

GEARWRENCH

FORGE AHEAD



Torque Wrench Guide

Electronic Torque Wrenches, Micrometer Torque Wrenches,
Certified Torque Wrenches and Beam Torque Wrenches



Electronic Torque Wrenches With Angle

- Digitally tracks torque and angle measurement. Multiple alerts when the target torque is reached prevent over-torquing of bolts. Handle vibrates, buzzer sounds and LCD screen alerts when the target torque is reached
- Three function modes: peak torque, angle and peak angle
- "Target Torque Alert" and "Target Angle Alert" gives a warning as the target torque or target angle is approached, so there is less chance of over torquing a bolt
- Accurate in clockwise direction +/- 2% and +/-3% in a counter-clockwise direction, from 20% to 100% of full scale
- Angle Accuracy (+/-1% of Reading) + (+/-1 degree @ angular velocity >10 degree/sec <180 degree/sec) + (+/-1 degree of test fixture)
- Five torque measurement units are available: Nm, ft-lbs, in-lbs, kgf-m, kgf-cm
- Ten torque setting presets for frequently repeated applications
- Meets or exceeds ASME B107.300
- Requires 2 AA (alkaline) batteries



85078
3/8" drive

15 degree flex head for improved access



85079
1/2" drive

Handle and housing are oil and solvent resistant

| 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) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|-------------|----------------------|------------------|----------------------|--------------|
| 85078 | 3/8" | 10 - 100 ft-lb | 0.1 ft-lb | 10 - 135 Nm | 0.1 Nm | 72 | 0.70 | 1.25 | 16.75 | 2.07 |
| 85079 | 1/2" | 25 - 250 ft-lb | 0.1 ft-lb | 34 - 340 Nm | 0.1 Nm | 72 | 0.85 | 1.58 | 25.0 | 3.08 |

Electronic Torque Wrenches

- Digitally tracks torque measurement. Multiple alerts when the target torque is reached prevent over torquing of bolts. Handle vibrates, buzzer sounds and LED light shows solid
- "Target Torque Alert" gives a warning as the target torque setting is approached, so there is less chance of over torquing a bolt
- Accurate in clockwise direction +/- 2% and +/-3% in a counter-clockwise direction, from 20% to 100% of full scale
- Five torque measurement units are available: Nm, ft-lbs, in-lbs, kgf-m, kgf-cm
- Meets or exceeds ASME B107.300
- Requires 2 AA (alkaline) batteries



85076
3/8" drive



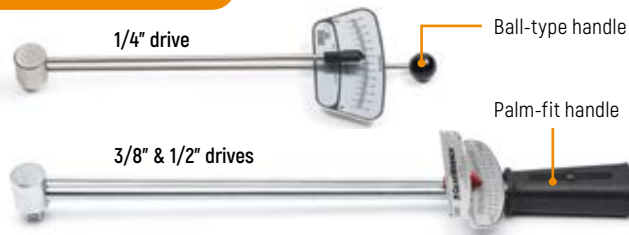
85077
1/2" drive

Handle and housing are oil and solvent resistant

| 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 | 74 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 |

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) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|----------------------|--------------|
| 2955N | 1/4" | 0 in-lb - 80 in-lb | 2.5 in-lb | 0 Nm - 9 Nm | 0.25 Nm | 11.25 | 0.50 |
| 2956N | 3/8" | 0 in-lbs - 800 in-lbs | 50 in-lb | 0 Nm - 90 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 |

120XP Micrometer Torque Wrenches



- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Enclosed head design for extreme resistance to dirt infiltration
- Teardrop low profile head and flush mounted on/off switch allow better access in tight spaces
- Injection molded cases with removable lids for convenient storage



85176
3/8" drive



120 positions, 3 degree ratcheting arc



85181
1/2" drive



High definition scale markings are easier to read



- Knurled aluminum grip
- Midpoint 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) |
|-------|------------|----------------------------------|--------------------------|------------------------------|----------------------------|--------------|----------------------|------------------|----------------------|--------------|
| 85171 | 1/4" | 30 - 200 in-lb | 1 in-lb | 3.95 - 23.16 Nm | 0.11 Nm | 120 position | 0.39 | 0.96 | 11 | 0.85 |
| 85176 | 3/8" | 10 - 100 ft-lb | 1 ft-lb | 20.3-142.4 Nm | 14 Nm | 120 position | 0.55 | 1.25 | 18.5 | 2.55 |
| 85181 | 1/2" | 30 - 250 ft-lb | 2 ft-lb | 54.2-352.6 Nm | 2.7 Nm | 120 position | 0.75 | 1.75 | 24.75 | 3.7 |

Micrometer Torque Wrenches

- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Thin profile, sealed tear-drop head design for access and durability
- Pull adjustment collar for easy and quick torque setting changes
- Midpoint on handle clearly marked for accuracy

85060
1/4" drive



85062
3/8" drive



Stamped scale on beam and thimble collar for durability and visibility



85066
1/2" drive

Knurled anodized aluminum handle for comfortable grip

| 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 - 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 - 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 - 100 ft-lb | 1 ft-lb | 20.3 - 142.4 Nm | 14 Nm | 30 | 0.72 | 1.4 | 18.0 | 2.50 |
| 85063 | 1/2" | 20 - 150 ft-lb | 1 ft-lb | 33.9 - 210.2 Nm | 14 Nm | 32 | 0.81 | 1.75 | 21.9 | 3.10 |
| 85066 | 1/2" | 30 - 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 Wrenches - Flex Head

- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Ratcheting head flexes up to 30 degrees for improved access
- Thin profile, sealed tear-drop head design for access and durability
- Pull adjustment collar for easy and quick torque setting changes
- Midpoint on handle clearly marked for accuracy

Stamped scale on beam and thimble collar for durability and visibility



85087
1/2" drive

Knurled anodized aluminum handle for comfortable grip

| 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

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 |

Micrometer Torque Wrench 3/4" Drive

- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Twist locking collar provides secure locking mechanism

Stamped scale on beam and 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 |

Certified Micrometer Torque Wrenches

A range of torque wrenches can be ordered with a "Certificate of Calibration". The certification is the documentation of the actual calibration of the torque wrench and includes, model number, serial number, the date, actual torque reading, information about the test equipment and test equipment calibration standards.

| SKU # | Description | Cert Part # |
|-------|---|-------------|
| 85171 | 1/4" Dr 30 - 200 in-lb 120XP Ratchet Head | 85171CERT |
| 85060 | 1/4" Dr 30 - 200 in-lb | 85060CERT |
| 85061 | 3/8" Dr 30 - 250 in-lb | 85061CERT |
| 85176 | 3/8" Dr 10 - 100 ft-lb 120XP Ratchet Head | 85176CERT |
| 85062 | 3/8" Dr 10 - 100 ft-lb | 85062CERT |
| 85086 | 3/8" Dr 5 - 75 ft-lb Flex-Head | 85086CERT |
| 85063 | 1/2" Dr 20 - 150 ft-lb | 85063CERT |
| 85181 | 1/2" Dr 30 - 250 ft-lb 120XP Ratchet Head | 85181CERT |
| 85066 | 1/2" Dr 30 - 250 ft-lb | 85066CERT |
| 85087 | 1/2" Dr 30 - 250 ft-lb Flex Head | 85087CERT |
| 85065 | 3/4" Dr 100 - 600 ft-lb | 85065CERT |