

Exothermic Connections



Properly installed exothermic connections are essential to the grid intensity and system reliability for the life of the substation, as well as ensuring safe conditions for workers and the general public. Harger offers two systems for making exothermic connections, UltraShot® and NUWTube™

UltraShot®

- Ignites UltraShot® copper drop-in weld metal cartridges that are consumed in the exothermic connection
- Utilizes a Milwaukee® M18™ REDLITHIUM™ XC 4.0 18 VDC battery featuring a built-in fuel gauge, the DRONE makes over 1300 connections on a single charge
- The ultra bright LED indicates instantaneous ignition
- Borrowing from our previous model, the dual trigger ignition design adds an additional safety measure
- Includes a 6 ft cord featuring a quick latch disconnect which allows for easy storage
- Does not include battery

NUWTube™ Ultraweld

- Dual chambers design holds starting material and weld metals separately, in the same tube
- Contains instructions and metal disks, one metal disk is used for each connection
- Mixture of copper oxide and aluminum, is packaged in individual, moisture resistant plastic tubes
- Each cartridge is marked with the size
- 150 welding powder size
- Ultraweld metal end connection

Compression Grounding Series



CGCX Series						
Product No.	Cable to Cable Element A	Cable to Cable Element B	Cable to Ground Rod Element A	Cable to Ground Rod Element B	Cable to Reinforcing Steel Element A	Cable to Reinforcing Steel Element B
CGCX2502	#2 str. - 250 kcmil	#2 str. - 250 kcmil	1/2" - 5/8" Rod	#2 str. - 250 kcmil	3/18" - 1/2" #3-4 Reinforcing Steel	#2 str. - 250 kcmil
CGCX2506	250 kcmil - 500 kcmil	#2 str. - 250 kcmil	5/8" - 3/4" Ground Rod	#2 str. - 250 kcmil	5/8" - 3/4" #5 - 6 Reinforcing Steel	#2 str. - 250 kcmil

Installation Tools, Die Set Catalog Number, Number of Crimps				
Product No.	Element A	Element A Number of Crimps	Cable to Ground Rod Element A	Element B Number of Crimps
CGCX2502	U997	1	U997	1
CGCX2506	U998	1	U997	1



Ground Rod Dia.	Precrimping Dies
1/2"	U2CABT
5/8"	U2CABT
3/4"	U2CABT



CGET Series				
Product No.	Run	Tap	Die Index No.	No. of Crimps
CGET26	#6 Sol. - #2 Str. OR 1/4" Rod	#6 Sol. - 2/0 Str.	U-C	1
CGET2/06	1 Str. - 2/0 Str. OR 3/8" Rod	#6 Sol. - 2/0 Str.	U-0	1
CGET2/01	1 Str. - 2/0 Str. OR 3/8" Rod	1 Str. - 2/0 Str.	U-0	1
CGET2506	3/0 Str. - 250 kcmil OR 1/2" - 5/8" Rod	#6 Sol. - 2/0 Str.	U997	1
CGET2503/0	3/0 Str. - 250 kcmil OR 1/2" - 5/8" Rod	3/0 Str. - 250 kcmil	U997	1
CGET5006	300 kcmil - 500 kcmil OR 3/4" Rod	#6 Sol. - 2/0 Str.	U1011	2
CGET5003/0	300 kcmil - 500 kcmil	3/0 Str. - 250 kcmil	U1011	2
CGET500300	300 kcmil - 500 kcmil	300 kcmil - 500 kcmil	U1011	3

CGCX Series						
Product No.	Run A	Tap A	Run B	Tap B	Die Index No.	No. of Crimps
CGCR2504	1/0 str. - 250 kcmil OR 1/2" - 5/8" Rod	#4 Sol. - #2 Str.	#3 -#4 Reinforcing Steel	#2 str.	U997	1
CGCR2501/0	1/0 str. - 250 kcmil OR 1/2" - 5/8" Rod	1/0 Str. - 2/0 Str.	#3 -#4 Reinforcing Steel	1/0 Str. - 2/0 STR.	U997	1
CGCR2503/0	1/0 str. - 250 kcmil OR 1/2" - 5/8" Rod	3/0 Str. - 250 kcmil	#3 -#4 Reinforcing Steel	3/0 Str. - 250 kcmil	U997	1
CGCR5004	250 kcmil - 500 kcmil OR 5/8" - 3/4" Rod	#4 Sol. - #2 Str.	#5 -#6 Reinforcing Steel	-	U998	1
CGCR5001/0	250 kcmil - 500 kcmil OR 5/8" - 1/2" Rod	1/0 Str. - 2/0 Str.	#5 -#6 Reinforcing Steel	1/0 Str. - 2/0 Str.	U998	1
CGCR5003/0	250 kcmil - 500 kcmil OR 5/8" - 3/4" Rod	3/0 Str. - 250 kcmil	#5 -#6 Reinforcing Steel	3/0 Str. - 250 kcmil	U998	1