



**CONNECT AND PROTECT**

# nVent ERICO Cadweld Welded Electrical Connections

Quick Reference Product Guide

  
nvent

**ERICO**

## TABLE OF CONTENTS

### CABLE TO CABLE

|   |   |
|---|---|
| <b>TA</b> - Horizontal Tee.....           | 3 |
| <b>PT</b> - Parallel Horizontal Tee.....  | 3 |
| <b>SS</b> - Horizontal Splice.....        | 3 |
| <b>PC</b> - Parallel Tap.....             | 3 |
| <b>XB</b> - Lapped Horizontal Splice..... | 4 |
| <b>XA</b> - Horizontal Splice.....        | 4 |

### CABLE TO BUS OR LUG

|                                   |   |
|-----------------------------------|---|
| <b>LA</b> - Cable to Lug.....     | 4 |
| <b>LJ</b> - Cable to Bus Bar..... | 4 |

### CABLE TO GROUND ROD

|  |   |
|--|---|
| <b>GR</b> - Cable to Ground Rod.....                 | 5 |
| <b>GT</b> - Through Cable to Top of Ground Bar.....  | 5 |
| <b>GY</b> - Through Cable to Side of Ground Bar..... | 5 |
| <b>NC</b> - Through Cable / Tap to Ground Rod.....   | 5 |
| <b>NVENT CADWELD ONE SHOT</b> .....                  | 6 |
| <b>NVENT CADWELD PLUS ONE SHOT</b> .....             | 6 |

### CABLE TO REBAR

|                                 |   |
|---------------------------------|---|
| <b>RR</b> - Cable to Rebar..... | 7 |
| <b>RD</b> - Cable to Rebar..... | 7 |
| <b>RJ</b> - Cable to Rebar..... | 7 |

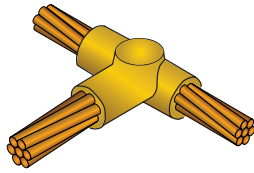
### CABLE TO STEEL SURFACE

|  |   |
|--|---|
| <b>VS</b> - Cable to Vertical Steel.....   | 8 |
| <b>VB</b> - Cable to Vertical Steel.....   | 8 |
| <b>VF</b> - Cable to Vertical Steel.....   | 8 |
| <b>HA</b> - Cable to Horizontal Steel..... | 8 |
| <b>HS</b> - Cable to Horizontal Steel..... | 8 |

### MATERIALS, TOOLS & ACCESSORIES ..... 9

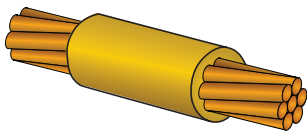
### NVENT CADWELD MOLDS ..... 10-11

# Cable to Cable



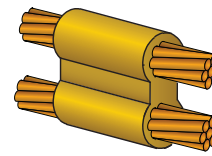
## TA - HORIZONTAL TEE

| CONDUCTOR |         |         | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------|---------|---------|----------------------------|-----------------------------------|
| Run       | Tap     | MOLD    |                            |                                   |
| 4         | 6       | TAC1L1H | 32                         | 32PLUSF20                         |
|           | 4       | TAC1L1L | 32                         | 32PLUSF20                         |
| 2 SOL     | 2 SOL   | TAC1T1T | 45                         | 45PLUSF20                         |
|           | 4       | TAC1V1L | 45                         | 45PLUSF20                         |
| 2         | 2       | TAC1V1V | 45                         | 45PLUSF20                         |
|           | 4       | TAC2C1L | 45                         | 45PLUSF20                         |
| 1/0       | 2       | TAC2C1V | 45                         | 45PLUSF20                         |
|           | 1/0     | TAC2C2C | 90                         | 90PLUSF20                         |
|           | 4/0     | TAC2C2Q | 115                        | 115PLUSF20                        |
|           | 4       | TAC2G1L | 45                         | 45PLUSF20                         |
|           | 2       | TAC2G1V | 45                         | 45PLUSF20                         |
| 2/0       | 1/0     | TAC2G2C | 90                         | 90PLUSF20                         |
|           | 2/0     | TAC2G2G | 90                         | 90PLUSF20                         |
|           | 4/0     | TAC2G2Q | 115                        | 115PLUSF20                        |
|           | 2       | TAC2L1V | 45                         | 45PLUSF20                         |
| 3/0       | 1/0     | TAC2L2C | 90                         | 90PLUSF20                         |
|           | 2/0     | TAC2L2G | 90                         | 90PLUSF20                         |
|           | 3/0     | TAC2L2L | 115                        | 115PLUSF20                        |
| 4/0 SOL   | 4/0 SOL | TAC2P2P | 150                        | 150PLUSF20                        |
|           | 4       | TAC2Q1L | 90                         | 90PLUSF20                         |
|           | 2       | TAC2Q1V | 90                         | 90PLUSF20                         |
|           | 1/0     | TAC2Q2C | 90                         | 90PLUSF20                         |
| 4/0       | 2/0     | TAC2Q2G | 90                         | 90PLUSF20                         |
|           | 3/0     | TAC2Q2L | 115                        | 115PLUSF20                        |
|           | 4/0     | TAC2Q2Q | 150                        | 150PLUSF20                        |
|           | 350     | TAC2Q3A | 150                        | 150PLUSF20                        |
|           | 500     | TAC2Q3Q | 150                        | 150PLUSF20                        |
|           | 2/0     | TAC2V2G | 90                         | 90PLUSF20                         |
| 250       | 4/0     | TAC2V2Q | 150                        | 150PLUSF20                        |
|           | 250     | TAC2V2V | 150                        | 150PLUSF20                        |
| 350       | 4/0     | TAC3D2Q | 150                        | 150PLUSF20                        |
|           | 350     | TAC3D3D | 200                        | 200PLUSF20                        |



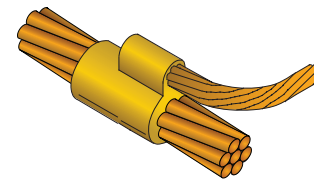
## SS - HORIZONTAL SPLICE

| CONDUCTOR | MOLD  | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------|-------|----------------------------|-----------------------------------|
| 4         | SST1L | 25                         | 25PLUSF20                         |
| 2 SOL     | SST1T | 32                         | 32PLUSF20                         |
| 2         | SST1V | 32                         | 32PLUSF20                         |
| 1/0       | SSC2C | 45                         | 45PLUSF20                         |
| 2/0       | SSC2G | 65                         | 65PLUSF20                         |
| 3/0       | SSC2L | 90                         | 90PLUSF20                         |
| 4/0       | SSC2Q | 90                         | 90PLUSF20                         |
| 250       | SSC2V | 115                        | 115PLUSF20                        |



## PT - PARALLEL HORIZONTAL TEE

| CONDUCTOR |       |         | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------|-------|---------|----------------------------|-----------------------------------|
| Run       | Tap   | MOLD    |                            |                                   |
| 2 SOL     | 2 SOL | PTC1T1T | 65                         | 65PLUSF20                         |
| 2         | 2     | PTC1V1V | 65                         | 65PLUSF20                         |
| 1/0       | 1/0   | PTC2C2C | 90                         | 90PLUSF20                         |
|           | 4/0   | PTC2C2Q | 150                        | 150PLUSF20                        |
|           | 2 SOL | PTC2G1T | 90                         | 90PLUSF20                         |
|           | 2     | PTC2G1V | 90                         | 90PLUSF20                         |
| 2/0       | 1/0   | PTC2G2C | 115                        | 115PLUSF20                        |
|           | 2/0   | PTC2G2G | 115                        | 115PLUSF20                        |
|           | 4/0   | PTC2G2Q | 150                        | 150PLUSF20                        |
| 3/0       | 1/0   | PTC2L2C | 115                        | 90PLUSF20                         |
|           | 3/0   | PTC2L2L | 150                        | 150PLUSF20                        |
|           | 1/0   | PTC2Q2C | 150                        | 150PLUSF20                        |
| 4/0       | 2/0   | PTC2Q2G | 150                        | 150PLUSF20                        |
|           | 3/0   | PTC2Q2L | 200                        | 200PLUSF20                        |
|           | 4/0   | PTC2Q2Q | 200                        | 200PLUSF20                        |



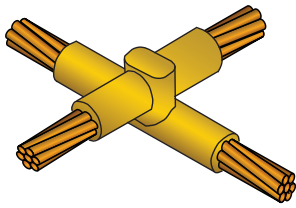
## PC - PARALLEL TAP

| CONDUCTOR |       |         | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------|-------|---------|----------------------------|-----------------------------------|
| Run       | Tap   | MOLD    |                            |                                   |
| 6 SOL     | 6 SOL | PCC1G1G | 25                         | 25PLUSF20                         |
| 6         | 6     | PCC1H1H | 25                         | 25PLUSF20                         |
| 2 SOL     | 2 SOL | PCC1T1T | 65                         | 65PLUSF20                         |
| 2         | 2     | PCC1V1V | 65                         | 65PLUSF20                         |
|           | 6     | PCC1T1G | 32                         | 32PLUSF20                         |
| 1/0       | 6     | PCC2C1H | 45                         | 45PLUSF20                         |
|           | 6 SOL | PCC2G1G | 65                         | 65PLUSF20                         |
| 2/0       | 6     | PCC2G1H | 65                         | 65PLUSF20                         |
|           | 2     | PCC2G1V | 90                         | 90PLUSF20                         |
| 3/0       | 6     | PCC2L1H | 90                         | 90PLUSF20                         |
|           | 6 SOL | PCC2Q1G | 90                         | 90PLUSF20                         |
|           | 6     | PCC2Q1H | 90                         | 90PLUSF20                         |
| 4/0       | 2 SOL | PCC2Q1T | 115                        | 115PLUSF20                        |
|           | 2     | PCC2Q1V | 115                        | 115PLUSF20                        |
|           | 4     | PCC2Q1L | 90                         | 90PLUSF20                         |
|           | 4/0   | PCC2Q2Q | 150                        | 150PLUSF20                        |

## HANDLE CLAMP / FRAME (see page 10)

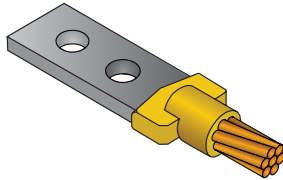
| Price Key | Notes                              |
|-----------|------------------------------------|
| C         | REQUIRES L160 HANDLE CLAMP         |
| P         | INCLUDES B399C FRAME, T320 IGNITOR |
| Q         | REQUIRES L160 HANDLE CLAMP         |
| T         | INCLUDES B399A FRAME, T320 IGNITOR |
| Z         | REQUIRES L159 HANDLE CLAMP         |

# Cable to Cable • Cable to Bus / Lug



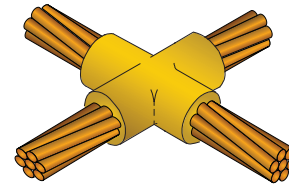
## XB - LAPPED HORIZONTAL SPLICE

| CONDUCTOR |       |         | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------|-------|---------|----------------------------|-----------------------------------|
| Run       | Tap   | MOLD    |                            |                                   |
| 6 SOL     | 6 SOL | XBP1G1G | 32                         | 32PLUSF20                         |
| 4         | 4     | XBC1L1L | 65                         | 65PLUSF20                         |
| 2         | 2     | XBC1V1V | 90                         | 90PLUSF20                         |
| 1/0       | 1/0   | XBQ2C2C | 150                        | 150PLUSF20                        |
| 2/0       | 2/0   | XBQ2G2G | 200                        | 200PLUSF20                        |
| 4/0       | 2/0   | XBQ2Q2G | 200                        | 200PLUSF20                        |
|           | 4/0   | XBQ2Q2Q | 250                        | 250PLUSF20                        |
| 250       | 250   | XBQ2V2V | (2) 150                    | 300PLUSF20                        |
| 350       | 350   | XBZ3D3D | 500                        | 500PLUSF20                        |
| 500       | 500   | XBZ3Q3Q | (3) 250                    | 750PLUSF20                        |



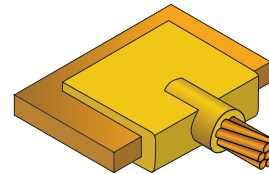
## LA - CABLE TO LUG

| BUS OR LUG SIZE          | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|--------------------------|------------|---------|----------------------------|-----------------------------------|
| 1/8" x 1"<br>Lug / Bus   | 2 SOL      | LAC1TCE | 45                         | 45PLUSF20                         |
|                          | 2          | LAC1VCE | 45                         | 45PLUSF20                         |
|                          | 1/0        | LAC2CCE | 45                         | 45PLUSF20                         |
|                          | 2/0        | LAC2GCE | 65                         | 65PLUSF20                         |
|                          | 3/0        | LAC2LCE | 65                         | 65PLUSF20                         |
| 1/4" x 1"<br>Lug / Bus   | 4/0        | LAC2QCE | 65                         | 65PLUSF20                         |
|                          | 1/0        | LAC2CEE | 65                         | 65PLUSF20                         |
|                          | 2/0        | LAC2GEE | 65                         | 65PLUSF20                         |
|                          | 4/0 SOL    | LAC2PEE | 90                         | 90PLUSF20                         |
|                          | 4/0        | LAC2QEE | 90                         | 90PLUSF20                         |
|                          | 300        | LAC3AEE | 90                         | 90PLUSF20                         |
|                          | 350        | LAC3DEE | 115                        | 115PLUSF20                        |
| 1/4" x 1-1/2"<br>Lug/Bus | 4/0        | LAC2QEG | 90                         | 90PLUSF20                         |
|                          | 250        | LAC2VEG | 90                         | 90PLUSF20                         |
|                          | 350        | LAC3DEG | 115                        | 115PLUSF20                        |
|                          | 500        | LAC3QEG | 200                        | 200PLUSF20                        |



## XA - HORIZONTAL SPLICE

| CONDUCTOR |     |         | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------|-----|---------|----------------------------|-----------------------------------|
| Run       | Tap | MOLD    |                            |                                   |
| 4         | 4   | XAC1L1L | 45                         | 65PLUSF20                         |
| 2         | 2   | XAC1V1V | 65                         | 65PLUSF20                         |
| 1/0       | 1/0 | XAC2C2C | 90                         | 90PLUSF20                         |
| 2/0       | 2/0 | XAC2G2G | 115                        | 115PLUSF20                        |
| 3/0       | 3/0 | XAC2L2L | 150                        | 150PLUSF20                        |
| 4/0       | 2/0 | XAC2Q2G | 150                        | 150PLUSF20                        |
|           | 4/0 | XAC2Q2Q | 200                        | 200PLUSF20                        |
| 250       | 4/0 | XAC2V2Q | 200                        | 200PLUSF20                        |
|           | 250 | XAC2V2V | 200                        | 200PLUSF20                        |
| 350       | 350 | XAC3D3D | 250                        | 250PLUSF20                        |
| 500       | 4/0 | XAD3Q2Q | (2) 150                    | 300PLUSF20                        |
|           | 500 | XAD3Q3Q | 500                        | 500PLUSF20                        |



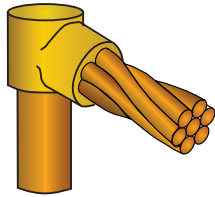
## LJ - CABLE TO BUS BAR

| BUS OR LUG SIZE                     | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-------------------------------------|------------|---------|----------------------------|-----------------------------------|
| 1/4" x 1-1/2"<br>& Wider<br>Lug/Bus | 6          | LJCEG1H | 65                         | 65PLUSF20                         |
|                                     | 2 SOL      | LJCEG1T | 65                         | 65PLUSF20                         |
| 1/4" x 1-1/2"<br>& Wider<br>Lug/Bus | 2          | LJCEG1V | 65                         | 65PLUSF20                         |
|                                     | 1/0        | LJCEG2C | 90                         | 90PLUSF20                         |
|                                     | 2/0        | LJCEG2G | 90                         | 90PLUSF20                         |
|                                     | 3/0        | LJCEG2L | 90                         | 90PLUSF20                         |
|                                     | 4/0        | LJCEG2Q | 90                         | 90PLUSF20                         |
|                                     | 500        | LJCEG3Q | 200                        | 200PLUSF20                        |

## HANDLE CLAMP / FRAME (see page 10)

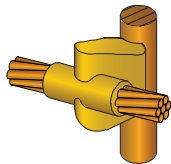
| Price Key | Notes                              |
|-----------|------------------------------------|
| C         | REQUIRES L160 HANDLE CLAMP         |
| P         | INCLUDES B399C FRAME, T320 IGNITOR |
| Q         | REQUIRES L160 HANDLE CLAMP         |
| T         | INCLUDES B399A FRAME, T320 IGNITOR |
| Z         | REQUIRES L159 HANDLE CLAMP         |

# Cable to Ground Rod



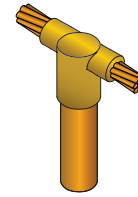
## GR - CABLE TO GROUND ROD

| GROUND ROD SIZE                                  | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|--|------------|---------|----------------------------|-----------------------------------|
| 5/8" Copper-bonded Sectional (threaded) or Plain | 6 SOL      | GRT161G | 32                         | 32PLUSF20                         |
|  | 6          | GRT161H | 32                         | 32PLUSF20                         |
|  | 4 SOL      | GRT161K | 32                         | 32PLUSF20                         |
|  | 4          | GRT161L | 32                         | 32PLUSF20                         |
|  | 2 SOL      | GRC161T | 65                         | 65PLUSF20                         |
|  | 2          | GRC161V | 65                         | 65PLUSF20                         |
|  | 1/0        | GRC162C | 90                         | 90PLUSF20                         |
|  | 2/0        | GRC162G | 90                         | 90PLUSF20                         |
|  | 3/0        | GRC162L | 90                         | 90PLUSF20                         |
|  | 4/0        | GRC162Q | 90                         | 90PLUSF20                         |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 250        | GRC162V | 90                         | 90PLUSF20                         |
|  | 500        | GRC163Q | 115                        | 115PLUSF20                        |
|  | 6 SOL      | GRT181G | 32                         | 32PLUSF20                         |
|  | 6          | GRT181H | 32                         | 32PLUSF20                         |
|  | 4 SOL      | GRP181K | 45                         | 45PLUSF20                         |
|  | 4          | GRP181L | 45                         | 45PLUSF20                         |
|  | 2 SOL      | GRC181T | 90                         | 90PLUSF20                         |
|  | 2          | GRC181V | 90                         | 90PLUSF20                         |
|  | 1/0        | GRC182C | 90                         | 90PLUSF20                         |
|  | 2/0        | GRC182G | 90                         | 90PLUSF20                         |
|  | 3/0        | GRC182L | 90                         | 90PLUSF20                         |
|  | 4/0        | GRC182Q | 90                         | 90PLUSF20                         |
|  | 250        | GRC182V | 90                         | 90PLUSF20                         |
|  | 500        | GRC183Q | 150                        | 150PLUSF20                        |



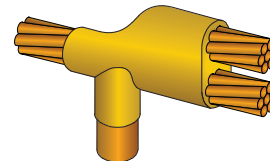
## GY - THROUGH CABLE TO SIDE OF GROUND BAR

| GROUND ROD SIZE                                  | CABLE SIZE                                       | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|--|--|---------|----------------------------|-----------------------------------|
| 5/8" Copper-bonded Sectional (threaded) or Plain | 2 SOL  | GYR161T | 90                         | 90PLUSF20                         |
|  | 2  | GYR161V | 90                         | 90PLUSF20                         |
|  | 1/0  | GYR162C | 115                        | 115PLUSF20                        |
|  | 2/0  | GYR162G | 115                        | 115PLUSF20                        |
|  | 3/0  | GYR162L | 150                        | 150PLUSF20                        |
|  | 4/0  | GYR162Q | 150                        | 150PLUSF20                        |
|  | 250  | GYR162V | 150                        | 150PLUSF20                        |
|  | 350  | GYR163D | 250                        | 250PLUSF20                        |
|  | 500  | GYF163Q | 400                        | 400PLUSF20                        |
|  | 3/4" Copper-bonded Sectional (threaded) or Plain | 2 SOL   | GYR181T                    | 90                                |
| 2  |  | GYR181V | 90                         | 90PLUSF20                         |
| 1/0  |  | GYR182C | 115                        | 115PLUSF20                        |
| 2/0  |  | GYR182G | 115                        | 115PLUSF20                        |
| 3/0  |  | GYR182L | 150                        | 150PLUSF20                        |
| 4/0  |  | GYR182Q | 150                        | 150PLUSF20                        |
| 250  |  | GYR182V | 200                        | 200PLUSF20                        |
| 350  |  | GYR283D | 300                        | 300PLUSF20                        |
| 500  |  | GYF183Q | 500                        | 500PLUSF20                        |



## GT - THROUGH CABLE TO TOP OF GROUND BAR

| GROUND ROD SIZE                                  | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|--|------------|---------|----------------------------|-----------------------------------|
| 5/8" Copper-bonded Sectional (threaded) or Plain | 6          | GTT161G | 32                         | 32PLUSF20                         |
|  | 4          | GTT161L | 32                         | 32PLUSF20                         |
|  | 2 SOL      | GTC161T | 90                         | 90PLUSF20                         |
|  | 2          | GTC161V | 90                         | 90PLUSF20                         |
|  | 1/0        | GTC162C | 90                         | 90PLUSF20                         |
|  | 2/0        | GTC162G | 115                        | 115PLUSF20                        |
|  | 3/0        | GTC162L | 115                        | 115PLUSF20                        |
|  | 4/0        | GTC162Q | 115                        | 115PLUSF20                        |
|  | 250        | GTC162V | 150                        | 150PLUSF20                        |
|  | 500        | GTC163Q | 250                        | 250PLUSF20                        |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 6 SOL      | GTP181G | 45                         | 45PLUSF20                         |
|  | 6          | GTP181H | 45                         | 45PLUSF20                         |
|  | 2 SOL      | GTC181T | 90                         | 90PLUSF20                         |
|  | 2          | GTC181V | 90                         | 90PLUSF20                         |
|  | 1/0        | GTC182C | 115                        | 115PLUSF20                        |
|  | 2/0        | GTC182G | 115                        | 115PLUSF20                        |
|  | 3/0        | GTC182L | 115                        | 115PLUSF20                        |
|  | 4/0        | GTC182Q | 115                        | 115PLUSF20                        |
|  | 250        | GTC182V | 150                        | 150PLUSF20                        |
|  | 500        | GTC183Q | 250                        | 200PLUSF20                        |



## NC - THROUGH CABLE / TAP TO GROUND ROD

| GROUND ROD SIZE                                  | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|--|------------|---------|----------------------------|-----------------------------------|
| 5/8"   | 2 SOL      | NCR161T | 115                        | 115PLUSF20                        |
| Copper-bonded Sectional (threaded) or Plain      | 2          | NCR161V | 115                        | 115PLUSF20                        |
|  | 1/0        | NCR162C | 150                        | 150PLUSF20                        |
|  | 2/0        | NCR162G | 200                        | 200PLUSF20                        |
|  | 3/0        | NCR162L | 250                        | 250PLUSF20                        |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 4/0        | NCR162Q | 250                        | 250PLUSF20                        |
|  | 6          | NCR181H | 90                         | 90PLUSF20                         |
|  | 2 SOL      | NCR181T | 115                        | 115PLUSF20                        |
|  | 2          | NCR181V | 115                        | 115PLUSF20                        |
|  | 1/0        | NCR182C | 150                        | 150PLUSF20                        |
|  | 2/0        | NCR182G | 200                        | 200PLUSF20                        |
|  | 3/0        | NCR182L | 250                        | 250PLUSF20                        |
|  | 4/0        | NCR182Q | 250                        | 250PLUSF20                        |

### HANDLE CLAMP / FRAME (see page 10)

|   |                                    |
|---|------------------------------------|
| C | REQUIRES L160 HANDLE CLAMP         |
| P | INCLUDES B399C FRAME, T320 IGNITOR |
| T | INCLUDES B399A FRAME, T320 IGNITOR |
| F | REQUIRES L159 HANDLE CLAMP         |

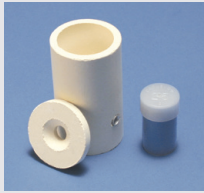
# Cable to Ground Rod

Cadweld One Shots and Cadweld Plus One Shots produce permanent exothermic connections to ground rods that will not loosen, corrode or increase in resistance for the life of the installation.

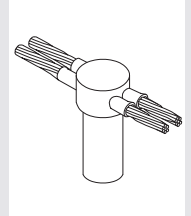
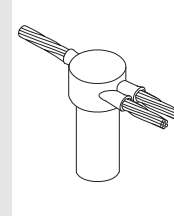
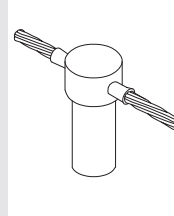
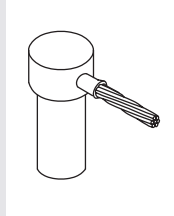
A convenient, single-use ceramic mold eliminates the need for a mold and handle clamps and/or frame.

## CADWELD ONE SHOT

| GROUND ROD | CONCENTRIC CONDUCTOR |          | CADWELD ONE SHOT |         |         |         |  |
|------------|----------------------|----------|------------------|---------|---------|---------|--|
|            | SOLID                | STRANDED | Type GR          | Type GT | Type NT | Type NX |  |
| 1/2"       | 6, 8                 | 8        | GR1141G          | GT1141G | NT1141G | NX1141G |  |
|            | 3, 4                 | 4, 6     | GR1141L          | GT1141L | NT1141L | NX1141L |  |
|            | 1, 2                 | 2, 3     | GR1141V          | GT1141V | NT1141V |         |  |
| 5/8"       | 6, 8                 | 8        | GR1161G          | GT1161G | NT1161G | NX1161G |  |
|            | 3, 4                 | 4, 6     | GR1161L          | GT1161L | NT1161L | NX1161L |  |
|            | 1, 2                 | 2, 3     | GR1161V          | GT1161V | NT1161V | NX1161V |  |
|            | 2/0, 1/0             |          | 1/0, 1           | GR1162C | GT1162C |         |  |
|            |                      |          | 2/0              | GR1162G | GT1162G |         |  |
|            |                      |          | 4/0              | GR1162Q |         |         |  |
| 3/4"       | 6, 8                 | 8        | GR1181G          | GT1181G | NT1181G | NX1181G |  |
|            | 3, 4                 | 4, 6     | GR1181L          | GT1181L | NT1181L | NX1181L |  |
|            | 1, 2                 | 2, 3     | GR1181V          | GT1181V | NT1181V | NX1181V |  |
|            | 2/0, 1/0             |          | 1/0, 1           | GR1182C | GT1182C |         |  |
|            |                      |          | 2/0              | GR1182G | GT1182G |         |  |
|            |                      |          | 4/0              | GR1182Q |         |         |  |



Requires flint ignitor p/n T320 (sold separately)

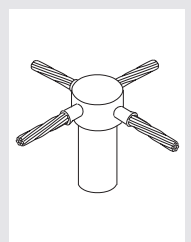
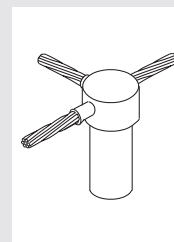
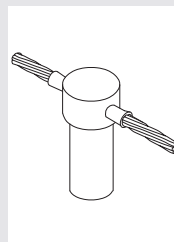
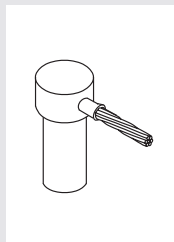


## CADWELD PLUS ONE SHOT

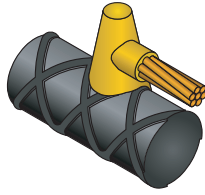
| GROUND ROD | CONCENTRIC CONDUCTOR |          | CADWELD ONE SHOT |             |             |             |  |
|------------|----------------------|----------|------------------|-------------|-------------|-------------|--|
|            | SOLID                | STRANDED | Type GR          | Type GT     | Type NT     | Type NX     |  |
| 1/2"       | 6, 8                 | 8        | GR1141GPLUS      | GT1141GPLUS | NT1141GPLUS | NX1141GPLUS |  |
|            | 3, 4                 | 4, 6     | GR1141LPLUS      | GT1141LPLUS | NT1141LPLUS | NX1141LPLUS |  |
|            | 1, 2                 | 2, 3     | GR1141VPLUS      | GT1141VPLUS | NT1141VPLUS |             |  |
| 5/8"       | 6, 8                 | 8        | GR1161GPLUS      | GT1161GPLUS | NT1161GPLUS | NX1161GPLUS |  |
|            | 3, 4                 | 4, 6     | GR1161LPLUS      | GT1161LPLUS | NT1161LPLUS | NX1161LPLUS |  |
|            | 1, 2                 | 2, 3     | GR1161VPLUS      | GT1161VPLUS | NT1161VPLUS | NX1161VPLUS |  |
|            | 2/0, 1/0             |          | 1/0, 1           | GR1162CPLUS | GT1162CPLUS |             |  |
|            |                      |          | 2/0              | GR1162GPLUS | GT1162GPLUS |             |  |
|            |                      |          | 4/0              | GR1162QPLUS |             |             |  |
| 3/4"       | 6, 8                 | 8        | GR1181GPLUS      | GT1181GPLUS | NT1181GPLUS | NX1181GPLUS |  |
|            | 3, 4                 | 4, 6     | GR1181LPLUS      | GT1181LPLUS | NT1181LPLUS | NX1181LPLUS |  |
|            | 1, 2                 | 2, 3     | GR1181VPLUS      | GT1181VPLUS | NT1181VPLUS | NX1181VPLUS |  |
|            | 2/0, 1/0             |          | 1/0, 1           | GR1182CPLUS | GT1182CPLUS |             |  |
|            |                      |          | 2/0              | GR1182GPLUS | GT1182GPLUS |             |  |
|            |                      |          | 4/0              | GR1182QPLUS |             |             |  |



Requires Cadweld Plus control unit p/n PLUSCU (sold separately)

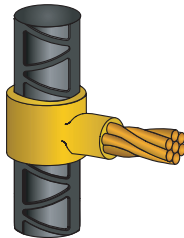


# Cable to Rebar



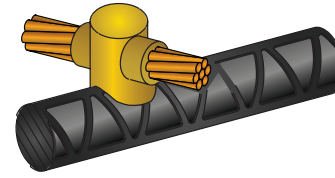
## RR - CABLE TO REBAR

| REBAR SIZE | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N | PACKING P/N |
|------------|------------|---------|----------------------------|-----------------------------------|-------------|
| #4         | 1/0        | RRC522C | 90                         | 90PLUSF20                         | B141A       |
|            | 2/0        | RRC522G | 90                         | 90PLUSF20                         | B141A       |
|            | 3/0        | RRC522L | 115                        | 115PLUSF20                        | B141A       |
|            | 4/0        | RRC522Q | 115                        | 115PLUSF20                        | B141A       |
| #5         | 4          | RRA531L | 32                         | 32PLUSF20                         | B143A       |
|            | 2          | RRA531V | 45                         | 45PLUSF20                         | B143A       |
|            | 1/0        | RRC532C | 90                         | 90PLUSF20                         | B141A       |
|            | 2/0        | RRC532G | 90                         | 90PLUSF20                         | B141A       |
| #6         | 3/0        | RRC532L | 115                        | 115PLUSF20                        | B141A       |
|            | 4/0        | RRC532Q | 115                        | 115PLUSF20                        | B141A       |
|            | 4          | RRA541L | 32                         | 32PLUSF20                         | B143B       |
|            | 2          | RRA541V | 45                         | 45PLUSF20                         | B143B       |
|            | 1/0        | RRH542C | 90                         | 90PLUSF20                         | B144C       |
|            | 2/0        | RRH542G | 90                         | 90PLUSF20                         | B144C       |
|            | 3/0        | RRH542L | 115                        | 115PLUSF20                        | B144C       |
|            | 4/0        | RRH542Q | 115                        | 115PLUSF20                        | B144C       |



## RJ - CABLE TO REBAR

| REBAR SIZE | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N | PACKING P/N |
|------------|------------|---------|----------------------------|-----------------------------------|-------------|
| #4         | 6          | RJC521H | 45                         | 45PLUSF20                         | B140A       |
|            | 4          | RJC521L | 65                         | 65PLUSF20                         | B140A       |
|            | 2          | RJC521V | 65                         | 65PLUSF20                         | B140A       |
|            | 1/0        | RJC522C | 115                        | 115PLUSF20                        | B140A       |
| #5         | 2/0        | RJC522G | 115                        | 115PLUSF20                        | B140A       |
|            | 3/0        | RJC522L | 150                        | 150PLUSF20                        | B140A       |
|            | 4/0        | RJC522Q | 150                        | 150PLUSF20                        | B140A       |
|            | 1/0        | RJC532C | 115                        | 115PLUSF20                        | B140A       |
| #6         | 2/0        | RJC532G | 115                        | 115PLUSF20                        | B140A       |
|            | 3/0        | RJC532L | 150                        | 150PLUSF20                        | B140A       |
|            | 4/0        | RJC532Q | 150                        | 150PLUSF20                        | B140A       |
|            | 1/0        | RJC542C | 115                        | 115PLUSF20                        | B140B       |
| #6         | 2/0        | RJC542G | 115                        | 115PLUSF20                        | B140B       |
|            | 3/0        | RJC542L | 150                        | 150PLUSF20                        | B140B       |
|            | 4/0        | RJC542Q | 150                        | 150PLUSF20                        | B140B       |



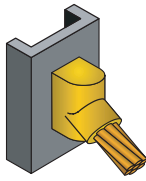
## RD - CABLE TO REBAR

| REBAR SIZE | CABLE SIZE | MOLD    | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N | PACKING P/N |
|------------|------------|---------|----------------------------|-----------------------------------|-------------|
| #4         | 4          | RDC521L | 65                         | 65PLUSF20                         | B141A       |
|            | 2 SOL      | RDC521T | 65                         | 65PLUSF20                         | B141A       |
|            | 2          | RDC521V | 90                         | 90PLUSF20                         | B141A       |
|            | 1/0        | RDM522C | 115                        | 115PLUSF20                        | B141A       |
| #5         | 2/0        | RDM522G | 115                        | 115PLUSF20                        | B141A       |
|            | 3/0        | RDM522L | 150                        | 150PLUSF20                        | B141A       |
|            | 4/0        | RDM522Q | 150                        | 150PLUSF20                        | B141A       |
|            | 4          | RDC531L | 65                         | 65PLUSF20                         | B141A       |
| #6         | 2          | RDC531V | 90                         | 90PLUSF20                         | B141A       |
|            | 2/0        | RDM532G | 115                        | 115PLUSF20                        | B141A       |
|            | 3/0        | RDM532L | 150                        | 150PLUSF20                        | B141A       |
|            | 4/0        | RDM532Q | 150                        | 150PLUSF20                        | B141A       |
| #8         | 4          | RDH541L | 65                         | 65PLUSF20                         | B144C       |
|            | 2          | RDH541V | 90                         | 90PLUSF20                         | B144C       |
|            | 2/0        | RDH542G | 115                        | 115PLUSF20                        | B144A       |
|            | 3/0        | RDH542L | 150                        | 150PLUSF20                        | B144A       |
| #8         | 4/0        | RDH542Q | 150                        | 150PLUSF20                        | B144A       |
|            | 2/0        | RDH562G | 115                        | 115PLUSF20                        | B144C       |
|            | 3/0        | RDH562L | 150                        | 150PLUSF20                        | B144A       |
|            | 4/0        | RDH562Q | 150                        | 150PLUSF20                        | B144A       |
|            | 250        | RDH562V | 150                        | 150PLUSF20                        | B144A       |

### HANDLE CLAMP / FRAME (see page 10)

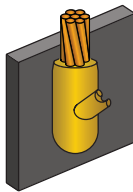
|   |                                   |
|---|-----------------------------------|
| A | INCLUDES FRAME WITH HANDLE        |
| C | REQUIRES L160 HANDLE CLAMP        |
| H | INCLUDES TOGGLE FRAME WITH HANDLE |
| M | INCLUDES FRAME WITH HANDLE        |

# Cable to Steel Surface



## VS - CABLE TO VERTICAL STEEL

| SURFACE           | CABLE SIZE | MOLD     | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-------------------|------------|----------|----------------------------|-----------------------------------|
| Flat Surface      | 6          | VSC1H    | 45                         | 45PLUSF20                         |
|                   | 4          | VSC1L    | 45                         | 45PLUSF20                         |
|                   | 2 SOL      | VSC1T    | 45                         | 45PLUSF20                         |
|                   | 2          | VSC1V    | 45                         | 45PLUSF20                         |
|                   | 1/0        | VSC2C    | 90                         | 90PLUSF20                         |
|                   | 2/0        | VSC2G    | 90                         | 90PLUSF20                         |
|                   | 3/0        | VSC2L    | 115                        | 115PLUSF20                        |
|                   | 4/0        | VSC2Q    | 115                        | 115PLUSF20                        |
| 500               | VSC3Q      | 200      | 200PLUSF20                 |                                   |
| 1-1/4" to 4" Pipe | 2 SOL      | VSC1VV3C | 45                         | 45PLUSF20                         |
| 1-1/2" to 4" Pipe | 4          | VSC1LV3C | 45                         | 45PLUSF20                         |
| 2" to 4" Pipe     | 2          | VSC1TV3C | 45                         | 45PLUSF20                         |
| 4" to 6" Pipe     | 2/0        | VSC2GV3C | 90                         | 90PLUSF20                         |
|                   | 4/0        | VSC2QV3C | 115                        | 115PLUSF20                        |
|                   | 2 SOL      | VSC1TV5C | 45                         | 45PLUSF20                         |
| 4/0               | VSC2QV5C   | 115      | 115PLUSF20                 |                                   |

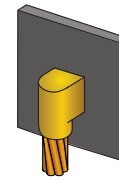


## VF - CABLE TO VERTICAL STEEL

| SURFACE       | CABLE SIZE | MOLD     | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|---------------|------------|----------|----------------------------|-----------------------------------|
| Flat Surface  | 4          | VFC1L    | 65                         | 65PLUSF20                         |
|               | 2 SOL      | VFC1T    | 65                         | 65PLUSF20                         |
|               | 2          | VFC1V    | 65                         | 65PLUSF20                         |
|               | 2/0        | VFC2G    | 150                        | 150PLUSF20                        |
|               | 3/0        | VFR2L    | 200                        | 200PLUSF20                        |
|               | 4/0        | VFR2Q    | 200                        | 200PLUSF20                        |
| 2" to 4" Pipe | 2 SOL      | VFC1TV3C | 65                         | 65PLUSF20                         |

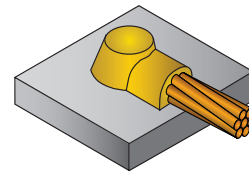
### HANDLE CLAMP / FRAME (see page 10)

|   |                            |
|---|----------------------------|
| A | INCLUDES FRAME WITH HANDLE |
| C | REQUIRES L160 HANDLE CLAMP |
| R | REQUIRES L160 HANDLE CLAMP |



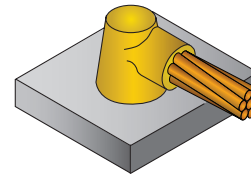
## VB - CABLE TO VERTICAL STEEL

| SURFACE               | CABLE SIZE | MOLD     | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|-----------------------|------------|----------|----------------------------|-----------------------------------|
| Flat Surface          | 4          | VBC1L    | 65                         | 45PLUSF20                         |
|                       | 2 SOL      | VBC1T    | 65                         | 45PLUSF20                         |
|                       | 2          | VBC1V    | 65                         | 45PLUSF20                         |
|                       | 1/0        | VBC2C    | 115                        | 45PLUSF20                         |
|                       | 2/0        | VBC2G    | 115                        | 90PLUSF20                         |
|                       | 3/0        | VBC2L    | 150                        | 90PLUSF20                         |
|                       | 4/0 SOL    | VBC2P    | 150                        | 115PLUSF20                        |
|                       | 4/0        | VBC2Q    | 150                        | 115PLUSF20                        |
|                       | 500        | VBR3Q    | (2) 150                    | 200PLUSF20                        |
| 1-1/4" to 3-1/2" Pipe | 4/0        | VBC2QV3C | 150                        | 45PLUSF20                         |
| 1-1/4" to 4" Pipe     | 2 SOL      | VBC1TV3C | 65                         | 45PLUSF20                         |
|                       | 4 SOL      | VBC1KV3C | 65                         | 45PLUSF20                         |
|                       | 2          | VBC1VV3C | 65                         | 90PLUSF20                         |



## HA - CABLE TO HORIZONTAL STEEL

| CABLE SIZE | MOLD  | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|------------|-------|----------------------------|-----------------------------------|
| 6 SOL      | HAA1G | 45                         | 45PLUSF20                         |
| 6          | HAA1H | 45                         | 45PLUSF20                         |
| 4          | HAA1L | 45                         | 45PLUSF20                         |
| 2 SOL      | HAA1T | 45                         | 45PLUSF20                         |
| 2          | HAA1V | 45                         | 45PLUSF20                         |

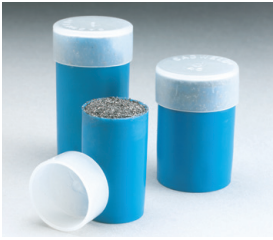


## HS - CABLE TO HORIZONTAL STEEL

| CABLE SIZE | MOLD  | WELDING MATERIAL (QTY) P/N | CADWELD PLUS WELDING MATERIAL P/N |
|------------|-------|----------------------------|-----------------------------------|
| 1/0        | HSC2C | 90                         | 90PLUSF20                         |
| 2/0        | HSC2G | 90                         | 90PLUSF20                         |
| 3/0        | HSC2L | 115                        | 115PLUSF20                        |
| 4/0        | HSC2Q | 115                        | 115PLUSF20                        |
| 250        | HSC2V | 115                        | 115PLUSF20                        |
| 350        | HSC3D | 200                        | 200PLUSF20                        |
| 500        | HSC3Q | 200                        | 200PLUSF20                        |



# Materials, Tools & Accessories



Traditional Cadweld



Cadweld Plus



**L160**  
Handle Clamps  
(Includes T320)



**T313**  
Card Cleaning  
Brush

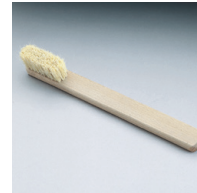
| CADWELD WELDING MATERIAL |              |                 |
|--------------------------|--------------|-----------------|
| TRADITIONAL              | CADWELD PLUS | Qty. Per Carton |
| 15                       | 15PLUSF20    | 20              |
| 25                       | 25PLUSF20    | 20              |
| 32                       | 32PLUSF20    | 20              |
| 45                       | 45PLUSF20    | 20              |
| 65                       | 65PLUSF20    | 20              |
| 90                       | 90PLUSF20    | 10              |
| 115                      | 115PLUSF20   | 10              |
| 150                      | 150PLUSF20   | 10              |
| 200                      | 200PLUSF20   | 10              |
| 250                      | 250PLUSF20   | 10              |
| (2) 150                  | 300PLUSF20   | 10              |
| (2) 200                  | 400PLUSF20   | 10              |
| 500                      | 500PLUSF20   | 10              |



**T314**  
Cable Cleaning  
Brush





**T321**  
Rasp



**T394**  
Mold Cleaning  
Brush



**T403**  
Mold Sealer

| REBAR PACKING |   |   |    |
|---------------|---|---|----|
| P/N           | DESCRIPTION                               | QTY. PER CARTON   |    |
| B140A         | Copper Shim,<br>0.13" x 3" x 1.5"         |  | 50 |
| B140B         | Copper Shim,<br>0.013" x 3" x 2.5"        |   | 50 |
| B141A*        | Copper Shim,<br>0.13" x 3" x 1.5"         |   | 50 |
| B143A         | Ceramic Packing,<br>0.25" x 1.75" x 1.77" |  | 20 |
| B143B         | Ceramic Packing,<br>0.25" x 2" x 1.75"    |   | 20 |
| B144A         | Ceramic Packing,<br>0.25" x 3" x 3"       |   | 20 |
| B144C         | Ceramic Packing,<br>0.25" x 3" x 3"       |   | 20 |

\*Each piece of B141A includes 2 copper shims as required per rebar connection

## CADWELD Welding Material

Cadweld welding material consists of copper oxide and aluminum, packaged by weight (in grams) in plastic tubes. Each tube contains starting material at the bottom of the plastic tube. Welding material is packaged in containers along with metal disks. Standard welding material (F20) is packaged in tubes with clear caps and is used for all grounding connections with the exception of those to cast iron or rail.

## NVENT CADWELD EXOLON

Cadweld Exolon produces the same permanent bonds as traditional Cadweld without smoke and other emissions. Cadweld Exolon molds and welding material can be ordered by adding an XL prefix to the part numbers (contact nVent or authorized agent for details).

## CADWELD PLUS

Cadweld Plus simplifies the method of making exothermic connections by eliminating the need for starting material or a separate disk. With the Cadweld Plus Control Unit, welds can be completed up to 6 feet away. Each Cadweld Plus package is color coded for easy identification.



**T320**  
Flint Ignitor



**PLUSCU**  
Cadweld Plus  
Control Unit



**T111**  
Surefire™ Torch  
Head



**B160V**  
Chain Support  
Clamp



**B396**  
Magnetic Handle  
Clamp



**B265**  
Cable Clamp

# nVent Molds

A graphite mold is used for making most nVent connections. nVent molds will generally last an average of 50 or more connections under normal usage.

## Price Key and Handle Clamp and/or Frames

Handle clamps are required for most molds. Specialized frames with handles are used on some molds. Flint igniters are included with handle clamps. The following handle clamps are most widely used.

L160 for all molds having a "C", "E", "R" and "Q" mold price key (3" wide molds)

L159 for all molds having a "D", "F", "J" and "Z" mold price key (4" wide molds)

Handle Clamps with an "XL" prefix are for use with the Cadweld Exolon system and do not come with a flint igniter.

Mini E-Z Change Clamps for use with mini-welders.

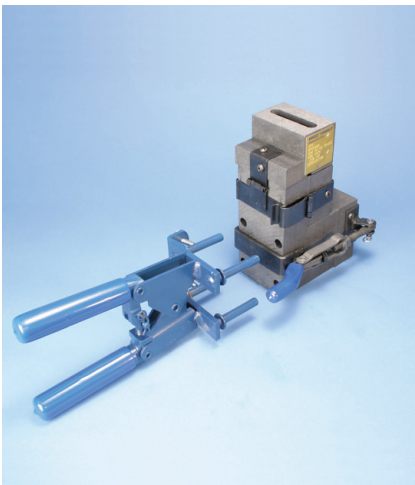
Pictured Below are the Molds and / or Frames and Handles for the Various Price Key Molds:



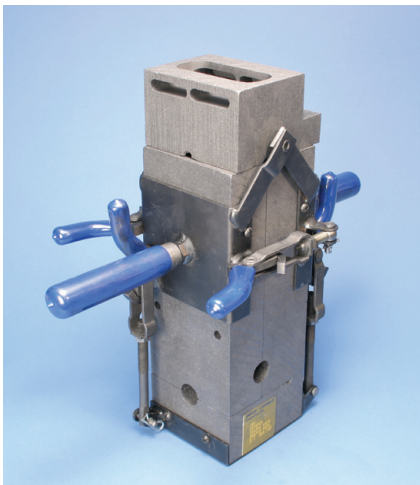
"A" Price Key Mold  
Includes Hold Down Frame



"C", "D", "F", "R", "Q" and "Z" Price Key  
Mold L160 or L159  
Handle Clamp Required



"E" and "J" Price Key Mold  
L160 or L159 Handle Clamp  
Required



"M" and "V" Price Key Mold  
Includes Frame with Handles

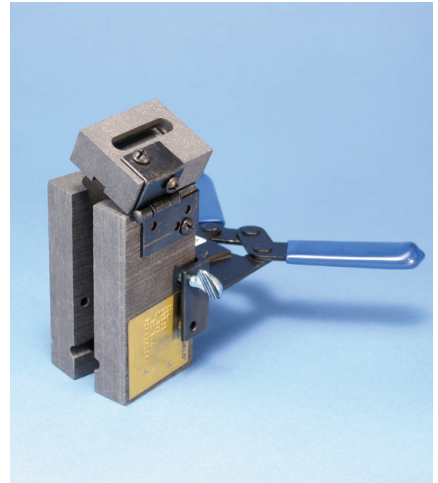
# nVent Molds



"H" Price Key Mold  
Includes Hold Down Frame  
with Handles



"G", "K", and "L" Price Key Mold Includes  
Frame with Handles



"T", "P" and "N" Price Key Mold  
Includes Mini-EZ Handle Clamp  
To order mold only, add an "M" suffix to  
the part number  
(for example, SST1TM)

## MOLD OPTIONS



### SPLIT CRUCIBLE MOLDS

Molds made with a horizontal opening and solid crucible section may be specified as a split crucible type. The advantage of the split crucible mold is easier cleaning.

To order a mold with a split crucible, add an "L" suffix to the mold part number (for example, TAC2G2GL).



### WEAR PLATES

Wear Plates reduce mechanical abrasion of molds at cable entry points and help prevent leakage of molten metal (particularly on larger 7 strand conductor). These features prolong mold life.

To order a mold with wear plates, add a "W" suffix to the mold part number (for example, PTC2G2GW).

Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**



[nVent.com/ERICO](https://www.nVent.com/ERICO)

**WARNING:** nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [nVent.com/ERICO](https://www.nVent.com/ERICO) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

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