

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	Article Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid
NT1181L		Traditional	NT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
NT1181LPLUS	165784	nVent ERICO Cadweld Plus	NT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
NT1181V		Traditional	NT (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
NT1181VPLUS	165785	nVent ERICO Cadweld Plus	NT (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
NX1141G		Traditional	NX (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
NX1141GPLUS	165786	nVent ERICO Cadweld Plus	NX (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
NX1141L		Traditional	NX (ONE SHOT)	1/2"	11.2 - 12.88 mm	
NX1141LPLUS	165787	nVent ERICO Cadweld Plus	NX (ONE SHOT)	1/2"	11.2 - 12.88 mm	
NX1161G		Traditional	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
NX1161G1TPLUS		nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	
NX1161GPLUS	165788	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
NX1161L		Traditional	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	
NX1161LPLUS	165789	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	
NX1161V		Traditional	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
NX1161VPLUS	165790	nVent ERICO Cadweld Plus	NX (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
NX1181G		Traditional	NX (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²
NX1181GPLUS	165791	nVent ERICO Cadweld Plus	NX (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²

CatalogNumber	Article Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid
NX1181L		Traditional	NX (ONE SHOT)	3/4"	17.1 - 19.43 mm	
NX1181LPLUS	165792	nVent ERICO Cadweld Plus	NX (ONE SHOT)	3/4"	17.1 - 19.43 mm	
NX1181V		Traditional	NX (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
NX1181VPLUS	165793	nVent ERICO Cadweld Plus	NX (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
GR1141G		Traditional	GR (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
GR1141GPLUS	165750	nVent ERICO Cadweld Plus	GR (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
GR1141L		Traditional	GR (ONE SHOT)	1/2"	11.2 - 12.88 mm	
GR1141LPLUS	165751	nVent ERICO Cadweld Plus	GR (ONE SHOT)	1/2"	11.2 - 12.88 mm	
GR1141V		Traditional	GR (ONE SHOT)	1/2"	11.2 - 12.88 mm	50 mm ²
GR1141VPLUS	165752	nVent ERICO Cadweld Plus	GR (ONE SHOT)	1/2"	11.2 - 12.88 mm	50 mm ²
GR1161G		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
GR1161GF		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
GR1161GPLUS	165753	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
GR1161L		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GR1161LPLUS	165754	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GR1161V		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
GR1161VPLUS	165755	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
GR1162C		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	

CatalogNumber	Article Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid
GR1162CPLUS	165756	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GR1162G		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	70 mm ²
GR1162GPLUS	165757	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	70 mm ²
GR1162Q		Traditional	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GR1162QPLUS	165758	nVent ERICO Cadweld Plus	GR (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GR1181G		Traditional	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²
GR1181GPLUS	165759	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²
GR1181L		Traditional	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GR1181LPLUS	165760	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GR1181V		Traditional	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
GR1181VPLUS	165761	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
GR1182C		Traditional	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GR1182CPLUS	165762	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GR1182G		Traditional	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	70 mm ²
GR1182GPLUS	165763	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	70 mm ²
GR1182Q		Traditional	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GR1182QPLUS	165764	nVent ERICO Cadweld Plus	GR (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GT1141G		Traditional	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²

CatalogNumber	Article Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid
GT1141GPLUS	165765	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
GT1141L		Traditional	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	
GT1141LPLUS	165766	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	
GT1141V		Traditional	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	50 mm ²
GT1141VPLUS	165767	nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	50 mm ²
GT1142GPLUS		nVent ERICO Cadweld Plus	GT (ONE SHOT)	1/2"	11.2 - 12.88 mm	70 mm ²
GT1161G		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
GT1161GPLUS	165768	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
GT1161L		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	25 mm ²
GT1161LF		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GT1161LPLUS	165769	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GT1161V		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	35 - 50 mm ²
GT1161VF		Traditional	GT (ONE SHOT)	5/8"	15.6 - 16.13 mm	50 mm ²
GT1161VPLUS	165770	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
GT1162C		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GT1162CPLUS	165771	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GT1162G		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	70 mm ²
GT1162GPLUS	165772	nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	70 mm ²

CatalogNumber	Article Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid
GT1162Q		Traditional	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GT1162QPLUS		nVent ERICO Cadweld Plus	GT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
GT1181G		Traditional	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²
GT1181GPLUS	165773	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²
GT1181L		Traditional	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GT1181LPLUS	165774	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GT1181V		Traditional	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
GT1181VPLUS	165775	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	50 mm ²
GT1182C		Traditional	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GT1182CPLUS	165776	nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GT1182G		Traditional	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	70 mm ²
GT1182GPLUS		nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	70 mm ²
GT1182Q		Traditional	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
GT1182QPLUS		nVent ERICO Cadweld Plus	GT (ONE SHOT)	3/4"	17.1 - 19.43 mm	
NT1141G		Traditional	NT (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
NT1141GPLUS	165777	nVent ERICO Cadweld Plus	NT (ONE SHOT)	1/2"	11.2 - 12.88 mm	10 mm ²
NT1141L		Traditional	NT (ONE SHOT)	1/2"	11.2 - 12.88 mm	
NT1141LPLUS	165778	nVent ERICO Cadweld Plus	NT (ONE SHOT)	1/2"	11.2 - 12.88 mm	

CatalogNumber	Article Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid
NT1141V		Traditional	NT (ONE SHOT)	1/2"	11.2 - 12.88 mm	50 mm ²
NT1141VPLUS	165779	nVent ERICO Cadweld Plus	NT (ONE SHOT)	1/2"	11.2 - 12.88 mm	50 mm ²
NT1161G		Traditional	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
NT1161G1TPLUS		nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
NT1161GPLUS	165780	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	10 mm ²
NT1161L		Traditional	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
NT1161LPLUS	165781	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	
NT1161V		Traditional	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
NT1161VPLUS	165782	nVent ERICO Cadweld Plus	NT (ONE SHOT)	5/8"	14.1 - 16.13 mm	50 mm ²
NT1181G		Traditional	NT (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²
NT1181GPLUS	165783	nVent ERICO Cadweld Plus	NT (ONE SHOT)	3/4"	17.1 - 19.43 mm	10 mm ²

Table 2/2

Catalog Number	Article Number	Connection, Stranded	Certifications
NT1181L		16 mm ²	cUL, UL
NT1181LPLUS	165784	16 mm ²	UL, cUL
NT1181V		25 mm ² , 35 mm ²	cUL, UL
NT1181VPLUS	165785	25 mm ² , 35 mm ²	UL, cUL
NX1141G		10 mm ²	UL, cUL

Catalog Number	Article Number	Connection, Stranded	Certifications
NX1141GPLUS	165786	10 mm ²	cUL, UL
NX1141L		16 mm ²	UL, cUL
NX1141LPLUS	165787	16 mm ²	cUL, UL
NX1161G		10 mm ²	UL, cUL
NX1161G1TPLUS		10 mm ²	UL, cUL
NX1161GPLUS	165788	10 mm ²	cUL, UL
NX1161L		16 mm ²	UL, cUL
NX1161LPLUS	165789	16 mm ²	cUL, UL
NX1161V		25 mm ² , 35 mm ²	UL, cUL
NX1161VPLUS	165790	25 mm ² , 35 mm ²	cUL, UL
NX1181G		10 mm ²	UL, cUL
NX1181GPLUS	165791	10 mm ²	cUL, UL
NX1181L		16 mm ²	UL, cUL
NX1181LPLUS	165792	16 mm ²	cUL, UL
NX1181V		25 mm ² , 35 mm ²	UL, cUL
NX1181VPLUS	165793	25 mm ² , 35 mm ²	cUL, UL
GR1141G		10 mm ²	UL, cUL
GR1141GPLUS	165750	10 mm ²	cUL, UL

Catalog Number	Article Number	Connection, Stranded	Certifications
GR1141L		16 mm ²	UL, cUL
GR1141LPLUS	165751	16 mm ²	UL, cUL
GR1141V		25 mm ² , 35 mm ²	cUL, UL
GR1141VPLUS	165752	25 mm ² , 35 mm ²	UL, cUL
GR1161G		10 mm ²	UL, RUS, cUL
GR1161GF		10 mm ²	cUL, UL
GR1161GPLUS	165753	10 mm ²	UL, cUL
GR1161L		16 mm ²	cUL, UL
GR1161LPLUS	165754	16 mm ²	UL, cUL
GR1161V		25 mm ² , 35 mm ²	cUL, UL
GR1161VPLUS	165755	25 mm ² , 35 mm ²	UL, cUL
GR1162C		50 mm ²	cUL, UL
GR1162CPLUS	165756	50 mm ²	UL, cUL
GR1162G		70 mm ²	cUL, UL
GR1162GPLUS	165757	70 mm ²	UL, cUL
GR1162Q		95 mm ² , 120 mm ²	cUL, UL
GR1162QPLUS	165758	95 mm ² , 120 mm ²	UL, cUL
GR1181G		10 mm ²	cUL, UL, RUS

Catalog Number	Article Number	Connection, Stranded	Certifications
GR1181GPLUS	165759	10 mm ²	UL, cUL
GR1181L		16 mm ²	UL, cUL
GR1181LPLUS	165760	16 mm ²	cUL, UL
GR1181V		25 mm ² , 35 mm ²	UL, cUL
GR1181VPLUS	165761	25 mm ² , 35 mm ²	UL, cUL
GR1182C		50 mm ²	cUL, UL
GR1182CPLUS	165762	50 mm ²	UL, cUL
GR1182G		70 mm ²	UL, cUL
GR1182GPLUS	165763	70 mm ²	cUL, UL
GR1182Q		95 mm ² , 120 mm ²	UL, cUL
GR1182QPLUS	165764	95 mm ² , 120 mm ²	UL, cUL
GT1141G		10 mm ²	cUL, UL
GT1141GPLUS	165765	10 mm ²	UL, cUL
GT1141L		16 mm ²	cUL, UL
GT1141LPLUS	165766	16 mm ²	cUL, UL
GT1141V		25 mm ² , 35 mm ²	UL, cUL
GT1141VPLUS	165767	25 mm ² , 35 mm ²	cUL, UL
GT1142GPLUS		70 mm ²	cUL, UL

Catalog Number	Article Number	Connection, Stranded	Certifications
GT1161G		10 mm ²	UL, RUS, cUL
GT1161GPLUS	165768	10 mm ²	cUL, UL
GT1161L		16 - 25 mm ²	UL, cUL
GT1161LF		16 mm ²	cUL, UL
GT1161LPLUS	165769	16 mm ²	UL, cUL
GT1161V		25 mm ² , 35 mm ²	cUL, UL
GT1161VF		25 mm ² , 35 mm ²	UL, cUL
GT1161VPLUS	165770	25 mm ² , 35 mm ²	cUL, UL
GT1162C		50 mm ²	UL, cUL
GT1162CPLUS	165771	50 mm ²	cUL, UL
GT1162G		70 mm ²	UL, cUL
GT1162GPLUS	165772	70 mm ²	cUL, UL
GT1162Q		95 mm ² , 120 mm ²	UL, cUL
GT1162QPLUS		95 mm ² , 120 mm ²	cUL, UL
GT1181G		10 mm ²	UL, cUL, RUS
GT1181GPLUS	165773	10 mm ²	UL, cUL
GT1181L		16 mm ²	cUL, UL
GT1181LPLUS	165774	16 mm ²	UL, cUL

Catalog Number	Article Number	Connection, Stranded	Certifications
GT1181V		25 mm ² , 35 mm ²	UL, cUL
GT1181VPLUS	165775	25 mm ² , 35 mm ²	cUL, UL
GT1182C		50 mm ²	UL, cUL
GT1182CPLUS	165776	50 mm ²	UL, cUL
GT1182G		70 mm ²	cUL, UL
GT1182GPLUS		70 mm ²	UL, cUL
GT1182Q		95 mm ² , 120 mm ²	UL, cUL
GT1182QPLUS		95 mm ² , 120 mm ²	cUL, UL
NT1141G		10 mm ²	UL, cUL
NT1141GPLUS	165777	10 mm ²	cUL, UL
NT1141L		16 mm ²	UL, cUL
NT1141LPLUS	165778	16 mm ²	cUL, UL
NT1141V		25 mm ² , 35 mm ²	UL, cUL
NT1141VPLUS	165779	25 mm ² , 35 mm ²	cUL, UL
NT1161G		10 mm ²	UL, cUL
NT1161G1TPLUS		10 mm ²	cUL, UL
NT1161GPLUS	165780	10 mm ²	UL, cUL
NT1161L		16 mm ²	cUL, UL

Catalog Number	Article Number	Connection, Stranded	Certifications
NT1161LPLUS	165781	16 mm ²	UL, cUL
NT1161V		25 mm ² , 35 mm ²	cUL, UL
NT1161VPLUS	165782	25 mm ² , 35 mm ²	UL, cUL
NT1181G		10 mm ²	cUL, UL
NT1181GPLUS	165783	10 mm ²	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.

North America

+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical
Support

Europe

Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe

Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC

Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE