CT-300-1

OPERATION INSTRUCTIONS

Contour Crimp CONTROLLED CYCLE CRIMPING TOOL

Crimps Panduit fully insulated right angle disconnects for No. #22-#14 AWG wire.

Provides UL Listed and CSA Certified terminations with applicable Panduit disconnects.

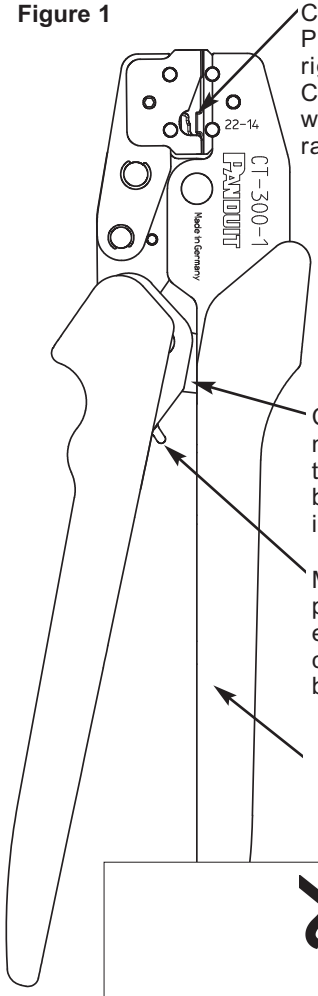
Part No. CT-300-1

OPERATION INSTRUCTIONS

INSULATED DISCONNECT CRIMPING INSTRUCTIONS

1. With the handles in the ***open*** position, insert the disconnect in the crimp pocket so that the disconnect is fully seated within the crimp die.
2. Close the tool handles until the barrel is held snugly in place—do not deform the barrel.
3. Insert the stripped wire into the disconnect. Refer to product packaging for wire strip length.
4. Crimp the disconnect by closing the handles until the controlled cycle mechanism releases. Upon release, the handles will open automatically and the crimped disconnect can be removed.

Figure 1



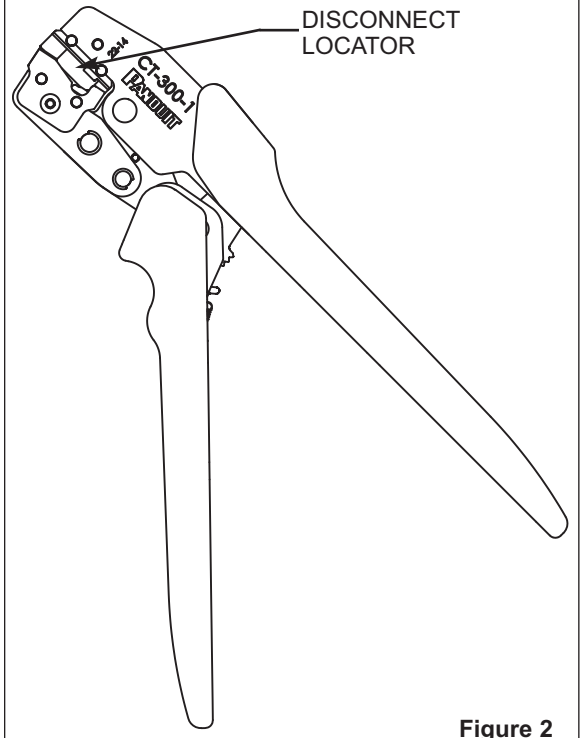
CRIMP POCKET for Pan-Term fully insulated right angle disconnects. Crimp pocket is identified with applicable wire range.

Controlled cycle mechanism prevents tool from opening before crimp cycle is completed.

Manual release lever, push forward in the event that controlled cycle mechanism must be released.

CAUTION:
Verify power is "OFF" before working on wiring with this tool.

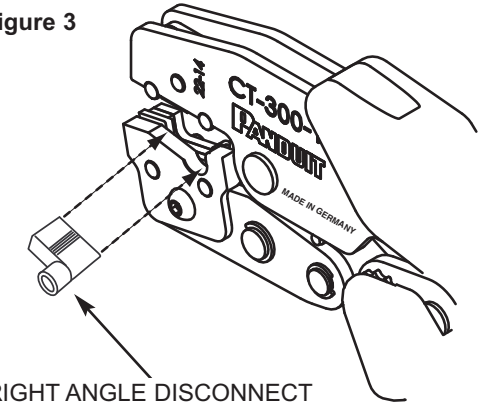
The cushioned grips are for the user's comfort, and are not intended to insulate against electrical shock while working on electrical circuits.



DISCONNECT LOCATOR

Figure 2

Figure 3



RIGHT ANGLE DISCONNECT

Email:
techsupport@panduit.com

www.panduit.com

Technical Support:
1-800-777-3300

INSPECTION / MAINTENANCE

NEW TOOLS -
BEFORE PLACING INTO SERVICE:

All Panduit crimping tools are calibrated and inspected before they are shipped from the factory. All new tools should be inspected before being used.

New tools are shipped, factory lubricated, in protective packaging. After inspection, simply clean any excess oil from the crimping dies and place into service.

When the tool is not in use, keep the handles closed to prevent objects from becoming lodged in the crimping area. Store the tool in a clean, dry area.

IN-SERVICE TOOLS -
AFTER TOOLS HAVE BEEN IN SERVICE:

It is recommended that each operator of the tool be made aware of - and responsible for following these maintenance steps.:

In-service tools should be cleaned and inspected at least ONCE A MONTH. To clean-wipe with a clean cloth.

In-service tools should be lubricated ONCE A WEEK, and after every cleaning. Lubricate all pins, pivots and bearing surfaces with DOW CORNING Molykote BR2 Plus. Do not use oil excessively.

Be sure to clean any excess oil from the crimping dies before using.

® Molykote BR2 Plus is the Registered Trademark of DOW CORNING

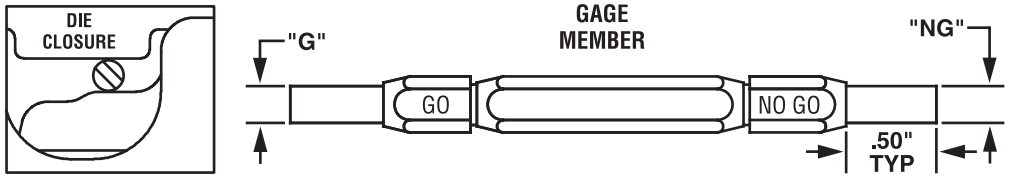
TROUBLESHOOTING

DIE CLOSURE INSPECTION

Die closure is measured by using GO/NO GO gage members (dimensions listed in Table 1).

Table 1

DIE CLOSURE GO / NO GO GAGE MEMBERS - TOOL NO. CT-300-1



CRIMP POCKET AWG / mm^2	ENGLISH GO / NO GO GAGE MEMBERS		METRIC GO / NO GO GAGE MEMBERS	
	"G" Dia. (GO)	"NG" Dia. (NO GO)	"G" Dia. (GO)	"NG" Dia. (NO GO)
22-14 / 0,5-2,5	.062"	.072"	1.57 mm	1.83 mm

1. Clean the crimping dies and gage member surfaces.
2. Close the tool handles until the crimping dies are bottomed and the controlled cycle mechanism releases. Keep the handles closed together.
3. Using the appropriate gage member, attempt to insert the NO GO gage into the die opening. The NO GO side may partially enter the die closure but must NOT pass completely through. Perform this test as shown in Table 1.
4. Repeat Step 3 with the appropriate GO gage as shown in Table 1. The GO side must enter and pass completely through the die closures.
5. If both gage conditions are met, the tool is dimensionally correct. If either condition fails, contact Panduit Customer Service.

VISUAL INSPECTION

1. Visually inspect the tool for missing or loose pins, then close the tool and note the return action of the handles.
2. Inspect the crimping dies for worn, chipped or broken edges.
3. If parts are missing, defective or damaged, contact Panduit Customer Service for information on repair or replacement of tools.

PRELOAD FORCE INSPECTION

1. Close the handles until the controlled cycle mechanism is engaged, but before the mechanism releases.
2. Apply a force to the handles 1-1/4" (32 mm) from the end of the handles, until the controlled cycle release mechanism releases. Record the reading using a force gauge.
3. The force required to release the controlled cycle release mechanism should be a ***minimum*** of 15 pounds-force (67 N). If the force required is less than 15 pounds-force (67 N), contact Panduit Customer Service.