

nVent ERICO Cadweld

Materials, Tools & Accessories



Traditional Cadweld

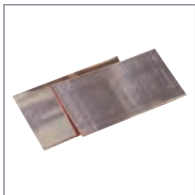


Cadweld Plus

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

ADAPTING MOLDS TO FIT CONDUCTORS

Cables smaller than indicated on mold tag can be welded by using either Wrap Sleeves or Adapter Sleeves



nVent ERICO Cadweld Wrap Sleeve B140A

Cadweld Wrap Sleeve is wrapped around the cable until the diameter is about the same as the cable opening in the mold.



nVent ERICO Cadweld Adapter Sleeves

Cadweld Adapter Sleeves are used to adapt a limited range of smaller size cables to a larger size Cadweld mold.

CADWELD ADAPTER SLEEVES

Cable Size			
Concentric Strand	Solid	Adapter Sleeve Part Number	Use in Mold for Stranded
#12, 14	#10, 12, 14	B1331H	#6
#7, 8, 10	#6, 8	B1331L	#4
#6	#5	B112	#2
#4, 5	#3, 4	B1331V	#2
#3, 4	#2	B1331Y	#1
#2	#1	B1332C	1/0
#1	1/0	B1332G	2/0
1/0, 1	2/0	B1332L	3/0
2/0, 1/0	3/0	B1332Q	4/0

Cadweld Accessories can be of U.S. or non-U.S. origin.



L160
Handle Clamps



T313
Card Cleaning Brush



T314
Cable Cleaning Brush



T321
Rasp



T394
Mold Cleaning Brush



T403
Mold Sealer



T320
Flint Ignitor



PLUSCU2L6
nVent ERICO Cadweld Plus Impulse Exothermic Welding Control Unit



T111
Surefire™ Torch Head



B160V
Chain Support Clamp



B396
Magnetic Handle Clamp



B265
Cable Clamp

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THE NVENT ERICO CADWELD PROCESS

Cadweld connections are the accepted method of attaching Cathodic Protection leads to pipes (steel or cast iron), tanks and structures.

Cadweld connections weld the conductors and the structure to be protected so no galvanic corrosion can occur at the interface. The Cadweld process is specifically formulated to provide minimum heat effect on steel, which is especially important on thin-wall, high-stress pipes.

Cadweld connections are also used for header cable taps, conductor splices and terminations, and ground rod connections.

NVENT FACTS

A Cadweld Connection . . .

- Has current carrying capacity equal to that of the conductor.
- Is permanent with a low resistance connection that cannot loosen or corrode.
- Uses lightweight, inexpensive equipment.
- Requires no external source of power or heat.
- Requires no special skills.
- Can be easily checked for quality.

nVent is the pioneer of the Cadweld Exothermic Welding Process for permanent Cathodic Protection connections. Specifying the Cadweld Process in your construction plans will dramatically extend the lifespan of infrastructure systems.

Cadweld connections are made with a semi-permanent graphite mold, which holds the conductors to be welded. Weld metal (a mixture of copper oxide and aluminum) is dumped into the top of the mold. The mold is covered and the weld metal ignited. The exothermic reaction produces molten copper, which results in a permanent, high conductivity connection.

