POWER FEED INSTALLATION Model M-9517 Cross Feed Chevalier Mill



REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-57511	Power Feed Installation
NB-1538	Limit Switch Installation
ND-6293	Type 150 Servo Power Feed
ND-6292	Type 140 Servo Power Feed
0800-80001	Servo Power Feed Operation

POWER FEED INSTALLATION

- Step 1: Remove the nut, handcrank, dial, dial hub, and key from the lead screw. Save the key for installation later.
- Step 2: Slide the bearing race #0682 onto the lead screw shaft.
- Step 3: Slide the adaptor #57237 over the bearing race in order to center it with the shaft.
- Step 4: Transfer three mounting holes on the adaptor onto the bearing housing. Drill and tap 1/4-20 through. Secure the adaptor with 1/4-20 x 1-1/2" long socket head cap screws provided.
- Step 5: Remove the bearing race. Slide the spacer #2253 onto the shaft. Replace the bearing race.
- Step 6: Install the power feed to the adaptor using two 1/4-20 x 1" long socket head cap screws.
- Step 7: Screw the shaft extension #57226 onto the lead screw and tighten.
- Step 8: Using the hole provided as a pilot, drill a 1/8" diameter hole through the shaft. Pin the shaft extension to the lead screw with the 1/8 diameter x 5/8" long roll pin. File smooth.

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: Put on the dial locking nut, insert the key, and slide the handcrank in place. Secure with the 1/2-20 lock nut provided.

LIMIT SWITCH INSTALLATION

Step 1: Install the limit switch as shown on installation drawing NB-1538.

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.

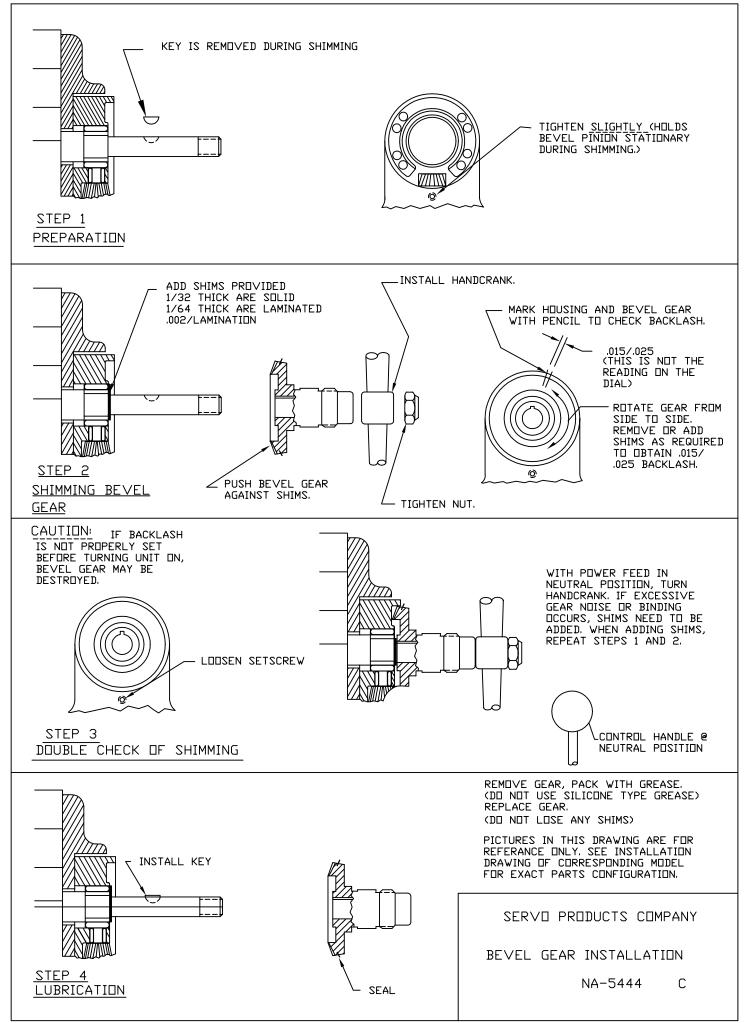
Clearances between the surfaces of the hand crank and the nonmoving parts of the equipment on which the hand crank is installed must be at least one-fourth inch (1/4") to prevent injury. Modification of existing hand crank or replacement may be required.

Do not operate without proper clearance!

Prevent contact during fast traverses.

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