POWER FEED INSTALLATION Model M-4400 Table Feed



Supermax 1-1/2, 16VA

REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-5693	Power Feed Installation
ND-6293	Type 150 Servo Drive
ND-6292	Type 140 Servo Power Feed
0800-80437	Parts List I.D. Sheet K-4400
0800-80001	Servo Power Feed Installation

PREPARATION

- Step 1: Remove the nut, crank, dial assembly and key from the right-hand side of the mill. Using the bearing retainer as a template, spot three holes.
- Step 2: Drill and tap 1/4-20 x 1/2" socket head cap screw.
- Step 3: Screw the shaft extension onto the lead screw and tighten.
- Step 4: Using the hole provided as a pilot, drill 1/8" diameter hole through and pin in place using the 1/8 x 5/8" diameter roll pin. File smooth.

POWER FEED INSTALLATION

- Step 1: Secure bearing retainer B-5692 to table with three 1/4-20 x 1/2" long socket head cap screws.
- Step 2: Slide the spacer and bearing race onto the lead screw.
- Step 3: Slide the power feed over the bearing race and secure with two 1/4-20 x 1.0" 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.
- Step 2: When shimming of the bevel gear is complete, replace the key.

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 to keep chips from entering the gear train. Four washers are provided for this, two solid and two laminated. Shim as required.
- Step 2: In the following sequence put on the dial and the dial locking nut. Insert the 4 mm woodruff key and slide the handle in place. Tighten with the 1/2-20 locking nut.

LIMIT SWITCH INSTALLATION

- Step 1: Remove the T-shaped table stop bracket and, using the same screws, install the limit switch.
- Step 2: Put the cable clamp on the cable and secure, using the right-hand chip scraper screw.

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.

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