

# Tech Tips – 1

## Installing Nuclestat™ Linear Ionizers

NRD linear ionizers are specially designed for point-of-use applications, to eliminate static at its source. When installing them in any application, there are certain general principles to keep in mind.

- The linear ionizer must be grounded.
- Make sure the machinery is grounded as much as is practical. Have a qualified electrician verify the grounds on the ionizer and machinery.
- Mount the linear ionizer so it's facing the side of the material that has the static charge. The ionizer should be as far away from grounded metal as possible. (see Figure 1)
- When installing more than one linear ionizer in an application, don't place the ionizers directly opposite each other on both sides of the material. They should be mounted on NRD Z brackets, separately available from NRD LLC. (see Figure 2)

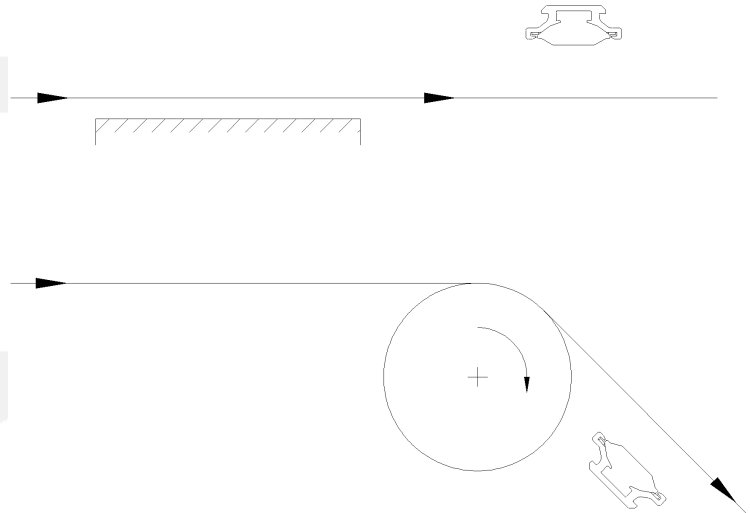


Figure 1

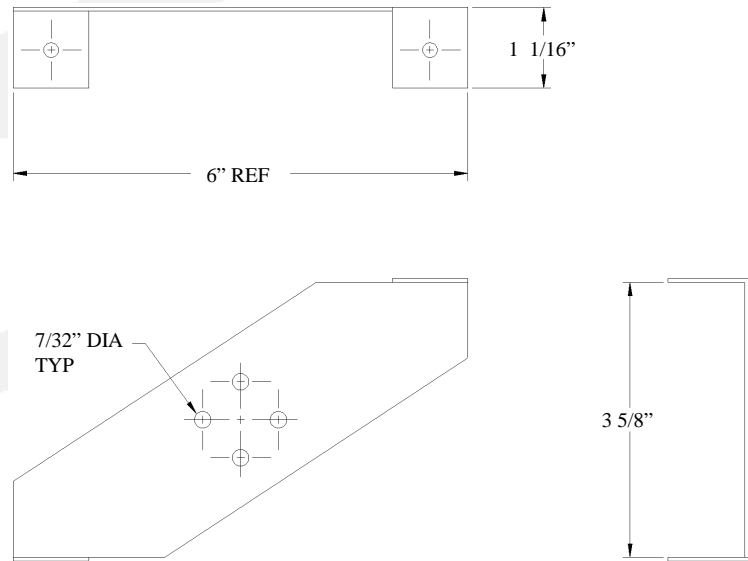


Figure 2

**Note:**

No parts of the ionizers should be in contact with the material in process during normal operation.

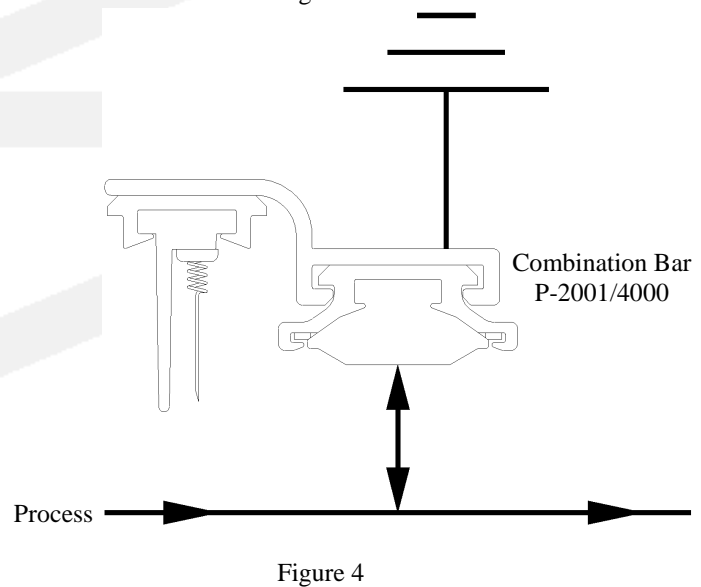
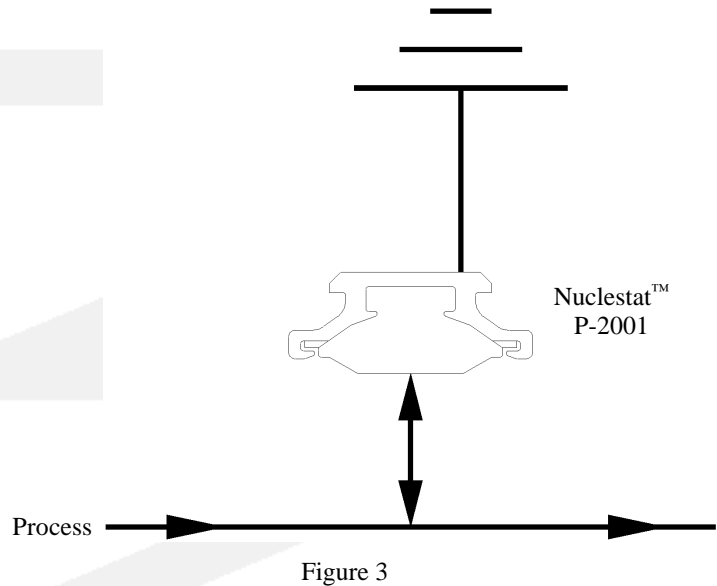


2937 Alt Boulevard / PO Box 310 / Grand Island, NY 14072-0310  
 PHONE 716 773 7634 / FAX 716 773 7744 / EMAIL sales@nrdinc.com / WEB www.nrdinc.com

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- Install the linear ionizer just before the point where static is causing a problem: after the last static-generating roller or friction point.
- Install active linear ionizers so the screened face of the bar is positioned approximately 1 1/8" (3cm) from the charged surface. (see Figure 3)
- Installation of combination or other systems using induction ionizers should also be positioned so the face of the bar is 1 1/8" (3cm) from the charged surface. (see Figure 4)



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