

# Bar Clamp

Installation and Usage Instructions  
(Patent No. D766, 058)

Others Pending

Please read instructions carefully and fully before installation and/or usage.



**1** Be sure to read entire instructions prior to installation. Prior to installation you will need a 1/8 and 5/32" Hex Head wrench. Measure the maximum shaft diameter (or cross section) of the tool, then select proper rubber flange size and Bar Clamp size from chart below.



**5** Tighten one of the 1/4-28 set screws until tight. Note: This will intentionally offset the Bar Clamp. Then tighten the second 1/4-28 set screw. When completed it is normal for the bar clamp to be offset from the shaft. **NOTE:** The rubber flange will be pierced for the set screws to mate with the tool.

**NOTE:** As a guide, when tightening the screws moderate deflection or flex of the wrench should be noticed. As a precaution it is recommended to torque the 10-32 screws to 5 ft-lbs and the 1/4-28 to 4 ft-lbs. It is recommended to use thread locker on the 1/4-28 set screws.



**2** Slide the rubber flange spool to the desired tether point location **NOTE:** When vertically pouching an alignment bar try to position the clamp on the upper side of the tool to allow gravity to keep the bar balanced in the vertical position.



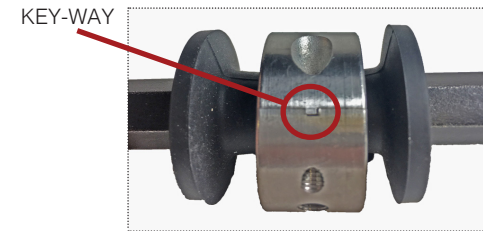
**6** Assure the Bar Clamp is snug and the D-Ring rotates freely 360° and is fully engaged. Install an appropriate tether on to the Bar Clamp and the set-up is complete.

## IMPORTANT NOTES

- Prior to each use of the tool, inspect the Bar Clamp for cracks, bent parts or excessive wear and discard if found.
- For use on straight shafted tools with and without enlarged ends.
- Assure all screws are tight and the Bar Clamp is locked in place along the tool.
- Inspect the Rubber Flange for splits, cracks, dry rot, and discard if found.



**3** Remove the 2, 10-32 cap screws that were pre-installed and back out the 1/4-28 set screws ensuring that they do not protrude out of the bar clamp inner surface.



**4** Taking the 2 halves of the bar clamp, install them (be sure to align the key-way shown here) on to the center of the rubber flange and tighten the 2, 10-32 cap screws.

## PARTS LIST

Part No.	Flange P/N	1/4-28 Screws	10/32 Screws	D-Ring
CLT070	070-1 & 070-2	2	2	1
CLT085	085-1 & 085-2	2	2	1
CLT100	100-1 & 100-2	2	2	1
CLT115	115-1 & 115-2	2	2	1

## TOOL SELECTION GUIDE

SHAFT SIZE (DIAM)	BAR CLAMP PART NO.	RUBBER FLANGE P/N	WEIGHT RATING	MAX TETHER LENGTH
0.40" to 0.50"	CT070	070-1	8 lbs	4'
0.50" to 0.60"	CT070	070-2	8 lbs	4'
0.60" to 0.70"	CT085	085-1	8 lbs	4'
0.70" to 0.75"	CT085	085-2	8 lbs	4'
0.75" to 0.85"	CT100	100-1	10 lbs	4'
0.85" to 0.90"	CT100	100-2	10 lbs	4'
0.90" to 1.00"	CT115	115-1	10 lbs	4'
1.00" to 1.05"	CT115	115-2	10 lbs	4'

## WARNINGS

ALWAYS WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DO NOT USE THIS PRODUCT ON OR NEAR ROTATING EQUIPMENT. IMPROPER USE COULD RESULT IN DEATH OR DISMEMBERMENT. IF ANY CRACKS, RIPS OR TEARS NOTED, PRODUCT REPLACEMENT IS REQUIRED.

INSTALLATION



Ty-Flot, Inc. • 305 Massabesic Street • Manchester, NH 03103  
www.ty-flot.com • Phone: 603-669-5169 • Fax: 603-669-5113

THE DROP STOPS HERE