $\frac{5}{8}$ " (16 mm).

C = Flange Size M = Bolt Size
RS = Rod Size

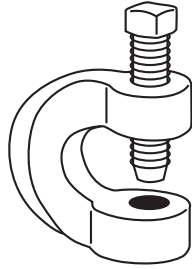


Beam/Purlin

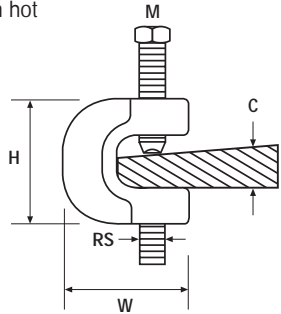
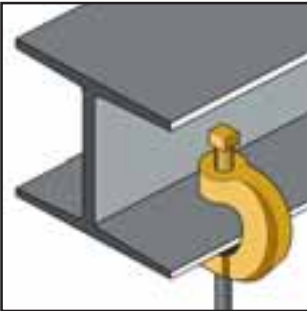
Malleable Beam Clamp Model 255

Features

- Available for threaded rod sizes $\frac{3}{8}$ " to $\frac{5}{8}$ " dia.
- For attachment to beams or angles up to $\frac{3}{4}$ " (20 mm) thick.
- Hardened cup point setscrew to provide secure grip on tapered sections.
- Malleable iron clamp with electrogalvanized finish for enhanced corrosion protection.
- Available with optional locknut and/or in hot dipped galvanized finish (special order).
- Retaining strap available separately, for more secure attachment for industrial applications.



Applications



Sizing Chart

PART NUMBER	RS	M	C MAX IN	H IN	W IN	COATING	QTY. PER BOX	LBS.
2550037EG	$\frac{3}{8}$ " - 16	$\frac{3}{8}$ " - 16	$\frac{3}{4}$ "	$1\frac{3}{4}$ "	$1\frac{11}{16}$ "	EG	100	400
2550050EG	$\frac{1}{2}$ " - 13	$\frac{3}{8}$ " - 16	$\frac{3}{4}$ "	$1\frac{3}{4}$ "	$1\frac{11}{16}$ "	EG	100	400
2550062EG	$\frac{5}{8}$ " - 11	$\frac{3}{8}$ " - 16	$\frac{3}{4}$ "	$2\frac{15}{16}$ "	$2\frac{1}{2}$ "	EG	50	440

C = Flange Size H = Fastener Height
M = Bolt Size RS = Rod Size

Beam/Purlin

Reversible Beam Clamps Model 300 & 310

Features

- Reversible for attachment to top or bottom flange.
- Malleable iron clamp with electrogalvanized finish for enhanced corrosion protection.
- Available in hot dipped galvanized finish (special order).
- Retaining strap available separately
- Hardened cup point setscrew to provide secure grip on tapered sections.
- Accommodates attachment of 1/4" dia. threaded rod, bridle rings and boxes from three positions – top, bottom and back. (Figure 3 only)

Applications

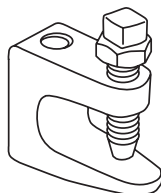
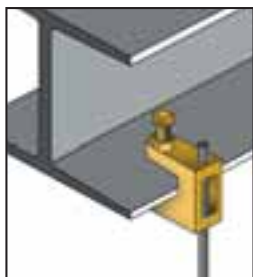


Fig. 1

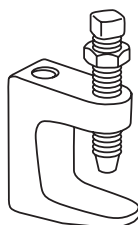


Fig. 2

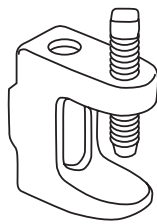
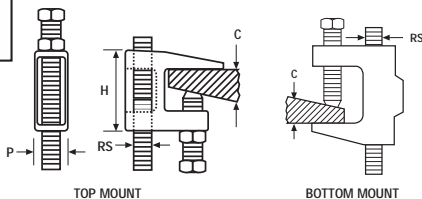


Fig. 3



Sizing Chart

PART NUMBER	FIG. NO.	RS	C MAX	H IN	P IN	QTY. PER BOX	TOP LBS.	BOTTOM LBS.
3000037EG	1	3/8 - 16	3/4"	1 ⁹ / ₁₆ "	1 ¹³ / ₁₆ "	100	500	250
3000050EG	1	1/2 - 13	3/4"	1 ¹³ / ₁₆ "	1 ¹ / ₁₆ "	50	950	760
3000062EG	1	5/8 - 11	3/4"	1 ¹³ / ₁₆ "	1 ¹ / ₁₆ "	50	950	760
3000075EG	1	3/4 - 10	3/4"	1 ³ / ₄ "	1 ¹ / ₈ "	50	950	760
3100037EG	2	3/8 - 16	1 ¹ / ₄ "	2 ¹ / ₁₆ "	1 ¹³ / ₁₆ "	50	500	250
3100050EG	2	1/2 - 13	1 ¹ / ₄ "	2 ³ / ₈ "	1 ¹ / ₁₆ "	50	950	760
BC260025EG	3	1/4 - 20	1/4 - 20			100	250	100

Coating - EG NOTE: Safety factor of 3.5. Available in hot dipped galvanized finish (special order).

C = Flange Size H = Fastener Height

P = Fastener Width RS = Rod Size



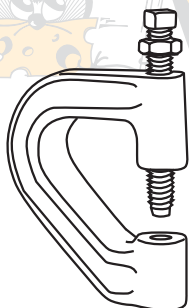
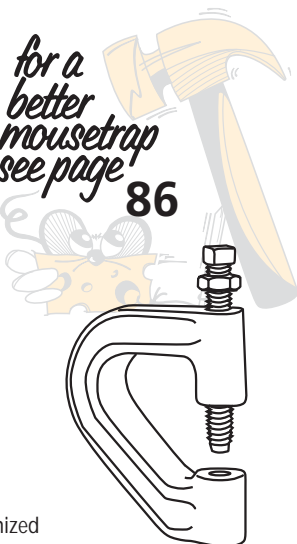
Beam/Purlin

Multi-Purpose Purlin Clamp Models 315

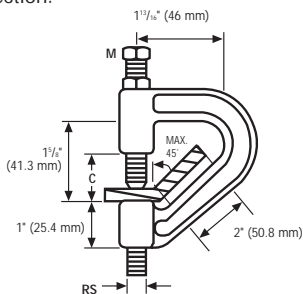
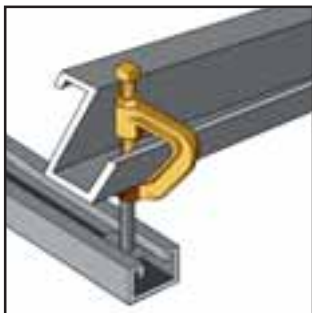
Features

- Large mouth opening ($1\frac{5}{8}$ " - 41 mm) to fit large thick flange (bottom flange) steel beams or angles and large lip "C" or "Z" Purlins.
- Available for threaded rod sizes $\frac{3}{8}$ " dia.
- Attaches to a wide variety of structural sections including "C" Purlins, angles, channels and beams.
- Locknut and hardened cup point setscrew to provide secure grip on tapered sections.
- Malleable iron clamp with electrogalvanized finish for enhanced corrosion protection.
- Available in hot dipped galvanized finish (special order).

for a better mousetrap see page 86



Applications



Sizing Chart

PART NUMBER	RS	M	C MAX IN	COATING	QTY. PER BOX	LBS.
3150037EG	$\frac{3}{8}$ - 16	$\frac{3}{8}$ - 16	1"	EG	25	400

C = Flange Size M = Bolt Size
RS = Rod Size

Beam/Purlin

Beam Clamp with Swivel Option Model BC10

Features

- Accommodates rod sizes up to 1/2" dia.
- For attachment to beams or angles up to 3/4" (20 mm) thick.
- Designed to allow swivel up to 15° from bottom holes or with the use of BC15 swivel (available separately) for attachment to inclined beams without bending the rod.
- Hardened cup point setscrew to provide secure grip on tapered sections.
- Stamped steel with electrogalvanized finish for enhanced corrosion protection.
- Available in hot dipped galvanized finish (special order).
- J-Bolt assembly available for more secure attachment in industrial applications.

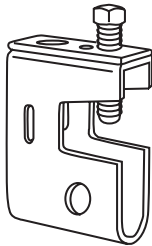


Fig. 1

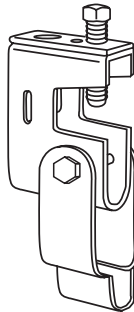
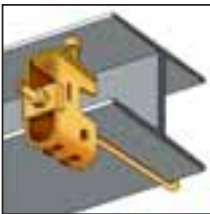
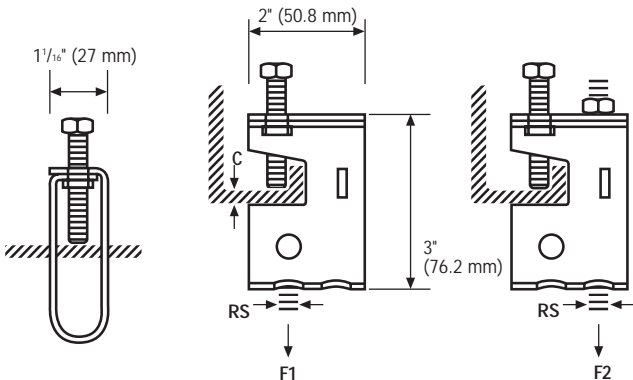


Fig. 2

Applications



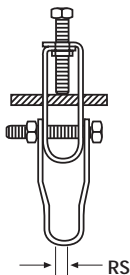
Beam/Purlin



Sizing Chart

PART NUMBER	RS	C MAX IN	COATING	QTY. PER BOX	F1 LBS.	F2 Lbs.
BC10000EG	1/2"	3/4"	EG	25	500	300

F1 is load rating from the front hole, F2 is load rating from the back hole



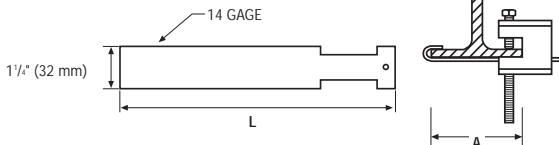
Swivel Assemblies

PART NUMBER	RS	DESCRIPTION	COATING	QTY. PER BOX
BC101500EG	1/2"	Beam clamp with swivel assembly	EG	25

C = Flange Size M = Bolt Size
RS = Rod Size

Beam/Purlin

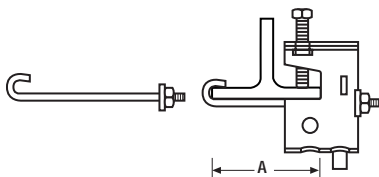
Beam Retainer Accessories



Retainer Straps for use with BC13 and BC14 Beam Clamps

PART NUMBER	IN	L mm	A MAX		COATING	QTY. PER BOX
			IN	mm		
BC090009EG	9"	230	6"	150	PG	50
BC090012EG	12"	300	9"	230	PG	50
BC090015EG	15"	380	12"	300	PG	25

See Page 94



J-Bolt for use with BC10 Beam Clamp

PART NUMBER	DESCRIPTION	A	
		IN	mm
BC110000EG	Beam Clamp with 8" J-Bolt	3 1/2" - 7	90 - 180
BC120000EG	Beam Clamp with 12" J-Bolt	7 1/2" - 11	90 - 230

See Pages 98-99

NOTE: Other sizes, coatings and materials available as a Special Order for all Retainer Straps and J-Bolts.



Beam/Purlin

Rod Hanger Beam Clamp Model 200

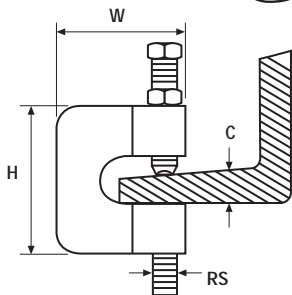
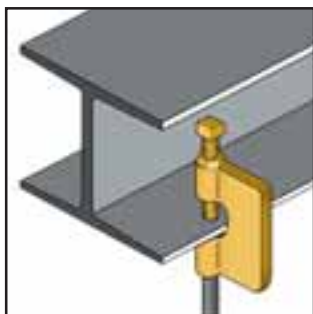
Features

- Available for threaded rod sizes $\frac{3}{8}$ " to $\frac{1}{2}$ " dia.
- For attachment to beams or angles up to $\frac{3}{4}$ " (20 mm) thick.
- Locknut and hardened cup point setscrew to provide secure grip on tapered sections.
- Stamped steel with electrogalvanized finish for enhanced corrosion protection.
- Available in hot dipped galvanized finish or made from AISI 304 stainless (special order).
- Retaining strap available separately, for more secure attachment for industrial applications.

*for a
better
mousetrap
see page* **104**



Applications



Sizing Chart

PART NUMBER	RS	M	C MAX IN	H IN	W IN	COATING	QTY. PER BOX	LBS.
2000037EG	$\frac{3}{8}$ - 16	$\frac{3}{8}$ - 16	$\frac{3}{4}$ "	$2\frac{3}{8}$ "	$2\frac{1}{4}$ "	EG	100	250
2000050EG	$\frac{1}{2}$ - 13	$\frac{1}{2}$ - 13	$\frac{3}{4}$ "	$2\frac{3}{8}$ "	$2\frac{1}{8}$ "	EG	50	760

NOTE: Safety factor of 5.

C = Flange Size H = Fastener Height
M = Bolt Size RS = Rod Size

Beam/Purlin

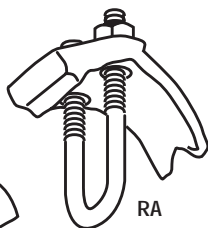
Pipe-To-Beam Clamps

Features

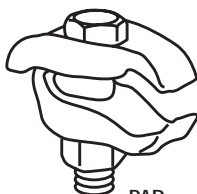
- Ideal for direct attachment of conduit to steel structural sections.
- Malleable iron casting with steel hardware.
- Hot dipped galvanized coating for superior corrosion protection.
- Range for 3/8" to 4" diameter pipe.
- Available with stainless steel hardware (special order).



ET

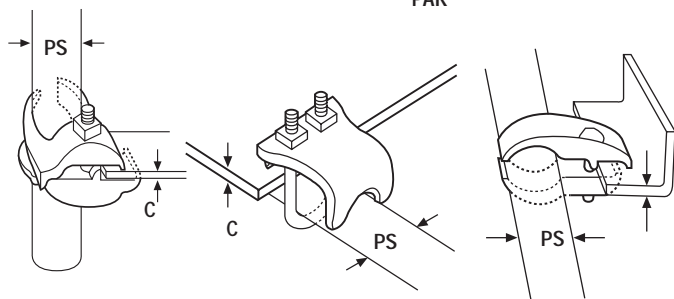


RA



PAR

Applications



Sizing Chart

PART NUMBER	PS	QTY. PER BOX	QTY. EXCEPTION
PAR- - RA- 0037HD	3/8"	25	
PAR- ET- RA- 0050HD	1/2"	25	
PAR- ET- RA- 0075HD	3/4"	25	
PAR- ET- RA- 0100HD	1"	25	
PAR- ET- RA- 0125HD	1 1/4"	25	
PAR- ET- RA- 0150HD	1 1/2"	25	PAR-25
PAR- ET- RA- 0200HD	2"	20	ET-10
PAR- ET- RA- 0250HD	2 1/2"	10	RA-20
PAR- ET- RA- 0300HD	3"	10	RA-15
PAR- - RA- 0350HD	3 1/2"	10	
PAR- - RA- 0400HD	4"	10	

NOTE: C Max is 1/4"/20mm



Strut



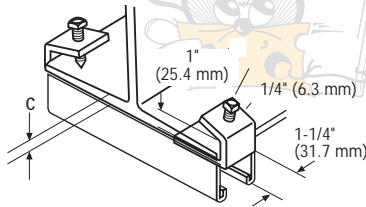
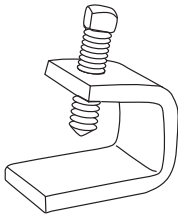
Pages 101-112



Strut

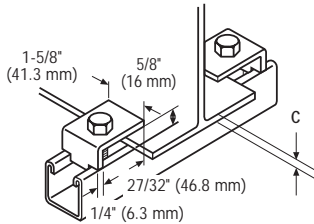
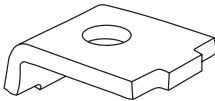
Beam Clamps for Strut

for a better mousetrap see page 104



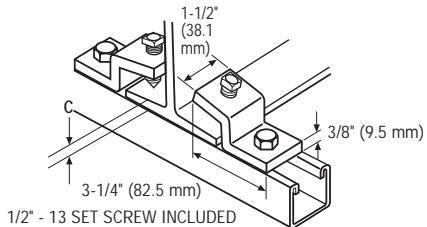
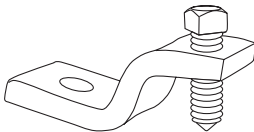
Sizing Chart

PART NUMBER	M	C MAX		COATING	QTY.	
		IN	mm		PER BOX	LBS.
BC180037EG	3/8 - 16	1"	25	EG	25	660
BC180050EG	1/2 - 13	1"	25	EG	25	660



Sizing Chart

PART NUMBER	C MAX		COATING	QTY.	
	IN	mm		PER BOX	LBS.
BC200000EG	1/2"	13	EG	50	460



Sizing Chart

PART NUMBER	C MAX		COATING	QTY.	
	IN	mm		PER BOX	LBS.
BC210000EG	1"	25	EG	25	460

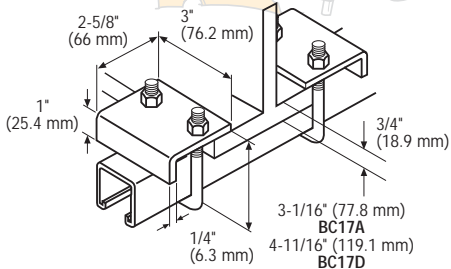
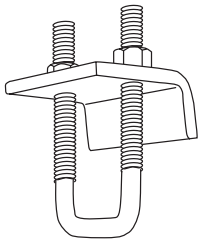
A = Flange Width C = Flange Size Ø = Diameter H = Fastener Height
 M = Bolt Size P = Fastener Width PS = Pipe Size Rigid/EMT RS = Rod Size



Strut

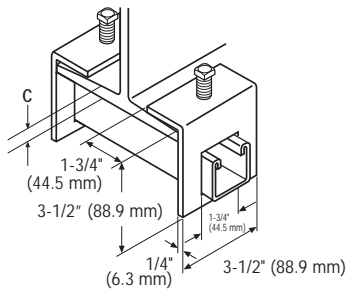
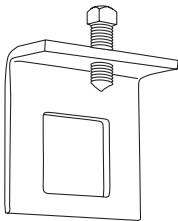
Beam Clamps for Strut

for a better mousetrap see page 104



Sizing Chart

PART NUMBER	C MAX		COATING	QTY.	
	IN	mm		PER BOX	LBS.
BC17A000EG	3/4"	20	EG	25	1200
BC17D000EG	3/4"	20	EG	25	1200
BC17PL00EG	Plate Only				



Sizing Chart

PART NUMBER	C MAX		COATING	QTY.	
	IN	mm		PER BOX	LBS.*
BC16A000EG	7/8"	22	EG	20	740

*When Used in Pairs

A = Flange Width C = Flange Size Ø = Diameter H = Fastener Height
 M = Bolt Size P = Fastener Width PS = Pipe Size Rigid/EMT RS = Rod Size

Strut

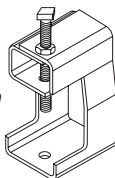
Dual Purpose Strut/Beam Clamps

Features

- More versatile alternative to window bracket or standard beam clamp.
- Strut to beam flanges up to $\frac{3}{4}$ " thickness for $1\frac{5}{8}$ " deep strut (up to $1\frac{5}{8}$ " flange thickness for $\frac{13}{16}$ " deep strut for STCB6 only.)
- Fits C purlin with $\frac{3}{4}$ " lip height (max) when used with $1\frac{5}{8}$ " deep strut.
- Lock nut and hardened cup point setscrew provide secure grip on tapered sections.
- Corrosive resistant galvanized finish. Available hot dipped galvanized finish (Special order).
- Permits strut channel opening positioning in any direction.

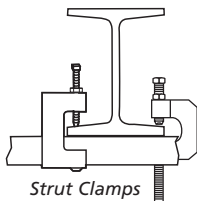
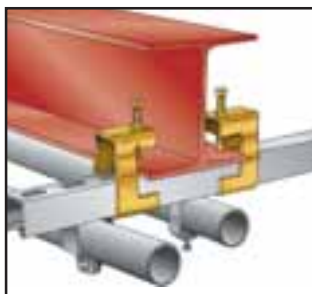


Widemouth
Fig. 1

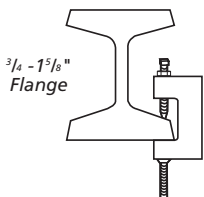


Now Available

Standard
Fig. 2

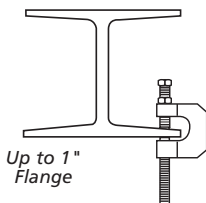


Strut Clamps



$\frac{3}{4}$ " - $1\frac{5}{8}$ "
Flange

Beam
Clamps



Up to 1"
Flange

Sizing Chart

Coating EG

PART NUMBER	FIG. NO.	DESCRIPTION	RS	C ¹	QTY. PER BOX	LBS.
STCB6	1	Dual Purpose Strut/Beam Clamp	$\frac{3}{8}$ -16	$\frac{3}{4}$ " to $1\frac{5}{8}$ "	10	400
STCB6	1	Used As Beam Clamp Without Strut	$\frac{3}{8}$ -16	$1\frac{1}{2}$ " to 2"	10	400
200RS375	2	Dual Purpose Strut/Beam Clamp	$\frac{3}{8}$ -16	Up to 1"	10	250
200RS500	2	Dual Purpose Strut/Beam Clamp	$\frac{1}{2}$ -13	Up to 1"	10	760

Note: Load based on single clamp. When used as strut hanger minimum required is 2.

¹ As beam clamp

C = Flange Size RS = Rod Size



Strut

Column Strut Clamps

Features

- Easy to install, as both parts clip to strut during installation.
- For attachment of strut inside wide flange column or beams.
- Quick to install – tightening of only one bolt is required.
- Electrogalvanized finish.

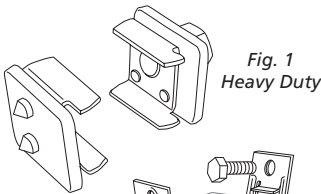
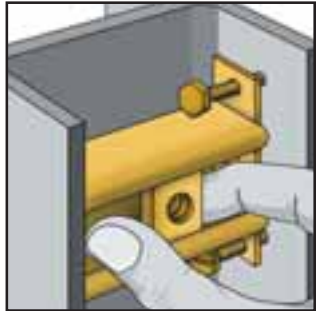
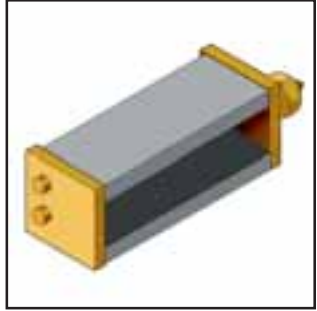


Fig. 1
Heavy Duty

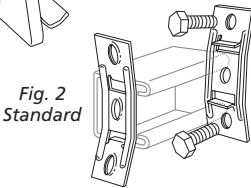
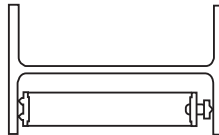
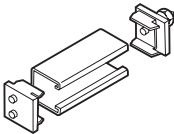


Fig. 2
Standard



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	COATING	QTY. PER BOX
BC23A000EG	1	Fits all 1 ⁵ / ₈ " x 1 ⁵ / ₈ " strut	EG	25

Packed in pairs.

PART NUMBER	FIG. NO.	COATING	QTY. PER BOX	LBS.*
INC8T5	2	EPZ	100	100

*When Used in Pairs

Strut

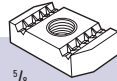
Strut Nuts

for a better mousetrap see page 109



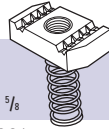
Fits all strut 1 5/8" (41 mm) wide

1/4	5/16	3/8	1/2	5/8	3/4
NUT0025EG	NUT0031EG	NUT0037EG	NUT0050EG	NUT0062EG	NUT0075EG



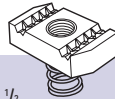
Fits 1 5/8" x 1 5/8" (41 mm x 41 mm)
Fits 1 5/8" x 1 3/8" (41 mm x 35 mm)

1/4	5/16	3/8	1/2	5/8	3/4
SO*	SO*	SPRA0037EG	SPRA0050EG	SO*	N/A



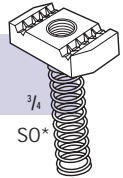
Fits 1 5/8" x 1 3/16" (41 mm x 21 mm)

1/4	5/16	3/8	1/2	5/8	3/4
SPRC0025EG	SO*	SPRC0037EG	SPRC0050EG	SO*	SO*



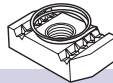
Fits 1 5/8" x 2 7/16" (41 mm x 62 mm)
Fits 1 5/8" x 3 1/4" (41 mm x 83 mm)

1/4	5/16	3/8	1/2	5/8	3/4
SPRD0025EG	SO*	SPRD0037EG	SPRD0050EG	SO*	SO*



Fits all strut 1 5/8" (41 mm) wide

1/4	5/16	3/8	1/2	5/8	3/4
TSNT0025EG	SO*	TSNT0037EG	TSNT0050EG	SO*	SO*



Fits all strut 1 5/8" (41 mm) wide

1/4	5/16	3/8	1/2	5/8	3/4
MFA41	N/A	N/A	N/A	N/A	N/A



Length (L)

5/8" (16 mm)

1/4 MFA625

3/8 NA

1/2 NA

7/8" (22 mm)

SPRM2508EG

SO*

SO*

1 1/8" (28 mm)

SPRM2511EG

SPRM3711EG

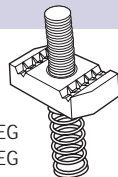
SPRM5011EG

1 3/8" (35 mm)

SO*

SO*

SPRM5013EG



*SO = Special Order



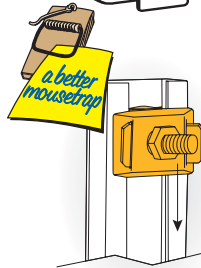
CADDY

Strut

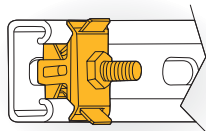
CADDY® SLICK Strut Nut

Features

- Eliminates hard-to-handle spring nuts
- Installs with one hand
- Available in 1/4", 3/8" and 1/2" thread sizes
- Provides fast, universal attachment of threaded rod and hardware to standard strut profiles
- Reduces installation time by up to 50%
- Unique one-piece design
- Eliminates the need for a washer
- Easily fits all standard strut depths – reducing inventory as much as 75%!
- For use indoors

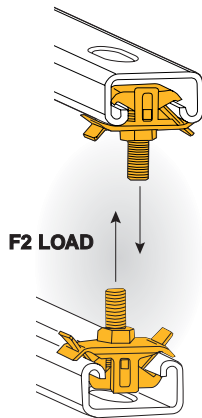
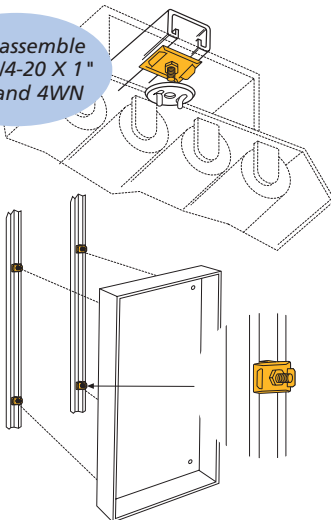


F1 LOAD



Applications

Field assemble with 1/4-20 X 1" bolt and 4WN



F2 LOAD

Sizing Chart

Contact ERICO® For Available Metric Sizes

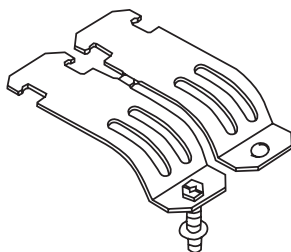
PART NUMBER	THREAD SIZE	RECOMMENDED TORQUE	F1 LOAD		F2 LOAD		QTY. PER BOX
			12GA	14GA	12GA	14GA	
SLICK250	1/4 - 20	5 ft.-lbs.	250#	150#	800#	800#	100
SLICK375	3/8 - 16	15 ft.-lbs.	400#	300#	1100#	1100#	100
SLICK500	1/2 - 13	20 ft.-lbs.	650#	550#	1250#	1100#	100

Strut

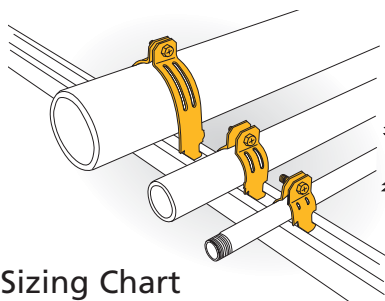
Rigid Pipe Clamp One-Piece

Features

- Supports rigid pipe to strut
- Handles heavy loads
- One -piece design incorporates a retained bolt and built-in nut
- Installs with either a screwdriver or a nut driver
- Complete line is available to fit a wide range of pipe sizes
- Available in various materials and finishes



Applications



Sizing Chart

PART NUMBER	PIPE SIZE NOMINAL	PIPE SIZE O.D.	LOAD (LBS.)	QTY. PER BOX
RIGD0050XX*	1/2"	0.840	400	100
RIGD0075XX*	3/4"	1.050	400	100
RIGD0100XX*	1"	1.315	600	100
RIGD0125XX*	1 1/4"	1.660	600	100
RIGD0150XX*	1 1/2"	1.900	800	100
RIGD0200XX*	2"	2.375	800	100
RIGD0250XX*	2 1/2"	2.875	800	100
RIGD0300XX*	3"	3.500	800	100
RIGD0350XX*	3 1/2"	4.000	1000	100
RIGD0400XX*	4"	4.500	1000	100

* XX denoted finish available: **EG** - Electro-Galvanized, **CG** - Yellow Chromate, **S4** - Stainless 304, **S6** - Stainless 316, **HD** - Hot Dipped Galvanized, **AL** - Aluminum. Contact ERICO® for Copper Applications.

3/8", 5", 6", 8", 10", 12" available without one-piece design, retained combo-head bolt, or built-in nut.

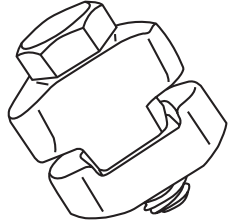


Strut

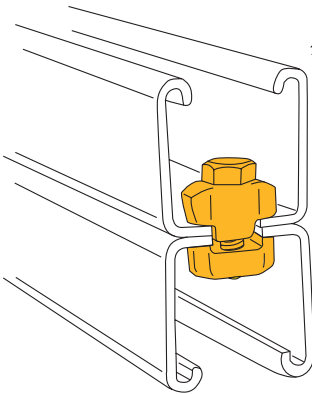
STS (Strut-to-Strut) Strut Clamp

Features

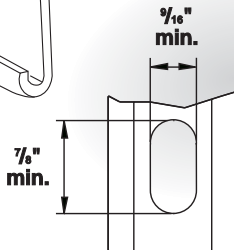
- Provides fast assembly of back-to-back half-slot strut as an alternative to welded strut
- Unique one-piece assembly that eliminates the need for bolts, washers, and nuts
- For new or retrofit applications
- Allows joining of dissimilar half-slot channel, regardless of profile size or finish
- Easy installation with a 1/2" nut driver



Applications



1/2" nut driver or socket



Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX	WORKING LOAD
STS	Strut-to-strut clamp	100	1000 lbs.*

* 1000 lbs. working load per total assembly. (5-to-1 safety factor.) Not to exceed 1000 lbs. Half-slot dimensions vary by manufacturer. Minimum half-slot dimensions 9/16" x 7/8". Strut type and structure need to be evaluated to establish load for assembly. Use 1 STS per 1 ft. of strut, minimum of 2 required.

Strut

Fig. 1



A-12
12 Gauge
1-5/8" x 1-5/8"

Fig. 2



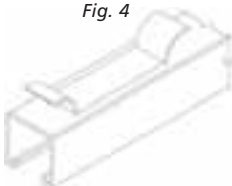
A-12A
Welded Back-to-Back
A-12

Fig. 3



C-12
12 Gauge
1-5/8" x 13/16"

Fig. 4



CON
Continuous
Concrete Insert

Fig. 5



No. 50
All Threaded Rod

Fig. 6



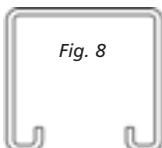
No. 11
Square Channel
Washer

Fig. 7



C-14
14 Gauge
1-5/8" x 13/16"

Fig. 8



A-14
14 Gauge
1-5/8" x 1-5/8"



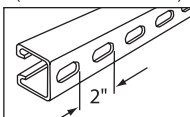
Strut

CADDY® ERISTRUT Channel and Select Accessories

PART NUMBER	DESCRIPTION	FIG. NO.	QTY. PER
A121000PG	12GA Solid 1-5/8" 10' Pre-Galv	1	500' bundle
A122000GN	12GA Solid 1-5/8" 20' Green	1	500' bundle
A122000PG	12GA Solid 1-5/8" 20' Pre-Galv	1	500' bundle
A122000PL	12GA Solid 1-5/8" 20' Plain	1	500' bundle
A12A1000GN	12GA Welded 1-5/8" 10' Green	2	250' bundle
A12A1000PG	12GA Welded 1-5/8" 10' Pre-Galv	2	250' bundle
A12A2000GN	12GA Welded 1-5/8" 20' Green	2	200' bundle
A12A2000PG	12GA Welded 1-5/8" 20' Pre-Galv	2	200' bundle
A12AH100PG	12GA Half Slot Welded 1-5/8" 10' Pre-Galv	2	250' bundle
A12AH200GN	12GA Half Slot Welded 1-5/8" 20' Green	2	200' bundle
A12AH200PG	12GA Half Slot Welded 1-5/8" 20' Pre-Galv	2	200' bundle
A12H1000CG	12GA Half Slot 1-5/8" 10' Chromate (Gold)	1	500' bundle
A12H1000GN	12GA Half Slot 1-5/8" 10' Green	1	500' bundle
A12H1000PG	12GA Half Slot 1-5/8" 10' Pre-Galv	1	500' bundle
A12H2000CG	12GA Half Slot 1-5/8" 20' Chromate (Gold)	1	500' bundle
A12H2000GN	12GA Half Slot 1-5/8" 20' Green	1	500' bundle
A12H2000PG	12GA Half Slot 1-5/8" 20' Pre-Galv	1	500' bundle
A14H1000CG	14GA Half Slot 1-5/8" 10' Chromate (Gold)	8	500' bundle
A14H1000GN	14GA Half Slot 1-5/8" 10' Green	8	500' bundle
A14H1000PG	14GA Half Slot 1-5/8" 10' Pre-Galv	8	500' bundle
A14H2000GN	14GA Half Slot 1-5/8" 20' Green	8	500' bundle
A14H2000PG	14GA Half Slot 1-5/8" 20' Pre-Galv	8	500' bundle
C12H1000CG	12GA Half Slot 13/16" 10' Chromate (Gold)	3	500' bundle
C12H1000GN	12GA Half Slot 13/16" 10' Green	3	500' bundle
C12H1000PG	12GA Half Slot 13/16" 10' Pre-Galv	3	500' bundle
C12H2000GN	12GA Half Slot 13/16" 20' Green	3	500' bundle
C12H2000PG	12GA Half Slot 13/16" 20' Pre-Galv	3	500' bundle
C14H1000CG	14GA Half Slot 13/16" 10' Chromate (Gold)	7	500' bundle
C14H1000GN	14GA Half Slot 13/16" 10' Green	7	500' bundle
C14H1000PG	14GA Half Slot 13/16" 10' Pre-Galv	7	500' bundle
C14H2000CG	14GA Half Slot 13/16" 20' Chromate (Gold)	7	500' bundle
C14H2000GN	14GA Half Slot 13/16" 20' Green	7	500' bundle
C14H2000PG	14GA Half Slot 13/16" 20' Pre-Galv	7	500' bundle
CONC122000PG	13/16 Continuous Concrete Insert Pre-Galv	4	500' bundle
0502510EG	Threaded Rod 1/4" x 10' EG	5	25 PC
0503710EG	Threaded Rod 3/8" x 10' EG	5	25 PC
0505010EG	Threaded Rod 1/2" x 10' EG	5	25 PC
F140000EG	Square Channel Washer 3/8" EG	6	100 box
F150000EG	Square Channel Washer 5/8" EG	6	100 box

HALF SLOT

(1-1/8" x 9/16" slots)



Strut

ESC

Features

- Spring steel permits snap in attachment without tools.
- Works on industry standard strut profile.
- Provides fast attachment of a 1/4" mounting hole, J-Hook, cable, conduit, or 1/4" threaded rod to strut

Applications

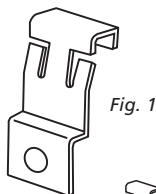
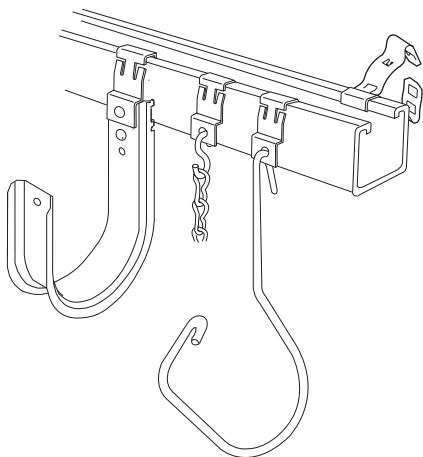


Fig. 2

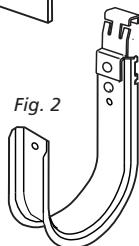


Fig. 3

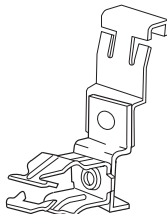
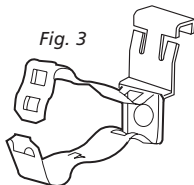


Fig. 4

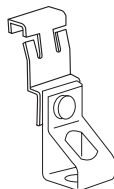


Fig. 5

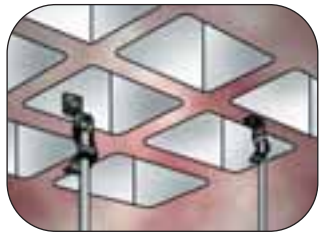
Sizing Chart

Load limit 50 lbs.

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
ESC4	1	Easy Strut Clip	100
CAT12ESC	2	Snap-in 3/4" Diameter J-Hook	60
CAT21ESC	2	Snap-in 1-5/16" Diameter J-Hook	60
CAT32ESC	2	Snap-in 2" Diameter J-Hook	40
ESC6M	3	Snap-in MC/AC cable	100
ESC812M	3	Snap-in 1/2"-3/4" conduit	100
ESC8P	4	Snap-in 1/2" conduit	100
ESC12P	4	Snap-in 3/4" conduit	100
ESC4TI	5	Snap-in 1/4"-20 threaded rod	100
ESC6TI	5	Snap-in 3/8"-16 threaded rod	100



Hangers/Hanging Systems



Pages 113-124

Hangers/Hanging Systems

Rod And Wire Hangers

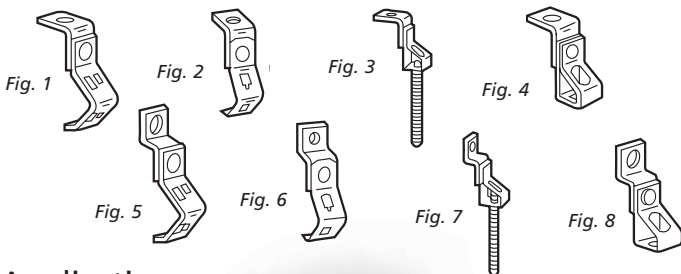
Features

- **ANGLE BRACKET** suspends plain rod, threaded rod or wire drops from laminated wood or concrete beams, joists, ceilings and walls.
- **OFFSET BRACKET** suspends plain rod, threaded rod or wire drops from laminated wood or concrete beams, joists, ceilings and walls.

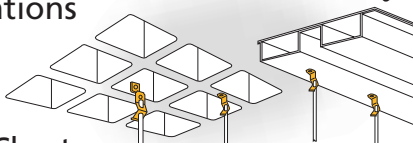
for a better mousetrap see page 115

NOTE:

Loads indicated are for CADDY® Fasteners only. Method of attachment to structure must be evaluated separately.



Applications



Sizing Chart

Static load limit 160 lbs.

PART NO. ANGLE BRACKET	FIG. NO.	QTY. PER BOX	DESCRIPTION	PART NO. OFFSET BRACKET	FIG. NO.	QTY. PER BOX
708AB	1	100	For #8 wire or 1/4" plain rod	708AO	5	100
6AB	2	100	For 3/8" plain rod	6AO	6	100
4TIB	3	100	For 1/4" threaded rod, with thread impression	4TIO	7	100
6TIB	3	100	For 3/8" threaded rod, with thread impression	6TIO	7	100
6TB	4	100	For 1/4" or 3/8" threaded rod, nuts required	6TO	8	100



Hangers/Hanging Systems

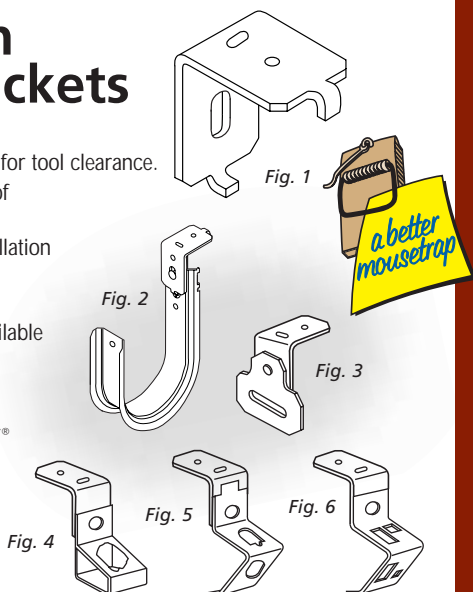
Pin Driven Angle Brackets

Features

- Longer leg angle bracket for tool clearance.
- Designed to fit a variety of pin drivers.
- Improved for easier installation with pin drivers.
- Pregalvanized steel.
- Preassembly options available for Rod, Wire, Strap and Cable Applications.

NOTE:

Load limits apply to CADDY® Fasteners only. Pin must be evaluated separately.



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	LOAD	QTY. PER BOX
AFAB3	1	Angle bracket with 1/4" slotted hole and 3/16" mounting hole.	160	100
CAT21AFAB3	2	Cable support hanger with angle bracket. 1 5/16" diameter loop.	50	50
CAT32AFAB3	2	Cable support hanger with angle bracket. 2" diameter loop	50	40
CAT64AFAB3	2	Cable support hanger with angle bracket. 4" diameter loop	100	25
CAT12AFAB3	2	Cable support hanger with angle bracket. Holds up to 16 cables of 4 twisted pair or fiber optic.	50	50
MSSAFAB3	3	Strap hanger to angle bracket.	200	50
4TIAFAB3	4	For 1/4" threaded rod, with thread impression.	160	50
6TIAFAB3	4	For 3/8" threaded rod, with thread impression.	160	100
6TAFAB3	4	For 1/4" or 3/8" threaded rod, nuts required.	160	100
6AFAB3	5	For 3/8" plain rod.	160	100
708AFAB3	6	For #8 wire or 1/4" rod.	160	100

Hangers/Hanging Systems

Hammer-On Plain And Threaded Rod Hangers

Beam Clamps

Features

- Used to suspend #8 wire, 1/4", 3/8" plain rod or 1/4" or 3/8" threaded rod from beam flanges 1/8" to 3/4" thick.
- Requires only hammer to install.

Applications

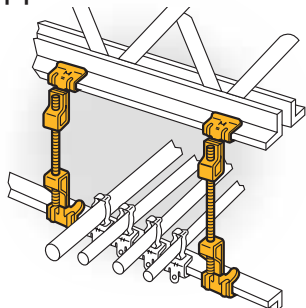


Fig. 1

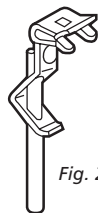


Fig. 2

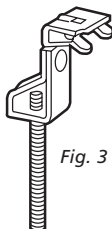


Fig. 3

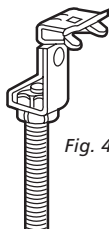


Fig. 4



Sizing Chart

Static load limit 200 lbs.

PART NUMBER	FIG. NO.	FLANGE THICKNESS	ROD SIZE	QTY. PER BOX
70824	1	1/8"-1/4"	#8 wire or 1/4" plain rod	100
70858	1	5/16"-1/2"	#8 wire or 1/4" plain rod	100
708912	1	9/16"-3/4"	#8 wire or 1/4" plain rod	100
6A24	2	1/8"-1/4"	3/8" (plain)	100
6A58	2	5/16"-1/2"	3/8" (plain)	100
6A912	2	9/16"-3/4"	3/8" (plain)	100
4TI24	3	1/8"-1/4"	1/4" threaded	100
4TI58	3	5/16"-1/2"	1/4" threaded	100
4TI912	3	9/16"-3/4"	1/4" threaded	100
6TI24	3	1/8"-1/4"	3/8" threaded	100
6TI58	3	5/16"-1/2"	3/8" threaded	100
6TI912	3	9/16"-3/4"	3/8" threaded	100
6TA24	4	1/8"-1/4"	1/4" or 3/8" threaded*	100
6TA58	4	5/16"-1/2"	1/4" or 3/8" threaded*	100
6TA912	4	9/16"-3/4"	1/4" or 3/8" threaded*	100

*Nuts required.



Hangers/Hanging Systems

Threaded Rod Hanger For Bar Joists

Features

- Fits open web joists with round bottom chords.
- Permits accurate centering.
- Part No. 6W for threaded rods $\frac{3}{8}$ " and smaller, nuts required.
- Part No. 4TW for threaded rods or bolts, $\frac{1}{4}$ -20 thread impression.

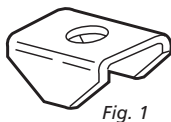


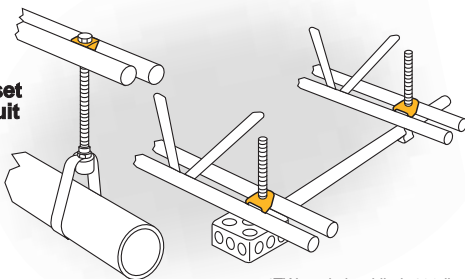
Fig. 1



Fig. 2

Applications

Eliminates offset bending conduit



Sizing Chart

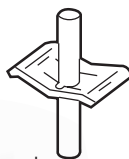
4TW static load limit 100 lbs.
6W static load limit 200 lbs.

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
6W	1	Wedge hanger	100
4TW	2	Threaded wedge hanger	100

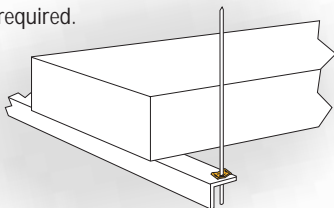
Fixture Support From Plain Rod

Features

- Eliminates the use of nut and allows the use of plain rod.
- No installation tools required.



Applications



Sizing Chart

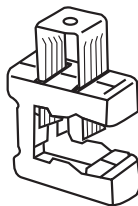
PART NUMBER	SIZE	STATIC LOAD LIMIT	QTY. PER BOX
2EBN	#8 wire	100 lbs. thru $\frac{3}{8}$ " hole	100
4EBN	$\frac{1}{4}$ " plain rod	100 lbs. thru $\frac{3}{8}$ " hole	100
6EBN	$\frac{3}{8}$ " plain rod	200 lbs. thru $\frac{1}{2}$ " hole	100

Hangers/Hanging Systems

ISN Smart Nut

Features

- Snaps anywhere on 3/8-16 threaded rod
- Adjustable and removable
- Eliminates excessive threading into place
- Supports plumbing, HVAC, electrical
- Reduces installation time
- Ideal when rod ends are not accessible or for retrofit applications

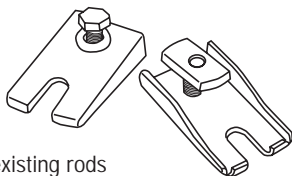


UPC#	PART NUMBER	DESCRIPTION	WEIGHT PER 100	LOAD RATING
782856	ISN375	Smart Nut, 3/8-16 thread	3.1 lbs.	220 lbs.

ISSP Strut Plate

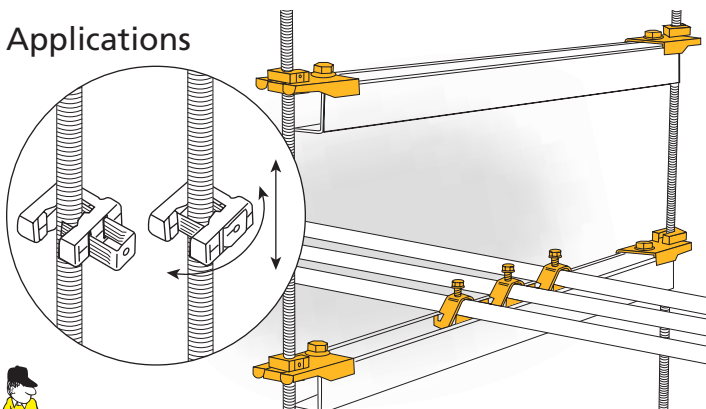
Features

- Allows for easy attachment of strut between existing rods
- Eliminates precise cutting of strut and the need for multiple hardware pieces
- For commercial and industrial applications
- Bolt has locking design to prevent loosening due to vibration



UPC#	PART NUMBER	DESCRIPTION	QTY. PER BOX	WEIGHT PER 100	LOAD RATING
782856	ISSPK	ISN/ISSP Kit (for 3/8-16 threaded rod)	Sets*	10.4 lbs.	220 lbs.
*Order in sets of 12 – 1 set includes (2) ISSP375 and (4) ISN375					
45144	ISSP375	Strut Plate Only (No Hardware)	100	36 lbs.	–

Applications



Hangers/Hanging Systems

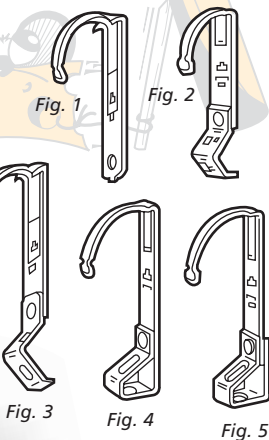
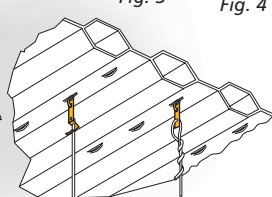
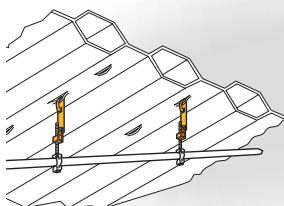
Deck Hangers For Rods And Wires From Cellular Floor Deck (H.H. Robertson or R.C. Mahon)

*for a
better
mousetrap
see page* **120**

Features

- Design to support #8 wire, $\frac{1}{4}$ " or $\frac{3}{8}$ " plain rod, $\frac{1}{4}$ " or $\frac{3}{8}$ " threaded rod (with or without nuts) and 1" wide strap from Cellular Floors with hanger tabs.
- Positive locking through deck tab. Prevents twisting or loosening due to vibration.

Applications



Sizing Chart

Static load limit 160 lbs. Check with deck manufacturer for recommended load capacity

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
DH2	1	For wrapping wire, "S" hooks, bolting straps	100
DH708	2	For #8 wire or $\frac{1}{4}$ " plain rod	100
DH6A	3	For $\frac{3}{8}$ " plain rod	100
DH4TI	4	For $\frac{1}{4}$ " threaded rod, with thread impression	100
DH6TI	4	For $\frac{3}{8}$ " threaded rod, with thread impression	100
DH6T	5	For $\frac{1}{4}$ " and $\frac{3}{8}$ " threaded rod, nuts required	100

Hangers/Hanging Systems

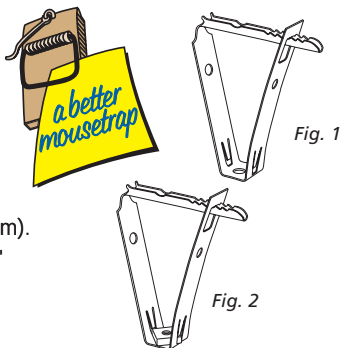
Deck Hanger And Punch

Features (Hanger)

- Minimum roof decking sheet thickness 24 gauge.
- Maximum trapeze width 2" (50 mm).
- 1/4" or 3/8" square section nut or 3/8" (10 mm) clearance hole.

NOTE:

Not for use with ceiling fans.



Features (Punch)

- Easy one step operation.
- Pre-set dimensions.
- No secondary power source required.



Applications



Roof Decking Thickness

IN	mm	GAUGE	Lbs.	kN.
0.025-0.0276	0.63-0.70	24	130	0.60
0.0276-0.0315	0.70-0.80	23	150	0.70
0.0315-0.0394	0.80-1.00	22	180	0.80
0.0394	1.00	19	200	0.90
0.0516	1.20	18	240	1.07

Sizing Chart

Check with deck manufacturer for recommended load capacity.

PART NUMBER	FIG. NO.	DESCRIPTION	COATING	QTY. PER BOX
TDH	1	3/8" Plain Hole	EPZ	50
TDHT4	2	1/4 - 20 Nut	EPZ	50
TDHT6	2	3/8 - 16 Nut	EPZ	50
TDHP2	3	Deck Hanger Punch	-	1
TDHP2PR10		Replacement Punch (requires 2 per punch)	-	1



Hangers/Hanging Systems

Strap Hanger Clips

Features

- Simple solution for supporting of air duct.
- Accepts wider strap widths up to 1 1/4".
- The new clips are made from galvanized steel instead of spring steel. This expands the use to more applications, especially when used with other plated parts like our BC200 beam clamp.

NOTE:

Loads indicated are for CADDY® Fasteners only.

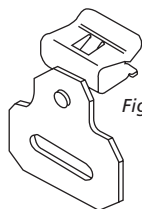


Fig. 1

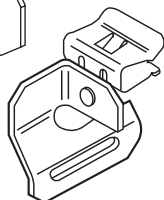


Fig. 2

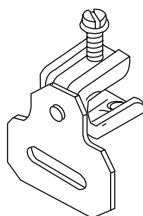


Fig. 3

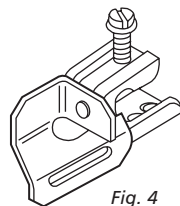


Fig. 4

Applications

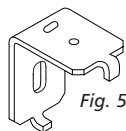
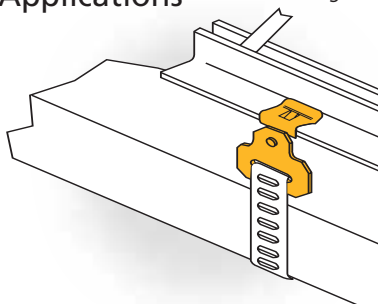


Fig. 5

Improved Galvanized and Plated Components for more demanding environments.

Sizing Chart

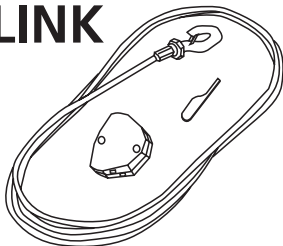
PART NUMBER	FIG. NO.	FLANGE THICKNESS	LOAD RATING	QTY. PER BOX
MSS24	1	1/8" to 1/4"	200#	50
MSS58	1	5/16" to 1/2"	200#	50
MSS912	1	9/16" to 3/4"	200#	50
MSR24	2	1/8" to 1/4"	200#	50
MSR58	2	5/16" to 1/2"	200#	50
MSR912	2	9/16" to 3/4"	200#	50
MSSBC200	3	1/8" to 5/8"	100#	50
MSRBC200	4	1/8" to 5/8"	100#	50
MSSAFAB3	5	Strap hanger to angle bracket	160#	50

Hangers/Hanging Systems

CADDY® SPEED LINK

Features

- Reduces installation time
- Quickly installs as a stand-alone hanging system without drilling into the building structure
- Works with a variety of CADDY® Fasteners
- Meets the fire rating requirements of DIN 4102-2 for 30 minutes at 30 percent of rated load.
- Reduces inventory, storage space and shipping costs
- Increases installation versatility
- Minimizes vibration and system wear & tear
- Improves installation aesthetics
- Unique steel locking device allows for adjustment both during and after installation.



Sizing Chart

PART NUMBER	WIRE ROPE DIMENSIONS		QTY. PER BOX	WORKING LOAD
	Diameter	Length		
SLD2L1	2 mm (.079 in)	1 m (3.3 ft)	100	45 kg (100 lbs)
SLD2L2	2 mm (.079 in)	2 m (6.6 ft)	100	45 kg (100 lbs)
SLD2L3	2 mm (.079 in)	3 m (9.9 ft)	100	45 kg (100 lbs)
SLD2L5	2 mm (.079 in)	5 m (16.4 ft)	50	45 kg (100 lbs)
SLD2L10	2 mm (.079 in)	10 m (32.8 ft)	25	45 kg (100 lbs)
SLD3L1	3 mm (.118 in)	1 m (3.3 ft)	100	90 kg (200 lbs)
SLD3L2	3 mm (.118 in)	2 m (6.6 ft)	100	90 kg (200 lbs)
SLD3L3	3 mm (.118 in)	3 m (9.9 ft)	50	90 kg (200 lbs)
SLD3L5	3 mm (.118 in)	5 m (16.4 ft)	50	90 kg (200 lbs)
SLD3L10	3 mm (.118 in)	10 m (32.8 ft)	25	90 kg (200 lbs)

Individually Packaged

SLD2L1BP	2 mm (.079 in)	1 m (3.3 ft)	100	45 kg (100 lbs)
SLD2L2BP	2 mm (.079 in)	2 m (6.6 ft)	100	45 kg (100 lbs)
SLD2L3BP	2 mm (.079 in)	3 m (9.9 ft)	100	45 kg (100 lbs)
SLD2L5BP	2 mm (.079 in)	5 m (16.4 ft)	50	45 kg (100 lbs)
SLD2L10BP	2 mm (.079 in)	10 m (32.8 ft)	25	45 kg (100 lbs)
SLD3L1BP	3 mm (.118 in)	1 m (3.3 ft)	100	90 kg (200 lbs)
SLD3L2BP	3 mm (.118 in)	2 m (6.6 ft)	100	90 kg (200 lbs)
SLD3L3BP	3 mm (.118 in)	3 m (9.9 ft)	50	90 kg (200 lbs)
SLD3L5BP	3 mm (.118 in)	5 m (16.4 ft)	50	90 kg (200 lbs)
SLD3L10BP	3 mm (.118 in)	10 m (32.8 ft)	25	90 kg (200 lbs)

Stainless Steel

SLD3L2SS	3 mm (.118 in)	2 m (6.6 ft)	100	90 kg (200 lbs)
SLD3L3SS	3 mm (.118 in)	3 m (9.9 ft)	50	90 kg (200 lbs)



Hangers/Hanging Systems

Applications

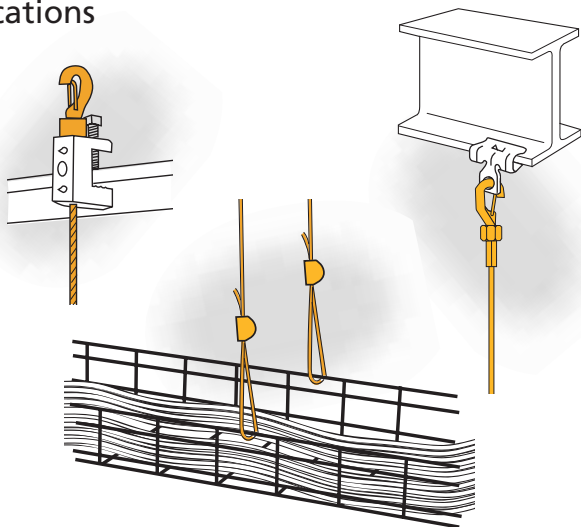
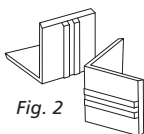


Fig. 1



Fig. 2



CADDY® SPEED LINK Tools & Accessories

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX	WT. BOX (LBS.)
SLWC	1	CADDY SPEED LINK Wire Cutter	1	0.7
SLADCP	2	Air Duct Corner Protector	10	0.4
SLEB250	-	Eye bolt 1/4-20 by 1-3/16 inches	100	1.5
SLEB375	-	Eye bolt 3/8-16 by 1-9/16 inches	100	3.3
SLEBWS	-	Eye bolt wood screw H6 by 60mm (2-3/8 inches)	100	2.5
SLWPT	-	Wire insulation protection tube (25 meters per box)	82 ft.	3.8
SLADS	-	Air duct support	100	1.3
SL1214	-	Clip .468 to .562 MC/AC cable to CADDY SPEED LINK wire	100	1.1
SL1518	-	Clip .500 to .718 MC/AC cable to CADDY SPEED LINK wire	100	1.2
SLLC250†	-	CADDY SPEED LINK Lighting clip 1/4 inch	200	0.43

†50 pound ultimate static load limit. Not to be used as a lifting device.

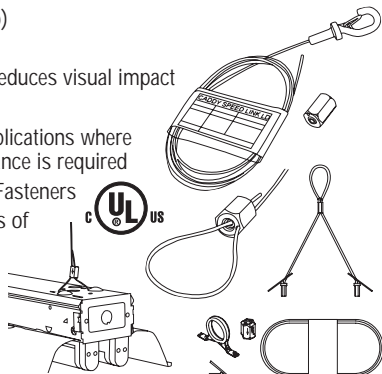
For other CADDY® SPEED LINK tools and accessories, visit the ERICO® website or contact us by phone.

Hangers/Hanging Systems

CADDY® SPEED LINK LD

Features

- Ideal in lighting and other installation projects
- Cost-effective alternative to jack chain, threaded rod and associated hardware
- Safe working load of 20 kg (44 lb)
- 5:1 safety factor
- Sleek low-profile locking device reduces visual impact
- Adjustable after installation
- Available in stainless steel for applications where a higher level of corrosion resistance is required
- Works with a variety of CADDY® Fasteners
- Meets the fire rating requirements of DIN 4102-2 for 30 minutes (for galvanized wire rope) and for 90 minutes (for stainless steel wire rope) at 30 percent of rated load.



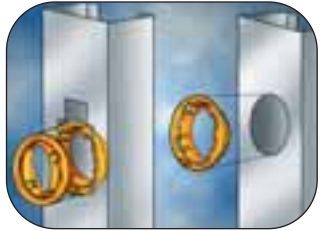
Sizing Chart

PART NUMBER	WIRE ROPE LENGTH	MATERIAL	QTY. PER BOX	WORKING LOAD
HOOK				
SLD15L1	1 m (3.3 ft)	galvanized steel	100	20 kg (44 lbs.)
SLD15L2	2 m (6.6 ft)	galvanized steel	100	20 kg (44 lbs.)
SLD15L3	3 m (9.9 ft)	galvanized steel	100	20 kg (44 lbs.)
SLD15L5	5 m (16.4 ft)	galvanized steel	100	20 kg (44 lbs.)
SLD15L10	10 m (32.8 ft)	galvanized steel	100	20 kg (44 lbs.)
TOGGLE				
SLD15L1T	1 m (3.3 ft)	galvanized steel	20	20 kg (44 lbs.)
SLD15L2T	2 m (6.6 ft)	galvanized steel	20	20 kg (44 lbs.)
SLD15L3T	3 m (9.9 ft)	galvanized steel	20	20 kg (44 lbs.)
SLD15L5T	5 m (16.4 ft)	galvanized steel	20	20 kg (44 lbs.)
SLD15L10T	10 m (32.8 ft)	galvanized steel	20	20 kg (44 lbs.)
Y-TOGGLE				
SLD15Y500	500 mm (20 in)	galvanized steel	20	20 kg (44 lbs.)
SLD15Y800	800 mm (32 in)	galvanized steel	20	20 kg (44 lbs.)
2-PACKS - STAINLESS STEEL - HOOK				
SLD15L2S	2 m (6.6 ft)	stainless steel	2 / bag	20 kg (44 lbs.)
SLD15L5S	5 m (16.4 ft)	stainless steel	2 / bag	20 kg (44 lbs.)
SLD15L10S	10 m (32.8 ft)	stainless steel	2 / bag	20 kg (44 lbs.)
2-PACKS - HOOK				
SLD15L1TP	1 m (3.3 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L2TP	2 m (6.6 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L3TP	3 m (9.9 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L5TP	5 m (16.4 ft)	galvanized steel	2	20 kg (44 lbs.)
2-PACKS - TOGGLE				
SLD15L1TTP	1 m (3.3 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L2TTP	2 m (6.6 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L3TTP	3 m (9.9 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L5TTP	5 m (16.4 ft)	galvanized steel	2	20 kg (44 lbs.)
SLD15L10TTP	10 m (32.8 ft)	galvanized steel	2	20 kg (44 lbs.)
2-PACKS - Y-TOGGLE				
SLD15Y500TP	500 mm (20 in)	galvanized steel	2	20 kg (44 lbs.)
SLD15Y800TP	800 mm (32 in)	galvanized steel	2	20 kg (44 lbs.)

See page 123 for tools & accessories.



Stud Wall



Pages 125-144



Stud Wall

Box Mounting Bracket For Electric Box

Features

- Easily attaches 4" and 4¹¹/₁₆" outlet boxes to metal stud (HS3 switch boxes).
- Support leg reduces movement of box in wall.
- Can be attached to metal or wood stud.
- Offset design and use of CADDY® #SMS8 low profile self-tapping screws (not included) reduce dry wall bulge.
- Delivers compliance with:
NEC Article 300.4(d) when used for 4" and 4¹¹/₁₆" outlet boxes to metal or wood studs.
CEC Rule 12-3012 for 4" and 4¹¹/₁₆" outlet boxes to metal or wood studs.

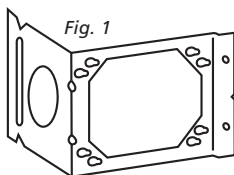
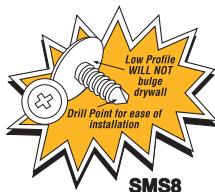
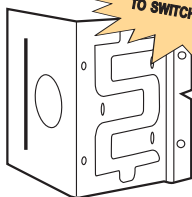
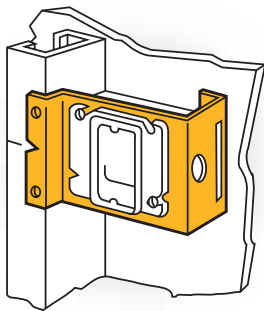
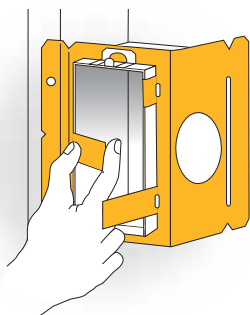


Fig. 2



Applications



Sizing Chart

UL & cUL Listed Positioning Only

PART NUMBER	FIG. NO.	APPLICATION	BOX SIZE(S)	STUD DEPTH	QTY. PER BOX
H23	1	U.S.	4" sq. & 4 ¹¹ / ₁₆ "	2 ¹ / ₂ " & 3 ¹ / ₂ "	100
H23TC	1	Canada	4" sq. & 4 ¹¹ / ₁₆ "	2 ¹ / ₂ " & 3 ¹ / ₂ "	100
H4	1	U.S.	4" sq. & 4 ¹¹ / ₁₆ "	4"	50
H6	1	U.S.	4" sq. & 4 ¹¹ / ₁₆ "	6"	50
H46TC	1	Canada	4" sq. & 4 ¹¹ / ₁₆ "	4" & 6"	100
HS3	2	U.S. & Canada	Switch	2 ¹ / ₂ " & 3 ¹ / ₂ "	100

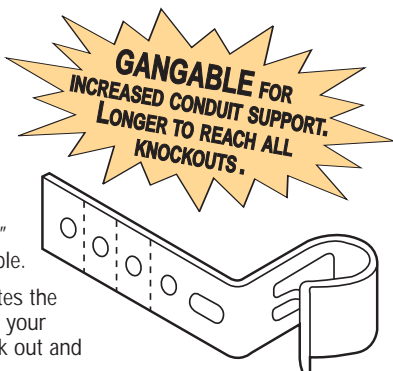


Stud Wall

Screw On Conduit Support

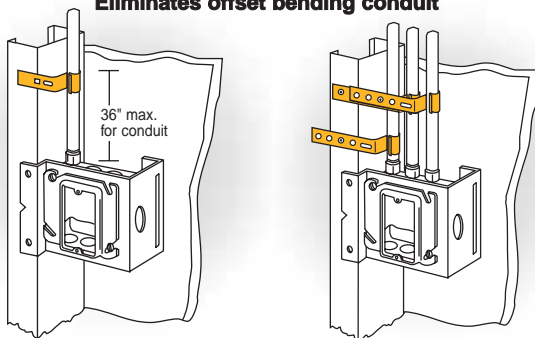
Features

- Accommodates 1/2", 3/4" and 1" EMT, Conduit and MC/AC Cable.
- Alignment tab positively locates the fastener on the stud, keeping your conduit in line with box knock out and CADDY® H-series brackets.
- For wood or metal stud.
- Delivers compliance with: NEC Article 358.30(A) which requires conduit support within 36" of an electrical box. CEC Rule 12-1404 which requires conduit support within 1 m (36") of an electrical box. CEC Rule 12-618 which requires support of armoured cable within 300 mm (12") of an electrical box.



Applications

Eliminates offset bending conduit



Sizing Chart

UL & cUL Listed Positioning Only

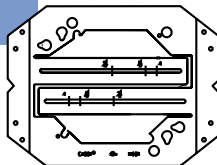
PART NUMBER	DESCRIPTION	QTY. PER BOX
CS812	Attaches 1/2" and 3/4" EMT, conduit, MC/AC to metal or wood stud For 1 1/2" deep box	100
CS812D	Attaches 1/2" and 3/4" EMT, conduit, MC/AC to metal or wood stud For 2 1/8" deep box	100
CS16	Attaches 1" EMT, conduit, MC/AC to metal or wood stud For 2 1/8" deep box	100

Stud Wall

"Mounts Electrical Boxes" Hanger

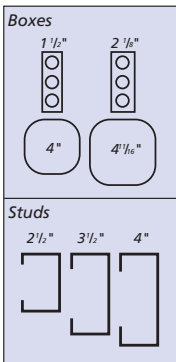
Features

- One bracket works for:
 - Two box depths (1 1/2" or 2 1/8" deep)
 - Two box sizes (4" or 4 1/16" sq.)
 - Three wall stud depths (2 1/2", 3 1/2" & 4" studs)
- All-in-one design simplifies handling, reduces inventory and saves space.
- Requires only a screw gun to install.
- V-notched on center allows for consistent positioning.
- Built-in support legs reduce box movement when used with EMT and is ideal for flexible conduit, ENT, MC, AC or Romex® non-metallic sheathed cable.
- Offset design of MEB1 and use of CADDY® #SMS8 low profile self-tapping screws (not included) reduce drywall bulge.
- Can be pre-assembled in the shop to allow for greater efficiency at the job site.
- Plaster rings can be mounted separately eliminating the need for an electrical box for low-voltage applications.
- MP Series brackets can be attached in-line to the MEB1 for low voltage applications.
- Mounts on either side of stud without need to reposition box

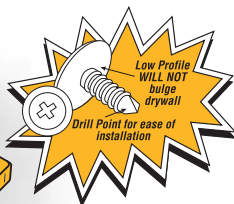
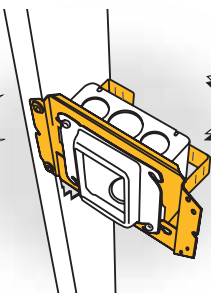


One-Piece Design

One Size Fits All



Applications



Sizing Chart

UL & cUL Listed
Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
MEB1	"Mounts Electrical Boxes" Hanger	25



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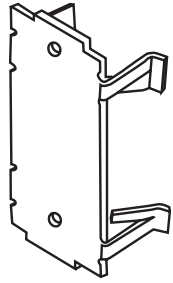
Stud Wall

Press-On Nail Plate

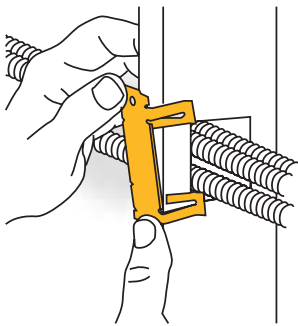
For Wood and Metal Studs

Features

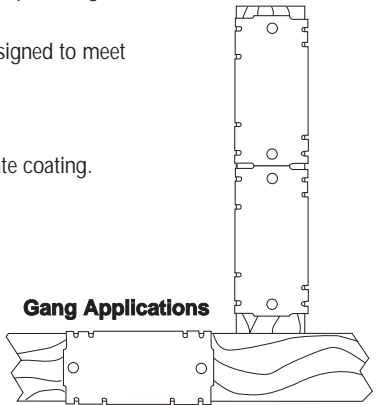
- Fast press-on installation; no tools required.
- Protects electrical, datacomm and plumbing.
- Works on wood or metal studs.
- Meets NEC 300.4(b)(2). Also Designed to meet CEC 12-516 and 12-616.
- Breakable tabs permit multiple plates to be ganged together.
- Corrosion resistant zinc phosphate coating.



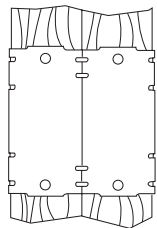
Applications



Gang Applications



Side View



Face View

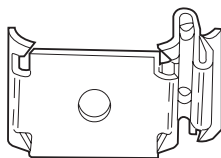
Sizing Chart

UL & cUL Listed
Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
304B2	Press-on nail plate	100

Stud Wall

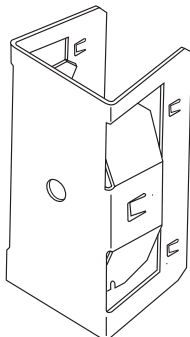
Snap On Box Supports for Metal/Wood Studs



MSF

Features

- Spring steel for press-on attachment.
- Center hole assists in consistent alignment, exact positioning and screw attachment.
- Delivers compliance with:
NEC Romex® Article 300.4(d) when used for 4" and 4^{11/16}" outlet boxes to metal or wood studs.
- CEC Rule 12-3012 for 4" and 4^{11/16}" outlet boxes to metal or wood studs.
- MSF requires hammer to attach clip to box.
DBM2 attaches without hammer.



DBM2

Far Side Box Support Required

Applications

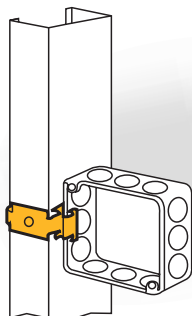


Fig. 1

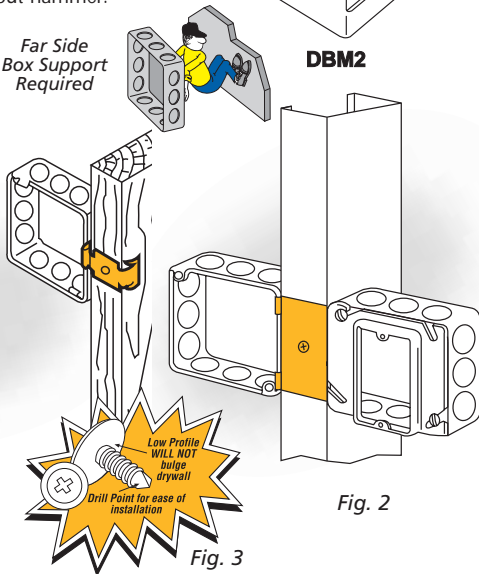


Fig. 2

Fig. 3

Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
MSF	1	Box support to outside of stud	100
DBM2	2	Double box mount support*	50
SMS8	3	Low profile, self-tapping screws	1000

*Since metal stud widths vary, a CADDY® SMS8 screw is recommended



Romex is a registered trademark of General Cable Corp.

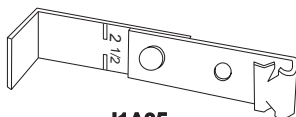
Ph: 1-800-25- **CADDY**
www.ericoc.com

Stud Wall

Adjustable Far Side Box Support

Features

- Provides far side electrical box support in various stud wall depths.
- Installs in seconds with simple tools: pliers for 766A, hammer for J1A35.
- Delivers compliance with: NEC Article 300.4(d) when used for 4" and 4^{11/16}" outlet boxes to metal or wood studs. CEC Rule 12-3012 for 4" and 4^{11/16}" outlet boxes to metal or wood studs.



J1A35
Fig. 1

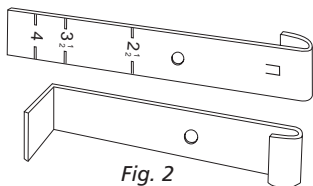
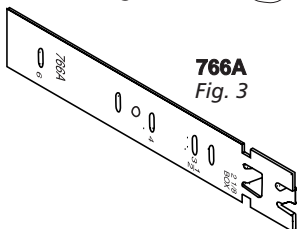


Fig. 2



766A
Fig. 3

Applications

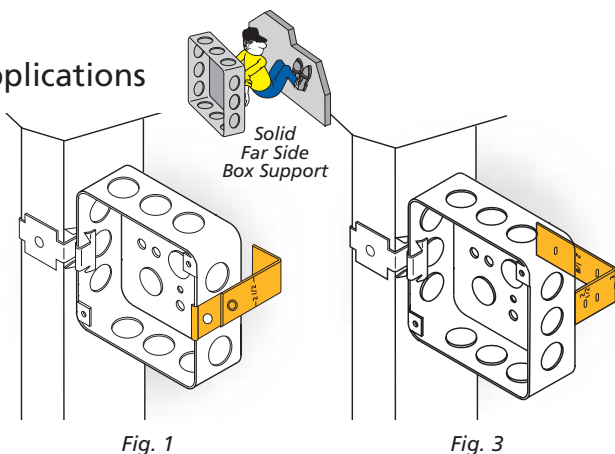


Fig. 1

Fig. 3

Sizing Chart

No Load Rating – Positioning Only

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
J1A35	1	Hammer on for 2 1/2" and 3 1/2" studs	100
766	2	Lock on for 2 1/2", 3 1/2" and 4" studs	100
766A	3	Snap on for 2 1/2", 3 1/2", 4" & 6" studs	100

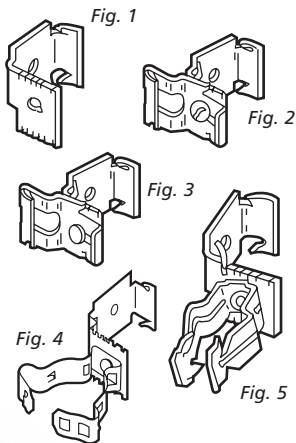
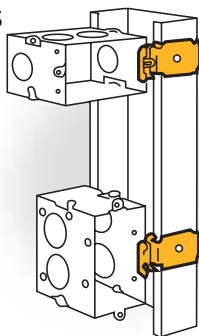
Stud Wall

Switch Box Or Conduit To Metal Stud

Features

- Fits most switch boxes – Figs. 1-3 only.
- Fits most dry wall studding.
- Allows the switch box to protrude through any size dry wall – $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{5}{8}$ " or $\frac{3}{4}$ ".

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
MFI	1	$\frac{1}{4}$ -20 Thread impression to metal stud	100
MFS	2	With screw (adjustable $\frac{1}{4}$ " thru $\frac{3}{4}$ ")	100
MFO	3	Riveted flush to stud face	100
MF250	3	Riveted for $\frac{1}{4}$ " dry wall	100
MF375	3	Riveted for $\frac{3}{8}$ " dry wall	100
MF500	3	Riveted for $\frac{1}{2}$ " dry wall	100
MF625	3	Riveted for $\frac{5}{8}$ " dry wall	100
MF750	3	Riveted for $\frac{3}{4}$ " dry wall	100
6MF	4	$\frac{3}{8}$ " Conduit or BX to metal stud	100
812MF	4	$\frac{1}{2}$ " to $\frac{3}{4}$ " Conduit to metal stud	100
16MF	4	1" Conduit to metal stud	100
8PF	5	$\frac{1}{2}$ " Conduit to metal stud	100
12PF	5	$\frac{3}{4}$ " Conduit to metal stud	100
16PF	5	1" Conduit to metal stud	100



Stud Wall

Screw On Box Support

Features

- Permits positioning of metal electrical box anywhere on metal or wood stud, regardless of stud size.
- The 350 is securely held in place with screws.

Fig. 1

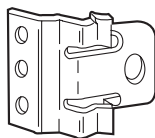


Fig. 2

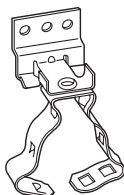
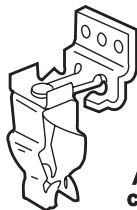
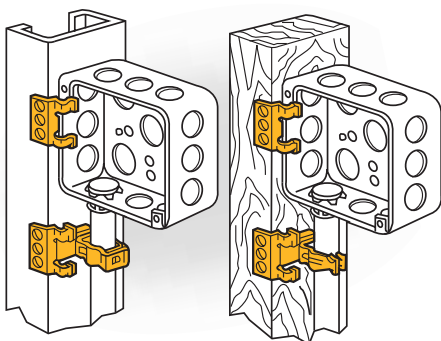


Fig. 3

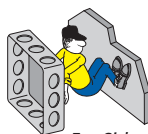
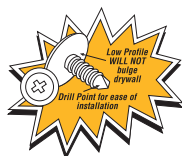


Applications



Eliminates offset bending conduit

Assembles for conduit support



Far Side Box Support Required

(see 766A page 131)

Sizing Chart

No Load Rating - Positioning Only

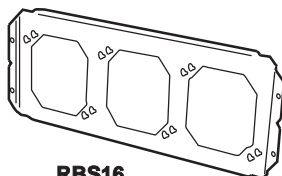
PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
350	1	4" electrical box to metal stud	100
350812M	2	1/2" or 3/4" conduit to metal stud	100
35016M	2	1" conduit to metal stud	100
3508P	3	1/2" conduit to metal stud	100
35012P	3	3/4" conduit to metal stud	100
35016P	3	1" conduit to metal stud	100

Stud Wall

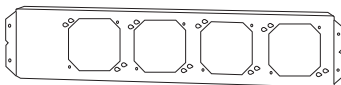
Box Mounting Brackets For Between Studs

Features

- Supports electrical boxes, plaster rings or low voltage devices from one bracket.
- Accommodates up to four 4" or 4¹¹/₁₆" boxes.
- Mounts 1¹/₂" or 2¹/₈" deep boxes.
- Eliminates the need for an electrical box on low voltage applications.

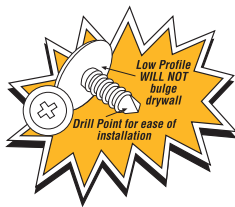
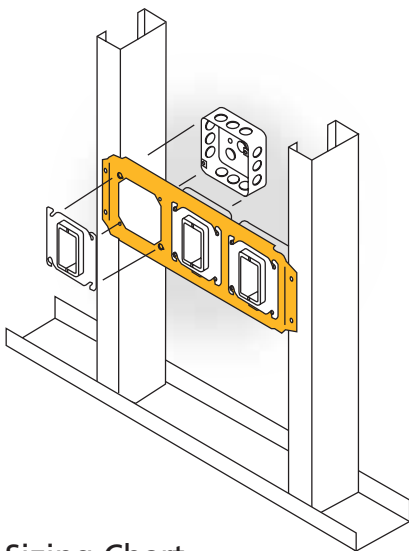


RBS16



RBS24

Applications



SMS8

Minimum of one mounting screw required on each side of the bracket.

Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
RBS16	Mounts up to three 4" or 4 ¹¹ / ₁₆ " boxes/plaster rings 16" bracket	25
RBS24	Mounts up to four 4" or 4 ¹¹ / ₁₆ " boxes/plaster rings 24" bracket	25



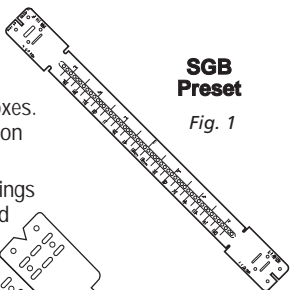
Stud Wall

Screw Gun Box Bracket For Between Studs

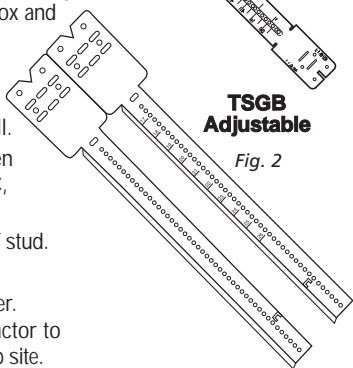
PATENT NUMBERS
4,757,967 & 5,386,959

Features

- Can mount multiple 1 1/2" or 2 1/8" deep boxes. Notched and marked for easy identification and bending.
- Improved design with stamped inch markings and pilot holes accelerates precise box and conduit mounting between studs.
- Pilot holes allow easy box attachment with a screwdriver.
- Requires only a screw gun to install.
- Reduces movement of the box when used with flexible conduit, ENT, MC, AC or ROMEX.*
- Can be mounted on face or inside of stud.



**SGB
Preset**
Fig. 1



**TSGB
Adjustable**
Fig. 2

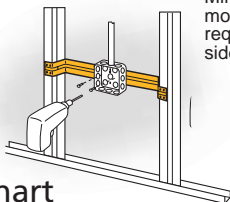
SGB (Preset)

- Preset for studs 16" or 24" on center.
- Can be preassembled by the contractor to allow for greater production at the job site.

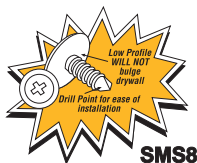
TSGB (Adjustable)

- Adjustable for non-standard stud spacing.
- Unique, one-piece, break apart design.
- Interlocking tab prevents accidental disassembly.

Applications



Minimum of one mounting screw required on each side of the bracket.



No more time-consuming field fabrication with scrap floor track.



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	STUD SPACING	BOX DEPTH
SGB16A [†]	1	Preset	16" OC	1 1/2" or 2 1/8"
SGB24A ^{††}	1	Preset	24" OC	1 1/2" or 2 1/8"
TSGB16*	2	Adjustable	11" to 18"	1 1/2" or 2 1/8"
TSGB24*	2	Adjustable	17" to 26"	1 1/2" or 2 1/8"

Quantity 50 per box.

[†] Replaces SGB16 & SGB16D

^{††} Replaces SGB24 & SGB24D

* Preassembled brackets available - contact ERICO[®]

ROMEX is a registered trademark of General Cable Corp.

Stud Wall

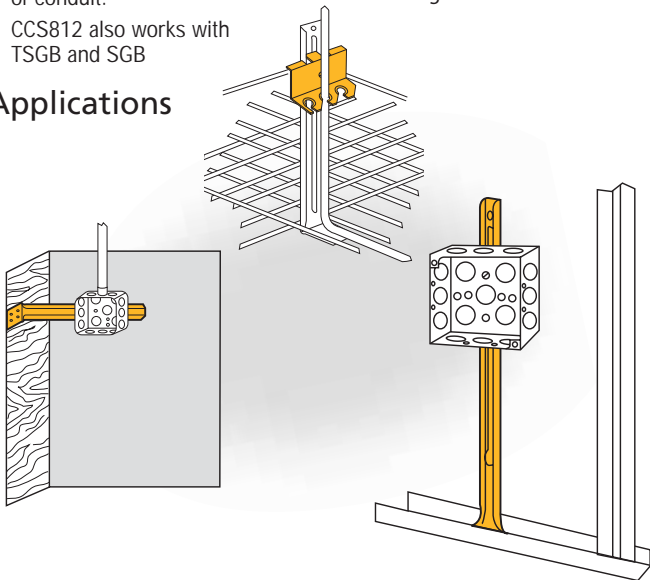
Floor Mounted Box/Conduit Supports

For Concrete Forms

Features

- Supports electrical boxes from floor or concrete forms.
- Available in 12", 16" and 18" heights.
- Slot provides for 8" height adjustment.
- Use FBS with CCS812 to support conduits in concrete pours.
- CCS812 eliminates offset bending of conduit.
- CCS812 also works with TSGB and SGB

Applications



FBS

CCS812

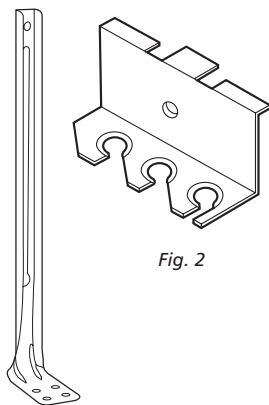


Fig. 1

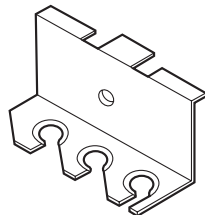


Fig. 2

Sizing Chart

UL and cUL Listed - Positioning Only

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
FBS12	1	12" High box support	50
FBS16	1	16" High box support	50
FBS18	1	18" High box support	50
CCS812	2	1/2" or 3/4" EMT - 1/2" RIGD	100

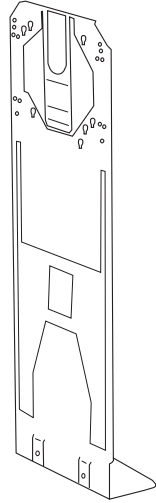


Stud Wall

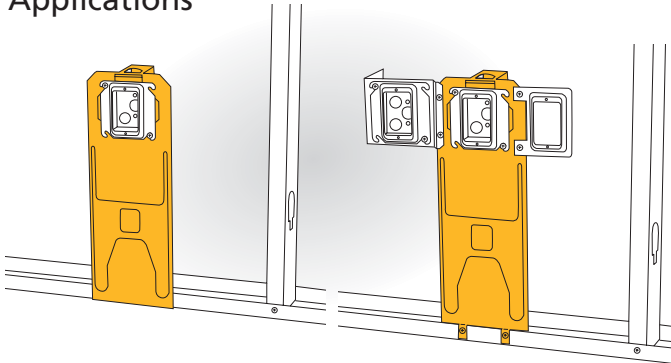
FMBS18 Floor Mount Box Support

Features

- Positions center of electrical box 18½" above unfinished floor
- Meets ADA (Americans with Disabilities Act) accessibility Guidelines Standards (15" height minimum for "forward reach" from a wheelchair)
- Quick, easy and efficient compliance to construction requirements
- Mounts 4" or 4 1/16" U.S. or Canadian boxes; 1½" or 2½" deep
- Mounts plaster rings for low voltage applications
- Mounts inside (use mounting tabs) or under floor track
- Versatile positioning - independent of wall stud location
- Built-in far-side back support for 2½", 3½", and 4" metal or wood studs
- Reduces stocking different size brackets
- Accommodates additional brackets for multiple box and device mounting



Applications



Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
FMBS18	Floor Mount Box Support	25

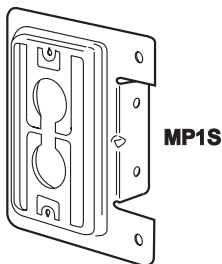
Stud Wall

Low Voltage Mounting Bracket For New Construction

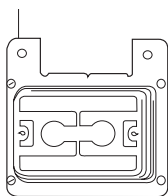
Features

- Provides a bracket for mounting low voltage Class 2 communication outlets.
- Side support provides for a rigid installation.
- May be installed to the front or the side of the metal or wood stud.
- Reduces bulges in the dry wall caused by plaster rings.
- Attaches with self-tapping screws or nails.
- Works with 1/2" and 5/8" dry wall.

PATENT NUMBER
5,448,011

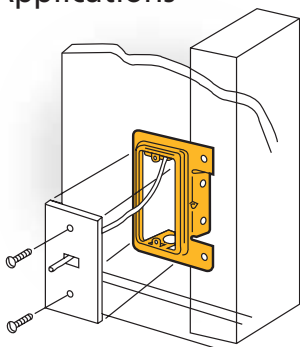


Bendable tabs provide cable tie off or 3/4" conduit stubbing.

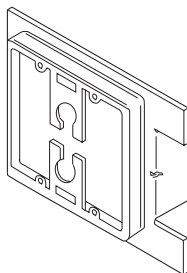


Factory punched holes allow for horizontal installation.

Applications



MP2S



For low voltage Class 2 use only

Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
MP1S	Plate mounting bracket for new work	25
MP2S	Double gang plate mounting bracket for new work	25



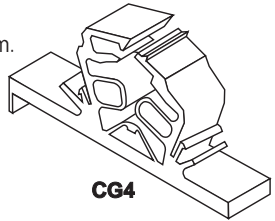
Stud Wall

Cable Gripper

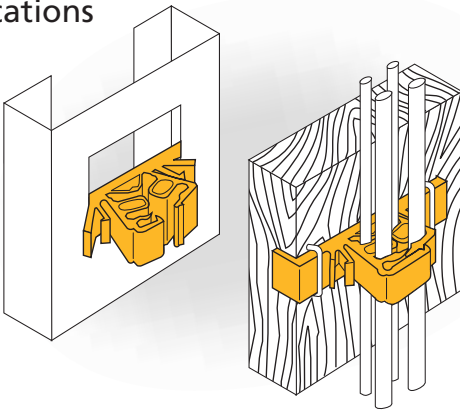
Features

- Installs easily to metal and wood studs.
- Provides secure installation of multiple cables with unique locking/unlocking system.
- Staples, nails or screws to wood stud.
- Attaches to existing holes in metal studs without tools.
- Supports four NMC or eight 4-pair UTP, Category 5 and higher (electrical and datacomm cannot be combined).
- Delivers compliance with:
NEC 300.4(d), CEC 12-510 and 12-516.

PATENT NUMBER
5,626,316



Applications



Sizing Chart

UL & cUL Listed
Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BAG
CG4	Cable Gripper cable support	100

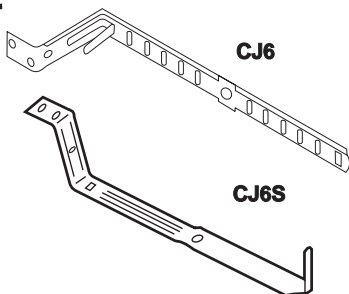
Stud Wall

PATENT NUMBER
5,141,185

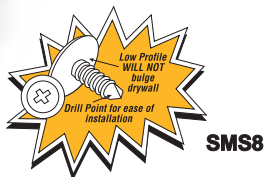
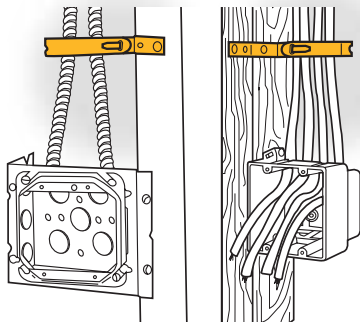
“Colorado Jim” Cable Support NEC® Compliance For Stud

Features

- New easy-to-use locking tab.
- Cable locating ribs to maintain cable separation.
- Flared edges for cable protection.



Applications



Sizing Chart

UL & cUL Listed
Positioning Only

PART NUMBER	CABLE TYPE	CABLE SIZE	CABLES PER FASTENER
CJ6 to Wood	Non-Metallic Sheathed Cable	14-2, 12-2, 10-2, 14-3, 12-3 and 10-3 w/ground	6 maximum
		8-2 and 6-2 w/ground	4 maximum
CJ6 to Metal Stud	Metal Clad (MC) Cable	14-2, 12-2, 10-2, 14-3, 12-3, 10-3, 14-4, 12-4 and 10-4 w/ground	4 maximum
CJ6S to Furring Strip and Hat Channel	Armored Cable (AC) Flexible Conduit (BX)	14-4, 12-2, 10-2, 8-2, 14-3, 12-3, 10-3, 14-4, 12-4 and 10-4 w/ground	4 maximum
		⁵ / ₁₆ , ³ / ₈	4 maximum
CANADA ONLY			
CJ6IN to Metal Stud	Non-Metallic Sheathed Cable	14-2, 12-2, 10-2, 14-3, 12-3 and 10-3 w/ground	4 maximum

Quantity 100 per box/case.



® National Electric Code (NEC) is a registered trademark of the National Fire Protection Association

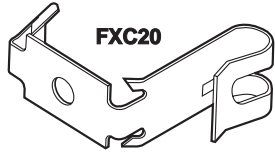
Ph: 1-800-25- **CADDY**
www.ericocable.com

Stud Wall

ROMEX® NMC And MC/AC Cable Support For Studs

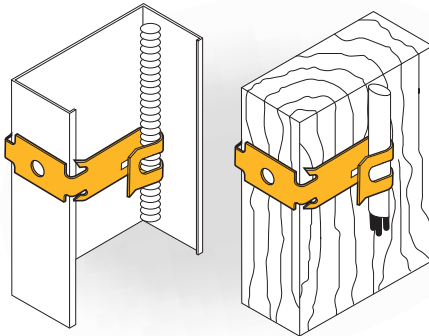
Features

- Provides secure support of NMC or MC/AC to metal/wood stud in seconds. One fastener, four applications.
- No tools required.
- Delivers compliance with:
NEC 300.4(d), CEC 12-618 and CEC 12-510.



NOTE: When supporting NMC in Canada, FXC20 can only be used on wood stud.

Applications



Sizing Chart

UL & cUL Listed
Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
FXC20	NMC sizes 14-2 with ground thru 12-3 with ground MC/AC cable sizes 14-2 thru 12-3 to studs	100

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Stud Wall

Metal Stud Punch And Easy Snap Grommet

Grommet Features

- Snap one grommet into standard 1¹¹/₃₂" field punched hole, OR snap two together into any shape factory punched hole.
- Provides 360° protection for cable and makes cable pulls easier.
- Delivers compliance with:
NEC Article 300.4(b)(1) and CEC Rule 12-516.

Fig. 1
ESG1



Fig. 2
ESGP



Super for ceiling track & tight corners.

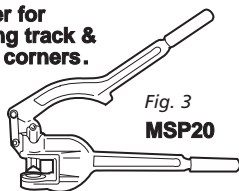
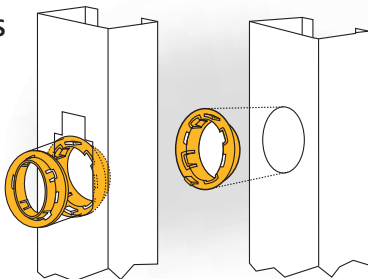


Fig. 3
MSP20

Punch Features

- Cushioned handles mean less operator fatigue and more comfortable handling.
- Tool design with offset handles allows punch to work in confined locations and near perpendicular walls.
- Lightweight punch makes accurate location of holes easier.
- Hardened steel components keep tool sharper longer – less replacement.
- Punches up to 20 gauge sheet metal.
- Plastic grommets snap easily into 1¹¹/₃₂" hole.

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
ESG1	1	Easy snap grommet	100
ESG1M	1	Easy snap grommet	1000
ESGP	2	Anti-rattle grommet	100
ESGPM	2	Anti-rattle grommet	1000
MSP20	3	Metal stud punch	1



Stud Wall

Through Stud Cable/Conduit Support Eliminates Conduit Rattle

Features

- Provides a quick means of support for horizontal runs of Rigid, EMT, MC/AC or ENT through metal stud
- Eliminates conduit rattling

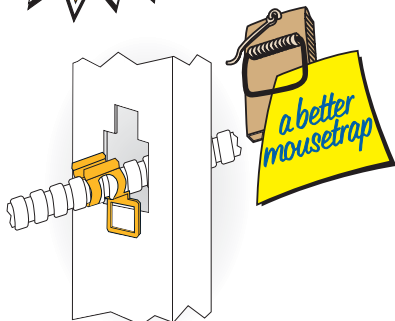
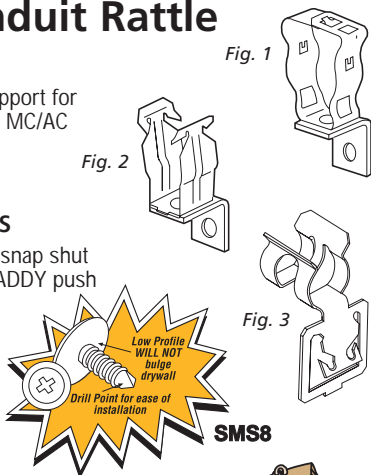
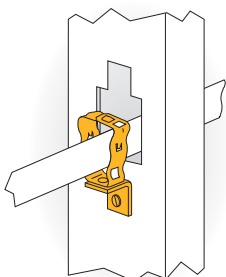
"Florida Bob" Series

- Available with CADDY® 812M snap shut conduit support, as well as CADDY push in conduit support
- Installs with screw gun

459/AR812

- One-piece spring steel design snaps onto stud

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
FB6M	1	MC/AC	100
FB812M	1	1/2" or 3/4" Conduit	100
FB8P	2	1/2" Conduit	100
FB12P	2	3/4" Conduit	100
459	3	MC/AC (14-2, 14-3, 12-2, or 12-3)	100
AR812	3	1/2" and 3/4" EMT Conduit 1/2" Rigid, IMC, PVC Sch 40 5/8" and 3/4" Copper Tube MC/AC .700 - .925 O.D.	100

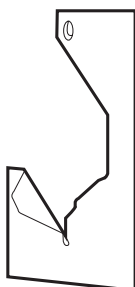
Stud Wall

Anti-Rattle Support

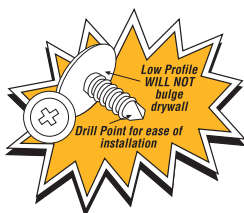
For Conduit and Armored Cable

Features

- Permits ENT, MC and AC to be pulled thru metal stud.
- Supports ENT, MC/AC, EMT or rigid conduit up to 1".
- Requires a self tapping screw to install.

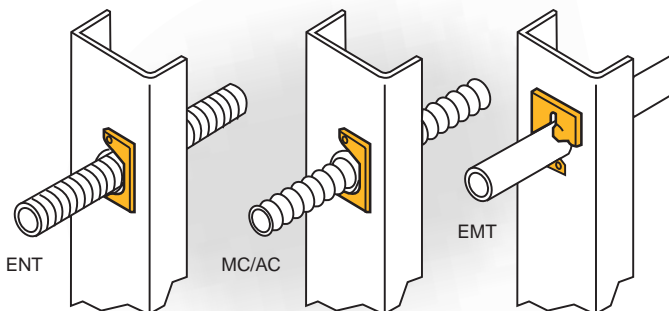


781



SMS8

Applications



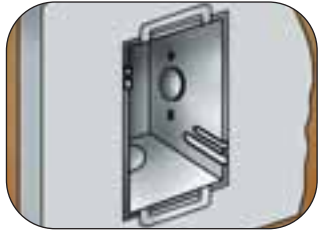
Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
781	Supports conduit up to 1"	100



Drywall



Pages 145-150



Drywall

Old Work Box Mount

Features

Both

- One-piece, break-apart design is easier to handle.
- Works on drywall, lathe and plaster; only a drywall saw required.

DSB

- Fastener installs before the box to free up your hands.
- Accommodates single or multiple gang boxes; for multiple gang boxes, use (2) DSB's.
- Can be placed at different locations on an electrical box to allow for more clearance.

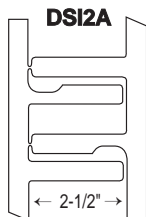


Fig. 1

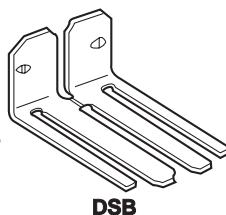


Fig. 2

DSB

Applications

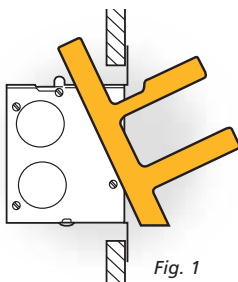


Fig. 1

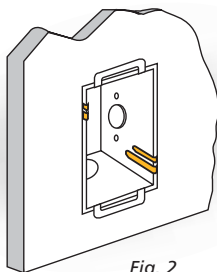


Fig. 2

Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	DESCRIPTION	WALL THICKNESS	QTY. PER BOX
DS12A	1	Old work box mount	Up to 1½"	100 sets
DSB	2	Old work box mount	¼" to 1¼"	100 sets

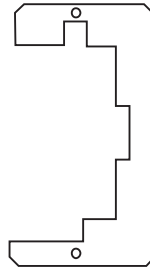


Drywall

Device Leveler And Retainer

Features

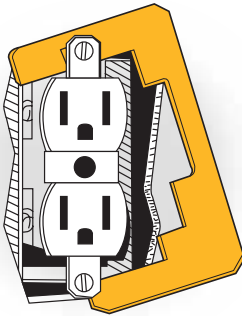
- Use for oversize dry wall openings.
- Prevents broken cover plates.
- Prevents device from being pushed back in wall.
- Makes floating device rigid.



RLC

**Great for oversize holes,
tile and panel walls!**

Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
RLC	Device leveler and retainer	100

Drywall

Mounting Plate Brackets (Non-Metallic)

Features

- No sharp metal edges with plastic design.
- Fast, easy way to install.
- No installation tools required to secure bracket in the drywall opening.
- Serrated interlocking system secures tightly.
- Template points on brackets eliminate multiple measurement markings during installation.
- Recessed design assures flush mount of device.
- Only CADDY® provides the industry with the widest application range 1/4" to 1 1/4".
- Available in single gang, double gang and a unique 3-4 gang sizes.
- Eliminates the need for electrical boxes on low voltage class 2 applications.

NOTE: For low voltage Class 2 use only.

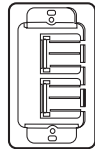


Fig. 1

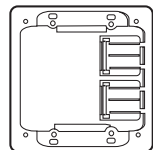


Fig. 2

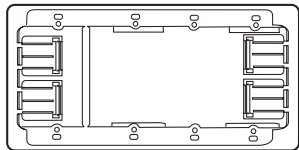
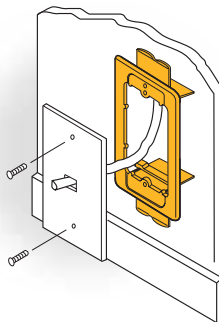


Fig. 3

Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	FIG NO.	DESCRIPTION	QTY. PER BOX
MP1P	1	Single gang mounting plate	100
MPAL2	2	Double gang mounting plate	100
MP34P	3	3 or 4 gang mounting plate	2



Drywall

Mounting Plate Brackets (Metallic)

Screw-On Support

Features

- Provides positive support with locking screws (included).
- Mounts any standard low voltage device in 1/2" through 1 1/4" walls.
- Makes wire "fishing" easier.
- Install with a drywall saw and screwdriver.
- Eliminates the need for an electrical box when installing low voltage Class 2 wiring.

NOTE: For low voltage Class 2 use only.

for a better mousetrap see page 148

PATENT NUMBERS
US: 4,955,825
Re: 33,305
Can: 1,265,230

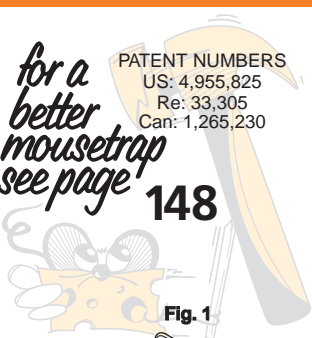
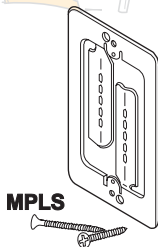
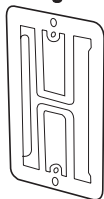


Fig. 1

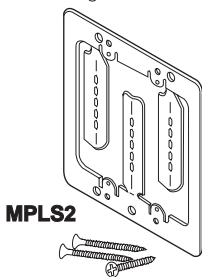


MPLS

Fig. 2

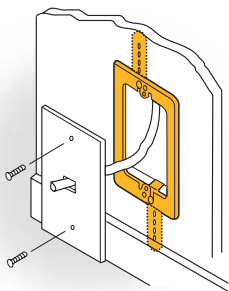


MP1



MPLS2

Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
MPLS	Single gang screws to drywall (screws included)	100
MPLS2	Double gang screws to drywall (screws included)	100
MP1	Single gang (no screws included)	100

Drywall

Versatile Thread Impression

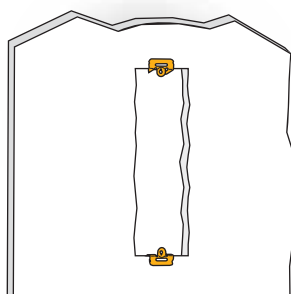
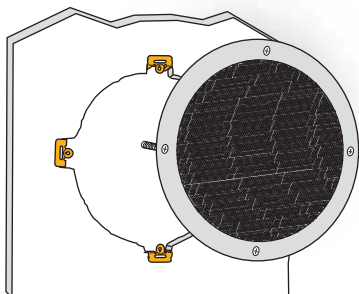
For a Wide Variety of Low Voltage Devices



Features

- Support point for speakers, audio/video/security panels, EXIT signs, etc.
- Works in 1/2" and 5/8" drywall.
- Use either #6-32 screw or #6 sheet metal screw.
- Spring steel with corrosion protection finish.

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
MPVTI	Versatile thread impression	20






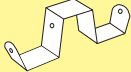


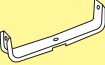
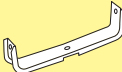
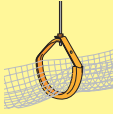

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Pages 151-174

Datacomm ITS

CADDY® CABLECAT Capacity Guide

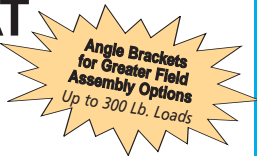
Area (sq. in.)	Capacity (4-pair)		Part Number
	Cat. 5e	Cat. 6	
0.60	16	10	 CAT12
2.16	50	32	 CAT21
3.17	80	50	 CAT32
2 x 1.58	80	50	 CAT100CM
15.28	300	185	 CAT64
20.43	425	265	 CAT425
21.00	500	315	 CAT200CMLN
32.00	750	470	 CAT300CMLN
32.00	750	470	 CATTRAX25
3.14	75	47	 CAT600



Datacomm ITS

PATENT # 5,740,994

CADDY® CABLECAT Wide Base Cable Support



Features

- Provides proper support of Category 5, Category 6, fiber optic and innerduct.
- Many sizes and designs available to attach to a variety of structures.
- Cost effective alternative to expensive cable tray.
- Galvanized finish on J-hooks provide smoother cable pull and greater corrosion resistance.
- Complies with UL®, cUL®, NEC® and EIA/TIASM requirements for structured cabling systems.

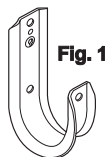


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Works On New Taller T-Grid!



Fig. 6

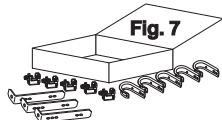
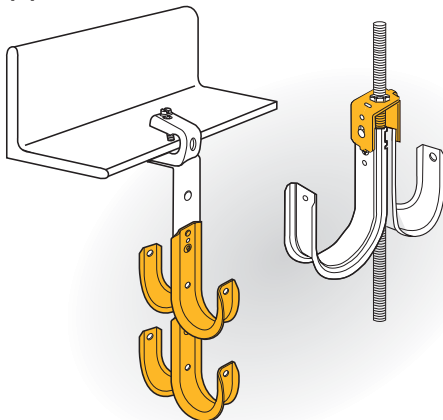


Fig. 7

Applications



Datacomm ITS

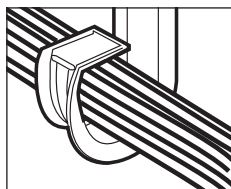
CADDY® CABLECAT Wide Base Cable Support

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
CAT12*	1	Up to 16 4-pair UTP CAT 5e or 2-strand fiber optic cable, or 10 CAT 6 - 3/4" dia. loop	50
CAT21†	1	Up to 50 4-pair UTP CAT 5e or 2-strand fiber optic cable or innerduct, or 32 CAT 6 - 1 5/16" dia. loop	80
CAT32†	1	Up to 80 4-pair UTP CAT 5e or 2-strand fiber optic cable or innerduct, or 50 CAT 6 - 2" dia. loop	60
CAT64	1	Up to 300 4-pair UTP CAT 5e or 2-strand fiber optic cable, or 185 CAT 6 - 4" dia. loop	25
CATHBA	2	Extended J-Hook angle bracket - 1/4" mounting hole	40
CATHBA3	2	Extended J-Hook angle bracket - 3/16" mounting hole	40
CATHBA6	2	Extended J-Hook angle bracket - 3/8" mounting hole	40
CATHBA8	2	Extended J-Hook angle bracket - 1/2" mounting hole	40
S3575BP100	3	1/4 - 20 x 3/8" round head screw	100
S3575DP100	3	1/4 - 20 x 3/4" round head screw	100
AFAB3	4	3/16" mounting hole (includes 1/4 - 20 x 3/8" round head screw)	50
AFAB4	4	1/4" mounting hole (includes 1/4 - 20 x 3/8" round head screw)	50
AFAB6	4	3/8" mounting hole (includes 1/4 - 20 x 3/8" round head screw)	50
CATMTP	5	Mille-Tie™ for air handling spaces (plenum)	100
CATTS*	6	Support from tee grid	100

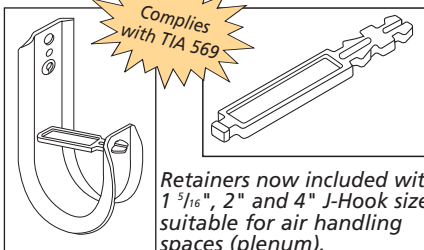
Kits For Beam Applications (Field Assemblies)

CAT KITA	7	CAT32 – 20 pieces / CATHBA Hanger – 5 pieces BC200 Beam Clamps – 5 pieces	1 Kit
CAT KITB	7	CAT21 – 10 pieces / CAT32 – 10 pieces CATHBA Hanger – 5 pieces BC200 Beam Clamps – 5 pieces (screws included)	1 Kit
CAT KITC	7	CAT21 – 20 pieces / CATHBA Hanger – 5 pieces BC200 Beam Clamps – 5 pieces (screws included)	1 Kit

† Available in stainless steel



*CAT12 J-Hooks and CAT12 assemblies include bend back tab.



Datacomm ITS

CADDY® CABLECAT Wide Base Cable Support Clips

Sizing Chart $\frac{3}{4}$ " DIAMETER LOOP

cULus Listed
Cable Support

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
*Pre-Riveted Factory Assemblies for $\frac{3}{4}$" Diameter Loop			
CAT12BC	8	Screw-on $\frac{1}{8}$ " thru $\frac{1}{2}$ " flange	40
CAT12BC200	9	Screw-on $\frac{1}{8}$ " thru $\frac{5}{8}$ " flange	40
CAT12ESC	10	Easy Strut Clip	60
CAT1224SM	11	Hammer-on $\frac{1}{8}$ " thru $\frac{1}{4}$ " flange	40
CAT1258SM	11	Hammer-on $\frac{5}{16}$ " thru $\frac{1}{2}$ " flange	40
CAT12912SM	11	Hammer-on $\frac{1}{2}$ " thru $\frac{3}{4}$ " flange	40
CAT1224	12	Hammer-on $\frac{1}{8}$ " thru $\frac{1}{4}$ " flange – bottom mount rotates 360°	40
CAT1258	12	Hammer-on $\frac{5}{16}$ " thru $\frac{1}{2}$ " flange – bottom mount rotates 360°	40
CAT12912	12	Hammer-on $\frac{1}{2}$ " thru $\frac{3}{4}$ " flange – bottom mount rotates 360°	20
CAT12VF14	13	$\frac{1}{16}$ " thru $\frac{1}{4}$ " vertical flange	40
CAT12AF14	14	$\frac{1}{16}$ " thru $\frac{1}{4}$ " Z purlin	40
CAT124Z34	15	#12 thru $\frac{1}{4}$ " wire, plain or threaded rod and $\frac{1}{8}$ " thru $\frac{3}{8}$ " flange	60
CAT126Z34	15	$\frac{3}{8}$ " plain or threaded rod and $\frac{3}{8}$ " thru $\frac{9}{16}$ " flange	60
CAT12AB	16	Angle bracket - $\frac{1}{4}$ " mounting hole	40
CAT12AFAB3	17	Cable support hanger with angle bracket. Holds up to 16 cables of 4 twisted pair or fiber optic	50
CAT12BCB	18	Screw-on $\frac{1}{8}$ " thru $\frac{1}{2}$ " flange – rotates 360°	40
CAT12BC200B	19	Screw-on $\frac{1}{8}$ " thru $\frac{5}{8}$ " flange – rotates 360°	40
CAT12TS	20	Acoustical tee bar	60
CAT12CD1B	21	Under floor support to pedestal	40

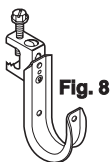


Fig. 8



Fig. 9

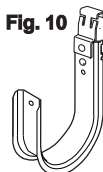


Fig. 10

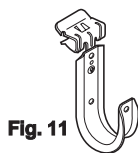


Fig. 11

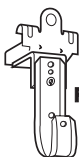


Fig. 12



Fig. 13



Fig. 14

Datacomm ITS

CADDY® CABLECAT Wide Base Cable Support Clips

Sizing Chart

1⁵/₁₆" DIAMETER LOOP

cULus Listed
Cable Support

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
CAT21BC	8	Screw-on 1/8" thru 1/2" flange	40
CAT21BC200	9	Screw-on 1/8" thru 5/8" flange	40
CAT21ESC	10	Easy Strut Clip	60
CAT2124SM	11	Hammer-on 1/8" thru 1/4" flange	40
CAT2158SM	11	Hammer-on 5/16" thru 1/2" flange	40
CAT21912SM	11	Hammer-on 1/2" thru 3/4" flange	40
CAT2124	12	Hammer-on 1/8" thru 1/4" flange – rotates 360°	40
CAT2158	12	Hammer-on 5/16" thru 1/2" flange – rotates 360°	40
CAT21912	12	Hammer-on 1/2" thru 3/4" flange – rotates 360°	20
CAT21VF14	13	1/16" thru 1/4" vertical flange	40
CAT21AF14	14	1/16" thru 1/4" Z purlin	40
CAT214Z34	15	#12 thru 1/4" wire, plain or threaded rod and 1/8" thru 3/8" flange	60
CAT216Z34	15	3/8" plain or threaded rod and 3/8" thru 9/16" flange	60
CAT21AB	16	Angle Bracket Assembly - 1/4" mounting hole	40
CAT21AFAB3	17	Angle Bracket Assembly - 3/16" mounting hole	40
CAT21AFAB4	17	Angle Bracket Assembly - 1/4" mounting hole	40
CAT21AFAB6	17	Angle Bracket Assembly - 3/8" mounting hole	40
CAT21BCB	18	Screw-on 1/8" thru 1/2" flange – rotates 360°	40
CAT21BC200B	19	Screw-on 1/8" thru 5/8" flange – rotates 360°	40
CAT21CD1B	21	Under floor support to pedestal	40



Fig. 15

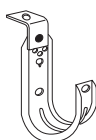


Fig. 16

Fig. 17

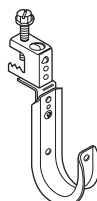
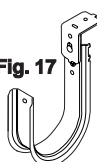


Fig. 18

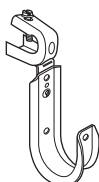


Fig. 19

Works On
New Taller
T-Grid!



Fig. 20



Fig. 21



Datacomm ITS

CADDY® CABLECAT Wide Base Cable Support Clips

Sizing Chart

2" DIAMETER LOOP

cULus Listed
Cable Support

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
Pre-Riveted Factory Assemblies For 2" Diameter Loop			
CAT32BC	8	Screw-on 1/8" thru 1/2" flange	40
CAT32BC200	9	Screw-on 1/8" thru 5/8" flange	20
CAT32ESC	10	Easy Strut Clip	40
CAT3224SM	11	Hammer-on 1/8" thru 1/4" flange	40
CAT3258SM	11	Hammer-on 5/16" thru 1/2" flange	40
CAT32912SM	11	Hammer-on 1/2" thru 3/4" flange	40
CAT3224	12	Hammer-on 1/8" thru 1/4" flange – rotates 360°	20
CAT3258	12	Hammer-on 5/16" thru 1/2" flange – rotates 360°	20
CAT32912	12	Hammer-on 1/2" thru 3/4" flange – rotates 360°	20
CAT32VF14	13	1/16" thru 1/4" vertical flange	40
CAT32AF14	14	1/16" thru 1/4" Z purlin	40
CAT324Z34	15	#12 thru 1/4" wire, plain or threaded rod and 1/8" thru 3/8" flange	40
CAT326Z34	15	3/8" plain or threaded rod and 3/8" thru 9/16" flange	40
CAT32AB	16	Angle Bracket Assembly - 1/4" mounting hole	40
CAT32AFAB3	17	Angle Bracket Assembly - 3/16" mounting hole	40
CAT32AFAB4	17	Angle Bracket Assembly - 1/4" mounting hole	40
CAT32AFAB6	17	Angle Bracket Assembly - 3/8" mounting hole	40
CAT32BCB	18	Screw-on 1/8" thru 1/2" flange rotates 360°	20
CAT32BC200B	19	Screw-on 1/8" thru 5/8" flange rotates 360°	20
CAT32CD1B	21	Under floor support to pedestal	20



Fig. 8



Fig. 9

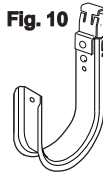


Fig. 10



Fig. 11

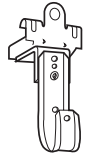


Fig. 12

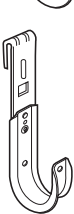


Fig. 13



Fig. 14



Fig. 15



Fig. 16

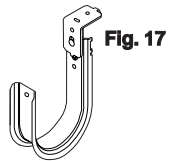


Fig. 17

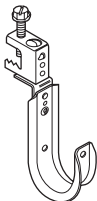


Fig. 18

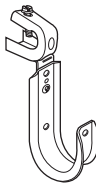


Fig. 19



Fig. 20

Works On
New Taller
T-Grid!



Fig. 21

Datacomm ITS

CADDY® CABLECAT Wide Base Cable Support Clips

Sizing Chart

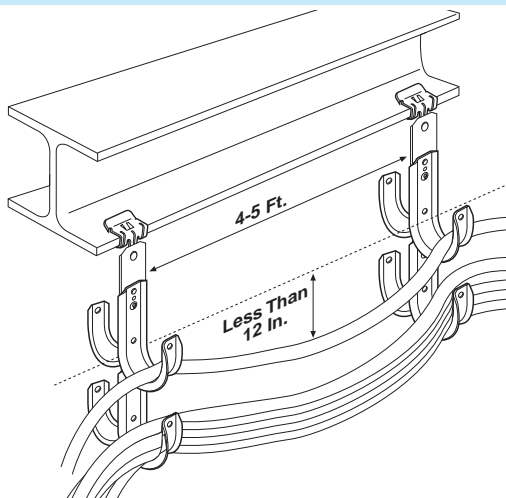
4" DIAMETER LOOP

cULus Listed
Cable Support

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
CAT64BC	8	Screw-on 1/8" thru 1/2" flange	25
CAT64BC200	9	Screw-on 1/8" thru 5/8" flange	25
CAT6424SM	11	Hammer-on 1/8" thru 1/4" flange	25
CAT6458SM	11	Hammer-on 5/16" thru 1/2" flange	25
CAT64912SM	11	Hammer-on 1/2" thru 3/4" flange	25
CAT6424	12	Mount rotates 360°	25
CAT6458	12	Mount rotates 360°	25
CAT64912	12	Mount rotates 360°	25
CAT64VF14	13	1/16" thru 1/4" vertical flange	25
CAT64AF14	14	1/16" thru 1/4" Z purlin	25
CAT64AFAB3	17	Angle Bracket Assembly - 3/16" mounting hole	25
CAT64AFAB4	17	Angle Bracket Assembly - 1/4" mounting hole	25
CAT64AFAB6	17	Angle Bracket Assembly - 3/8" mounting hole	25
CAT64BCB	18	Screw-on 1/8" thru 1/2" flange rotates 360°	25
CAT64BC200B	19	Screw-on 1/8" thru 5/8" flange rotates 360°	25
CAT64CD1B	21	J-hook to 3/4" & 1" round or square pedestal	25

Tip

For all CADDY® CABLECAT supports, make sure cable sag between fasteners is no more than 12" at midspan. (Actual cable sag will depend on the number of cables in each bundle and the weight of the cable.) To achieve this, locate the supports every 4-5 feet to stay within the 12" sag criterion.



Datacomm ITS

Pin Driven J-Hook Angle Brackets

Features

- New angle brackets lock on CADDY® CABLECAT J-Hooks so the assembly will not twist or swivel
- AFAB3 offers greater field assembly options - back-to-back, 90 degree corners, etc.
- CATHBA offers versatile configurations for 1 5/16", 2" and/or 4" J-Hook field assembly - *time/material saving cable tray alternative*

See page 155-158 for other angle bracket applications, components, assemblies and kits.

NOTE: Load limits apply to CADDY® fasteners only. Pin must be evaluated separately.

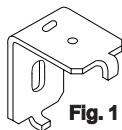


Fig. 1

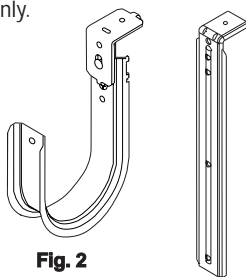
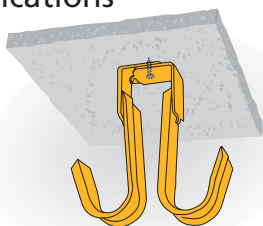


Fig. 2

Fig. 3

Applications



Sizing Chart

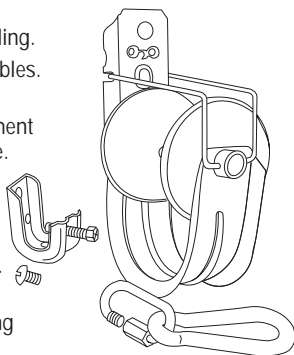
PART NUMBER	FIG. NO.	DESCRIPTION	WORKING LOAD (LBS.)	QTY. PER BOX
AFAB3	1	Angle bracket with 1/4" slotted hole and 3/16" mounting hole (includes 1/4"-20 x 3/8" round head screw)	160	50
CAT12AFAB3	2	Cable support hanger with angle bracket. Holds up to 16 cable of 4 twisted pair or fiber optic	50	40
CAT21AFAB3	2	1 5/16" J-Hook angle bracket pre-rieveted assembly	50	40
CAT32AFAB3	2	2" J-Hook angle bracket pre-rieveted assembly	50	40
CAT64AFAB3	2	4" J-Hook angle bracket pre-rieveted assembly	100	25
CATHBA3	3	Extended J-Hook angle bracket - 3/16" mounting hole	300	40

Datacomm ITS

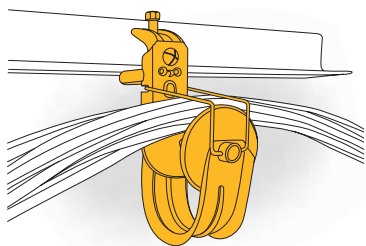
CADDY® CABLECAT Pulley

Features

- Frees up the "second man" on cable pulling.
- CAT32PLR accepts up to 20 four-pair cables. (CAT64PLR • 40 four-pair cables).
- Complies with the TIA standard requirement by minimizing the pull force on the cable.
- Maintains proper bend radius and protects cable during the installation.
- Kit includes spring-loaded J-hook, pin, wheel and retainer, link, and beam clamp.
- When the job is complete, the pulley and pin assembly can be removed leaving the J-hook as a cable support.
- The CAT32PLR pulley components can be used on any current design CAT32 J-hook.



Applications



CAT32PLR comes ready to nail or screw directly to the structure. When used with other CADDY clips., it can be quickly attached to beams, C&Z purlins, drop wire/rods, etc.

Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
CAT32PLR	Pulley kit - CAT32 2" spring-loaded J-hook , pin, wheel and retainer, link and beam clamp	10
CAT64PLR	Pulley kit - CAT64 4" spring-loaded J-hook, pin, wheel and retainer, link and beam clamp	2



Datacomm ITS

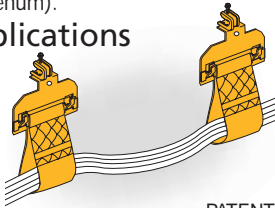
CADDY® CABLECAT

Adjustable Cable Support

Features

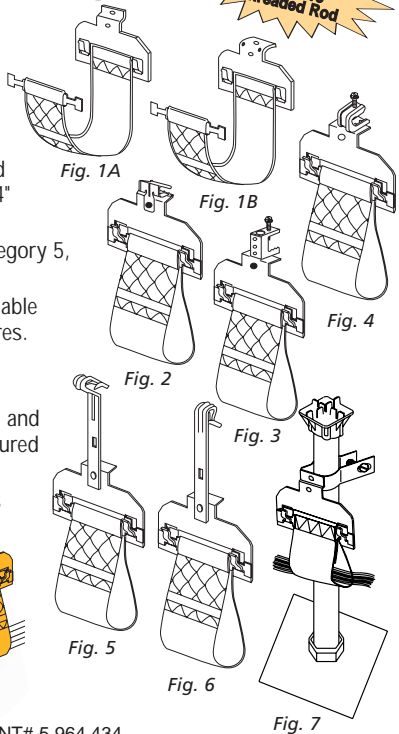
- Up to 425 4-pair UTP or 2-strand fiber optic cable, or 265 CAT6 - 4" or 6" dia. loop.
- Provides proper support of Category 5, fiber optic and innerduct.
- Multiple sizes and designs available to attach to a variety of structures.
- Cost effective alternative to expensive cable tray.
- Complies with UL®, cUL®, NEC® and EIA/TIA requirements for structured cabling systems.
- Suitable for air handling spaces (plenum).

Applications



PATENT# 5,964,434

Now available for 1/4" or 3/8" Threaded Rod



Load Rate 100 lbs.

Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
Adjustable Cable Support			
CAT425WM	1A	Wall mount - vertical surface	10
CAT425	1B	1/4" Threaded rod or horizontal surface	10
CAT425A6	1B	3/8" Threaded rod or horizontal surface	10
Hammer On Flange Clip			
CAT42524SM	2	Hammer-on 1/8" - 1/4" flange	10
CAT42558SM	2	Hammer-on 5/16" - 1/2" flange	10
CAT425912SM	2	Hammer-on 9/16" - 3/4" flange	10
Beam Clamp			
CAT425BC	3	Screw-on 1/8" - 1/2" flange (rotates 360°)	10
CAT425BC200	4	Screw-on 1/8" - 5/8" flange (rotates 360°)	10
Purlin			
CAT425AF14	5	Hammer-on 1/16" - 1/4" Z purlin	10
CAT425VF14	6	Hammer-on 1/16" - 1/4" vertical flange	10
CAT425WCD1B	7	Under floor pedestal	

Datacomm ITS

CADDY® CAT-CM Cable Support System

Features

- Specially designed U-Hooks and double J-Hooks have large diameter rounded support surfaces
- Two Installation Options
 - Rod-Mounted allows for field assembly onto All-Thread Rod.
 - Cantilever-Mounted allows U-Hooks being mounted with brackets to walls and columns.
- Compliant with NEC® and ANSI®/EIA/TIASM structured cabling systems standards.
- Hooks are UL listed.

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
CAT100CM	1	Double J-Hook	20
CAT200CM	2	U-Hook 200 mm/8" with T-nut*	10
CAT200CMLN	3	U-Hook 200 mm/8" less nut	10
CAT300CM	2	U-Hook 300 mm/12" with T-nut*	10
CAT300CMLN	3	U-Hook 300 mm/12" less nut	10
CATRL200CM	4	Roller 200 mm/8" (incl. rod & nuts)	10
CATRL300CM	4	Roller 300 mm/12" (incl. rod & nuts)	10
CATRT200CM	5	Wire Retainer 200 mm/8"	50
CATRT300CM	5	Wire Retainer 300 mm/12"	50
CATTBCM	6	Protection Tube	30
CATWMCM	7	Wall bracket	10

*Quick-attach T-nut for half slot strut



Datacomm ITS

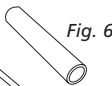
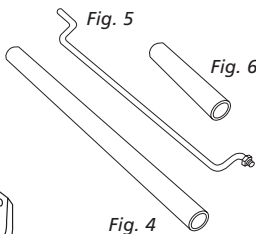
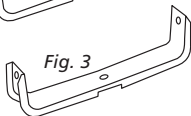
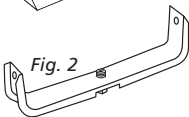
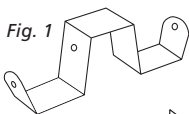
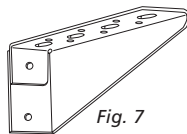
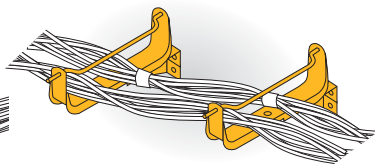
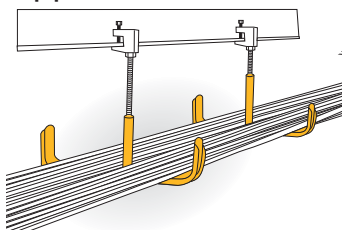


Fig. 6



Applications



CABLE	CAT100CM ON ROD	CAT200CMLN ON ROD OR CANTILEVER	CAT300CMLN ON ROD OR CANTILEVER
4-pair UTP, Cat 5/5e	80	500	750
4-pair UTP, Cat 6	50	315	470
4-pair ScTP/FTP	40	250	375
4-pair STP	26	170	250

Datacomm ITS

CADDY® CABLECAT

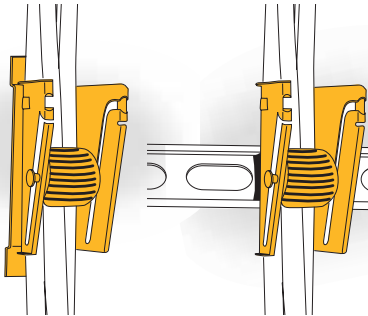
Vertical Backbone Cable Support

Features

- Makes vertical cable pulling easier – locking mechanism opens during pull and re-engages when cable is released.
- Accepts wide range of cable sizes: (75) 4-pair UTP CAT 5E, 47 CAT6 (10) 25-pair UTP, (1) each 100-pair through 600-pair.
- Available as wall-mount (#CAT600WM) or strut-mount (#CAT600R).*
- Strut-mount includes pre-riveted assembly that twist-locks into the strut.
- Rounded edges prevent cable damage.
- Valuable space savings within telecom closets.
- More versatile allowing future additions of cable runs.
- Reduces installation time.
- Allows cable installation to start at the bottom floor.
- Galvanized finish for corrosion protection.

* Also available as kits with 18" precut slotted strut.

Applications



Now Includes Foam Inserts for Improved Grip

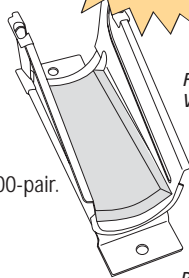


Fig. 1 Wall Mount



Comes Pre-assembled

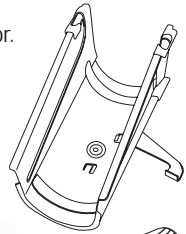


Fig. 2 Strut Mount



See CADDY® SCH-B (Page 59) for Innerduct Application Options

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
CAT600WM	1	Wall mount	2
CAT600R	2	Strut mount	2
CAT600RKIT	2	Strut mount kit with (1) 18" precut slotted strut & (4) CAT600R	1



Datacomm ITS

CADDY® CAT TRAX Continuous Cable Support System

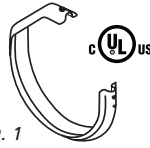


Fig. 1

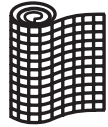


Fig. 2

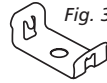


Fig. 3



Fig. 4

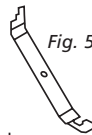


Fig. 5

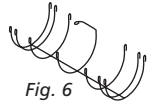
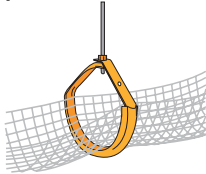


Fig. 6

Features

- Lightweight and flexible for easy installation
- Attaches to any main or sub structure when used in concert with other CADDY® Fasteners.
- Compliant with NEC® and ANSI®/EIA/TIASM structured cabling systems standards.
- Hangers are UL® Listed for 200 lbs. spaced 4 to 5 feet apart; mesh is suitable for internal air handling spaces (plenum).
- Rod and structure attachments sold separately.
- Sold as 25' rolls in convenient, easy-to-carry "kit" cartons
- Convenient "snap-together" kits
- 32 square inches of cable containment area
- Capacity exceeds a comparable 2" x 12" tray

Applications



patent pending

Sizing Chart

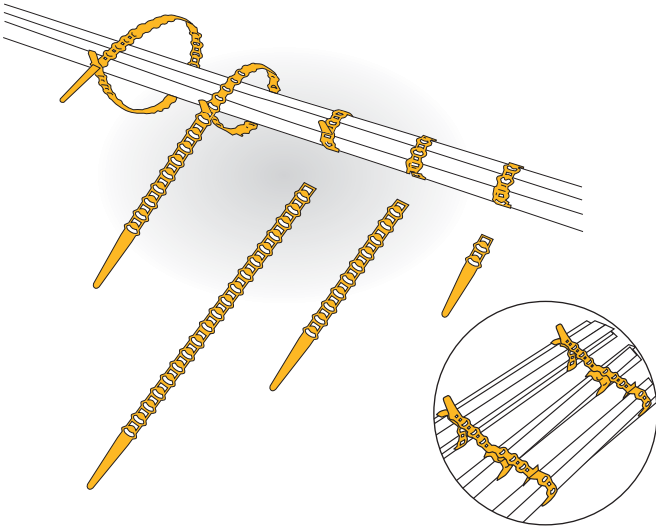
PART NUMBER	DESCRIPTION	INCLUDES	FIG. NO.
CATTRAX25	CADDY CAT TRAX Continuous Cable Support Kit	(5) steel support brackets	1
		25 ft. roll flexible mesh	2
		(15) spring steel bracket clips	3
		(10) plastic splice clips	4
		(5) steel retaining clips	5
CT128TRK	CADDY CAT TRAX Transition Kit	(5) wire transition pieces	6
		(5) steel retaining straps	5
		(30) plastic splice clips	4

Datacomm ITS

Mille-Tie™ Applications

Features

- Protects cable from crimping with “Intelligent Grip Technology.”
- Cushions vibration.
- Maintains cable properties and conductor configuration.
- Reusable.
- No sharp edges.
- One size fits all.
- Available in two versions – suitable for air-handling spaces (Plenum) and Low Smoke/Zero Halogen Certified.



PART NUMBER	DESCRIPTION	QTY. PER BAG/BOX
CATMTP	Red Mille -Tie (suitable for air-handling spaces)	100/1000
CATMTLS	Yellow Mille -Tie (Low Smoke - Zero Halogen)	100/1000

Mille-Tie is a trademark of Millepede International, Ltd.



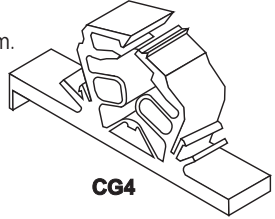
Datacomm ITS

Cable Gripper

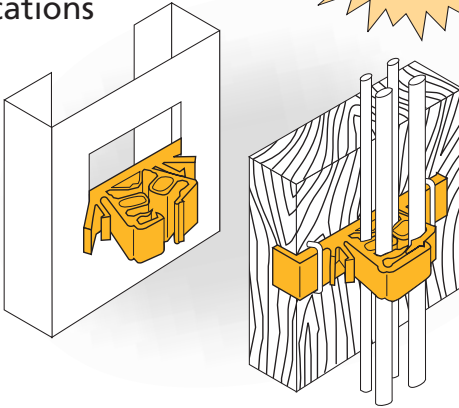
Features

- Installs easily to metal and wood studs.
- Provides secure installation of multiple cables with unique locking/unlocking system.
- Staples, nails or screws to wood stud.
- Attaches to existing holes in metal studs without tools.
- Supports four NMC or eight 4 pair UTP, Category 5 and higher (electrical and datacomm cannot be combined).
- Delivers compliance with:
NEC 300.4(d), CEC 12-510 and 12-516.

PATENT NUMBER
5,626,316



Applications



Sizing Chart

UL & cUL Listed
Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BAG
CG4	Cable Gripper cable support	100

Datacomm ITS

Low Voltage Mounting Bracket For New Construction

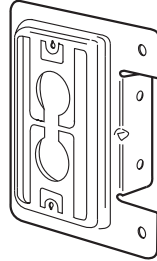
PATENT NUMBER
5,448,011

For Low Voltage Class 2 Wiring

Features

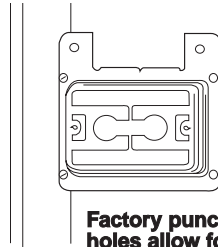
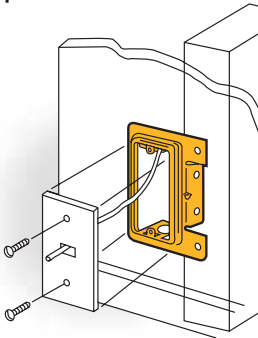
- Provides a bracket for mounting low voltage Class 2 communication outlets.
- Side support provides for a rigid installation.
- May be installed to the front or the side of the metal or wood stud.
- Reduces bulges in the dry wall caused by plaster rings.
- Attaches with self-tapping screws or nails.
- Works with 1/2" and 5/8" dry wall.

MP1S



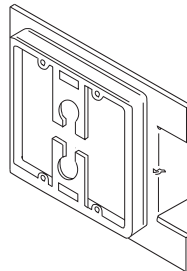
Bendable tabs provide cable tie off or 3/4" conduit stubbing.

Applications



Factory punched holes allow for horizontal installation.

MP2S



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
MP1S	Plate mounting bracket for new work	25
MP2S	Double gang plate mounting bracket for new work	25



Datacomm ITS

Mounting Plate Brackets (Non-Metallic)

Features

- No sharp metal edges with new plastic design.
- Fast, easy way to install.
- No installation tools required to secure bracket in the drywall opening.
- Serrated interlocking system secures tightly.
- Template points on brackets eliminate multiple measurement markings during installation.
- Recessed design assures flush mount of device.
- Only CADDY® provides the industry with the widest application range 1/4" to 1 1/4".
- Available in single gang, double gang and a unique 3-4 gang sizes.
- Eliminates the need for electrical boxes on low voltage class 2 applications.

NOTE: For low voltage Class 2 use only.

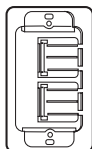


Fig. 1

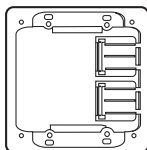
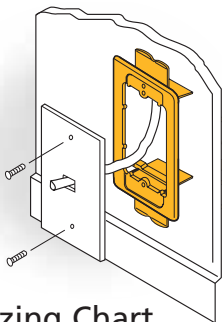


Fig. 2

Applications



FOR OTHER APPLICATIONS, SEE MPVTI, PAGE 150

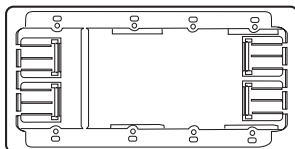


Fig. 3

Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	FIG NO.	DESCRIPTION	QTY. PER BOX
MP1P	1	Single gang mounting plate	100
MPAL2	2	Double gang mounting plate	100
MP34P	3	3 or 4 gang mounting plate	2

Datacomm ITS

Mounting Plate Brackets (Metallic)

for a better mousetrap see page 169

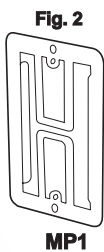
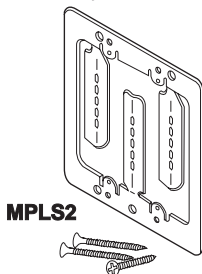
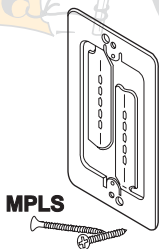
PATENT NUMBERS
 US: 4,955,825
 Re: 33,305
 Can: 1,265,230

Screw-On Support

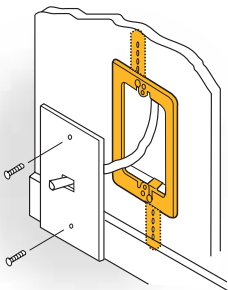
Features

- Provides positive support with locking screws (included).
- Mounts any standard low voltage device in 1/2" through 1 1/4" walls.
- Makes wire "fishing" easier.
- Install with a drywall saw and screwdriver.
- Eliminates the need for an electrical box when installing low voltage Class 2 wiring.

NOTE: For low voltage Class 2 use only.



Applications



Sizing Chart

UL & cUL Listed
 No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
MPLS	Single gang screws to drywall (screws included)	100
MPLS2	Double gang screws to drywall (screws included)	100
MP1	Single gang (no screws included)	100



Datacomm ITS

Metal Stud Punch And Easy Snap Grommet

Grommet Features

- Snap one grommet into standard 1¹¹/₃₂" field punched hole, OR snap two together into any shape factory punched hole.
- Provides 360° protection for cable and makes cable pulls easier.
- Delivers compliance with:
NEC® Article 300.4(b)(1) and CEC Rule 12-516.

Fig. 1
ESG1



Fig. 2
ESGP



Super for ceiling track & tight corners.

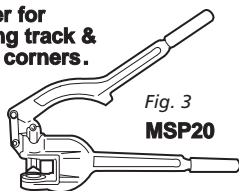
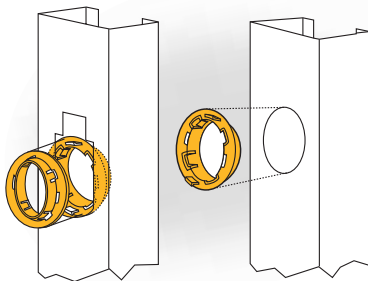


Fig. 3
MSP20

Punch Features

- Cushioned handles mean less operator fatigue and more comfortable handling.
- Tool design with offset handles allows punch to work in confined locations and near perpendicular walls.
- Lightweight punch makes accurate location of holes easier.
- Hardened steel components keep tool sharper longer – less replacement.
- Punches up to 20 gauge sheet metal.
- Plastic grommets snap easily into 1¹¹/₃₂" hole.

Applications



Sizing Chart

No Load Rating - Positioning Only

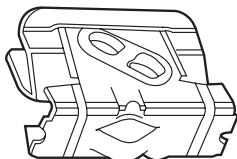
PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
ESG1	1	Easy snap grommet	100
ESG1M	1	Easy snap grommet	1000
ESGP	2	Anti-rattle grommet	100
ESGPM	2	Anti-rattle grommet	1000
MSP20	3	Metal stud punch	1

Datacomm ITS

Multi-Purpose Clip

Features

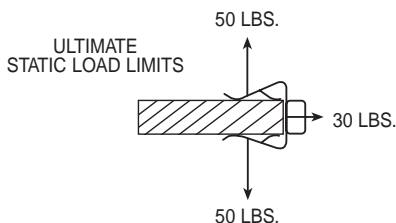
- Supports drive rings or bridle rings from flange.
- Accommodates any beam flange from 1/8" to 1/2" thickness.
- Accommodates standard 1/4-20 or #10-24 threaded bridle rings, standard drive rings as well as unthreaded bridle rings.
- Requires only hammer to install.



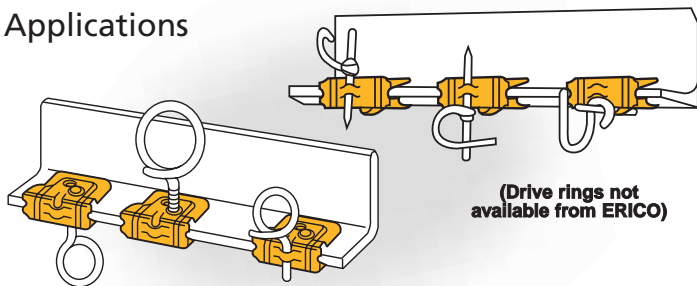
2FMP28

This clip is also sold to all major telephone companies.

For threaded and unthreaded bridle rings, see next page.



Applications



(Drive rings not available from ERICO)

Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
2FMP28	Multi-purpose clip that accommodates beam flange from 1/8" to 1/2" thickness, standard 1/4-20 or #10-24 threaded bridle rings, standard drive rings as well as unthreaded bridle rings	100



Datacomm ITS

Plain, Threaded And Wood Screw Bridle Rings

Bridle Rings not recommended for high performance cables, see CADDY® CABLECAT series



Features

When combined with other CADDY® Fasteners, Bridle Rings can be located on:

- Beam Flanges up to 3/4" – 2FMP28, BC, BC200, M912.
- Drop Wire – 4Z34 - 6Z34.
- Concrete – 4TIB.
- "C" Purlins – VF144TI.
- "Z" Purlins – 1224TI or AF144TI.
- Acoustical T-Grid – ATS4I or ATA4I.

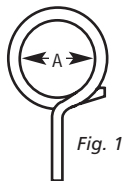


Fig. 1

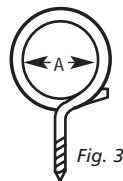
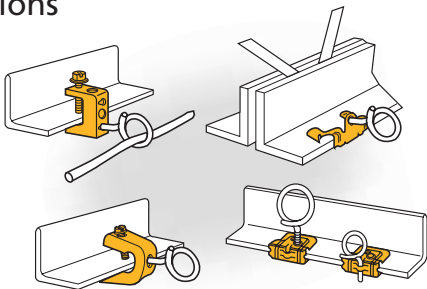


Fig. 3



Fig. 2

Applications



Sizing Chart

Ultimate static load limit 50 lbs.

PART NUMBER	FIG. NO.	"A" DIM.	STOCK DIA.	QTY. PER BOX
2BR8	1	1/2"	#8 wire (.162)	100
2BR12	1	3/4"	#8 wire (.162)	100
2BR20	1	1 1/4"	#8 wire (.162)	100
2BR32	1	2"	#8 wire (.162)	100
2BRT8	2	1/2"	10-24 threaded	100
2BRT12	2	3/4"	10-24 threaded	100
2BRT20	2	1 1/4"	10-24 threaded	100
2BRT32	2	2"	10-24 threaded	100
4BRT20	2	1 1/4"	1/4-20 threaded	100
4BRT32	2	2"	1/4-20 threaded	100
4BRT64	2	4"	1/4-20 threaded	50
4BRT20WS	3	1 1/4"	#14 wood screw thread	100
4BRT32WS	3	2"	#14 wood screw thread	100

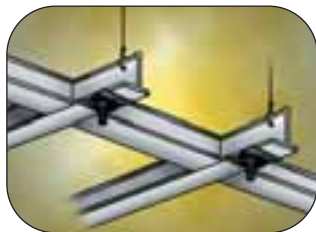
Datacomm ITS

New Ideas From Loyal Customers

ERICO® Research and Development is continually working with contractor suggestions to develop new fasteners and improve the current product offering. Thanks to your help, our Better Mousetrap program is moving forward. Your suggestions have resulted in exciting improvements to many of our existing fasteners. Look for the icon to see for yourself. The majority of CADDY® Fasteners are the result of providing solutions for customers' problems. We always welcome your ideas and suggestions.



Acoustical



**Works On
New Taller
T-Grid!**

*Watch for this icon for
compatibility with new
taller grid profile*



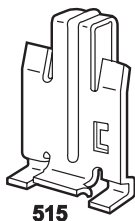
Pages 175-190

Acoustical

Lay In And Troffer Light Fixture Support Clips

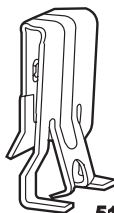
Features

- Complies with The National Electrical Code, Article 410.16 Means of Support.
- Gives a positive method of supporting troffers and lay-ins.
- Fits round or rectangular head tee bar.
- No installation tools required.



For straight lip fixtures.

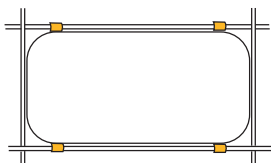
515



Works On
New Taller
T-Grid!

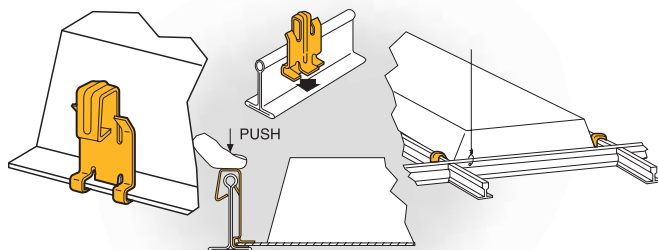
For straight
or upturned
lip fixtures.

515A



4 clips per fixture
required per UL listing.

Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
515	Straight lip fixtures	100
515A	Upturned or straight lip fixtures	100



Acoustical

Seismic Fixture Clamp

Features

- Cost effective
- Reusable
- Secures fluorescent light fixtures to the ceiling frame members
- Requires no additional chains, cables or slack wires attached to the fixture
- Strengthens integrity of the T-Bar system
- Holds in place against the force of standard fire-hose pressure
- Meets U.S. building code and electrical code specifications
- Also satisfies NEC® 410.16(C) positive attachment for secure fastening of luminaires (fixtures) complying with Acceptance Criteria 184

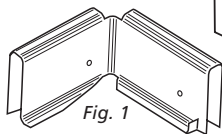


Fig. 1

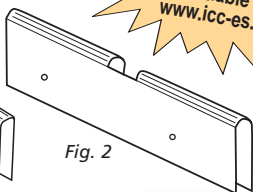
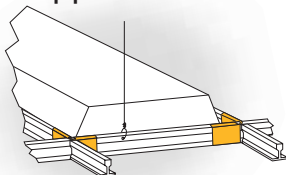


Fig. 2

ICC®-ES Evaluation Report No. ESR-1943 available at www.icc-es.org

Applications



SFC required at each corner

Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
SFCLT	1	Seismic Fixture Lighting Clamp (set of 4) for one standard tapered 2' x 4' light fixture.	25 sets (4 clamps/set)
SFCLTE	1	Seismic Fixture Lighting Clamp (set of 2) for two standard tapered 2' x 4' light fixtures end-to-end. In addition, a set of SFCLT is required.	25 sets (2 clamps/set)
SFCLTS	1	Seismic Fixture Lighting Clamp (set of 2) for two standard tapered 2' x 4' light fixtures side-by-side. In addition, a set of SFCLT is required.	25 sets (2 clamps/set)
SFCLTCF	1	Seismic Fixture Lighting Clamp (set of 2) for one 2' x 2' light fixture. In addition, a set of CADDY SFCLT is required.	50 sets (2 clamps/set)
SFCLTCFS	2	Seismic Fixture Lighting Clamp (set of 2) for reinforcement of T-Bar main runner/cross runner connections.	100 sets

The SFC has been tested for compliance to the UBC, NEC, NBC, and CEC as well as approved and listed with:

- Warnock Hersey (Listed)
- ETL (Listed)
- Certified to CSA C22.2 No. 9.0-96 Component Only
- ID: Seismic Fixture Clamp

ICC is a registered trademark of the International Code Council. Warnock Hersey & ETL are listing marks of Intertek Testing Services, NA. ICBO standards are a copyright of the International Code Council.

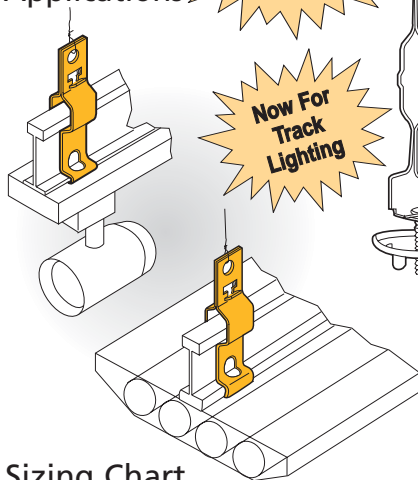
Acoustical

Independent Support Clips

Features

- Provides a means of independent support of fixtures
- No installation tools required
- Mounting hardware included

Applications



Plastic Spacer for Tegular Tile
See page 181

Now For Track Lighting

IDS Series

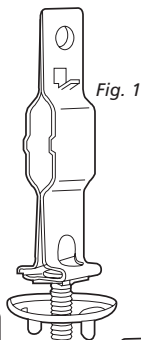


Fig. 2

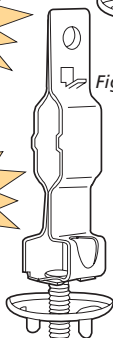
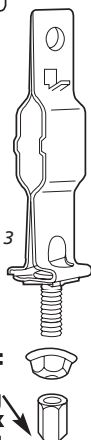


Fig. 3



Optional barrel nut:
Order by adding **-WB** suffix to catalog number. (IDSTWB)

UL Listed
Static load limit 65 lbs.

Sizing Chart

PART NUMBER	FIG. NO.	GRID SIZE	STUD LENGTH	STATIC LOAD LIMIT	QTY. PER BOX
1/4-20 STUD					
IDS	1	15/16"	5/8"	65 lbs.	100
IDS15	1	15/16"	1 1/2"	65 lbs.	100
IDS2	1	15/16"	2"	65 lbs.	100
IDS9*	1	9/16"	5/8"	65 lbs.	100
IDS95†	2	9/16" X 5/16"	5/8"	65 lbs.	100
8-32 STUD (For Track Lighting)					
IDST^	3	15/16"	9/16"	65 lbs.	100
IDS9T^	3	9/16"	9/16"	65 lbs.	100
IDS95T^	2	9/16" X 5/16"	9/16"	65 lbs.	100

* For Ultra Line 3500, AWW Ultra Line 3600 (a trademark product of Chicago Metallics Corp.)

† For Finline and Finline 1/8" Grids (a trademark product of USG Interiors,® Inc.)

^ Uses identical nuts as Figure 3.

Works On New Taller T-Grid!



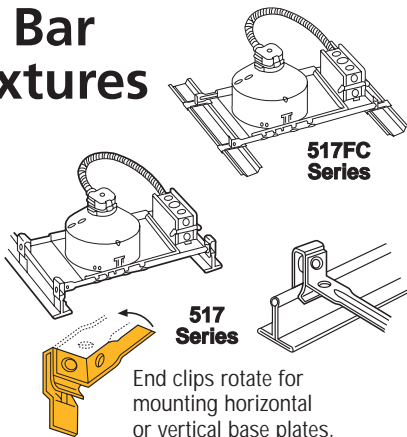
Acoustical

Suspension Bar For Light Fixtures

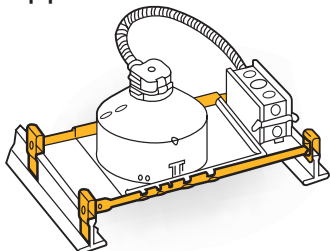
517 Series

Features

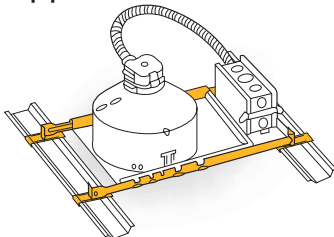
- Reduces installation time.
- No tools required.
- Safe installation.
- Position of fixture adjustable, simply slide to location.
- No center clips required.
- Span adjustable 11" to 26".



T-Grid Applications

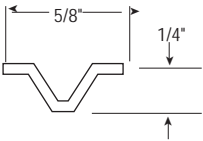
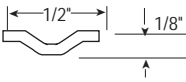
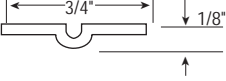


Hat Channel Applications



Sizing Chart

No Load Rating - Positioning Only

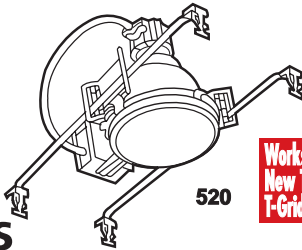
PART NUMBER	REPLACEMENT BAR TYPE	LIGHT FIXTURES
517A [‡] 517FCA	Standard 	CAPRI R-10C CAPRI R-9X CAPRI PR-751CX CAPRI R-10X HALO H17 JUNO AP, APT, IC JUNO ICT, J, SC, TC, THOMAS RI-IC
517B [‡] 517FCB	Narrow 	HALO H7, CAPRI HSG LIGHTOLIER 711
517C [‡] 517FCC	Wide 	Progress P-7 MARCO

Applicable to a wide variety and many types of light fixtures. The 517 series bar replaces the fixture bar. Measure width of bar to find appropriate bar for fixture.



Acoustical

Suspension Bars For Lightolier® Calculite® Series Fixtures

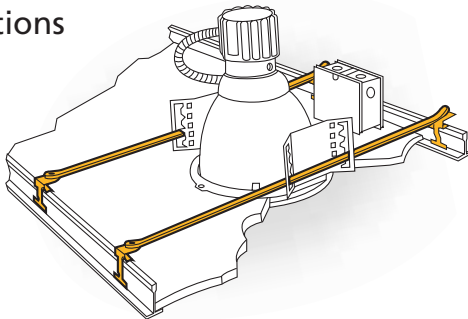


Works On New Taller T-Grid!

Features

- Reduces installation time.
- Only a screwdriver required.
- Position of fixture adjustable with span.

Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
520	Suspension bars for Lightolier Calculite series fixtures	10

Lightolier and Calculite are registered trademarks of Lightolier, a GENLYTE Company.

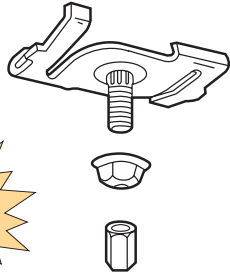


Acoustical

"Twist On" Track Light Clips

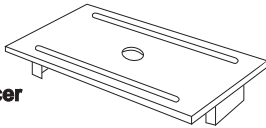
Features

- Fast, easy installation
- No special tools required
- Will not damage T-bars
- Available in white finish
- Nut included – standard pal nut
For brass hex nut add WB to
part number (2G9WB)

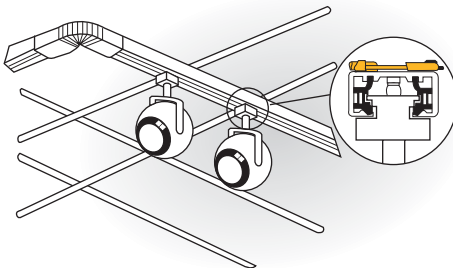


**Optional barrel nut:
Order by adding
-WB suffix to
catalog number.**

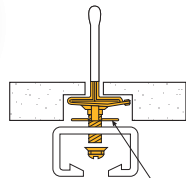
**PT16SPCR
Plastic Spacer**



Applications



**4TGS-1/4" Spacer
provides a mounting
surface even with
tegular tile.**



Spacer

Sizing Chart

PART NUMBER	FINISH	#8-32 STUD LENGTH	DESCRIPTION	QTY. PER BOX
2G9*	Silver	7/16"	For 9/16" tee	100
2G9S10*	Silver	5/8"	For 9/16" tee	100
4G8*	Silver	5/8"	For 15/16" tee	100
4G8WH*	White	5/8"	For 15/16" tee	100
4G8S7*	Silver	7/16"	For 15/16" tee	100
4G8S7WH*	White	7/16"	For 15/16" tee	100
PT16SPCR	White	—	Plastic spacer	100
4TGS*	Silver	—	Tee grid spacer	100
			for all above	

* Static load limit 25 lbs.

Acoustical

"Twist On" Fixture Support

Features

- Supports electrical fixtures from acoustical tee bar $\frac{9}{16}$ ", $\frac{15}{16}$ " or $1\frac{1}{2}$ " wide
- $\frac{1}{4}$ -20 stud – $\frac{5}{8}$ ", $1\frac{1}{2}$ ", 2" or 3" long
- Washer-wing nut (4WN) included
- No installation tools required

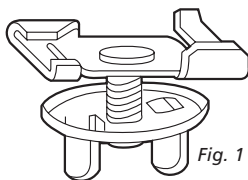


Fig. 1

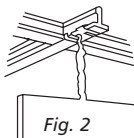


Fig. 2

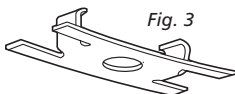


Fig. 3

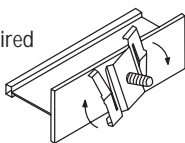


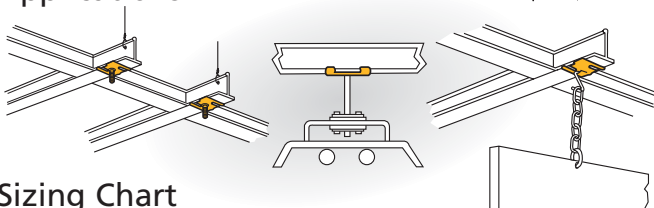
Fig. 4

4TGS- $\frac{1}{4}$ " spacer provides a mounting surface even with tegular tile.

Plastic Spacer for Tegular Tile
See page 181

Now For $1\frac{1}{2}$ " Tee Grid

Applications



Sizing Chart

PART NUMBER	FIG. NO.	STUD LENGTH	DESCRIPTION	STATIC LOAD LIMIT	QTY. PER BOX
4G9	1	$\frac{5}{8}$ "	For $\frac{9}{16}$ " tee	40	100
4G16	1	$\frac{5}{8}$ "	For $\frac{15}{16}$ " tee	50	100
4G1615	1	$1\frac{1}{2}$ "	For $\frac{15}{16}$ " tee	50	100
4G162	1	2"	For $\frac{15}{16}$ " tee	50	100
4G163	1	3"	For $\frac{15}{16}$ " tee	50	100
4WN	1		$\frac{1}{4}$ -20 thread impression washer wing nut	*	100
4G16H	2	Sign Hanger	For $\frac{15}{16}$ " tee	40	100
4TGS**	3	$\frac{1}{4}$ " Spacer	For recess T-grid system	N/A	100
4G24	4	$\frac{5}{8}$ "	For $1\frac{1}{2}$ " tee with 4WN	40	100

* Not to exceed the load rating of corresponding fastener.

** To be used with studded CADDY® Twist Clips.

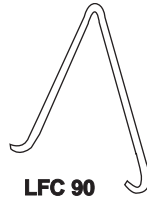


Acoustical

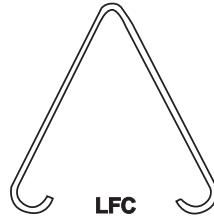
Fluorescent Light Fixture Hanger

Features

- Provides an easy method of supporting an industrial class fluorescent light fixture from S-Hooks and Jack Chain.
- Fits most fluorescent light fixtures.
- Reduces the need to modify Jack Chain for fixture installation.
- Requires no special tools for installation.

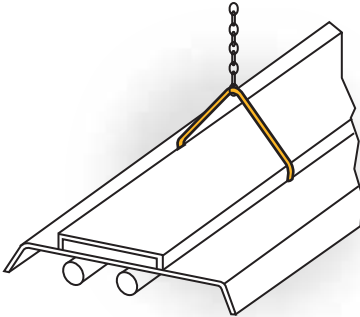


LFC 90
Top Mount Clip



LFC
Side Mount Clip

Applications



Sizing Chart

Ultimate static load limit 50 lbs.

PART NUMBER	DESCRIPTION	QTY. PER BOX
LFC90	Top mount clip	100
LFC	Side mount clip	100

Acoustical

Jack Chain And S-Hooks

- Add Jack Chain and S-Hooks to your next CADDY® order

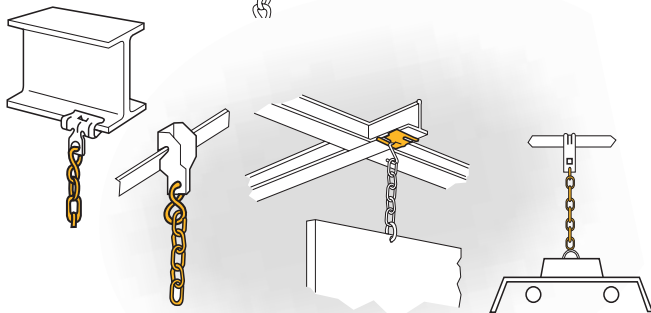
for a better mousetrap see page 122



**771
#11 S-Hooks**

**770
#12 Single
Jack Chain**

Applications



Sizing Chart

Static load limit 29 lbs.

PART NUMBER	DESCRIPTION	QTY. PER BOX
770	Jack Chain	100 ft.
771	S-Hooks	50



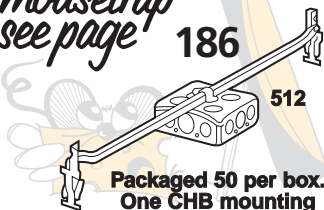
Acoustical

Snap On Fixture/ Box Hanger

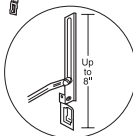
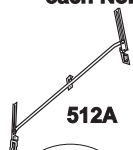
Features

- Snaps easily onto tee bar.
- Hanger comes complete with box mounting clip and 1/4-20 screw.
- Supports from acoustical tee bar as well as main structure with the use of a drop wire.
- Dual height feature permits 1 1/2" deep electrical box to be mounted flush with tile or off-set 3/4" for plaster ring.
- 512A is height adjustable up to 8" allowing you to install double deep boxes, speaker cases and emergency light fixtures above acoustical tee.
- Not permitted for paddle fans.

*for a
better
mousetrap
see page*

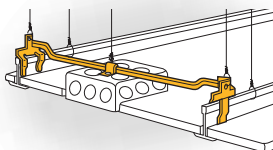


**Packaged 50 per box.
One CHB mounting
clip is included with
each No. 512.**



**Works On
New Taller
T-Grid!**

Applications



**CHB can be purchased
separately when more than
one box is required.
Screw furnished.**

Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
S3575BP50	1/4 - 20 x 3/8" round head screw	50
S102438BP*	10-24 1/2" Rnd Hd Robertson screw	50
512	Electrical box hanger - 24" span	50
512TC*	Electrical box hanger - 24" span	50
51212	Electrical box hanger - 12" span	50
51220	Electrical box hanger - 20" span	50
51230	Electrical box hanger - 30" span	50
CHB	Box mounting clip	100
CHBTC*	Box mounting clip	100
512A	8" height adjustable - 24" span	50
512ATC*	8" height adjustable - 24" span	50

Not to exceed 20 lbs. without independent wire support to CHB.

*For Canadian boxes.

Acoustical

T-Grid Box Hanger



PATENT NUMBER 5,619,263

Features

- Mounts a box to T-grid in less than 30 seconds.
- Now height adjustable for various electrical box depths.
- Installs by hand.
- Drop wire for independent support from clip and/or bar.
- Screws easily to tee bar for added stability.
- Multiple box installations.
- Double deep box installations with 512HDXT Extension Brackets.
- Not permitted for paddle fans.

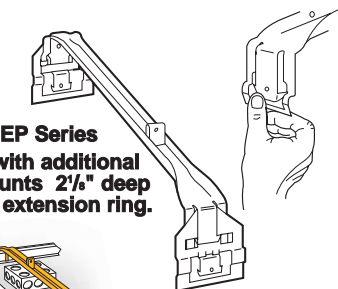
510HD Series

One 510HD box mounting clip is included with each 512HD and 512HDEEP.

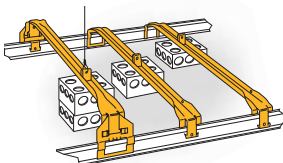
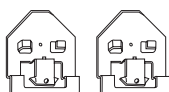


512HD Series

Standard bar mounts 2 1/8" box – break off tabs for 1 1/2" deep box. Mounts flush with face of tile.



512HDEEP Series
512HDEEP with additional 512HDXT mounts 2 1/8" deep box with 1 1/2" extension ring.



Applications

Sizing Chart

Ultimate load limit 50 lbs. per bar

PART NUMBER	DESCRIPTION	QTY. PER BOX
512HD [‡]	Heavy-duty electrical box hanger with box mounting clip – 24" span	25
512HDTC*	Heavy-duty electrical box hanger with box mounting clip – 24"	25
510HD	Box mounting clip can be purchased separately for multiple box requirements	100
510HDTC*	Box mounting clip can be purchased separately for multiple box requirements	100
512HDXT [‡]	Extension bracket 3 5/8" height (25 sets)	50
512HDEEP [‡]	Heavy-duty electrical box hanger with extension bracket – 3 5/8" height	25
512HDEEPTC*	Heavy-duty electrical box hanger with extension bracket – 3 5/8" height	25

*For Canadian boxes. [‡]Tall grid compatible.



Acoustical

Electrical Component Supports

Features

- Provides a positive method of supporting conduit and outlet boxes above acoustical tee bar.
- Available for both horizontal and vertical support.
- Clips are available with 1/4"-20 thread impression or plain hole.
- Riveted assemblies accommodate MC/AC to 1" conduit.
- No installation tools required for basic clip.

NOTE: Consult local authority for application approval.

Applications

**Eliminates
offset
bending
conduit**

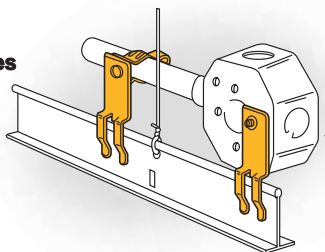


Fig. 1



Fig. 2



Fig. 3

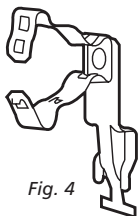


Fig. 4

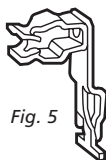


Fig. 5

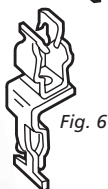


Fig. 6

Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	SIDE OR TOP MOUNTED	DESCRIPTION	QTY. PER BOX
ATA4I	1	T	1/4"-20 thread impression	100
ATS4I	2	S	1/4"-20 thread impression	100
6MATA	3	T	for MC/AC cable	100
812MATA	3	T	for 1/2" - 3/4" conduit	100
8PATA	6	T	for 1/2" conduit	100
12PATA	6	T	for 3/4" conduit	100
16MATA	3	T	for 1" conduit	100
16PATA	6	T	for 1" conduit	100
6MATS	4	S	for MC/AC cable	100
812MATS	4	S	for 1/2" to 3/4" conduit	100
8PATS	5	S	to 1/2" conduit	100
12PATS	5	T	for 3/4" conduit	100
16MATS	4	T	for 1" conduit	100
16PATS	5	T	for 1" conduit	100

Acoustical

Adjustable Box And Conduit Support (DFN)

Features

- Supports boxes and conduit above acoustical T-bar with adjustments from 4 1/4" through 7 1/4".
- Allows attachment of conduit clips with thread impressions at required height.
- Assemblies available for specific conduit locations.
- No tools required to install.

NOTE: Consult local authority for application approval.

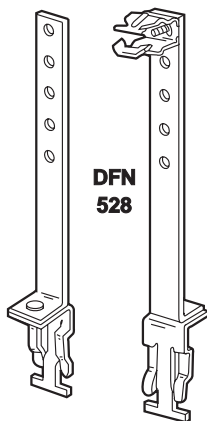
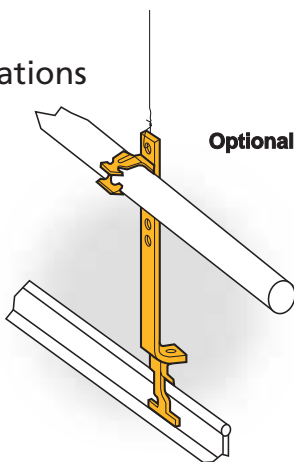


Fig. 1

Fig. 2

Assemblies for conduit

Applications



Optional support wire if needed

Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	CONDUIT SIZE	QTY. PER BOX
528	1	—	50
5288P*	2	For 1/2" EMT	25
52812P*	2	For 3/4" EMT	25
52816P*	2	For 1" EMT	25

* Comes with P-series with THD impression screw assembled to top hole location (adjustable). Also available as riveted assembly. Specify hole location.

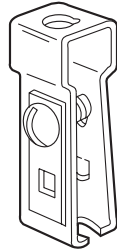


Acoustical

Conduit/Box Support

Features

- Provides a method for attaching above acoustical tee bars.
- Provided with 1/4"-20 screw for attachment to tee bar.
- Has a 1/4"-20 thread impression for direct attachment to an outlet box or CADDY® CONDUIT CLIP.
- When used in combination with a CADDY CONDUIT CLIP and outlet box, it provides exact alignment – eliminating an offset bend in the conduit.

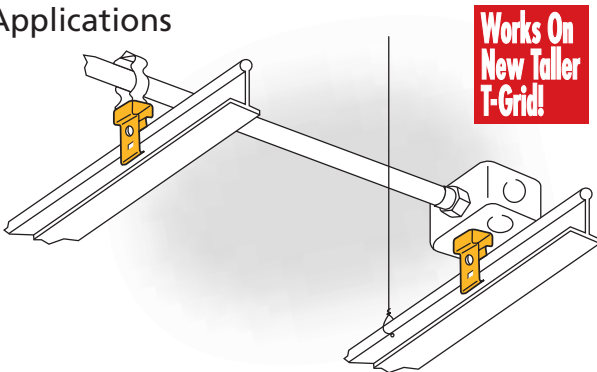


4ACS

NOTE: Consult local authority for application approval.

NOTE:
Not to be used
to hang Tee Grid

Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
4ACS	Conduit/box support on T-grids	100

Acoustical

Independent Electrical Drop Wire/Rod Securing Clip

Features

- Prevents sway of dedicated electrical drop wire/rod.
- Doesn't negatively affect ceiling grid systems.
- No tools required. Forging design doesn't require exact cutting of rod/wire.
- Painted yellow for easy identification by the inspector.

NOTE:

Consult local authority for application approval.

2005 code solution NEC 300-11(a)(1)

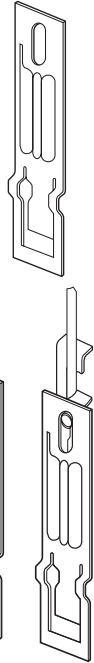
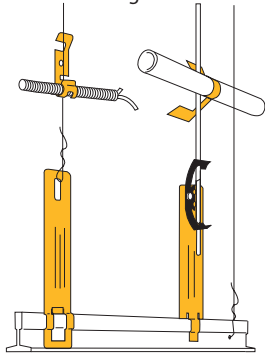
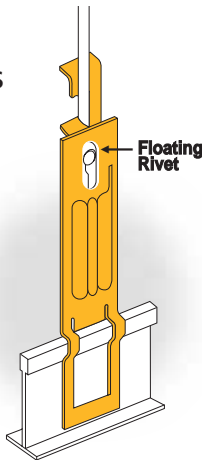


Fig. 1

Fig. 2

Applications

Works On New Taller T-Grid!

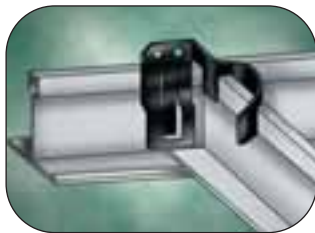


Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
EC311	1	Electrical drop wire securing clip #12 thru #8 wire	100
EC3114Z34	2	#12 wire thru 1/4" threaded rod	100
EC3116Z34	2	3/8" threaded rod	100



Ceiling/Partitions



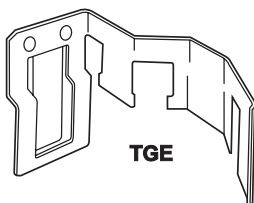
Pages 191-200

Ceiling/Partitions

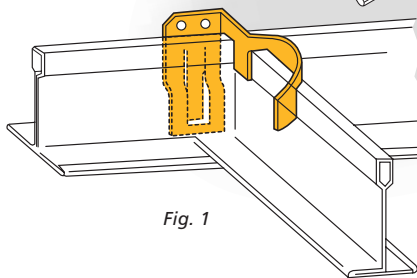
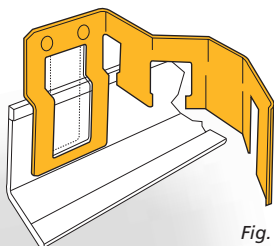
TGE Clip T-Grid Splicing Clip

Features

- Replaces pop riveting.
- No need to cut and bend "T".
- Can be used to splice across "T" into the main "T" (Fig. 1).
- "T" to edge angle (Fig. 2).



Applications



Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
TGE	Attaches tee to edge trim	100



Ceiling/Partitions

Lathers to T-Grid Hanger Clip

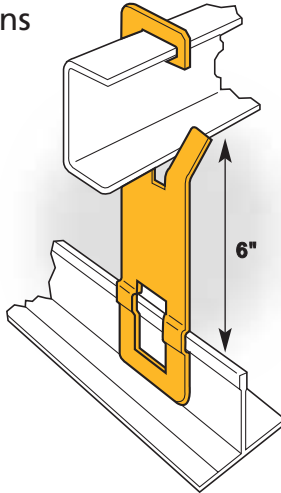
Features

- Allows 6" drop space providing area for light fixtures.
- Fits 1 1/2" channel with flange widths from 1/2" to 5/8".
- Installs quickly and easily.



LTGH

Applications



Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
LTGH	Provides 6" space in supporting acoustical tee from 1 1/2" lathers channel	100

Ceiling/Partitions

Lathers Channel Hanger

Not for use in plaster applications

Features

- Attaches 1½" lathers channel to #8 wire, ¼" plain rod.
- Attaches 2" lathers channel to ¼" plain rod.
- Available in both center and sidemount for ¼" rod.
- Provides pre-leveling of channel.
- Will fit channel flange widths 7/16" thru 5/8".
- No installation tools required.

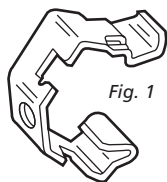


Fig. 1

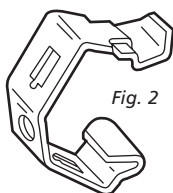
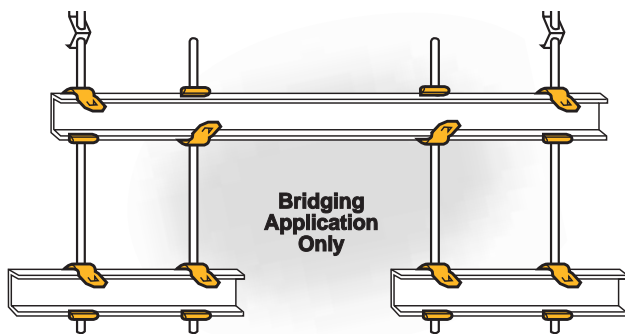


Fig. 2

Applications



Sizing Chart

Static load limit 160 lbs.

FIG. 1 PART NUMBER	FIG. 2 PART NUMBER	SIZE		
		WIRE OR ROD	LATHERS CHANNEL	QTY. PER BOX
2B1.5LS*	—	#8	1½" channel	100
4B1.5LS	4B1.5L	¼" plain rod	1½" channel	100
4B2LS		¼" plain rod	2" channel	100

*Cannot be used on #9 wire



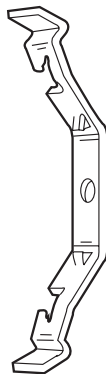
Ceiling/Partitions

Lathers Channel Hanger

Not for use in plaster applications

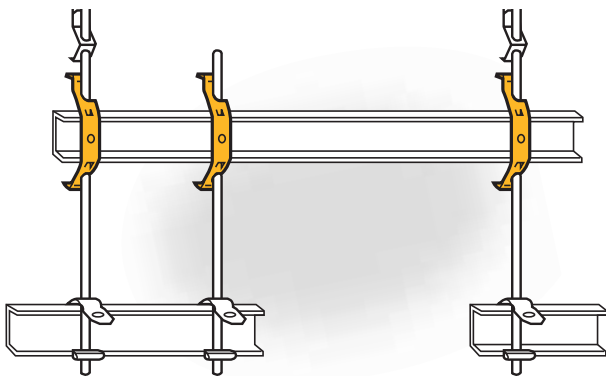
Features

- Eliminates the major problem of cutouts for lighting layouts, ducts, obstructions and architectural changes.
- Provides a method for attaching 1½" channel to existing #8 wire, #9 wire, 3/16" or ¼" plain rod, or ⅛" - 3/16" x 1" wide strap.
- No installation tools required.



HRL

Applications



Sizing Chart

PART NUMBER	LATHERS CHANNEL FLANGE WIDTH	SUPPORTING MEMBER	STATIC LOAD LIMIT	QTY. PER BOX
HRL1.5A	9/16" to 5/8"	#9 and #8 wire, 3/16" and ¼" plain rod	100 lbs.	100
		⅛" and 3/16" thick strap	75 lbs.	100

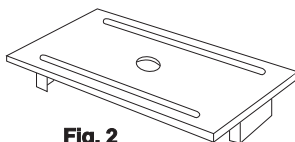
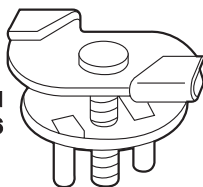
Ceiling/Partitions

Lock-On Twist Clip

Features

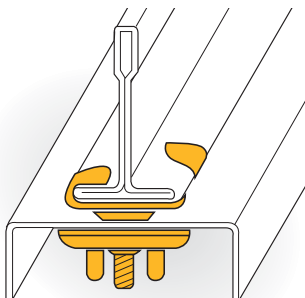
- Attaches easily to tee bar
- Doesn't harm acoustical tee
- Fits $15/16$ " tee bar
- Provides "positive lock" to position fastener

**Fig. 1
PT16**



**Fig. 2
PT16SPCR**

Applications



Sizing Chart

Static load limit 50 lbs.

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
PT16	1	Lock-on twist clip for $15/16$ " tee, $3/4$ " stud	100
PT16FP	1	With felt pad	100
PT16SPCR	2	Plastic spacer for PT16	100



Ceiling/Partitions

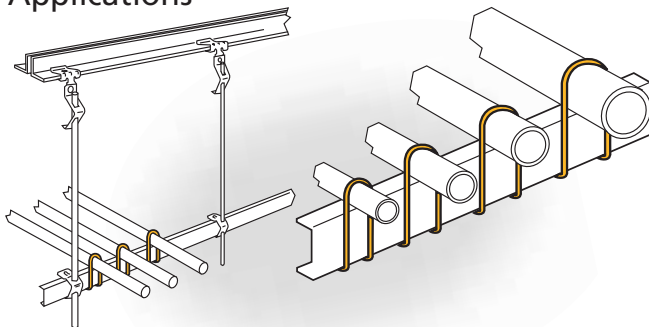
Conduit Clip

Features

- For use as hold-down of 1/2", 3/4", 1", 1 1/4" thin wall conduit to 1 1/2" lathers channel.
- No installation tools required.



Applications



Sizing Chart

Static load limit 50 lbs.
(When conduit hangs below lathers channel.)

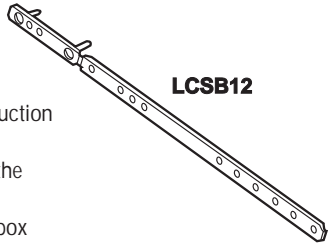
PART NUMBER	CONDUIT SIZE	QTY. PER BOX
8D1.5L	1/2" EMT conduit	100
12D1.5L	3/4" EMT conduit	100
16D1.5L	1" EMT conduit	100
20D1.5L	1 1/4" EMT conduit	100

Ceiling/Partitions

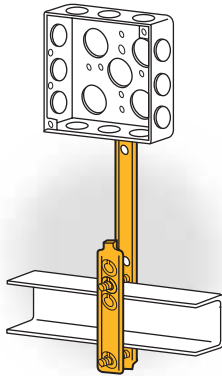
Support Box From Lathers Channel

Features

- Provides a convenient method of supporting an electrical box from $\frac{3}{4}$ " thru 2" lathers channel.
- CADDY® "one piece/two piece" construction prevents dropping of loose parts.
- Built-in thread impressions eliminate the need for nuts.
- Multiple pre-punched holes allow for box height adjustability and screw and nut are provided.



Applications



Sizing Chart

No Load Rating – Positioning Only

PART NUMBER	LATHERS CHANNEL SIZE	QTY. PER BOX
LCSB12	$\frac{3}{4}$ ", 1", 1 $\frac{1}{2}$ " or 2"	50

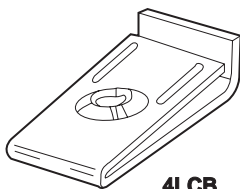


Ceiling/Partitions

Lathers Channel Box Mount

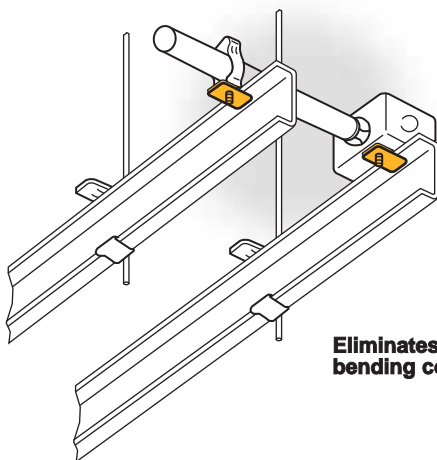
Features

- Provides attachment of conduit and outlet boxes directly to lathers channel with $\frac{1}{4}$ -20 x $\frac{3}{4}$ " screw furnished.
- Can be applied to the top or bottom flange of the channel.
- Fits most lathers channel $\frac{3}{4}$ ", $1\frac{1}{2}$ " and 2". Maximum flange width $\frac{5}{8}$ ".



4LCB

Applications



Eliminates offset bending conduit

Sizing Chart

UL & cUL Listed
No Load Rating – Positioning Only

PART NUMBER	DESCRIPTION	QTY. PER BOX
4LCB	Lathers channel box mount	100

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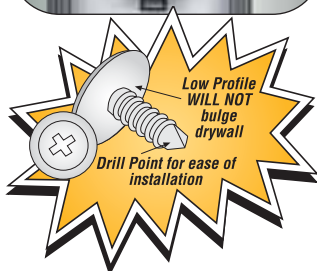
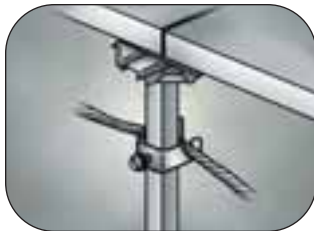
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Miscellaneous Components



Pages 201-207

Miscellaneous Components

Hangers

Features

Fig. 1 & 2

- Permits preassembly of wire and plain rod (#8, 1/4" and 3/8").

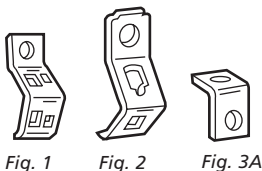
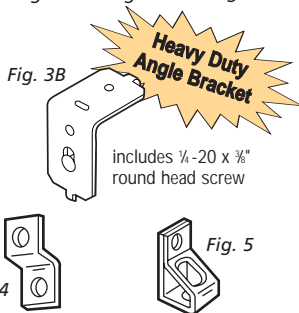


Fig. 3 & 4

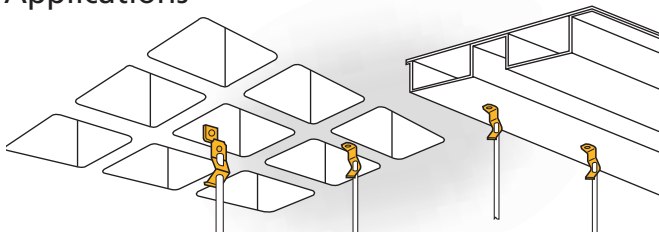
- Permits wire or chain drops from concrete or wood.

Fig. 5

- Rod hanger available for 1/4" and 3/8" threaded rod with or without thread impression.



Applications



Sizing Chart

PART NUMBER	FIG. NO.	DESCRIPTION	STATIC LOAD LIMIT	QTY. PER BOX
708	1	For #8 wire or 1/4" plain rod	160 lbs.	100
6A	2	For 3/8" plain rod	160 lbs.	100
AB	3A	Angle bracket w/ 1/4" hole	160 lbs.	100
AFAB3	3B	Angle bracket with 1/4" slotted hole and 3/16" mounting hole.	160 lbs.	100
AFAB4	3B	1/4" mounting hole (includes 1/4" - 20 x 3/8" round head screw)	350 lbs.	50
AFAB6	3B	3/8" mounting hole (includes 1/4" - 20 x 3/8" round head screw)	350 lbs.	50
AO	4	Offset bracket w/ 1/4" hole	160 lbs.	100
6T	5	For 1/4" or 3/8" threaded rod nuts required	160 lbs.	100
4TI	5	For 1/4" threaded rod with thread impression	160 lbs.	100
6TI	5	For 3/8" threaded rod with thread impression	160 lbs.	100

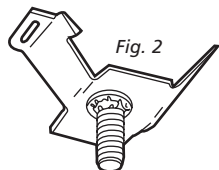
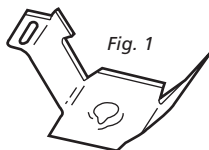


Miscellaneous Components

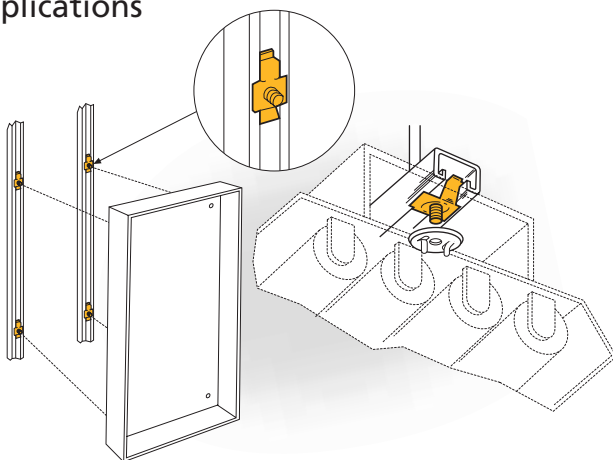
Strut Clip

Features

- Fits most 1⁵/₈" strut.
- Available with a 1/4-20 thread impression.
- Available with a 1/4-20 staked stud 5/8".
- Requires only a screwdriver to install, adjust or remove.
- Eliminates nuts and bolts.
- The CADDY® combination washer-wing nut (Part No. 4WN) can be used to attach box or fixture. (Not included with strut clip.)



Applications



Sizing Chart

Static load limit 100 lbs. with strut in horizontal position
Ultimate static load limit 50 lbs. in vertical position

PART NUMBER	FIG. NO.	DESCRIPTION	QTY. PER BOX
MFA4I	1	1/4-20 thread impression	100
MFA625	2	1/4-20 x 5/8" stud	100

Miscellaneous Components

Pipe Sleeve Positioner

Features

- Provides secure positioning of pipe sleeve for concrete pouring of wall and floor forms.
- Requires only a hammer to install.
- Will accommodate Schedule #40, #80 and smaller wall thickness.

740



Fig. 1

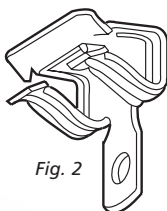
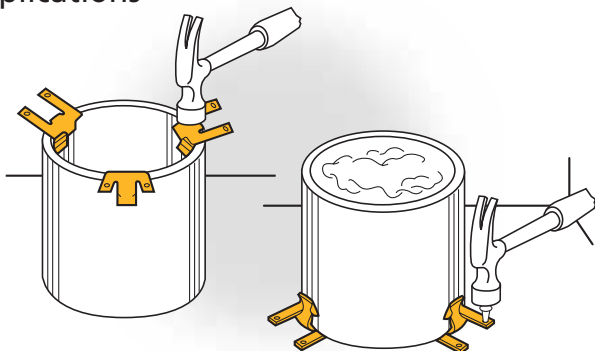


Fig. 2

Applications



Sizing Chart

No Load Rating - Positioning Only

PART NUMBER	FIG. NO.	SLEEVE DIAMETER	WALL THICKNESS	QTY. PER BOX
740	1	All Diameters	$\frac{5}{16}$ " and under	100
740	1	2"-6"	Schedule #40 Pipe	100
4H58	2	6"	Schedule #80 Pipe	100
4H58	2	8"-10"	Schedule #40 Pipe	100
4H912	2	9"-14"	Schedule #80 Pipe	100



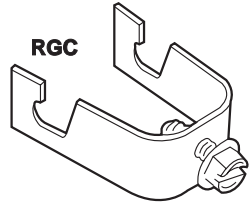
Miscellaneous Components

Signal Reference Grid Wire Clamp

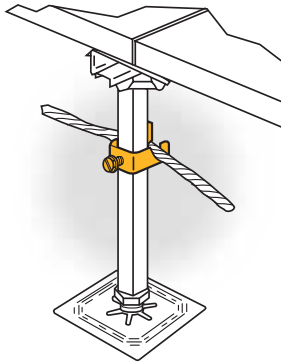
For Static Grounding

Features

- Provides a quick method to mechanically support a signal reference grid wire below computer room floors.
- One fastener will support #2 wire, #8 stranded (.146) to #4 stranded (.280).
- Fits post sizes 3/4" to 1" round or square.
- Slots in fastener grip wire to provide positive contact with post.
- Clamps grid wire directly to post allowing a low resistance connection across bare metal contacts.
- Installs easily with a screwdriver or nut driver.



Applications



Sizing Chart

UL & cUL Listed
No Load Rating - Positioning Only

PART NUMBER	WIRE SIZE	POST SIZE	QTY. PER BOX
RGC	#2 Wire, #8 Solid (.146) thru #4 Stranded (.280)	3/4" to 1" round or square	100

Miscellaneous Components

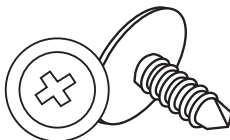
Wafer Head Sheet Metal Screw

Features

- Self-drilling and tapping.
- Minimizes drywall bulge.

NOTE:

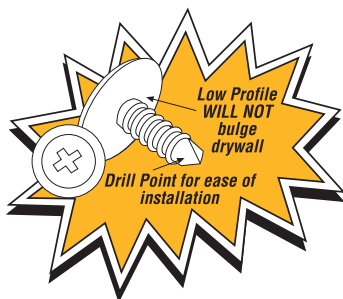
Use to mount CADDY® Fasteners in all metal stud applications.



**Drill point
for ease of
installation.**

Sizing Chart

PART NUMBER	DESCRIPTION	QTY. PER BOX
SMS8	#8 x 1/2" long	1,000



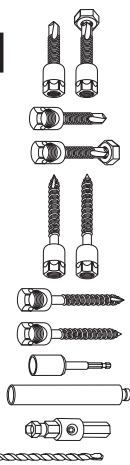
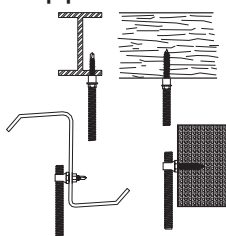
Miscellaneous Components

HangerMate® Threaded Rod Anchoring System

Features

- Easy installation of 3/8"-16 or 1/4"-20 threaded rod
- Installs and taps steel, wood and concrete with drill
- Vertical- or side-mount applications

Applications



Sizing Chart

PART NUMBER	ROD SIZE	DESCRIPTION	QTY. PER BOX
Steel Applications-Vertical Mount (End-Drilled Head)			
HMZG160	1/4-20	1/4-20 HangerMate Anchor, #3 point	50
HMZG471 *	3/8-16	1/4-20 HangerMate Anchor, #3 point with nut	50
HMZG550	3/8-16	5/16-24 X 1-1/8 HangerMate Anchor. #3 point	50
Steel Applications-Horizontal Mount (Cross-Drilled Head)			
HMZH455	3/8-16	1/4-20 X 1" HangerMate Anchor, #2 point (.060-.125 steel thickness)	50
HMZH475	3/8-16	1/4-20 X 1" HangerMate Anchor, #3 point (.060-.250 steel thickness)	50
HMZH476 *	3/8-16	1/4-20 X 1" HangerMate Anchor with nut, #3 point (.060-.250 steel thickness)	50
Wood Applications-Vertical Mount (End-Drilled Head)			
HMZG315	1/4-20	5/16 X 2-1/4" HangerMate Anchor	50
HMZG660	3/8-16	5/16 X 2-1/4" HangerMate Anchor	50
Wood Applications-Horizontal Mount (Cross-Drilled Head)			
HMZH665	3/8-16	5/16 X 2-1/4" HangerMate Anchor	50
Concrete Applications-Vertical Mount (End-Drilled Head)			
HMZG365	1/4-20	5/16 X 2-1/4" HangerMate Anchor	50
HMZG730	3/8-16	5/16 X 2-1/4" HangerMate Anchor	50
Concrete Applications-Horizontal Mount (Cross-Drilled Head)			
HMZG735	3/8-16	5/16 X 2-1/4" HangerMate Anchor	50
Installation Tools			
HMZE215	—	Vert recessed drive socket	1
HMZE220	—	Concrete recessed drive sleeve	1
HMZE240	—	Drill Bit Adapter Kit	1
HMZE340	—	ANSI 1/4" Tanged Drill Bit for Hammer Drills	1
HMZE350	—	ANSI 1/4" SDS Drill Bit for Rotary Hammer Drills	1

* Nut required for light gauge steel applications (16 GA or .060")

® HangerMate is a registered trademark of Textron Inc.

Reference

Convenient Sizing Information

RIGID STEEL CONDUIT (Heavy Wall Conduit)

Nominal Conduit Size	Outside Diameter	Nominal Inside Diameter	Minimum Wt. Per 100 Ft. With Couplings Attached	Weight Of Conduit & Conductors Per 100 Ft.
3/8"	0.675 in.	0.493 in.	51.5 lbs.	65.1 lbs.
1/2"	0.840 in.	0.632 in.	79.0 lbs.	101.1 lbs.
3/4"	1.050 in.	0.836 in.	105.0 lbs.	145.8 lbs.
1"	1.315 in.	1.063 in.	153.0 lbs.	219.3 lbs.
1 1/4"	1.660 in.	1.394 in.	201.0 lbs.	318.3 lbs.
1 1/2"	1.900 in.	1.624 in.	249.0 lbs.	408.8 lbs.
2"	2.375 in.	2.083 in.	332.0 lbs.	593.8 lbs.
2 1/2"	2.875 in.	2.489 in.	527.0 lbs.	901.0 lbs.
3"	3.500 in.	3.090 in.	682.6 lbs.	1259.0 lbs.
3 1/2"	4.000 in.	3.570 in.	831.0 lbs.	1604.0 lbs.
4"	4.500 in.	4.050 in.	972.3 lbs.	1967.0 lbs.

INTERMEDIATE METAL CONDUIT

1/2"	0.815 in.	0.745 in.	60.0 lbs.	82.1 lbs.
3/4"	1.029 in.	0.954 in.	82.0 lbs.	122.8 lbs.
1"	1.290 in.	1.205 in.	116.0 lbs.	182.3 lbs.
1 1/4"	1.638 in.	1.553 in.	150.0 lbs.	267.3 lbs.
1 1/2"	1.883 in.	1.793 in.	182.0 lbs.	341.8 lbs.
2"	2.360 in.	2.266 in.	242.0 lbs.	503.8 lbs.
2 1/2"	2.857 in.	2.727 in.	401.0 lbs.	775.0 lbs.
3"	3.476 in.	3.346 in.	493.0 lbs.	1069.0 lbs.
3 1/2"	3.971 in.	3.841 in.	573.0 lbs.	1346.0 lbs.
4"	4.466 in.	4.336 in.	638.0 lbs.	1632.0 lbs.

ELECTRICAL METALLIC TUBING (EMT) – THIN WALL CONDUIT

3/8"	0.577 in.	0.493 in.	23.0 lbs.	36.6 lbs.
1/2"	0.706 in.	0.622 in.	28.5 lbs.	50.6 lbs.
3/4"	0.922 in.	0.824 in.	43.5 lbs.	84.3 lbs.
1"	1.163 in.	1.049 in.	64.0 lbs.	130.3 lbs.
1 1/4"	1.510 in.	1.380 in.	95.0 lbs.	212.3 lbs.
1 1/2"	1.740 in.	1.610 in.	110.0 lbs.	269.8 lbs.
2"	2.197 in.	2.067 in.	140.0 lbs.	401.8 lbs.
2 1/2"	2.875 in.	2.731 in.	205.0 lbs.	579.0 lbs.
3"	3.500 in.	3.356 in.	250.0 lbs.	826.3 lbs.
3 1/2"	4.000 in.	3.834 in.	325.0 lbs.	1098.0 lbs.
4"	4.500 in.	4.334 in.	370.0 lbs.	1364.0 lbs.

Dimensions taken from ANSI™ C80.3-1977.

Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.



ANSI is a trademark of American National Standards Institute, Inc.

Reference

RIGID ALUMINUM CONDUIT				
Nominal Conduit Size	Outside Diameter	Nominal Inside Diameter	Minimum Wt. Per 100 Ft. With Couplings Attached	Weight Of Conduit & Conductors Per 100 Ft.
1/2"	0.840 in.	0.632 in.	27.4 lbs.	49.5 lbs.
3/4"	1.050 in.	0.836 in.	36.4 lbs.	77.2 lbs.
1"	1.315 in.	1.063 in.	53.0 lbs.	119.3 lbs.
1 1/4"	1.660 in.	1.394 in.	69.6 lbs.	186.9 lbs.
1 1/2"	1.900 in.	1.624 in.	82.2 lbs.	242.0 lbs.
2"	2.375 in.	2.083 in.	115.7 lbs.	377.5 lbs.
2 1/2"	2.875 in.	2.489 in.	182.5 lbs.	556.5 lbs.
3"	3.500 in.	3.090 in.	238.9 lbs.	815.2 lbs.
3 1/2"	4.000 in.	3.570 in.	287.7 lbs.	1061.0 lbs.
4"	4.500 in.	4.050 in.	340.0 lbs.	1334.0 lbs.
5"	5.563 in.	5.073 in.	465.4 lbs.	2028.0 lbs.
6"	6.625 in.	6.093 in.	612.5 lbs.	2870.0 lbs.

Dimensions taken from ANSI C80.5-1977.

Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

SCHEDULE 40 PVC PLASTIC PIPE				
Nominal Pipe Size	Outside Diameter	Wall Thickness	Weight Of Pipe	Weight Of Water
1/8"	.405 in.	.068 in.	.04 lbs./ft.	.02 lbs./ft.
1/4"	.540 in.	.088 in.	.07 lbs./ft.	.04 lbs./ft.
3/8"	.675 in.	.091 in.	.10 lbs./ft.	.08 lbs./ft.
1/2"	.840 in.	.109 in.	.15 lbs./ft.	.1 lbs./ft.
3/4"	1.050 in.	.113 in.	.2 lbs./ft.	.2 lbs./ft.
1"	1.315 in.	.133 in.	.3 lbs./ft.	.4 lbs./ft.
1 1/4"	1.660 in.	.140 in.	.4 lbs./ft.	.6 lbs./ft.
1 1/2"	1.900 in.	.145 in.	.5 lbs./ft.	.9 lbs./ft.
2"	2.375 in.	.154 in.	.6 lbs./ft.	1.4 lbs./ft.
2 1/2"	2.875 in.	.203 in.	1.0 lbs./ft.	2.1 lbs./ft.
3"	3.500 in.	.216 in.	1.3 lbs./ft.	3.2 lbs./ft.
3 1/2"	4.000 in.	.226 in.	1.6 lbs./ft.	4.3 lbs./ft.
4"	4.500 in.	.237 in.	1.9 lbs./ft.	5.5 lbs./ft.

Reference

ALL THREADED ROD (ATR)

Nominal Size and Thread	Root Area		Design Load (SF = 5)	
1/4" - 20"	0.027 in.2	0.174 cm2	240 lbs.	1.07 kN
5/16" - 18"	0.045 in.2	0.290 cm2	400 lbs.	1.78 kN
3/8" - 16"	0.068 in.2	0.438 cm2	610 lbs.	2.71 kN

Dimensions taken from ANSI™ B1.1-1982 Unified Inch Screw Threads.

All threads are UNCR series.

Tabulated loads are based on an allowable tensile stress of 12000 psi (82.7 MPa) reduced by 25% resulting in 9000 psi (62 MPa). From ANSI®/MSS SP-58, Table 3.

MC CABLE

AWG Size	INSULATED GROUND	BARE GROUND
	Nominal Outer Diameter in Inches	Nominal Outer Diameter in Inches
14-2 Solid	.450	.430
14-3 Solid	.480	.435
14-4 Solid	.510	.485
12-2 Solid	.495	.465
12-3 Solid	.530	.500
12-4 Solid	.565	.560
10-2 Solid	.560	.520
10-3 Solid	.600	.550
10-4 Solid	.645	.615
8-2 Strd.	.710	.675
8-3 Strd.	.770	.710
8-4 Strd.	.835	.770
6-2 Strd.	.795	.755
6-3 Strd.	.865	.800
6-4 Strd.	.945	.865
4-2 Strd.	.945	.895
4-3 Strd.	1.035	.945
4-4 Strd.	1.135	1.035
2-2 Strd.	1.075	1.015
2-3 Strd.	1.180	1.075
2-4 Strd.	1.295	1.180



ANSI is a trademark of American National Standards Institute, Inc.

Reference

AC CABLE		MINIMUM EXTERNAL DIAMETER OF ARMOR IN INCHES									
		Type Of Armored Cable	Type Of Circuit Conductor	AWG Size Of Circuit Conductors	Cable with Two Circuit Conductors and No Grounding Conductor		Cable with Three Circuit Conductors and No Grounding Conductor and Cable with Two Circuit Conductors and a Grounding Conductor		Cable with Four Circuit Conductors and No Grounding Conductor and Cable with Three Circuit Conductors and a Grounding Conductor		Cable with Four Circuit Conductors and a Grounding Conductor
Solid	Stranded				Solid	Stranded	Solid	Stranded	Solid	Stranded	Solid
ACTMM	THHN	14	0.433		0.453		0.486		0.522		
		12	0.467		0.489		0.520		0.545		
		10	0.476		0.500		0.541		0.587		
		8	0.570	0.604	0.601	0.637	0.654	0.695	0.714	0.759	
		6		0.700	0.739	0.807					
		4		0.836	0.885	0.970					
		2		0.956	1.014	1.115					

The CADDY® Fastener Story

The CADDY Fastener Story

QUALITY CONTROL

CADDY Fasteners, manufactured by ERICO® Inc., are produced from spring steel, galvanized steel, plastic, as well as other materials. We are known in the industry as a leader in the design and production of spring steel fasteners. The following is the story of how we manufacture these quality spring steel fasteners.

MANUFACTURING

The steel for CADDY Fasteners is procured in mill lots to AISI and ERICO Standards; other materials are equally controlled.

LOAD RATING

CADDY Fasteners are designed with two load limits:

- 1) **Static load limit** is a rated stationary load limit for a fastener. ERICO Standards require that test samples withstand a load equal to three times this catalog rating.
- 2) The **ultimate static load limit** is the rated stationary load limit which, if exceeded, may cause failure of the fastener. ERICO Standards require that test samples withstand this catalog rating. Some CADDY Fasteners also are designed with an undefined rating and are to be used for positioning only with no loading on them.
- 3) Applications and load ratings may change without notice. Refer to instruction sheet in box or contact ERICO for current load and application information.

Static load limit and ultimate static load limit values specify maximum allowable installed loads for user applications. These values are for loads applied VERTICALLY to the normal fastener installation except as may be diagrammed otherwise. Where the load rating of the CADDY Fastener exceeds that of the structural member, the lowest rated item must set the load limit.

NOTE: CADDY Fasteners are intended for support of electrical components at stationary loads. Not to be used for dynamic loads such as fluid and gas distribution components, etc.

IMPORTANT

CADDY Fasteners used with wire, rod, or threaded rod are designed for use with coarse round wire, hot rolled carbon steel bar, cold rolled carbon steel bar and threaded rod all meeting AISI specifications and tolerances.

QUALITY ASSURANCE

Incoming steel is sampled and inspected for conformance to AISI specifications and ERICO Standards. Test fixtures and procedures for development and quality control are designed to simulate normal field applications. Fasteners are tested, on a sample basis, to ERICO Standards by certified inspectors.

Testing of specific quantities of fasteners to destruction in special statistical audits ensures a continuous high level of quality.



The CADDY® Fastener Story

HEAT TREATING

CADDY® Spring Steel Fasteners are heat treated in modern shaker hearth furnaces. Precision controls maintain heat treat operations within the established limits developed by ERICO® for CADDY Fasteners. ERICO Standards incorporate consideration of fastener material and application.

CADDY Fasteners are conveyed directly from the high temperature furnace to the quench tank, through a cleaning cycle and into the tempering furnace. The complete heat treat cycle is automatically controlled.

PRODUCTION PRESSES

CADDY Fasteners are produced with modern presses and precision tooling. Presses and tools are designed for close tolerance stamping.

RESEARCH AND DEVELOPMENT

ERICO Research and Development department is constantly working on new fasteners and, at the same time, improving the present line. Starting with six basic fasteners, the line now has several hundred basic types. The majority of the CADDY Fastener line is the result of ERICO development of fasteners to provide a solution for a customer's problem.

NOTE: Special applications not specified MUST be submitted to ERICO for engineering approval and load rating.

All cULus Listed CADDY fasteners meet the requirements of one of the following UL standards: UL1565, UL2239 or UL514B.

Materials/Coatings

CADDY Fasteners, manufactured by ERICO, Inc., are produced from a number of different materials and coatings to accommodate different applications and environments. Among the materials included are low carbon steel, spring steel, malleable iron, aluminum and stainless steel. Protective coatings are available in five basic zinc coatings: zinc phosphate, zinc electroplate, pre-galvanized zinc, mechanical galvanized zinc, hot dipped galvanized and CADDY® COAT.

CADDY® ERISTRUT comes in the following finishes: aluminum, chromate (California) gold, copper, electro galvanized zinc plated, green, hot dip galvanized, pre-galvanized, plain steel, plastic, and stainless steel.

MATERIALS

Spring Steel

Spring steel provides light weight fasteners with high gripping power. These fasteners are designed to support a wide range of products from or to a variety of support members. These fasteners are fabricated from high carbon, annealed, spring steel.

NOTE: Black Spring Steel CADDY Fasteners are designed for indoor and non-corrosive environments. Not to be used in certain areas such as over indoor pools, etc.

The CADDY® Fastener Story

MATERIALS (continued)

Malleable Iron

ANSI/ASTM A 47-77, Grade 32510, annealed.

Aluminum (AL)

Aluminum provides a high strength to weight ratio that improves ease of use for reduced installation costs, is nonmagnetic and provides good corrosion resistance in a variety of environments.

The aluminum selected is designed to meet the fastener manufacturing process and the intended application to meet the loads as specified.

Aluminum products are recommended for indoor and outdoor applications. They may also be used in select corrosive environments.

Stainless Steel (SS)

AISI Type 302 or Type 304 (as noted). Type 316 is available on special request for fasteners as noted.

The above stainless steels belong to the austenitic group and provide many desirable properties including high ambient temperature resistance, corrosion resistance, stable structural properties and are nonmagnetic.

Stainless steel products are recommended for indoor and outdoor applications. They are also recommended for corrosive environments; dependent on the grade of stainless steel.



The CADDY® Fastener Story

COATINGS

Zinc Electroplate, Electrogalvanized (EG)

ANSI/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 up to 0.5 mils. A second passivation coating of chromate is then applied for additional protection.

Zinc electroplate products are recommended for indoor and mildly corrosive applications.

Zinc Phosphate (ZP)

This is the coating system generally used on CADDY spring steel fasteners. It is a two coating system, where the first coating of crystalline zinc phosphate, of over 1000 milligrams per square foot, is designed to increase the adhesion of the second coating. The second coating consists of a synthetic, organic corrosion inhibitor with a particular affinity for zinc compounds. ERICO rates this fastener finish at 30 hours. Salt spray testing is in accordance with ASTM B117-61, Federal Test Number QQM-151.

NOTE: Black Spring Steel CADDY Fasteners are designed for indoor and non-corrosive environments. Not to be used in certain areas such as over indoor pools, etc. Other finishes are used and may be suitable for indoor and outdoor applications where EMT conduit is used.

Pregalvanized Zinc (PG)

ANSI/ASTM A 525 and 526

Pregalvanized 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.

Pregalvanized zinc products are generally recommended for indoor use on mildly corrosive environments.

Mechanical Galvanized Zinc (EPZ)

ASTM B 695 -90

Mechanical galvanized zinc is a method of depositing zinc using mechanical forces. The resulting layer of zinc is approximately 1 mil (25 microns), is passivated with clear chromate and then sealed with a transparent sealer.

Mechanical galvanized zinc products are recommended for indoor, outdoor and mildly corrosive environments.

Hot Dipped Galvanized Zinc (HDG)

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 dipped galvanized zinc products are recommended for indoor, outdoor and mildly corrosive environments.

IMPORTANT: For more detailed information on a specific product, application or application environment, please contact ERICO Engineering.

The CADDY® Fastener Story



**The first full line of
spring steel fasteners
to exceed the most
stringent corrosion
requirements of UL 2239.**

CADDY® COAT

CADDY COAT is the standard finish used on most spring steel and many mild steel CADDY Fasteners*. The finish consists of a two-part coating, a base coat and a topcoat. The base coat of zinc phosphate aids in corrosion resistance and increases the adhesion of the topcoat. The organic top coat provides superior corrosion resistance.

The system was evaluated in a 500-hour saltspray test per ASTM D610, "Standard Test Methods for Evaluating the Degree of Rusting on Painted Steel Surfaces". The testing conformed to ASTM B117, "Standard Method of Salt Spray (Fog) Testing". In addition, CADDY® COAT exceeds the corrosion requirements of proposed UL 2239, "Conduit, Tubing and Cable Support Hardware Standard".

CADDY COAT replaces phosphate and oil, providing a cleaner installation and consistent appearance resulting in improved corrosion resistance.

*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. Not to be used in certain areas such as over indoor pools, etc.



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0505010EG111	★ 16MB182469	★ 2BRT20173
★ 12287	★ 16MB185869	★ 2BRT32173
★ 1224TI87	★ 16MB18669	★ 2BRT8173
★ 1226A87	★ 16MB18A69	★ 2EBN117
★ 1226T87	★ 16MF132	2FMP28172
★ 1226TI87	16P51	▲ 2G9181
★ 12270887	16P16P58	▲ 2G9S10181
★ 12387	16P2454	★ 2H481
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★ 12316M87	16P4I51	3000050EG94
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12P24SM54	200RS500104	★ 32M5853
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