TIN KNOCKER TK Angle Iron Worker

INSTRUCTIONS & PARTS DIAGRAMS



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TIN KNOCKER SAFETY RULES

- 1. Never use a machine or tool for anything other than its intended purpose. Use the proper tool and equipment for the task.
- 2. Do not operate the machine in excess of its rated capacity.
- 3. Beware of protruding machine elements or assemblies. Avoid any pinch-points created by the movement of the machine's components.

FOR MAXIMUM OPERATOR SAFETY DO:

- 1. Read and understand this manual
- 2. Be sure to stay within capacity of this machine
- 3. Wear safety classes.

CAUTION: The machine must be securely bolted to the floor before use.

SPECIFICATIONS:

The TK Angle Iron Worker consists of Angle Iron Shear, Angle Iron Notcher and Angle Iron Bender. A 72" operating bar handle is furnished and fits all of the tools.

Height: 33" (838.2mm) Max. Capacity: 2" x 2" x ¼" Floor Space: 21 ½" x 26" Weight: 200 lbs. Dimensions: 40" x 48" x 50"

ANGLE IRON SHEAR

CARE: A heavy gear lubricant should be applied to the gear teeth, movable shear arm and operating handle. Light machine oil should be placed in oil holes provided in movable shear arm and operating handle. All bolts and nuts should be checked occasionally to insure their being tight. Long die segment and short die segment have four cutting edges and may be rotated. Support stud adjusting screw may require adjustment to insure angle being level with die segments.

ANGLE IRON SHEAR PARTS LIST

FINE NO.	PART NO.	DESCRIPTION	QUANTITY

ANGLE IRON NOTCHER

CARE: Before attaching coupling pin to spindle, grease coupling head.

OPERATION: Coupling nuts have left hand thread. To assemble spindle, place a small amount of heavy grease in ball race of spindle. Slide stop collar on spindle with notch "A" n stop collar in down position. Place 30 ball bearings (11/32") in ball race of spindle and thread into ball race sleeve as far as possible; turn back until ball race can be seen. Align notch "A" in stop collar with "B" start of ball race in frame and tighten the three-stop collar set screws. Screw ball race sleeve into punch body until bottom of ball race sleeve is even with bottom of punch body. Align flats and insert set screw plugs and screws.

CAUTION: After angle has been notched, front clamp screw (13) must be backed out to free clamp bracket (14). This must be done prior to reversing spindle direction. Failure to do so will result in damage to tool.

FINE NO.	PART NO.	DESCRIPTION	QUANTITY

ANGLE IRON NOTCHER PARTS LIST

ANGLE IRON BENDER

CARE: An occasional oiling of all moving parts with a light machine oil is all the care necessary for this tool.

OPERATION: Loosen vise handles sufficiently to allow the angle iron to be bent to slide between the stationary jaw and the movable clamp jaw arm. Tighten vise handle. Loosen operating handle swivel block stud set screw. Set the operating handle swivel block stud on dimension closest to the angle to be bent (three settings are provided: 1/8", ¹/₄" and 3/16"). Tighten set screw after setting stud at desired setting. If the vise handle is turned out too far it is possible for the movable clamp jaw spring to be dislodged from its seat. If this happens, drive the movable clamp jaw pin out, reinsert spring in its recess and reassemble the movable clamp jaw and arm pin.

ANGLE IRON BENDER PARTS LIST

FINE NO.	PART NO.	DESCRIPTION	QUANTITY

WARRANTY

All new machines are sold with a one-year limited warranty, on factory defective parts. The warranty is limited to the original user. TAAG Machinery Co. at its option, will repair, replace or refund the purchase price of any part, tool or machine that fails during the warranty period. TAAG Machinery Co. will pay normal shipping charges for replacement parts. After 90 days from date of purchase, all express or overnight delivery charges are the responsibility of the customer. Purchaser must deliver to TAAG Machinery Co., at the address below, any written claim, with proof of original purchase. Replacement parts will be invoiced to purchaser and credit issued when the failed part is delivered to TAAG Machinery Co. Removal, reinstallation or replacement parts shall be at purchasers' / user's expense. Failure due to improper use of the machine voids the warranty.

NOTE: 1. This machine has been tested and adjusted prior to shipment but can and often does require readjustment due to vibration and bouncing during transport. Following the procedures described within can easily do readjustment. These are procedures with which you, as a user, should be familiar, as you will use them repeatedly over the life use of the machine. If you have difficulty in performing these procedures, we are here to support you.

2. Opening rolls (for Philipsburg Lock) are consumable items and not subject to warranty.