

Cable to Ground Rod or Other Rounds, Cathodic

Data Solutions



nVent ERICO Cadweld Cathodic Connections are the preferred method of exothermically welding cathodic protection anode leads to pipes (steel or cast iron), tanks, and other structures. Cathodic protection systems are designed to prevent galvanic corrosion along a pipeline or in various structures. nVent ERICO Cadweld Cathodic Connections use a special welding material alloy to minimize heat effect on the steel, which is especially important on thin wall and high stress pipes.

FEATURES

Forms a permanent, low resistance connection

Provides a molecular bond

nVent ERICO Cadweld Exothermic Connections are rated with the same current capacity as the conductor

Portable installation equipment with no external source of power required

Installers can be easily trained to make nVent ERICO Cadweld Exothermic Connections

Connections can be visually inspected

SPECIFICATIONS

Table 1/1

Catalog Number	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor Outer Diameter, Nominal
CAGRT161G	GR Mold Family	Copper-bonded	0.625in	14.3mm	#6 Solid	4.11mm
CAGRT181G	GR Mold Family	Copper-bonded	0.75in	17.32mm	#6 Solid	4.11mm
CAGTP161G	GT Mold Family	Copper-bonded	0.625in	14.3mm	#6 Solid	4.11mm

Catalog Number	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor Outer Diameter, Nominal
CAGRT161H	GR Mold Family	Copper-bonded	0.625in	14.3mm	#6 Concentric	4.67mm
CAGRT181H	GR Mold Family	Copper-bonded	0.75in	17.32mm	#6 Concentric	4.67mm
CAGTP161H	GT Mold Family	Copper-bonded	0.625in	14.3mm	#6 Concentric	4.67mm
CAGTP181H	GT Mold Family	Copper-bonded	0.75in	17.32mm	#6 Concentric	4.67mm
CAGRP181K	GR Mold Family	Copper-bonded	0.75in	17.32mm	#4 Solid	5.18mm
CAGRT161K	GR Mold Family	Copper-bonded	0.625in	14.3mm	#4 Solid	5.18mm
CAGTP161K	GT Mold Family	Copper-bonded	0.625in	14.3mm	#4 Solid	5.18mm
CAGTP161L	GT Mold Family	Copper-bonded	0.625in	14.3mm	#4 Concentric	5.89mm
CAGTP181L	GT Mold Family	Copper-bonded	0.75in	17.32mm	#4 Concentric	5.89mm
CAGRP161T	GR Mold Family	Copper-bonded	0.625in	14.3mm	#2 Solid	6.53mm
CAGFP14C1V	GF Mold Family	Steel	0.5in	12.83mm	#2 Concentric	7.42mm
CAGRP141V	GR Mold Family	Steel	0.5in	12.83mm	#2 Concentric	7.42mm
CAGRP161V	GR Mold Family	Copper-bonded	0.625in	14.3mm	#2 Concentric	7.42mm
CAGRP181V	GR Mold Family	Copper-bonded	0.75in	17.32mm	#2 Concentric	7.42mm
CAGTP161V	GT Mold Family	Copper-bonded	0.625in	14.3mm	#2 Concentric	7.42mm
CAGTP181V	GT Mold Family	Copper-bonded	0.75in	17.32mm	#2 Concentric	7.42mm
CAGRP162C	GR Mold Family	Copper-bonded	0.625in	14.3mm	1/0 Concentric	9.47mm
CAGRP182C	GR Mold Family	Copper-bonded	0.75in	17.32mm	1/0 Concentric	9.47mm

CatalogNumber	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor OuterDiameter, Nominal
CAGRP162G	GR Mold Family	Copper-bonded	0.625in	14.3mm	2/0 Concentric	10.62mm
CAGRP162GM	GR Mold Family	Copper-bonded	0.625in	14.3mm	2/0 Concentric	10.62mm
CAGRP182G	GR Mold Family	Copper-bonded	0.75in	17.32mm	2/0 Concentric	10.62mm
CAGTN162GM	GT Mold Family	Copper-bonded	0.625in	14.3mm	2/0 Concentric	10.62mm
CAGTN182G	GT Mold Family	Copper-bonded	0.75in	17.32mm	2/0 Concentric	10.62mm

ADDITIONAL PRODUCT DETAILS

For applications such as computer room, tunnel or other low-ventilation areas, specify a smokeless nVent ERICO Cadweld Exolon mold. Add an XL prefix to the standard mold part number when ordering (for example, a TAC2Q2Q becomes XLTAC2Q2Q). Similarly, nVent ERICO Cadweld Exolon welding material is also designated by the XL prefix (for example, 150 becomes XL150).

A gap between conductors may be required. See mold tag for more information.

Use XF19 or PLUSXF19 welding material on connections to ductile iron.

CA-XX-X-XX-XX-L-M-W		
CA	Cathodic Designation	
XX	Mold Family	
X	Price Key	
XX	Ground Rod Code	
XX	Conductor Code	
L*	Split Crucible	Crucible section is split on molds designed with horizontal opening for easier cleaning
M*	Mold Only	
W*	Wear Plates	Reduce mechanical abrasion of molds at cable entry points

* Empty if none

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 www.nvent.com 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 death and/or void your warranty.



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