POWER FEED INSTALLATION Model M-1350 Cross Feed



Kondia G, FV-1, Hurco SM1, and others

REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-1231	Power Feed Installation
ND-6293	Type 150 Servo Drive
ND-6292	Type 140 Servo Drive
0800-80001	Servo Power Feed Operation

PREPARATION

- Step 1: Remove the nut, handcrank, dial, dial hub, and key from the lead screw.
- Step 2: Replace the Kondia bearing retainer with the bearing retainer provided.
- *Step 3:* Slide the bearing race onto the adaptor.
- *Step 4:* Slide the adaptor and bearing race onto the lead screw and secure to bearing retainer with the 1/4-20 x 1/2" long socket head cap screws.
- Step 5: Remove the bearing race.

POWER FEED INSTALLATION

- Step 1: Screw the shaft extension onto the lead screw and tighten.
- Step 2: Using the hole provided as a pilot, drill 1/8" diameter through the lead screw and pin the shaft extension in place using the 1/8 diameter x 5/8" long roll pin. File smooth.
- **Step 3**: Slide the spacer and bearing race onto the lead screw.
- Step 4: Secure the power feed to the adaptor using the 1/4-20 x 1" long socket head cap screws.

BEVEL GEAR INSTALLATION

Step 1: Follow drawing NA-5444 for installation of the bevel gear. Adjust for proper gear backlash.

DIAL AND HANDCRANK INSTALLATION

- Step 1: After getting the proper backlash, the dial should be adjusted to obtain .005" spacing from the face of the power feed. This is important in order to keep chips from entering the gear train. Two plastic (.030" thick) and five brass (.005" thick) washers are provided for this. Shim as required.
- Step 2: In the following sequence, put on the dial locking nut, add the spacer #1230, and insert the woodruff key. Slide the Kondia handcrank and washer in place. Secure with the handcrank nut #1229.

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LIMIT SWITCH INSTALLATION

Step 1: See limit switch installation on drawing ND-1231.

OPERATION

See separate *Servo Power Feed Operation* sheet. Plug the unit into a source of 120 volt, 50 or 60 cycle power.

WARNINGS

Check hand crank clearances before operation.

Clearances between the surfaces of the hand crank and the non-moving parts of the equipment on which the hand crank is installed must be at least one-fourth inch (1/4") to prevent injury. Modification of existing hand crank or replacement may be required.

Do not operate without proper clearance!

Prevent contact during fast traverses.

SERVO PRODUCTS COMPANY

433 North Fair Oaks Avenue, Pasadena, CA 91103 USA Phone: 800.521.7359 or 626.796.2460 Fax: 626.796.3845 Web: www.servoproductsco.com Call for the location of our regional Service Centers.

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