

# Roller Shield Instruction Manual

**DANRAY Products** LLC  
MACHINE SAFEGUARDS AND ACCESSORIES



Thank you for purchasing a Danray Products roller shield. This versatile and durable shield can be used in many machine applications.

Roller shields provide a safeguard between individuals and rotating hazards by helping prevent clothing, hair, etc., from being pulled into the leadscrew and other shafts below the bed of the lathe.

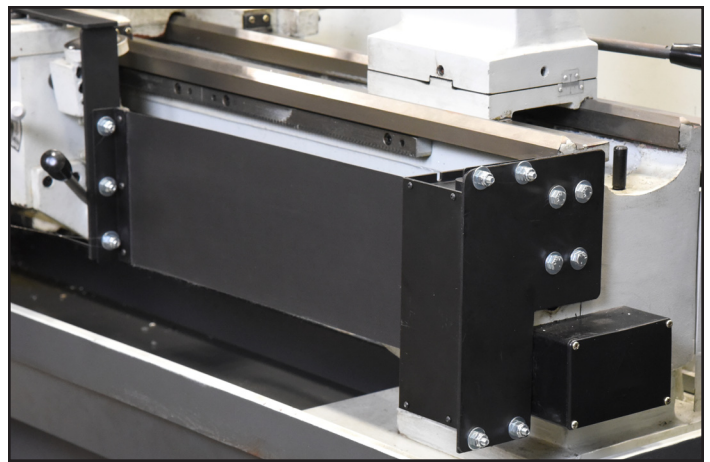
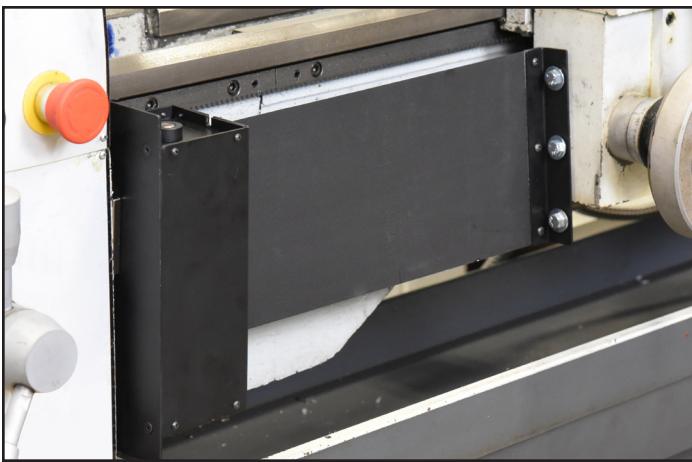
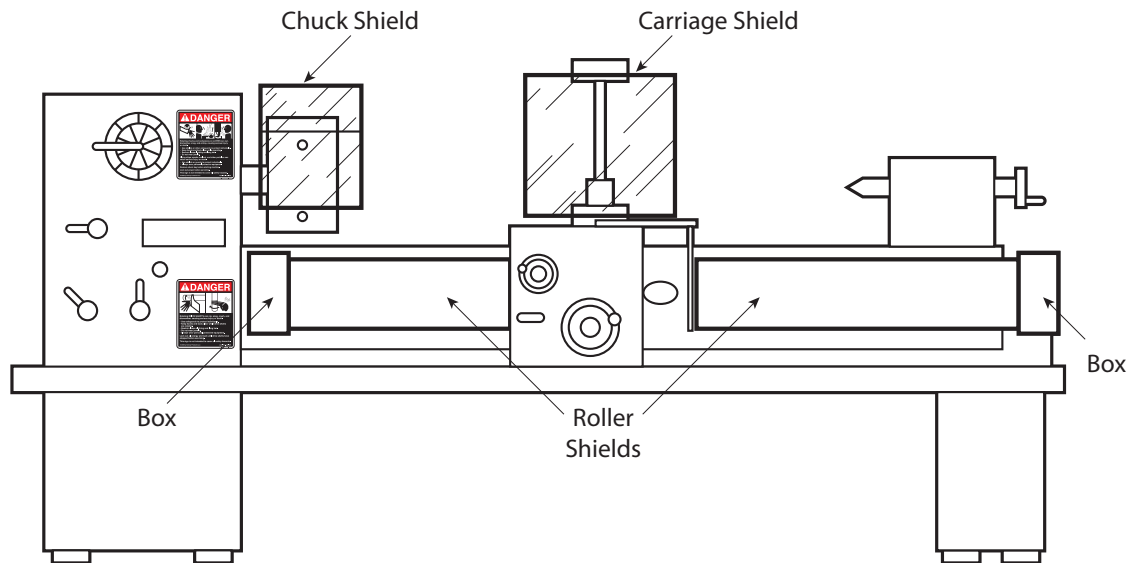
The enclosed safety sign identifies and warns individuals against specific hazards. Our signs comply with OSHA 29 CFR 1910.145 and the ANSI Z535 series of standards for the design, application, and use of signs, colors, and symbols for accident prevention.

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**Manual No. MAN-011**



## Installing the Shield

On lathes, the roller shield boxes are usually mounted to the far left and far right on the front of the machine. The fabric plate is fastened to the carriage directly or with an optional mounting bracket.

If two roller shields are furnished, they are identical, so they can be mounted on either end of the machine.

Note: The mounting tabs on the roller shield boxes and the optional mounting brackets are intentionally left blank. Holes will need to be drilled

and mounting brackets may need to be fabricated or furnished to mount the shield to the machine.

Take the roller shield box or optional mounting bracket and hold it up to where it will be mounted to the machine to spot the mounting holes. After spotting the mounting holes, drill 9/32" clearance holes through the mounting tabs on the roller shield box or through the optional mounting brackets. Then drill and tap 1/4"-20 holes in the machine and install the roller shield using the fasteners provided.

### **WARNING**

If you are mounting the shield to a surface that has internal components or liquid, be careful not to drill through this surface because it may cause electrical shock, leakage, or damage.

### **NOTICE**

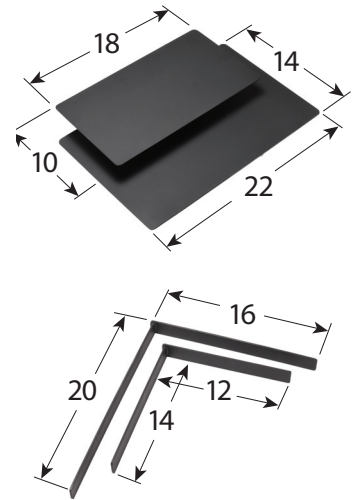
When mounting the roller shield, make sure that the fabric is centered in its opening and that the fabric plate is aligned with the box. If the fabric plate is mounted too high or too low relative to the box, the fabric will rub on the top or bottom of its opening, damaging the fabric. The fabric must clear the edges at all times.

## Optional Mounting Brackets

Shown at the right are the optional mounting brackets for attaching roller shields to a lathe or other machine. The flat brackets are  $\frac{1}{8}$ "-thick steel and the right-angle brackets are  $1\frac{1}{2}$ "-wide,  $\frac{1}{4}$ "-thick steel. These optional brackets will need to be fabricated to fit the roller shield to the machine.

### Part No.

BKT-1018	Flat Bracket 10" W x 18" H x $\frac{1}{8}$ " Thick
BKT-1422	Flat Bracket 14" W x 22" H x $\frac{1}{8}$ " Thick
BKT-1214	Right-Angle Bracket 12" x 14" x $1\frac{1}{2}$ " x $\frac{1}{4}$ " Thick
BKT-1620	Right-Angle Bracket 16" x 20" x $1\frac{1}{2}$ " x $\frac{1}{4}$ " Thick



## Increasing the Spring Tension

The clock-type, spring-loaded rewind inside the roller shield enclosure may lose tension over time. If the fabric starts to sag, the tension can be increased by doing the following:

1. Remove the roller shield from the machine.
2. On the stub end, use a 3-mm hex key to run out the setscrew until it clears the shaft.
3. On the slotted end, use a 3-mm hex key to loosen the setscrew until it clears the slot. Insert a slotted screwdriver into the slot to keep the shaft from turning and then run out the setscrew until it clears the shaft.
4. Turn the shaft clockwise 180° and reinsert both setscrews.
5. Check the tension. If the fabric is still sagging, repeat the three previous steps.
6. Reinstall the roller shield on the machine.



**Do not open the roller shield enclosure because there is a spring under tension inside that could cause injury.**



Part No. LBL-029

One LBL-029 sign is included with every roller shield. Affix this sign to a prominent location on the machine so that it is easily seen and understood by individuals in the hazard area. Additional signs for other machinery and equipment are available as well as polycarbonate sign backings; contact us by phone, fax, e-mail, or online.

**Returns**

Danray Products LLC must authorize all returns in advance, at which time an RMA (return materials authorization) number will be given to the customer. No returns will be accepted unless accompanied by an RMA number and this RMA number plainly identified on the outside of the package. Our receiving department will refuse returns without an RMA number. Shipping charges for all returns must be prepaid. The minimum restocking charge will be 25% for any product(s) returned for credit. Such product(s) must be in original condition and unused in order to qualify for credit. No returns for credit will be considered more than 30 days from the date of shipment.

**Warranty**

Danray Products LLC warrants that our products will be free from defects in material and workmanship for a period of 12 months from the date of shipment. This warranty does not apply to any product that has been subject to misuse, negligence, or installation not in accordance with Danray Products LLC's instructions.