

## **IPT PRESET TORQUE WRENCH**

Model	ltem #	American		Square
		S.I.	American	Drive
IPT 18	280041	5 - 25 N.m	3.7 - 18.4 lbf.ft	1/4″
IPT 36	280042	10 - 50 N.m	7.4 - 36.9 lbf.ft	3/8″
IPT 73	280043	20 - 100 N.m	14.8 - 73.8 lbf.ft	3/8"
IPT 110	280044	30 - 150 N.m	22.1 - 110.7 lbf.ft	3/8″
IPT 150	280045	40 - 200 N.m	29.5 - 147.6 lbf.ft	1/2″
IPT 250	280046	60 - 340 N.m	44.3 - 250.9 lbf.ft	1/2″

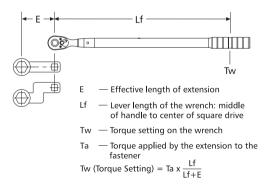
Model	ltem #	Length (mm)	Width (mm)	Lf (mm)
IPT 18	280041	226	22.5	175
IPT 36	280042	300	31.2	228
IPT 73	280043	376	31.2	303
IPT 110	280044	386	31.2	313
IPT 150	280045	500	41	420
IPT 250	280046	587	41	510

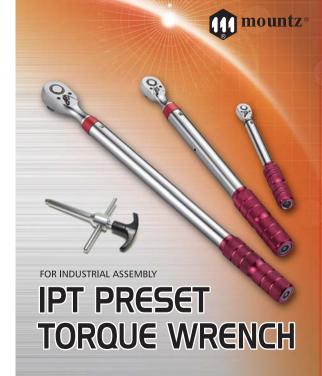
## **Calibration & Maintenance**

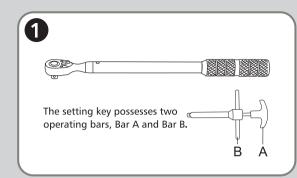
Torque wrenches go out of calibration with use. A wrench must be properly calibrated and maintained on a preventative maintenance and calibration schedule. In order to maintain accuracy, it is crucial that a wrench be calibrated regularly using a torque tester.

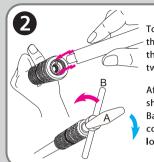
## **Calculations For Torque Wrench Extensions**

When using extensions, the torque applied to the nut is greater than the setting. To ensure that the correct torque is applied when using extensions, keep the extension "in-line" with the axis of the wrench (as shown in diagram). To calculate the increase, use the formula below:



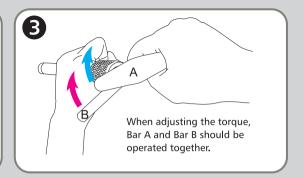


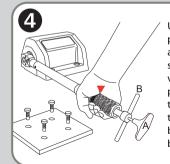




To insert Bar B into the hole of the handle bottom, make sure the grooves are aligned with two points of setting key.

After usage, the screws inside should maintain tightly. Turn Bar A clockwise and turn Bar B counterclockwise in order to loosen the locking system.





Use torque tester to proceed with torque adjustment; operator should apply force vertically on correct point. When checking the torque with torque tester, the equipment needs to be mounted securely before operating.



If the torque is too low, hold Bar A and Bar B and turn clockwise together; if the torque is too high, hold Bar A and Bar B and turn counterclockwise together.

Repeat operation several times until it meets desired torque.

