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**Numerous Additional Connection Options Available.
Contact Customer Service
or
View the BURNDY Substation Catalog for
Additional Information**

Fundamentals of BURNDY Substation Catalog Numbering System


Fundamentals of BURNDY Substation Catalog Numbering System:

Over the years, BURNDY has established an alpha-numeric catalog numbering system/structure to help describe a connector's specific use/application and type or features about the connector. This resource section should be used as a catalog numbering guideline. Over the years there have been many exceptions made to the BURNDY Substation Catalog Number System Structure.

The basic anatomy of a catalog number is dependent on the product family, as each family of connectors has different uses / applications and types / features. Because each product family has different uses and types, each product family's numbering scheme may have different attributes to help describe the connector. Below are a few examples of the basic alpha-numeric catalog numbering structure for six different product families.

Terminal / Tap

| Product Family | | | |
|----------------|-----------|-----|--------|
| Family | Conductor | Pad | Suffix |
| NA | 19 | A4 | |

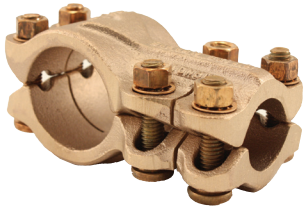


Catalog number structure

NA19A4

T-Connector

| Product Family | | | |
|----------------|-----|-----|--------|
| Family | Run | Tap | Suffix |
| NT | 16 | 34 | |

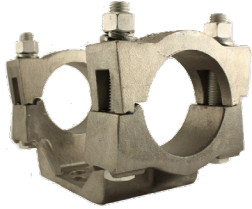


Catalog number structure

NT1634

Bus Support

| Product Family | | | |
|----------------|-----------|-------------|--------|
| Family | Conductor | Bolt Circle | Suffix |
| UHG | 20A | 3 | |

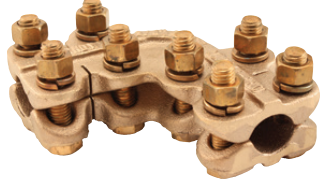


Catalog number structure

UHG20A3

Coupler

| Product Family | | | |
|----------------|-----|-----|--------|
| Family | Run | Tap | Suffix |
| NL | 15 | 15 | HC |

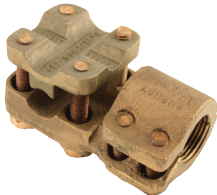


Catalog number structure

NL1515HC

Stud Connector

| Product Family | | | |
|----------------|------|-----------|--------|
| Family | Stud | Conductor | Suffix |
| NDR | 655 | 34 | T12 |




Catalog number structure

NDR65534T12

Spacer

| Product Family | | | |
|----------------|-----------|---------|--------|
| Family | Conductor | Spacing | Suffix |
| CP | 40A | L4 | |



Catalog number structure

CP40AL4

BURNDY Catalog Numbering Alpha Character Designations

BURNDY Catalog Numbering Alpha Character Designations:

Having a fundamental understanding of the alpha character designations is important when trying to interpret the product family, which typically identifies the connector's "use" and "type". Because some alpha characters are used more than once to represent different meanings or as a place holders for product differentiation, it is important that this section be used as a guideline. Some alpha characters have two meanings, they can represent a connector's "use" or "type". A "use" designation (white background) would indicate the application the connector would be used in. A "type" designation (blue background) would indicate features about the connector to help describe the connector's function. Some catalog numbers have both "use" and "type" letters combined.

| | | | | | |
|--|--|-------------------------------|---------------------------------------|-------------------------------|-------------------------|
| Terminal A | Tap B | Center Pad C | Stud Module D | Inline Coupler E | Flat Bar F |
| Grounding Stud G | Bus Support H | Heavy Duty H | Cable Expansion K | Elbow L | Body & Cap N |
| Ring shape (for Bus Sup.) O | Coupler P | Range Taking R | Streamlined S | Sliding Expansion S | T-Connector T |
| U-Shape U | V-Bolt (Clamping Element) V | Vertical Bus Sup. V | Weldment (Compression) W | Expansion X | Compression Y |

Catalog Number Conductor Identification

Catalog Number Conductor Identification:

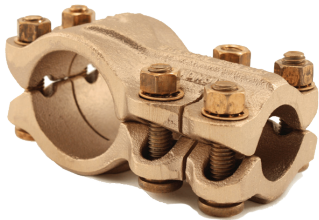
Non-Range Taking Connectors:

Typically, following the product family is the conductor size. Depending on the connector family, some connectors accommodate more than one conductor and may list two conductor sizes in the catalog number.

Range Taking Connectors:

Many substation connectors have range taking features. Range taking features allow a connector to accommodate various sizes of conductors. When a connector has a range taking feature, the catalog number will identify the largest conductor that the connector can accommodate.

Examples:



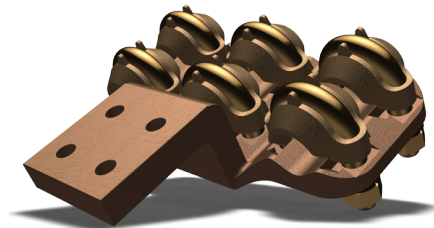
NT1514 (Non-Range Taking)

N = Cap & Body

T = T-Connector

15 = 1.00" IPS

14 = 3/4" IPS



VV3A4044N (Range Taking)

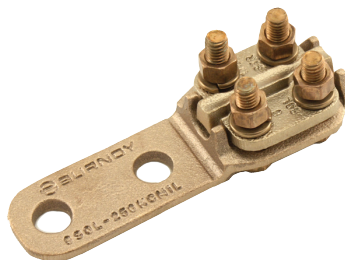
VV3 = V-Bolt (accommodating 3 conductors)

A = Terminal

40 = 800 kcmil*

44N = 4" pad with 4 hole NEMA drilling

*Range is 500 - 800 kcmil



NAS29N (Range Taking)

N = Cap & Body

A = Terminal

S = Streamline

29 = 250 kcmil*

2N = 2 hole NEMA pad

*Range is 6 AWG - 250 kcmil



NVTT1846 (Range Taking)

N = Cap & Body

V = V-Bolt

TT = T-Connector (2 "T" for 2 V-Bolts)

18 = 2.00" IPS (Non-Range Taking)

46 = 1000 kcmil* (Range Taking)

*Range is 1000 - 1500 kcmil

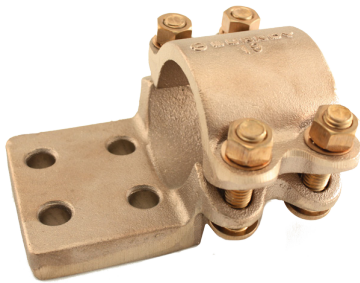
BURNDY offers Substation connectors that can accommodate aluminum or copper pipe tubing and aluminum or copper cable and in some cases both pipe and cable conductor.

Connector Material Identification

Connector Material Identification:

Following the conductor size in the catalog number is typically the material designation. When the conductor size is followed by the letter "A", this typically indicates that the connector is made from aluminum. When the conductor is not followed by the letter "A", this indicates that the connector is made of copper or bronze material. Note that in some cases the "A" is not used in the catalog number for aluminum. BURNDY offers Substation connectors that can accommodate aluminum or copper pipe tubing and aluminum or copper cable.

Examples:



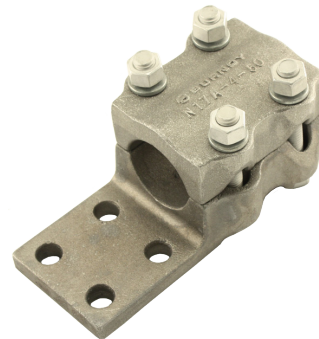
NA194N - Copper Terminal

N = Cap & Body

A = Terminal

19 = 2.50" IPS

4N = 4 hole NEMA pad



NA19A4N - Aluminum Terminal

N = Cap & Body

A = Terminal

19 = 2.50" IPS

A = Aluminum

4N = 4 hole NEMA pad



NS1414HC - Copper Coupler

N = Cap & Body

S = Streamline

14 = 3/4" IPS

14 = 3/4" IPS

HC = Hex Captured Hardware



NS14A14A - Aluminum Coupler

N = Cap & Body

S = Streamline

14 = 3/4" IPS

A = Aluminum

14 = 3/4" IPS

A = Aluminum

Terminal Pad Configurations and Catalog Number Designations

Terminal Pad Configurations & Catalog Number Designations:

Typically, at the very end of the catalog number is the pad configuration, unless there is a suffix. Terminal pads also have alpha-numeric designations to describe the pad configuration. The standalone or first number describes the number of holes and the second number describes the terminal pad width. The "N" following the number(s) indicates that the pad is a NEMA drilled pad. NEMA is a standard that defines the hole diameters and hole spacing. The table shows the most common terminal pad configurations and the catalog numbering identification alpha-numeric scheme.

| Pad description block (regular) | Pad description block (FDs) | Figure | Holes configuration | C - Pad width |
|---------------------------------|-----------------------------|--------|---------------------|---------------|
| 2N | B | 1 | 2 holes NEMA | - |
| 4N | - | 2 | 4 holes NEMA | - |
| 34N | C | 2 | 4 holes NEMA | 3" |
| 44N | D | 3 | 4 holes NEMA | 4" |
| 6N | - | 4 | 6 holes NEMA | - |
| 56N | E | 4 | 6 holes NEMA | 5" |
| 66N | F | 5 | 6 holes NEMA | 6" |

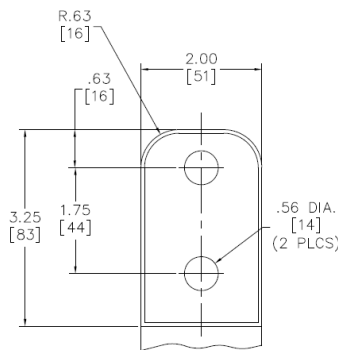


Figure 1

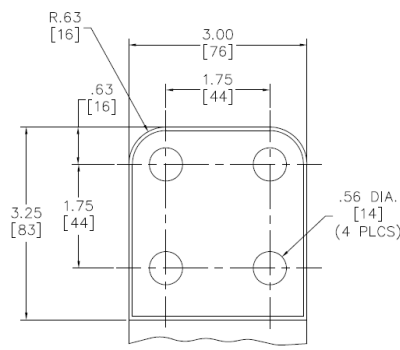


Figure 2

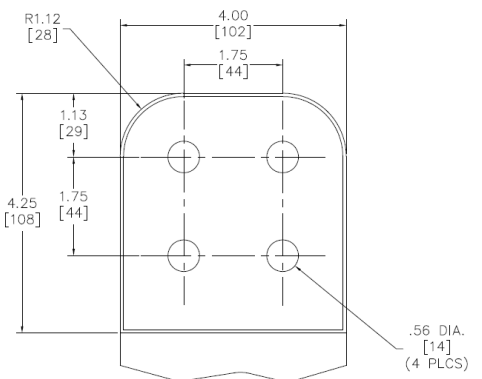


Figure 3

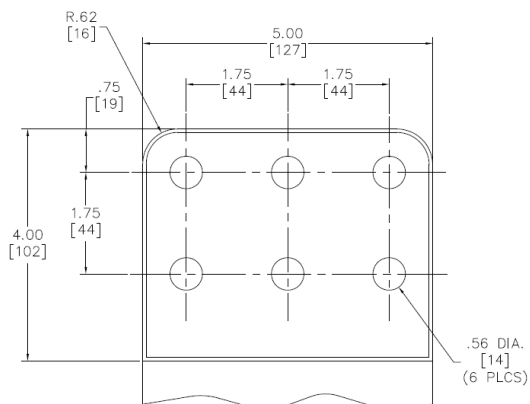


Figure 4

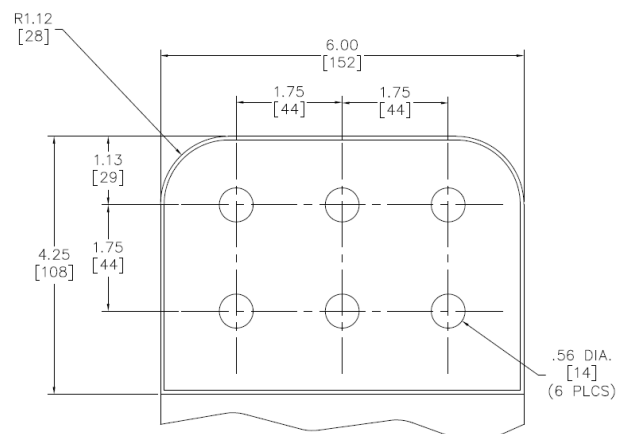


Figure 5

Catalog Number Suffixes Plating, Hardware, Etc.

Catalog Number Suffixes:

Many catalog numbers have a suffix to provide additional information. The suffix could identify plating, hardware, operating voltages for streamlined connectors, etc. Below are tables listing the most common suffixes.

Plating Suffixes:

This table lists the most common plating suffixes found in the BURNDY Substation connector line.

Example: NAS292N vs. NAS292NTN (Tin plated version of the copper connector)

| | |
|-------|--|
| -TN | Electro tin plating |
| -BRTN | Bright electro tin plating |
| -W | Heavy duty electro tin plating (incl. hardware) |
| -SV | Silver plating |
| -NK | Nickel plating |
| -Q | Pad is finished on both sides (used in conjunction with other plating suffix) |

Hardware Suffixes:

This table lists the most common hardware suffixes found in the BURNDY Substation connector offering. A catalog number with no hardware suffix will include the standard hardware for both copper and aluminum connectors.

Example: NNE14A34A vs. NNE14A34ASS (Coupler with Stainless Steel hardware)

| | |
|-----|---------------------------|
| -GS | Galvanized Steel hardware |
| -SS | Stainless Steel hardware |
| -BW | Belleville Washer |
| -CH | Antistatic Chatter Spring |
| -HC | Hex Captured hardware |

Operating Voltage for Streamlined Connector Suffixes:

This table lists the most common operating voltage suffixes found in the BURNDY Substation offering.

Example: SNNE86A445A vs. SNNE86A445AS3 (S3 designates the terminal is rated for 345kV)

| | |
|-----|---|
| -S3 | 345kV rating |
| -K | cable versions for expansion items, 345kV |
| -S7 | 765V rating |

G# and CG# Suffixes:

G# and CG# suffixes are used when a customer requests a connector that is similar to a product in the standard product offering, but deviates to be a standalone product within a particular family. To name these “special” connectors, BURNDY will add a G# or CG# suffix.

Example: NNE14A34AG1 or NNE14A34ACG1

Stud Connector Catalog Numbering

Stud Connector Catalog Numbering:

Stud connectors have a different catalog numbering system in comparison to the other product families previous mentioned.

Examples:

| Family | Stud Diameter | Pad Size | Pad thickness (in 1/16 of an inch) | Threads per inch of the stud (if different than 12) |
|-----------|---------------|----------------|------------------------------------|---|
| FD | 70 | D | 12 | T14 |
| Stud | 3" Stud | 4"x4" NEMA pad | 12/16 = 3/4" thick tongue | 14 threads per inch |

FD70D12T14

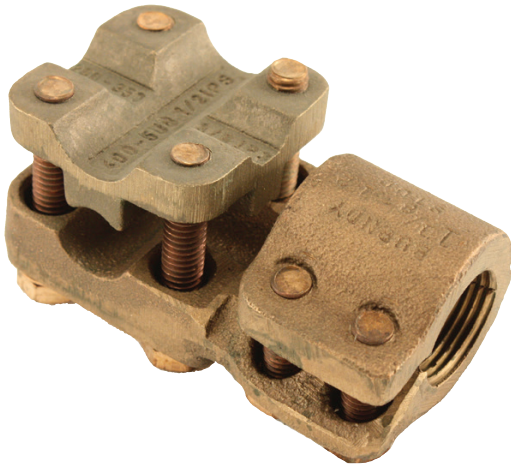
- F = Flat bar
- D = Stud module
- 70 = 3" Stud size
- D = Pad size per Pad Description block
- 12 = Tongue thickness (12/16" = 3/4" thick)
- T14 = 14 Threads per inch



| Family | Stud Diameter | Conductor | Threads per inch of the stud (if different than 12) |
|------------|---------------|-----------|---|
| NDR | 63 | 28 | T13 |
| Stud | 1/2" Stud | 4/0 | 13 threads per inch |

NDR6328T13

- N = Body & Cap
- D = Stud module
- R = Range taking
- 63 = 1/2" Stud size
- 28 = 4/0 (Range 6 AWG - 4/0)
- T13 = 13 Threads per inch



Transformer Tap Adapters

Transformer Tap Adapters, Type FCB for Copper and Aluminum Tap to Pad

Material: Copper

Cast in one piece from copper alloy. Transformer tap adapter designed to accommodate from 1 to 6 NEMA drilled copper or aluminum terminal taps from a single secondary transformer outlet. Tin-plated. Order mounting hardware and tap terminals separately.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

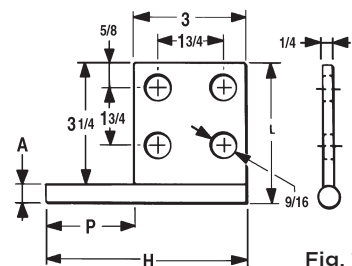


Fig. 1

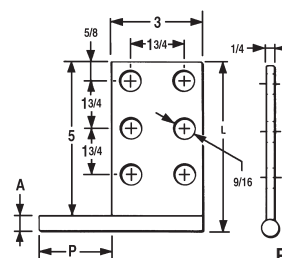


Fig. 2

| Catalog Number | Fig. No. | A Diameter | H Ref. | L | P |
|----------------|-----------|------------|--------|------|------|
| FCB634N | 1 | 0.50 | 5.25 | 3.75 | 2.25 |
| FCB636N | 2 | 0.50 | 5.25 | 5.50 | 2.25 |
| FCB644N | 1 | 0.75 | 5.75 | 4.00 | 2.75 |
| FCB646N | 2 | 0.75 | 5.75 | 5.75 | 2.75 |
| FCB654N | 1 | 1.00 | 7.00 | 4.25 | 4.00 |
| FCB632NP300 | Not Shown | 0.50 | 5.00 | 3.50 | 3.00 |
| FCB644NP50 | Not Shown | 0.75 | 9.00 | 5.00 | 5.00 |

NOTE: All pads are NEMA drilled.

Tap Adapters, Type E-C-G for Copper Cable to Tap

Material: Copper Alloy

Multi-tap, range-taking cast copper alloy connector designed to take 2, 3 or 4 conductors from a single secondary transformer outlet.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

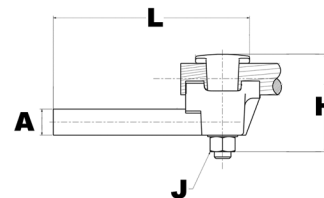
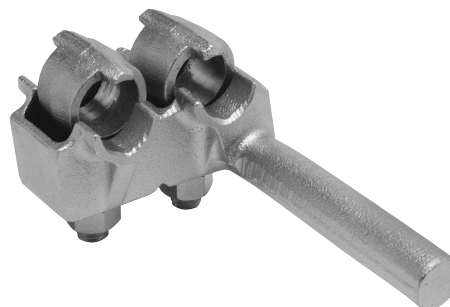


Fig.1

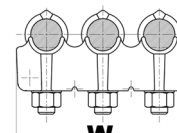


Fig.2

| Catalog Number | Number of Conductors | Conductor Size | A Dia. | H | J | L | W |
|----------------|----------------------|----------------|--------|------|-----|------|------|
| E2C34G1 | 2 | 1/0 -500 kcmil | 0.78 | 3.88 | 1/2 | 6.25 | 3.50 |
| E3C34G1 | 3 | | | | | | 5.25 |
| E4C34G1 | 4 | | | | | | 6.88 |

Bolted Terminals, Copper Pipe or Cable to Pad

Bolted Terminals, Type NBXR for Copper Pipe or Cable to Pad

Material: Copper Alloy

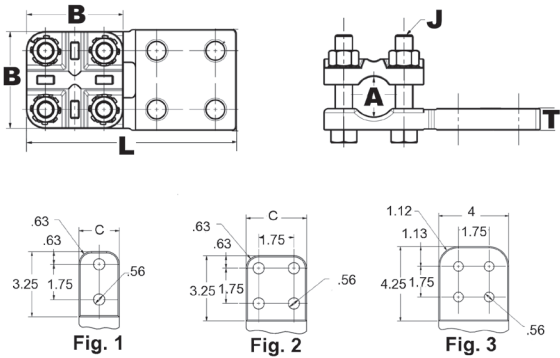
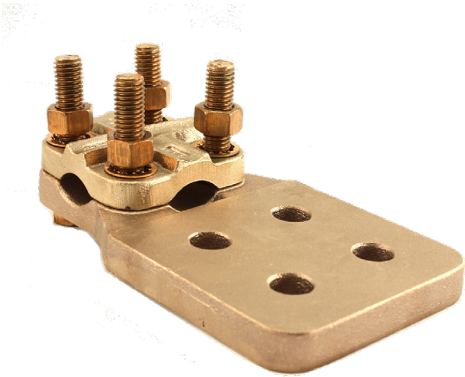
Hardware: DURIMUM™ Silicon Bronze

One of the most versatile products available. Can be used in Terminal or Tap configuration with a large variety of cable and pipes.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability



| Catalog Number | Fig. # | Stranded Copper Cable | Copper Pipe (Std or EH) | B | T | L | C | J Dia. |
|----------------|--------|-----------------------|-------------------------|------|------|------|------|--------|
| NBXR1534NHQ | 2 | 1/0 AWG-1250 kcmil | 1/4 IPS -1 IPS | 2.88 | 0.62 | 6.25 | 3.00 | 1/2 |
| NBXR1544NHQ | 3 | | | | | 7.19 | 4.00 | |
| NBXR15CG1 | 2 | | | | | 6.25 | 3.00 | |

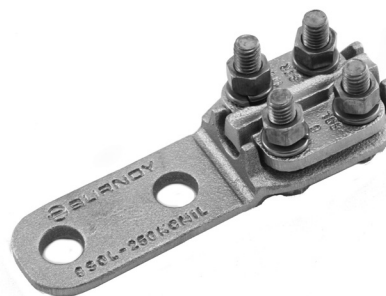
Bolted Terminals, Copper Cable to Pad

Bolted Terminals, Type NAS for Copper Cable to Pad

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy reversible cap terminal for joining a wide range of cable to pads. Tongue is side formed to provide adequate clearance and terminal is designed for one-wrench installation.



Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.

Please contact factory for other sizes, combinations and availability.

See NAH family for heavy duty versions.

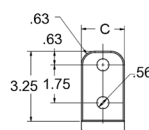
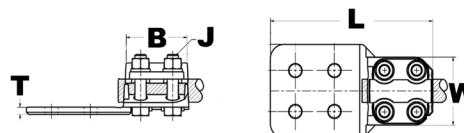


Fig. 1

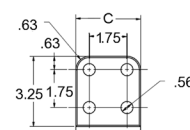


Fig. 2

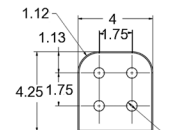


Fig. 3

| Catalog Number | Fig. # | Copper Stranded Range | Copper Solid Range | B | J Dia. | L | C | T | W |
|----------------|--------|-----------------------|--------------------|------|--------|------|------|------|------|
| NAS292N | 1 | 6 AWG-250 kcmil | 6 AWG-4/0 AWG | 2.38 | 3/8 | 5.62 | 1.50 | 0.25 | 2.00 |
| NAS2934N | 2 | | | 2.38 | 3/8 | 5.62 | 3.00 | 0.25 | 2.00 |
| NAS29N | - | | | 2.38 | 3/8 | 3.88 | 1.25 | 0.25 | 2.00 |
| NAS342N | 1 | 1/0 AWG-500 kcmil | 1/0 AWG-4/0 AWG | 2.38 | 3/8 | 5.62 | 2.00 | 0.31 | 2.20 |
| NAS3434N | 2 | | | 2.38 | 3/8 | 5.62 | 3.00 | 0.25 | 2.20 |
| NAS34N | - | | | 2.38 | 3/8 | 4.12 | 1.50 | 0.25 | 2.20 |
| NAS40-2N | 1 | 2/0 AWG-800 kcmil | 2/0 AWG-4/0 AWG | 2.62 | 3/8 | 5.88 | 2.00 | 0.38 | 2.44 |
| NAS4034N | 2 | | | 2.62 | 3/8 | 5.88 | 3.00 | 0.31 | 2.44 |

Bolted Terminals, Copper Tube to Pad

Bolted Terminals, Type NA for Copper Tube to Pad

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy terminal for joining copper tube to a flat pad. Letter "N" on end of catalog number indicates pad drilled to NEMA standards. One-wrench installation.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.

Please contact factory for other sizes, combinations and availability.

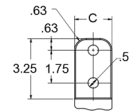
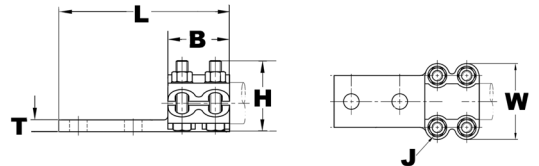


Fig. 1

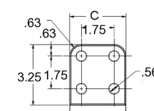


Fig. 2

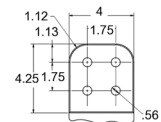


Fig. 3

| Catalog Number | Fig. # | Copper Pipe (Std or EH) | B | J Dia. | L | H | C | T | W |
|----------------|--------|-------------------------|------|--------|------|------|------|------|------|
| NA122N | 1 | 3/8 IPS | 1.38 | 3/8 | 3.75 | 1.50 | 1.50 | 0.25 | 2.13 |
| NA132N | 1 | 1/2 IPS | 2.00 | | 5.25 | 1.75 | 1.50 | 0.38 | 2.25 |
| NA142N | 1 | 3/4 IPS | | | 5.25 | 2.00 | 1.63 | 0.38 | 2.44 |
| NA144N | 2 | | | | 4.50 | 2.00 | 3.13 | 0.38 | 2.44 |
| NA152N | 1 | 1 IPS | | | 5.25 | 2.06 | 1.88 | 0.38 | 2.75 |
| NA154N | 2 | | | | 5.25 | 2.06 | 3.00 | 0.38 | 2.75 |
| NA164N | 2 | 1 1/4 IPS | | 2.69 | 1/2 | 5.94 | 2.56 | 3.00 | 0.44 |
| NA172N | 1 | 1 1/2 IPS | 5.94 | | | 2.75 | 2.50 | 0.50 | 3.94 |
| NA174N | 2 | | 5.94 | | | 2.75 | 3.00 | 0.50 | 3.94 |
| NA1744NHQ | 3 | 2 1/2 IPS | 7.07 | | | 3.09 | 4.00 | 0.50 | 3.82 |
| NA184N | 2 | | 5.94 | | | 3.13 | 3.13 | 0.50 | 4.63 |
| NA1944N | 3 | | 7.19 | | | 3.74 | 4.00 | 0.69 | 5.24 |
| NA194N | 2 | | 5.94 | 3.69 | 3.75 | 0.69 | 5.25 | | |
| NA194N90CG2 | 2 | 2 1/2 IPS | 6.50 | 3.62 | 3.75 | 0.69 | 5.25 | | |
| NA214N | 2 | 3 1/2 IPS | 3.25 | 5/8 | 6.56 | 4.94 | 4.75 | 0.81 | 6.81 |
| NA224N | 2 | 4 IPS | | | 6.56 | 5.50 | 5.25 | 0.81 | 7.44 |

Bolted Terminals, Copper Cable to Pad

Bolted Terminals, Type NAH for Copper Cable to Pad

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

Copper alloy terminal for joining a wide range of cable to equipment pads. Tongue is side formed to provide adequate clearance and terminal is designed for one-wrench installation.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.

Please contact factory for other sizes, combinations and availability

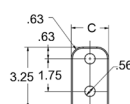
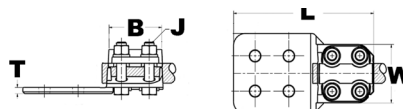
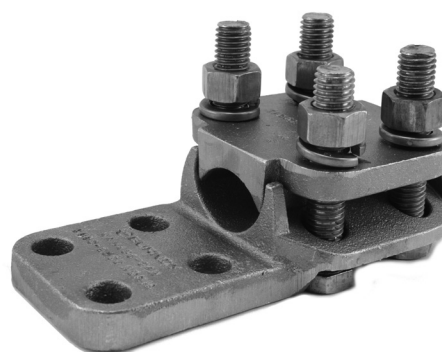


Fig. 1

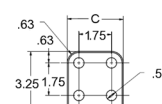


Fig. 2

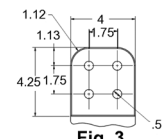


Fig. 3

| Catalog Number | Fig. # | Copper Stranded Range | Copper Solid Range | B | J Dia. | L | C | T | W | |
|----------------|--------|-----------------------|--------------------|--------------------|--------|------|------|------|------|------|
| NAH292N | 1 | 6 AWG-250 kcmil | 6 AWG-4/0 AWG | 2.62 | 1/2 | 5.88 | 1.50 | 0.25 | 2.44 | |
| NAH2934N | 2 | | | | | | 3.00 | | | |
| NAH342N | 1 | 1/0 -500 kcmil | 1/0 AWG-4/0 AWG | | | | 2.00 | 0.31 | 2.56 | |
| NAH3434N | 2 | | | | | | 3.00 | 0.25 | | |
| NAH402N | 1 | 2/0 AWG-800 kcmil | 3/0 AWG-4/0 AWG | | | | 2.00 | 0.38 | 2.81 | |
| NAH4034N | 2 | | | | | | 3.00 | 0.31 | | |
| NAH4044N | 3 | | | 6.88 | | 4.00 | | | | |
| NAH442N | 1 | | | 4/0 AWG-1000 kcmil | | N/A | 2.88 | 6.12 | 2.00 | 0.44 |
| NAH4434N | 2 | 3.00 | 0.38 | | | | | | | |
| NAH4444N | 3 | 7.12 | 4.00 | | | | 0.31 | | | |
| NAH4634N | 2 | 1000 kcmil-1500 kcmil | 3.06 | 6.31 | | | 3.00 | 0.41 | 3.19 | |
| NAH482N | 1 | 500 kcmil-2000 kcmil | 3.25 | 6.50 | | | 2.00 | 0.69 | 3.38 | |
| NAH4834N | 2 | | | | 3.00 | | 0.50 | | | |
| NAH4844N | 3 | | | | 7.50 | | 4.00 | 0.44 | | |
| NAH4862N | 1 | 2000 kcmil-2500 kcmil | | 3.75 | 5/8 | | 7.12 | 3.00 | 0.63 | 3.96 |
| NAH48634N | 2 | | | | | | | | | |

Bolted Terminals, Two Copper Cables to Pad

Bolted Terminals, Type N2AH for Two Copper Cables to Pad

Material: Copper Alloy

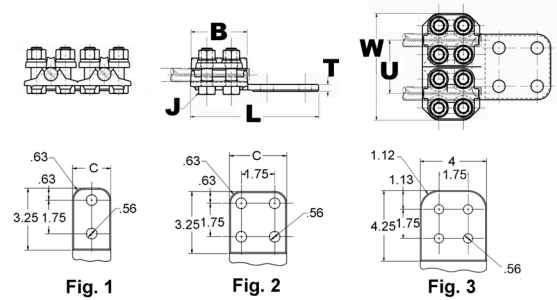
Hardware: DURIMUM™ Silicon Bronze

High copper alloy reversible cap terminal for joining a wide range of cable to pads. Tongue is side formed to provide adequate clearance and terminal is designed for one wrench installation.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.

Please contact factory for other sizes, combinations and availability.



| Catalog Number | Fig. # | Copper Stranded Range | Copper Solid Range | B | J Dia. | L | C | T | W | U |
|----------------|--------|-----------------------|--------------------|------|--------|------|------|------|------|------|
| N2AH2934N | 2 | 6 AWG-250 kcmil | 6 AWG-4/0 AWG | 2.62 | 1/2 | 5.87 | 3.00 | 0.32 | 4.88 | 2.44 |
| N2AH342N | 1 | 1/0 AWG-500 kcmil | 1/0 AWG-4/0 AWG | 2.62 | 1/2 | 5.87 | 2.00 | 0.32 | 5.44 | 2.88 |
| N2AH3434N | 2 | 1/0 AWG-500 kcmil | 1/0 AWG-4/0 AWG | 2.63 | 1/2 | 6.13 | 3.00 | 0.38 | 5.40 | 2.88 |
| N2AH3444N | 3 | 1/0 AWG-500 kcmil | 1/0 AWG-4/0 AWG | 2.63 | 1/2 | 7.00 | 4.00 | 0.38 | 5.38 | 2.88 |
| N2AH4434N | 2 | 4/0 AWG-1000 kcmil | 4/0 AWG | 2.88 | 1/2 | 6.38 | 3.00 | 0.50 | 6.12 | 3.12 |
| N2AH4444N | 3 | 4/0 AWG-1000 kcmil | 4/0 AWG | 2.88 | 1/2 | 7.32 | 4.00 | 0.50 | 6.12 | 3.12 |
| N2AH4444NHQ | 3 | 4/0 AWG-1000 kcmil | 4/0 AWG | 2.88 | 1/2 | 7.20 | 4.00 | 0.50 | 6.12 | 3.12 |
| N2AH4644N | 3 | 1000 kcmil-1500 kcmil | N/A | 3.07 | 1/2 | 7.46 | 4.00 | 0.75 | 6.50 | 3.36 |
| N2AH4844N | 3 | 1000 kcmil-1500 kcmil | N/A | 3.25 | 1/2 | 7.62 | 4.00 | 0.75 | 9.50 | 4.00 |

VARILUG™ Terminals, Copper Cable to Pad

VARILUG™ Terminals, Type VVA for Copper Cable to Pad

Material: Bronze Alloy

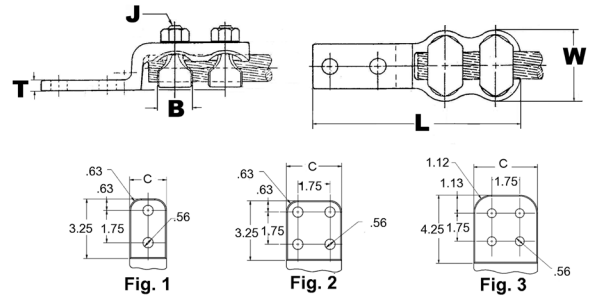
Hardware: DURIMUM™ Silicon Bronze

High copper alloy terminal for joining a wide range of cable to equipment pads or bar. Particularly suitable for use on extra flexible cable. One-wrench installation.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability



| Catalog Number * | Fig. # | Copper Stranded Range | Copper Solid Range | C | B | J Dia. | L | T | W |
|------------------|--------|-----------------------|--------------------|------|------|--------|------|------|------|
| VVA25 | — | 6 AWG-1/0 | 6 AWG-1/0 AWG | 0.88 | 0.88 | 3/8 | 4.31 | 0.25 | 1.19 |
| VVA28 | — | 1/0 AWG-4/0 AWG | 1/0 AWG-4/0 AWG | 1.06 | 1.09 | 3/8 | 4.13 | 0.31 | 1.69 |
| VVA282N | 1 | | | 1.06 | 1.09 | 3/8 | 6.19 | 0.31 | 1.69 |
| VVA302N | 1 | 300 kcmil | 1/0 AWG-4/0 AWG | 1.13 | 1.09 | 7/16 | 6.56 | 0.31 | 1.94 |
| VVA34 | — | 300 kcmil-500 kcmil | N/A | 1.38 | 1.31 | 1/2 | 5.31 | 0.38 | 2.25 |
| VVA342N | 1 | | | 1.30 | 1.31 | 1/2 | 6.88 | 0.38 | 2.22 |
| VVA344N | 2 | | | 3.13 | 1.31 | 7/16 | 7.00 | 0.38 | 2.38 |
| VVA40 | — | 500 kcmil-800 kcmil | | 1.63 | 1.34 | 9/16 | 6.38 | 0.38 | 2.63 |
| VVA402N | 1 | | | 1.62 | 1.34 | 9/16 | 7.69 | 0.38 | 2.62 |
| VVA404N | 2 | | | 3.00 | 1.34 | 9/16 | 7.69 | 0.38 | 2.62 |
| VVA404NCG1 | — | | | 3.50 | 0.88 | 9/16 | 7.69 | 0.38 | 2.62 |
| VVA442N | 1 | 750 kcmil-1000 kcmil | | 1.88 | 1.41 | 5/8 | 8.12 | 0.50 | 2.88 |
| VVA444N | 2 | | | 3.00 | 1.41 | 5/8 | 8.06 | 0.50 | 2.88 |
| VVA462N | 1 | 1000 kcmil-1500 kcmil | | 2.25 | 2.00 | 5/8 | 8.69 | 0.56 | 3.25 |
| VVA464NCG2 | — | | 3.50 | 2.00 | 5/8 | 8.75 | 0.56 | 3.25 | |
| VVA464NCG4 | — | | 3.50 | 2.00 | 5/8 | 5.50 | 0.56 | 3.23 | |

* "N" indicates NEMA standard stud holes.

VARILUG™ Terminals, Two Copper Cables to Pad

VARILUG™ Terminals, Type VV2A Two Copper Cables to Pad

Material: Copper Alloy

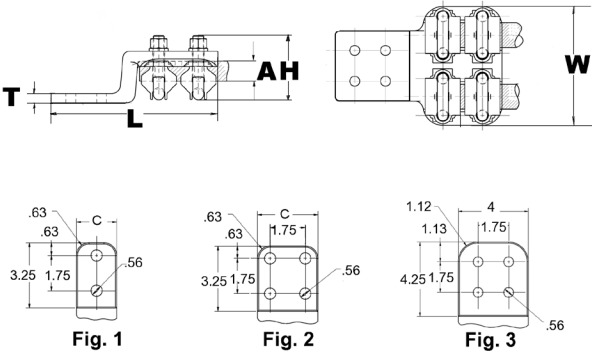
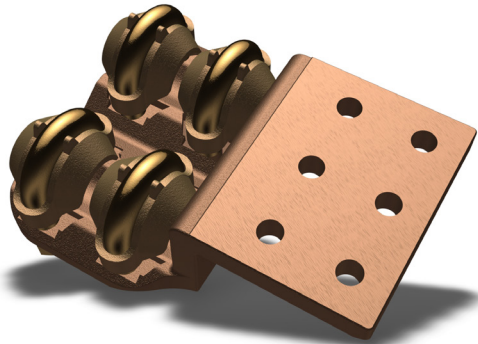
Hardware: DURIMUM™ Silicon Bronze

Twin V elements to secure joint against vibration and flexing. Particularly recommended for use on extra flexible cables. One-wrench installation.

Notes :

Plated versions: add the required suffix to the catalog number.
-TN for regular tin plating

Please contact factory for other sizes, combinations and availability



| Catalog Number | Fig. # | Copper Stranded Range | L | C | T | W | H |
|----------------|--------|-----------------------|------|------|------|------|------|
| VV2A34CG1 | 2 | 300 kcmil-500 kcmil | 5.75 | 3.00 | 0.38 | 5.12 | 2.62 |
| VV2A4044N | 3 | 500 kcmil-800 kcmil | 9.06 | 4.00 | 0.50 | 5.56 | 1.75 |
| VV2A46CG1 | 2 | 1000 kcmil-1500 kcmil | 8.75 | 3.50 | 0.56 | 6.75 | 4.00 |

VARILUG™ Terminals, Three Copper Cables to Pad

VARILUG™ Terminal, Type VV3A Three Copper Cables to Pad

Material: Copper Alloy

Hardware: DURIUM™ Silicon Bronze

Type VV3A has three V elements to secure joint against vibration and flexing. Particularly recommended for use on extra flexible cables. One-wrench installation.

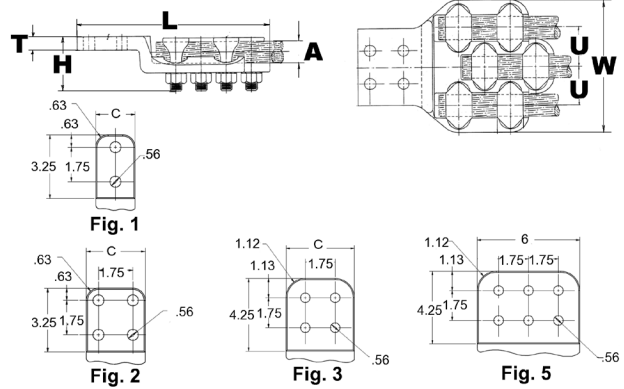


Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

Items with -90 and -45 have oriented pad, respectively 90° and 45°



| Catalog Number | Fig. # | Copper Stranded Range | T | Pad Angle | L | C | H | U | W |
|----------------|--------|-----------------------|------|-----------|-------|------|------|------|-------|
| VV3A46CG1 | 2 | 1000 kcmil-1500 kcmil | 0.84 | — | 8.75 | 3.50 | 3.79 | 3.52 | 10.25 |
| VV3A46CG2 | 2 | | 0.63 | — | 10.19 | 5.25 | 3.93 | 3.50 | 10.25 |
| VV3A46CG3 | 2 | | 1.28 | 90° | 5.84 | 5.25 | 6.28 | 3.50 | 10.25 |

Aluminum Terminals, Cable to Pad

Aluminum Terminals, Type NAR for Cable to Pad

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy bolted type terminal for joining aluminum cable to copper or aluminum pads. Drilling in pad conforms to NEMA Standards. PENETROX™ joint compound recommended on contact surfaces.

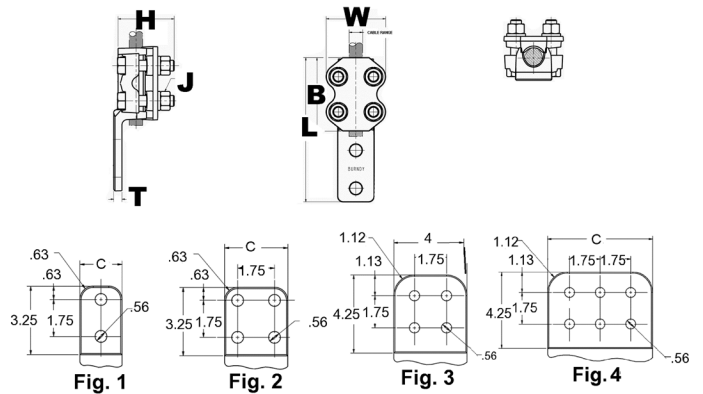
Notes :

Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates; Please contact BURNDY Technical Support for recommendations

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations, and availability

One wrench installation



| Catalog Number | Fig. # | Aluminum Stranded | Aluminum ACSR | B | J Dia. | L | H | C | T | W |
|----------------|--------|-----------------------|--|------|--------|------|------|------|------|------|
| NAR25A2N | 1 | 4 AWG-1/0 AWG | 4 (6/1) Swan AWG-1/0 (6/1) Raven AWG | 2.00 | 1/2 | 5.10 | 2.72 | 1.25 | 0.31 | 2.28 |
| NAR29A2N | 1 | 1/0 AWG-250 kcmil | 1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG | 2.75 | 1/2 | 6.06 | 2.75 | 1.38 | 0.31 | 2.50 |
| NAR29A4N | 2 | | 2.88 | 1/2 | 6.06 | 2.75 | 3.00 | 0.31 | 3.00 | |
| NAR32A2N | 1 | 250 kcmil-400 kcmil | 4/0 (6/1) Penguin AWG-397.5 (30/7) Larkspur kcmil | 3.00 | 1/2 | 6.31 | 2.88 | 1.63 | 0.38 | 2.63 |
| NAR32A4N | 2 | | 4/0 (6/1) Penguin AWG-397.5 (30/7) Larkspur kcmil | 3.00 | 1/2 | 6.31 | 2.88 | 3.00 | 0.38 | 3.00 |
| NAR36A2N | 1 | 350 kcmil-600 kcmil | 336.4 (30/7) Oriole kcmil-477. (30/7) Hen kcmil | 3.25 | 1/2 | 6.63 | 2.81 | 1.69 | 0.38 | 2.75 |
| NAR36A4N | 2 | | 336.4 (30/7) Oriole kcmil-477. (30/7) Hen kcmil | 3.25 | 1/2 | 6.63 | 2.81 | 3.00 | 0.38 | 3.00 |
| NAR42A2N | 1 | 600 kcmil-900 kcmil | 477. (30/7) Hen kcmil-795 (30/19) Mallard kcmil | 3.50 | 1/2 | 6.81 | 3.31 | 2.00 | 0.50 | 3.00 |
| NAR42A4N | 2 | | 477. (30/7) Hen kcmil-795 (30/19) Mallard kcmil | 3.50 | 1/2 | 6.81 | 3.31 | 3.00 | 0.50 | 3.00 |
| NAR45A2N | 1 | 900 kcmil-1250 kcmil | 715.5 (30/19) Redwing kcmil-1113 (54/19) Finch kcmil | 2.63 | 1/2 | 7.12 | 3.31 | 2.63 | 0.50 | 3.20 |
| NAR45A4N | 2 | | 715.5 (30/19) Redwing kcmil-1113 (54/19) Finch kcmil | 3.75 | 1/2 | 7.12 | 3.31 | 3.00 | 0.50 | 3.20 |
| NAR46A2N | 1 | 1250 kcmil-1600 kcmil | 1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil | 4.38 | 5/8 | 7.69 | 3.69 | 2.75 | 0.56 | 3.75 |
| NAR46A4N | 2 | | 1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil | 4.38 | 5/8 | 7.69 | 3.69 | 3.00 | 0.56 | 3.75 |
| NAR48A2N | 1 | 1500 kcmil-2000 kcmil | 1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil | 4.50 | 5/8 | 7.88 | 3.94 | 2.75 | 0.69 | 3.88 |
| NAR48A4N | 2 | | 1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil | 4.50 | 5/8 | 7.88 | 3.94 | 3.00 | 0.69 | 3.88 |

Aluminum T Terminals, Tube to Centerline Tap Pad

Aluminum T Terminal, Type NBC-A for Tube to Centerline Tap Pad

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy bolted type terminal for joining aluminum tube to copper or aluminum pads. Drilling in pad conforms to NEMA Standards. PENETROX™ joint compound recommended on contact surfaces.

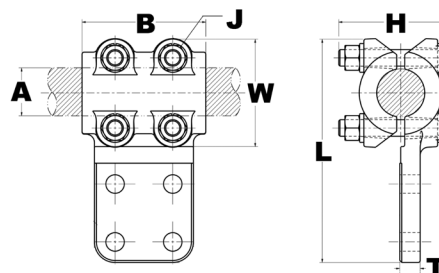
Notes :

Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates; Please contact BURNDY Technical Support for recommendations

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations, and availability

One wrench installation



| Catalog Number | Fig. # | Al tube | B | J Dia. | L | H | T |
|----------------|--------|-----------|------|--------|-------|------|-----|
| NBC15A2N | 1 | 1 IPS | 3.50 | 1/2 | 6.81 | 3.00 | 3/8 |
| NBC16A2N | 1 | 1 1/4 IPS | 3.75 | 1/2 | 7.15 | 3.25 | 3/8 |
| NBC16A34N | 2 | | 3.75 | 1/2 | 7.15 | 3.25 | 3/8 |
| NBC16A44N | 3 | | 3.75 | 1/2 | 8.15 | 3.25 | 3/8 |
| NBC17A2N | 1 | 1 1/2 IPS | 4.00 | 1/2 | 7.39 | 3.50 | 3/8 |
| NBC17A34N | 2 | | 4.00 | 1/2 | 7.39 | 3.50 | 3/8 |
| NBC17A44N | 3 | | 4.00 | 1/2 | 8.39 | 3.50 | 3/8 |
| NBC18A2N | 1 | 2 IPS | 4.25 | 5/8 | 8.25 | 4.00 | 3/8 |
| NBC18A34N | 2 | | 4.25 | 5/8 | 8.25 | 4.00 | 3/8 |
| NBC18A44N | 3 | | 4.25 | 5/8 | 9.25 | 4.00 | 3/8 |
| NBC19A34N | 2 | 2 1/2 IPS | 4.50 | 5/8 | 8.75 | 4.50 | 1/2 |
| NBC19A44N | 3 | | 4.50 | 5/8 | 9.75 | 4.50 | 1/2 |
| NBC20A34N | 2 | 3 IPS | 5.00 | 5/8 | 9.37 | 4.50 | 1/2 |
| NBC20A44N | 3 | | 5.00 | 5/8 | 10.37 | 4.50 | 1/2 |
| NBC21A44N | 3 | 3 1/2 IPS | 5.50 | 5/8 | 10.89 | 5.00 | 5/8 |
| NBC22A44N | 3 | 4 IPS | 6.00 | 5/8 | 11.37 | 5.50 | 5/8 |

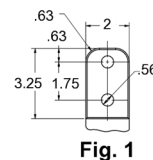


Fig. 1

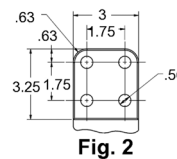


Fig. 2

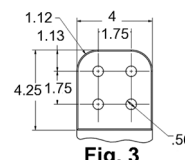


Fig. 3

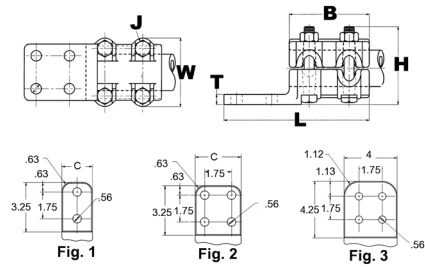
Aluminum Terminals, Tube to Pad; Terminal Pad Caps

Aluminum Terminals, Type NA-A for Tube to Pad

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy terminal for joining copper or aluminum tube to copper or aluminum pad.



Notes :

Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates; Please contact BURNDY Technical Support for recommendations

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations, and availability

One wrench installation

| Catalog Number | Al tube | B | C | J Dia. | L | H | T | W |
|----------------|-----------|------|------|--------|------|------|------|------|
| NA15A2N | 1 IPS | 3.50 | 1.88 | 1/2 | 6.75 | 3.38 | 0.38 | 3.06 |
| NA15A4N | | 3.50 | 3.00 | 1/2 | 6.75 | 3.38 | 0.38 | 3.06 |
| NA16A2N | 1 1/4 IPS | 3.75 | 2.25 | 1/2 | 7.00 | 3.38 | 0.44 | 3.40 |
| NA17A2N | 1 1/2 IPS | 4.00 | 2.50 | 1/2 | 7.50 | 3.88 | 0.50 | 3.64 |
| NA17A4N | | 4.00 | 3.00 | 1/2 | 7.50 | 3.88 | 0.50 | 3.64 |
| NA18A2N | 2 IPS | 4.25 | 2.75 | 5/8 | 7.50 | 4.47 | 0.50 | 4.50 |
| NA18A4N | | 4.25 | 3.12 | 5/8 | 7.50 | 4.47 | 0.50 | 4.50 |
| NA19A4N | 2 1/2 IPS | 4.50 | 3.75 | 5/8 | 7.75 | 4.97 | 0.69 | 5.00 |
| NA20A4N | 3 IPS | 5.00 | 4.38 | 5/8 | 8.31 | 5.47 | 0.69 | 5.62 |
| NA22A4N | 4 IPS | 6.00 | 5.25 | 5/8 | 9.31 | 6.22 | 0.81 | 6.62 |

Type STS-A-NCG, Single Piece Terminal Pad Cap; EHV

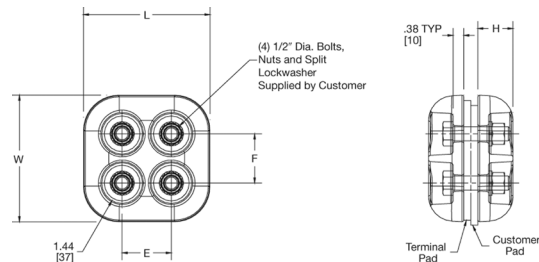
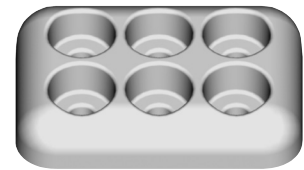
Material: Aluminum Alloy

EHV Rated: Self Shielding at operating voltages up to 500 kV

Bolted 1-piece terminal pad cap of cast Aluminum; Stainless Steel Hardware.

NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Catalog number is for one shielding cap only. If more than one is required, specify total quantity.



| Catalog Number | E | F | H | L | W | Maximum Shielded Area |
|----------------|--------------|--------------|--------------|---------------|---------------|-----------------------|
| STS44ACG10 | 1.75 [44] | 1.75 [44] | 1.50 [38] | 4.00 [102] | 4.00 [102] | 3.5 x 3.5 |
| STS44A4NCG2 | 1.75 [44] | 1.75 [44] | 1.25 [32] | 4.50 [114] | 4.50 [114] | 4 x 4 |
| STS46A6NCG1 | 1.75 [44] | 1.75 [44] | 1.25 [32] | 4.50 [114] | 6.50 [165] | 6 x 4 |

Copper Bolted Couplers, Copper Straight Tube to Tube

Copper Bolted Couplers, Type NS for Copper Straight Tube to Tube

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy coupler for joining equal sizes of tube end to end. Slots between bolts provide independent high pressure areas of contact. One-wrench installation.

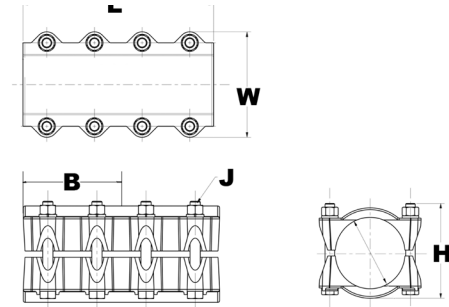


Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating; -W for extra thick tin plating (including hardware)

Items with -HC suffix have hex head bolts; items without the suffix can be either hex head or oval shank head; both head styles are one wrench installation and offer the same clamping force and functionalities

Please contact factory for sizes, combinations and availability



| Catalog Number | Copper Conductor | B | J Dia. | L | H | W |
|----------------|------------------|-----------|--------|------|------|------|
| NS1313 | 1/2 IPS | 1.63 | 3/8 | 3.25 | 1.69 | 2.25 |
| NS1414HC | 3/4 IPS | 2.69 | 3/8 | 5.38 | 2.32 | 2.81 |
| NS1515 | 1 IPS | 2.13 | 3/8 | 4.25 | 2.13 | 2.75 |
| NS1515HC | | 2.69 | 1/2 | 5.62 | 2.32 | 3.25 |
| NS1515HCHQ | | 2.69 | 1/2 | 5.63 | 2.36 | 3.22 |
| NS1616HC | 1 1/4 IPS | 2.69 | 1/2 | 5.75 | 2.57 | 3.50 |
| NS1717 | 1 1/2 IPS | 2.88 | 1/2 | 5.75 | 2.75 | 3.94 |
| NS1717HCHQ | | 2.69 | 1/2 | 5.75 | 2.61 | 3.94 |
| NS1818 | 2 IPS | 2.88 | 1/2 | 5.75 | 3.31 | 4.63 |
| NS1919 | 2 1/2 IPS | 2.88 | 1/2 | 5.75 | 3.88 | 5.25 |
| NS1919HCHQ | | 2.69 | 1/2 | 5.75 | 3.56 | 5.18 |
| NS2121HC | | 3 1/2 IPS | 3.25 | 5/8 | 7.25 | 5.20 |

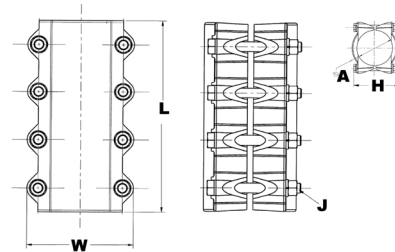
Aluminum Couplers, Aluminum Tube to Tube

Aluminum Couplers, Type NS-A for Aluminum Tube to Tube

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy coupler for joining equal sizes of tube end to end. Properly proportioned to permit use on aluminum-copper conductor combinations. One-wrench installation. PENETROX™ joint compound recommended on contact surfaces.



Notes :

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations, and availability

| Catalog Number | A - tube | J Dia. | L | H | W |
|----------------|-----------|--------|-------|------|------|
| NS14A14A | 3/4 IPS | 1/2 | 6.75 | 2.06 | 2.80 |
| NS15A15A | 1 IPS | | 7.25 | 2.18 | 3.06 |
| NS17A17A | 1 1/2 IPS | | 8.25 | 4.00 | 3.64 |
| NS18A18A | 2 IPS | 5/8 | 8.75 | 4.62 | 4.50 |
| NS19A19A | 2 1/2 IPS | | 9.31 | 4.26 | 5.00 |
| NS21A21A | 3 1/2 IPS | | 8.00 | 5.25 | 6.14 |
| NS22A22A | 4 IPS | | 12.00 | 5.94 | 6.62 |
| NS86A86A | 6 IPS | | 16.25 | 8.04 | 8.76 |

T-Connectors, Copper Tube to Tube

T-Connector, Type NT for Copper Tube to Tube: T Application

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy T-Connector for tubing run and tap. Slots between bolts provide independent high-pressure areas of contact. One-wrench installation.

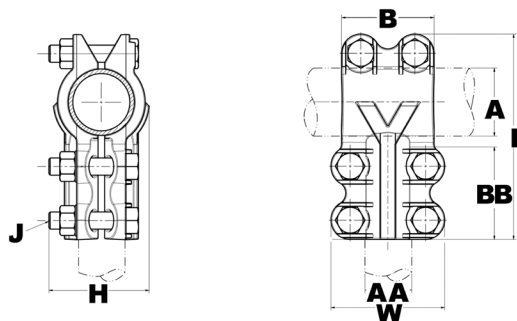
Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Items with -HC suffix have hex head bolts; items without the suffix can be either hex head or oval shank head. Both head styles are one wrench installation and offer the same clamping force and functionalities

Please contact factory for other sizes, combinations and availability

One-wrench installation.



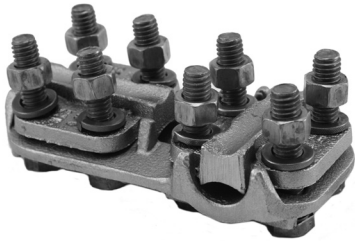
| Catalog Number | A Run Copper Pipe | AA Tap Copper Pipe | B | J Dia. | BB | L | H | W |
|----------------|-------------------|--------------------|------|--------|------|------|------|------|
| NT1313 | 1/2 IPS | 1/2 IPS | 2.00 | 3/8 | 2.00 | 4.13 | 1.94 | 2.44 |
| NT1414 | 3/4 IPS | 3/4 IPS | | | 2.00 | 4.13 | 1.94 | 2.44 |
| NT1514 | 1 IPS | 3/4 IPS | | | 2.00 | 4.38 | 2.13 | 2.44 |
| NT1515 | | 1 IPS | | | 2.00 | 4.44 | 2.13 | 2.75 |
| NT1614 | 1 1/4 IPS | 3/4 IPS | 2.69 | 1/2 | 2.00 | 4.75 | 2.44 | 2.44 |
| NT1616 | | 1 1/4 IPS | | | 2.69 | 5.69 | 2.63 | 3.50 |
| NT1714 | 1 1/2 IPS | 3/4 IPS | 2.00 | 3/8 | 2.00 | 5.06 | 2.69 | 2.44 |
| NT1717 | | 1 1/2 IPS | 2.69 | 1/2 | 2.69 | 6.06 | 2.75 | 3.94 |
| NT1817 | 2 IPS | 1 1/2 IPS | 2.69 | | 6.63 | 3.25 | 3.94 | |
| NT1919 | 2 1/2 IPS | 2 1/2 IPS | 3.63 | | 2.69 | 7.25 | 3.88 | 5.25 |
| NT2020 | 3 IPS | 3 IPS | 4.31 | 5/8 | 3.25 | 8.63 | 4.63 | 6.19 |
| NT2121 | 3 1/2 IPS | 3 1/2 IPS | 4.88 | | 3.25 | 9.25 | 5.19 | 6.81 |
| NT2222 | 4 IPS | 4 IPS | 5.44 | | 3.25 | 9.81 | 5.75 | 7.44 |
| | | | | | 3.25 | 9.81 | 5.75 | 7.44 |

T-Connectors, Copper Tube or Cable to Cable

T-Connector, Type NSNT for Copper Tube or Cable to Cable: T Application

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze



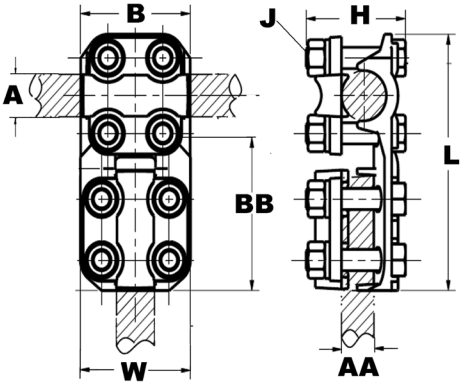
High copper alloy reversible T-Connector for joining a wide range of run and tap cables. Connector is designed for one-wrench installation. “S” standard 3/8 in hardware and “H” heavy duty 1/2 in hardware.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.

Please contact factory for other sizes, combinations and availability.

One-wrench installation.



| Catalog Number | A Pipe Run | A Cable Run | AA ① Cable Tap Range | B | J Dia. | BB | L | H | W |
|----------------|------------|-------------------|----------------------|------|--------|------|------|------|------|
| NSNT1329 | 1/2 IPS | N/A | 6 AWG-250 kcmil | 2.00 | 3/8 | 2.38 | 5.08 | 2.00 | 1.96 |
| NSNT1429 | 3/4 IPS | | 6 AWG-250 kcmil | 2.00 | 3/8 | 2.38 | 5.08 | 2.00 | 1.96 |
| NSNT1434 | | | 1/0 AWG-500 kcmil | 2.00 | 3/8 | 2.38 | 5.08 | 2.10 | 2.20 |
| NSNT1529 | 1 IPS | | 6 AWG-250 kcmil | 2.00 | 3/8 | 2.38 | 5.34 | 2.00 | 1.96 |
| NSNT1629 | 1 1/4 IPS | | 6 AWG-250 kcmil | 2.00 | 3/8 | 2.38 | 5.78 | 2.37 | 1.96 |
| NSNT2929 | - | 6 AWG-250 kcmil | 6 AWG-250 kcmil | 2.38 | 3/8 | 2.38 | 4.60 | 1.75 | 1.96 |
| NSNT3429 | | 1/0 AWG-500 kcmil | 6 AWG-250 kcmil | 2.38 | 3/8 | 2.38 | 4.84 | 2.00 | 1.96 |
| NSNT3434 | | | 1/0 AWG-500 kcmil | 2.38 | 3/8 | 2.38 | 4.84 | 2.00 | 2.20 |

① Complete cable range may be accommodated by reversing cap.

T-Connector Terminals, Copper Tube to Cable

T-Connectors Terminals, Type NHNT for Copper Tube to Cable: T Application

Material: Copper Alloy

Hardware: DURIUM™ Silicon Bronze

High copper alloy reversible T-Connector for joining a wide range of run pipe and tap cables. Connector is designed for one-wrench installation.

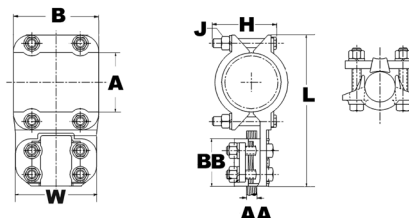


Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

One-wrench installation



| Catalog Number | A Pipe Run | AA ① Cable Tap Range | B | J Dia. | BB | L | H | W |
|----------------|-----------------------|-----------------------|-----------------|--------|------|-------|------|------|
| NHNT1429 | 3/4 IPS | 6 AWG-250 kcmil | 2.25 | 1/2 | 2.62 | 5.82 | 2.32 | 2.44 |
| NHNT1434 | | 1/0 AWG-500 kcmil | 2.25 | 1/2 | 2.62 | 5.82 | 2.42 | 2.56 |
| NHNT1529 | 1 IPS | 6 AWG-250 kcmil | 2.25 | 1/2 | 2.62 | 5.92 | 2.57 | 2.44 |
| NHNT1534 | | 1/0 AWG-500 kcmil | 2.25 | 1/2 | 2.62 | 5.92 | 2.57 | 2.56 |
| NHNT1540 | | 2/0 AWG-800 kcmil | 2.25 | 1/2 | 2.62 | 5.92 | 2.60 | 2.78 |
| NHNT1629 | 1 1/4 IPS | 6 AWG-250 kcmil | 2.69 | 1/2 | 2.62 | 6.32 | 2.57 | 2.44 |
| NHNT1634 | | 1/0 AWG-500 kcmil | 2.69 | 1/2 | 2.62 | 6.32 | 2.60 | 2.56 |
| NHNT1640 | | 2/0 AWG-800 kcmil | 2.69 | 1/2 | 2.62 | 6.32 | 2.68 | 2.78 |
| NHNT1644 | | 4/0 AWG-1000 kcmil | 2.69 | 1/2 | 2.88 | 6.58 | 2.69 | 2.90 |
| NHNT1729 | 1 1/2 IPS | 6 AWG-250 kcmil | 2.69 | 1/2 | 2.62 | 6.76 | 2.70 | 2.44 |
| NHNT1734 | 1 1/2 IPS | 1/0 AWG-500 kcmil | 2.69 | 1/2 | 2.62 | 6.76 | 2.70 | 2.56 |
| NHNT1740 | 1 1/2 IPS | 2/0 AWG-800 kcmil | 2.69 | 1/2 | 2.62 | 6.76 | 2.78 | 2.78 |
| NHNT1744 | | 4/0 AWG-1000 kcmil | 2.69 | 1/2 | 2.88 | 7.02 | 2.80 | 2.90 |
| NHNT1829 | 2 IPS | 6 AWG-250 kcmil | 2.69 | 1/2 | 2.62 | 7.44 | 3.06 | 2.44 |
| NHNT1834 | | 1/0 AWG-500 kcmil | 2.69 | 1/2 | 2.62 | 7.44 | 3.06 | 2.56 |
| NHNT1840 | | 2/0 AWG-800 kcmil | 2.69 | 1/2 | 2.62 | 7.44 | 3.06 | 2.78 |
| NHNT1844 | | 4/0 AWG-1000 kcmil | 2.69 | 1/2 | 2.88 | 7.70 | 3.06 | 2.90 |
| NHNT1846 | | 1000 kcmil-1500 kcmil | 2.69 | 1/2 | 3.06 | 7.88 | 3.23 | 3.16 |
| NHNT1929 | | 2 1/2 IPS | 6 AWG-250 kcmil | 2.69 | 1/2 | 2.62 | 8.06 | 3.64 |
| NHNT1934 | 1/0 AWG-500 kcmil | | 2.69 | 1/2 | 2.62 | 8.06 | 3.64 | 2.56 |
| NHNT1944 | 4/0 AWG-1000 kcmil | | 2.69 | 1/2 | 2.88 | 8.32 | 3.64 | 2.90 |
| NHNT1946 | 1000 kcmil-1500 kcmil | | 2.69 | 1/2 | 3.06 | 8.50 | 3.64 | 3.16 |
| NHNT2040 | 3 IPS | 2/0 AWG-800 kcmil | 2.69 | 1/2 | 2.88 | 8.69 | 4.26 | 2.78 |
| NHNT2044 | | 4/0 AWG-1000 kcmil | 2.69 | 1/2 | 5.75 | 8.95 | 4.26 | 2.90 |
| NHNT2229 | 4 IPS | 6 AWG-250 kcmil | 3.25 | 1/2 | 2.63 | 10.38 | 4.26 | 2.50 |

① Complete cable range may be accommodated by reversing cap.

T-Connectors, Copper Cable to Cable

T-Connector, Type VT for Copper Cable to Cable: T Application

Material: Copper Alloy



Hardware: DURIMUM™ Silicon Bronze

High copper alloy T-connector for cable run, cable tap. V-bolt clamping elements accommodate large range of cable and are particularly suited for extra flexible cable. One-wrench installation.

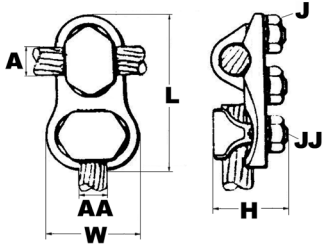


Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

One-wrench installation



| Catalog Number | A - Cable Run Range | AA - Cable Tap Range | J Dia. | JJ Dia. | L | H | W |
|----------------|----------------------|----------------------|--------|---------|------|------|------|
| VT2C2C | 8 AWG-2 AWG | 8 AWG-2 AWG | 5/8 | 5/8 | 2.31 | 1.38 | 1.00 |
| VT2525 | 6 AWG-1/0 AWG | 6 AWG-1/0 AWG | 3/4 | 3/4 | 1.37 | 0.38 | 0.56 |
| VT2825 | 1/0 -4/0 AWG | 6 AWG-1/0 AWG | 3/8 | 3/4 | 3.12 | 1.62 | 1.25 |
| VT2828 | 1/0 -4/0 AWG | 1/0 -4/0 AWG | 3/8 | 3/8 | 2.94 | 0.38 | 0.31 |
| VT4434 | 750 kcmil-1000 kcmil | 300 kcmil-500 kcmil | 5/8 | 1/2 | 4.38 | 3.34 | 2.25 |

Aluminum T-Connectors, Al and Cu Tube to Tube

Aluminum T-Connectors, Type NNT for Aluminum and Copper Tube to Tube

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy T-Connector for tubing run and tap. Properly proportioned to permit use on copper-aluminum conductor combinations. Captured hex head bolts permit one-wrench installation. PENETROX™ joint compound recommended on contact surfaces.

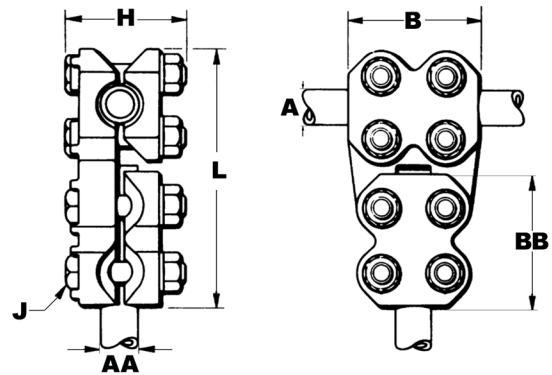


Notes :

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations and availability

One-wrench installation



| Catalog Number | A - Run tube | AA - Tap tube | B | J Dia. | BB | L | H |
|----------------|--------------|---------------|------|--------|------|-------|------|
| NNT15A15A | 1 IPS | 1 IPS | 3.50 | 1/2 | 3.50 | 6.81 | 3.38 |
| NNT16A16A | 1 1/4 IPS | 1 1/4 IPS | 3.75 | 1/2 | 3.75 | 7.44 | 3.38 |
| NNT17A17A | 1 1/2 IPS | 1 1/2 IPS | 4.00 | 1/2 | 4.00 | 7.88 | 3.88 |
| NNT18A18A | 2 IPS | 2 IPS | 4.25 | 5/8 | 4.25 | 9.06 | 4.44 |
| NNT20A20A | 3 IPS | 3 IPS | 5.00 | 5/8 | 5.00 | 10.94 | 5.44 |
| NNT21A20A | 3 1/2 IPS | 3 IPS | 5.50 | 5/8 | 5.00 | 11.06 | 5.56 |
| NNT22A22A | 4 IPS | 4 IPS | 6.00 | 5/8 | 6.00 | 12.63 | 6.19 |

Aluminum T-Connectors, Cable to Cable

Aluminum T-Connectors, Type NNTR for Cable to Cable

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy T-Connector for a range of cable run to range of cable tap. One-wrench installation.

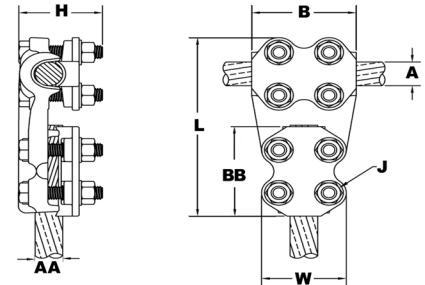


Notes :

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations, and availability

One-wrench installation



| Catalog Number | A - Run Al Cable | A - Run ACSR Cable | AA - Tap Al Cable | AA - Tap ACSR Cable | B | J Dia. | BB | L | H | W |
|----------------|-----------------------|--|-----------------------|--|------|--------|------|------|------|------|
| NNTR29A29A | 1/0 AWG-250 kcmil | 1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG | 1/0 AWG-250 kcmil | 1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG | 2.75 | 1/2 | 2.75 | 5.56 | 2.56 | 2.50 |
| NNTR32A32A | 250 kcmil-400 kcmil | 4/0 (6/1) Penguin AWG-397.5 (18/1) Chickadee kcmil | 250 kcmil-400 kcmil | 4/0 (6/1) Penguin AWG-397.5 (18/1) Chickadee kcmil | 3.00 | 1/2 | 3.00 | 5.94 | 2.56 | 2.63 |
| NNTR36A29A | 350 kcmil-600 kcmil | 336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil | 1/0 AWG-250 kcmil | 1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG | 3.25 | 1/2 | 2.75 | 5.31 | 2.56 | 2.50 |
| NNTR36A36A | 350 kcmil-600 kcmil | 336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil | 350 kcmil-600 kcmil | 336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil | 3.25 | 1/2 | 3.25 | 6.31 | 2.56 | 2.75 |
| NNTR42A32A | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 250 kcmil-400 kcmil | 4/0 (6/1) Penguin AWG-397.5 (18/1) Chickadee kcmil | 3.50 | 1/2 | 3.00 | 6.38 | 3.13 | 2.63 |
| NNTR42A36A | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 350 kcmil-600 kcmil | 336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil | 3.50 | 1/2 | 3.25 | 6.63 | 3.13 | 2.75 |
| NNTR42A42A | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 3.50 | 1/2 | 3.50 | 6.88 | 3.13 | 3.00 |
| NNTR45A45A | 900 kcmil-1250 kcmil | 715.5 (54/7) Crow kcmil-1113 (54/19) Finch kcmil | 900 kcmil-1250 kcmil | 715.5 (54/7) Crow kcmil-1113 (54/19) Finch kcmil | 3.75 | 1/2 | 3.75 | 7.31 | 3.25 | 3.19 |
| NNTR46A42A | 1250 kcmil-1600 kcmil | 1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 3.75 | 1/2 | 3.50 | 7.25 | 3.44 | 3.00 |
| NNTR46A46A | 1250 kcmil-1600 kcmil | 1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil | 1250 kcmil-1600 kcmil | 1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil | 4.38 | 5/8 | 4.38 | 8.31 | 3.69 | 3.75 |
| NNTR48A48A | 1500 kcmil-2000 kcmil | 1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil | 1500 kcmil-2000 kcmil | 1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil | 4.50 | 5/8 | 4.50 | 8.63 | 3.81 | 3.88 |

Aluminum T-Connectors, Tube to Cable

Aluminum T-Connectors, Type NNTR for Tube to Cable

Material: Aluminum Alloy

Hardware: Aluminum

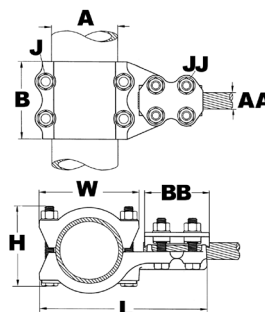
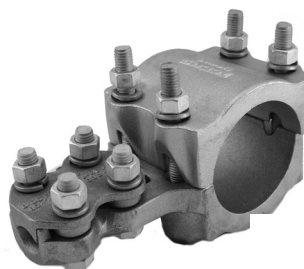
Aluminum alloy T-Connector for tube run, range of cable tap. Properly proportioned to permit use on copper-aluminum combinations. One-wrench installation. PENETROX™ joint compound recommended on contact surfaces.

Notes :

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations, and availability

One-wrench installation



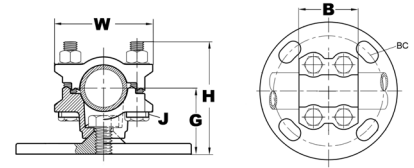
| Catalog Number | A - Run Al Pipe | AA - Tap Al Cable | AA - Tap ACSR Cable | B | J Dia. | BB | L | H | JJ Dia. | W |
|----------------|-----------------|-----------------------|--|------|--------|------|-------|------|---------|------|
| NNTR15A36A | 1 IPS | 350 kcmil-600 kcmil | 336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil | 3.50 | 1/2 | 3.25 | 6.56 | 3.31 | 0.50 | 2.75 |
| NNTR15A42A | 1 IPS | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 3.50 | 1/2 | 3.50 | 6.81 | 3.31 | 0.50 | 3.00 |
| NNTR16A29A | 1 1/4 IPS | 1/0 AWG-250 kcmil | 1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG | 3.75 | 1/2 | 2.75 | 6.44 | 3.31 | 0.50 | 2.50 |
| NNTR16A32A | 1 1/4 IPS | 250 kcmil-400 kcmil | 4/0 (6/1) Penguin AWG-397.5 (18/1) Chickadee kcmil | 3.75 | 1/2 | 3.12 | 6.69 | 3.31 | 0.50 | 2.63 |
| NNTR16A42A | 1 1/4 IPS | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 3.75 | 1/2 | 3.50 | 7.19 | 3.31 | 0.50 | 3.00 |
| NNTR17A29A | 1 1/2 IPS | 1/0 AWG-250 kcmil | 1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG | 4.00 | 1/2 | 2.75 | 6.69 | 3.81 | 0.50 | 2.50 |
| NNTR18A29A | 2 IPS | | | 4.00 | 1/2 | 2.75 | 7.56 | 4.44 | 0.50 | 2.50 |
| NNTR19A42A | 2 1/2 IPS | 600 kcmil-900 kcmil | 477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil | 4.00 | 5/8 | 3.50 | 8.88 | 5.00 | 0.63 | 3.00 |
| NNTR20A32A | 3 IPS | 250 kcmil-400 kcmil | 4/0 (6/1) Penguin AWG-397.5 (18/1) Chickadee kcmil | 4.00 | 1/2 | 3.00 | 9.00 | 5.44 | 0.50 | 2.63 |
| NNTR22A46A | 4 IPS | 1250 kcmil-1600 kcmil | 1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil | 6.00 | 5/8 | 4.38 | 11.25 | 6.19 | 0.63 | 3.75 |

Copper Bus Supports, Supporting Copper Tube to Base

Copper Bus Supports, Type UH for Supporting Copper Tube to Base

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze



High copper alloy bus support for mounting tube on a post or pedestal type insulator. Single bolt allows rotation to any angle. Rotate cap 180° for slip or rigid fit. One wrench installation. Supplied with hardware for mounting to cap of insulator. Specify base mounting hardware, if required, by adding suffix “B” to catalog number.

Notes :

One wrench installation

Specify base mounting hardware, if required, by adding suffix “-B” to catalog number

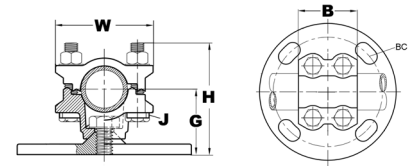
For other sizes and availability, please contact factory

| Catalog Number | Copper Pipe Size | BC | G | J Dia. | B | H | W |
|----------------|------------------|----|------|--------|------|------|------|
| UH143 | 3/4 IPS | 3 | 2.00 | 3/8 | 2.50 | 2.88 | 2.63 |
| UH153 | 1 IPS | 3 | 2.00 | | 2.50 | 3.00 | 2.88 |
| UH163 | 1 1/4 IPS | 3 | 2.25 | 1/2 | 2.69 | 3.44 | 3.50 |
| UH165 | | 5 | 2.38 | | 2.69 | 3.56 | 3.50 |
| UH173 | 1 1/2 IPS | 3 | 2.50 | | 3.00 | 3.81 | 3.81 |
| UH175 | | 5 | 2.50 | | 3.00 | 3.81 | 3.81 |
| UH183 | 2 IPS | 3 | 2.75 | | 3.00 | 4.31 | 4.63 |
| UH193 | 2 1/2 IPS | 3 | 3.13 | | 3.00 | 5.00 | 5.25 |
| UH195 | | 5 | 3.13 | | 3.00 | 5.00 | 5.25 |
| UH205 | 3 IPS | 5 | 3.63 | | 5/8 | 3.25 | 5.81 |
| UH225 | 4 IPS | 5 | 4.50 | 3.25 | | 7.25 | 7.50 |

Copper Bus Supports, Type UHR for Supporting Copper Cable or Tube to Base

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze



High copper alloy bus support clamp for mounting a wide range of cable or tube on post or pedestal type insulators. Single bolt allows rotation to any angle. Supplied with hardware for mounting to cap of insulator. Specify base mounting hardware, if required, by adding suffix “-B” to catalog number.

Notes :

One wrench installation

Specify base mounting hardware, if required, by adding suffix “-B” to catalog number

For other sizes and availability, please contact factory

| Catalog Number | Copper Stranded Range | Copper Pipe Size | BC | G | J Dia. | B | H | W |
|----------------|------------------------|---------------------|----|------|--------|------|------|------|
| UHR133 | 6 AWG - 500 kcmil | 1/8 IPS - 1/2 IPS | 3 | 1.75 | 3/8 | 3.63 | 3.00 | 2.25 |
| UHR135 | | 1/4 IPS - 1 IPS | 5 | 2.13 | 3/8 | 3.63 | 3.38 | 2.25 |
| UHR153 | 4/0 AWG - 1250 kcmil | 1/4 IPS - 1 IPS | 3 | 2.00 | 3/8 | 3.75 | 3.50 | 2.75 |
| UHR175 | 750 kcmil - 2500 kcmil | 3/4 IPS - 1 1/2 IPS | 5 | 2.50 | 1/2 | 2.88 | 4.25 | 3.94 |

* With maximum conductor in place.

Bus Supports, Supporting Copper Cable or Tube to Base

Bus Supports, Type LH for Supporting Copper Cable or Tube to Base

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy, light duty bus support for mounting a wide range of cable or tube on post or pedestal type insulators. One-wrench installation. Supplied with hardware for mounting to cap of insulator. Specify base mounting hardware, if required, by adding suffix "-B" to Catalog No.

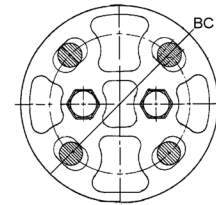
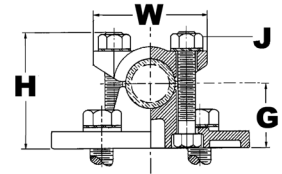
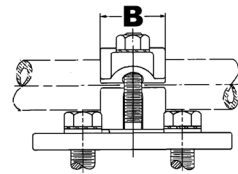
Notes :

One wrench installation

Specify base mounting hardware, if required, by adding suffix "-B" to catalog number

For applications requiring heavier duty product, please see our UH product line

For other sizes and availability, please contact factory.



| Catalog Number | Tube | Stranded Conductor | BC | G | J Dia. | B | H | W |
|----------------|------------------|----------------------|----|------|--------|------|------|------|
| LH283 | N/A | 6 AWG-4/0 AWG | 3 | 1.25 | 3/8 | 1.69 | 2.62 | 4.25 |
| LH343 | 1/4 IPS -1/2 IPS | 2/0 AWG-500 kcmil | 3 | 1.38 | 3/8 | 1.38 | 2.50 | 4.25 |
| LH453 | 1/2 IPS-1 IPS | 500 kcmil-1250 kcmil | 3 | 1.50 | 1/2 | 1.62 | 3.19 | 4.44 |

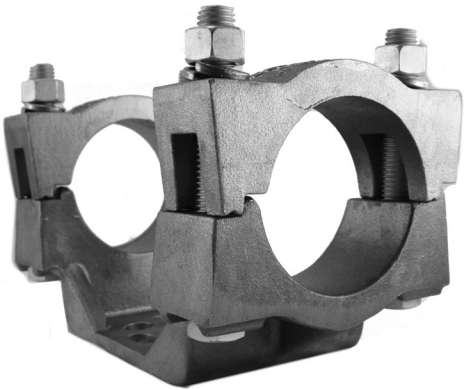
Aluminum Bus Supports, Fixed or Rigid Pipe to Base

Aluminum Bus Support, Type UHG for Fixed or Rigid Pipe to Base

Material: Aluminum Alloy

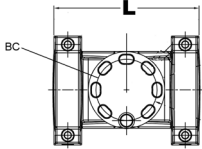
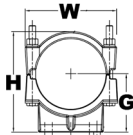
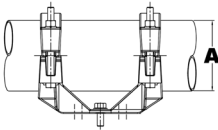
Hardware: Aluminum

Aluminum alloy bus support for mounting tube on post or pedestal insulators. Properly proportioned to minimize conductor corrosion due to galvanic action. Caps are reversible for FIX or RIGID fit. One-wrench installation. Supplied with hardware for mounting to cap of insulator.



Notes :

PENETROX™ A joint compound is recommended on contact surfaces
Specify base mounting hardware, if required, by adding suffix "-B" to catalog number; items with suffix "-CH" include static clips



| Catalog Number | A | BC | G | L | H | W |
|----------------|-----------|------|------|-------|------|------|
| UHG14A3 | 3/4 IPS | 3.00 | 2.00 | 7.44 | 3.50 | 2.94 |
| UHG14A3CH | 3/4 IPS | | | 7.44 | 3.50 | 2.94 |
| UHG15A3 | 1 IPS | | | 7.44 | 3.88 | 3.06 |
| UHG15A3CH | 1 IPS | | | 7.44 | 3.88 | 3.19 |
| UHG15A5CH | 1 IPS | 5.00 | 2.25 | 9.82 | 3.82 | 3.19 |
| UHG16A3CH | 1 1/4 IPS | 3.00 | | 7.68 | 3.79 | 3.50 |
| UHG17A3 | 1 1/2 IPS | 3.00 | 2.50 | 7.68 | 4.06 | 3.66 |
| UHG17A3CH | 1 1/2 IPS | | | 7.68 | 4.06 | 3.66 |
| UHG17A5 | 1 1/2 IPS | 5.00 | | 10.06 | 4.06 | 3.66 |
| UHG17A5CH | 1 1/2 IPS | | | 10.06 | 4.06 | 3.66 |
| UHG18A3 | 2 IPS | 3.00 | 2.75 | 7.68 | 5.25 | 4.12 |
| UHG18A3CH | 2 IPS | | | 7.68 | 5.25 | 4.12 |
| UHG18A5 | 2 IPS | 5.00 | | 10.06 | 4.61 | 4.12 |
| UHG18A5CH | 2 IPS | | | 10.06 | 4.61 | 4.12 |

| Catalog Number | A | BC | G | L | H | W |
|----------------|-----------|------|------|-------|-------|-------|
| UHG19A3 | 2 1/2 IPS | 3.00 | 3.12 | 7.68 | 5.23 | 4.62 |
| UHG20A3CH | 3 IPS | 5.00 | 3.62 | 9.25 | 6.09 | 5.62 |
| UHG20A5 | 3 IPS | | | 10.56 | 6.09 | 5.62 |
| UHG20A5CH | 3 IPS | | | 10.56 | 6.09 | 5.62 |
| UHG21A3 | 3 1/2 IPS | 3.00 | 4.00 | 8.18 | 6.74 | 6.16 |
| UHG22A3CH | 4 IPS | 5.00 | 4.50 | 8.18 | 7.50 | 6.62 |
| UHG22A5 | 4 IPS | | | 11.34 | 7.50 | 6.62 |
| UHG22A5CH | 4 IPS | | | 11.34 | 7.50 | 6.62 |
| UHG24A3 | 5 IPS | 3.00 | 5.25 | 8.68 | 8.86 | 7.70 |
| UHG24A3CH | 5 IPS | | | 8.68 | 8.86 | 7.70 |
| UHG24A5 | 5 IPS | 5.00 | | 11.56 | 8.86 | 7.70 |
| UHG24A5CH | 5 IPS | | | 11.56 | 8.86 | 7.70 |
| UHG83A5 | 8 IPS | 5.00 | 7.16 | 11.56 | 11.84 | 10.12 |
| UHG86A5CH | 6 IPS | | 5.56 | 11.56 | 9.94 | 8.75 |

Aluminum Bus Supports, Cable or Tube to Base

Aluminum Bus Supports, Type UHKR-A for Cable or Tube to Base

Material: Aluminum Alloy

Hardware: Aluminum

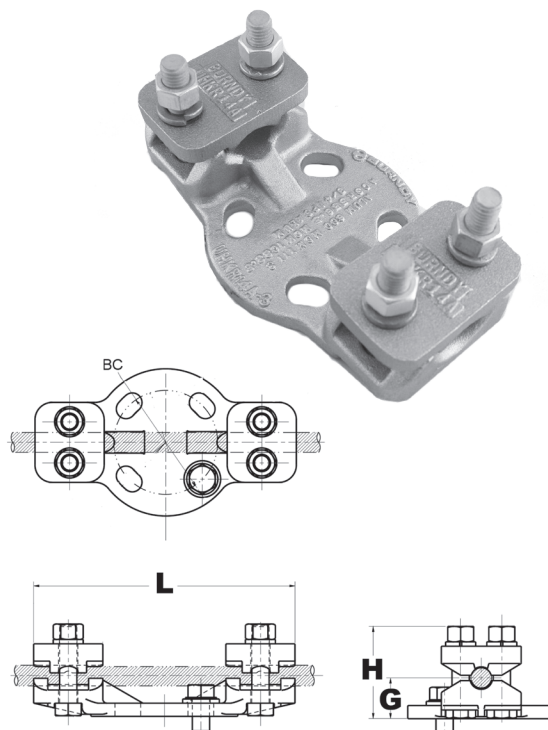
Aluminum alloy bus support for mounting a wide range of cable or tube on post or pedestal type insulators. Supplied with hardware for mounting to cap of insulator.

Notes :

PENETROX™ A joint compound is recommended on contact surfaces

Specify base mounting hardware, if required, by adding suffix “-B” to catalog number

Please contact factory for other sizes, combinations, and availability



| Catalog Number | Tube Size | Al Cable | ACSR Cable | BC | G * | L | H |
|----------------|----------------------|-----------------------|---|------|------|------|------|
| UHKR11A3 | 1/4 IPS | 4 AWG-4/0 AWG | 6 (6/1) Turkey AWG-4/0 (6/1) Penguin AWG | 3.00 | 1.16 | 7.56 | 2.63 |
| UHKR11A5 | 1/4 IPS | | | 5.00 | 1.16 | 8.50 | 2.63 |
| UHKR13A3 | 3/8 IPS -1/2 IPS | 250 kcmil-550 kcmil | 266.8 (26/7) Owl kcmil-477. (30/7) Hen kcmil | 3.00 | 1.32 | 7.56 | 3.88 |
| UHKR13A5 | 3/8 IPS -1/2 IPS | | | 5.00 | 1.32 | 8.88 | 2.88 |
| UHKR14A3 | 3/4 IPS | 600 kcmil-1113 kcmil | 556.5 (26/7) Dove kcmil-1033.5 (54/7) Curlew kcmil | 3.00 | 1.72 | 7.56 | 3.56 |
| UHKR14A5 | 3/4 IPS | | | 5.00 | 1.53 | 9.06 | 3.38 |
| UHKR16A3 | 1 IPS -1 1/4 IPS | 1000 kcmil-2000 kcmil | 1113 (54/19) Finch kcmil-1780 (84/19) Chukar kcmil | 3.00 | 1.97 | 7.56 | 4.06 |
| UHKR16A5 | 1 IPS -1 1/4 IPS | | | 5.00 | 1.80 | 9.25 | 3.88 |
| UHKR17A5 | 1 1/4 IPS -1 1/2 IPS | 2000 kcmil-2500 kcmil | 1780 (84/19) Chukar kcmil-2156 (84/19) Bluebird kcmil | 5.00 | 2.50 | 9.31 | 4.62 |

* With maximum conductor in place.

Aluminum End Caps, Tube End Cap

Aluminum End Cap, Type LB-A for Use on Tube End Cap

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy end cap for aluminum tube. Driven into place for a secure fit. Seals out moisture, reduces electrostatic loss and eliminates hazards created by nesting birds.

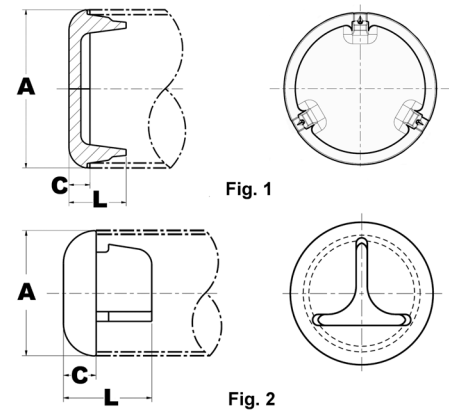


Notes :

Installation instructions available upon request

Please contact factory for other sizes, combinations, and availability

| Catalog Number | Al tube Sch 40 | Al tube Sch 80 | C | L |
|----------------|----------------|----------------|------|------|
| LB16A | 1 1/4 IPS | N/A | 0.50 | 1.35 |
| LB18A | 2 IPS | | | 2.16 |
| LB19A | 2 1/2 IPS | | 2.24 | |
| LB20A | 3 IPS | | 2.29 | |
| LB21A | 3 1/2 IPS | | 2.33 | |
| LB22A | 4 IPS | | 2.22 | |
| LB23A | 4 1/2 IPS | | 2.28 | |
| LB24A | 5 IPS | | 2.45 | |
| LB83A | 8 OD | | 0.75 | 2.28 |
| LB86A | 6 IPS | | 0.88 | 2.57 |
| LB88A | 8 IPS | 0.75 | 2.28 | |
| LB55A | N/A | 1 IPS | 0.50 | 1.35 |
| LB58A | N/A | 2 IPS | 0.88 | 2.16 |
| LB91A | N/A | 3 1/2 IPS | 0.88 | 2.33 |
| LB92A | N/A | 4 IPS | | 2.22 |
| LB94A | N/A | 5 IPS | | 2.45 |
| LB96A | N/A | 6 IPS | | 2.57 |



Copper Stud Connectors, Copper Stud to Cable, Tube, Flat Bar

Copper Stud Connectors, Type NDR for Copper Stud to Cable, Tube, Flat Bar

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

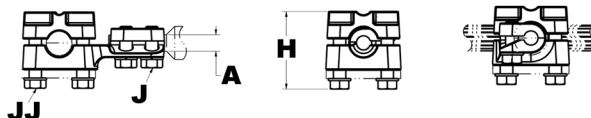
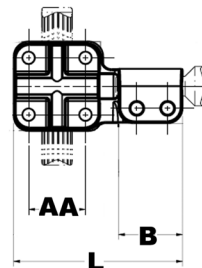
High copper alloy reversible and rotatable cap stud connector joins cable, tube and flat bar in-line or at right angles to equipment studs. Accommodates a wide range of cables or tubes. One-wrench installation.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

One-wrench installation



| Catalog Number | Stud A | J Dia. | Threads per inch | B | AA Stranded Cable | JJ Dia. | L | H | |
|----------------|--------|--------|------------------|------|-------------------|--------------------|------|------|------|
| NDR6434T16 | 3/4 | 3/8 | 16 | 1.53 | 6 AWG-500 kcmil | 3/8 | 4.09 | 2.24 | |
| NDR6428T16 | | | 16 | 1.53 | 6 AWG-4/0 AWG | 3/8 | 3.60 | 1.74 | |
| NDR6534T12 | 1 | | 12 | 1.53 | 6 AWG - 500 kcmil | 3/8 | 3.96 | 2.24 | |
| NDR6534T14 | | | 14 | 1.53 | | 3/8 | 3.96 | | |
| NDR6544T14 | | | 14 | 1.53 | 2 AWG-1000 kcmil | 1/2 | 4.73 | 2.82 | |
| NDR65534T12 | 1-1/8 | | 12 | 1.53 | 6 AWG-500 kcmil | 3/8 | 3.97 | 2.24 | |
| NDR65528T12 | | | 12 | 1.53 | 6 AWG-4/0 AWG | 3/8 | 4.12 | 1.75 | |
| NDR65544T12 | | | 12 | 1.53 | 2 AWG-1000 kcmil | 1/2 | 4.66 | 2.82 | |
| NDR6748T12 | 1-1/2 | | 1/2 | 12 | 2.03 | 4/0 AWG-2000 kcmil | 1/2 | 5.78 | 3.25 |
| NDR67548T12 | 1-3/4 | | | 12 | 2.03 | | 1/2 | 6.56 | 2.51 |
| NDR67544T12 | | 12 | | 2.03 | 2 AWG-1000 kcmil | 1/2 | 6.28 | 3.12 | |
| NDR6848T12 | | 2 | | 12 | 2.03 | 4/0 AWG-2000 kcmil | 1/2 | 6.56 | 2.82 |
| NDR6844T12 | 12 | | | 2.03 | 2 AWG-1000 kcmil | 1/2 | 6.12 | 2.88 | |

Stud Connectors, Copper Stud to Pad

Stud Connectors, Type FD for Copper Stud to Pad

Material: Copper Alloy

Hardware: DURIIUM™ Silicon Bronze

High copper alloy stud connector allows bolting cable and tubing terminals to equipment studs. Hex head captured bolts provide one-wrench installation. One pad contact surface is on centerline of stud. Pad is finished on both sides. All pads are four hole NEMA drilled.

Notes :

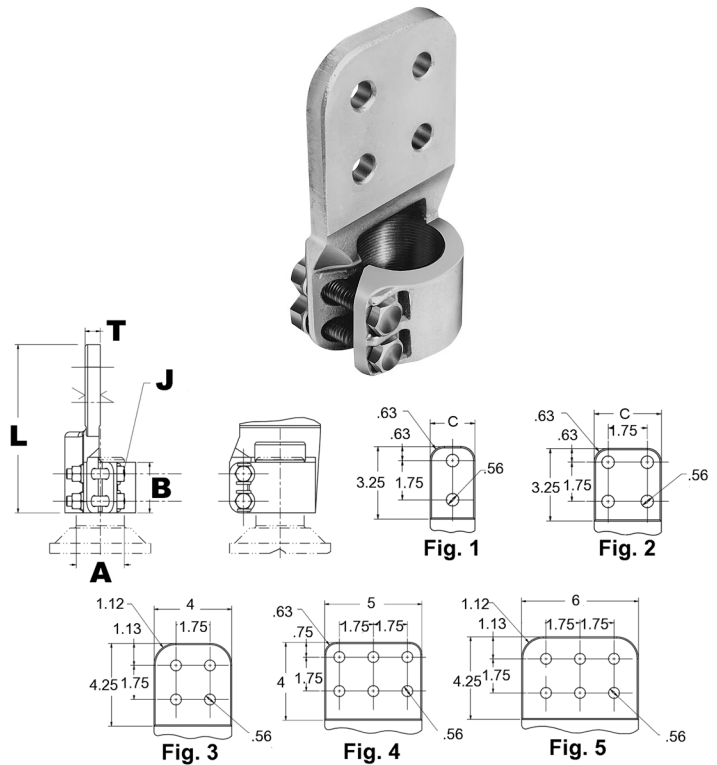
Plated versions: add the required suffix to the catalog number.
-TN for regular tin plating

Pad is finished on both sides

Amperage rating given is for indoor conditions

Please contact factory for other sizes, combinations and availability

One-wrench installation



| Catalog Number | Fig. # | Stud A | Threads per inch | Nominal Ampere Rating | B | J Dia. | L | T |
|----------------|--------|--------|------------------|-----------------------|------|--------|------|------|
| FD64C5T16 | 2 | 3/4 | 16 | 1000 | 1.75 | 3/8 | 5.72 | 5/16 |
| FD65C6T14 | 2 | 1 | 14 | 1075 | 1.75 | 3/8 | 5.72 | 3/8 |
| FD655C6 | 2 | 1-1/8 | 12 | 1075 | 1.75 | 3/8 | 5.80 | 3/8 |
| FD655D6 | 3 | | 12 | 1300 | 1.75 | 3/8 | 6.86 | 3/8 |
| FD66C6 | 2 | 1-1/4 | 12 | 1075 | 1.75 | 3/8 | 5.78 | 3/8 |
| FD66D6 | 3 | | 12 | 1300 | 1.75 | 3/8 | 6.84 | 3/8 |
| FD675C8 | 2 | 1-3/4 | 12 | 1100 | 2.18 | 1/2 | 6.32 | 1/2 |
| FD675D8 | 3 | | 12 | 1450 | 2.18 | 1/2 | 7.39 | 1/2 |
| FD68C8 | 2 | 2 | 12 | 1100 | 2.18 | 1/2 | 6.35 | 1/2 |
| FD68D8 | 3 | | 12 | 1450 | 2.18 | 1/2 | 7.42 | 1/2 |
| FD68D12 | 3 | | 12 | 2100 | 2.18 | 1/2 | 7.42 | 3/4 |
| FD685C8 | 2 | | 2-1/4 | 12 | 1100 | 2.50 | 1/2 | 6.71 |
| FD685D12 | 3 | 12 | | 2100 | 2.50 | 1/2 | 7.77 | 3/4 |
| FD69C8 | 2 | 2-1/2 | 12 | 1100 | 2.50 | 1/2 | 6.77 | 1/2 |
| FD69D8 | 3 | | 12 | 1450 | 2.50 | 1/2 | 8.03 | 1/2 |
| FD69D12 | 3 | | 12 | 2100 | 2.50 | 1/2 | 8.03 | 3/4 |
| FD70D12 | 3 | 3 | 12 | 2100 | 2.88 | 5/8 | 8.26 | 3/4 |
| FD70D16 | 3 | | 12 | 3000 | 2.88 | 5/8 | 8.24 | 1 |

Stud Connectors, Stud to 3 Cables - Flag

Copper Stud Connectors, Type VV3D-R for Copper Stud to Three Cables - Flag

Material: Copper Alloy

Hardware: DURIUM™ Silicon Bronze

High copper alloy stud connector allows bolting (3) cables to equipment studs. The cables have a flag position to equipment stud axis.



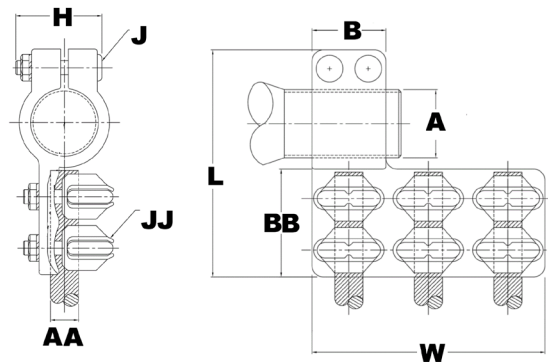
Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability

One-wrench installation.

V-bolt clamping element is particularly appropriate for flexible cables



| Catalog Number | Stud A | AA Stranded Cable | B | BB | J Dia. | JJ Dia. | L | H | W |
|----------------|--------|-----------------------|------|------|--------|---------|------|------|------|
| VV3D6846R12 | 2 | 1000 kcmil-1500 kcmil | 4.50 | 3.25 | 5/8 | 5/8 | 8.38 | 3.81 | 10.2 |
| VV3D7046R12 | 3 | 1000 kcmil-1500 kcmil | 4.50 | | 5/8 | 5/8 | 10.0 | 3.81 | 10.2 |
| VV3D7246R12 | 4 | 1000 kcmil-1500 kcmil | 4.50 | | 5/8 | 5/8 | 10.5 | 3.81 | 10.2 |

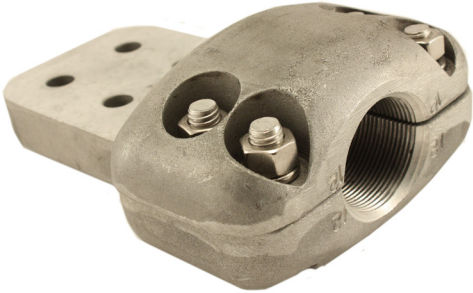
Aluminum Stud Connectors, Stud to Pad

Aluminum Stud Connectors, Type SFD for Stud to Pad

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy stud connector for equipment bushing to conductor terminals. One wrench installation. Unless otherwise mentioned at the item level, this design embeds principles for self-shielding up to 550kV.



Notes :

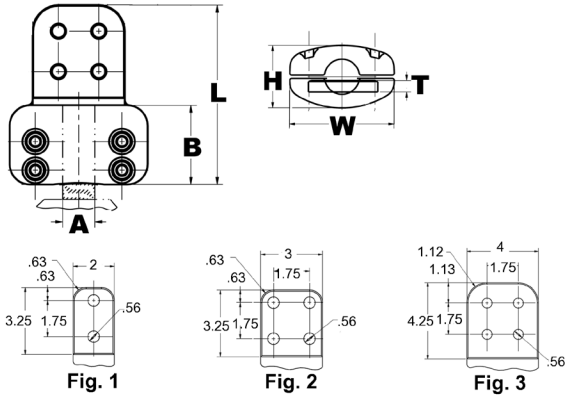
Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates. Please ask BURNDY® Technical Support for recommendations

PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations and availability

Use shielding caps for high voltage applications (STS family). Shielding caps may be purchased separately

Pad is finished on both sides



| Catalog Number | Fig. # | Stud A | Threads per inch | B | H | L | W | T |
|----------------|--------|--------|------------------|------|------|------|------|------|
| SFD67D12 | 3 | 1-1/2 | 12 | 2.50 | 2.79 | 7.66 | 4.50 | .75 |
| SFD70AD16 | 3 | 3 | | 3.84 | 4.10 | 8.59 | 7.12 | 1.00 |
| SFD71AD16 | 3 | 3-1/2 | | 3.84 | 4.89 | 8.59 | 7.50 | 1.00 |
| SFD72AD20 | 3 | 4 | | 3.84 | 5.37 | 8.58 | 8.12 | 1.25 |

Aluminum Spacers, Two Cables, Rigid Spacer

Aluminum Spacer, Type CPR-A for Two Cables Rigid Spacer

Material: Aluminum Alloy

Hardware: Aluminum

Rigid spacer for large range of cables. Particularly appropriate design for short spacing (up to 6" or 8").

Notes :

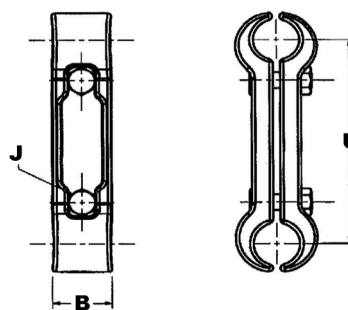
PENETROX™ A joint compound is recommended on contact surfaces

Please contact factory for other sizes, combinations and availability

One-wrench installation



| Catalog Number | Aluminum Stranded | B | J Dia. | U |
|----------------|-----------------------|------|--------|------|
| CPR42A4 | 600 kcmil-900 kcmil | 1.75 | 1/2 | 4.00 |
| CPR46A4 | 1200 kcmil-1600 kcmil | 2.13 | 5/8 | 4.00 |



Aluminum Spacer, Type S2GGBP-A for Two Cables Rigid Spacer with Grounding Rod

Material: Aluminum Alloy

Hardware: Aluminum

Streamlined rigid spacer for large range of cables. The rod joining both cable modules is circular to accommodate grounding clamps.

EHV RATED: SELF-SHIELDING UP TO 550kV

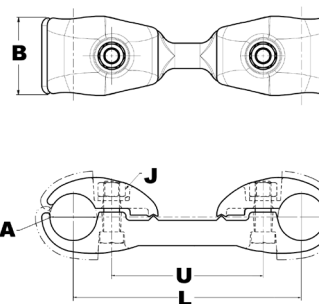
Notes :

PENETROX™ A joint compound is recommended on contact surfaces

One wrench installation

Please contact factory for other sizes, combinations and availability

1, 2 or 4 bolt designs available.



| Catalog Number | Aluminum Stranded | Aluminum ACSR | B | J Dia. | U | L |
|----------------|-----------------------|--|------|--------|------|-------|
| S2GGBP486A9 | 2300 kcmil-2500 kcmil | 2156 (84/19) Bluebird kcmil-2167 (72/7) Kiwi kcmil | 3.12 | 5/8 | 9.00 | 11.50 |

BARTAP™ Connectors, Copper Cable to Flat

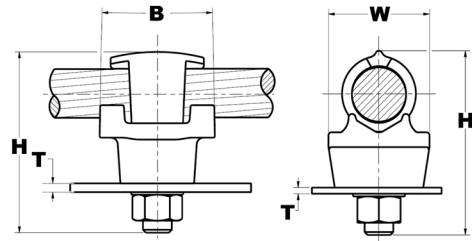
BARTAP™ Connectors, Type QGFL for Copper Cable to Flat

Material: Copper Alloy

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation.

Notes :

Can be installed side by side or in-line on NEMA drilled bar



| Catalog Number | Copper Conductor | B | H | J Dia. | T (Max) | W |
|----------------|-----------------------|-------|--------|--------|---------|-------|
| QGFL1CB1 | #10 Sol-#1 Str | 1-1/8 | 1-7/8 | 3/8 | 1/4 | 1 |
| QGFL1CB1T6 | #10 Sol-#1 Str | 1-1/8 | 2-3/8 | 3/8 | 3/4 | 1 |
| QGFL26B1 | #8 Sol-#2/0 Str | 1-1/4 | 2-1/8 | 3/8 | 1/4 | 1-1/8 |
| QGFL26B1T6 | #8 Sol-#2/0 Str | 1-1/4 | 2-5/8 | 3/8 | 3/4 | 1-1/8 |
| QGFL26B2 | #8 Sol-#2/0 Str | 1-1/4 | 2-8/25 | 1/2 | 1/4 | 1-1/8 |
| QGFL26B2T6 | #8 Sol-#2/0 Str | 1-1/2 | 2-4/5 | 1/2 | 3/4 | 1-1/8 |
| QGFL29B1 | #6 Str-250 kcmil | 1-2/5 | 2-5/8 | 1/2 | 1/4 | 1-3/8 |
| QGFL29B1T6 | #6 Str-250 kcmil | 1-5/8 | 3-1/8 | 1/2 | 3/4 | 1-3/8 |
| QGFL31B1 | 2 AWG-350 kcmil | 1-3/4 | 2-7/8 | 1/2 | 1/4 | 1-5/8 |
| QGFL31B1T6 | 2 AWG-350 kcmil | 1-3/4 | 3-1/4 | 1/2 | 3/4 | 1-5/8 |
| QGFL34B1 | 1/0 -500 kcmil | 2 | 3-1/8 | 1/2 | 1/4 | 1-3/4 |
| QGFL34B1T6 | 1/0 -500 kcmil | 2 | 3-5/8 | 1/2 | 3/4 | 1-3/4 |
| QGFL44G3 | 2/0 - 1000 kcmil | 1.88 | 4.44 | 1/2 | 3/4 | 2 |
| QGFL39B1 | 350 kcmil-750 kcmil | 2-1/4 | 3-1/4 | 1/2 | 1/4 | 1-3/4 |
| QGFL39B1T6 | 350 kcmil-750 kcmil | 2-1/4 | 3-5/8 | 1/2 | 3/4 | 1-3/4 |
| QGFL44B1 | 750 kcmil-1000 kcmil | 2-1/4 | 3-3/8 | 1/2 | 1/4 | 2-1/8 |
| QGFL44B1T6 | 750 kcmil-1000 kcmil | 2-1/4 | 4-1/8 | 1/2 | 3/4 | 2-1/8 |
| QGFL46B1 | 1000 kcmil-1500 kcmil | 2-1/4 | 4 | 1/2 | 1/4 | 2-1/2 |
| QGFL46B1T6 | 1000 kcmil-1500 kcmil | 2-1/4 | 4-1/2 | 1/2 | 3/4 | 2-1/2 |
| QGFL48B1 | 1500 kcmil-2000 kcmil | 2-1/4 | 4-3/4 | 1/2 | 1/4 | 3 |

Copper Bolted Terminals, Pipe or Cable to Flat

Copper Bolted Terminal Type NFXR for Pipe or Cable to Flat

Material: Copper Alloy

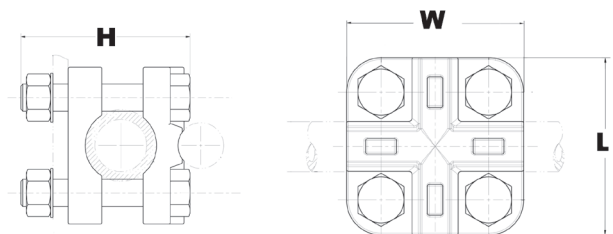
Hardware: DURIMUM™ Silicon Bronze

One of the most versatile products available. Can be bolted to a four-hole NEMA drilled pad. Rated for 230kV.

Notes :

Plated versions: add the required suffix to the catalog number. -TN for regular tin plating

Please contact factory for other sizes, combinations and availability



| Catalog Number | Copper Cable | Copper Pipe (Std or EH) | H | L | W |
|----------------|-----------------|-------------------------|------|------|------|
| NFXR15 | 1/0 -1250 kcmil | 1/4 IPS-1 IPS | 3.11 | 2.88 | 2.88 |
| NFXR15CG20 | 1/0 -1250 kcmil | | 3.11 | 2.88 | 2.88 |
| NFXR15CG24 | 1/0 -1250 kcmil | | 3.61 | 2.88 | 2.88 |
| NFXR15CG7 | 1/0 -1250 kcmil | | 3.36 | 2.88 | 2.88 |

Bar Clamps, Copper Bar to Bar

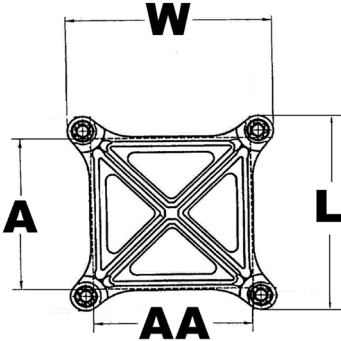
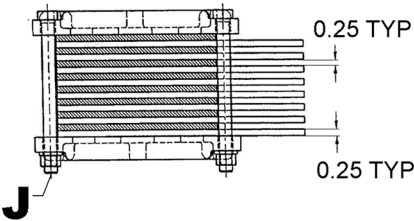
Bar Clamps, Type HFBW for Copper Bar to Bar

Material: Copper Alloy

The clamp assembly eliminates the need for drilling the flat bar and may be used in either indoor and outdoor applications. The open web design provides a uniform clamping pressure while minimizing the weight of the connector.

Notes :

Please contact factory for other sizes, combinations and availability.



| Catalog Number | A | AA | J Dia. | L | W |
|----------------|------|------|--------|------|------|
| HFB44G30W | 4.00 | 4.00 | 1/2 | 5.75 | 5.75 |
| HFB44G31W | 4.00 | 4.00 | 1/2 | 5.75 | 5.75 |
| HFB44G32W | 4.00 | 4.00 | 1/2 | 5.75 | 5.75 |

Bar Clamp Assembly Components and Tap Adapters

Bar Clamp Assembly Components, Type HFB-P1 for Copper Bar to Bar

Material: Copper Alloy

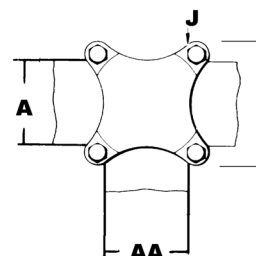
To build your own high strength clamp assembly for multiple flat bar using type HFB-P1 bar clamps and clamping hardware, the following tables have been provided. The clamp assembly eliminates the need for drilling the flat bar and may be used in either indoor and outdoor applications. Hardware not included.



Notes :

For other sizes and availability, please contact factory.

| Catalog Number | A | AA | J Dia. | L |
|----------------|------|------|--------|------|
| HFB22P1 | 2.00 | 2.00 | 3/8 | 4.38 |
| HFB33P1 | 3.00 | 3.00 | 3/8 | 4.38 |
| HFB44P1 | 4.00 | 4.00 | 1/2 | 5.75 |
| HFB54P1 | 5.00 | 4.00 | 1/2 | 6.75 |
| HFB55P1 | 5.00 | 5.00 | 5/8 | 7.13 |
| HFB62P1 | 6.00 | 2.00 | 1/2 | 7.75 |
| HFB63P1 | 6.00 | 3.00 | 1/2 | 7.75 |
| HFB64P1 | 6.00 | 4.00 | 1/2 | 7.75 |



Bar Clamp Tap Pad Adapters, Type HFB-N for Copper Bar to Pad

Material: Copper

High conductivity copper, tap pad adapter provides a NEMA drilled contact pad when assembled to the HFB-P1 clamps (sold separately). Tap connections can be made from copper bus bar(s) without drilling, by bolting standard mechanical or compression terminal pads directly to the pre-drilled tap pad adapter.

Notes :

HFB-N items are only the flat drilled copper adapter pad, the HFB-P1 clamps and hardware are sold separately

Please contact factory for other sizes, combinations and availability

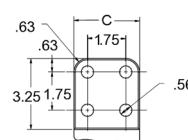
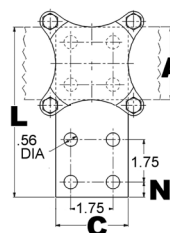


Fig. 1

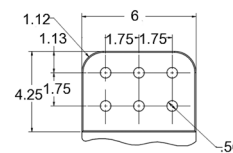
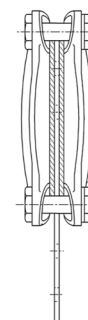


Fig. 2



| Catalog Number | Fig. | A | C | L | N |
|----------------|------|------|------|-------|------|
| HFB334N | 1 | 3.00 | 3.00 | 7.00 | 0.62 |
| HFB444N | 1 | 4.00 | 4.00 | 9.12 | 1.12 |
| HFB666N | 2 | 6.00 | 6.00 | 11.31 | 1.12 |