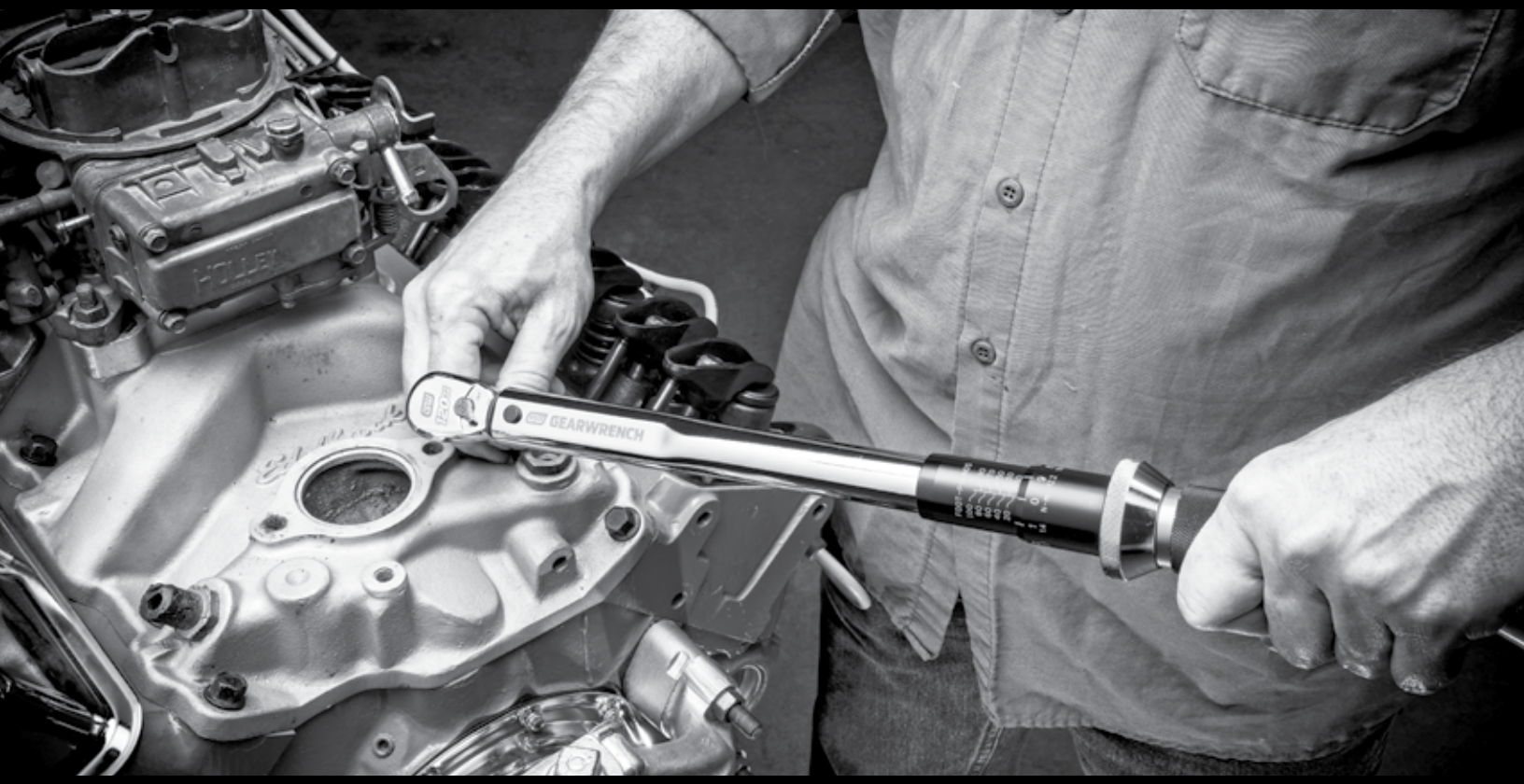
GEARWRENCH

FORGE AHEAD



Torque Wrench Guide

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

1 YEAR LIMITED WARRANTY





GEARWRENCH

Electronic Torque Wrenches With Angle

- Digitally tracks torque and angle measurement. Multiple alerts when the target torque is reached prevent over-torqueing 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 torqueing 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 torqueing 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 torqueing 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	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

Beam Torque Wrenches

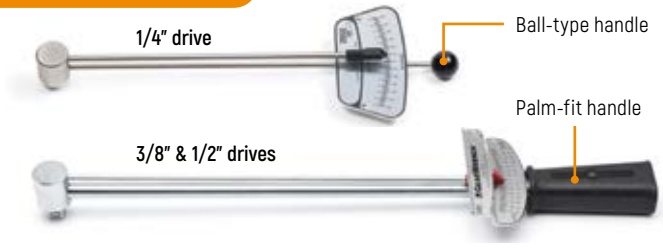
- Pointer moves clockwise or counter-clockwise to measure torque in standard or metric scales
- Accurate to +/- 7 degrees
- Serviceable by bending pointer to zero before use
- 1/4" drive features ball-type handle to localize force, ensuring accuracy
- 3/8" and 1/2" drives feature palm-fit handle that pivots on beam to maintain constant distance from drive point to load point for precise measurement

1/4" drive

Ball-type handle

Palm-fit handle

3/8" & 1/2" drives



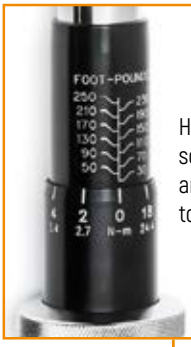
SKU #	Drive Size	Primary Scale Range - Max Torque	Primary Scale Increments	Secondary Scale - Max Torque	Secondary Scale Increments	Overall Length (ins)	Weight (lbs)
2955N	1/4"	0 in-lb - 80 in-lb	2.5 in-lb	0 Nm - 9 Nm	0.25 Nm	11.25	0.50
2956N	3/8"	0 in-lbs - 800 in-lbs	50 in-lb	0 Nm - 90 Nm	12.00 Nm	16.00	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







High definition scale markings are easier to read

120 positions, 3 degree ratcheting arc



85181
1/2" drive



- Knurled aluminum grip
- Midpoint marked for accuracy

85176
3/8" drive



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	1.4 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

Stamped scale on beam and thimble collar for durability and visibility



85066
1/2" drive

Knurled anodized aluminum handle for comfortable grip

85060
1/4" drive



85062
3/8" drive



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	1.4 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	1.4 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

GEARWRENCH

Micrometer Torque Wrenches - Flex Head

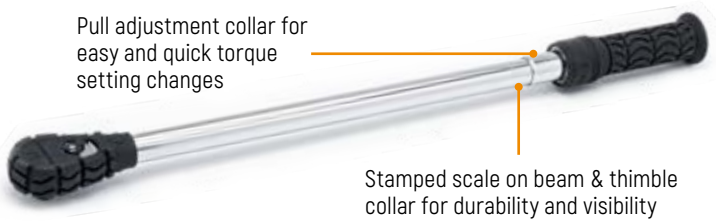
- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Ratcheting head flexes up to 30 degrees for improved access
- Thin profile, sealed tear-drop head design for access and durability
- Pull adjustment collar for easy and quick torque setting changes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



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 torqueing
- 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



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



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

Apex Tool Group, LLC
1000 Lufkin Road, Apex, NC 27539
www.apextoolgroup.com
©2018 Apex Tool Group, LLC

GEARWRENCH® is registered as a trademark of Apex Brands, Inc., a Division of Apex Tool Group, LLC

Specifications subject to change without notice.

ATG-4115 T551045

www.gearwrench.com

FORGE AHEAD