

Ilion, New York  
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MODEL XP-700

FUNCTION OF THE TRIGGER LINK ROLLERS

In order to insure a smooth, uniform trigger pull from shot to shot, friction at the Sear Block - Trigger Link, and Trigger - Trigger Link pivots must be reduced to a minimum. Drawing No. L-1318 (Trigger Link Assembly) shows details of these pivots.

The Trigger and Sear Block rotate on trigger link rollers, these being oil impregnated powder metal roller bearings. The trigger link rollers rotate on pins which are secured to the link.

By providing two bearing surfaces (roller on pin and sear block, or trigger on roller), the chances of binding the mechanism through rotary bind or interference are almost eliminated. Lubrication on the outside and inside surfaces of the roller reduce friction to a minimum and insure almost frictionless motion of these parts.

It should be noted here that, in order for the mechanism to function properly, close tolerances on all bearing surfaces are mandatory.

HLC:T

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