

Certification

This torque wrench as calibrated at the factory is certified to meet the accuracy in specifications: ASME B107.14-2004 and ISO 6789:2003. Additionally, all wrenches are calibrated on a torque standard traceable to the National Institute of Standards Technology (N.I.S.T.)

Conversion Table

Convert From	To	Multiply By
ozf.in	lbf.in	0.0625
lbf.in	ozf.in	16
lbf.in	kgf.cm	1.1519
lbf.in	lbf.ft	0.083333
lbf.in	kgf.m	0.011519
lbf.in	N.m	0.1130
lbf.in	dN.m	1.130
lbf.ft	N.m	1.356
lbf.ft	kgf.m	0.1382
lbf.ft	lbf.in	12
N.m	dN.m	10
N.m	kgf.cm	10.20
N.m	kgf.m	0.10197
N.m	lbf.in	8.8507
N.m	lbf.ft	0.73756
dN.m	lbf.in	0.885
dN.m	N.m	0.100
kgf.cm	lbf.in	0.8681
kgf.cm	N.m	0.09807
kgf.m	lbf.ft	7.233
kgf.m	N.m	9.807

For your Permanent File:

Wrench Model Number: _____

Serial Number: _____



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FORM 20-270A-ASG
02/08 REV. A



Standard Manual Torque Screwdrivers Pre-Set



Operation Manual

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Safety Messages



WARNING

Read operation manual completely before using torque instrument and store for future reference.

Wear safety goggles - both user and bystanders

- An out of calibration torque wrench can cause part or tool breakage
- Periodic re-calibration is necessary to maintain accuracy
- Do not exceed rated torque as overtorquing can cause wrench or part failure
- Broken or slipping tools can cause injury

Maintenance/Service

1. The torque screwdrivers internal mechanism is permanently lubricated during assembly. **Do not attempt to lubricate the internal mechanism.**
2. Clean torque screwdriver by wiping. **Do not immerse.**

Adjustments of Torque Settings



1/4"
Female
Hex

Tri-Lobed
Body

Removable
End Cap

To set screwdriver to desired torque:

1. Determine proper torque to be applied to the fastener.
2. Use a certified torque tester that is accurate within a range suited to screwdriver torque range
3. Remove end cap at the base of screwdriver. (See Figure I)



Figure I

4. Place screwdriver on tester and cycle several times observing the torque setting displayed on the tester.
5. With a 1/8" hex key adjust the set screw at the base of the preset torque screwdriver. Turn clockwise (CW) to increase the amount of torque and counter-clockwise (CCW) to decrease the amount of torque.

6. Adjust until the desired torque setting is reached. Turn the screwdriver several more times on the tester and fine tune the setting to as repeatable a number as possible. Replace end cap.
7. Install the proper bit into the hex receiver and the screwdriver is ready to use.
8. To torque fastener, keep hand centered on the handle. Turn handle until a click/impulse is heard or felt. Stop turning, the screwdriver will automatically reset for the next operation.

Use perpendicular in line with fastener



SIDE LOADING NOTE: When applying torque the screwdriver must be kept perpendicular to the plane of use (either horizontal or vertical). Inaccuracies in torque readings may occur from applying a "side load."