TORQUE-TECH

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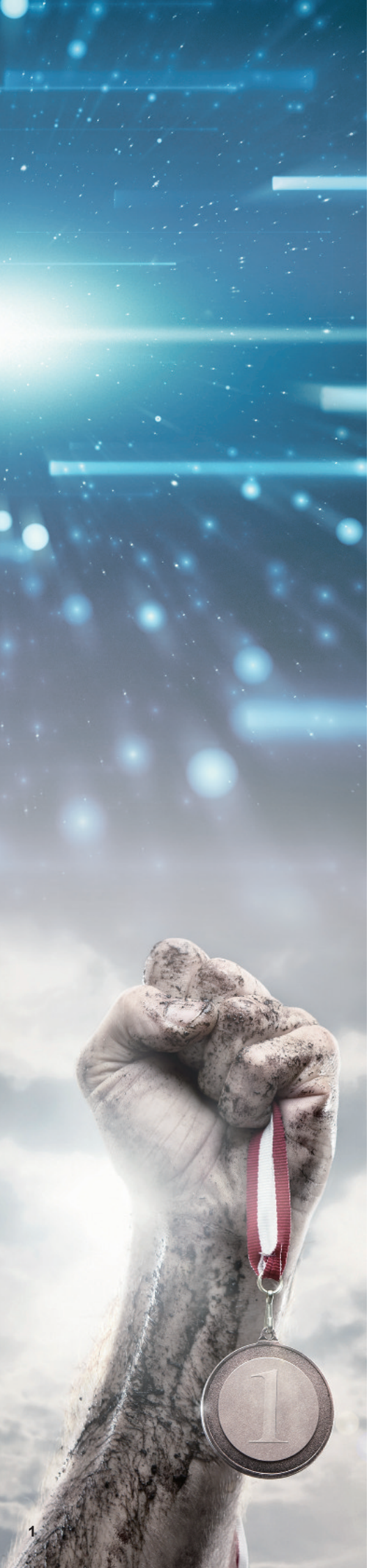
2020 CATALOGUE

TORQUE-TECH

THE MASTER OF TORQUE CONTROL



INNOVATION
IS KEY TO THE FUTURE.

Innovation-based development is the primary driving force for Torque-Tech to achieve the sustainable business growth at the global market. Our goal is to be one of the world's leading manufacturers in professional torque tools for aerospace, automotive/utility vehicles, energy, wind power and industrial application.

Torque-Tech was established since of year 2000 and is the leading torque wrench manufacturer in Taiwan. With offering the wide range of products in torque tools, we've earned the high reputation from our global customers.

Through continuous investment in the product innovation and technology integration, as well as introducing the QC system, measuring instruments and calibration certificates, it has promoted our competence and increased our visibility in the industry.

Upholding the spirit of putting our customers first, we will keep focus on the persistent quest for quality products and take customers' satisfaction as our ultimate goal as the principles.

VISION

Torque-Tech is endeavor to be the expertise in the torque industry and used to carrying out each step in great caution.
We will keep providing the quality products to the customers in the filed of aerospace, manufacturing, transportation, wind power and energy generation. We are confident to achieve the next new milestone, based on our experienced staffs, excellent customers, dedicated service and potential growth momentum.

MILESTONE

▶2000
Company established and put into the machining process of torque wrench components.

▶2001
Put into the production of ratchet wrench.

▶2004
Acquire the industrial torque wrench technology transferred from USA and start the production.

▶2005
Acquire the certificate of ISO 9001 quality certificate.

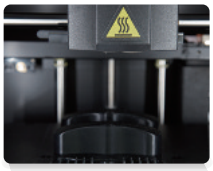
▶2006
Acquire GS product safety certificate approved by VPS.

▶2007
Participate the international hardward & automotive exhibitions in Koln, Spain and France.

▶2008
Participate international hardward & automotive exhibitions in Frankfurt, Dubai and Moscow.

▶2009
Launch the new product of torque multiplier and torque screwdriver.

▶2010
Move to new plant located in Wuri Taichung with land area 38000 square feet.



▶2011
Introduce 3D coordinate measurement & 3D rapid prototyping machine.

▶2012
Acquire the certificate of BSCI (Business Social Compliance Initiative).

▶2012
International Calibration Laboratory approved by TAF (Taiwan Accredited Foundation).

▶2013
Complete the plant expansion to land area of 70000 square feet & total 120 employees.

▶2014
Acquire ISO/TS16949 Automotive Quality System Certificate.

▶2015
Introducing the image dimension measure system from KEYENCE IM series.

▶2016
Acquire SOLIDWORKS Simulation software for enhancing the product design.

▶2017
Introducing 7 sets new vertical machining centers for enchancing the production capacity and efficiency.

▶2018
Awarded the update quality management system -ISO 9001:2015 certification.

▶2019
Being the leading manufacturer of industrial mechanical torque wrench in Taiwan.

DRIVEN BY INNOVATION

We can remain good, because we keep strive to be constantly better

COLLABORATION ORGANIZATION

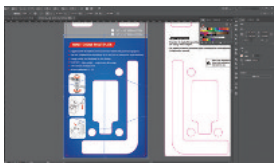
Based on Torque-Tech complete organizational structure, RD team can not only get the support from the top management, but also receive the collaboration from internal departments thru whole product development process-- from product conception to product commercialization.

PRODUCT DESIGN CAPABILITY

By providing innovation products and focusing on customer requirements, Torque-Tech has gained the good reputation for decades. The product design capability we've possessed from product patent research and development, product structural design, product appearance design to product package design. The fundamental ability enables Torque-Tech provide the variety of mechanical torque wrenches during the past and develop more product invention in the future.

▲ **Product Patent**

▲ **Industrial Design**



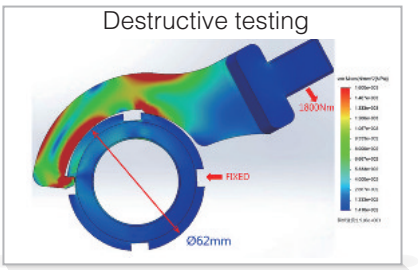
▲ **Package Design**

▲ **Mechanism Engineering**

PRODUCT DESIGN AID

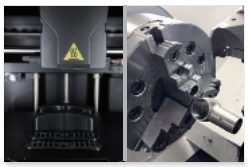
Torque-Tech tools represent durability, accountability and high quality standards. We provide torque wrenches with wide scope of use from 0.05Nm to 3000Nm, from iphone production line to heavy industry, and from professional technicians to general users. These product demonstrations are all based on our perfect product design aid, which includes Drawing Software, Solidwork Simulation Software, Rapid Prototype Machine and CNC Machine. With the aids, it helps us to introduce the new products on the market efficiently.

▲ **Simulation Software**



▲ **Simulation Software**

▲ **CAE Analysis**



▲ **Rapid Prototyping CNC Machine**

CORE COMPETENCE

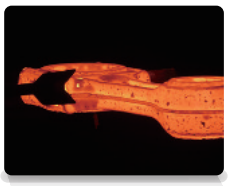
Market-oriented products with the proper design for ergonomics, esthetics and feature uniqueness is the essential to meet higher customer demands in a variety of area.

Customers rely on Torque-Tech to provide product service from products conceptualization, 3D modeling, rapid prototyping, working samples, to performance and reliability testing.

Moreover, our manufacturing management involves a large number of our own patents and constant refinements undertaken on our products ensure a maximum performance standard.

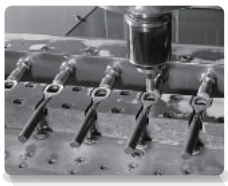
In order to guarantee the consistent production and quality products, we focus not only process control, assembly, service, but also quality assurance and supply chain management.

PROCESS

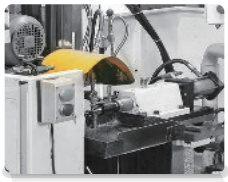

▶ 01 Forging

▶ 02 Surface Grinding

▶ 03 Centerless Grinding


▶ 04 CNC Milling

▶ 05 CNC Lathing


▶ 06 Grooving

▶ 07 Drilling

▶ 08 Knurling

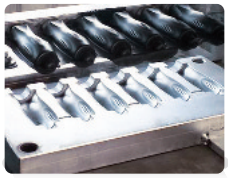
▶ 09 Heat treatment

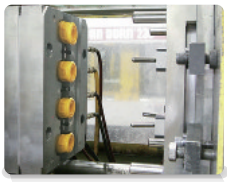
▶ 10 Polishing

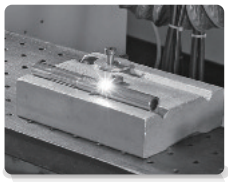
▶ 11 Vibration

▶ 12 Sand blasting

▶ 13 Plating


▶ 14 Plastic Injection


▶ 15 Insert Moulding


▶ 16 Laser

▶ 17 Assembly

▶ 18 Calibration

▶ 19 Packaging

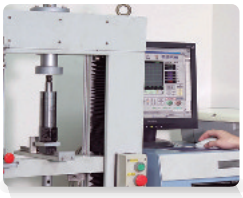
▶ 20 Inspection

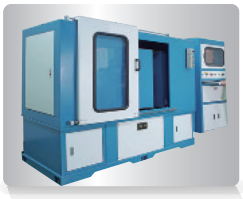
QUALITY MAKES THE DIFFERENCE

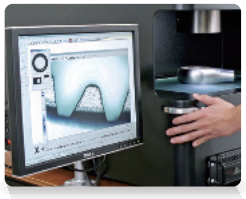
Torque-Tech has been positioned as the master of torque tools in the industry for years in Taiwan and has been well recognized as the outstanding suppliers for big brand customers in the world.

In order to enhancing the quality management system, we acquire ISO/TS16949:2009 certificate, assessed and registered by NQA England in year 2014, It helps Torque-Tech gain the global recognition as a reputable supplier throughout the automotive supply chain.

Due to the TS16949 license, it results in substantial improvements in all aspects, from designing, developing, manufacturing, service and overall efficency for our internal quality management.







INTERNATIONAL CALIBRATION LABORATORY

An in-house laboratory approved by the international accreditation foundation has been set up in year 2013 to calibrate the manual torque tools, mechanical test devices and torque transducers.

We guarantee that all products are conducted 100% calibration testing by the computer-controlled calibration testers in house.

All the torque wrenches are fully complied with DIN-ISO-6789-1:2017 and ASME B107.300-2010 standard and the internal quality system is in accordance with ISO 9001:2015

- THE LAB. IS ACCREDITED BY TAF (TAIWAN ACCREDITATION FOUNDATION) IN YEAR 2012
- BELONGING TO ILAC MRA SIGNATORIES MEMBERS
- ACCREDITATION CRITERIA: ISO/IEC 17025:2005
- THE VALUE OF THE LAB. GRAVITY: ga = 978824.50 (mGal)
- OFFER THE CALIBRATION OF TORQUE TOOLS UP TO 1500N.M.
- APPLIED TORQUE IS ACHIEVED WITH THE UNCERTAINTY < 0.02%
- THE MACHINING PRECISION OF THE BEAM IS ±0.01%

KNOWLEDGE SHARING

INTRODUCTION OF TORQUE WRENCH

Q: What is torque wrench?

Ans: A torque wrench is a precision tool and should be treated and maintained as a measuring instrument. It's a wrench that allows the user to accurately tighten a fastener to a torque they specify for preventing the common over-tightening problem.

Q: The purpose of using torque wrench?

Ans: In the maintenance and manufacturing world, tightening, controlling, or measuring torque of fasteners is imperative for quality control. With inadequate torque, a fastener can vibrate or work loose. Conversely, if the torque is too high, the fastener can break, strip and damaged.

Q: The units for torque wrench measurement?

Ans: There are three common torque units --

1. SI (International Standard) based on Newton meters (Nm) unit.
2. Metric based on Kilogram force centimeters (kgf.cm) unit.
3. American/English based on inch pounds (lb-in) or foot pound (lb-ft) unit.

Q: What is the applicable users for torque wrench?

Ans: Torque wrench can be applied in various industrial channels, such as automotive, oil, gas, mining, aviation, railroad, energy, generation, wind power industries……etc..

Q: How to choose a proper torque wrench?

Ans: Torque wrench are most accurate in the middle of their range, so the best application of a torque wrench is 20% to 80% of the maximum value.

Q: How to differentiate the torque wrench from industrial level, auto-maintenance level and DIY level?

Ans: The performance of torque accuracy, torque stability, life cycle and product durability are all different.

MAINTENANCE OF TORQUE WRENCH

Q: What about storage of torque wrench?

Ans: As a calibrated device, all torque wrench should be set to its lowest torque setting and stored in a protective case after use.

Q: How often does a torque wrench need to be calibrated? How is this done?

Ans: To maintain its measuring accuracy, torque wrench calibration should be done periodically. We suggest have torque wrenches be calibrated every 5000 tightenings or every twelve months usage, with a professional calibration service employed the proper testing device.

Q: What are the test points the torque wrench should be calibrated?

Ans: According to DIN-ISO-6789:2017, the torque wrench verification should be carried out at the minimum value of the indicated measurement range, at 60% and at 100% of the maximum value.

Q: Precautions for the use for torque wrench

Ans(a): If the torque wrench is first time use or has be unused for a long time, set the wrench to the maximum torque and operate the click mechanism ten times both CW/CCW before using the wrench on a fastener.

(b): Don't use the torque wrench as a replacement for a general wrench or hammer.

(c): Don't use any extension to avoid incorrect reading, unless it's recommended by the manufacturer.

(d): Never use a torque wrench beyond its capacity mentioned in the instruction manual.

Q: How to repair the ratchet head of torque wrench?

Ans: The components of ratchet head will be worn after use; this is normal fatigue. The user can purchase the ratchet head repair kit for easy replacement and no re-calibration is requested.

OVERVIEW OF TORQUE TOOLS

HEAD TYPE

RATCHET TYPE

CW direction or CW/CCW direction

REF. PAGE 17 25 34 35 53 61 63 85

PUSH THROUGH TYPE

REF. PAGE 27 43 59

REVERSIBLE TYPE

REF. PAGE 21 33 47

FIXED HEAD TYPE

REF. PAGE 37

FLEXIBLE TYPE

REF. PAGE 22 57

INTERCHANGEABLE TYPE *(Spigot End)*

REF. PAGE 32 40 50

INTERCHANGEABLE TYPE *(Rectangular cavity)*

REF. PAGE 19 31 35 49 87

RATCHET TYPE *(Oval Shape)*

REF. PAGE 55 90

DRIVE TYPE

24T

The angle of each tooth is 15°

32T

The angle of each tooth is 11.25°

64T

The angle of each tooth is 5.625°

72T

The angle of each tooth is 5°

36T PUSH THROUGH

The angle of each tooth is 10°

PAWL DESIGN

TWO PAWLS

For example: Ratchet head type

REF. PAGE 17 25 34 35 45 51 53 61 63 65 89

THREE PAWLS

For example: Slipping type

REF. PAGE 56 90

FOUR PAWLS

For example: 2500Nm type

REF. PAGE 27

HORN PAWL *(Gear to Gear)*

For example: 72T type

REF. PAGE 21 33 47

MOON PAWL *(Gear to Gear)*

For example: Split - beam type

CLUTCH MECHANISM

SINGLE LEVER

REF. PAGE 43

PAWL

REF. PAGE 17 25

MULTI-LEVER

REF. PAGE 37 39 40

ROLLER TYPE

REF. PAGE 92

DUAL BEAM

REF. PAGE 57 59

CAM-OVER

REF. PAGE 56 90

OVERVIEW OF TORQUE TOOLS

TORQUE ADJUSTMENT METHOD

PUSH DOWN TYPE

Press locking ring to “unlock” the wrench for torque setting, release locking ring to “lock” automatically.

REF. PAGE 17 19 21 22

SCREW THREAD FITTING TYPE

Turn fulcrum screw CCW direction to “ UNLOCK” the wrench for torque setting ; turn screw CW direction to” LOCK”

REF. PAGE 63

PULL OUT TYPE

Quick pull out easy adjustment with unique crank.

REF. PAGE 37 39 40 43

TURN SWITCH TYPE

Turn switch button CCW direction to “UNLOCK” the wrench for torque setting; turn switch CW direction to “LOCK”

REF. PAGE 45 47 49 50 55

KNOB TYPE

Open the hinge cover, adjust setting by knob and then put the cover on.

REF. PAGE 57 59

AUXILIARY TOOL TYPE

Applying the allen key to adjust the torque.

REF. PAGE 95

PULL OUT TYPE

Pull out the knob and rotate to the required torque.

REF. PAGE 53 83

TUBE FINISH

SANDBLASTING

ELECTROPLATING

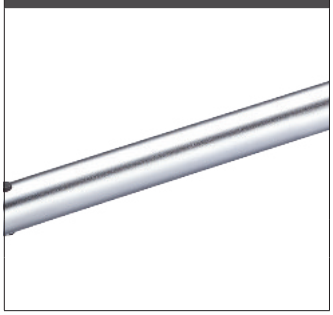
PAINTING

BLACK-CHROM PLATING

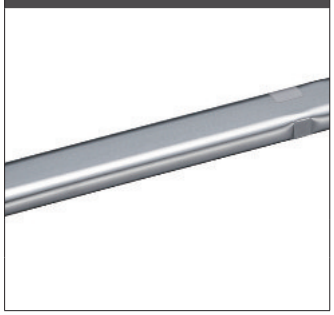
ANODIZING

TUBE TYPE

ROUND



ROUND & SQUARE



SQUARE

HANDLE DESIGN

RUBBER TPR HANDLE

REF. PAGE 17 19 85

KNURLED HANDLE

REF. PAGE 25 27

ALUMINUM KNURLED HANDLE

REF. PAGE 34

PLASTIC ABS HANDLE

REF. PAGE 61

PLASTIC NBR HANDLE

REF. PAGE 45 47 49 50 55

RUBBER NBR HANDLE

REF. PAGE 79 97

ABS + NBR HANDLE

REF. PAGE 53

ABS + TPR HANDLE

REF. PAGE 57 59 63

THE MASTER OF TORQUE CONTROL

"Give me a place to stand on, and I will move the earth"
-Archimedes

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24 Interchangeable Torque Wrench Set (11 Pcs)
25 Industrial Torque Wrench (69 Series)
27 Industrial Torque Wrench
31 Interchangeable Torque Wrench (69 Series)
32 Interchangeable Torque Wrench (69 Series)
33 Reversible Torque Wrench (69 Series)
34 Industrial Torque Wrench (69 Series w / anodic handle)
35 Mini Torque Wrench
35 Mini Interchangeable Torque Wrench
36 Mini Torque Wrench Set
37 Aluminum Torque Wrench (Single drive)
39 Aluminum Torque Wrench (Dual drives)
40 Interchangeable Aluminum Torque Wrench
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65 Professional Torque Wrench Set
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73 Torque Multiplier

75 Torque Multiplier

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92 Open-End Torque Wrench

93 L-Preset Torque Wrench Set

94 L-Interchangeable Preset Torque Wrench Set

Pre-Lock Torque Wrench

95 Pre-Lock Torque Wrench

Preset Torque Screwdriver

97 Preset Torque Screwdriver

99 Aluminum Preset Torque Screwdriver

100 Preset T-handle Torque Screwdriver

101 Preset Torque Limiter

Torque Valve Screwdriver

102 Torque Valve Screwdriver

Rotary Angle Gauge

103 Rotary Angle Gauge

Double Size Ratchet Wrench

104 Double Size Ratchet Wrench

Torque Tester

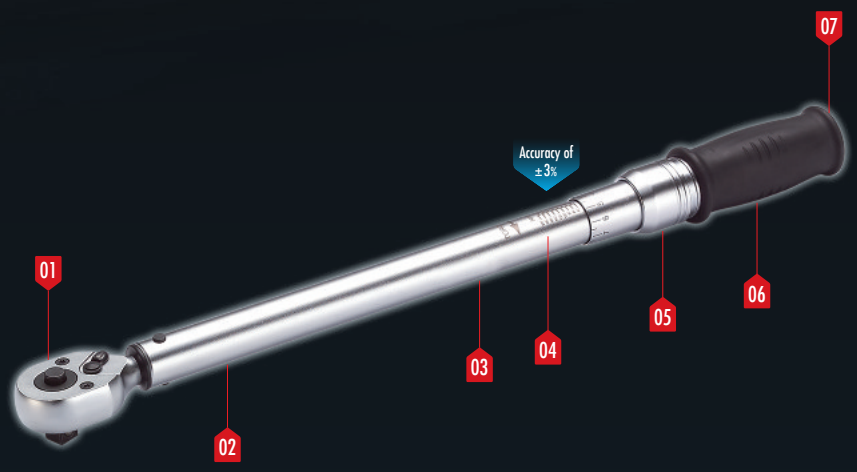
105 TQC Super Torque Tester

106 Professional Torque Tester

Repair Tool

107 Dismounting Tools Set

ADJUSTABLE TORQUE WRENCH



01 (a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
(b) D Drive: Chromium-molybdenum alloy steel brings better stability and reliability.
(c) Push button design for quick release function.
(d) Accuracy of torque +/-3%; quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Round tube: Applied to both clockwise and counterclockwise directions.
Steel Tube: The steel with carburizing process for better strength and life cycle.
Electroplating Finished: Good for anti-corrosion and anti-abrasion.

03 Serial number: Each piece engraving serial number for traceability.

04 Single or dual scale laser marking.
Micrometer scale for more accurate torque value setting.

05 (a) Easy torque-adjusting design.
(b) Lock mechanism: Press locking ring to ”unlock” the wrench for torque setting; release locking ring to “lock”

06 Handle: Ergonomic-shape, oil-resistant and non-slip rubber grip.

07 Poly end cap: Customized color is available.

INDUSTRIAL TORQUE WRENCH (62 Series)

Features

- Industrial application.
- Wide range of choice.
- Tolerance of torque ±3%.
- Easy torque-adjusting design.
- Quick release design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-262-1DW	1/4"	24T	2-10	0.1	281	590	24
TW-262-2DW			4-20	0.1	329	650	24
TW-262-4DW			10-50	0.25	329	650	24
TW-262-8DW			5-25	0.2	329	650	24
TW-362-1DW	3/8"	24T	4-20	0.1	329	650	24
TW-362-2DW		32T	20-100	0.5	436	1320	12
TW-362-3DW			10-60	0.5	344	760	24
TW-362-4DW			10-50	0.25	344	760	24
TW-362-8DW			5-25	0.2	329	650	24
TW-362-9DW		24T	2-10	0.1	281	590	24
TW-462-1DW	1/2"	32T	40-200	1.0	512	1580	12
TW-462-2DW			60-340	2.0	614	1800	12
TW-462-3DW			60-420	2.0	614	1800	12
TW-462-5DW			80-400	2.0	614	1800	12
TW-462-8DW			50-350	2.0	614	1800	12
TW-462-84W			20-100	0.5	436	1310	12
TW-442-8DW			20-100	0.5	436	1310	12
TW-462-9DW			70-350	2.0	614	1800	12
TW-662-1DW	3/4"	24T	100-600	5.0	1050	5030	2
TW-662-2DW			150-800	5.0	1240	6110	2
TW-662-3DW			200-1000	5.0	1240	6110	2
TW-662-5DW		32T	80-400	2.0	614	1800	12
TW-642-5DW			80-400	2.0	614	1800	12
TW-862-1DW	1"	24T	150-800	5.0	1240	6230	2
TW-862-2DW			200-1000	5.0	1240	6110	2
TW-862-3DW			300-1500	10	1850	10510	2

TT NO.	Square drive	Teeth	ft-lb(in-lb)	Graduation	L(mm)	g	case/CTN
TW-262-1EW	1/4"	24T	20-100	1.0	281	590	24
TW-262-2EW			30-200	1.0	329	650	24
TWN-262-2EW			40-200	1.0	329	650	24
TW-262-6EW			100-500	2.5	329	650	24
TW-262-7EW			50-250	2.0	329	650	24
TW-362-1EW	3/8"	24T	30-200	1.0	329	650	24
TWN-362-1EW			40-200	1.0	329	650	24
TW-362-2EW		32T	10-80	0.5	436	1320	12
TWN-362-2EW			15-80	0.5	436	1320	12
TW-462-1EW	1/2"	32T	20-150	1.0	512	1580	12
TW-462-2EW			30-250	1.0	614	1800	12
TWN-462-2EW			50-250	1.0	614	1800	12
TW-442-8EW			10-80	0.5	436	1320	12
TWN-442-8EW			15-80	0.5	436	1320	12
TW-662-1EW	3/4"	24T	50-450	5.0	1050	5030	2
TWN-642-1EW			100-450	5.0	1050	5030	2
TW-662-2EW			100-600	5.0	1240	6110	2
TW-662-3EW			150-750	5.0	1240	6110	2
TW-642-4EW		32T	60-300	2.0	614	1800	12
TW-862-1EW	1"	24T	100-600	5.0	1240	6230	2
TW-862-2EW			150-750	5.0	1240	6110	2
TW-862-3EW			200-1000	5.0	1850	10510	2

TT NO.	Square drive	Teeth	Nm/ft-lb(in-lb)	Graduation	L(mm)	g	case/CTN
TW-262-1FW	1/4"	24T	2-10/22.1-84.1	0.1	281	590	24
TW-262-2FW			4-20/39.8-172.6	0.1	329	650	24
TW-262-4FW			10-50/99.6-431.5	0.25	329	650	24
TW-262-8FW			5-25/53.1-212.4	0.2	329	650	24
TW-362-1FW	3/8"	24T	4-20/39.8-172.6	0.1	329	650	24
TW-362-2FW		32T	20-100/16.6-71.9	0.5	436	1320	12
TW-362-3FW			10-60/9.2-42.4	0.5	337	760	24
TW-362-4FW			10-50/99.6-431.5	0.25	337	760	24
TW-362-8FW			5-25/53.1-212.4	0.2	329	650	24
TW-362-9FW		24T	2-10/22.1-84.1	0.1	281	590	24
TW-462-1FW	1/2"	32T	40-200/33.2-143.8	1.0	512	1580	12
TW-462-2FW			60-340/51.6-243.4	2.0	614	1800	12
TW-462-3FW			60-420/51.6-302.4	2.0	614	1800	12
TW-462-5FW			80-400/66.4-287.8	2.0	614	1800	12
TW-462-8FW			50-350/44.3-250.8	2.0	614	1800	12
TW-442-8FW			20-100/16.6-71.9	0.5	436	1310	12
TW-462-6FW			20-100/16.6-71.9	0.5	436	1310	12
TW-462-9FW			70-350/59-250.8	2.0	614	1800	12
TW-662-1FW	3/4"	24T	100-600/92-424	5.0	1050	5030	2
TW-662-2FW			150-800/129-572	5.0	1240	6110	2
TW-662-3FW			200-1000/166-719	5.0	1240	6110	2
TW-662-5FW		32T	80-400/66.4-287.8	2.0	614	1800	12
TW-642-5FW			80-400/66.4-287.8	2.0	614	1800	12
TW-862-1FW	1"	24T	150-800/129-572	5.0	1240	6230	2
TW-862-2FW			200-1000/166-719	5.0	1240	6110	2
TW-862-3FW			300-1500/258-1070	10	1850	10510	2

ADJUSTABLE TORQUE WRENCH

01 Round tube: Applied to both clockwise and counterclockwise directions.
Steel Tube: The steel with carburizing process for better strength and life cycle.
Electroplating Finished: Good for anti-corrosion and anti-abrasion.

02 Serial number: Each piece engraving serial number for traceability.

03 Single or dual scale laser marking.
Micrometer scale for more accurate torque value setting.

04 (a) Easy torque-adjusting design.
(b) Lock mechanism: Press locking ring to “unlock” the wrench for torque setting; release locking ring to “lock”

05 Handle: Ergonomic-shape, oil-resistant and non-slip rubber grip.

06 Poly end cap: Customized color is available.

INTERCHANGEABLE TORQUE WRENCH (62 Series)

Features

- Industrial application.
- Wide range of choice.
- Tolerance of torque ±3%.
- Easy torque-adjusting design.
- Quick release design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

TT NO.	mm	ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-712-1EW	9x12	20-100	1.0	263	555	24
TW-712-2EW		30-200	1.0	313	630	24
TWN-712-2EW		40-200	1.0	313	630	24
TW-712-6EW		100-500	2.5	313	630	24
TW-712-7EW		50-250	2.0	263	555	24
TW-713-2EW		10-80	0.5	403	1286	12
TWN-713-2EW		15-80	0.5	403	1286	12
TW-723-2EW	14x18	10-80	0.5	430	1286	12
TWN-723-2EW		15-80	0.5	430	1286	12
TW-724-1EW		20-150	1.0	484	1400	12
TW-724-2EW		30-250	1.0	585	1602	12
TWN-724-2EW		50-250	1.0	585	1602	12
TW-726-1EW		50-450	5.0	988	5600	2
TW-726-2EW		100-600	5.0	1178	5700	2
TW-728-2EW		150-750	5.0	1178	5700	2

SPECIFICATIONS

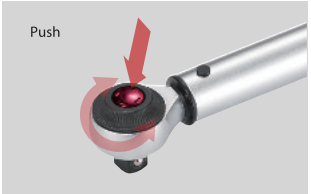
TT NO.	mm	Nm	Graduation	L(mm)	g	case/CTN
TW-712-1DW	9x12	2-10	0.1	263	555	24
TW-712-2DW		4-20	0.1	313	630	24
TW-712-3DW		10-60	0.5	313	630	24
TW-712-4DW		10-70	0.5	313	630	24
TW-712-8DW		5-25	0.2	263	555	24
TW-713-2DW		20-100	0.5	403	1286	12
TW-723-2DW	14x18	20-100	0.5	430	1286	12
TW-724-1DW		40-200	1.0	484	1400	12
TW-724-2DW		60-340	2.0	585	1602	12
TW-724-3DW		60-420	2.0	585	1602	12
TW-724-5DW		80-400	2.0	585	1602	12
TW-724-8DW		50-350	2.0	585	1602	12
TW-724-9DW		70-350	2.0	585	1602	12
TW-726-1DW		100-600	5.0	988	5600	2
TW-726-2DW		150-800	5.0	1178	5700	2
TW-728-2DW		200-1000	5.0	1178	5700	2

TT NO.	mm	Nm/ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-712-1FW	9x12	2-10/22.1-84.1	0.1	263	555	24
TW-712-2FW		4-20/39.8-172.6	0.1	313	630	24
TW-712-3FW		10-60/9.2-42.4	0.5	313	630	24
TW-712-4FW		10-50/99.6-431.5	0.25	313	630	24
TW-712-8FW		5-25/53.1-212.4	0.2	270	555	24
TW-713-2FW		20-100/16.6-71.9	0.5	403	1286	12
TW-723-2FW	14x18	20-100/16.6-71.9	0.5	430	1286	12
TW-724-1FW		40-200/33.2-143.8	1.0	484	1400	12
TW-724-2FW		60-340/51.6-243.4	2.0	585	1602	12
TW-724-3FW		60-420/51.6-302.4	2.0	585	1602	12
TW-724-5FW		80-400/66.4-287.8	2.0	585	1602	12
TW-724-8FW		50-350/44.3-250.8	2.0	585	1602	12
TW-724-9FW		70-350/59-250.8	2.0	585	1602	12
TW-726-1FW		100-600/92-424	5.0	988	5600	2
TW-726-2FW		150-800/129-572	5.0	1178	5700	2
TW-728-2FW		200-1000/166-719	5.0	1178	5700	2

REVERSIBLE TORQUE WRENCH (62 Series)

Features

- Reversible torque wrench.
- Robust 72 teeth ratchets.
- 5˚gear action.
- Easy torque-adjusting design brings the energy-saving benefit.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque ±3%.



TT NO.	Square drive	Teeth	ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-272-1EW	1/4"	72T	20-100	1.0	281	550	24
TW-272-2EW			30-200	1.0	322	640	24
TWN-272-2EW			40-200	1.0	322	640	24
TW-272-6EW			100-500	2.5	322	640	24
TW-272-7EW			50-250	2.0	281	550	24
TW-372-2EW	3/8"	72T	10-80	0.5	436	1350	12
TWN-372-2EW			15-80	0.5	436	1350	12
TW-472-1EW	1/2"	72T	20-150	1.0	490	1490	12
TW-472-2EW			30-250	1.0	590	1706	12

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-272-1DW	1/4"	72T	2-10	0.1	281	550	24
TW-272-2DW			4-20	0.1	322	650	24
TW-272-4DW			10-50	0.25	322	650	24
TW-272-8DW			5-25	0.2	281	550	24
TW-372-2DW	3/8"	72T	20-100	0.5	436	1350	12
TW-372-3DW			10-60	0.5	337	760	24
TW-372-4DW			10-50	0.25	337	760	24
TW-372-8DW			5-25	0.2	281	550	24
TW-472-1DW	1/2"	72T	40-200	1.0	490	1490	12
TW-472-2DW			60-340	2.0	590	1706	12
TW-472-3DW			60-420	2.0	590	1706	12
TW-472-5DW			80-400	2.0	590	1706	12
TW-472-8DW			50-350	2.0	590	1706	12

TT NO.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-272-1FW	1/4"	72T	2-10/22.1-84.1	0.1	281	550	24
TW-272-2FW			4-20/39.8-172.6	0.1	322	650	24
TW-272-4FW			10-50/99.6-431.5	0.25	322	650	24
TW-272-8FW			5-25/53.1-212.4	0.2	281	550	24
TW-372-2FW	3/8"	72T	20-100/16.6-71.9	0.5	436	1350	12
TW-372-3FW			10-60/9.2-42.4	0.5	337	760	24
TW-372-4FW			10-50/99.6-431.5	0.25	337	760	24
TW-372-8FW			5-25/53.1-212.4	0.2	281	550	24
TW-472-1FW	1/2"	72T	40-200/33.2-143.8	1.0	490	1490	12
TW-472-2FW			60-340/51.6-243.4	2.0	590	1706	12
TW-472-3FW			60-420/51.6-302.4	2.0	590	1706	12
TW-472-5FW			80-400/66.4-287.8	2.0	590	1706	12
TW-472-8FW			50-350/44.3-250.8	2.0	590	1706	12

FLEXIBLE TORQUE WRENCH (62 Series)

Features

- Tolerance of torque -- unflexed ±3%.
- Easy torque-adjusting design.
- Quick release design.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- CW/CCW directions.

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-392-2DW	3/8"	32T	20-100	0.5	464	1370	12

TT NO.	Square drive	Teeth	ft-lb	Graduation	L(mm)	g	case/CTN
TW-392-2EW	3/8"	32T	10-80	0.5	464	1370	12

TT NO.	Square drive	Teeth	Nm/ft-lb	Graduation	L(mm)	g	case/CTN
TW-392-2FW	3/8"	32T	20-100/16.6-71.9	0.5	464	1370	12

INTERCHANGEABLE TORQUE WRENCH SET 141008 (8PCS)

Features

- Industrial application.
- Tolerance of torque ±3%
- Easy torque-adjusting design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	mm	Nm		Ratchet insert tools(push type)	Open ended insert tools	Ring insert tools	g	case/CTN
14100821DW	9x12	TW-712-1DW	2-10	1/4"	10,13,17	10,13,17	1264	18
14100822DW		TW-712-2DW	4-20	1/4"	10,13,17	10,13,17	1372	18
14100823DW		TW-712-3DW	10-60	3/8"	10,13,17	10,13,17	1372	18
14100824DW		TW-712-4DW	10-70	3/8"	10,13,17	10,13,17	1372	18
14100828DW		TW-712-8DW	5-25	1/4"	10,13,17	10,13,17	1264	18

TT NO.	mm	in-lb		Ratchet insert tools(push type)	Open ended insert tools	Ring insert tools	g	case/CTN
14100821EW	9x12	TW-712-1EW	20-100	1/4"	10,13,17	10,13,17	1264	18
14100822EW		TW-712-2EW	30-200	1/4"	10,13,17	10,13,17	1372	18
14100826EW		TW-712-6EW	100-500	3/8"	10,13,17	10,13,17	1372	18
14100827EW		TW-712-7EW	50-250	1/4"	10,13,17	10,13,17	1264	18

TT NO.	mm	Nm/ft-lb(in-lb)		Ratchet insert tools(push type)	Open ended insert tools	Ring insert tools	g	case/CTN
14100821FW	9x12	TW-712-1FW	2-10/22.1-84.1	1/4"	10,13,17	10,13,17	1264	18
14100822FW		TW-712-2FW	4-20/39.8-172.6	1/4"	10,13,17	10,13,17	1372	18
14100823FW		TW-712-3FW	10-60/9.2-42.4	3/8"	10,13,17	10,13,17	1372	18
14100824FW		TW-712-4FW	10-50/99.6-431.5	3/8"	10,13,17	10,13,17	1372	18
14100828FW		TW-712-8FW	5-25/53.1-212.4	1/4"	10,13,17	10,13,17	1264	18

INTERCHANGEABLE TORQUE WRENCH SET 122011 (11PCS)

Features

- Industrial application.
- Tolerance of torque ±3%.
- Easy torque-adjusting design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

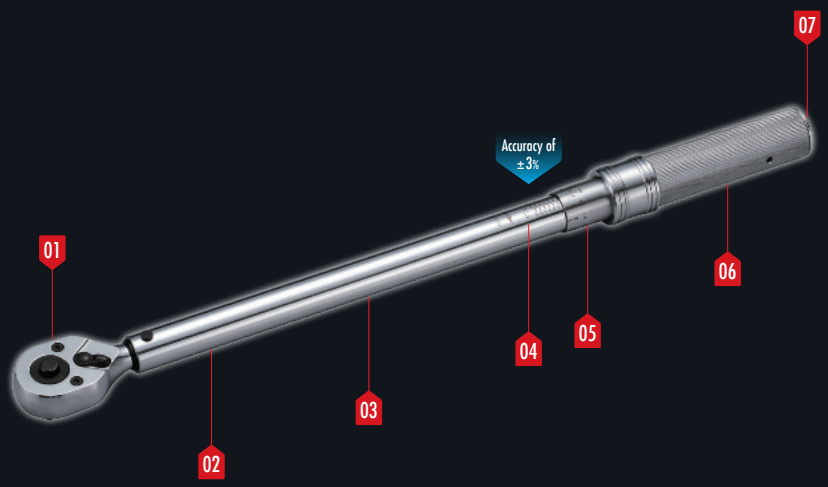
SPECIFICATIONS

TT NO.	mm	Nm		Ratchet insert tools(push type)	Open ended insert tools	g	case/CTN
12201132DW	14x18	TW-723-2DW	20-100	3/8"	13,14,15,17,19,22,24,27,30	3712	6
12201141DW		TW-724-1DW	40-200	1/2"	13,14,15,17,19,22,24,27,30	3825	6
12201142DW		TW-724-2DW	60-340	1/2"	13,14,15,17,19,22,24,27,30	4047	6
12201145DW		TW-724-5DW	80-400	1/2"	13,14,15,17,19,22,24,27,30	4047	6

TT NO.	mm	ft-lb		Ratchet insert tools(push type)	Open ended insert tools	g	case/CTN
12201132EW	14x18	TW-723-2EW	10-80	3/8"	13,14,15,17,19,22,24,27,30	3712	6
12201141EW		TW-724-1EW	20-150	1/2"	13,14,15,17,19,22,24,27,30	3825	6
12201142EW		TW-724-2EW	30-250	1/2"	13,14,15,17,19,22,24,27,30	4047	6

TT NO.	mm	Nm/ft-lb		Ratchet insert tools(push type)	Open ended insert tools	g	case/CTN
12201132FW	14x18	TW-723-2FW	20-100/16.6-71.9	3/8"	13,14,15,17,19,22,24,27,30	3712	6
12201141FW		TW-724-1FW	40-200/33.2-143.8	1/2"	13,14,15,17,19,22,24,27,30	3825	6
12201142FW		TW-724-2FW	60-340/51.6-243.4	1/2"	13,14,15,17,19,22,24,27,30	4047	6
12201145FW		TW-724-5FW	80-400/66.4-287.8	1/2"	13,14,15,17,19,22,24,27,30	4047	6

ADJUSTABLE TORQUE WRENCH



01 (a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
(b) D Drive: Chromium-molybdenum alloy steel brings better stability and reliability.
(c) Push button design for quick release function.
(d) Accuracy of torque +/-3%; quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Round tube design: Applied to both clockwise and counterclockwise directions.
Steel Tube: The steel with carburizing process for better strength and life cycle.
Electroplating Finished: Good for anti-corrosion and anti-abrasion.

03 Engraving seral no. for quality tracing purpose.

04 Single or dual scale laser marking.
Micrometer scale for more accurate torque value setting.

05 Lock mechanism:
(a) Easy torque-adjusting design.
(b) Adiustment System: Press locking ring to "unlock" the wrench for torque setting; release locking ring to "lock".

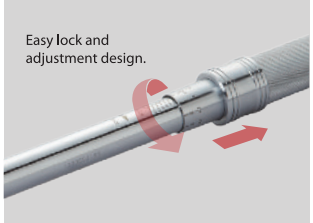
06 Handle: Non-slip knurled handle design; customized color handle is available.

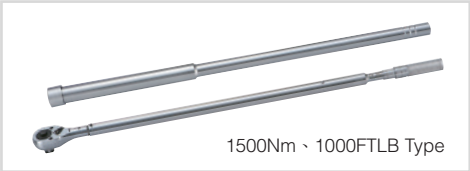
07 Aluminum poly end cap: Standard or customized color is available.

INDUSTRIAL TORQUE WRENCH (69 Series)

Features

- Industrial application.
- Non-slip knurled handle design.
- Wide range of choice.
- Tolerance of torque ±3%.
- Easy torque-adjusting design brings the energy-saving benefit.
- Quick release design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.





SPECIFICATIONS

TT NO.	Square drive	Teeth	ft-lb (in-lb)/Nm	Graduation	L(mm)	g	case/CTN
TW-269-1C	1/4"	64T	10-60/1.4-6.5	0.5	210	300	24
TW-269-2C			30-150/4-16.4	1	210	300	24
TW-269-3C			50-250/6.8-27.1	2	248	340	24
TW-369-13	3/8"	64T	10-60/1.4-6.5	0.5	210	300	24
TW-369-23			30-150/4-16.4	1	210	300	24
TW-369-33			50-250/6.8-27.1	2	248	340	24
TW-369-1C		32T	10-80/17-105.1	0.5	433	1020	12
TWN-369-1C			15-80/27.3-105.1	0.5	433	1020	12
TW-369-2C			20-100/33.9-128.8	1	433	1020	12
TW-469-8C	1/2"	32T	20-100/33.9-128.8	1	433	1020	12
TW-469-1C			20-150/34-197	1	530	1020	12
TW-469-2C			30-250/48-332	1	610	1650	12
TWN-469-2C			50-250/75-332	1	610	1650	12
TW-669-1C	3/4"	24T	50-450/102-576	5	1050	5300	2
TW-669-2C			100-600/169-779	5	1240	6400	2
TWN-669-2C			150-600/237-779	5	1240	6400	2
TW-669-3C			150~750/237~983	5	1240	6400	2
TW-869-1C	1"	24T	100-600/169-779	5	1240	6400	2
TW-869-2C			150-750/237-983	5	1240	6400	2
TW-869-3C			200-1000/305-1322	5	1850	10600	2

TT NO.	Square drive	Teeth	Nm/ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-269-1F	1/4"	64T	1-6/11.1-50.9	0.05	210	300	24
TW-269-2F			3-15/31-128	0.1	210	300	24
TW-269-3F			5-25/53-212	0.2	248	340	24
TW-369-16	3/8"	64T	1-6/11.1-50.9	0.05	210	300	24
TW-369-26			3-15/31-128	0.1	210	300	24
TW-369-36			5-25/53-212	0.2	248	340	24
TW-369-1F		32T	10-60/9.2-42.4	0.5	370	840	12
TW-369-2F			20-100/16.6-71.9	0.5	433	1020	12
TW-469-8F	1/2"	32T	20-100/16.6-71.9	0.5	433	1020	12
TW-469-1F			40-200/33-144	1	530	1650	12
TW-469-2F			60-340/52-243	2	610	1800	12
TW-469-3F			50-350/44-251	2	610	1800	12
TW-469-4F			80-400/66-288	2	610	1800	12
TW-469-5F			60-420/52-302	2	610	1800	12
TW-669-1F	3/4"	24T	100-600/92-424	5	1050	5300	2
TW-669-2F			150-800/129-572	5	1240	6400	2
TW-669-3F			200-1000/166-719	5	1240	6400	2
TW-869-1F	1"	24T	150-800/129-572	5	1240	6400	2
TW-869-2F			200-1000/166-719	5	1240	6400	2
TW-869-3F			300-1500/258-1070	10	1850	10600	2

ADJUSTABLE TORQUE WRENCH

01 Round head:
A highly robust mechanism with inner 4 pawls mechanism design to bear large output value, without plate and screws to avoid loosing while operation. Push-through square drive.

02 Reliable mechanism:
The robust and resistant fully chromed steel tube is ideal of industrial use. An audible and palpable signal indicates automatically when the desire torque value is achieved.

03 Serial number:
Each piece engraving serial number for traceability.

04 Scales:
Easy read laser scales is available for multi units and double scales for different market need.

05 Micrometer scales:
Very precise adjustment by visible micrometer laser scales on handle ensure optimal and simplified readings while operation.The micrometer scales for precision adjustment is in integral values, for user easily take round figures while operation.

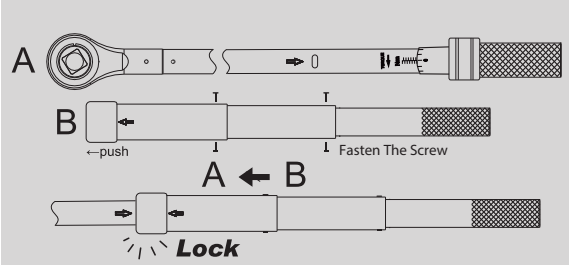
06 Lock ring:
Easy torque adjustment by press down the Lock-ring, brings energy saving and automatically lock device to avoid accidentally altering setting.

07 Extension bar:
It is necessary to connect 3 extension bars while operation. The easy lock design, to insert extension bar until locking position.

INDUSTRIAL TORQUE WRENCH

Features

- Industrial application.
- Wide range of choice.
- Tolerance of torque ±3%.
- Easy torque-adjusting design brings the energy-saving benefit.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



2000Nm、1500FTLB Type

SPECIFICATIONS

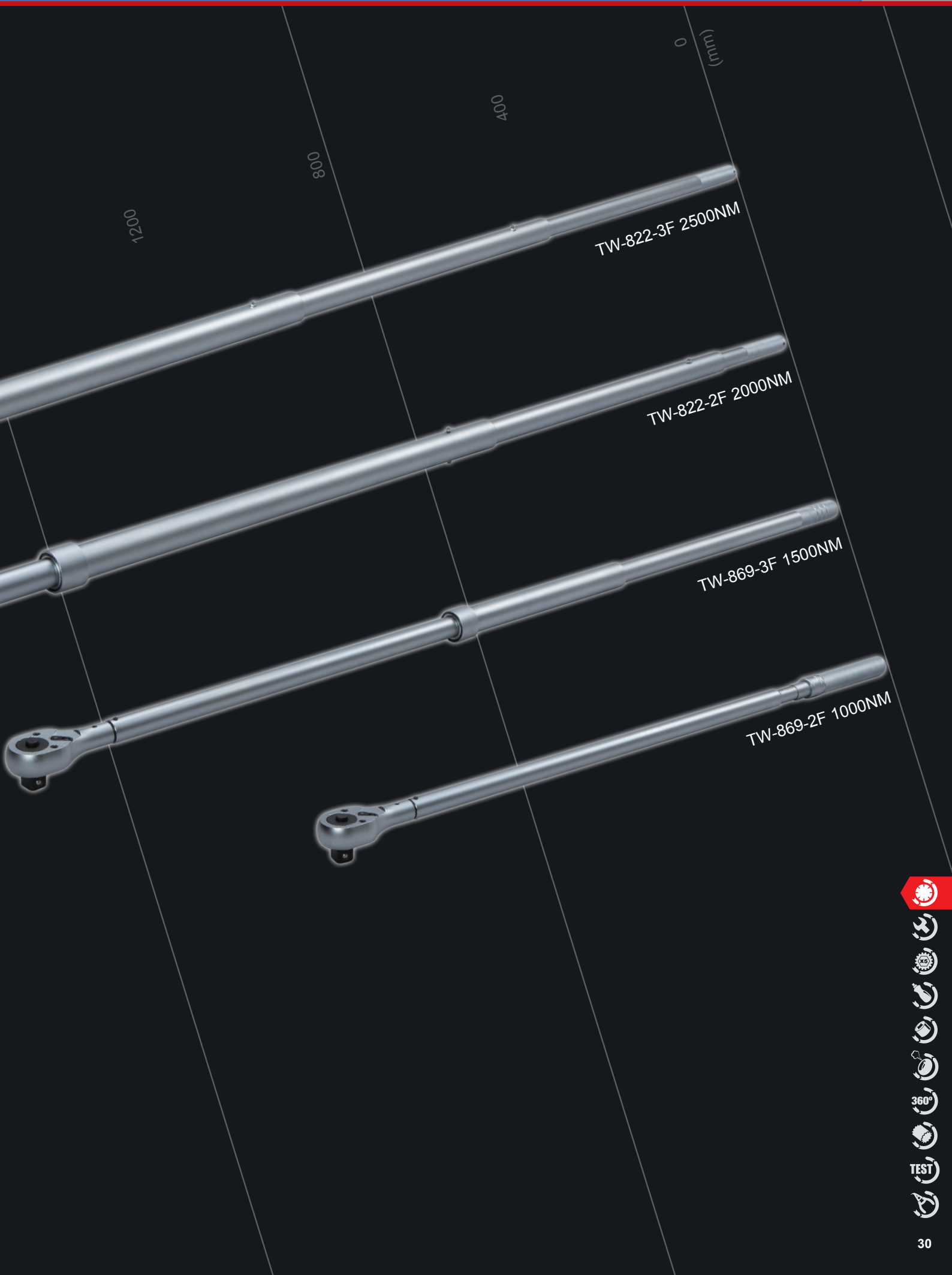
TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-822-2D	1"	36T	400-2000	20	2300	18300	1
TW-822-3D			500-2500	20	2755	19600	1

TT NO.	Square drive	Teeth	ft-lb	Graduation	L(mm)	g	case/CTN
TW-822-2E	1"	36T	300-1500	10	2300	18300	1
TW-822-3E			400-2000	10	2755	19600	1

TT NO.	Square drive	Teeth	Nm/ft-lb	Graduation	L(mm)	g	case/CTN
TW-822-2F	1"	36T	400-2000/369-1402	20	2300	18300	1
TW-822-3F			500-2500/443-1771	20	2755	19600	1

TT NO.	Square drive	Teeth	ft-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-822-2C	1"	36T	300-1500/475-1966	10	2300	18300	1
TW-822-3C			400-2000/610-2644	10	2755	19600	1

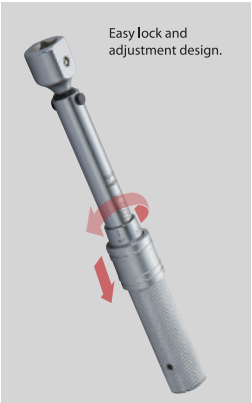
3200
2800
2400
2000
1600
TEST
360°

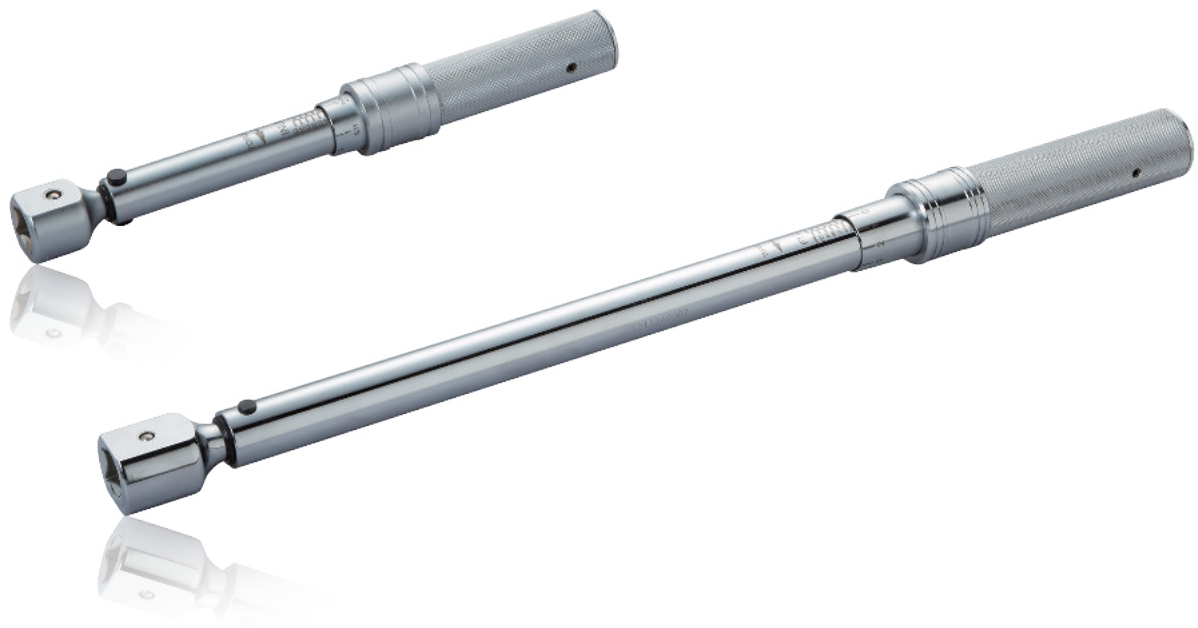

0
(mm)
400
800
1200
TW-822-3F 2500NM
TW-822-2F 2000NM
TW-869-3F 1500NM
TW-869-2F 1000NM

INTERCHANGEABLE TORQUE WRENCH (69 Series)

Features

- Using standard insert tool (9x12,14x18 rectangular cavity)
- Industrial application.
- Positive button design which removes the insert head easily.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque ±3%.





SPECIFICATIONS

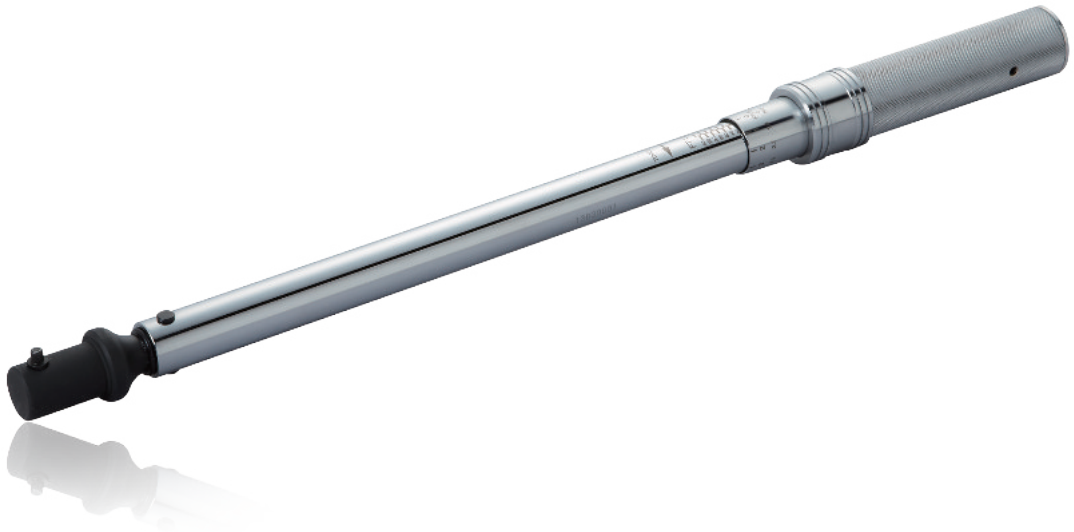
TT NO.	mm	ft-lb(in-lb)/Nm	Graduation	L(mm)	g	case/CTN
TW-916-1C	9x12	10-60/1.4-6.5	0.5	197	290	24
TW-916-2C		30-150/4-16.4	1	197	290	24
TW-916-3C		50-250/6.8-27.1	2	227	330	24
TW-913-1C		10-80/17-105.1	0.5	403	860	12
TW-913-2C		20-100/33.9-128.8	1	403	860	12
TW-923-1C	14x18	10-80/17-105.1	0.5	425	990	12
TW-923-2C		20-100/33.9-128.8	1	425	990	12
TW-924-1C		20-150/34-197	1	503	1470	12
TW-924-2C		30-250/48-332	1	583	1620	12

TT NO.	mm	Nm/ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-916-1F	9x12	1-6/11.1-50.9	0.05	197	290	24
TW-916-2F		3-15/31-128	0.1	197	290	24
TW-916-3F		5-25/53-212	0.2	227	330	24
TW-913-1F		10-60/9.2-42.4	0.5	340	790	12
TW-913-2F		20-100/16.6-71.9	0.5	403	860	12
TW-923-1F	14x18	10-60/9.2-42.4	0.5	362	820	12
TW-923-2F		20-100/16.6-71.9	0.5	425	990	12
TW-924-1F		40-200/33-144	1	503	1470	12
TW-924-2F		60-340/52-243	2	583	1620	12
TW-924-3F		50-350/44-251	2	583	1620	12
TW-924-4F		80-400/66-288	2	583	1620	12
TW-924-5F		60-420/52-302	2	583	1620	12

INTERCHANGEABLE TORQUE WRENCH (69 Series)

Features

- Using standard insert tool (Ø16mm & Ø22mm spigot end).
- Industrial application.
- Positive button design which removes the insert head easily.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque ±3%.



SPECIFICATIONS

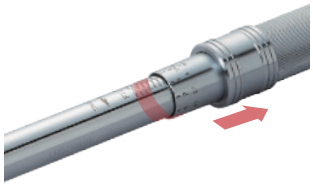
TT NO.	ø(mm)	ft-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-953-1C	ø16mm	10-80/17-105.1	0.5	422	940	12
TW-953-2C		20-100/33.9-128.8	1	422	940	12
TW-964-1C	ø22mm	20-150/34-197	1	513	1520	12
TW-964-2C		30-250/48-332	1	592	1670	12

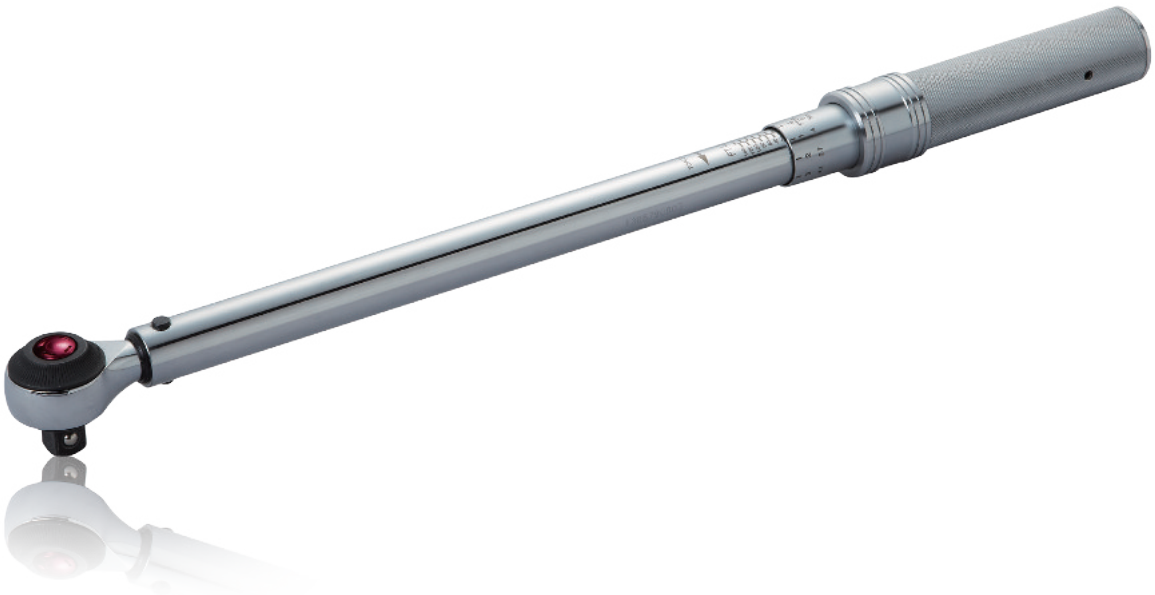
TT NO.	ø(mm)	Nm/ft-lb	Graduation	L(mm)	g	case/CTN
TW-953-1F	ø16mm	10-60/9.2-42.4	0.5	359	870	12
TW-953-2F		20-100/16.6-71.9	0.5	422	940	12
TW-964-1F	ø22mm	40-200/33-144	1	512	1520	12
TW-964-2F		60-340/52-243	2	592	1670	12
TW-964-3F		50-350/44-251	2	592	1670	12
TW-964-4F		80-400/66-288	2	592	1670	12
TW-964-5F		60-420/52-302	2	592	1670	12

REVERSIBLE TORQUE WRENCH (69 Series)

Features

- Reversible torque wrench.
- Robust 72 teeth ratchets.
- 5˚gear action.
- Easy torque-adjusting desian brings the energy-saving benefit.
- Fixed head version allows to use in narrow spaces.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque ±3%.





SPECIFICATIONS

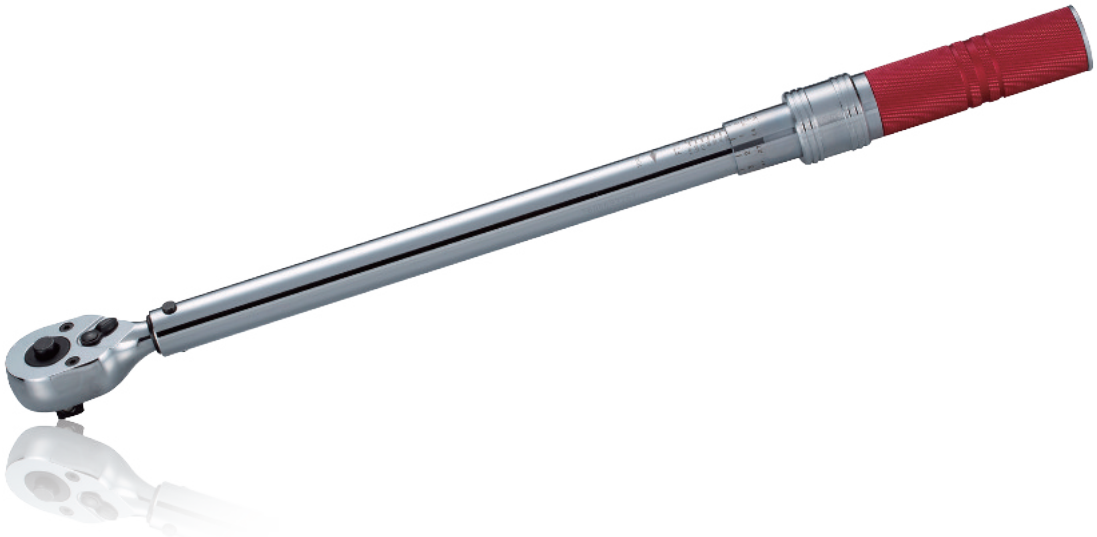
TT NO.	Square drive	ft-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-379-1C	3/8"	10-80/17-105.1	0.5	432	1070	12
TW-379-2C		20-100/33.9-128.8	1	432	1070	12
TW-479-1C	1/2"	20-150/34-197	1	509	1560	12
TW-479-2C		30-250/48-332	1	589	1710	12

TT NO.	Square drive	Nm/ft-lb	Graduation	L(mm)	g	case/CTN
TW-379-1F	3/8"	10-60/9.2-42.4	0.5	369	890	12
TW-379-2F		20-100/16.6-71.9	0.5	432	1070	12
TW-479-1F	1/2"	40-200/33-144	1	509	1560	12
TW-479-2F		60-340/52-243	2	589	1710	12
TW-479-3F		50-350/44-251	2	589	1710	12
TW-479-4F		80-400/66-288	2	589	1710	12
TW-479-5F		60-420/52-302	2	589	1710	12

INDUSTRIAL TORQUE WRENCH (69 Series W / anodic handle)

Features

- Industrial application.
- Non-slip with anodic aluminum knurled handle design.
- Wide range of choice.
- Tolerance of torque ±3%.
- Easy torque-adjusting design brings the energy-saving benefit.
- Quick release design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



SPECIFICATIONS

TT NO.	Square drive	Teeth	ft-lb(in-lb)/Nm	Graduation	L(mm)	g	case/CTN
64269-1C	1/4"	64T	10-60/1.4-6.5	0.5	210	300	24
64269-2C			30-150/4-16.4	1	210	300	24
64269-3C			50-250/6.8-27.1	2	248	340	24
64369-13	3/8"	64T	10-60/1.4-6.5	0.5	210	300	24
64369-23			30-150/4-16.4	1	210	300	24
64369-33			50-250/6.8-27.1	2	248	340	24
64369-1C		32T	10-80/17-105.1	0.5	433	1020	12
64369-2C			20-100/33.9-128.8	1	433	1020	12
64469-8C	1/2"	32T	20-100/33.9-128.8	1	433	1020	12
64469-1C			20-150/34-197	1	530	1020	12
64469-2C			30-250/48-332	1	610	1650	12
64669-1C	3/4"	24T	50-450/102-576	5	1050	1800	2
64669-2C			100-600/169-779	5	1240	5300	2
64669-3C			150-750/237-983	5	1240	6400	2
64869-1C	1"	24T	100-600/169-779	5	1240	6400	2
64869-2C			150-750/237-983	5	1240	6400	2

TT NO.	Square drive	Teeth	Nm/ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
64269-1F	1/4"	64T	1-6/11.1-50.9	0.05	210	300	24
64269-2F			3-15/31-128	0.1	210	300	24
64269-3F			5-25/53-212	0.2	248	340	24
64369-16	3/8"	64T	1-6/11.1-50.9	0.05	210	300	24
64369-26			3-15/31-128	0.1	210	300	24
64369-36			5-25/53-212	0.2	248	340	24
64369-1F		32T	10-60/9.2-42.4	0.5	370	840	12
64369-2F			20-100/16.6-71.9	0.5	433	1020	12
64469-8F	1/2"	32T	20-100/16.6-71.9	0.5	433	1020	12
64469-1F			40-200/33-144	1	530	1650	12
64469-2F			60-340/52-243	2	610	1800	12
64469-3F			50-350/44-251	2	610	1800	12
64469-4F			80-400/66-288	2	610	1800	12
64469-5F			60-420/52-302	2	610	1800	12
64669-1F	3/4"	24T	100-600/92-424	5	1050	5300	2
64669-2F			150-800/129-572	5	1240	6400	2
64669-3F			200-1000/166-719	5	1240	6400	2
64869-1F	1"	24T	150-800/129-572	5	1240	6400	2
64869-2F			200-1000/166-719	5	1240	6400	2

MINI TORQUE WRENCH

Features

- Industrial application.
- Tolerance of torque ±3%.
- Quick release design.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

TT NO.	Square drive	Teeth	in-lb	Graduation	L(mm)	g	case/CTN
TW-266-1E	1/4"	64T	30-150	1.0	210	288	24
TW-266-2E			50-250	2.0	248	325	24
TW-266-4E			10-50	0.5	210	288	24
TW-266-6E			10-60	0.5	210	288	24
TW-366-1E	3/8"	64T	30-150	1.0	210	288	24
TW-366-2E			50-250	2.0	248	325	24
TW-366-4E			10-50	0.5	210	288	24
TW-366-6E			10-60	0.5	210	288	24

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-266-1D	1/4"	64T	3-15	0.1	210	288	24
TW-266-2D			5-25	0.2	248	325	24
TW-266-6D			1-6	0.05	210	288	24
TW-366-1D	3/8"	64T	3-15	0.1	210	288	24
TW-366-2D			5-25	0.2	248	325	24
TW-366-6D			1-6	0.05	210	288	24

TT NO.	Square drive	Teeth	Nm/in-lb	Graduation	L(mm)	g	case/CTN
TW-266-1F	1/4"	64T	3-15/31-128	0.1	210	288	24
TW-266-2F			5-25/53-212	0.2	248	325	24
TW-266-6F			1-6 /11.1-50.9	0.05	210	288	24
TW-366-1F	3/8"	64T	3-15/31-128	0.1	210	288	24
TW-366-2F			5-25/53-212	0.2	248	325	24
TW-366-6F			1-6 /11.1-50.9	0.05	210	288	24

MINI INTERCHANGEABLE TORQUE WRENCH

Features

- Using standard insert tools (9x12 rectangular cavity).
- Industrial application.
- Positive button design which removes the insert head easily.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

TT NO.	mm	in-lb	Graduation	L(mm)	g	case/CTN
TW-716-1E	9x12	30-150	1	197	257	24
TW-716-2E		50-250	2	227	297	24
TW-716-4E		10-50	0.5	197	257	24
TW-716-6E		10-60	0.5	197	257	24

SPECIFICATIONS

TT NO.	mm	Nm	Graduation	L(mm)	g	case/CTN
TW-716-1D	9x12	3-15	0.1	197	257	24
TW-716-2D		5-25	0.2	227	297	24
TW-716-6D		1-6	0.05	197	257	24

TT NO.	mm	Nm/in-lb	Graduation	L(mm)	g	case/CTN
TW-716-1F	9x12	3-15/31-128	0.1	197	257	24
TW-716-2F		5-25/53-212	0.2	227	297	24
TW-716-6F		1-6/11.1-50.9	0.05	197	257	24

MINI TORQUE WRENCH SET

Features

- Industrial application.
- Tolerance of torque ±3%.
- Easy torque-adjusting design brings the energy-saving benefit.
- Quick release design.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

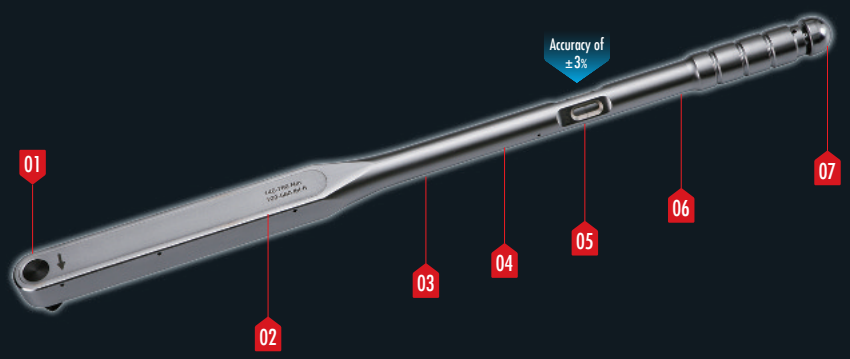
SPECIFICATIONS

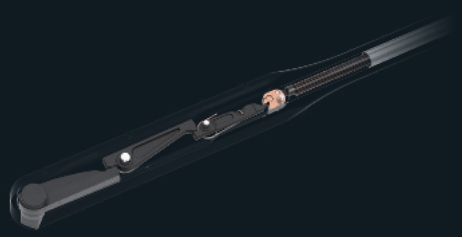
TT NO.	Square drive	Teeth	Nm		Bit	g	case/CTN
55600821DW	1/4"	64T	TW-266-1DW	3-15	H3,4,5,6,8,10,T25	587	24
55600822DW			TW-266-2DW	5-25	H3,4,5,6,8,10,T25	621	24
55600826DW			TW-266-6DW	1-6	H3,4,5,6,8,10,T25	587	24

TT NO.	Square drive	Teeth	in-lb		Bit	g	case/CTN
55600821EW	1/4"	64T	TW-266-1EW	30-150	H3,4,5,6,8,10,T25	587	24
55600822EW			TW-266-2EW	50-250	H3,4,5,6,8,10,T25	621	24
55600826EW			TW-266-6EW	10-60	H3,4,5,6,8,10,T25	587	24

TT NO.	Square drive	Teeth	Nm/in-lb		Bit	g	case/CTN
55600821FW	1/4"	64T	TW-266-1FW	3-15/31-128	H3,4,5,6,8,10,T25	587	24
55600822FW			TW-266-2FW	5-25/53-212	H3,4,5,6,8,10,T25	621	24
55600826FW			TW266-6FW	1-6/11.1-50.9	H3,4,5,6,8,10,T25	587	24

ADJUSTABLE TORQUE WRENCH





01 Output Square Drive:
Chromium - molybdenum alloy steel brings better strength, toughness, stability and life cycle.

02 Mechanism:
Integrated 3-lever chain mechanism brings length independence, greater sensitivity, high accuracy and a long-life cycle.

03 Main body:
Use the high intensity aluminum alloy.
The weight of aluminum is extremely lighter than steel, good for long-time operation and heavy industry.
Chrome-plating finish strengthens the material hardness & anti-collision.

04 Loud click sound and strong impulse when required torque reached.

05 Dual-scale window of torque measurement (Nm & Ft-lbs)

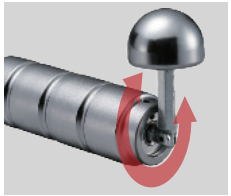
06 Engraving serial no. for quality tracing purpose.

07 Nice-to-hold handgrip enables safe work and less operator fatigue.
Energy saving torque-design: quick pull out and easy adjustment with unique crank.
Suitable for heavy, aerospace, wind power and automation industries.

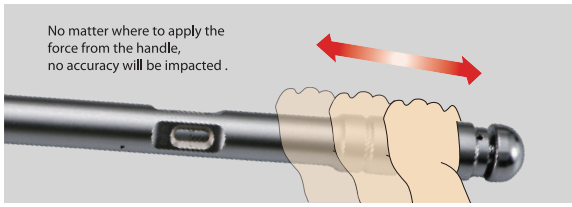
ALUMINUM TORQUE WRENCH (Single-drive)

Features

- Industrial application with durability.
- Single drive design for applying to clockwise direction; both push & no-push are available for selection.
- Lightweight yet robust; housing is made of aluminium alloy.
- Multi-lever mechanism brings length independence and accurate torque.
- Loud click sound and strong impulse when torque value reached.
- Chrome-plating finish strengthens the material hardness & anti-collision.
- Quick pull out & easy adjustment with unique crank.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



Easy lock and adjustment design.



1500Nm Type

2000Nm Type

3000Nm Type

SPECIFICATIONS

TT NO.	TYPE	Square drive	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-417-1F	NO PUSH	1/2"	20-120	15-90	5	1240	475	12
TW-417-2F			40-200	30-150	5	1500	563	12
TW-417-3F			50-300	35-220	5	1650	625	12
TW-617-2F	NO PUSH	3/4"	110-550	80-400	10	3000	827	2
TW-617-3F			140-760	100-560	10	3000	827	2
TW-617-4F			200-1000	140-740	10	3800	1413	2

TT NO.	TYPE	Square drive	Nm	Graduation	g	L(mm)	case/CTN
TW-817-1D	NO PUSH	1"	600-1500	25	10900	1615	1
TW-817-2D			750-2000	50	11700	2370	1
TW-917-2D	NO PUSH	1-1/2"	1500-3000	50	16400	2820	1

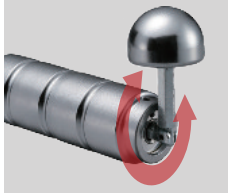
TT NO.	TYPE	Square drive	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-437-1F	PUSH	1/2"	20-120	15-90	5	1240	475	12
TW-437-2F			40-200	30-150	5	1500	563	12
TW-437-3F			50-300	35-220	5	1560	625	12
TW-637-2F	PUSH	3/4"	110-550	80-400	10	3000	827	2
TW-637-3F			140-760	100-560	10	3000	827	2
TW-637-4F			200-1000	140-740	10	3800	1413	2

TT NO.	TYPE	Square drive	Nm	Graduation	g	L(mm)	case/CTN
TW-837-1D	PUSH	1"	600-1500	25	10900	1615	1
TW-837-2D			750-2000	50	11700	2370	1

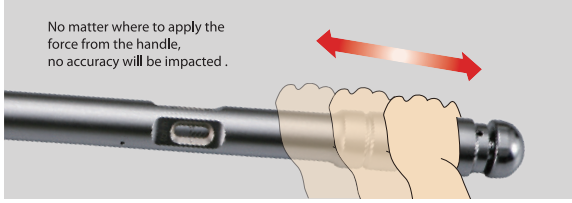
ALUMINUM TORQUE WRENCH (DUAL-DRIVES)

Features

- Industrial application with durability.
- Dual drives design for applying to both clockwise and counterclockwise directions.
- Lightweight yet robust; housing is made of aluminium alloy.
- Multi-lever mechanism brings length independence and accurate torque.
- Loud click sound and strong impulse when torque value reached.
- Chrome-plating finish strengthens the material hardness & anti-collision.
- Quick pull out & easy adjustment with unique crank.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



Easy lock and adjustment design.



Dual-drives

1000Nm Type

1500Nm Type

2000Nm Type

SPECIFICATIONS

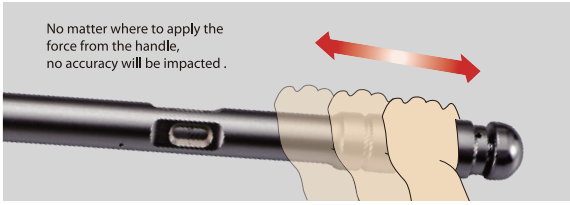
TT NO.	Square drive	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-427-1F	1/2"	20-120	15-90	5	1240	475	12
TW-427-2F		40-200	30-150	5	1500	563	12
TW-427-3F		50-300	35-220	5	1650	625	12
TW-627-2F	3/4"	110-550	80-400	10	3000	827	2
TW-627-3F		140-760	100-560	10	3000	827	2
TW-627-4F		200-1000	140-740	10	3800	1413	2

TT NO.	Square drive	Nm	Graduation	g	L(mm)	case/CTN
TW-827-1D	1"	600-1500	25	10900	1615	1
TW-827-2D		750-2000	50	11700	2370	1

INTERCHANGEABLE ALUMINUM TORQUE WRENCH

Features

- Industrial application with durability.
- Applying to standard insert tools (Ø16mm & Ø22mm spigot end).
- Positive button design which enable to remove the insert head easily.
- Lightweight yet robust; housing is made of aluminium alloy.
- Multi-lever mechanism brings length independence and accurate torque.
- Loud click sound and strong impulse when torque value reached.
- Chrome-plating finish strengthens the material hardness & anti-collision.
- Quick pull out & easy adjustment with unique crank.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



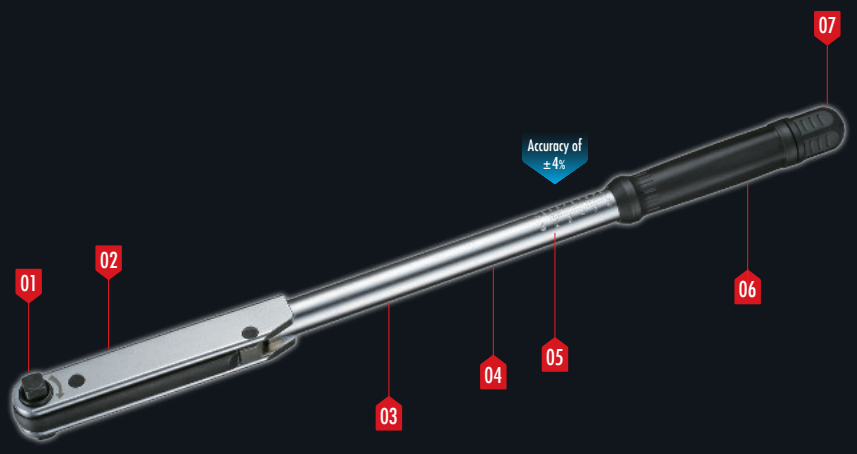
SPECIFICATIONS

TT NO.	Ø(mm)	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-654-2F	Ø16mm	80-400	60-300	5	1550	650	12
TW-666-3F	Ø22mm	140-620	100-450	10	2900	860	12

3200
2800
2400
2000
1600

0
(mm)
400
800
1200
TW-917-2D 3000Nm
TW-817-2D 2000Nm
TW-817-1D 1500Nm
TW-617-4F 1000Nm

ADJUSTABLE TORQUE WRENCH



01 Push through drive:
(a) Chromium-molybdenum alloy steel brings better stability and reliability.
(b) Good for both CW/CCW directions.
(c) Accuracy of torque +/-4%, quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Head:
Chromium- vanadium alloy steel brings better strength and life cycle.

03 Steel tube:The steel with carburizing process for better strength and life cycle.
Electroplating finished: Good for anti-corrosion and anti-abrasion.
A laser marked arrow pointed to CW direction can avoid improper use.
Cantilever mechanism:
*Loud click sound and strong impulse when required torque reached.
*It brings length independence, greater sensitivity and life cycle.

04 Engraving serial no. for quality tracing purpose.

05 Four-Scales of measurement (Nm,kgf.m,lbf.in,lbf.ft)

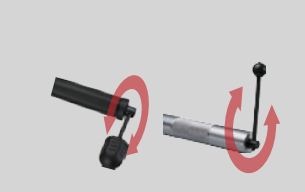
06 Grip: With impact-resistant plastic ABS.

07 Adjustment system:
Pull out the rocker-arm, turn to 90˚ and stress clockwise for adjusting the torque.

CLASSIC TORQUE WRENCH

Features

- Industrial application with durability.
- Tolerance of torque ±4%.
- Four torque units for easy scale reading.
- Push through drive for easy repair.
- Loud click sound when required torque is reached.
- The lever mechanism brings length independent and accurate torque.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



SPECIFICATIONS

TT NO.	Square drive	Nm	kgf.m	lbf.in	lbf.ft	Graduation	g	L(mm)	case/ CTN
TW-224-1S	1/4"	2.5-11	0.3-1.2	20-100	2-8	0.5	630	351	24
TW-224-2S		5-33	0.5-3.4	40-300	4-24	1	720	451	12
TW-324-1S	3/8"	2.5-11	0.3-1.2	20-100	2-8	0.5	630	351	24
TW-324-2S		5-33	0.5-3.4	40-300	4-24	1	720	451	12
TWN-324-2S		7-33	0.7-3.4	60-300	5-24	1	720	451	12
TW-324-3S		12-68	1.2-7	100-600	10-50	2	1050	506	12
TWN-324-3S		14-68	1.4-7	125-600	10-50	2	1050	506	12

TT NO.	Square drive	Nm	kgf.m	lbf.in	lbf.ft	Graduation	g	L(mm)	case/ CTN
TW-424-1S	1/2"	12-68	1.2-7	100-600	10-50	2	1050	506	12
TWN-424-1S		14-68	1.4-7	125-600	10-50	2	1050	506	12
TW-424-2S		25-135	3-14	200-1200	20-100	5	1600	553	12
TW-424-3S		50-225	5-23	400-2000	40-160	5	2300	597	12
TW-424-4S		70-330	7-35	600-3000	50-250	10	2600	800	6
TW-624-1S	3/4"	140-560	14-57	1200-5000	100-410	10	7410	995	2
TW-624-2S		200-800	22-82	1800-7200	140-600	20	7580	1049	2
TW-824-2S	1"	200-1000	22-100	1800-8850	140-740	20	12800	1362	1

ADJUSTABLE TORQUE WRENCH

01 (a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
(b) D Drive: Chromium-molybdenum alloy steel brings better stability and reliability.
(c) Quick release button function.
(d) Accuracy of torque +/-3%; quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Steel tube: The steel with carburizing process for better strength and life cycle.
Electroplating finished: Good for anti-corrosion and anti-abrasion.
Thin head & flat tube is suitable for narrow working environment.
A laser marked arrow pointed to CW direction can avoid improper use.
Loud click sound and strong impulse when required torque reached.
Side hole is designed for easy calibration and maintenance.

03 Engraving serial no. for quality tracing purpose.

04 Dual scale window: Easy readable for two different units.

05 Micrometer scale for more accurate torque value setting.

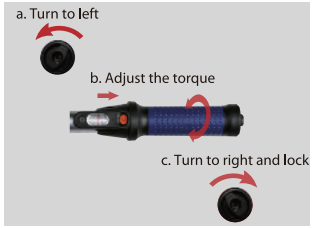
06 Ergonomic-shape and non-slip NBR grip.

07 Turn switch CCW direction to "UNLOCK" the wrench for torque setting; turn switch CW direction to "LOCK".

ROBUST TORQUE WRENCH

Features

- Adjustable torque wrench with square drive for controlled tightening.
- Easily readable dual scale N-m and Ft-lb below a window.
- Additional micrometer scale for setting interim value.
- Loud click sound and strong impulse when required torque is reached.
- Ergonomically shaped and convenient plastic handle grip.
- Locking button enables reliable locking of the torque setting.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 6789 & ASME B107. 300-2010.



600Nm Type

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	lbf.ft	Graduation	g	L(mm)	case/ CTN
TW-225-2F	1/4"	24T	2-25	1.5-18	0.1	410	296	24
TWN-225-2F			5-25	3.6-18	0.1	410	296	24
TW-325-2F	3/8"	24T	5-50	3.5-37	0.25	470	333	12
TWN-325-2F		24T	10-50	7.4-37	0.25	470	333	12
TW-325-3F		32T	10-100	8-75	0.5	820	400	12
TW-425-1F	1/2"	32T	10-100	8-75	0.5	820	400	12
TWN-425-1F			20-100	15-75	0.5	820	400	12
TW-425-2F			20-200	10-150	1	1300	500	12
TWN-425-2F			40-200	30-150	1	1300	500	12
TW-425-3F			60-300	45-220	1	1470	635	12
TW-625-1F	3/4"	24T	100-600	75-440	2	4560	1040	2
TW-625-2F			150-800	110-590	5	5192	1161	2
TW-625-3F			200-1000	150-740	5	5192	1161	2

ADJUSTABLE TORQUE WRENCH

01 Ratchet head:
A robust ratchet mechanism with 72 teeth gears for bi-directions application. Quick released design for changing socket quickly. Repair kit for inner spare parts of ratchet head is available.

02 Reliable mechanism:
The robust and resistant fully chromed steel tube is ideal of industrial use. The smaller round head is suitable for narrow working environment.

03 Serial number:
Each piece engraving serial no. for traceability.

04 Window display:
Dual scale N-m and Ft-lb below the window.

05 Micrometer scale:
Additional micrometer scale for setting accurate value.

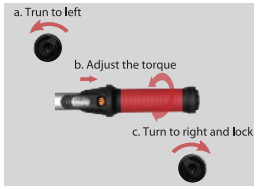
06 NBR grip handle:
Ergonomic shape with non-slip and comfortable grip.

07 Adjustment system:
Locking button enables reliable locking of the torque setting.
Turn switch CCW direction to "UNLOCK" the wrench for torque setting; turn switch CW direction to "LOCK".

REVERSIBLE ROBUST TORQUE WRENCH

Features

- Reversible torque wrench for bi-directional tightening.
- Robust 72 teeth ratchets with 5° gear action.
- Fixed head version allows to use in narrow spaces.
- Easily readable dual scale N-m and Ft-lb below the window.
- Additional micrometer scale for setting interim value.
- Ergonomically shaped and convenient plastic handle grip.
- Locking button enables reliable locking of the torque setting.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque ±3%.



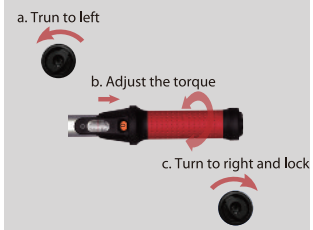
SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	lbf.ft	Graduation	g	L(mm)	case/ CTN
TW-277-2F	1/4"	72T	2-25	1.5-18	0.1	500	298	24
TW-277-3F			5-25	3.6-18	0.1	500	298	24
TW-377-2F	3/8"	72T	5-50	3.5-37	0.25	555	363	24
TW-377-3F			10-50	7.4-37	0.25	555	363	24
TW-477-1F	1/2"	72T	10-100	8-75	0.5	1110	445	12
TW-477-2F			20-200	10-150	1	1280	513	12
TW-477-3F			60-300	45-220	1	1450	605	12
TW-477-4F			20-100	15-75	0.5	1110	445	12
TW-477-5F			40-200	30-150	1	1280	513	12
TW-677-1F	3/4"	72T	100-600	75-440	2	4650	1040	2
TW-677-2F			150-800	110-590	2	5450	1235	2
TW-677-3F			200-1000	150-740	2	5450	1235	2

INTERCHANGEABLE ROBUST TORQUE WRENCH

Features

- Use with standard insert tools (9x12 & 14x18 rectangular cavity).
- Quick release button design for easy insert head removal.
- Easily readable dual scale N-m and Ft-lb below the window.
- Additional micrometer scale for setting interim value.
- Ergonomically shaped and convenient plastic handle grip.
- Locking button enables reliable locking of the torque setting.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107. 300-2010.
- Tolerance of torque ±3%.



SPECIFICATIONS

TT NO.	mm	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-612-2F	9x12	2-25	1.5-18	0.1	440	290	24
TW-612-3F		5-25	3.5-18	0.1	440	290	24
TW-613-2F		5-50	3.5-37	0.25	530	340	24
TW-613-3F		10-50	8-37	0.25	530	340	24
TW-614-1F		10-100	8-75	0.5	1030	410	12
TW-614-4F		20-100	10-75	0.5	1030	410	12

TT NO.	mm	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-624-1F	14x18	10-100	8-75	0.5	1050	440	12
TW-624-2F		20-200	10-150	1	1230	510	12
TW-624-3F		60-300	45-220	1	1400	597	12

INTERCHANGEABLE ROBUST TORQUE WRENCH

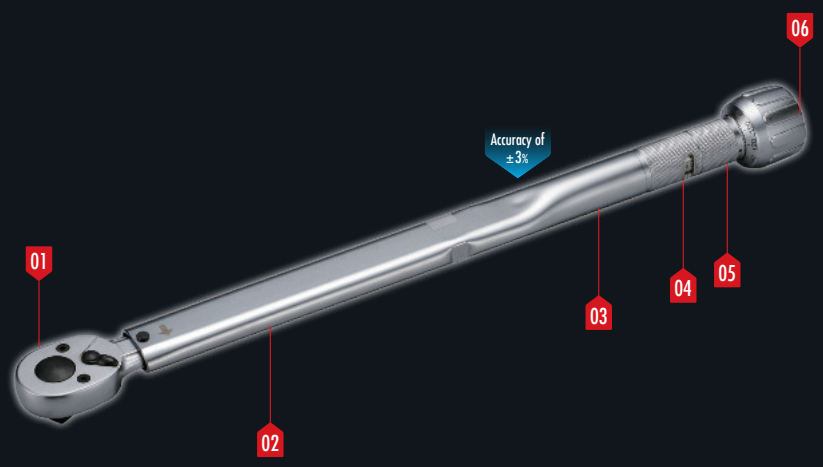
Features

- Use with standard insert tools (Ø16mm spigot end).
- Quick release button design for easy insert head removal.
- Easily readable dual scale N-m and Ft-lb below the window.
- Additional micrometer scale for setting interim value.
- Ergonomically shaped and convenient plastic handle grip.
- Locking button enables reliable locking of the torque setting.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107. 300-2010.
- Tolerance of torque ±3%.

SPECIFICATIONS

TT NO.	Ø(mm)	Nm	lbf.ft	Graduation	g	L(mm)	case/CTN
TW-633-2F	16mm	5-50	3.5-37	0.25	440	350	24
TW-644-1F		10-100	8-75	0.5	1050	435	12
TW-644-2F		20-200	10-150	1	1230	500	12

ADJUSTABLE TORQUE WRENCH



01 (a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
(b) D Drive: Chromium-molybdenum alloy steel tracing better stability and reliability.
(c) Thin head & flat tube is suitable for narrow working environment.
(d) Accuracy of torque +/-3%; quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Steel tube: The steel with carburizing process for better strength and life cycle.
Electroplating finished: Good for anti-corrosion and anti-abrasion.
A laser marked arrow pointed to CW direction can avoid improper use.
Loud click sound and strong impulse when required torque reached.
Side hole is designed for easy calibration and maintenance.

03 Engraving serial no. for quality tracing purpose.

04 Window display: Single scale.

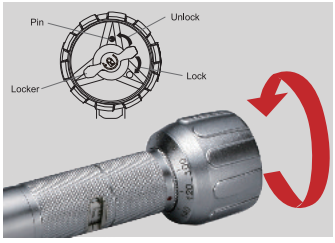
05 Knurled handle: Non-slip design.

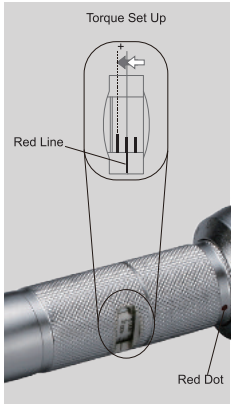
06 External scale and knob: Easy torque-setting and energy-saving design.
Adjustment system (Wing shape design): Turn knob CCW direction to “unlock” the wrench for torque setting; turn knob CW direction to “lock”.

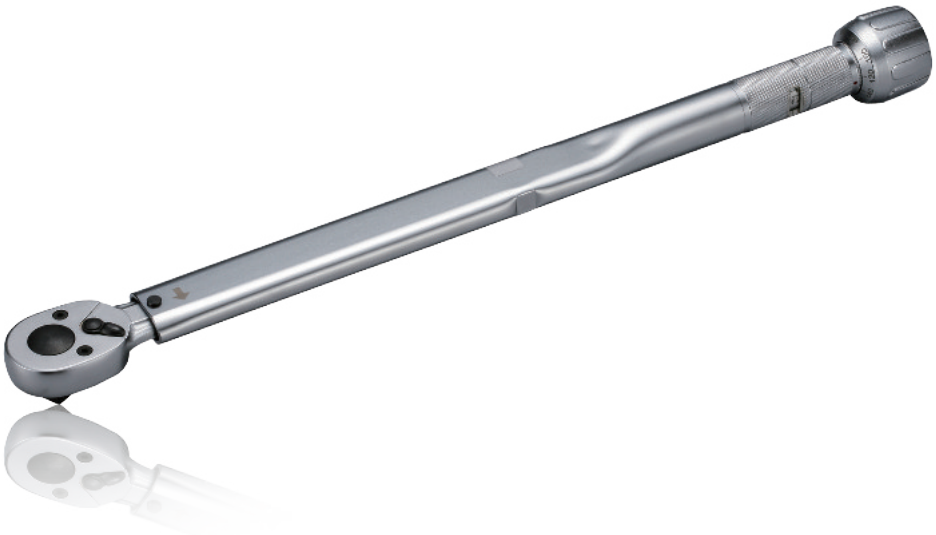
CLICK TORQUE WRENCH

Features

- Industrial application with durability.
- The mechanism of flat metal tube and window scale-reading.
- Easy torque value setting with external scale and knob.
- Loud click sound and strong impulse when required torque is reached.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 6789 & ASME B107. 300-2010.







SPECIFICATIONS

TT NO.	Square drive	Teeth	kgf.cm	Graduation	g	L(mm)	case/CTN
TW-215-1K	1/4"	24T	4-20	0.2	200	173	24
TW-215-2K			10-50	0.5	200	173	24
TW-215-3K			20-100	1	200	173	24
TW-215-4K			30-150	1	250	223	24
TW-215-5K			50-250	2.5	450	240	24
TW-315-3K	3/8"	24T	50-250	2.5	450	240	24
TW-315-4K			100-500	5	500	260	24
TW-315-5K			200-1000	10	800	342	12
TW-415-1K	1/2"	24T	200-1000	10	800	342	12
TW-415-2K			300-1400	10	1000	410	12
TW-415-3K			400-2000	20	1500	498	12

TT NO.	Square drive	Teeth	Nm	Graduation	g	L(mm)	case/CTN
TW-215-1D	1/4"	24T	0.4-2	0.02	200	173	24
TW-215-2D			1-5	0.05	200	173	24
TW-215-3D			2-10	0.1	200	173	24
TW-215-4D			3-15	0.1	250	223	24
TW-215-5D			5-25	0.25	450	240	24
TW-315-3D	3/8"	24T	5-25	0.25	450	240	24
TW-315-4D			10-50	0.5	500	260	24
TW-315-5D			20-100	1	800	342	12
TW-415-1D	1/2"	24T	20-100	1	800	342	12
TW-415-2D			30-140	1	1000	410	12
TW-415-3D			40-200	2	1500	498	12

ADJUSTABLE TORQUE WRENCH

01 Chromium-vanadium alloy steel brings strength and life cycle. Quick release design for changing socket quickly. Repair kit for inner spare parts of ratchet head is available.

02 Round tube design:
Applied to both clockwise and counterclockwise directions.
The steel tube with carburizing process for better strength and life cycle.

03 Serial number:
Each piece stamping serial no. for traceability.

04 LED light:
Red push button for LED light; click once again to close. 12V battery is required.

05 Scales:
Dual scale window type; easy readable for two different units.
Use high quality convex lens of coated glasses for high transparency, clear font, low reflective light.

06 NBR handle:
Ergonomic shape with non-slip, oil-resistant and comfortable features.
Standard or customized color is available.

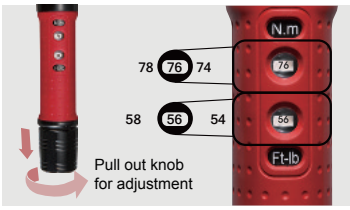
07 Adjustment system:
Pull out the knob to"UNLOCK" the wrench for easy adjusting the torque; put it back to "LOCK" the wrench.

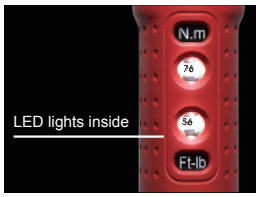
08 End cap:
Customized color is available.

NUMERIC SCREEN TORQUE WRENCH

Features

- Industrial application with durability.
- Quick release button function.
- Ergonomic grip design - red in NBR & black in ABS material.
- Easy torque adjustment with the unique pull out knob.
- Dual scale window design with convex lens and high brightness LED lights for clear reading purpose.
- Direct numeral display of the desired torque for easy identification.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- CW/CCW directions.
- Tolerance of torque ±3%.

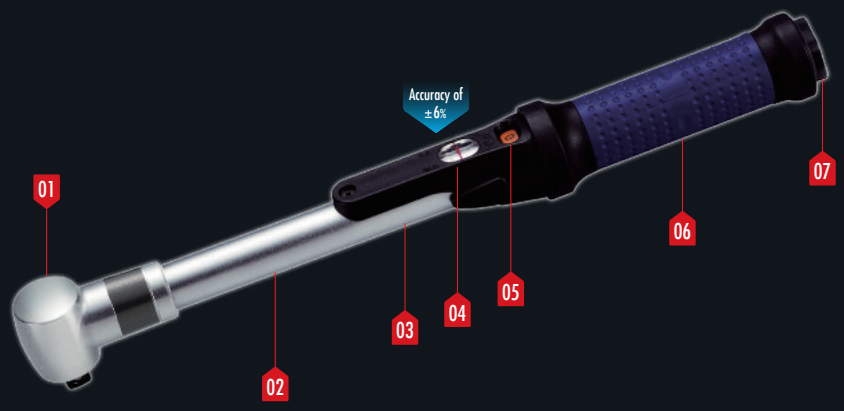


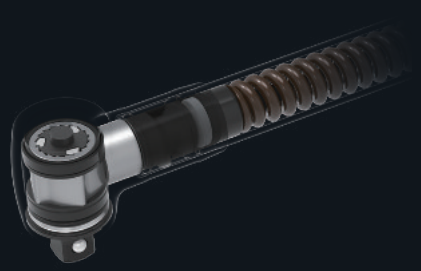


SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	lbf.ft	Graduation	g	L(mm)	case/ CTN
TW-267-2F	1/4"	24T	4-20	3-14.8	0.1	800	368	24
TW-367-1F	3/8"	24T	4-20	3-14.8	0.1	800	368	24
TW-367-2F		32T	20-100	15-74	0.5	1200	435	12
TW-467-1F	1/2"	32T	40-200	30-148	1	1470	510	12
TW-467-2F			60-340	44-251	2	1670	615	12

ADJUSTABLE TORQUE WRENCH





01 Ratchet head:
A highly robust ratchet mechanism for CW direction application only. Repair kit for inner spare parts of ratchet head is available.
The unique continuous slipping mechanism eliminates the risk of over tightening.

02 Reliable mechanism:
The robust and resistant fully chromed steel tube is ideal of industrial use.

03 Serial number:
Each piece engraving serial number for traceability.

04 Scales:
Dual scales under window for easy readable in both N-m and Ft-lb units.

05 Micrometer scale:
Additional micrometer scale for setting accurate value.

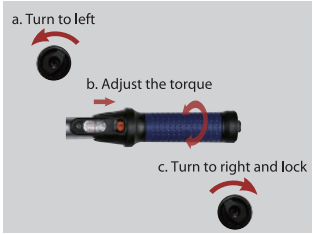
06 NBR grip handle:
Ergonomic shape with non-slip and comfortable features.

07 Adjustment system:
Locking button enables reliable locking of the torque setting.
Turn switch CCW direction to "UNLOCK" the wrench for torque setting; turn switch CW direction to "LOCK".

ADJUSTABLE SLIPPING TORQUE WRENCH

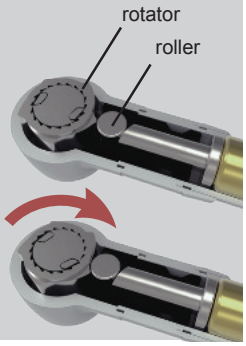
Features

- Unique continuous slipping mechanism eliminates the risk of over tightening.
- With 36T/48T ratchet-function for controlled clockwise direction.
- Adjustable tool in a wide torque range of applications.
- Easily readable dual scale N-m and Ft-lb below a window.
- Additional micrometer scale for setting interim value.
- Ergonomically shaped and convenient plastic handle grip.
- Locking button enables reliable locking of the torque setting.
- Tolerance of torque +/-6%. (1-5Nm, 2-10Nm).
- Tolerance of torque +/-4%. (5-25Nm, 10-60Nm, 20-100Nm).
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



Slipping Mechanism:

When the torque value is achieved, the mechanism slips through over the roller and automatic resetting.

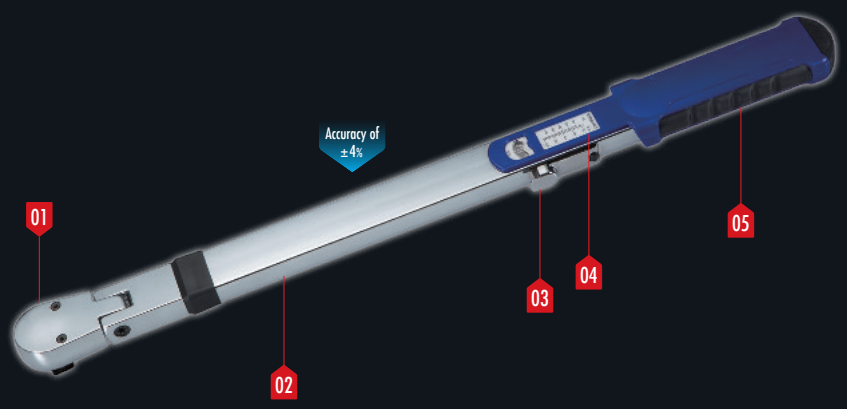


SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	lbf.ft	Graduation	g	L(mm)	case/ CTN
39216-1F	1/4"	36T	1-5	0.7-3.7	0.05	520	260	24
39216-2F			2-10	1.5-7.4	0.1	520	260	24
39216-3F			5-25	3.5-18	0.1	590	320	24
39316-2F	3/8"	36T	5-25	3.5-18	0.1	590	320	24
39316-3F		48T	10-60	8-44	0.25	655	355	24
39316-4F		-	25-100	18-75	-	-	-	-
39416-1F	1/2"	48T	10-60	8-44	0.25	655	355	24
39416-2F		-	25-100	18-75	-	-	-	-

TT NO.	Square drive	Teeth	in-lb	Nm	Graduation	g	L(mm)	case/ CTN
39216-2C	1/4"	36T	20-90	2-10	0.1	520	260	24

ADJUSTABLE TORQUE WRENCH



01 Ratchet head:
A highly robust ratchet mechanism and flexible head.
Repair kit for inner spare parts of ratchet head is available.

02 Reliable mechanism:
Non coil-spring mechanism and no need to return to zero after use, which brings longer tool life and less maintenance request.

03 Hinge cover:
Toothed guard contains the lock function, which can prevent setting from being changed accidentally.
Knob-type torque adjustment brings faster and energy-efficient.

04 The window scale :
The conversion table to N.m displayed on the handle. The main reading window scale for single unit while operation.

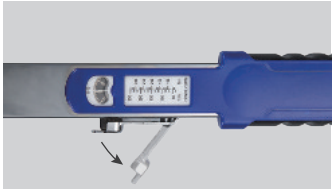
05 Grip handle:
TPR cushion handle provides comfort, easy control and oil-resistance.

FLEXIBLE SPLIT-BEAM TORQUE WRENCH

Features

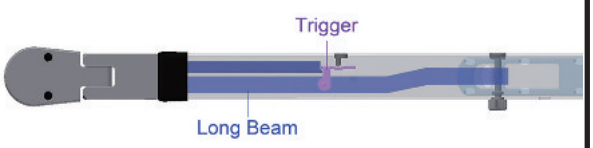
- Torque of tolerance -- unflexed +/-4%; flexed +/-4%~+/-10%.
- Non coil-spring mechanism and no need to return to zero after use, which brings longer tool life.
- Knob-type torque adjustment is faster and more energy-efficient.
- Toothed hinge cover contains the lock function, which can prevent setting from being changed accidentally.
- Torque setting can be easily read through the window scale.
- Conversion table to N.m displayed on the handle.
- TPR cushion handle provides comfort, easy control and oil-resistance.
- Torque measurement in a clockwise direction only with 15 degree flex. head.
- Loud click sound and strong impulse when required torque is reached.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

Setting displayed in window


Open the hinge cover 、
adjust setting by knob (PAT.)

Renewal Kit:
04882DK

Non coil-spring mechanism



SPECIFICATIONS

TT NO.	Square drive	Teeth	Swing arc	Nm	Graduation	g	L(mm)	case/ CTN
68388-2F	3/8"	32T	15°	25-130	-	-	-	-
68488-2F	1/2"			70-350	5	1705	590	12

TT NO.	Square drive	Teeth	Swing arc	ft-lb	Graduation	g	L(mm)	case/ CTN
68388-1C	3/8"	32T	15°	20-100	-	-	-	-
68488-2C	1/2"			40-250	5	1705	590	12

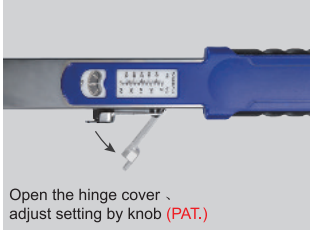
PUSH-THRU SPLIT-BEAM TORQUE WRENCH

Features

- Torque of tolerance +/-4%.
- Non coil-spring mechanism and no need to return to zero after use, which brings longer tool life.
- Knob-type torque adjustment is faster and more energy-efficient.
- Toothed hinge cover contains the lock function, which can prevent setting from being changed accidentally.
- Torque setting can be easily read through the window scale.
- Conversion table to Ft-lb displayed on the handle.
- TPR cushion handle provides comfort, easy control and oil-resistance.
- Loud click sound and strong impulse when required torque is reached.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

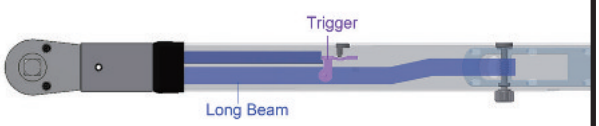
Setting displayed in window

Push throuhg drive


Open the hinge cover 、
adjust setting by knob (PAT.)

Renewal Kit:
04282DK

Non coil-spring mechanism



SPECIFICATIONS

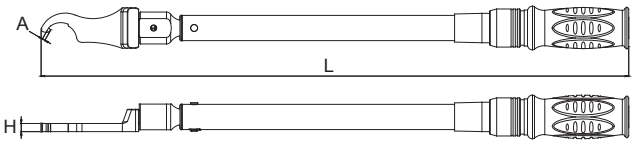
TT NO.	Square drive	Teeth	Nm	Graduation	g	L(mm)	case/CTN
68328-2FW	3/8"	32T	25-130	-	-	-	-
68428-2FW	1/2"		70-350	5	1700	590	12

TT NO.	Square drive	Teeth	ft-lb	Graduation	g	L(mm)	case/CTN
68328-1C	3/8"	32T	20-100	-	-	-	-
68428-2C	1/2"		50-250	5	1700	590	12

INTERCHANGEABLE HOOK HEAD TORQUE WRENCH SET

Features

- Industrial application.
- Tolerance of torque ±4%.
- 1pc interchangeable torque wrench.
  6pcs 14x18 hook head inserts (clamping range Ø28~ Ø90)
- Easy torque-adjusting design.
- Quick release design.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Widely used in automobile, machine tool building and petroleum industries.

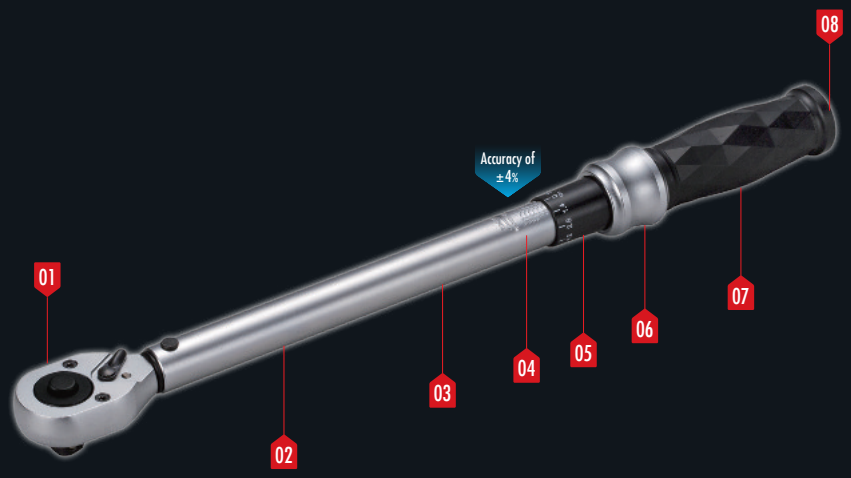


mm	A	H	L
Ø28-36	2.5	8	581
Ø40-45	3	8	589
Ø50-55	3	8	589
Ø58-62	3.5	8	594
Ø68-75	3.5	8	599
Ø80-90	4	8	602

SPECIFICATIONS

TT NO.	mm	Nm	Hook head insert tools (mm)	g	case/CTN
162007GW41D	14X18	40-200	Ø28-36,Ø40-45, Ø50-55,Ø58-62, Ø68-75,Ø80-90	3760	6

ADJUSTABLE TORQUE WRENCH



01 Ratchet head:
(a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
(b) Push button design for quick release function.
(c) Accuracy of torque +/-4%; quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Round tube: Applied to both clockwise and counterclockwise directions.
Steel Tube: The steel with carburizing process for better strength and life cycle.
Electroplating Finished: Good for anti-corrosion and anti-abrasion.

03 Engraving serial no. for quality tracing purpose.

04 Knurled scale: Two scales both on front and back.

05 Scale Handle: Easy-to-read micrometer scale with white print word on black plastic tube.

06 Adjustment system: Press locking ring to “unlock” the wrench for torque setting; release locking ring to “lock” the wrench automatically.

07 Handle: Diamond-shape design with impact-resistant plastic ABS.

08 Poly end cap: Standard or customized color is available.

PROFESSIONAL TORQUE WRENCH

Features

- Professional application.
- Wide range of choice.
- Tolerance of torque ±4%.
- Easy torque adjustment lock-ring mechanism.
- Unique diamond-shape plastic handle design.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

TT NO.	Square drive	Teeth	ft-lb(in-lb)/Nm	Graduation	L(mm)	g	case/ CTN
TW-226-1CW	1/4"	24T	25-250/3.7-27.4	1.5	281	530	24
TW-326-1CW	3/8"	24T	25-250/3.7-27.4	1.5	281	530	24
TW-326-2CW			5-80/10.2-105.1	0.5	361	770	24
TW-326-6CW			10-80/17-105.1	0.5	361	770	24
TW-426-1CW	1/2"	24T	10-150/20.3-196.6	1.0	461	1250	12
TW-426-2CW			30-250/54.2-325.4	2.0	553	1590	12

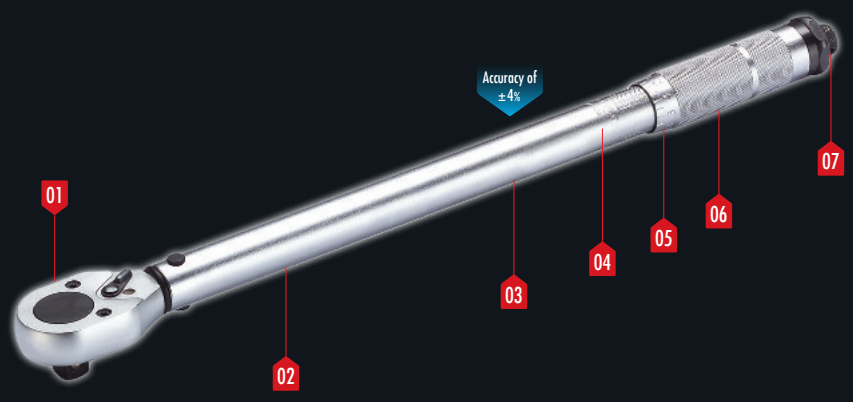
SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm/kgf-m(kgf-cm)	Graduation	L(mm)	g	case/ CTN
TW-226-1AW	1/4"	24T	5-25/61-245	0.2	281	530	24
TW-326-1AW	3/8"	24T	5-25/61-245	0.2	281	530	24
TW-326-2AW			20-110/2.6-10.7	1.0	361	770	24
TW-326-6AW			10-110/1.5-10.7	1.0	361	770	24
TW-426-1AW	1/2"	24T	42-210/5.0-20.7	1.4	461	1250	12
TW-426-2AW			50-350/6.6-34.2	3.0	553	1590	12
TW-426-6AW			28-210/3.6-20.7	1.4	461	1250	12
TW-426-7AW			20-210/2.6-20.9	1.0	461	1250	12
TW-426-8AW			40-210/4.6-20.9	1.0	461	1250	12

TT NO.	Square drive	Teeth	ft-lb(in-lb)/kgf-m(kgf-cm)	Graduation	L(mm)	g	case/ CTN
TW-226-1BW	1/4"	24T	25-250/37-279	1.5	281	530	24
TW-326-1BW	3/8"	24T	25-250/37-279	1.5	281	530	24
TW-326-2BW			5-80/1.0-10.7	0.5	361	770	24
TW-426-1BW	1/2"	24T	10-150/2.1-20.0	1.0	461	1250	12
TW-426-2BW			30-250/5.5-33.1	2.0	553	1590	12

TT NO.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L(mm)	g	case/ CTN
TW-226-1FW	1/4"	24T	5-25/53.1-212.4	0.2	281	530	24
TW-226-3FW			6-30/62-256.7	0.2	281	530	24
TW-326-1FW	3/8"	24T	5-25/53.1-212.4	0.2	281	530	24
TW-326-2FW			20-110/18.5-77.5	1.0	361	770	24
TW-326-3FW			6-30/62-256.7	0.2	281	530	24
TW-426-1FW	1/2"	24T	42-210/36.2-149.8	1.4	461	1250	12
TW-426-2FW			50-350/48.0-247.2	3.0	553	1590	12
TWN-426-2FW			70-340/62.7-239.7	3.0	553	1590	12
TW-426-6FW			28-210/25.8-149.8	1.4	461	1250	12
TW-426-7FW			20-210/18.4-151.2	1.0	461	1250	12
TW-426-8FW			40-210/33.2-151.2	1.0	461	1250	12
TW-626-1FW	3/4"	24T	100-600/92-424	5.0	1010	4730	2
TW-626-2FW			150-800/129-572	5.0	1200	5990	2
TW-626-3FW			200-1000/166-719	5.0	1200	5990	2
TW-626-4FW		32T	100-500/81-361	2.0	840	2410	6
TW-826-1FW	1"	24T	150-800/129-572	5.0	1200	5990	2
TW-826-2FW			200-1000/166-719	5.0	1200	5990	2
TW-826-3FW			150-1000/129-719	5.0	1200	5990	2

ADJUSTABLE TORQUE WRENCH



01 (a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
(b) Accuracy of torque +/-4%; quality meets DIN ISO 6789 & ASME B107. 300-2010.

02 Steel Tube: The steel with carburizing process for better strength and life cycle.
Electroplating Finished: Good for anti-corrosion and anti-abrasion.

03 Engraving serial no. for quality tracing purpose.

04 Knurled scale: Two scales both on front and back.

05 Knurled scale marking (single/dual scale).
Micrometer scale for more accurate torque value setting.

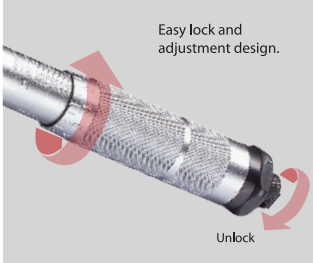
06 Knurled handle: Non-slip handle design.

07 Lock mechanism: Turn screw CCW direction to “unlock” the wrench for torque setting; turn screw CW direction to “lock”.

TRADITIONAL TORQUE WRENCH

Features

- Professional application.
- Wide range of choice.
- Tolerance of torque ±4%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm/kgf-m(kgf-cm)	Graduation	L(mm)	g	case/ CTN
TW-223-1A	1/4"	24T	5-25/51-255	0.2	280	595	24
TW-323-1A	3/8"	24T	5-25/51-255	0.2	280	595	24
TW-323-2A			20-110/2.04-11.22	1.0	370	830	24
TW-323-6A			10-110/1.02-11.22	1.0	370	830	24
TW-423-1A	1/2"	24T	42-210/4.3-21.4	1.0	450	1316	12
TW-423-2A			50-350/5.1-35.7	3.0	570	1658	12
TWN-423-2A			70-340/7.1-34.7	3.0	570	1658	12
TW-423-6A			28-210/2.9-21.4	1.0	450	1316	12

TT NO.	Square drive	Teeth	ft-lb(in-lb)/kgf-m(kgf-cm)	Graduation	L(mm)	g	case/ CTN
TW-223-1B	1/4"	24T	25-250/29-288	1.5	280	595	24
TWN-223-1B			55-250/63-288	1.5	280	595	24
TW-323-1B	3/8"	24T	25-250/29-288	1.5	280	595	24
TWN-323-1B			55-250/63-288	1.5	280	595	24
TW-323-2B			5-80/0.7-11.1	0.5	370	830	24
TWN-323-2B			15-80/2.1-11.1	0.5	370	830	24
TW-423-1B	1/2"	24T	10-150/1.4-20.8	1.0	450	1316	12
TWN-423-1B			30-150/4.2-20.8	1.0	450	1316	12
TW-423-2B			30-250/4.2-34.6	2.0	570	1658	12
TWN-423-2B			50-250/6.9-34.6	2.0	570	1658	12

TT NO.	Square drive	Teeth	ft-lb (in-lb)/Nm	Graduation	L(mm)	g	case/ CTN
TW-223-1C	1/4"	24T	25-250/2.8-28.2	1.5	280	595	24
TWN-223-1C			55-250/6.2-28.2	1.5	280	595	24
TW-323-1C	3/8"	24T	25-250/2.8-28.2	1.5	280	595	24
TWN-323-1C			55-250/6.2-28.2	1.5	280	595	24
TW-323-2C			5-80/6.8-108.5	0.5	370	830	24
TWN-323-2C			15-80/20.3-108.5	0.5	370	830	24
TW-423-1C	1/2"	24T	10-150/13.6-203.4	1.0	450	1316	12
TWN-423-1C			30-150/40.7-203.4	1.0	450	1316	12
TW-423-2C			30-250/40.7-339.0	2.0	570	1658	12
TWN-423-2C			50-250/67.8-339.0	2.0	570	1658	12

TT NO.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L(mm)	g	case/ CTN
TW-223-1F	1/4"	24T	5-25/44.3-221.3	0.2	280	595	24
TW-323-1F	3/8"	24T	5-25/44.3-221.3	0.2	280	595	24
TW-323-2F			20-110/14.8-81.1	1.0	370	830	24
TW-423-1F	1/2"	24T	42-210/31-154.9	1.0	450	1316	12
TW-423-2F			50-350/36.9-258.1	3.0	570	1658	12
TW-423-6F			28-210/20.7-154.9	1.0	450	1316	12

PROFESSIONAL TORQUE WRENCH SET

Features

- Professional application.
- Tolerance of torque ±4%.
- Easy torque adjustment lock-ring mechanism.
- Unique diamond-shape plastic handle design.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

N7401728DW

77401148FW

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm/ft-lb(in-lb)	Bit	g	case/CTN
N7401728DW	1/4"	24T	1-25	H4,5,6,7,8,10+T20,25,27,30,40,45 PH2,3,+H5x100mm 1/4"socket extension	960	24
N7401721FW	1/4"	24T	5-25/53.1-212.4	H4,5,6,7,8,10+T20,25,27,30,40,45 PH2,3,+H5x100mm 1/4"socket extension	960	24
77401148FW	1/2"	24T	40-210/33.2-151.2	H6,8,10,12 sockets(mm)17,19,21,22,24,27	2890	6

INTERCHANGEABLE PROFESSIONAL TORQUE WRENCH SET

Features

- Professional application.
- Using standard insert tools (9x12 rectangular cavity).
- Tolerance of torque ±4%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

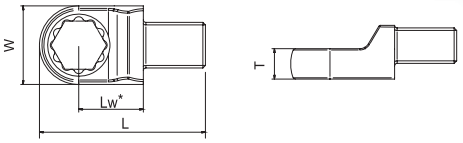
TT NO.	mm	Nm	ft-lb	Ratchet insert tools(push type)	Open ended insert tools	g	case/CTN
86401232FW	9X12	20-110	18.5-77.5	3/8"	10,11,12,13,14,15,16,17,18,19	1730	6

INSERT TOOLS

INSERT TOOLS SQUARE END

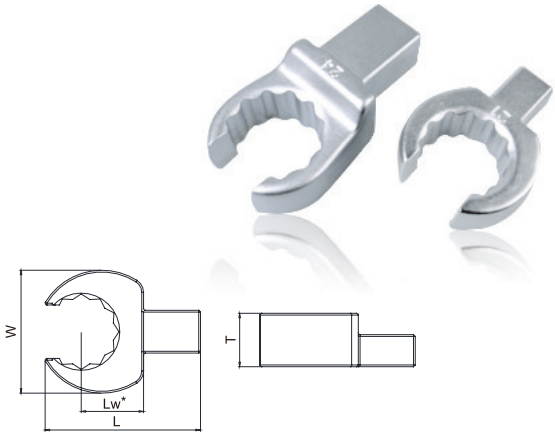
Features

- Chrome-plated.
- Full range for choice.
- CR-V steel.



RING INSERT TOOLS 7421

TT NO.	SIZE	mm	Lw*(mm)	L(mm)	W	T
7421-07W	07	9x12	17.5	40.8	19.8	8.0
7421-08W	08		17.5	40.8	19.8	8.0
7421-10W	10		17.5	42.6	20.0	8.0
7421-11W	11		17.5	43.5	20.2	8.0
7421-12W	12		17.5	44.0	22.2	12.0
7421-13W	13		17.5	44.5	22.2	12.0
7421-14W	14		17.5	46.0	23.5	12.0
7421-15W	15		17.5	46.7	24.6	12.0
7421-16W	16		17.5	47.0	26.4	13.0
7421-17W	17		17.5	47.3	27.3	13.0
7421-18W	18		17.5	48.4	29.0	13.0
7421-19W	19		17.5	49.4	31.0	13.0
7421-21W	21		17.5	49.8	33.4	14.7
7421-22W	22		17.5	51.4	35.0	14.7



RING INSERT TOOLS 7422

TT NO.	SIZE	mm	Lw*(mm)	L(mm)	W	T
7422-13W	13	14x18	25	61.5	30.0	12.0
7422-14W	14		25	62.0	30.0	12.0
7422-15W	15		25	62.5	30.0	12.0
7422-16W	16		25	62.5	30.0	12.0
7422-17W	17		25	64.0	30.5	12.5
7422-18W	18		25	64.5	30.5	12.5
7422-19W	19		25	66.0	31.0	12.5
7422-21W	21		25	67.4	33.4	15.0
7422-22W	22		25	68.0	35.2	15.0
7422-24W	24		25	69.5	37.4	15.0
7422-27W	27		31	77.5	41.7	17.5
7422-30W	30		31	79.0	45.3	17.5
7422-32W	32		31	80.3	47.8	17.5
7422-34W	34		31	82.3	50.8	19.0
7422-36W	36		31	82.6	53.0	19.0
7422-41W	41		31	85.5	59.3	19.0

OPEN RING INSERT TOOLS 7441

TT NO.	SIZE	mm	Lw*(mm)	L(mm)	W	T
7441-10W	10	9x12	17.5	42.3	21.2	12
7441-11W	11			42.8	22.6	12
7441-12W	12			43.4	24.1	12
7441-13W	13			43.7	25.2	12
7441-14W	14			44.5	27.3	13
7441-16W	16			45.4	30.1	13
7441-17W	17			45.9	31.6	13
7441-18W	18			46.1	33.3	15
7441-19W	19			46.8	34.6	15
7441-21W	21			48	37.7	15
7441-22W	22			48.8	39.3	15

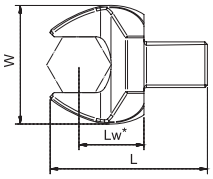
OPEN RING INSERT TOOLS 7442

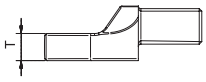
TT NO.	SIZE	mm	Lw*(mm)	L(mm)	W	T
7442-24W	24	14x18	24.5	66.8	37.5	15

INSERT TOOLS SQUARE END

Features

- Chrome-plated.
- Full range for choice.
- CR-V steel.





OPEN ENDED INSERT TOOLS 7411

TT NO.	SIZE	mm	Lw*(mm)	L(mm)	W	T
7411-07W	07	9x12	17.5	37.6	20.7	5.7
7411-08W	08		17.5	37.6	22.0	5.7
7411-09W	09		17.5	37.6	23.5	5.7
7411-10W	10		17.5	39.8	24.8	5.7
7411-11W	11		17.5	39.8	26.0	5.7
7411-12W	12		17.5	39.8	27.5	5.7
7411-13W	13		17.5	40.0	28.8	5.7
7411-14W	14		20	43.0	31.5	7.7
7411-15W	15		20	44.0	33.5	7.7
7411-16W	16		20	44.0	36.0	7.7
7411-17W	17		20	44.0	37.7	7.7
7411-18W	18		20	45.2	39.0	7.7
7411-19W	19		20	45.2	41.6	7.7
7411-21W	21		25	52.2	45.5	11.5
7411-22W	22		25	52.2	47.3	11.5
7411-24W	24		25	54.0	50.8	11.5
7411-27W	27		32.5	60.0	58.7	13.0
7411-30W	30		32.5	61.5	63.7	13.5
7411-32W	32		32.5	63.0	65.0	13.5
7411-36W	36		32.5	64.8	67.5	13.5

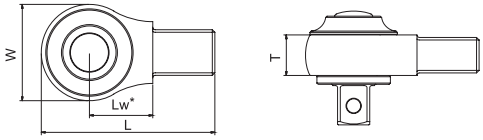
OPEN ENDED INSERT TOOLS 7412

TT NO.	SIZE	mm	Lw*(mm)	L(mm)	W	T
7412-13W	13	14x18	25	58.0	29.5	7.0
7412-14W	14		25	58.0	31.4	7.0
7412-15W	15		25	58.0	33.5	7.0
7412-16W	16		25	58.5	36.0	7.0
7412-17W	17		25	59.5	37.0	9.0
7412-18W	18		25	60.4	39.0	9.0
7412-19W	19		25	61.5	40.6	9.0
7412-21W	21		25	61.5	45.5	11.0
7412-22W	22		25	62.3	47.3	11.0
7412-23W	23		25	62.3	47.8	11.0
7412-24W	24		25	63.2	50.8	11.0
7412-25W	25		30	69.0	58.4	13.8
7412-26W	26		30	69.0	58.4	13.8
7412-27W	27		32.5	69.0	58.4	13.8
7412-30W	30		32.5	70.5	62.5	13.8
7412-32W	32		32.5	72.5	65.0	13.8
7412-34W	34		32.5	74.0	67.5	13.8
7412-36W	36		32.5	74.0	67.5	13.8
7412-38W	38		32.5	74.0	67.5	13.8
7412-40W	40		40	80.5	83.4	13.8
7412-41W	41		40	80.5	82.3	13.8
7412-46W	46		50	91.1	98.6	20.0
7412-48W	48		50	96.9	105.0	30.5
7412-50W	50		50	96.9	105.0	30.5
7412-55W	55		50	96.9	105.0	30.5
7412-70W	70		84.5	136.2	149.2	33.5

INSERT TOOLS SQUARE END

Features

- Chrome-plated.
- Full range for choice.
- CR-V steel.



RATCHET INSERT TOOLS (PUSH TYPE) 7531

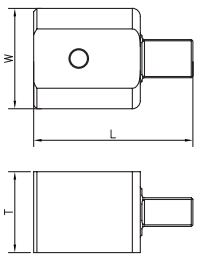
TT NO.	SIZE	mm	Teeth	Lw*(mm)	L(mm)	W	T
7531-02W	1/4"	9x12	72T	17.5	46.0	24.8	11.2
7531-03W	3/8"			17.5	49.0	30.2	11.2
7531-04W	1/2"			25	60.4	38.0	16.0

RATCHET INSERT TOOLS (PUSH TYPE) 7532

TT NO.	SIZE	mm	Teeth	Lw*(mm)	L(mm)	W	T
7532-03W	3/8"	14x18	72T	25	68.4	38.0	16.0
7532-04W	1/2"			25	68.8	38.0	16.0
7532-05W	3/4"			25	71.5	43.0	18.0
7532-06W	3/4"			45	99.8	61.5	22.0

9x12

14x18

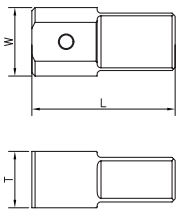


INSERT ADATPER

TT NO.	■ mm	L(mm)	W	T
74111418	14x18 → 9x12	50	31.5	25.4

14x18

9x12



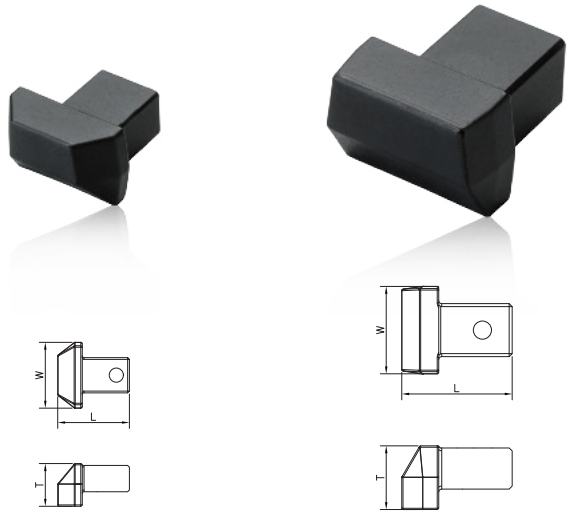
INSERT ADATPER

TT NO.	■ mm	L(mm)	W	T
74120912	9x12 → 14x18	45	21.5	17.5

INSERT TOOLS SQUARE END

Features

- Manganese phosphate coating.
- Used on welding job for getting special insert.
- Applied with interchangeable torque wrench.
- Alloy steel.



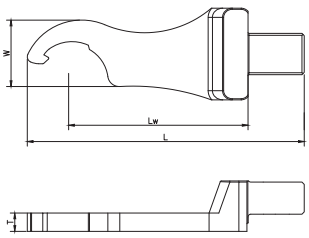
BLANK END INSERT TOOLS 7541				
TT NO.	mm	L(mm)	W	T
7541-0912	9x12	24.2	22.2	14.4

BLANK END INSERT TOOLS 7542				
TT NO.	mm	L(mm)	W	T
7542-1418	14x18	37.3	29.5	21.5

INSERT TOOLS SQUARE END

Features

- Manganese phosphate coating.
- Suitable for tightening round nuts with radial notches.
- Applied with interchangeable torque wrench.
- Alloy steel

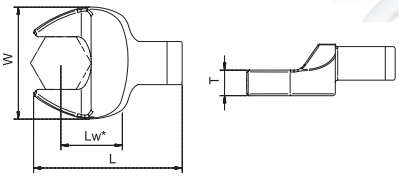


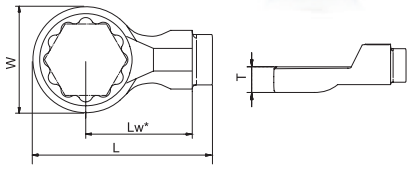
HOOK HEAD INSERT TOOLS 7562					
TT NO.	Ø mm	Lw*(mm)	L(mm)	W	T
7562-28M	28-36	77	120.8	29.0	8
7562-40M	40-45		128.5	41.5	8
7562-50M	50-55		128.5	41.5	8
7562-58M	58-62		133.5	47.2	8
7562-68M	68-75		138.5	56.4	8
7562-80M	80-90		141.5	64.1	8

INSERT TOOLS SPIGOT END

Features

- Chrome-plated.
- Full range for choice.
- CR-V steel.





OPEN ENDED INSERT TOOLS 7415

TT NO.	SIZE	Ø mm	Lw*(mm)	L(mm)	W	T
7415-07W	07	Ø16mm	32	54.5	20.5	5
7415-08W	08			54.5	20.5	5
7415-09W	09			54.5	20.5	5
7415-10W	10			56.5	29	7
7415-11W	11			56.5	29	7
7415-12W	12			56.5	29	7
7415-13W	13			58.5	34.5	8
7415-14W	14			58.5	34.5	8
7415-15W	15			58.5	34.5	8
7415-16W	16			60.5	41.5	9
7415-17W	17			60.5	41.5	9
7415-18W	18			60.5	41.5	9
7415-19W	19			62	45	10
7415-20W	20			62	45	10
7415-21W	21			62	45	10
7415-22W	22			63.5	56	11
7415-23W	23			63.5	56	11
7415-24W	24			63.5	56	11
7415-25W	25			63.5	56	11
7415-26W	26			63.5	56	11
7415-27W	27			63.5	56	11
7415-28W	28			63	68	12
7415-29W	29			63	68	12
7415-30W	30			63	68	12
7415-32W	32			63	68	12
7415-36W	36			63	68	12

RING INSERT TOOLS 7425

TT NO.	SIZE	Ø mm	Lw*(mm)	L(mm)	W	T
7425-07W	07	Ø16mm	32	58	15	8
7425-08W	08			58	15	8
7425-09W	09			58	15	8
7425-10W	10			60.25	19.5	10
7425-11W	11			60.25	19.5	10
7425-12W	12			60.25	19.5	10
7425-13W	13			60.25	23.5	12
7425-14W	14			60.25	23.5	12
7425-15W	15			60.25	23.5	12
7425-16W	16			64.75	28.5	13
7425-17W	17			64.75	28.5	13
7425-18W	18			64.75	28.5	13
7425-19W	19			66.25	31.5	14
7425-20W	20			66.25	31.5	14
7425-21W	21			66.25	31.5	14
7425-22W	22			70.25	39.5	15
7425-23W	23			70.25	39.5	15
7425-24W	24			70.25	39.5	15
7425-27W	27			70.25	39.5	15

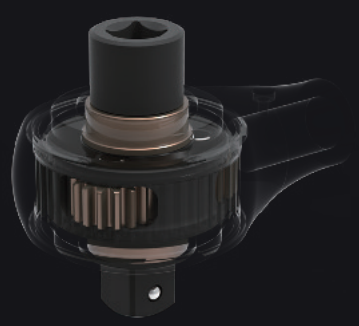
RING INSERT TOOLS 7426

TT NO.	SIZE	Ø mm	Lw*(mm)	L(mm)	W	T
7426-22W	22	Ø22mm	56	98.5	38	15
7426-24W	24			98.5	38	15
7426-27W	27			102.75	46.5	17
7426-30W	30			102.75	46.5	17
7426-32W	32			106.5	55	20
7426-34W	34			106.5	55	20
7426-36W	36			106.5	55	20
7426-41W	41			115.5	72	22
7426-46W	46			115.5	72	22

OPEN ENDED INSERT TOOLS 7416

TT NO.	SIZE	Ø mm	Lw*(mm)	L(mm)	W	T
7416-22W	22	Ø22mm	56	91	52	11
7416-24W	24			91	52	11
7416-27W	27			94	64	12
7416-30W	30			94	64	12
7416-32W	32			97	75.5	12
7416-34W	34			97	75.5	12
7416-36W	36			97	75.5	12
7416-41W	41			103.5	94	12
7416-46W	46			115.5	94	12

TORQUE MULTIPLIER



01 Input & Output End:
Chromium-molybdenum alloy steel brings better strength and life cycle.
Input: 1/2",3/4"
Output: 3/4",1"

02 Planetary gear mechamism:
(a) Planetary gear carrier device brings high transmission efficiency and load capacity.
(b) All gears rotate on needle roller bearings throughout the operating process.
(c) Torque multiplication factor of 5:1.
(d) Multiplication accuracy ±5%

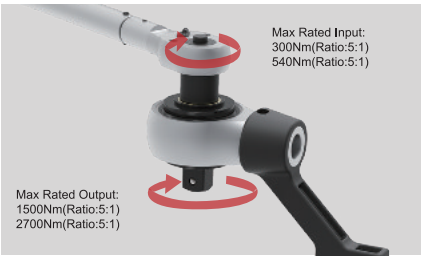
03 Main Body:
Electroplating Finished: Good for anti-corrosion and anti-abrasion.

04 Each tool is supplied with 2 reaction bars subject to the working environment.

TORQUE MULTIPLIER

Features

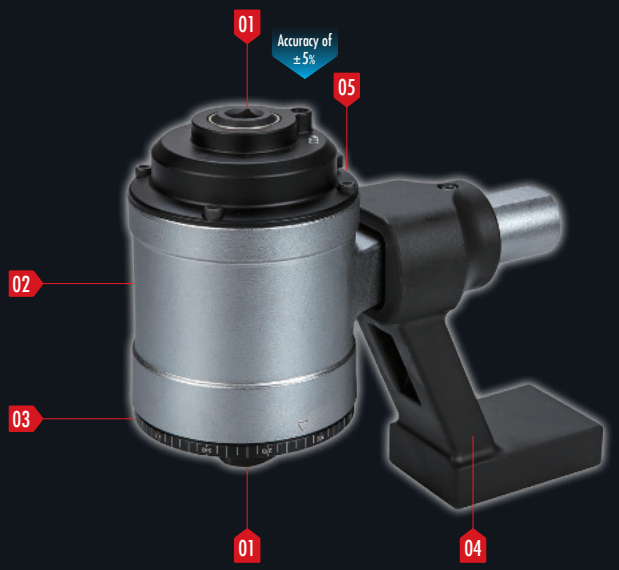
- Planetary gear carrier mechanism makes high transmission efficiency and load capacity.
- 5:1 torque multiplication.
- Multiplication accuracy ±5%.
- Supplied with 2 reaction bars.



TORQUE MULTIPLIER

TT NO.	Range		Ratio	Input Square	Output Square	g	case/CTN
	Nm	ft-lb					
TW-416	1500	1100	5:1	1/2"	3/4"	6480	2
TW-418	1500	1100	5:1	1/2"	1"	6480	2
TW-618	2700	2000	5:1	3/4"	1"	6480	2

TORQUE MULTIPLIER



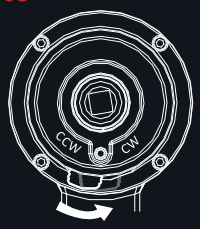
01 Input & output square & main body:
Chromium-molybdenum alloy steel brings better strength and life cycle.
Input:1/2”
Output:1”

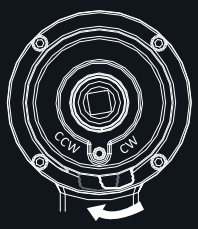
02 Planetary gear mechamism:
(a) Double planetary-gear-carriers brings high load capacity with high 26:1.
(b) Multiplication accuracy ±5%
(c) Electroplating Finished: Good for anti-corrosion and anti-abrasion.
(d) Anti-backlash mechanism for safety concern and comfortable operation

03 Angle protractor:
For easy torque setting and angle tightening

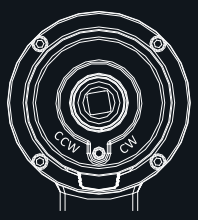
04 Two alternative reaction bars can be applied to different working environment.

05





CCW/CW：
Releasing the anti-rebound device applied wore 5% of the setting value to unlock the device, then switch to the opposite direction, and release the pressure slowly. Simply swithing the snitch to the middle position.

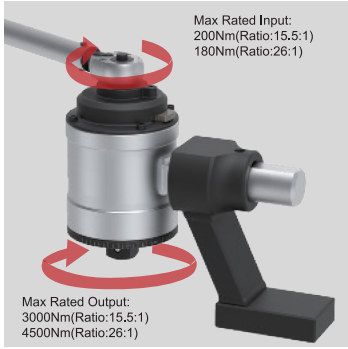


Disable the anti-rebound device

TORQUE MULTIPLIER

Features

- Double planetary-gear-carriers bring high load capacity.
- With high ratio gearbox 26:1, multiplication accuracy ±5%.
- High ratios offer a idea to replace long lever arms and heavy wrenches.
- Supplied with 2 different reaction bars.
- Robust construction for long lifetime use.
- Anti-backlash mechanism for safety and comfortable operation.



TORQUE MULTIPLIER							
TT NO.	Range		Ratio	Input Square	Output Square	g	case/CTN
	Nm	ft-lb					
TW-428-01	3000	2200	15.5:1	1/2"	1"	11500	1
TW-428-02	4500	3300	26:1	1/2"	1"	13000	1

TORQUE MULTIPLIER

01 Input Square(F):
The material is Chrome molybdenum alloy steel.

02 Output Square(M):
The material is Cr-V alloy steel brings better stability and reliability.
The replaceable square drive to keep whole housing mechanism safe while over loading happen.
The repair kit for square drive is available.

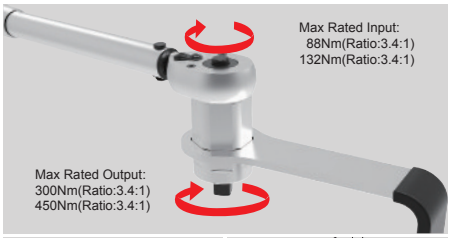
03 Main body:
Small and light weight housing as socket size brings easy to carry & storage.
The material is Chrome molybdenum alloy steel.
The laser specification is on the body.

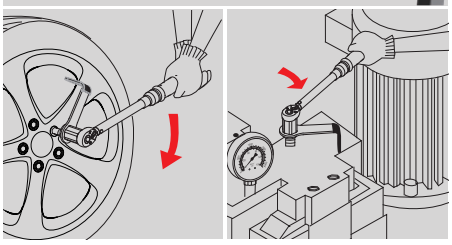
04 Handle:
Supplied with the rubber-cover reaction bar for tire rim protection purpose.

MINI TORQUE MULTIPLIER

Features

- Patented product.
- Energy-saving tool designed for tire change.
- Small-size, light weight, easy to carry & storage.
- 3.4 : 1 torque multiplication.
- Accuracy tolerance +/- 5%.
- The tool is adapted for tire change of car and van in automotive repair industry.
- Supplied with the rubber-cover reaction bar for tire rim protection purpose.





PATENTED

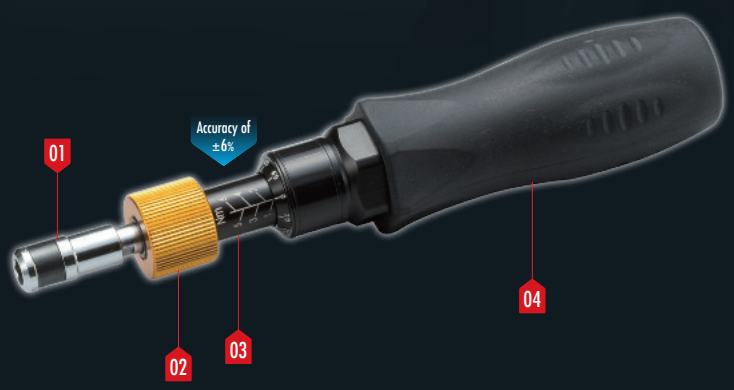
MINI TORQUE MULTIPLIER (BLISTER PACK)

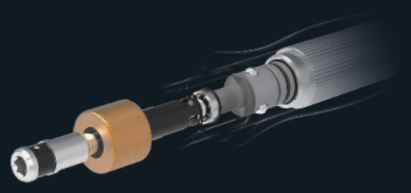
TT NO.	Range		Ratio	Input Square	Output Square	g	case/CTN
	Nm	ft-lb					
TW-353-02	300	221	3.4:1	3/8"	3/8"	710	24
TW-354-01	450	332	3.4:1	3/8"	1/2"	710	24
TW-454-01	600	443	3.4:1	1/2"	1/2"	1100	20
TW-456-02	800	590	3.4:1	1/2"	3/4"	1100	20

MINI TORQUE MULTIPLIER (BMC PACK)

TT NO.	Range		Ratio	Input Square	Output Square	g	case/CTN
	Nm	ft-lb					
TW-353-02A	300	221	3.4:1	3/8"	3/8"	710	20
TW-354-01A	450	332	3.4:1	3/8"	1/2"	710	20
TW-454-01A	600	443	3.4:1	1/2"	1/2"	1100	20
TW-456-02A	800	590	3.4:1	1/2"	3/4"	1100	20

TORQUE SCREWDRIVER





01 6.3mm(1/4") Hex drive for bit, square drive for socket.
Tolerance of torque: Accurancy ± 6%.
Quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Locking mechanism: Press the locking knob when adjusting the torque; release the knob when reached the setting torque value.
Automatic slip design: When the maximum torque setting is achieved, the cam mechanism automatically slips to prevent over-tightening.

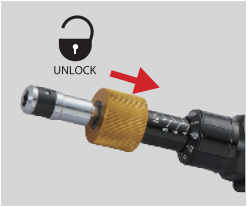
03 Laser serial no.: for further quality tracing purpose.
Laser scale: Laser two units(Nm&Ft-lbs) on aluminum collar tube.
Easy-to-read micrometer scale with white laser words on black graduated ring.

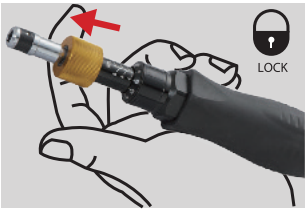
04 Ergonomic-shape and non-slip NBR grip.

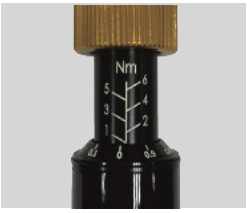
INDUSTRIAL TORQUE SCREWDRIVER (Hex Drive)

Features

- Tolerance of torque ±6%.
- 6.3mm (1/4") Hex drive for bit.
- Slipping clutch mechanism.
- Automatic adjustment knob design.
- Easy-to-read laser scale.
- Applied to both clockwise and counterclockwise directions.
- Ergonomic comfort rubber grip.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.







SPECIFICATIONS

TT NO.	⬡	cNm	Graduation	L(mm)	g	case/ CTN
TW-260-01	⬡	10-120	1	180	230	24
TWN-260-01	⬡	30-120	1	180	230	24

TT NO.	⬡	Nm	Graduation	L(mm)	g	case/ CTN
TW-260-02	⬡	0.1-1.2	0.01	180	230	24
TW-260-17	⬡	0.4-2.6	0.02	180	340	24
TW-262-04	⬡	1-3.5	0.05	195	340	24
TW-262-02	⬡	1-6	0.1	195	340	24
TWN-262-02	⬡	1.5-6.5	0.01	180	230	24
TW-262-03	⬡	4-9	0.1	195	340	24
TW-262-05	⬡	5-10	0.1	195	340	24

TT NO.	⬡	in-lb	Graduation	L(mm)	g	case/ CTN
TW-260-13	⬡	0.5-4	0.05	180	230	24
TW-260-14	⬡	2-12	0.1	180	230	24
TW-260-11	⬡	3-15	0.1	180	230	24
TW-262-22	⬡	5-25	0.5	195	340	24
TW-262-23	⬡	10-50	1	195	340	24
TW-262-24	⬡	10-90	2	195	340	24

TT NO.	⬡	Nm/in-lb	Graduation	L(mm)	g	case/ CTN
TW-260-04	⬡	0.1-1.2/1.33-10.18	0.01	180	230	24
TW-262-14	⬡	1-3.5/11.03-28.77	0.05	195	340	24
TW-262-12	⬡	1-6/13.28-48.68	0.1	195	340	24
TW-262-13	⬡	4-9/39.83-75.23	0.1	195	340	24
TW-262-15	⬡	5-10/48.68-84.08	0.1	195	340	24

TT NO.	⬡	in-lb/Nm	Graduation	L(mm)	g	case/ CTN
TW-260-12	⬡	3-15/0.39-1.64	0.1	180	230	24

INDUSTRIAL TORQUE SCREWDRIVER (Square Drive)

Features

- Tolerance of torque ±6%.
- 6.3mm (1/4") Square drive for socket.
- Slipping clutch mechanism.
- Automatic adjustment knob design.
- Easy-to-read laser scale.
- Applied to both clockwise and counterclockwise directions.
- Ergonomic comfort rubber grip.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	■	cNm	Graduation	L(mm)	g	case/ CTN
TW-250-01	■	10-120	1	180	230	24
TWN-250-01		30-120	1	180	230	24

TT NO.	■	Nm	Graduation	L(mm)	g	case/ CTN
TW-250-02	■	0.1-1.2	0.01	180	230	24
TW-250-17	■	0.4-2.6	0.02	180	230	24
TW-252-04	■	1-3.5	0.05	195	340	24
TW-252-02	■	1-6	0.1	195	340	24
TWN-252-02	■	1.5-6.5	0.1	195	340	24
TW-252-03	■	4-9	0.1	195	340	24
TW-252-05	■	5-10	0.1	195	340	24

TT NO.	■	in-lb	Graduation	L(mm)	g	case/ CTN
TW-250-13	■	0.5-4	0.05	180	230	24
TW-250-14	■	2-12	0.1	180	230	24
TW-250-11	■	3-15	0.1	180	230	24
TW-252-22	■	5-25	0.5	195	340	24
TW-252-23	■	10-50	1	195	340	24
TW-252-24	■	10-90	2	195	340	24

TT NO.	■	Nm/in-lb	Graduation	L(mm)	g	case/ CTN
TW-250-04	■	0.1-1.2/1.33-10.18	0.01	180	230	24
TW-252-14	■	1-3.5/11.03-28.77	0.05	195	340	24
TW-252-12	■	1-6/13.28-48.68	0.1	195	340	24
TW-252-13	■	4-9/39.83-75.23	0.1	195	340	24
TW-252-15	■	5-10/48.68-84.08	0.1	195	340	24

TT NO.	■	in-lb/Nm	Graduation	L(mm)	g	case/ CTN
TW-250-12	■	3-15/0.39-1.64	0.1	180	230	24

MINI TORQUE SCREWDRIVER

Features

- Tolerance of torque ±6%.
- Easy-to-read laser scale.
- Slipping clutch mechanism.
- Torque setting by twisting the golden adjustment ring.
- Lock knob holds selected torque value in place.
- Aluminum alloy body with light weight benefit.
- Applied to both clockwise and counterclockwise directions.
- Ideal for production line use & especially for small torque demand.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	⬡ 4mm	cNm	Graduation	L(mm)	g	case/ CTN
TW-274-03	⬡ 4mm	5-60	0.5	100	105	72

TT NO.	⬡ 6.35mm	cNm	Graduation	L(mm)	g	case/ CTN
TW-264-03	⬡ 6.35mm	5-60	0.5	100	105	72

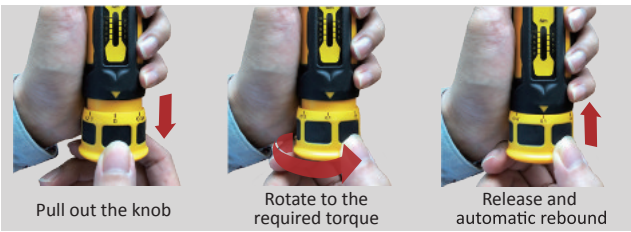
TT NO.	⬡ 4mm	in-lb	Graduation	L(mm)	g	case/ CTN
TW-274-23	⬡ 4mm	0.5-6	0.05	100	105	72

TT NO.	⬡ 6.35mm	in-lb	Graduation	L(mm)	g	case/ CTN
TW-264-23	⬡ 6.35mm	0.5-6	0.05	100	105	72

PROFESSIONAL TORQUE SCREWDRIVER (Hex & Square)

Features

- Tolerance of torque +/-6%.
- 6.35mm(1/4") square drive for socket; 6.35mm(1/4") hex drive for bit.
- Automatic-rebound knob design for easy torque adjustment.
- Easy-to-read window scale with anti-dust cover.
- Applied to both clockwise and counterclockwise directions.
- Double injection grip with anti-slip design and attractive shape.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



SPECIFICATIONS

TT NO.	■	Nm	Graduation	L(mm)	g	case/ CTN
TW-258-02	■	1-5	0.05	178	470	24
TW-258-03	■	2-10	0.1	178	470	24

TT NO.	■	in-lb	Graduation	L(mm)	g	case/ CTN
TW-258-22	■	10-50	0.5	178	470	24
TW-258-23	■	20-90	1	178	470	24

TT NO.	⬡	Nm	Graduation	L(mm)	g	case/ CTN
TW-268-02	⬡	1-5	0.05	178	470	24
TW-268-03	⬡	2-10	0.1	178	470	24

TT NO.	⬡	in-lb	Graduation	L(mm)	g	case/ CTN
TW-268-22	⬡	10-50	0.5	178	470	24
TW-268-23	⬡	20-90	1	178	470	24

INSULATED TORQUE SCREWDRIVER

Features

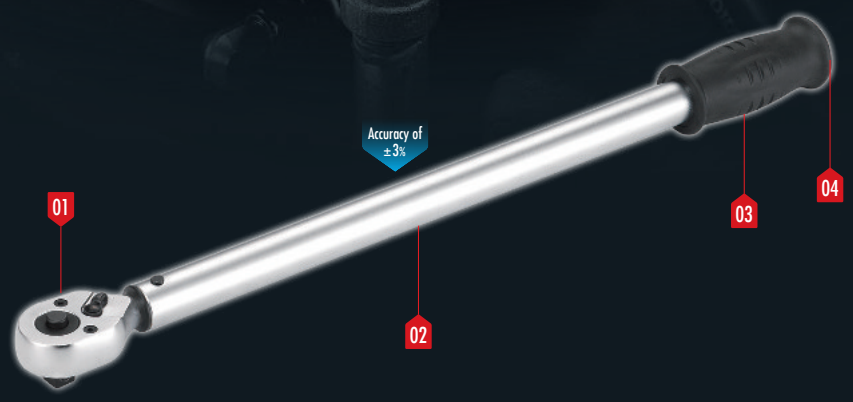
- Tolerance of torque ±6%.
- Ergonomic comfort rubber grip.
- Easy-to-read laser scale.
- 6.3mm (1/4") Hex drive for bit.
- Use up to 1000V AC/1500V DC.
- Quality meets EN 60900:2004.

SPECIFICATIONS

TT NO.	⬡	Nm	L(mm)	g	case/CTN
TW-260-31	⬡	0.5-4.5	215	440	24
TW-260-32	⬡	1-6	215	440	24

TT NO.	⬡	in-lb	L(mm)	g	case/CTN
TW-260-33	⬡	10-50	215	440	24

PRESET TORQUE WRENCH



01 Ratchet head:
A highly robust ratchet mechanism for CW and CCW directions application. Quick release design for changing socket quickly. Repair kit for inner spare parts of ratchet head is available.

02 Reliable mechanism:
The robust and resistant fully chromed steel tube is ideal of industrial use. An audible and palpable signal indicates automatically when the desire torque value is achieved.

03 TPR handle:
The injection method TPR handle with non-slip and comfort features. REACH - SVHC Declaration of Conformity.

04 End cap:
Poly on plastic End cap with standard or customized design.
To remove End cap then adjusting value at desire value, the torque tester is request.

PRESET TORQUE WRENCH

Features

- Tolerance of torque ±3%.
- Industrial application.
- The customization for the torque setting.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	Square drive	Teeth	Torque Range(Nm)	L(mm)	g	case/ CTN
TW-261- 01W	1/4"	24T	2-10	224	400	24
TW-261-02W			4-20	275	420	24
TW-261-03W			10-50	275	420	24
TW-261-08W			5-25	275	420	24
TW-361-01W	3/8"	32T	20-100	387	950	12
TW-361-02W			10-60	275	420	24
TW-361-03W		24T	2-10	224	400	24
TW-361-04W			4-20	275	420	24
TW-461-01W	1/2"	32T	40-200	433	1215	12
TW-461-02W			60-340	518	1450	12
TW-461-03W			20-100	387	950	12
TW-461-04W			80-400	518	1450	12
TW-661-01W	3/4"	24T	100-600	1050	4600	2
TW-661-02W			200-1000	1161	4852	2
TW-861-02W	1"	24T	200-1000	1161	4852	2
TW-861-03W			300-1500	1771	9242	2

INTERCHANGEABLE PRESET TORQUE WRENCH

Features

- Tolerance of torque ±3%.
- Industrial application.
- The customization for the torque setting.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	mm	Torque Range(Nm)	L(mm)	g	case/CTN
TW-732-01W	9x12	2-10	207	320	24
TW-732-02W		4-20	258	395	24
TW-732-03W		10-60	258	395	24
TW-732-08W		5-25	258	395	24
TW-733-01W		20-100	355	1000	12
TW-743-01W	14x18	20-100	378	1000	12
TW-744-01W		40-200	404	1250	12
TW-744-02W		60-340	490	1400	12
TW-746-01W		100-600	984	5000	2
TW-746-02W		200-1000	1055	5052	2

PRESET CLICK TORQUE WRENCH

Features

- Tolerance of torque ±3%.
- Industrial application.
- The customization for the torque setting.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

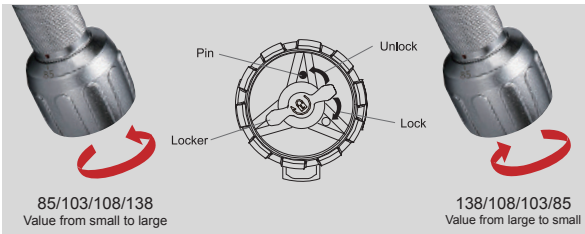
SPECIFICATIONS

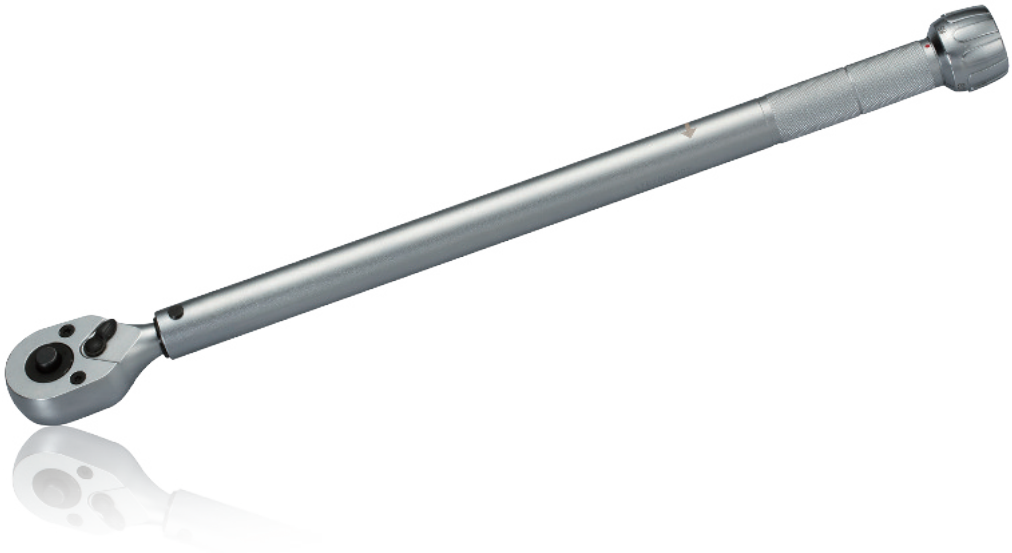
TT NO.	Square drive	Teeth	Nm	g	L(mm)	case/CTN
TW-221-1D	1/4"	24T	0.3-2	177	162	24
TW-221-2D			0.6-3	177	162	24
TW-221-3D			1~6	177	162	24
TW-221-4D			2-15	223	211	24
TW-221-5D			5-25	234	218	24
TW-321-3D	3/8"	24T	5-25	234	218	24
TW-321-4D			10-50	472	240	24
TW-321-5D			20-100	575	320	24
TW-421-1D	1/2"	24T	20-100	575	320	24
TW-421-2D			30-140	710	347	24
TW-421-3D			40-200	1307	470	24
TW-621-1D	3/4"	24T	40-280	1520	554	24
TW-621-2D			60-420	1667	609	24

MULTI-RANGE PRESET TORQUE WRENCH

Features

- Industrial application with durability.
- CW/CCW directions.
- Quick release button design.
- Torque value can be preset from 85, 103, 108 to 138Nm ; we offer the model with 2, 3 or 4 stage options.
- The knurled metal handle brings the non-slip profit.
- Easy torque setting with external scale and knob.
- Lock function is designed to get rid of the possible misuse.
- Tolerance of torque +/-3%.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.





SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	g	L(mm)	case/ CTN
TW-411-1D	1/2"	32T	103/138	1240	462	12
TW-411-2D			85/103/108	1240	462	12
TW-411-3D			85/103/108/138	1240	462	12

PRESET SLIPPING TORQUE WRENCH

Features

- Suitable to be applied to the production line and where a particular torque for repetitive operation is required.
- Industrial application.
- Unique continuous slipping mechanism eliminates the risk of over-tightening.
- Ergonomically shaped and convenient rubber handle grip.
- With 36T / 48T ratchet-function for controlled clockwise direction.
- The customization for the torque setting.
- Tolerance of torque +/-6%. (1~5Nm, 2~10Nm).
  Tolerance of torque +/-4%. (5~25Nm, 10~60Nm, 40~125Nm).
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	g	L(mm)	case/CTN
39211-01W	1/4"	36T	1-5	312	182	24
39211-02W			2-10	312	182	24
39311-02W	3/8"	36T	5-25	420	216	24
39311-03W		48T	10-60	-	-	-
39411-01W	1/2"	48T	40-125	-	-	-

MINI OPEN-END TORQUE WRENCH

Features

- CRV-open end series.
- Tolerance of torque ±6%.
- Unique design of head to prevent slipping of the nut while use.
- The customization for the torque setting.

SPECIFICATIONS

TT NO.	Size	Torque Range(Nm)	L(mm)	g	box/CTN
TW-118-07	7	1-3	126	90	100
TW-118-08	8	1-3	126	90	100
TW-118-09	9	1-3	126	90	100
TW-118-10	10	1-3	126	90	100
TW-118-12	12	1-3	126	90	100
TW-118-13	13	1-3	126	90	100
TW-118-14	14	1-3	126	90	100
TW-118-16	16	1-3	126	90	100
TW-118-17	17	1-3	126	90	100
TW-118-18	18	1-3	126	90	100
TW-118-19	19	1-3	126	90	100
TW-118-20	20	1-3	126	90	100

OPEN-END TORQUE WRENCH

Features

- CRV-open end series.
- Tolerance of torque ±4%.
- Unique design of head to prevent slipping of the nut while use.
- The customization for the torque setting.

SPECIFICATIONS

TT NO.	Size	Torque Range(Nm)	L(mm)	g	box/CTN
TW-115-07	7	3-18	179	310	60
TW-115-08	8	3-18	179	310	60
TW-115-09	9	3-18	179	310	60
TW-115-10	10	3-18	179	310	60
TW-115-12	12	3-18	189	322	60
TW-115-13	13	3-18	189	322	60
TW-115-14	14	3-18	189	322	60
TW-115-16	16	3-18	245	440	40
TW-115-17	17	3-18	245	440	40
TW-115-18	18	3-18	245	440	40
TW-115-19	19	12-100	247	450	40
TW-115-21	21	12-100	247	450	40
TW-115-22	22	12-100	258	510	40
TW-115-23	23	12-100	258	510	40
TW-115-24	24	12-100	258	510	40
TW-115-26	26	12-100	267	530	40
TW-115-27	27	15-120	314	605	25
TW-115-29	29	15-120	314	605	25
TW-115-30	30	15-120	314	605	25
TW-115-32	32	15-120	314	605	25
TW-115-34	34	15-120	324	643	25
TW-115-35	35	15-120	324	643	25
TW-115-36	36	15-120	323	630	25

L-PRESET TORQUE WRENCH SET

Features

- 1/2" Drive.
- Tolerance of torque ±4%.
- 105° angle in direction.
- Audible "Click" when torque reached.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

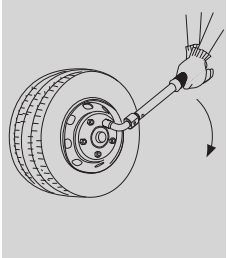
SPECIFICATIONS

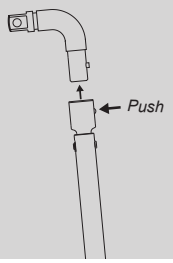
TT NO.	Square drive	ft-lb	Color	L(mm)	g	case/CTN
TW-484-06W	1/2"	60	black	428	824	12
TW-484-07W		70	yellow	428	824	12
TW-484-08W		80	gray	428	824	12
TW-484-20W		120	red	428	824	12
TW-484-40W		140	blue	428	824	12

TT NO.	Square drive	Nm	Color	L(mm)	g	case/CTN
TW-484-09W	1/2"	90	black	428	824	12
TW-484-10W		100	yellow	428	824	12
TW-484-11W		110	gray	428	824	12
TW-484-12W		120	red	428	824	12
TW-484-13W		130	blue	428	824	12

TT NO.	L-PRESET TORQUE WRENCH	Nm	Sockets (mm)	g	case/ CTN
685004409W	TW-484-09W	90	17, 19, 21	1373	12
685004410W	TW-484-10W	100	17, 19, 21	1373	12
685004411W	TW-484-11W	110	17, 19, 21	1373	12
685004412W	TW-484-12W	120	17, 19, 21	1373	12
685004413W	TW-484-13W	130	17, 19, 21	1373	12
68500541DW	TW-484-09, 10, 11, 12, 13	90, 100, 110, 120, 130	—	5144	4
68500841DW	TW-484-09, 10, 11, 12, 13	90, 100, 110, 120, 130	17, 19, 21	5388	4

L-INTERCHANGEABLE PRESET TORQUE WRENCH SET





Features

- 1/2"Drive
- Tolerance of torque +/-4%.
- 90° angle in direction.
- A Ø 14mm spigot end interchangeable preset torque wrench, applied with 5 sizes of L-lever, to achieve different torque values. It's not only for easy operation, but also for cost-effectiveness.
- The L-lever put on different color rings is easy for identifying the variety of torque values.
- Patented quick-release button design, which enable the user remove the L-lever easily.
- 17mm, 19mm, 21mm socket each is included for extensive use.
- Audible "click" occurred when the torque is reached.
- The set is adapted for tire change in automotive repair and serving industry.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

SPECIFICATIONS

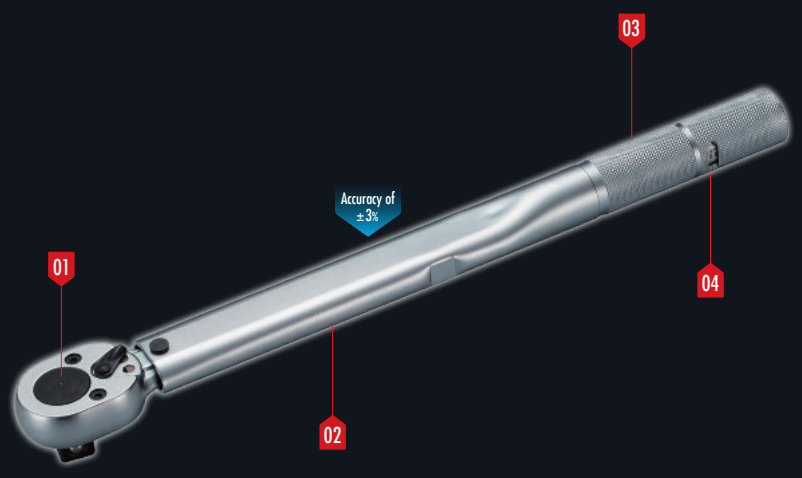
TT NO.	Square drive	ft-lb	Color	Sockets (inch)	g	case/ CTN
677009GW41E	1/2"	90	black	11/16,3/4,13/16	2650	6
		100	yellow			
		110	gray			
		120	red			
		130	blue			

TT NO.	Square drive	Nm	Color	Sockets (mm)	g	case/ CTN
677009GW41D	1/2"	90	black	17,19,21	2650	6
		100	yellow			
		110	gray			
		120	red			
		130	blue			

TT NO.	Square drive	ft-lb	Color	Sockets (inch)	g	case/ CTN
677009GW42E	1/2"	100	yellow	11/16,3/4,13/16	2870	6
		110	gray			
		120	red			
		130	blue			
		140	orange			

TT NO.	Square drive	Nm	Color	Sockets (mm)	g	case/ CTN
677009GW42D	1/2"	100	yellow	17,19,21	2870	6
		110	gray			
		120	red			
		130	blue			
		140	orange			

PRE-LOCK TORQUE WRENCH



01 Ratchet head:
A highly robust ratchet mechanism for CW direction application. Repair kit for inner spare parts of ratchet head is available.

02 Reliable mechanism:
The robust and resistant fully chromed steel tube is ideal of industrial use. Thin head and flat tube is suitable for narrow working environment. An audible and palpable signal indicates automatically when the desire torque value is achieved.

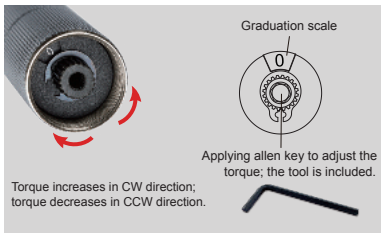
03 Knurled handle:
Non-slip knurled handle design.

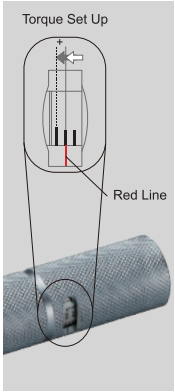
04 Adjustment system and window reading:
Torque value can be adjusted by allen key to prevent torque change by human error.
Both preset and adjustable functions are combined.

PRE-LOCK TORQUE WRENCH

Features

- Industrial application with durability.
- Both preset and adjustable functions are combined.
- Torque value can be adjusted by allen key to prevent torque change by human error.
- Flat metal tube mechanism with clear window scale-reading.
- Loud click sound and strong impulse when required torque is reached.
- Suitable for assembly and production line.
- Tolerance of torque +/-3%
- Quality meets DIN ISO 6879 & ASME B107.300-2010





SPECIFICATIONS

TT NO.	Square drive	Teeth	Nm	Graduation	g	L(mm)	case/ CTN
TW-216-3D	1/4"	24T	2-10	0.1	186	167	24
TW-216-4D			3-15	0.1	227	218	24
TW-216-5D			5-25	0.25	236	224	24
TW-316-4D	3/8"	24T	10-50	0.5	504	247	24
TW-316-5D			20-100	1	650	324	12
TW-416-1D	1/2"	24T	20-100	1	650	325	12
TW-416-2D			30-140	1	723	354	12
TW-416-3D			40-200	2	1323	475	12
TW-616-1D	3/4"	24T	40-280	2	1529	550	12
TW-616-2D			60-420	2	1677	605	12

PRESET
TORQUE SCREWDRIVER

01 Hex. drive:
6.3mm(1/4") Hex. drive for bit, Square drive for socket.
Tolerance of torque: accurancy +-6%.
The idea for industry use to meet long life cycle times.

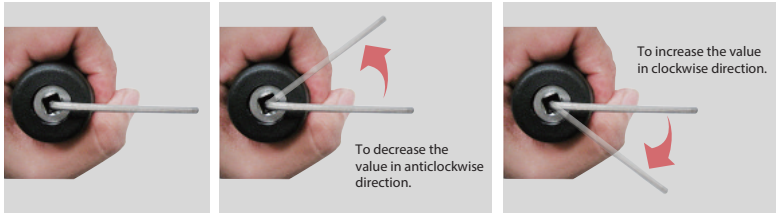
02 NBR handle:
The NBR grip material brings comfort and against dust & oil.
The ball bearing mechanism automatically slip to prevent over-tightening.

03 End Cap:
To remove the end cap then adjusting the torque value to desire value, the torque tester is request.

PRESET TOQRUE SCREWDRIVER

Features

- Tolerance of torque ±6%
- 6.3mm (1/4") Hex drive for bit.
- Ergonomic comfort rubber grip.
- The preset torque screwdriver is apply to the production line and where needs a particular torque for repetitive operation required.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



The torque tester is request

SPECIFICATIONS

TT NO.	⬡	Nm	L(mm)	g	case/CTN
TW-261-15	⬡	0.2-1.2	132	183	24
TW-261-16	⬡	1.0~1.8	132	183	24
TW-261-06	⬡	1-6	200	445	24
TW-263-06	⬡	1-6	142	340	24
TW-263-05	⬡	5-10	142	340	24

TT NO.	■	Nm	L(mm)	g	case/CTN
TW-251-15	■	0.2-1.2	132	183	24
TW-251-16	■	1.0-1.8	132	183	24
TW-251-06	■	1-6	200	445	24
TW-253-06	■	1-6	142	340	24
TW-253-05	■	5-10	142	340	24

TT NO.	⬡	in-lb	L(mm)	g	case/CTN
TW-261-21	⬡	1.8-14.1	132	183	24
TW-261-22	⬡	3-15	132	183	24
TW-261-23	⬡	10-50	200	445	24

TT NO.	■	in-lb	L(mm)	g	case/CTN
TW-251-21	■	1.8-14.1	132	183	24
TW-251-22	■	3-15	132	183	24
TW-251-23	■	10-50	200	445	24

ALUMINUM PRESET TORQUE SCREWDRIVER

Features

- Tolerance of torque +/-6%.
- 6.35mm(1/4") square drive for socket; 6.35mm(1/4") hex drive for bit.
- Aluminum knurled handle with anodizing finish.
- Cam-over design prevents the fastener from being over-torqued.
- CW/CCW bi-directional operation.
- The tool is applied to the production line and where a particular torque for repetitive operation is required.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.
- Additional steel bar can be selected for energy-saving purpose.

Optional steel bar

Triangle shape handle

SPECIFICATIONS

TT NO.	Square drive	Color	Nm	Graduation	L(mm)	g	case/ CTN
32257-01	■	orange	2-5	0.05	170	423	24
32257-02		blue	5.1-7.5	0.05	170	423	24

TT NO.	Square drive	Color	in-lb	Graduation	L(mm)	g	case/ CTN
32257-11	■	orange	20-44	0.05	170	423	24
32257-12		blue	45-65	0.05	170	423	24

TT NO.	Hex	Color	Nm	Graduation	L(mm)	g	case/ CTN
32267-01	⬡	orange	2-5	0.05	170	423	24
32267-02		blue	5.1-7.5	0.05	170	423	24

TT NO.	Hex	Color	in-lb	Graduation	L(mm)	g	case/ CTN
32267-11	⬡	orange	20-44	0.05	170	423	24
32267-12		blue	45-65	0.05	170	423	24

PRESET T-HANDLE TORQUE SCREWDRIVER

Features

- Tolerance of torque ±6%
- Rotary slip mechanism.
- Torque function protects from over tightening.
- For fastening torque in CW direction.

SPECIFICATIONS

TT NO.	■	Nm	L(mm)	g	CTN
TW-253-1A		0.4-1.5	72	100	120
TW-253-1B		1.5-3.5	72	100	120
TW-253-1C	1/4"	3.5-5	72	100	120
TW-253-2X		6-9	100	227	48
TW-253-2P		9-14	100	227	48

TT NO.	■	in-lb	L(mm)	g	CTN
TW-263-7A		3.5-13	72	100	120
TW-263-7B		13-30	72	100	120
TW-263-7C	1/4"	30-45	72	100	120
TW-263-8X		53-80	100	227	48
TW-263-8P		80-124	100	227	48

SPECIFICATIONS

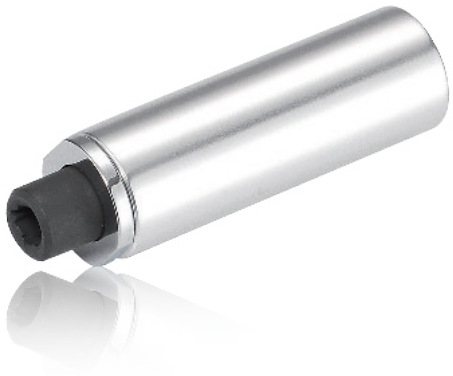
TT NO.	⬡	Nm	L(mm)	g	CTN
TW-263-1A		0.4-1.5	72	100	120
TW-263-1B		1.5-3.5	72	100	120
TW-263-1C	1/4"	3.5-5	72	100	120
TW-263-2X		6-9	100	227	48
TW-263-2P		9-14	100	227	48

TT NO.	⬡	in-lb	L(mm)	g	CTN
TW-263-7A		3.5-13	72	100	120
TW-263-7B		13-30	72	100	120
TW-263-7C	1/4"	30-45	72	100	120
TW-263-8X		53-80	100	227	48
TW-263-8P		80-124	100	227	48

PRESET TORQUE LIMITER

Features

- Tolerance of torque ±6%
- Rotary clutch mechanism when desired torque reached.
- For fastening torque in CW/CCW directions.
- Light-Weight easy to use.
- The customization for the torque setting.
- For low torque applications i.e. motorcycles or bicycle production lines.



SPECIFICATIONS

TT NO.	INPUT □	OUTPUT ⬡	Nm	L(mm)	g	CTN
TW-111-01	3/8"	1/4"	0.7-5	75	91	240
TW-111-02			5.1-9	75	91	240
TW-111-04			0.1-0.6	75	91	240

TT NO.	INPUT □	OUTPUT ⬡	in-lb	L(mm)	g	CTN
TW-111-21	3/8"	1/4"	6.1-45	75	91	240
TW-111-22			45.1-85	75	91	240
TW-111-24			1-6	75	91	240

TT NO.	INPUT □	OUTPUT ⬡	Nm	L(mm)	g	CTN
TW-112-01	1/4"	1/4"	0.7-5	75	91	240
TW-112-02			5.1-9	75	91	240
TW-112-04			0.1-0.6	75	91	240

TT NO.	INPUT □	OUTPUT ⬡	in-lb	L(mm)	g	CTN
TW-112-21	1/4"	1/4"	6.1-45	75	91	240
TW-112-22			45.1-85	75	91	240
TW-112-24			1-6	75	91	240

TT NO.	INPUT □	OUTPUT ■	Nm	L(mm)	g	CTN
TW-113-01	3/8"	3/8"	0.7-5	75	91	240
TW-113-02			5.1-9	75	91	240
TW-113-04			0.1-0.6	75	91	240

TT NO.	INPUT □	OUTPUT ■	in-lb	L(mm)	g	CTN
TW-113-21	3/8"	3/8"	6.1-45	75	91	240
TW-113-22			45.1-85	75	91	240
TW-113-24			1-6	75	91	240

TORQUE VALVE SCREWDRIVER

Features

- Tolerance of torque ±6%
- Rotary slip mechanism.
- Torque function protects from over tightening valves.
- Fits standard tyre valves-car, motorcycle, truck, transporter, tractor.

SPECIFICATIONS

TT NO.	Nm	L(mm)	g	blister card/CTN
TW-240-01	0.4	155	41	100

TT NO.	in-lb	L(mm)	g	blister card/CTN
TW-240-21	2.5	155	41	100
TW-240-22	4	155	41	100

ROTARY ANGLE GAUGE

Features

- 360° scale clearly marked in 2° increment.
- Indicator etched on clear plate, protects angle scale from dirt and grease.
- For angle indicate to use with torque wrench or ratchet.

SPECIFICATIONS

TT NO.	Square drive	g	blister card/CTN
TW-414	1/2"x1/2"	159	100

Features

- Robust aluminum alloy scale plate.
- Two lengths arm with flexibility to fix working surface.

SPECIFICATIONS

TT NO.	Square drive	g	blister card/CTN
TW-414S	1/2"x1/2"	360	50
TW-616	3/4"x3/4"	621	25

Features

- Flexible arm.
- Strong magnet.

SPECIFICATIONS

TT NO.	Square drive	g	blister card/CTN
TW-414M	1/2"x1/2"	255	50

DOUBLE SIZE RATCHET WRENCH

Features

- Function as ratchet and socket.
- Two sizes on both sides.
- Each side with different size socket.
- 32 teeth.

SPECIFICATIONS

TT NO.	SIZE	L(mm)	g	box/CNT
RD1012	10x12	241	214	120
RD1013	10x13	241	214	120
RD1014	10x14	241	214	120
RD1113	11x13	241	214	120
RD1214	12x14	241	214	120
RD1317	13x17	280	285	80
RD1415	14x15	280	285	80
RD1417	14x17	280	285	80
RD1618	16x18	320	500	50
RD1719	17x19	320	500	50
RD1721	17x21	320	500	50
RD1722	17x22	320	500	50
RD1921	19x21	320	500	50
RD1922	19x22	320	500	50
RD1923	19x23	365	840	30
RD1924	19x24	365	840	30
RD2123	21x23	365	840	30
RD2126	21x26	365	820	30

TT NO.	SIZE	L(mm)	g	box/CNT
RD2127	21x27	365	840	30
RD2224	22x24	365	820	30
RD2227	22x27	365	820	30
RD2326	23x26	365	820	30
RD2427	24x27	365	840	30
RD2430	24x30	402	1120	20
RD2629	26x29	402	1120	20
RD2632	26x32	402	1120	20
RD2730	27x30	402	1120	20
RD2732	27x32	402	1120	20
RD3032	30x32	402	1120	20
RD3236	32x36	450	1460	20
RD3541	35x41	450	1460	20
RD3638	36x38	450	1460	20
RD3641	36x41	450	1500	20
RD3841	38x41	450	1500	20

TQC SUPER TORQUE TESTER

Features

- Specialized torque testing equipment designed for the variety of mechanical torque wrenches.
- Simple, accurate and cost-effective torque tester for performing calibration checks in house.
- High speed of data reading performance(2400 run/sec.)
- RC-232 communication port is included for the output of reading to PC.
- There are six torque units available for application (Lb-ft, Lb-in, N-m, N-cm, kg-m, kg-cm).
- As standard, all transducers are calibrated in a clockwise direction with a traceable calibration certificate.
- Quality meets BS7882:1997 standard with the accuracy of +/- 0.5% of reading over the 20%~100% of full scale.
- With three operating modes: “Track” displays the live value, ”Peak” records the highest value and “First Peak” records the first peak of torque.
- Under “Frist Peak” mode, the “light signal” and “Buzzer” indicate the testing completion and testing return to zero.
- Memory function can display the 4 previous readings taken by the operator. It’s on need to stop and after each reading.

SPECIFICATIONS

Model	TW-7718-60	TW-7718-400	TW-7718-1500
Calibration Range (N-m)	2-60Nm	8-400Nm	100-1500Nm
Accuracy	±0.5%	±0.5%	±0.5%
Units of Measurement	lb-in,lb-ft,kg-m,kg-cm,N-m,N-cm	lb-in,lb-ft,kg-m,kg-cm,N-m,N-cm	lb-in,lb-ft,kg-m,kg-cm,N-m,N-cm
System Resolution (N-m)	0.001	0.01	0.1
Input Hex A/F (mm)	10mm	22mm	36mm
Square Drive Adaptor (inch)	1/4,3/8,1/2	3/8,1/2,3/4	3/4
Operating Temperature Range	+5°C ~ +40°C	+5°C ~ +40°C	+5°C ~ +40°C
Storage Temperature Range	+0°C ~ +70°C	+0°C ~ +70°C	+0°C ~ +70°C
Power Cable	200mm	200mm	200mm
Power Consumption (watt)	5	5	5
Ac Power Input	DC9.0V⎓1.66A, 15W MAX	DC9.0V⎓1.66A, 15W MAX	DC9.0V⎓1.66A, 15W MAX
Base Materials / Finish	Iron Alloy / Painting	Iron Alloy / Painting	Iron Alloy / Painting
Dimensions (L*W*H)	210mm*150mm*140mm	210mm*150mm*140mm	210mm*150mm*140mm
Weight	7.7kg	8.1kg	8.9kg

PROFESSIONAL TORQUE TESTER

Maintenance

- Please switch off the power and remove the plug when no using.
- Keep away from the humid environment.
- In order to prevent from the electronic accessories damage or deface the surface, please do not using the water, alcohol and acetone to clean the torque tester.

Features

- Under a constant speed to test the torque wrench in accordance with DIN ISO 6789 & ASME B107. 300-2010 requirements.
- Metrological accuracy ensuring reliability of test results.
- Easy to operate of torque.
- Keeping the torque wrench/torque tester horizontally to remain within the tolerances specified by the standard.

SPECIFICATIONS

Model	TW-7223	TW-7234	TW-7268
Calibration range	3~30 N-m	40~400 N-m	100~1000 N-m
Display	5 effective digits max.	5 effective digits max.	5 effective digits max.
Accuracy	±1%	±1%	±1%
Units of measurement	Lb-in, Lb-ft, Kg-cm, N-m	Lb-in, Lb-ft, Kg-cm, N-m	Lb-in, Lb-ft, Kg-cm, N-m
Operating temperature Range	+5°C ~ +40°C	+5°C ~ +40°C	+5°C ~ +40°C
Storage temperatuer range	+0°C ~ +50°C	+0°C ~ +50°C	+0°C ~ +50°C
Max. operating humiaity	25 ~ 85% RH	25 ~ 85% RH	25 ~ 85% RH
Power Supply	90 ~ 260 Volt a.c. at 50-60 Hz input	90 ~ 260 Volt a.c. at 50-60 Hz input	90 ~ 260 Volt a.c. at 50-60 Hz input
Power consumption	Less than 1.5 Watt	Less than 1.5 Watt	Less than 1.5 Watt
Power cable	1800mm	1800mm	1800mm
Base materials/ Finish	Aluminum Alloy/ Anodization	Aluminum Alloy/ Anodization	Steel/ Painted
Dimensions (LxWxH)	570mm x 300mm x 450mm	820mm x 435mm x 320mm	1350mm x 700mm x 450mm
Weight	13.12Kg	36.3Kg	80Kg

DISMOUNTING TOOLS SET (10 pcs)

Features

- T1 130mm telescopic magnetic pick-up tools x 1pc
- T2 3/8"dr. 6 points, size:13mm socket x 1pc
- T3 3/8"dr. 6 points, size:17mm socket x 1pc
- T4 3/8"dr. T-shaped wrench, mat finished, L:90/l:90mm x1pc
- T5 6" circlip plier x1pc
- T6 3mm hexagon head bit, sand-blasted (S2), L:25mm x1pc
- T7 6mm non magnetic nut setter, sand-blasted (CRV) x1pc
- T8 1/4" nut screwdriver x1pc
- T9 1/4" hexagon head, ø27 dismounting tool of end cap,(S45) x1pc
- T10 1/4" hexagon head, ø32 dismounting tool of end cap,(S45) x1pc

OPERATION (please against the explosion chart.)	
T1	for the locking washer
T2+T4 & T3+T4	for the hex nut
T5	for the snap ring
T8+T6 & T8+T7	for the adjustment shaft
T8+T9 & T8+T10	for the end cap

NOTE

INNOVATION SURPASSES THE LIMIT

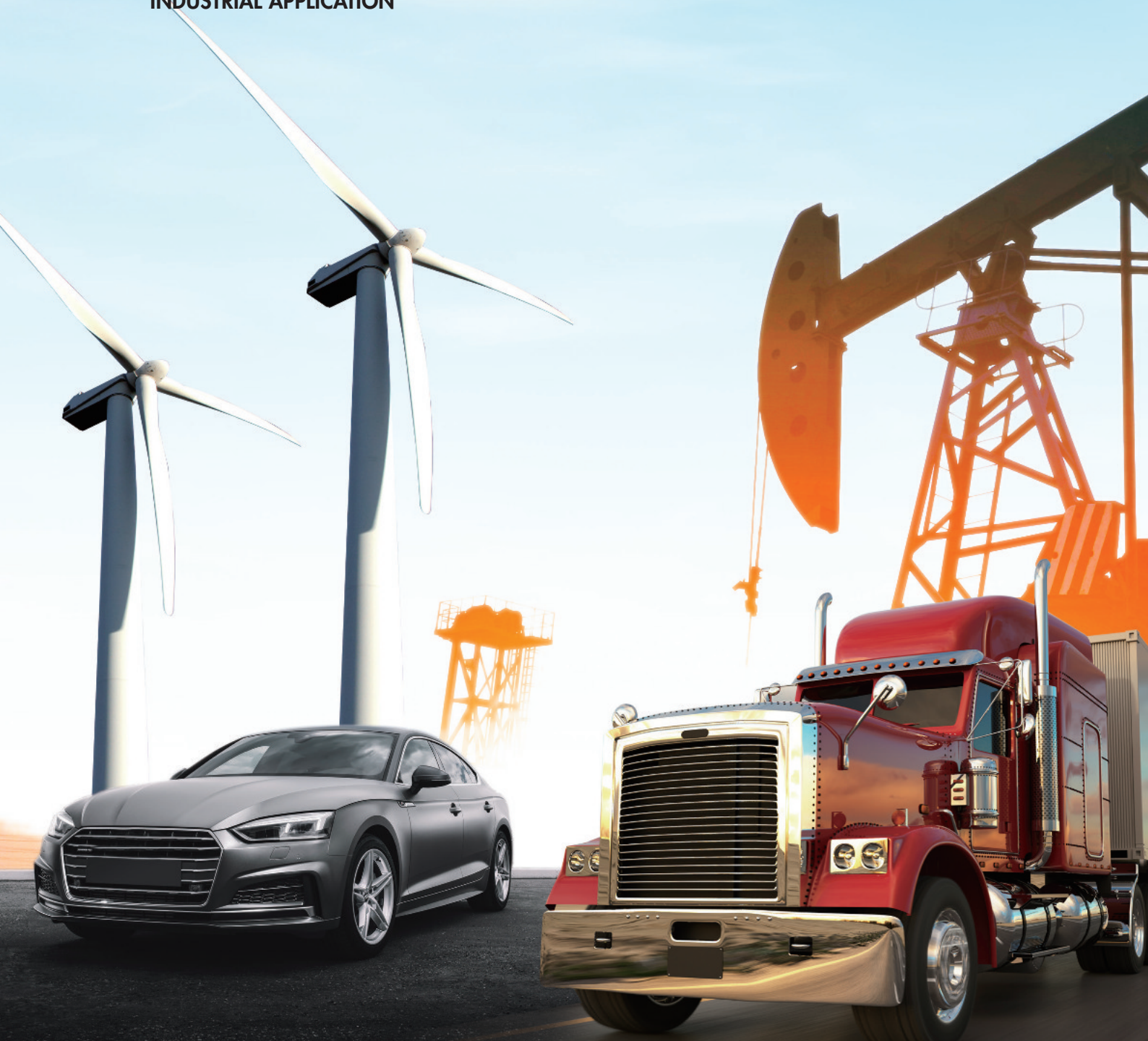
Achieve to be the professional world-class
torque wrench provider

LIGHT VEHICLES

AEROSPACE

COMMERCIAL VEHICLES

OFF-HIGHWAY

ENERGY

INDUSTRIAL APPLICATION