

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 20-275A-ASG
5/01 REV. N/C



Standard Manual Torque Screwdrivers Adjustable



Operation Manual

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Safety Messages



WARNING

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

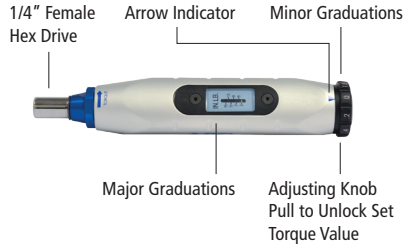
Wear safety goggles - both user and bystanders

- 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
- Do not use torque instrument to break fasteners loose
- Do not use cheater extension on the handle to apply torque
- 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.**
3. Store torque screwdriver in protective case at its lowest torque setting. **Do not force handle below lowest setting.**

Adjustments of Torque Settings



- A. To unlock adjusting knob, hold body of screwdriver and firmly pull knob to rear (See Figure IV)
- B. Set screwdriver to desired torque as follows:

EXAMPLE - 22 N.cm

1. Turn adjusting knob clockwise until the major graduation line is aligned with the **20** on scale (See Figure I) and arrow indicator on screwdriver body is in line to "0" graduation on the adjusting knob.
2. Turn adjusting knob two increments clockwise. Screwdriver is now set at **22 N.cm.** (See Figure II)



Figure I

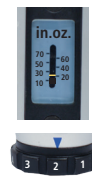


Figure II

3. To lock the adjusting knob, push towards the drive until it clicks into the lock position (See Figure III)
4. To torque fastener, keep hand centered on the screwdriver grip. Turn screwdriver clockwise until a click/impulse is heard or felt.

The screwdriver will automatically reset for the next operation.

Adjusting Knob Locked Position

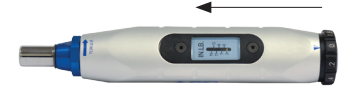


Figure III

Adjusting Knob Unlocked Position

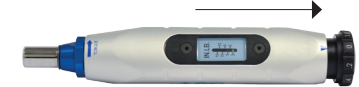


Figure IV

Driver performs at +/- 6% of full scale