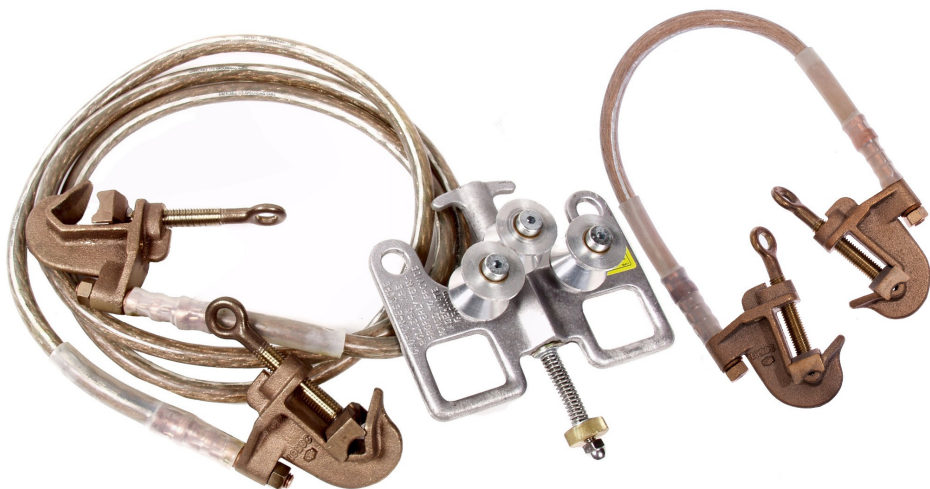


# **TRAVELING GROUND KIT 50'**

## **P/N 71638**

### **OPERATION MANUAL**



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## REVISION HISTORY

Rev #	Date	Details	Author
01	06/06/13	Added Version for 50'	A Konschak
01a	10/02/17	Changed company name	A Konschak



**This equipment should be used only by personnel who have been given the appropriate training and who are competent to use it. These instructions are to be made available to operators of this equipment at all times. Failure to observe these safety instructions could result in serious personal injury and/or property damage.**

# GROUNDING ROLLER

This section covers the description and use of the grounding Kit.



Defined as: Kit, Traveling Ground, 1 each, aluminum, 3 roller, traveling ground equipped with two 5/8" buss bars for 2 jumper cable and clamps and two each, 1" tie back holes in frame. 1 each, jumper cable composed of 50', 1/0, clear PVC jacketed, copper jumper cable with each end fitted with copper compression ferrules and two 5/8" – NC threaded bronze grounding clamps. 1 each, jumper cable composed of 2', 1/0 clear PVC jacketed, copper jumper cable with each end fitted with copper compression ferrules and two 5/8" – NC threaded bronze ground clamps. 1 each, instruction card which outlines use of grounding kit as per OSHA requirements.

The grounding roller provides a means of maintaining a continuous ground connection to moving conductors such as strand, open wire, or pull line being placed from a stationary reel.

The roller must be connected to a suitable ground by means of one of the 1/0 jumper cables provided in order to minimize the voltage on the conductors mentioned above in the event of an accidental contact with an energized power conductor.

A satisfactory **power company vertical neutral of a multi-grounded neutral (MGN) system** ground or existing grounded communication plant that is bonded to a central office ground or underground metallic piping system must be present to properly use grounding kit when placing strand under the following conditions:



- a) On joint use pole lines
- b) When crossing any electric power conductors
- c) At any location where there is a possibility of accidental contacting power conductors

*Vertical neutral of a multi-grounded neutral system*

# PRECAUTIONS

Position the stationary reel at or near a pole carrying suitable **power company vertical neutral of a multi-grounded neutral (MGN) system** or nearby grounded communications plant that meet the provisions. (As described on page 4, in the MGN paragraph) (ie. Strand wire or un-insulated guy wires).

Do not make ground connections above the space allocated for telephone, attachments on the pole.

Test any vertical power ground conductor to which the grounding roller is to be connected using a voltage tester.



The grounding of strand, using the grounding roller, shall be considered as supplemental to, and not as a substitute for, insulating gloves and other protective measures as shown.

## ON THE POLE

- a) Use a 6 or 7 foot length of 3/8-inch manila or poly rope with a snap hook on one end.
- b) Tie the rope to the pole and attach the snap hook to one of the frame holes of the rollers.

**NOTE:** Adjust the rope to allow the roller to extend about 3 feet out from the pole when pulling tension is applied.





## CONNECTION TO GROUND

- a) Use the appropriate length (shortest length) of the jumper cable provided in the Grounding Roller Kit.
- b) Attach one end of the provided jumper cable to one of the buss bars of the grounding roller.
- c) Attach the other end of the provided jumper cable to a power company vertical neutral ground rod (preferably at the rod) of a multi-grounded neutral (MGN) system ground or nearby existing grounded communications plant. (As described on page 1, in the MGN paragraph)
- d) If there is an existing grounded telecommunications messenger in the proximity of the new strand being placed, the short, 24" jumper may be used. Simply attach one end to the Traveling Grounding device and the other end to the existing messenger.

## INSTALL THE GROUNDING ROLLER ON THE STRAND OPEN WIRE, OR WINCH LINE AS SHOWN:



- a) Compress the spring tensioned center roller and place the device onto the strand as shown.



- b) Release and allow the tension of the center roller to contact the strand as shown.



c) Adjust the spring tension if necessary, using the knurled knob, to ensure proper contact as shown.

Do not use the grounding roller to support the conductor being placed. Use a wire rope snatch block, drive hook, suspension clamp, or other such suitable attachment to support the strand at the pole on which the grounding roller is attached.

When slack is taken out of the strand at the reel end of the placing operation, the roller will pull back against the supporting attachment on the pole, but continue to provide grounding contact as shown.



Remove the grounding roller after the conductor being placed has been tensioned, sagged, dead-ended, or otherwise permanently attached and grounded to the power company vertical neutral of a multi-grounded neutral (MGN system).

## Replacement Parts

P/N	Description
31277	Roller Set
31286	Ground Clamp
31453	2' Jumper Cable
31454	Traveling Ground Only
31455	50' Jumper Cable