



CONNECT AND PROTECT

nVent ERICO Cadweld Welded Electrical Connections

Quick Reference Product Guide

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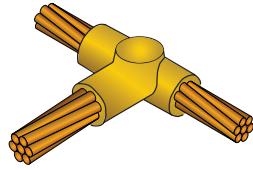
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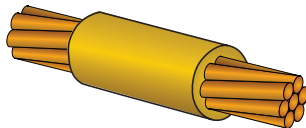
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Cable to Cable



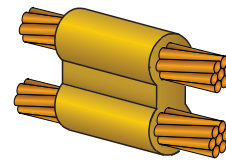
TA - HORIZONTAL TEE

| Conductor | | Mold | Welding Material (Qty) P/N | Cadweld Plus Welding Material P/N |
|-----------|---------|---------|----------------------------|-----------------------------------|
| Run | Tap | | | |
| 4 | 6 | TAC1L1H | 32 | 32PLUSF20 |
| | 4 | TAC1L1L | 32 | 32PLUSF20 |
| 2 SOL | 2 SOL | TAC1T1T | 45 | 45PLUSF20 |
| 2 | 4 | TAC1V1L | 45 | 45PLUSF20 |
| | 2 | TAC1V1V | 45 | 45PLUSF20 |
| 1/0 | 4 | TAC2C1L | 45 | 45PLUSF20 |
| | 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 |
| 3/0 | 2 | TAC2L1V | 45 | 45PLUSF20 |
| | 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 |
| | 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 |



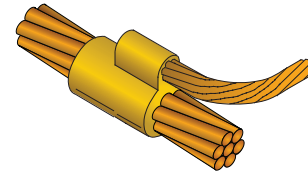
SS - HORIZONTAL SPLICE

| 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 | | Mold | Welding Material (Qty) P/N | Cadweld Plus Welding Material P/N |
|-----------|-------|---------|----------------------------|-----------------------------------|
| Run | Tap | | | |
| 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 |
| | 2/0 | PTC2Q2G | 150 | 150PLUSF20 |
| 4/0 | 3/0 | PTC2Q2L | 200 | 200PLUSF20 |
| | 4/0 | PTC2Q2Q | 200 | 200PLUSF20 |



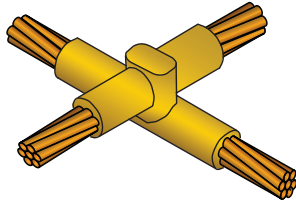
PC - PARALLEL TAP

| Conductor | | Mold | Welding Material (Qty) P/N | Cadweld Plus Welding Material P/N |
|-----------|-------|---------|----------------------------|-----------------------------------|
| Run | Tap | | | |
| 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)

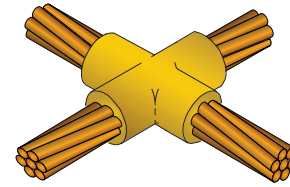
| Price Key | Notes |
|-----------|------------------------------------|
| C | Requires L160 Handle Clamp |
| P | Includes B399C Frame, T320 Ignitor |
| Q | Requires L160 Handle Clamp |
| T | Includes B399A Frame, T320 Ignitor |
| Z | Requires L159 Handle Clamp |

Cable to Cable • Cable to Bus / Lug



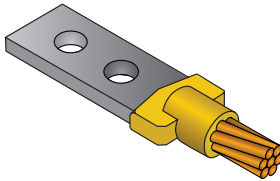
XB - LAPPED HORIZONTAL SPLICE

| Conductor | | | Welding Material (Qty) P/N | Cadweld Plus Welding Material P/N |
|-----------|-------|---------|----------------------------|-----------------------------------|
| Run | Tap | Mold | | |
| 6SOL | 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 |



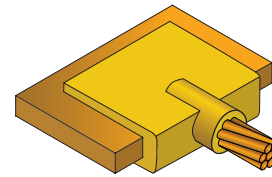
XA - HORIZONTAL SPLICE

| 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 |



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" 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" 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 |
| 1/4" x 1-1/2" Lug/Bus | 300 | LAC3AEE | 90 | 90PLUSF20 |
| | 350 | LAC3DEE | 115 | 115PLUSF20 |
| | 4/0 | LAC2QEG | 90 | 90PLUSF20 |
| | 250 | LAC2VEG | 90 | 90PLUSF20 |
| | 350 | LAC3DEG | 115 | 115PLUSF20 |
| | 500 | LAC3QEG | 200 | 200PLUSF20 |



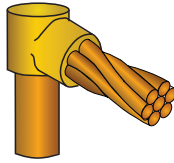
LJ - CABLE TO BUS BAR

| Bus Or Lug Size | Cable Size | Mold | Welding Material (Qty) P/N | Cadweld Plus Welding Material P/N |
|--------------------------------|------------|---------|----------------------------|-----------------------------------|
| 1/4" x 1-1/2" & Wider Lug/ Bus | 6 | LJCEG1H | 65 | 65PLUSF20 |
| | 2 SOL | LJCEG1T | 65 | 65PLUSF20 |
| | 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)

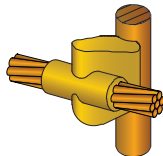
| Price Key | Notes |
|-----------|------------------------------------|
| C | Requires L160 Handle Clamp |
| P | Includes B399C Frame, T320 Ignitor |
| Q | Requires L160 Handle Clamp |
| T | Includes B399A Frame, T320 Ignitor |
| Z | Requires L159 Handle Clamp |

Cable to Ground Rod



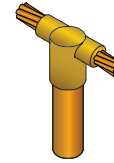
GR - CABLE TO GROUND ROD

| 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 |
| | 250 | GRC162V | 90 | 90PLUSF20 |
| | 500 | GRC163Q | 115 | 115PLUSF20 |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 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 |



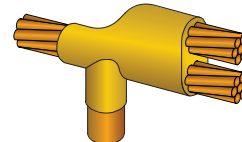
GY - THROUGH CABLE TO SIDE OF GROUND BAR

| 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 |
| | 2 SOL | GYR181T | 90 | 90PLUSF20 |
| | 2 | GYR181V | 90 | 90PLUSF20 |
| | 1/0 | GYR182C | 115 | 115PLUSF20 |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 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 |
| | 6 SOL | GTP181G | 45 | 45PLUSF20 |
| | 6 | GTP181H | 45 | 45PLUSF20 |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 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" Copper-bonded Sectional (threaded) or Plain | 2 SOL | NCR161T | 115 | 115PLUSF20 |
| | 2 | NCR161V | 115 | 115PLUSF20 |
| | 1/0 | NCR162C | 150 | 150PLUSF20 |
| | 2/0 | NCR162G | 200 | 200PLUSF20 |
| | 3/0 | NCR162L | 250 | 250PLUSF20 |
| | 4/0 | NCR162Q | 250 | 250PLUSF20 |
| 3/4" Copper-bonded Sectional (threaded) or Plain | 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)

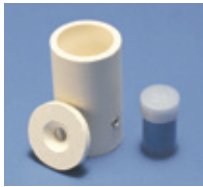
| | |
|---|------------------------------------|
| C | Requires L160 Handle Clamp |
| P | Includes B399C Frame, T320 Ignitor |
| T | Includes B399A Frame, T320 Ignitor |
| F | Requires L159 Handle Clamp |

Cable to Ground Rod

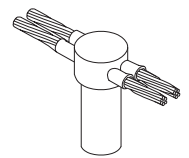
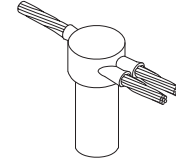
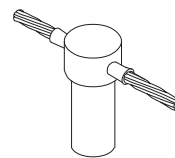
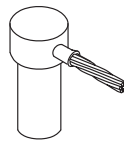
Cadweld One Shots and Cadweld Plus One Shots produce permanent exothermic connections to ground rods that will not loosen, corrode or increase in resistance for the life of the installation. A convenient, single-use ceramic mold eliminates the need for a mold and handle clamps and/or frame.

CADWELD ONE SHOT

| Concentric Conductor | | | Cadweld One Shot | | | |
|----------------------|----------|----------|------------------|---------|-------------------------------|-------------------------------|
| Ground Rod | 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 | NX1141V |
| 5/8" | 6, 8 | 8 | GR1161G | GT1161G | NT1161G NT1161L NT1161V | NX1161G NX1161L NX1161V |
| | 3, 4 | 4, 6 | GR1161L | GT1161L | | |
| | 1, 2 | 2, 3 | GR1161V | GT1161V | | |
| | 1, 2 | 1/0, 1 | GR1162C | GT1162C | | |
| | 2/0, 1/0 | 2/0 | GR1162G | GT1162G | | |
| | | 4/0 | GR1162Q | GT1162Q | | |
| 3/4" | 6, 8 | 8 | GR1181G | GT1181G | NT1181G NT1181L NT1181V | NX1181G NX1181L NX1181V |
| | 3, 4 | 4, 6 | GR1181L | GT1181L | | |
| | 1, 2 | 2, 3 | GR1181V | GT1181V | | |
| | 1, 2 | 1/0, 1 | GR1182C | GT1182C | | |
| | 2/0, 1/0 | 2/0 | GR1182G | GT1182G | | |
| | | 4/0 | GR1182Q | GT1182Q | | |



Requires flint ignitor p/n T320 (sold separately)

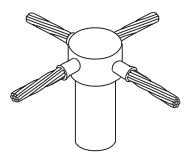
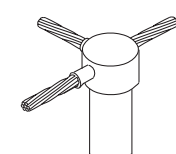
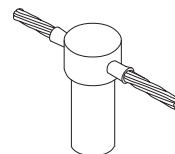
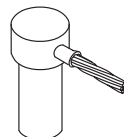


CADWELD PLUS ONE SHOT

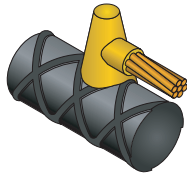
| Concentric Conductor | | | Cadweld Plus One | | | |
|----------------------|----------|----------|------------------|-------------|---|---|
| Ground Rod | Solid | Stranded | Type GR | Type GT | Type NT | Type NX |
| 1/2" | 6, 8 | 8 | GR1141GPLUS | GT1141GPLUS | NT1141GPLUS | NX1141GPLUS |
| | 3, 4 | 4, 6 | GR1141LPLUS | GT1141LPLUS | NT1141LPLUS | NX1141LPLUS |
| | 1, 2 | 2, 3 | GR1141VPLUS | GT1141VPLUS | NT1141VPLUS | NX1141VPLUS |
| 5/8" | 6, 8 | 8 | GR1161GPLUS | GT1161GPLUS | NT1161GPLUS NT1161LPLUS NT1161VPLUS | NX1161GPLUS NX1161LPLUS NX1161VPLUS |
| | 3, 4 | 4, 6 | GR1161LPLUS | GT1161LPLUS | | |
| | 1, 2 | 2, 3 | GR1161VPLUS | GT1161VPLUS | | |
| | 1, 2 | 1/0, 1 | GR1162CPLUS | GT1162CPLUS | | |
| | 2/0, 1/0 | 2/0 | GR1162GPLUS | GT1162GPLUS | | |
| | | 4/0 | GR1162QPLUS | GT1162QPLUS | | |
| 3/4" | 6, 8 | 8 | GR1181GPLUS | GT1181GPLUS | NT1181GPLUS NT1181LPLUS NT1181VPLUS | NX1181GPLUS NX1181LPLUS NX1181VPLUS |
| | 3, 4 | 4, 6 | GR1181LPLUS | GT1181LPLUS | | |
| | 1, 2 | 2, 3 | GR1181VPLUS | GT1181VPLUS | | |
| | 1, 2 | 1/0, 1 | GR1182CPLUS | GT1182CPLUS | | |
| | 2/0, 1/0 | 2/0 | GR1182GPLUS | GT1182GPLUS | | |
| | | 4/0 | GR1182QPLUS | GT1182QPLUS | | |



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

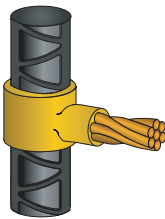


Cable to Rebar



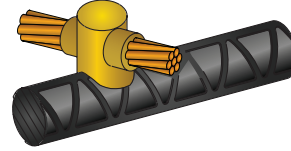
RR - CABLE TO REBAR

| 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 |
| | 3/0 | RRC532L | 115 | 115PLUSF20 | B141A |
| | 4/0 | RRC532Q | 115 | 115PLUSF20 | B141A |
| #6 | 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 |
| | 2/0 | RJC522G | 115 | 115PLUSF20 | B140A |
| | 3/0 | RJC522L | 150 | 150PLUSF20 | B140A |
| | 4/0 | RJC522Q | 150 | 150PLUSF20 | B140A |
| | 1/0 | RJC532C | 115 | 115PLUSF20 | B140A |
| #5 | 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 |



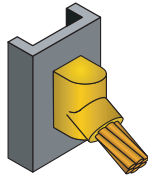
RD - CABLE TO REBAR

| 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 |
| | 2/0 | RDM522G | 115 | 115PLUSF20 | B141A |
| | 3/0 | RDM522L | 150 | 150PLUSF20 | B141A |
| #5 | 4/0 | RDM522Q | 150 | 150PLUSF20 | B141A |
| | 4 | RDC531L | 65 | 65PLUSF20 | B141A |
| | 2 | RDC531V | 90 | 90PLUSF20 | B141A |
| | 2/0 | RDM532G | 115 | 115PLUSF20 | B141A |
| | 3/0 | RDM532L | 150 | 150PLUSF20 | B141A |
| | 4/0 | RDM532Q | 150 | 150PLUSF20 | B141A |
| #6 | 4 | RDH541L | 65 | 65PLUSF20 | B144C |
| | 2 | RDH541V | 90 | 90PLUSF20 | B144C |
| | 2/0 | RDH542G | 115 | 115PLUSF20 | B144C |
| | 3/0 | RDH542L | 150 | 150PLUSF20 | B144A |
| | 4/0 | RDH542Q | 150 | 150PLUSF20 | B144A |
| | 2/0 | RDH562G | 115 | 115PLUSF20 | B144C |
| #8 | 3/0 | RDH562L | 150 | 150PLUSF20 | B144A |
| | 4/0 | RDH562Q | 150 | 150PLUSF20 | B144A |
| | 250 | RDH562V | 150 | 150PLUSF20 | B144A |

Handle Clamp / Frame (See Page 10)

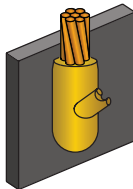
| | |
|---|-----------------------------------|
| A | Includes Frame With Handle |
| C | Requires L160 Handle Clamp |
| H | Includes Toggle Frame With Handle |
| M | Includes Frame With Handle |

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 | VSC1TV3C | 45 | 45PLUSF20 |
| 2" to 4" Pipe | 2/0 | VSC2GV3C | 90 | 90PLUSF20 |
| | 4/0 | VSC2QV3C | 115 | 115PLUSF20 |
| 4" to 6" Pipe | 2 SOL | VSC1TV5C | 45 | 45PLUSF20 |
| | 4/0 | VSC2QV5C | 115 | 115PLUSF20 |

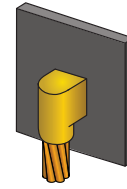


VF - CABLE TO VERTICAL STEEL

| 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 |

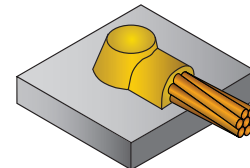
Handle Clamp / Frame (See Page 10)

| | |
|---|----------------------------|
| A | Includes Frame With Handle |
| C | Requires L160 Handle Clamp |
| H | Requires L160 Handle Clamp |



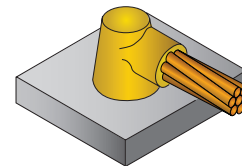
VB - CABLE TO VERTICAL STEEL

| 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

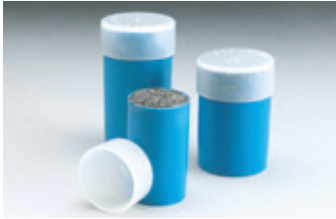
| Cable Size | Mold | Welding Material (Qty) P/N | Cadweld Plus Welding Material P/N |
|------------|-------|----------------------------|-----------------------------------|
| 6 SOL | HAA1G | 45 | 45PLUSF20 |
| 6 | HAA1H | 45 | 45PLUSF20 |
| 4 | HAA1L | 45 | 45PLUSF20 |
| 2 SOL | HAA1T | 45 | 45PLUSF20 |
| 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

| 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 |

| Rebar Packing | | |
|---------------|--|-----------------|
| P/N | Description | Qty. Per Carton |
| B140A | Copper Shim, 0.13" x 3" x 1.5" | 50 |
| B140B | Copper Shim, 0.013" x 3" x 2.5" | 50 |
| B141A* | Copper Shim, 0.13" x 3" x 1.5" | 50 |
| B143A | Ceramic Packing, 0.25" x 1.75" x 1.77" | 20 |
| B143B | Ceramic Packing, 0.25" x 2" x 1.75" | 20 |
| B144A | Ceramic Packing, 0.25" x 3" x 3" | 20 |
| B144C | Ceramic Packing, 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 ERICO 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.



L160 Handle Clamps
(Includes T320)



T313 Card
Cleaning Brush



T314
Cable Cleaning Brush



T321
Rasp



T394
Mold Cleaning Brush



T403
Mold Sealer



T320
Flint Ignitor



Pluscu
Cadweld Plus
Control Unit



T111
Surefire™ Torch Head



B160V
Chain Support Clamp



B396
Magnetic Handle
Clamp



B265
Cable Clamp

Cadweld Molds

A graphite mold is used for making most Cadweld connections. Cadweld 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

Cadweld 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

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 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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