

Torque Wrenches – Micrometer, Electronic and Beam Styles

SPEED



Quick and easy to set up, with only 5 initial steps required. After use, no need to unwind, just turn off.

STRENGTH



The standard Electronic Torque Wrenches are designed to withstand shocks without failure and have oil and solvent resistant housings.

ACCURACY



Multiple Alerts when the desired torque setting is reached prevent over-torquing of bolts.

GearWrench has a range of micrometer, electronic and beam torque wrenches designed for different applications and torque ranges. The micrometer torque wrenches come in 1/4", 3/8", 1/2" and 3/4" drive sizes and cover torque ranges from 30-200 in-lbs to 100-600 ft-lbs. The electronic torque wrenches deliver exceptional precision, and multiple alerts when the desired torque setting is reached, which prevents the over-torquing of bolts. There are also beam torque wrenches that are virtually repair and maintenance free and hold their accuracy well over time.

ELECTRONIC TORQUE WRENCHES

Accuracy

- When the target torque is reached the handle vibrates, so you can let off immediately for more accurate readings
- No need to "unwind" the torque wrench after use in order to maintain accurate calibration. Just turn it off.
- Audible and visual "Target Torque Alert" gives a warning as you approach the target torque setting, so there is less chance of over-torquing a bolt

Access

- 72-Tooth Ratchet Mechanism with a 5 degree swing arc

85076 - 3/8" Drive Torque Range

10 – 135 Nm
7.4 – 99.6 Ft-lb
88.5 – 1194 In-lb
1.02 – 13.77 Kgf-m
102 – 1377 Kgf-cm

Accuracy

- Accurate in Clockwise Direction +/- 2% and +/-3% in a counter-clockwise direction
- Accuracy from 20% - 100% of full scale
- Tested to ASME specifications

85077 - 1/2" Drive Torque Range

30 – 340 Nm
25.1 – 250.8 Ft-lb
300 – 3008 In-lb
3.46 – 34.68 Kgf-m
346 – 3468 Kgf-cm

Versatility

- 5 Torque Measurement Units available for working in: Nm, Ft-lb, In-lb, Kgf-m and Kgf-cm.
- Increments of Measurement: 0.1 Nm, 0.1 Ft-lb, 1 In-lb, 0.01 Kgf-m & 1 Kgf-cm



85076 3/8" Drive

- Requires 2 AA (alkaline) Batteries

ELECTRONIC TORQUE WRENCHES

- Digitally Track Torque Measurements. Multiple Alerts occur when the target torque is reached to prevent over-torquing of bolts. The handle vibrates, a buzzer sounds and an LED light shows solid color
- "Target Torque Alert" gives a warning as the target torque setting is approached, so there is less chance of over-torquing a bolt



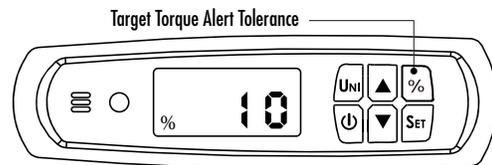
| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Tertiary Scale - Max Torque | Tertiary Scale Increments | Tooth Count | Head Thickness (ins) | Head Width (ins) | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-----------------------------|---------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85076 | 3/8" | 10 Nm - 135 Nm | 0.1 Nm | 7.4 Ft-lb - 99.6 Ft-lb | 0.1 Ft-lb | 88.5 In-lb - 1194 In-lb | 1 In-lb | 72 | 0.70 | 1.25 | 15.75 | 1.88 |
| 85077 | 1/2" | 30 Nm - 340 Nm | 0.1 Nm | 25.1 Ft-lb - 250.8 Ft-lb | 0.1 Ft-lb | 300 In-lb - 3008 In-lb | 1 In-lb | 72 | 0.85 | 1.58 | 25.75 | 2.79 |

EASE OF USE

HOW TO SET TARGET OR MAXIMUM TORQUE VALUE

- Turn on. Make sure torque is not being applied to the torque wrench. Press for 3 seconds to turn on.
- Select the unit of measurement. To select the unit of measurement press "UNI" and scroll through the options until the desired unit of measurement is displayed. There are five units of measurement: Nm, ft-lb, in-lb, kgf-m, kgf-cm.
- Without applying torque, press "SET" to enter the Target Torque value setting.
- Press or to change the Target Torque value.
- When the Target Torque value is reached, press "SET" to save the value.
- Press every time before taking a new torque measurement.

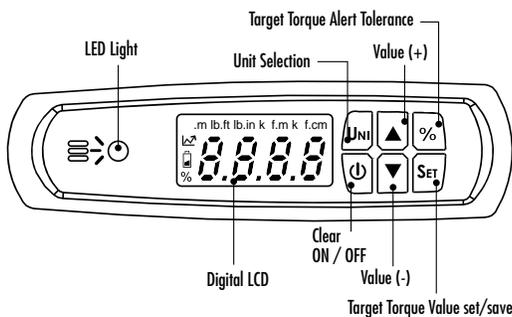
SETTING THE "TARGET TORQUE ALERT" TOLERANCE



- To set the Target Torque Alert Tolerance. Without applying torque, press "%" to enter at what percentage before the Target Torque is reached, the Target Torque Alert will start.
- Press or to change the Target Torque Alert Tolerance value.
- When the desired value is reached, press "%" to save the value.

NOTE: To exit Target Torque Alert Tolerance value set up without saving press . If the torque wrench is idle for 6 seconds during set up, the set up will automatically cancel, without saving.

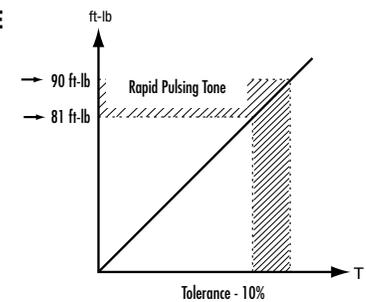
LCD DISPLAY & BUTTON FUNCTIONS



"TARGET TORQUE ALERT" EXAMPLE

If the Target Torque value is set to 90 ft-lbs, and the Target Torque Alert Tolerance is set to 10%.

The Target Torque Alert Tone will occur at 81 ft-lbs. There will be a rapid pulsing tone to indicate the torque value is getting close to the Target Torque value.



ELECTRONIC TORQUE WRENCHES - FLEX HEAD WITH ANGLE

- Digitally Track Torque and Angle Measurements. Buzzer with red, yellow, and green lights alerts you when target torque is reached
- 3 Torque Measurement Units Available for working in Nm, Ft-lb and In-lb
- Accurate in Clockwise Direction +/- 2% and +/-3% in a Counter-Clockwise Direction
- Accuracy from 20% - 100% of Full Scale
- 60-Tooth Ratchet Mechanism with a 6 degree swing arc
- Knurled Anodized Aluminum Handle for comfortable grip
- Operates on (4) AAA Batteries for up to 40 hours of continuous operation
- Meets or Exceeds ASME B107.28



| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Tooth Count | Head Thickness (ins) | Head Width (ins) | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85073 | 3/8" | 10 Ft-lb - 100 Ft-lb | 1 Ft-lb | 13.6 Nm - 135.6 Nm | 1 Nm | 60 | 0.96 | 1.24 | 17.75 | 5.40 |
| 85074 | 1/2" | 25 Ft-lb - 250 Ft-lb | 1 Ft-lb | 33.9 Nm - 339 Nm | 1 Nm | 60 | 1.31 | 1.81 | 26.5 | 5.82 |

MICROMETER TORQUE WRENCHES



1/4" Drive



3/8" Drive



1/2" Drive

- Accurate in Clockwise Direction +/- 3% from 20% to 100% of full scale
- Meet ISO 6789 Specifications and are calibrated on test equipment complying with accuracy requirements of ASME B107.300-2010
- Meet or Exceed ASME B107.300-2010
- Thin Profile, Sealed Tear-Drop Head Design for access & durability
- Pull Adjustment Collar for easy and quick torque setting changes
- Stamped Scale on Beam & Thimble Collar for durability and visibility
- Knurled Anodized Aluminum Handle for comfortable grip
- Mid-Point on Handle clearly marked for accuracy

| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Tooth Count | Head Thickness (ins) | Head Width (ins) | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85060 | 1/4" | 30 In-lb - 200 In-lb | 1 In-lb | 3.95 - 23.16 Nm | 0.11 Nm | 22 | 0.54 | 1.10 | 10.5 | 0.80 |
| 85061 | 3/8" | 30 In-lb - 250 In-lb | 1 In-lb | 4.52 - 29.38 Nm | 0.23 Nm | 30 | 0.72 | 1.4 | 14.0 | 1.95 |
| 85062 | 3/8" | 10 Ft-lb - 100 Ft-lb | 1 Ft-lb | 20.3 - 142.4 Nm | 1.4 Nm | 30 | 0.72 | 1.4 | 18.0 | 2.50 |
| 85063 | 1/2" | 20 Ft-lb - 150 Ft-lb | 1 Ft-lb | 33.9 - 210.2 Nm | 1.4 Nm | 32 | 0.81 | 1.75 | 21.9 | 3.10 |
| 85066 | 1/2" | 30 Ft-lb - 250 Ft-lb | 2 Ft-lb | 54.2 - 352.6 Nm | 2.7 Nm | 32 | 0.81 | 1.75 | 24.3 | 3.50 |

MICROMETER TORQUE WRENCH - 3/4" DRIVE

- Accurate in Clockwise Direction +/- 3% from 20% to 100% of full scale
- Meets ISO 6789 Specifications and is calibrated on test equipment complying with accuracy requirements of ASME B107.300-2010
- Meets or Exceeds ASME B107.300-2010
- 36-Tooth Ratchet Mechanism with a 10 degree swing arc
- Twist Locking Collar provides secure locking mechanism
- Stamped Scale on Beam & Thimble Collar for durability and visibility
- Pliable, Elastomer Handle Grip for superior comfort and oil and solvent resistance



| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Tooth Count | Head Thickness (ins) | Head Width (ins) | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85065 | 3/4" | 100 Ft-lb - 600 Ft-lb | 2.5 Ft-lb | 152.6 - 830.6 Nm | 3.4 Nm | 36 | 1.14 | 2.62 | 42.4 | 15.80 |

MICROMETER TORQUE WRENCHES - FLEX HEAD

- Accurate in Clockwise Direction +/- 3% from 20% to 100% of full scale
- Meet ISO 6789 Specifications and are calibrated on test equipment complying with accuracy requirements of ASME B107.300-2010
- Meet or Exceed ASME B107.300-2010
- Ratcheting Head Flexes Up to 30 Degrees for improved access
- Thin Profile, Sealed Tear-Drop Head Design for access & durability
- Pull Adjustment Collar for easy and quick torque setting changes
- Stamped Scale on Beam & Thimble Collar for durability and visibility
- Knurled Anodized Aluminum Handle for comfortable grip
- Mid-Point on Handle clearly marked for accuracy



| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Tooth Count | Head Thickness (ins) | Head Width (ins) | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85086 | 3/8" | 5 Ft-lb - 75 Ft-lb | 0.5 Ft-lb | 10.17 - 105.1 Nm | 0.68 Nm | 30 | 0.72 | 1.4 | 17.7 | 2.42 |
| 85087 | 1/2" | 30 Ft-lb - 250 Ft-lb | 2 Ft-lb | 54.2 - 352.6 Nm | 2.7 Nm | 36 | 0.93 | 1.75 | 25.25 | 3.82 |

TIRE SHOP MICROMETER TORQUE WRENCH

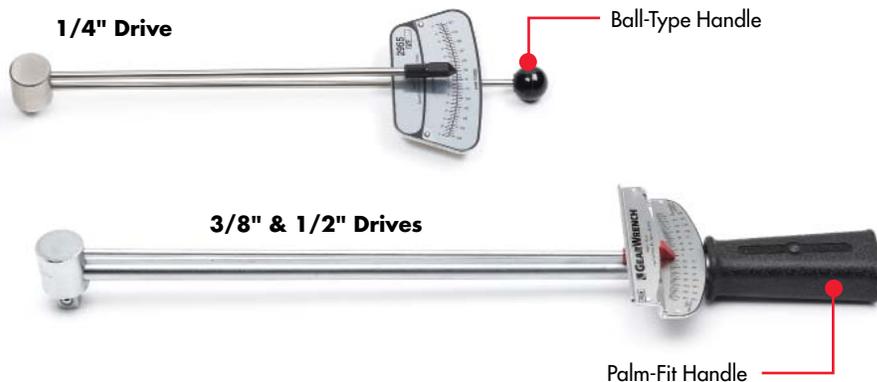
- Use for Checking Wheel Lug Nuts to manufacturer recommended torque value
- Helps Prevent the Warping of brake rotors caused by over torquing
- Tough "Tire Tread" Rubber Cover on Head, Lock Ring and Handle provides cushioning effect to reduce fatigue and tool damage
- Accurate in Clockwise Direction +/- 3% from 20% to 100% of full scale
- Meets ISO 6789 Specifications and is calibrated on test equipment complying with accuracy requirements of ASME B107.300-2010
- Meets or Exceeds ASME B107.300-2010
- 32-Tooth Ratchet Mechanism with an 11 degree swing arc
- Pull Adjustment Collar for easy and quick torque setting changes
- Stamped Scale on Beam & Thimble Collar for durability and visibility



| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Tooth Count | Head Thickness (ins) | Head Width (ins) | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85088 | 1/2" | 30 Ft-lb - 250 Ft-lb | 2 Ft-lb | 54.2 - 352.6 Nm | 2.7 Nm | 32 | 0.99 | 2.21 | 24.9 | 3.47 |

BEAM TORQUE WRENCHES

- Pointer Moves Clockwise or Counter-Clockwise to measure torque in Standard or Metric Scales
- Accurate to +/- 7 Degrees
- Serviceable By Bending pointer to zero before use
- 1/4" Drive features Ball-Type Handle to localize force, ensuring accuracy
- 3/8" and 1/2" Drives feature Palm-Fit Handle that Pivots on Beam to maintain constant distance from drive point to load point for precise measurement



| SKU # | Drive Size | Primary Scale Range - Max Torque | Primary Scale Increments | Secondary Scale - Max Torque | Secondary Scale Increments | Overall Length (ins) | Weight (lbs) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|----------------------|--------------|
| 2955D | 1/4" | 0 In-lb - 60 In-lb | 2.5 In-lb | 0 Nm - 7 Nm | 0.25 Nm | 11.00 | 0.50 |
| 2956D | 3/8" | 0 In-lbs - 600 In-lbs | 50 In-lb | 0 Nm - 68 Nm | 12.00 Nm | 16.00 | 1.00 |
| 2957N | 1/2" | 0 Ft-lb - 150 Ft-lb | 5 Ft-lb | 0 Nm - 190 Nm | 27.00 Nm | 20.00 | 2.50 |