POWER FEED INSTALLATION Model M-4900 Table Feed



Clausing Kondia

REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-6236	Power Feed Installation
ND-6293	Type 150 Servo Drive
ND-6292	Type 140 Servo Drive
0800-80001	Servo Power Feed Operatio

PREPARATION

- Step 1: Remove the nut, handcrank, dial assembly, and key from the right-hand end of the table.
- Step 2: Remove the bearing retainer from the end bracket and replace with the bearing retainer provided.

POWER FEED INSTALLATION

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

BEVEL GEAR INSTALLATION

- Step 1: Use the woodruff key provided and slide the bevel gear in place.
- Step 2: 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, slide the handle in place, and tighten with the 1/2-20 lock nut.

LIMIT SWITCH INSTALLATION

- Step 1: Install the limit switch as shown on the installation drawing ND-6236.
- Step 2: The T-stop is retained to act as a positive stop where required for manual operation.
- □ NOTE For proper operation, the electrical limit switch should be engaged .4 inch before the mechanical stop to allow for coasting of the table. The T-stops are often not symmetrical and may need to be ground to obtain proper operation.
- Step 3: Secure the cable using the cable clamp provided. Use the screw provided to attach the clamp to the right-hand side of the chip scraper.

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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