# TIN KNOCKER TK 30 POWER CLEAT BENDER



## **INSTRUCTIONS & PARTS DIAGRAM**

#### TAAG INDUSTRIES CORP.

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#### **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. Call us at: (800) 640-0746.
- 2. Opening rolls (for Philipsburg Lock) are consumable items and not subject to warranty

#### **SPECIFICATIONS**

SI Len tentions		
Maximum Capacity mild steel or equivalent	22 Gauge	
Table top height or working surface height	31"	
Table top length not including cleat bender	36"	
Overall length	49"	
Maximum width capacity	30"	
Motor	1.5 HP Motor for 110 Volt, single phase 60 HZ	
Dimensions	42" x 42" x 44"	
Approximate Shipping Weight	650 lbs.	

## TK 30 POWER CLEAT BENDER SAFETY PRECAUTIONS

- 1. Keep the work area well-lit and uncluttered to avoid accidents. Do not use compressed air for cleaning debris from yourself or the machine. Remove debris and grit from machine with a rake or brush not your hands.
- 2. Machine to be operated by authorized personnel who have been trained by their supervisor with the working and safety features of the machine.
- 3. Thoroughly read and understand the Operator's Manual as well as the warnings and instructions mounted on the machine.
- 4. Notify your supervisor whenever you feel there is a hazard involving the equipment or the performance of your job.
- 5. Report all injuries or illness, regardless of severity, to your supervisor.
- 6. Do not place speed above safety.
- 7. Never use this machine for anything other than its intended purpose. Use the proper tool and equipment for the task.
- 8. Do not remove, paint over, alter, or deface any machine-mounted warning and instruction plates and signs.
- 9. Do not operate the machine more than its rated capacity.
- 10. Beware of protruding machine elements or assemblies. Avoid any pinch-points created by the movement of the machine's components.
- 11. Do not override the safety features of the equipment or remove any guarding.

### TK 30 POWER CLEAT BENDER OPERATING INSTRUCTIONS

#### **RECEIVING THE MACHINE**

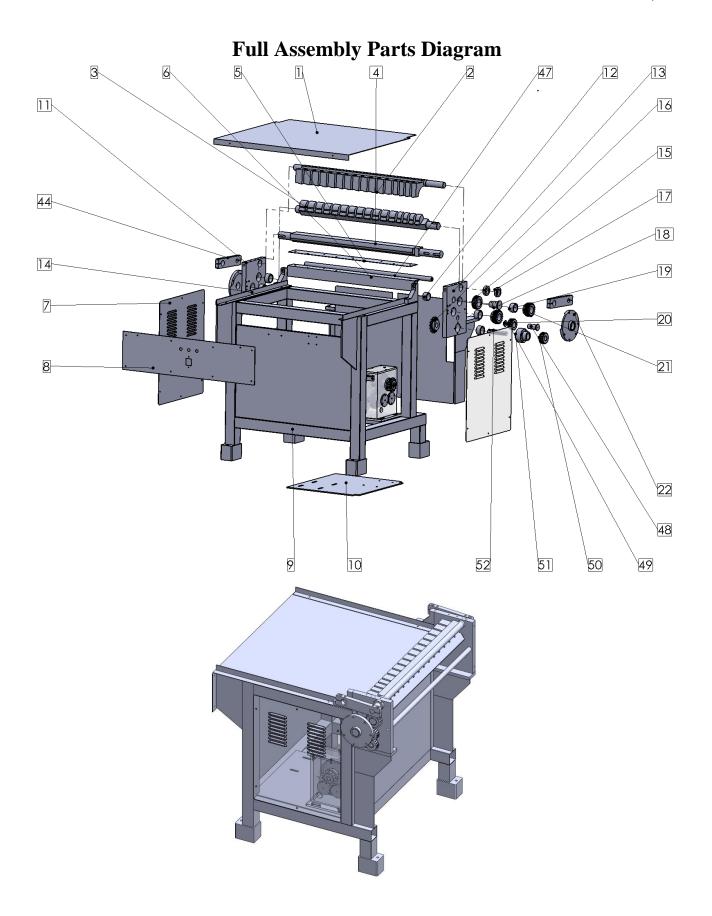
Upon receipt and before signing the Bill of Landing carefully examine the machine for damage that may have occurred during shipping. Be certain you have two handles. Any loss or damage should be noted in detail on the delivery receipt and reported to your distributor immediately. Free replacement from TK International is dependent upon the notation and the Bill of Lading on delivery slip.

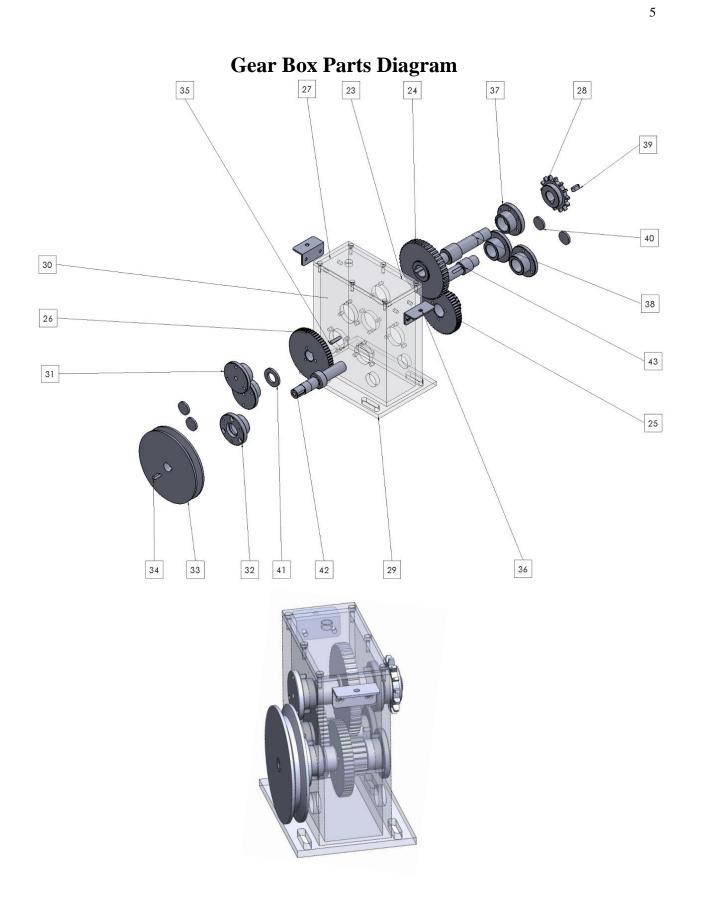
#### **INSTALLING THE MACHINE**

Place the cleat bender in a well lit area on a solid, level floor. The cleat bender must be securely bolted to a bench or a Tin Knocker stand. The bench or stand must be securely mounted to the floor. By positioning the cleat bender at the end of the worktable it is possible to bend drive cleat edges on rectangular ductwork of substantial size. Examine your clearances before bolting the machine to the bench. Be sure you have adequate room to swing both handles.

## **OPERATION**

- 1. Turn machine on.
- 2. (SET position) Press down on left foot pedal to set metal to the back-gauge fingers.
- 3. (Cycle)Once set, press right pedal down to bend metal.
- 4. Before removing the metal, ensure that machine is not in motion.
- 5. REPEAT or Remove metal and turn off machine.





## **TK 30 Power Cleat Bender Parts List**

Prime Nos. 23-43 are part of the gear box assembly (PCB074).   Individual parts for the gear box assembly (PCB074) are not stocked and cannot be fulfilled.   1	Fine No.	Part No.	QTY	Part Name	
1         PCB001         1         Steel Plate, Top           2         PCB002         1         Hold Down Fingers           3         PCB003         1         Upper Wiping Arm           4         PCB004         1         Lower Wiping Arm           5         PCB005         1         Spring Steel Plate           6         PCB006         1         Steel Bar           7         PCB007         2         Side Plate           8         PCB008         1         Upper Front Plate           9         PCB009         1         Base           10         PCB010         1         Bottom Plate (welded to Base PCB009)           11         PCB011         1         Left Side Plate           12         PCB011         1         Left Side Plate           12         PCB012         4         Brass Collar (set into PCB011 & PCB013)           13         PCB013         1         Right Side Plate           14         PCB014         2         Side Angle Bar           15         PCB015         1         Gear           16         PCB016         1         Sprocket           17         PCB017         1 <td< td=""><td colspan="5">*Fine Nos. 23-43 are part of the gear box assembly (PCB074).</td></td<>	*Fine Nos. 23-43 are part of the gear box assembly (PCB074).				
2         PCB002         1         Hold Down Fingers           3         PCB003         1         Upper Wiping Arm           4         PCB004         1         Lower Wiping Arm           5         PCB005         1         Spring Steel Plate           6         PCB006         1         Steel Bar           7         PCB007         2         Side Plate           8         PCB008         1         Upper Front Plate           9         PCB009         1         Base           10         PCB010         1         Bottom Plate (welded to Base PCB009)           11         PCB011         1         Left Side Plate           12         PCB012         4         Brass Collar (set into PCB011 & PCB013)           13         PCB013         1         Right Side Plate           14         PCB014         2         Side Angle Bar           15         PCB015         1         Gear           16         PCB016         1         Sprocket           17         PCB017         1         Collar           18         PCB019         2         Brass Collar (set in gear)           20         PCB020         1         <					
3         PCB003         1         Upper Wiping Arm           4         PCB004         1         Lower Wiping Arm           5         PCB005         1         Spring Steel Plate           6         PCB006         1         Steel Bar           7         PCB007         2         Side Plate           8         PCB008         1         Upper Front Plate           9         PCB009         1         Base           10         PCB010         1         Bottom Plate (welded to Base PCB009)           11         PCB011         1         Left Side Plate           12         PCB012         4         Brass Collar (set into PCB011 & PCB013)           13         PCB013         1         Right Side Plate           14         PCB014         2         Side Angle Bar           15         PCB015         1         Gear           16         PCB016         1         Sprocket           17         PCB017         1         Collar           18         PCB018         2         Cap           19         PCB019         2         Brass Collar (set in gear)           20         PCB020         1         Washer <td></td> <td></td> <td></td> <td></td>					
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19         PCB019         2         Brass Collar (set in gear)           20         PCB020         1         Washer           21         PCB021         1         Gear           22         PCB022         2         Cam assembly (limit switch plate must be 2 inches long)           23         See PCB074         1         Top Gear Box Plate           24         See PCB074         1         Large Right Side Gear           25         See PCB074         1         Right Side Gear           26         See PCB074         1         Left Side Gear           27         See PCB074         2         Side Gear Box Plate	17	PCB017	1	Collar	
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25         See PCB074         1         Right Side Gear           26         See PCB074         1         Left Side Gear           27         See PCB074         2         Side Gear Box Plate	23	See PCB074	1	Top Gear Box Plate	
26 See PCB074 1 Left Side Gear 27 See PCB074 2 Side Gear Box Plate	24	See PCB074	1	Large Right Side Gear	
27 See PCB074 2 Side Gear Box Plate	25	See PCB074	1		
	26	See PCB074	1	Left Side Gear	
Zo   See PCBU/4   1   Gear DOX SPROCKET	28	See PCB074	1	Gear box sprocket	
29 See PCB074 1 Bottom Gear Box Plate	29	See PCB074	1	Bottom Gear Box Plate	
30 See PCB074 2 Front Gear Box Plate	30		2		
31 See PCB074 2 Left Side Cap					
32 See PCB074 1 Left Side Large Cap	32			<del> </del>	
33 See PCB074 1 Left Pulley					
34 See PCB074 1 Pin				<del>                                     </del>	
35 See PCB074 1 Pin					
36 See PCB074 2 Angle Support Piece					

37	See PCB074	3	Right Side Cap
38 39	See PCB074	1	Right Shaft
40	See PCB074 See PCB074		Key Pulley
		4	<del> </del>
41	See PCB074	1	Washer Left Cide Chaft
42	See PCB074	1	Left Side Shaft
43	See PCB074	1	Right Lower Shaft
44	PCB044	2	Clamping Arm assembly
45	PCB045	1	Motor
46	PCB046	1	Foot Pedal
47	PCB047	1	Connecting Bar
48	PCB048	1	Сар
49	PCB049	1	Gear
50	PCB050	1	Gear
51	PCB051	1	End Cap
52	PCB052	1	Shaft
Not Shown	PCB053	1	cam cover left
Not Shown	PCB054	1	cam cover right
Not Shown	PCB055	1	spring bar
Not Shown	PCB056	1	back plate
Not Shown	PCB057	4	10mmX9mm key (various lengths)
Not Shown	PCB058	4	35mmX8mm Peg
Not Shown	PCB059	2	8mmX8mm key
Not Shown	PCB060		3/8" ID dock washer
Not Shown	PCB061		1/2" ID dock washer
Not Shown	PCB062		1.25" ID, 2" OD brass washer
Not Shown	PCB063		1.4" ID, 2" OD brass washer
Not Shown	PCB064		1.5" ID, 2" OD brass washer
Not Shown	PCB065	1	1" ID, 1.75" OD brass washer
Not Shown	PCB066		3/8" X 1.5" socket head bolt
Not Shown	PCB067		3/8" X 1.2" socket head bolt
Not Shown	PCB068		5/16" X 1" socket head bolt
Not Shown	PCB069		6mm X 41mm socket head bolt (thinnest)
Not Shown	PCB070		3/8" X 0.7" socket head bolt
Not Shown	PCB071		12mm grease port bolt
Not Shown	PCB072		8mm bolt
Not Shown	PCB073	6	grease port (not including grease port bolt)
Page 5			
	PCB074	1	gear box assembly
Not Shown	PCB075	1	drive chain