

nVent ERICO Cadweld One Shot, Cable to Ground Rod



CERTIFICATIONS



DIAGRAMS



FEATURES

Single use ceramic mold which eliminates the need for a graphite mold and handle clamp/frame

Produces a permanent connection that will not loosen or corrode

Fits plain copper-bonded, threaded copper-bonded, full-size galvanized and stainless steel ground rods

NEC® compliant

SPECIFICATIONS

Table 1/2

Catalog Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Solid
NT1181L	Traditional	NT (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
NT1181LPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
NT1181V	Traditional	NT (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
NT1181VPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
NX1141G	Traditional	NX (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
NX1141GPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
NX1141L	Traditional	NX (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
NX1141LPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
NX1161G	Traditional	NX (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
NX1161G1TPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	0.560" - 0.64"		#8, #6, #2
NX1161GPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
NX1161L	Traditional	NX (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
NX1161LPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
NX1161V	Traditional	NX (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1
NX1161VPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1
NX1181G	Traditional	NX (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6
NX1181GPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6

CatalogNumber	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Solid
NX1181L	Traditional	NX (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
NX1181LPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
NX1181V	Traditional	NX (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
NX1181VPLUS	nVent ERICO Cadweld Plus	NX (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
GR1141G	Traditional	GR (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
GR1141GPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
GR1141L	Traditional	GR (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
GR1141LPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
GR1141V	Traditional	GR (ONE SHOT)	1/2"	0.440" - 0.51"	50 mm ²	#2, #1
GR1141VPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	1/2"	0.440" - 0.51"	50 mm ²	#2, #1
GR1161G	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
GR1161GF	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
GR1161GPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
GR1161L	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
GR1161LPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
GR1161V	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1
GR1161VPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1

CatalogNumber	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Solid
GR1162C	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"		#1, #2
GR1162CPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	0.560" - 0.64"		#2, #1
GR1162G	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"	70 mm ²	
GR1162GPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	0.560" - 0.64"	70 mm ²	
GR1162Q	Traditional	GR (ONE SHOT)	5/8"	0.560" - 0.64"		
GR1162QPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	0.560" - 0.64"		
GR1181G	Traditional	GR (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6
GR1181GPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6
GR1181L	Traditional	GR (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
GR1181LPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
GR1181V	Traditional	GR (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
GR1181VPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
GR1182C	Traditional	GR (ONE SHOT)	3/4"	0.670" - 0.77"		#1, #2
GR1182CPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	0.670" - 0.77"		#2, #1
GR1182G	Traditional	GR (ONE SHOT)	3/4"	0.670" - 0.77"	70 mm ²	
GR1182GPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	0.670" - 0.77"	70 mm ²	
GR1182Q	Traditional	GR (ONE SHOT)	3/4"	0.670" - 0.77"		

CatalogNumber	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Solid
GR1182QPLUS	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	0.670" - 0.77"		
GT1141G	Traditional	GT (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
GT1141GPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
GT1141L	Traditional	GT (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
GT1141LPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
GT1141V	Traditional	GT (ONE SHOT)	1/2"	0.440" - 0.51"	50 mm ²	#2, #1
GT1141VPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	0.440" - 0.51"	50 mm ²	#2, #1
GT1142GPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	0.440" - 0.51"	70 mm ²	
GT1161G	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
GT1161GPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
GT1161L	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"	25 mm ²	#4, #3
GT1161LF	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
GT1161LPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
GT1161V	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"	35 - 50 mm ²	#2, #1
GT1161VF	Traditional	GT (ONE SHOT)	5/8"	0.610" - 0.64"	50 mm ²	#2, #1
GT1161VPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1
GT1162C	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"		#1, #2

CatalogNumber	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Solid
GT1162CPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	0.560" - 0.64"		#2, #1
GT1162G	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"	70 mm ²	
GT1162GPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	0.560" - 0.64"	70 mm ²	
GT1162Q	Traditional	GT (ONE SHOT)	5/8"	0.560" - 0.64"		#3
GT1162QPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	0.560" - 0.64"		
GT1181G	Traditional	GT (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6
GT1181GPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6
GT1181L	Traditional	GT (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
GT1181LPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	0.670" - 0.77"		#4, #3
GT1181V	Traditional	GT (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
GT1181VPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	0.670" - 0.77"	50 mm ²	#2, #1
GT1182C	Traditional	GT (ONE SHOT)	3/4"	0.670" - 0.77"		#1, #2
GT1182CPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	0.670" - 0.77"		#2, #1
GT1182G	Traditional	GT (ONE SHOT)	3/4"	0.670" - 0.77"	70 mm ²	
GT1182GPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	0.670" - 0.77"	70 mm ²	
GT1182Q	Traditional	GT (ONE SHOT)	3/4"	0.670" - 0.77"		
GT1182QPLUS	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	0.670" - 0.77"		

CatalogNumber	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Solid
NT1141G	Traditional	NT (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
NT1141GPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	1/2"	0.440" - 0.51"	10 mm ²	#8, #6
NT1141L	Traditional	NT (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
NT1141LPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	1/2"	0.440" - 0.51"		#4, #3
NT1141V	Traditional	NT (ONE SHOT)	1/2"	0.440" - 0.51"	50 mm ²	#2, #1
NT1141VPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	1/2"	0.440" - 0.51"	50 mm ²	#2, #1
NT1161G	Traditional	NT (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
NT1161G1TPLU S	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	0.560" - 0.64"		#8, #6, #2
NT1161GPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	0.560" - 0.64"	10 mm ²	#8, #6
NT1161L	Traditional	NT (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
NT1161LPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	0.560" - 0.64"		#4, #3
NT1161V	Traditional	NT (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1
NT1161VPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	0.560" - 0.64"	50 mm ²	#2, #1
NT1181G	Traditional	NT (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6
NT1181GPLUS	nVent ERICO Cadweld Plus	NT (ONE SHOT)	3/4"	0.670" - 0.77"	10 mm ²	#8, #6

Table 2/2

Catalog Number	Connection, Stranded	Certifications
NT1181L	#6, #4	cUL, UL

Catalog Number	Connection, Stranded	Certifications
NT1181LPLUS	#6, #4	UL, cUL
NT1181V	#3, #2	cUL, UL
NT1181VPLUS	#3, #2	UL, cUL
NX1141G	#8	UL, cUL
NX1141GPLUS	#8	cUL, UL
NX1141L	#6, #4	UL, cUL
NX1141LPLUS	#6, #4	cUL, UL
NX1161G	#8	UL, cUL
NX1161G1TPLUS	#8	UL, cUL
NX1161GPLUS	#8	cUL, UL
NX1161L	#6, #4	UL, cUL
NX1161LPLUS	#6, #4	cUL, UL
NX1161V	#3, #2	UL, cUL
NX1161VPLUS	#3, #2	cUL, UL
NX1181G	#8	UL, cUL
NX1181GPLUS	#8	cUL, UL
NX1181L	#6, #4	UL, cUL
NX1181LPLUS	#6, #4	cUL, UL

Catalog Number	Connection, Stranded	Certifications
NX1181V	#3, #2	UL, cUL
NX1181VPLUS	#3, #2	cUL, UL
GR1141G	#8	UL, cUL
GR1141GPLUS	#8	cUL, UL
GR1141L	#6, #4	UL, cUL
GR1141LPLUS	#6, #4	UL, cUL
GR1141V	#3, #2	cUL, UL
GR1141VPLUS	#3, #2	UL, cUL
GR1161G	#8	UL, RUS, cUL
GR1161GF	#8	cUL, UL
GR1161GPLUS	#8	UL, cUL
GR1161L	#6, #4	cUL, UL
GR1161LPLUS	#6, #4	UL, cUL
GR1161V	#3, #2	cUL, UL
GR1161VPLUS	#3, #2	UL, cUL
GR1162C	1/0	cUL, UL
GR1162CPLUS	1/0	UL, cUL
GR1162G	2/0	cUL, UL

Catalog Number	Connection, Stranded	Certifications
GR1162GPLUS	2/0	UL, cUL
GR1162Q	3/0, 4/0	cUL, UL
GR1162QPLUS	3/0, 4/0	UL, cUL
GR1181G	#8	cUL, UL, RUS
GR1181GPLUS	#8	UL, cUL
GR1181L	#6, #4	UL, cUL
GR1181LPLUS	#6, #4	cUL, UL
GR1181V	#3, #2	UL, cUL
GR1181VPLUS	#3, #2	UL, cUL
GR1182C	#1	cUL, UL
GR1182CPLUS	#1	UL, cUL
GR1182G	2/0	UL, cUL
GR1182GPLUS	2/0	cUL, UL
GR1182Q	3/0, 4/0	UL, cUL
GR1182QPLUS	3/0, 4/0	UL, cUL
GT1141G	#8	cUL, UL
GT1141GPLUS	#8	UL, cUL
GT1141L	#6, #4	cUL, UL

Catalog Number	Connection, Stranded	Certifications
GT1141LPLUS	#6, #4	cUL, UL
GT1141V	#3, #2	UL, cUL
GT1141VPLUS	#3, #2	cUL, UL
GT1142GPLUS	2/0	cUL, UL
GT1161G	#8	UL, RUS, cUL
GT1161GPLUS	#8	cUL, UL
GT1161L	#6, #4	UL, cUL
GT1161LF	#6, #4	cUL, UL
GT1161LPLUS	#6, #4	UL, cUL
GT1161V	#3, #2	cUL, UL
GT1161VF	#3, #2	UL, cUL
GT1161VPLUS	#3, #2	cUL, UL
GT1162C	1/0	UL, cUL
GT1162CPLUS	1/0	cUL, UL
GT1162G	2/0	UL, cUL
GT1162GPLUS	2/0	cUL, UL
GT1162Q	3/0, 4/0	UL, cUL
GT1162QPLUS	3/0, 4/0	cUL, UL

Catalog Number	Connection, Stranded	Certifications
GT1181G	#8	UL, cUL, RUS
GT1181GPLUS	#8	UL, cUL
GT1181L	#6, #4	cUL, UL
GT1181LPLUS	#6, #4	UL, cUL
GT1181V	#3, #2	UL, cUL
GT1181VPLUS	#3, #2	cUL, UL
GT1182C	1/0	UL, cUL
GT1182CPLUS	1/0	UL, cUL
GT1182G	2/0	cUL, UL
GT1182GPLUS	2/0	UL, cUL
GT1182Q	3/0, 4/0	UL, cUL
GT1182QPLUS	3/0, 4/0	cUL, UL
NT1141G	#8	UL, cUL
NT1141GPLUS	#8	cUL, UL
NT1141L	#6, #4	UL, cUL
NT1141LPLUS	#6, #4	cUL, UL
NT1141V	#3, #2	UL, cUL
NT1141VPLUS	#3, #2	cUL, UL

Catalog Number	Connection, Stranded	Certifications
NT1161G	#8	UL, cUL
NT1161G1TPLUS	#8	cUL, UL
NT1161GPLUS	#8	UL, cUL
NT1161L	#6, #4	cUL, UL
NT1161LPLUS	#6, #4	UL, cUL
NT1161V	#3, #2	cUL, UL
NT1161VPLUS	#3, #2	UL, cUL
NT1181G	#8	cUL, UL
NT1181GPLUS	#8	UL, cUL

ADDITIONAL PRODUCT DETAILS

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

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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